DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : ENTACT

Project Location : Westmont, IL

Project Number : E9110 - North Point

Laboratory Sample ID(s) : P4103

Sampling Date(s) : 9/17/2024

List DKQP Methods Used (e.g., 8260,8270, et Cetra)

1030,1311,1311 ZHE, 160.4, 1664A, 6010D, 7196A, 7470A, 7471B, 8015D, 8081B, 8082A,8151A,8260D,8270E,9012B,9034,9045D,9095B,ASTM,NJEPH, SM2540 B,SM4500-NH3,SM5220 D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☐ Yes ☑ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : P4103

Project ID : North Point

Client : ENTACT

Lab Sample Number	Client Sample Number
P4103-01	WC-22A
P4103-02	WC-22A
P4103-03	WC-22A
P4103-04	WC-14-5-7.5A
P4103-05	WC-14-5-7.5A
P4103-06	WC-14-5-7.5A
P4103-07	WC-14-5-7.5B
P4103-08	WC-14-5-7.5B
P4103-09	WC-14-5-7.5B
P4103-10	WC-14-7.5-10A
P4103-11	WC-14-7.5-10A
P4103-12	WC-14-7.5-10A
P4103-13	WC-14-7.5-10B
P4103-14	WC-14-7.5-10B
P4103-15	WC-14-7.5-10B
P4103-16	WC-23
P4103-17	WC-23
P4103-18	WC-23

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 10/2/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4103**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **SOHIL JODHANI** **Date:** **10/02/2024**

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LAB CHRONICLE

OrderID:	P4103	**OrderDate:**	9/18/2024 3:16:00 PM
Client:	ENTACT	**Project:**	North Point
Contact:	Wyatt Seel	**Location:**	J11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4103-01	**WC-22A**	**SOIL**			**09/17/24**			**09/18/24**
			VOC-TCLVOA-10	8260D			09/20/24	
P4103-02	**WC-22A**	**TCLP**			**09/17/24**			**09/18/24**
			TCLP VOA Group1	8260D			09/21/24	
P4103-04	**WC-14-5-7.5A**	**SOIL**			**09/17/24**			**09/18/24**
			VOC-TCLVOA-10	8260D			09/23/24	
P4103-05	**WC-14-5-7.5A**	**TCLP**			**09/17/24**			**09/18/24**
			TCLP VOA Group1	8260D			09/21/24	
P4103-07	**WC-14-5-7.5B**	**SOIL**			**09/17/24**			**09/18/24**
			VOC-TCLVOA-10	8260D			09/20/24	
P4103-07ME	**WC-14-5-7.5BME**	**SOIL**			**09/17/24**			**09/18/24**
			VOC-TCLVOA-10	8260D			09/24/24	
P4103-08	**WC-14-5-7.5B**	**TCLP**			**09/17/24**			**09/18/24**
			TCLP VOA Group1	8260D			09/21/24	
P4103-10	**WC-14-7.5-10A**	**SOIL**			**09/17/24**			**09/18/24**
			VOC-TCLVOA-10	8260D			09/23/24	
P4103-11	**WC-14-7.5-10A**	**TCLP**			**09/17/24**			**09/18/24**
			TCLP VOA Group1	8260D			09/21/24	
P4103-13	**WC-14-7.5-10B**	**SOIL**			**09/17/24**			**09/18/24**
			VOC-TCLVOA-10	8260D			09/23/24	

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LAB CHRONICLE

P4103-14	**WC-14-7.5-10B**	**TCLP**			**09/17/24**		**09/18/24**
			TCLP VOA Group1	8260D		09/21/24	
P4103-16	**WC-23**	**SOIL**			**09/17/24**		**09/18/24**
			VOC-TCLVOA-10	8260D		09/20/24	
P4103-16ME	**WC-23ME**	**SOIL**			**09/17/24**		**09/18/24**
			VOC-TCLVOA-10	8260D		09/24/24	
P4103-17	**WC-23**	**TCLP**			**09/17/24**		**09/18/24**
			TCLP VOA Group1	8260D		09/21/24	

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Hit Summary Sheet
SW-846

SDG No.: P4103

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WC-14-5-7.5A**							
P4103-05	WC-14-5-7.5A	TCLP	2-Butanone	6.50	J	1.30	25.0	ug/L
			Total Voc :	6.50				
			Total Concentration:	6.50				
Client ID:	**WC-14-5-7.5B**							
P4103-08	WC-14-5-7.5B	TCLP	2-Butanone	13.0	J	1.30	25.0	ug/L
P4103-08	WC-14-5-7.5B	TCLP	Benzene	1.40	J	0.16	5.00	ug/L
P4103-08	WC-14-5-7.5B	TCLP	Toluene	68.1		0.18	5.00	ug/L
P4103-08	WC-14-5-7.5B	TCLP	Ethyl Benzene	71.0		0.16	5.00	ug/L
P4103-08	WC-14-5-7.5B	TCLP	Total Xylenes	380		0.45	15.0	ug/L
			Total Voc :	534				
			Total Concentration:	534				
Client ID:	**WC-14-7.5-10A**							
P4103-11	WC-14-7.5-10A	TCLP	2-Butanone	18.5	J	1.30	25.0	ug/L
P4103-11	WC-14-7.5-10A	TCLP	Toluene	2.50	J	0.18	5.00	ug/L
P4103-11	WC-14-7.5-10A	TCLP	Total Xylenes	1.50	J	0.45	15.0	ug/L
			Total Voc :	22.5				
			Total Concentration:	22.5				
Client ID:	**WC-14-7.5-10B**							
P4103-14	WC-14-7.5-10B	TCLP	2-Butanone	10.3	J	1.30	25.0	ug/L
P4103-14	WC-14-7.5-10B	TCLP	Toluene	2.10	J	0.18	5.00	ug/L
			Total Voc :	12.4				
			Total Concentration:	12.4				
Client ID:	**WC-23**							
P4103-17	WC-23	TCLP	2-Butanone	7.10	J	1.30	25.0	ug/L
P4103-17	WC-23	TCLP	Ethyl Benzene	7.20		0.16	5.00	ug/L
P4103-17	WC-23	TCLP	Total Xylenes	19.6		0.45	15.0	ug/L
			Total Voc :	33.9				
			Total Concentration:	33.9				

QC SUMMARY

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Surrogate Summary

SDG No.: P4103

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4103-02	WC-22A	1,2-Dichloroethane-d4	50	51.2	102	70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101	70 (75)	130 (124)
		Toluene-d8	50	55.3	111	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.2	92	70 (77)	130 (121)
P4103-05	WC-14-5-7.5A	1,2-Dichloroethane-d4	50	53.1	106	70 (74)	130 (125)
		Dibromofluoromethane	50	49.3	99	70 (75)	130 (124)
		Toluene-d8	50	54.9	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94	70 (77)	130 (121)
P4103-08	WC-14-5-7.5B	1,2-Dichloroethane-d4	50	52.9	106	70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101	70 (75)	130 (124)
		Toluene-d8	50	55.2	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.3	101	70 (77)	130 (121)
P4103-11	WC-14-7.5-10A	1,2-Dichloroethane-d4	50	50.1	100	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	55.2	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.1	96	70 (77)	130 (121)
P4103-14	WC-14-7.5-10B	1,2-Dichloroethane-d4	50	50.3	101	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	55.2	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.4	97	70 (77)	130 (121)
P4103-17	WC-23	1,2-Dichloroethane-d4	50	50.3	101	70 (74)	130 (125)
		Dibromofluoromethane	50	49.7	99	70 (75)	130 (124)
		Toluene-d8	50	55.0	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.1	96	70 (77)	130 (121)
VN0920WBL03	VN0920WBL03	1,2-Dichloroethane-d4	50	52.4	105	70 (74)	130 (125)
		Dibromofluoromethane	50	51.4	103	70 (75)	130 (124)
		Toluene-d8	50	54.9	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.3	91	70 (77)	130 (121)
VN0920WBS02	VN0920WBS02	1,2-Dichloroethane-d4	50	51.2	102	70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.0	92	70 (77)	130 (121)
VN0920WBSD0	VN0920WBSD02	1,2-Dichloroethane-d4	50	53.8	108	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	51.6	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4103

Client: ENTACT

Analytical Method: SW8260D **Datafile :** VN084082.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0920WBS02	Vinyl chloride	20	17.4	ug/L	87			70 (65)	130 (117)	
	1,1-Dichloroethane	20	19.9	ug/L	100			70 (78)	130 (112)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.4	ug/L	97			70 (77)	130 (113)	
	Chloroform	20	19.8	ug/L	99			70 (79)	130 (113)	
	Benzene	20	19.0	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.0	ug/L	100			70 (80)	130 (115)	
	Trichloroethene	20	18.6	ug/L	93			70 (77)	130 (113)	
	Toluene	20	19.1	ug/L	96			70 (82)	130 (110)	
	Tetrachloroethene	20	19.1	ug/L	96			70 (67)	130 (123)	
	Chlorobenzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.3	ug/L	92			70 (83)	130 (109)	
	m/p-Xylenes	40	36.7	ug/L	92			70 (82)	130 (110)	
	o-Xylene	20	18.6	ug/L	93			70 (83)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4103

Client: ENTACT

Analytical Method: SW8260D **Datafile :** VN084083.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0920WBSD02	Vinyl chloride	20	18.7	ug/L	94	8		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethane	20	20.5	ug/L	103	3		70 (78)	130 (112)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.7	ug/L	99	2		70 (77)	130 (113)	20 (20)
	Chloroform	20	21.2	ug/L	106	7		70 (79)	130 (113)	20 (20)
	Benzene	20	19.7	ug/L	99	4		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.4	ug/L	102	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.9	ug/L	100	7		70 (77)	130 (113)	20 (20)
	Toluene	20	19.9	ug/L	100	4		70 (82)	130 (110)	20 (20)
	Tetrachloroethene	20	19.8	ug/L	99	3		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.3	ug/L	97	4		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.1	ug/L	96	4		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	38.7	ug/L	97	5		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.3	ug/L	97	4		70 (83)	130 (109)	20 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0920WBL03

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Lab File ID: VN084081.D Lab Sample ID: VN0920WBL03

Date Analyzed: 09/21/2024 Time Analyzed: 01:23

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0920WBS02	VN0920WBS02	VN084082.D	09/21/2024
VN0920WBSD02	VN0920WBSD02	VN084083.D	09/21/2024
WC-22A	P4103-02	VN084085.D	09/21/2024
WC-14-5-7.5A	P4103-05	VN084086.D	09/21/2024
WC-14-5-7.5B	P4103-08	VN084087.D	09/21/2024
WC-14-7.5-10A	P4103-11	VN084088.D	09/21/2024
WC-14-7.5-10B	P4103-14	VN084089.D	09/21/2024
WC-23	P4103-17	VN084090.D	09/21/2024

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Lab File ID: VN083741.D BFB Injection Date: 09/10/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:02

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.9
75	30.0 - 60.0% of mass 95	56.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	71.3
175	5.0 - 9.0% of mass 174	5.5 (7.7) 1
176	95.0 - 101.0% of mass 174	68.5 (96.1) 1
177	5.0 - 9.0% of mass 176	4.6 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN083742.D	09/10/2024	09:08
VSTDICCC050	VSTDICCC050	VN083743.D	09/10/2024	09:32
VSTDICC010	VSTDICC010	VN083745.D	09/10/2024	10:20
VSTDICC005	VSTDICC005	VN083746.D	09/10/2024	10:44
VSTDICC001	VSTDICC001	VN083747.D	09/10/2024	11:32
VSTDICC020	VSTDICC020	VN083749.D	09/10/2024	12:43

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Lab File ID: VN084079.D BFB Injection Date: 09/20/2024

Instrument ID: MSVOA_N BFB Injection Time: 23:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	57.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	5.8 (8.2) 1
176	95.0 - 101.0% of mass 174	68 (96) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084080.D	09/21/2024	00:20
VN0920WBL03	VN0920WBL03	VN084081.D	09/21/2024	01:23
VN0920WBS02	VN0920WBS02	VN084082.D	09/21/2024	01:47
VN0920WBSD02	VN0920WBSD02	VN084083.D	09/21/2024	02:11
WC-22A	P4103-02	VN084085.D	09/21/2024	02:59
WC-14-5-7.5A	P4103-05	VN084086.D	09/21/2024	03:23
WC-14-5-7.5B	P4103-08	VN084087.D	09/21/2024	03:47
WC-14-7.5-10A	P4103-11	VN084088.D	09/21/2024	04:11
WC-14-7.5-10B	P4103-14	VN084089.D	09/21/2024	04:35
WC-23	P4103-17	VN084090.D	09/21/2024	04:59

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Lab File ID: VN084080.D Date Analyzed: 09/21/2024

Instrument ID: MSVOA_N Time Analyzed: 00:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	133311	8.22	238373	9.10	213848	11.87
UPPER LIMIT	266622	8.724	476746	9.6	427696	12.365
LOWER LIMIT	66655.5	7.724	119187	8.6	106924	11.365
EPA SAMPLE NO.						
WC-22A	157983	8.22	276231	9.10	241651	11.87
WC-14-5-7.5A	151431	8.22	267439	9.10	232883	11.87
WC-14-5-7.5B	149058	8.22	264749	9.10	231059	11.87
WC-14-7.5-10A	166887	8.23	286118	9.10	245222	11.87
WC-14-7.5-10B	165247	8.22	284466	9.10	248483	11.87
WC-23	168102	8.22	292104	9.10	251060	11.87
VN0920WBL03	152902	8.22	262064	9.10	223618	11.87
VN0920WBS02	135246	8.22	237895	9.10	210458	11.87
VN0920WBSD02	135387	8.22	241309	9.10	213857	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Lab File ID: VN084080.D Date Analyzed: 09/21/2024

Instrument ID: MSVOA_N Time Analyzed: 00:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	108072	13.794				
UPPER LIMIT	216144	14.294				
LOWER LIMIT	54036	13.294				
EPA SAMPLE NO.						
WC-22A	94833	13.79				
WC-14-5-7.5A	96079	13.79				
WC-14-5-7.5B	104000	13.79				
WC-14-7.5-10A	106447	13.79				
WC-14-7.5-10B	108316	13.79				
WC-23	107540	13.79				
VN0920WBL03	93481	13.79				
VN0920WBS02	99296	13.79				
VN0920WBSD02	99263	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VN084085.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-22A	SDG No.:	P4103
Lab Sample ID:	P4103-02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084085.D	1		09/21/24 02:59	VN092024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	5.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	15.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	55.3		70 (86) - 130 (113)	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	8.224			
540-36-3	1,4-Difluorobenzene	276000	9.1			
3114-55-4	Chlorobenzene-d5	242000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	94800	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084085.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084085.D
Acq On : 21 Sep 2024 02:59
Operator : JC\MD
Sample : P4103-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 21 03:54:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-22A

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122054	51.237	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.480%			
35) Dibromofluoromethane	8.165	113	88946	50.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.600%			
50) Toluene-d8	10.565	98	338075	55.300	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.600%			
62) 4-Bromofluorobenzene	12.847	95	116432	46.162	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.320%			
Target Compounds						Qvalue
16) Acetone	4.430	43	49221	51.543	ug/l	97
20) Methylene Chloride	5.265	84	3932	2.012	ug/l #	88
43) Isopropyl Acetate	8.688	43	110441m	25.225	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084085.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084085.D
Acq On : 21 Sep 2024 02:59
Operator : JC\MD
Sample : P4103-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 21 03:54:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-22A

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
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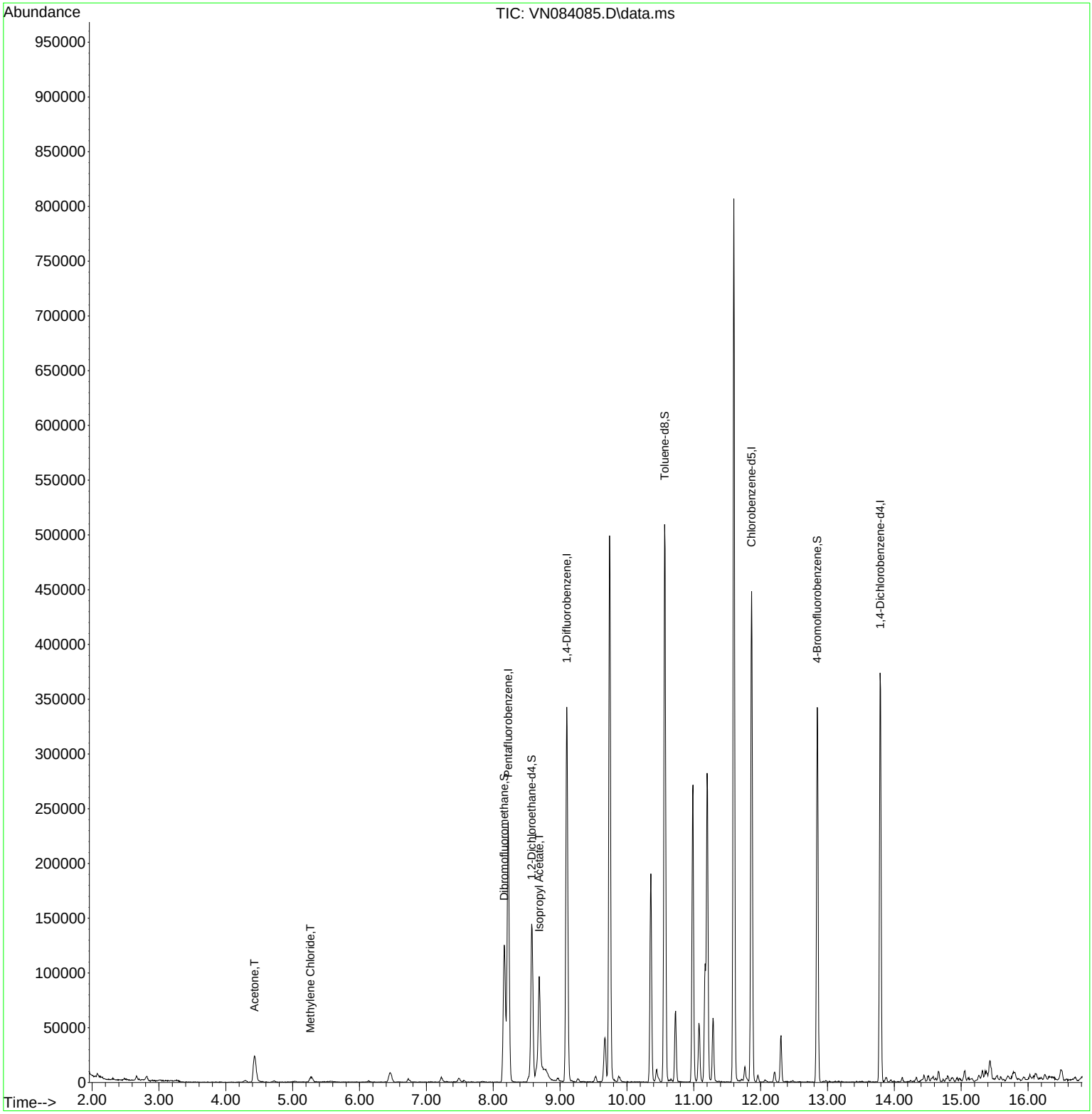
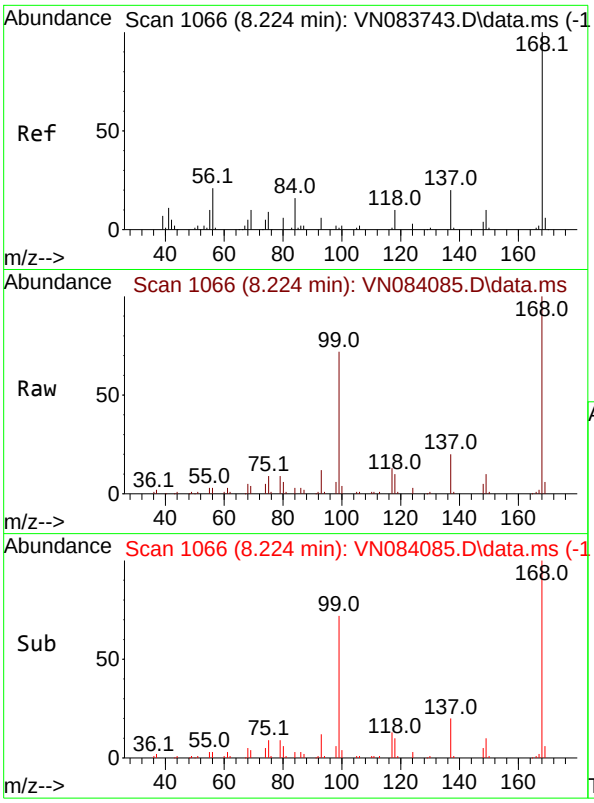
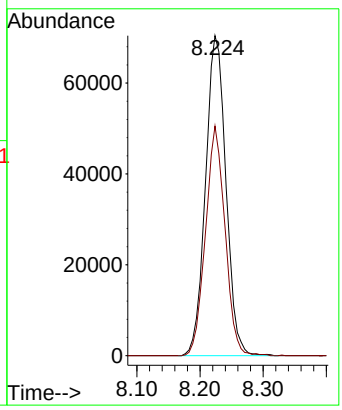




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion:168 Resp: 15798

Ion	Ratio	Lower	Upper
168	100		
99	71.8	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
WC-22A

Manual Integrations
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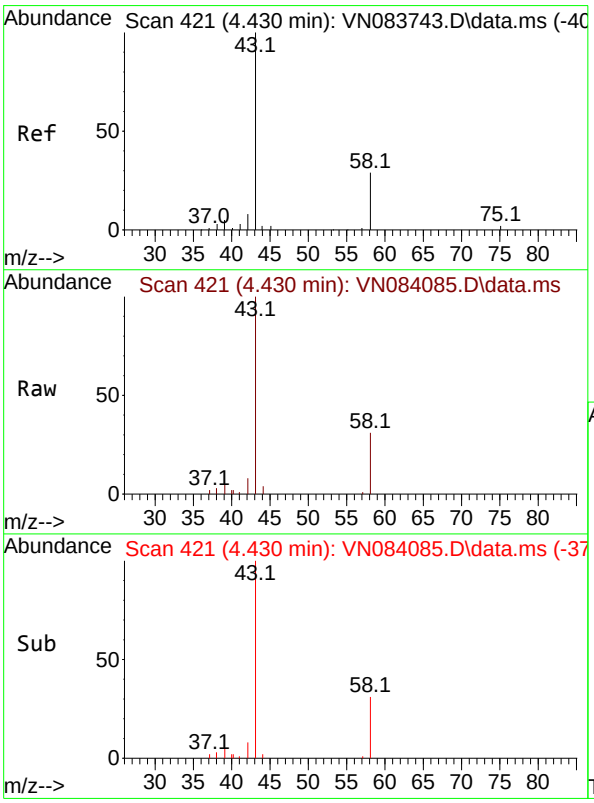
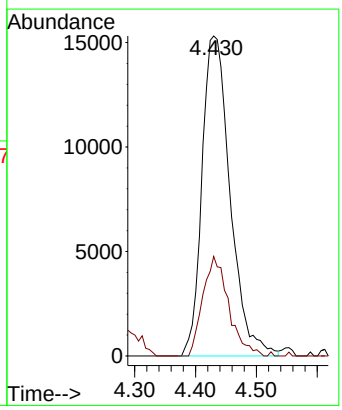
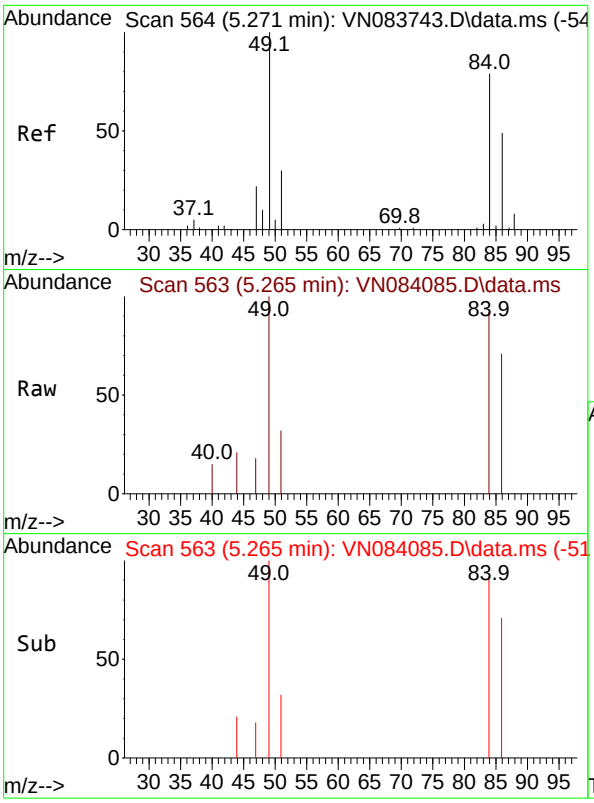


#16
Acetone
Concen: 51.543 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion: 43 Resp: 49221

Ion	Ratio	Lower	Upper
43	100		
58	31.1	23.7	35.5

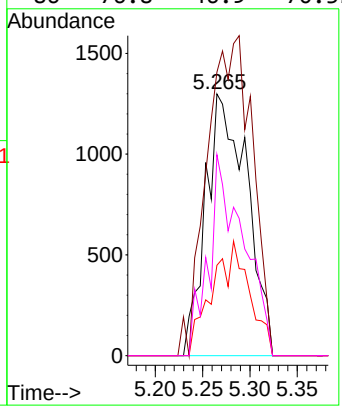




#20
Methylene Chloride
Concen: 2.012 ug/l
RT: 5.265 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion: 84 Resp: 393

Ion	Ratio	Lower	Upper
84	100		
49	108.3	93.4	140.0
51	34.5	29.2	43.8
86	76.8	46.9	70.3#



Instrument :
MSVOA_N
ClientSampleId :
WC-22A

Manual Integrations
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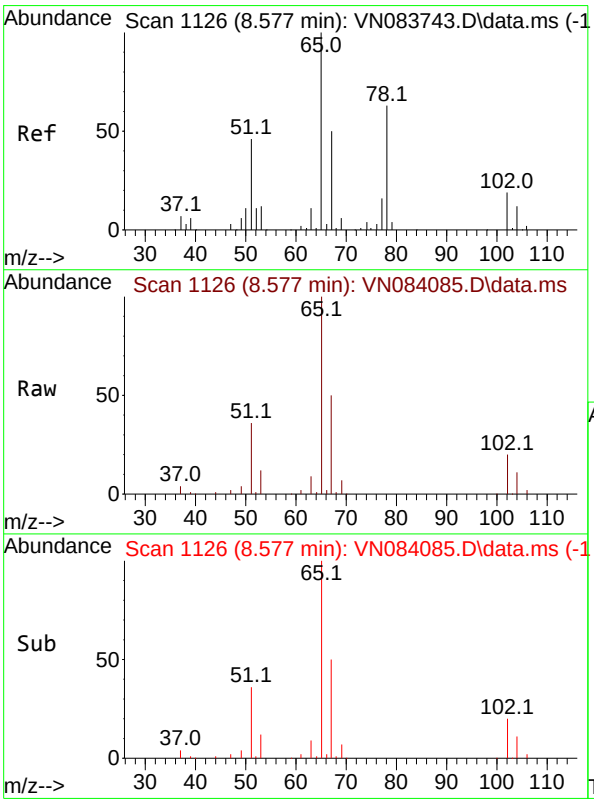
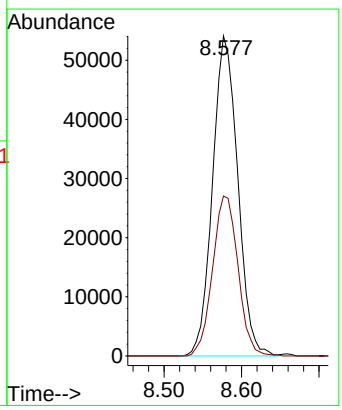
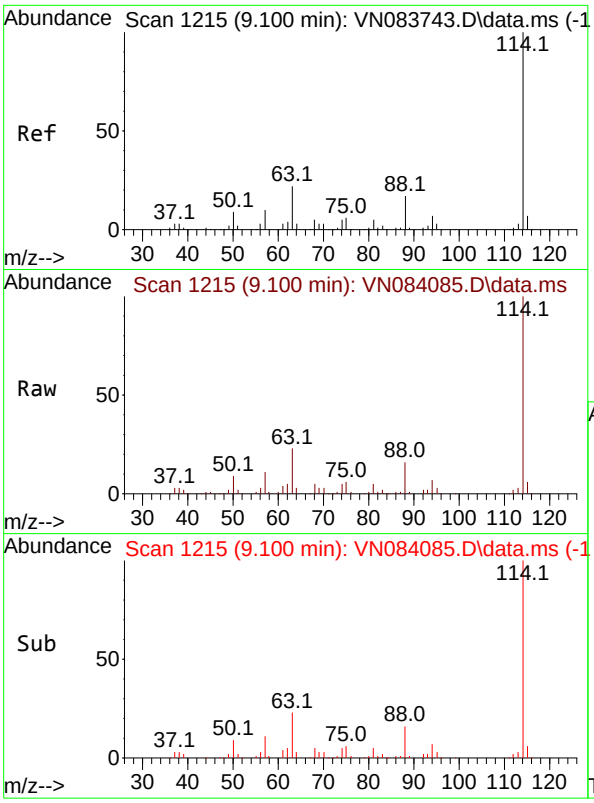


#33
1,2-Dichloroethane-d4
Concen: 51.237 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion: 65 Resp: 122054

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion:114 Resp: 27623

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	43.4
88	16.3	0.0	32.6

Instrument :
MSVOA_N
ClientSampleId :
WC-22A

Manual Integrations
APPROVED

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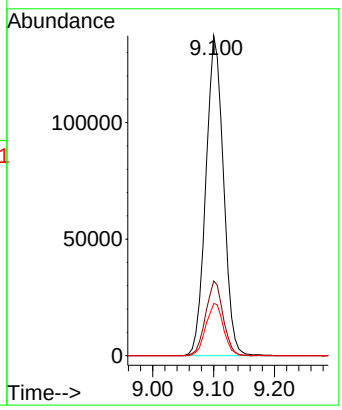
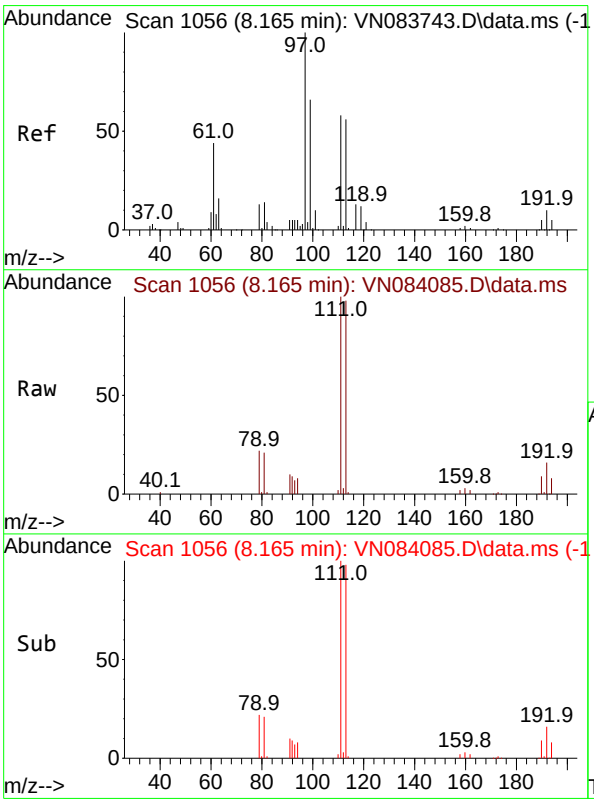
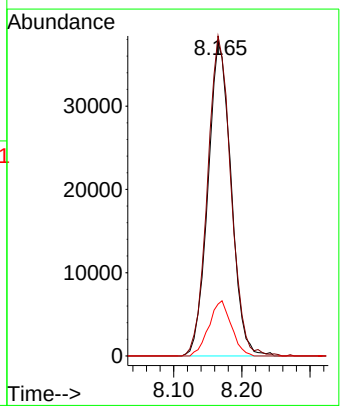


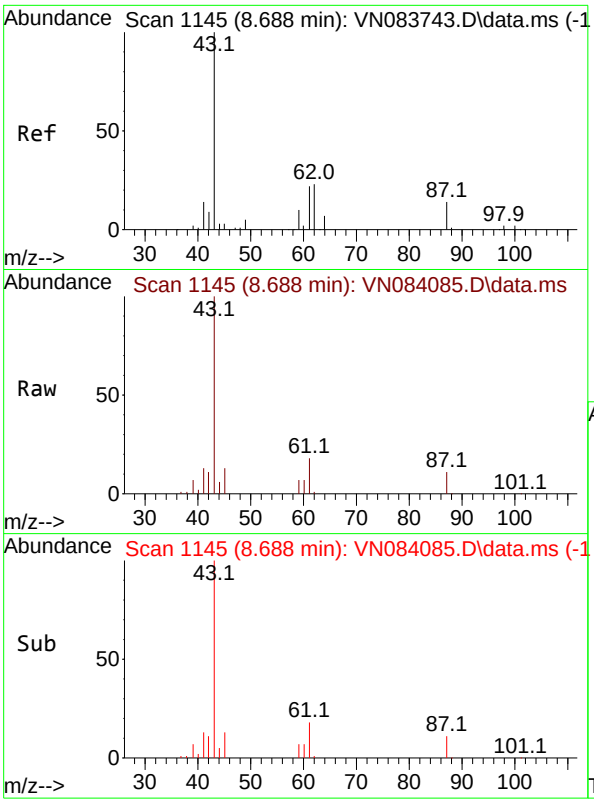


#35
Dibromofluoromethane
Concen: 50.298 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion:113 Resp: 88946

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	124.0
192	17.0	14.3	21.5

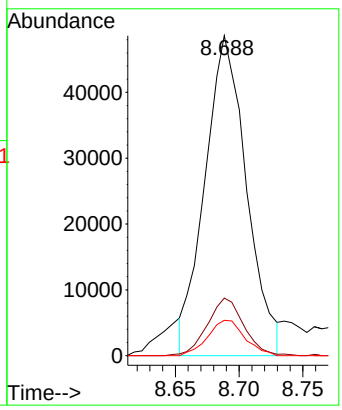




#43
Isopropyl Acetate
Concen: 25.225 ug/l m
RT: 8.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion: 43 Resp: 11044

Ion	Ratio	Lower	Upper
43	100		
61	15.8	19.4	29.0#
87	9.9	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
WC-22A

Manual Integrations
APPROVED

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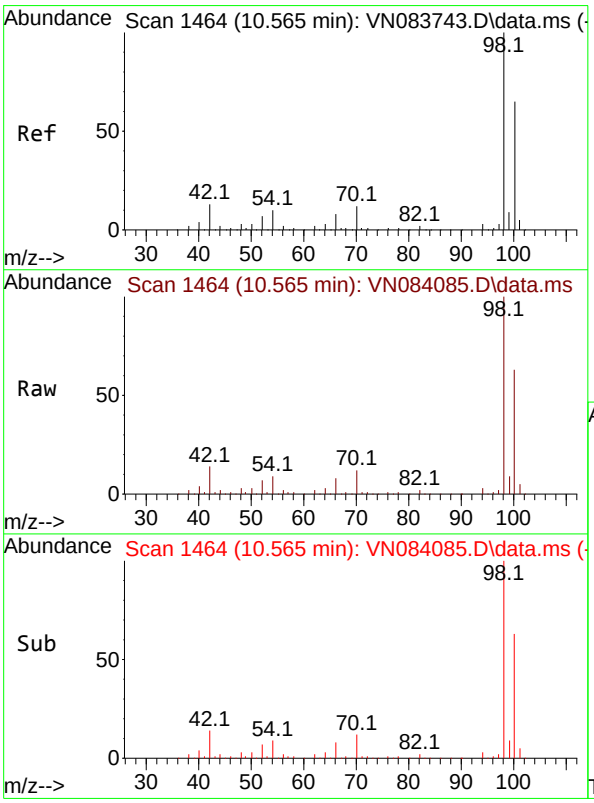
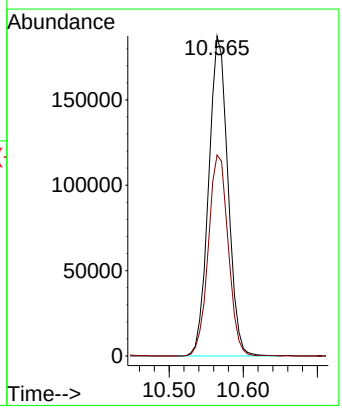
Supervised By :Mahesh Dadoda 09/23/2024

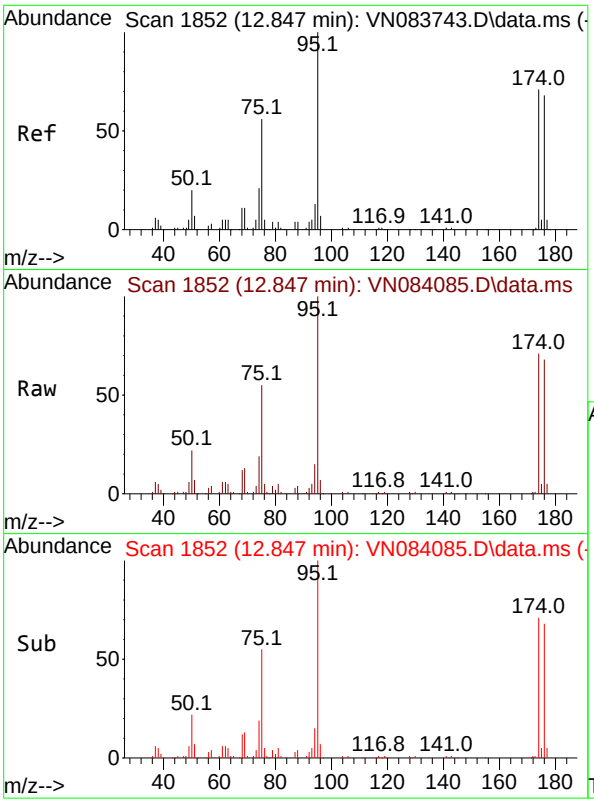


#50
Toluene-d8
Concen: 55.300 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion: 98 Resp: 338075

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

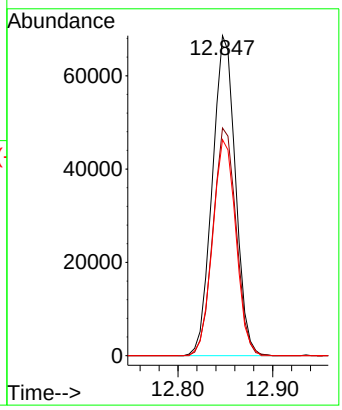




#62
4-Bromofluorobenzene
Concen: 46.162 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion: 95 Resp: 11643

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	139.8
176	67.9	0.0	131.4



Instrument :
MSVOA_N
ClientSampleId :
WC-22A

Manual Integrations
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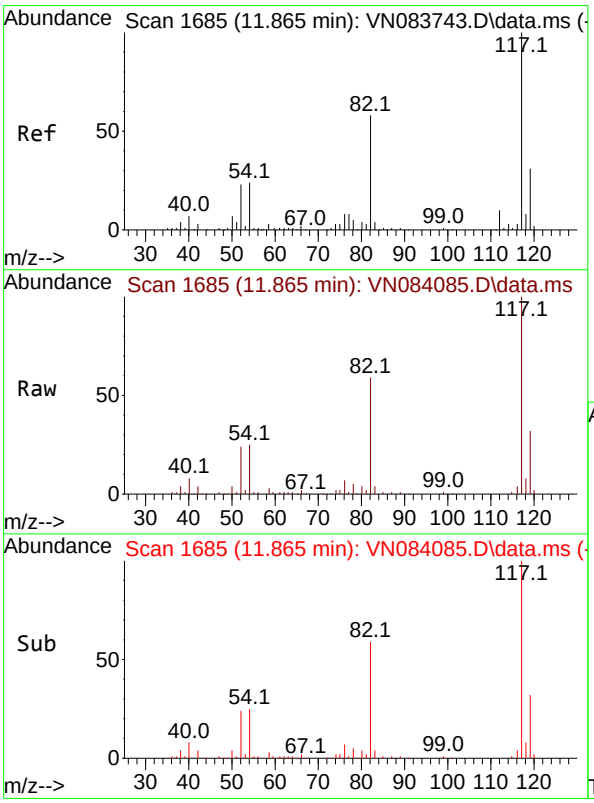
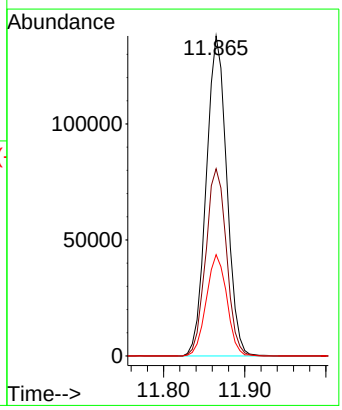
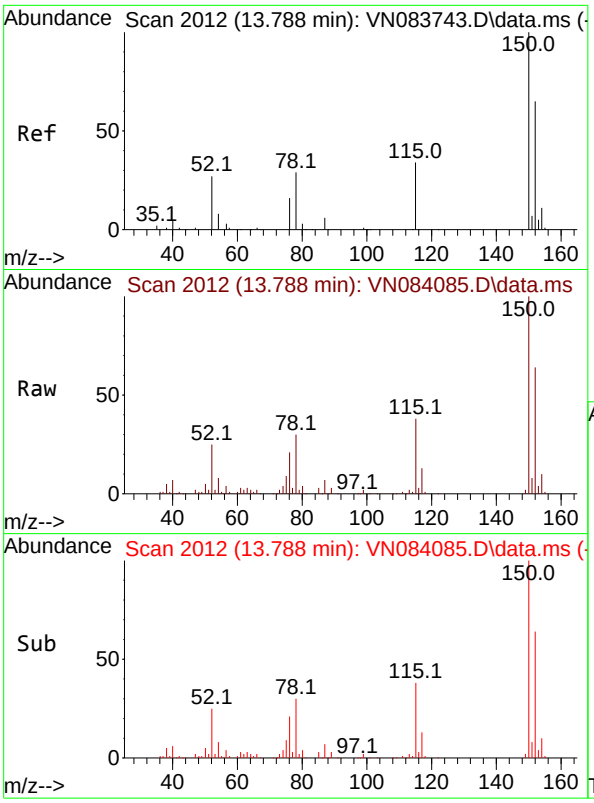


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion:117 Resp: 241651

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.4	71.0
119	31.6	26.3	39.5

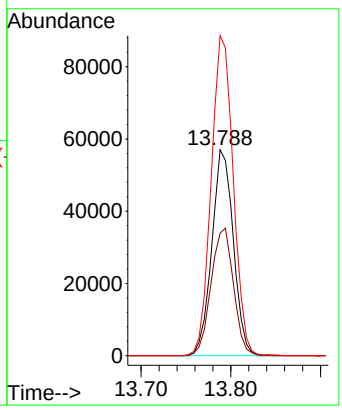




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Tgt Ion:152 Resp: 9483

Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.2	96.6
150	159.2	0.0	348.6



Instrument :
MSVOA_N
ClientSampleId :
WC-22A

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Raw Data: **VN084086.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-5-7.5A	SDG No.:	P4103
Lab Sample ID:	P4103-05	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084086.D	1		09/21/24 03:23	VN092024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	6.50	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	5.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	15.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	54.9		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	8.224			
540-36-3	1,4-Difluorobenzene	267000	9.1			
3114-55-4	Chlorobenzene-d5	233000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	96100	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084086.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084086.D
Acq On : 21 Sep 2024 03:23
Operator : JC\MD
Sample : P4103-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 21 05:24:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5A

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	151431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	267439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	96079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121323	53.133	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.260%			
35) Dibromofluoromethane	8.165	113	84381	49.285	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.560%			
50) Toluene-d8	10.565	98	324923	54.896	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.800%			
62) 4-Bromofluorobenzene	12.847	95	114648	46.949	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.900%			
Target Compounds						Qvalue
16) Acetone	4.436	43	41744	45.605	ug/l	97
20) Methylene Chloride	5.283	84	3992	2.131	ug/l	94
25) 2-Butanone	7.494	43	7847	6.522	ug/l #	82
43) Isopropyl Acetate	8.688	43	72256m	17.046	ug/l	
95) Naphthalene	15.641	128	5800	1.090	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084086.D
Acq On : 21 Sep 2024 03:23
Operator : JC\MD
Sample : P4103-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 21 05:24:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5A

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
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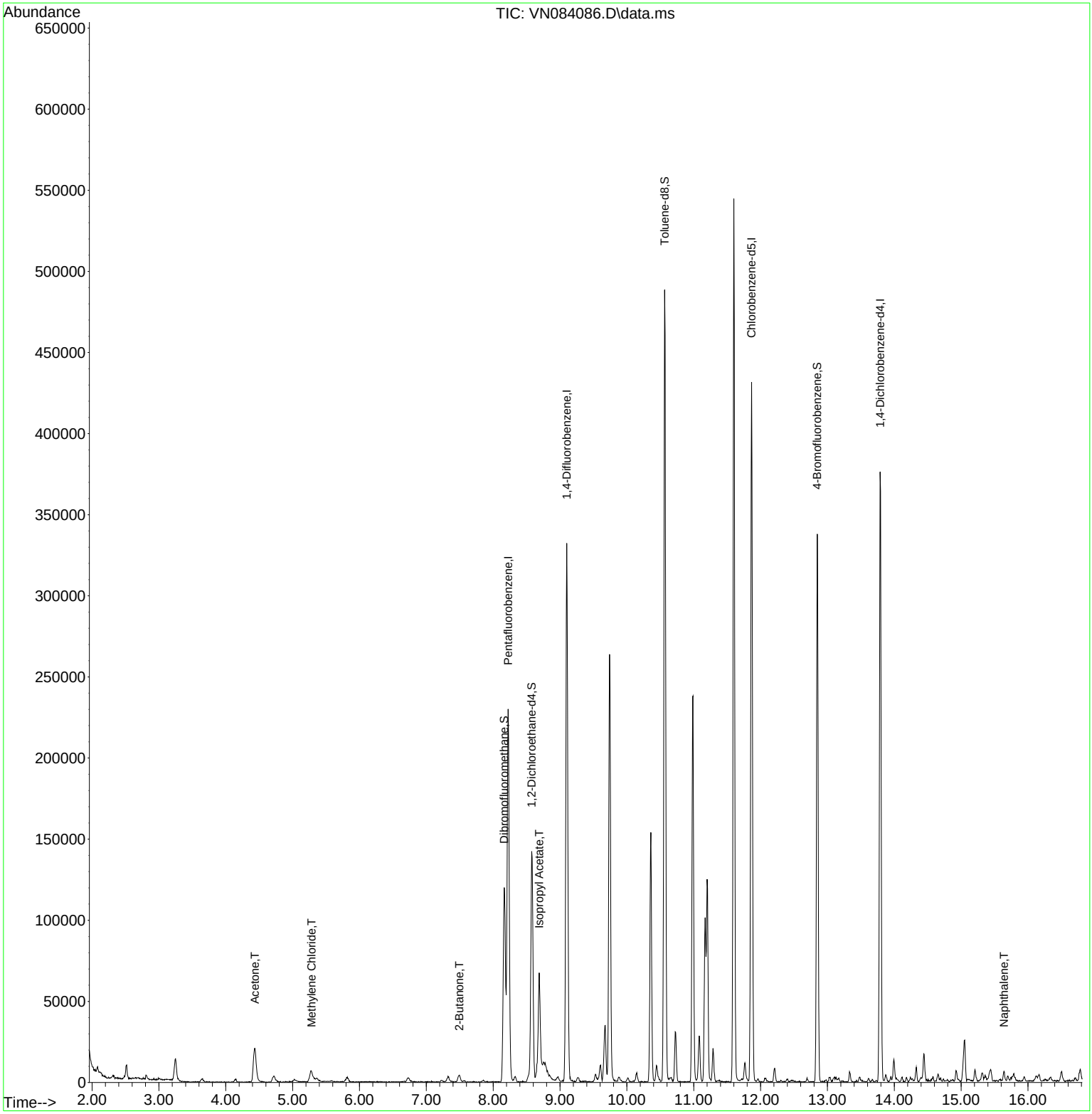
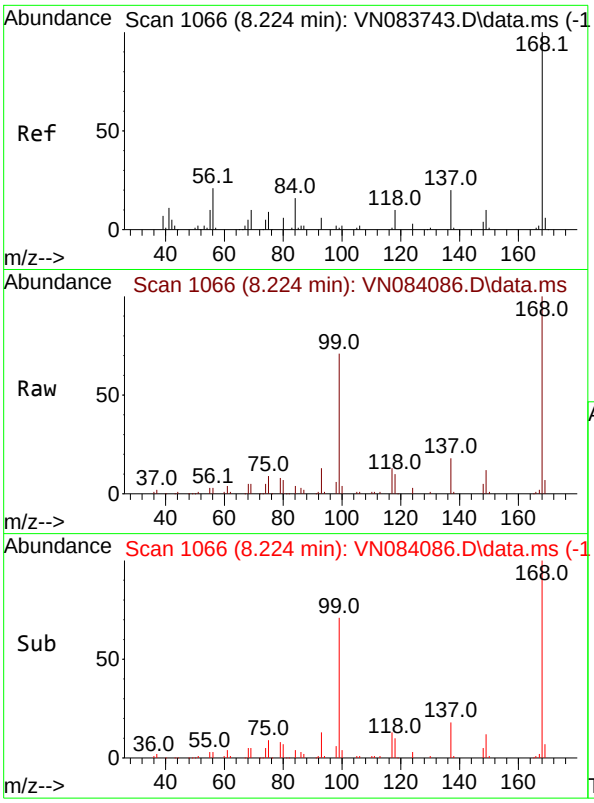




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

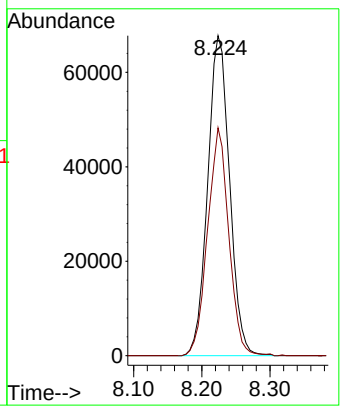
Tgt Ion:168 Resp: 15143

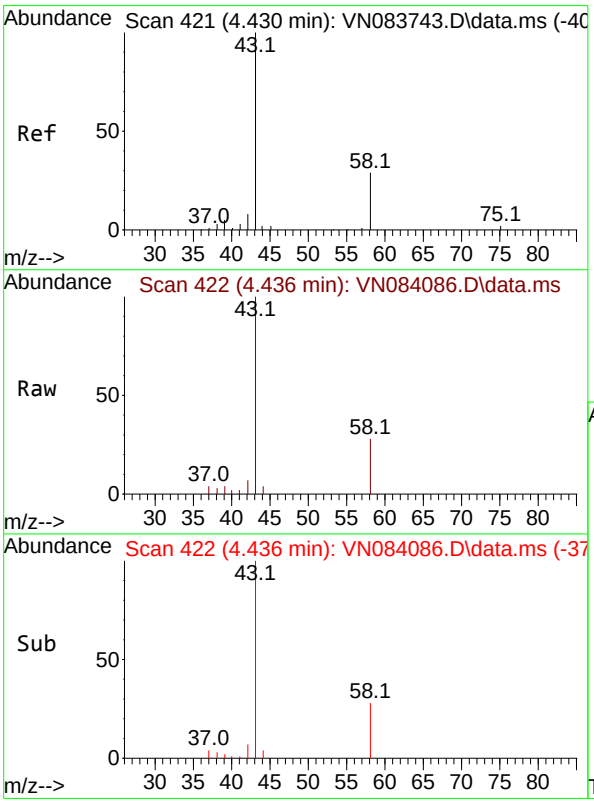
Ion	Ratio	Lower	Upper
168	100		
99	71.2	54.2	81.2

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5A

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

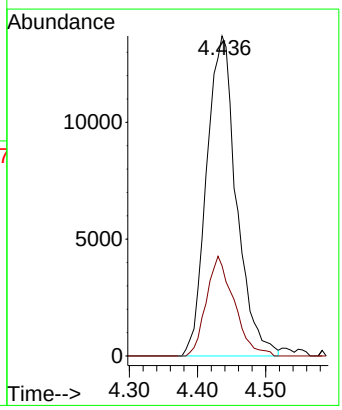


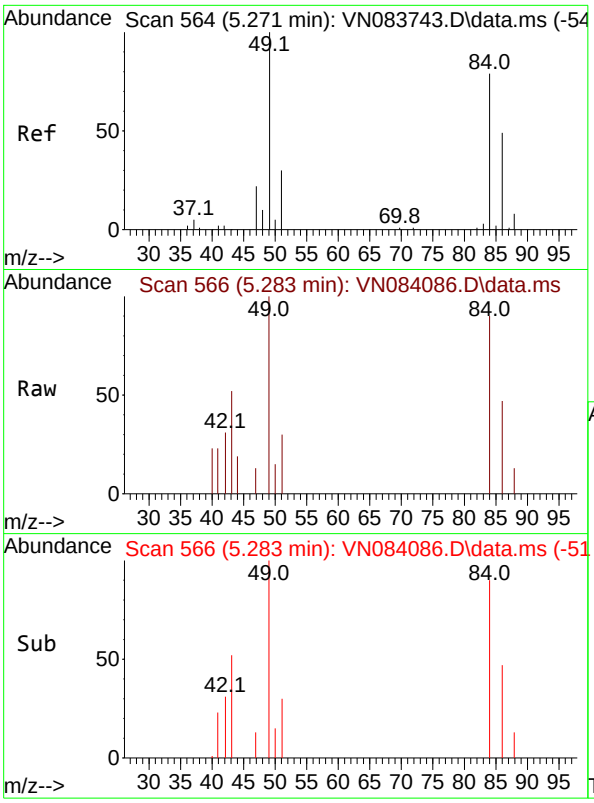


#16
Acetone
Concen: 45.605 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion: 43 Resp: 41744

Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.7	35.5

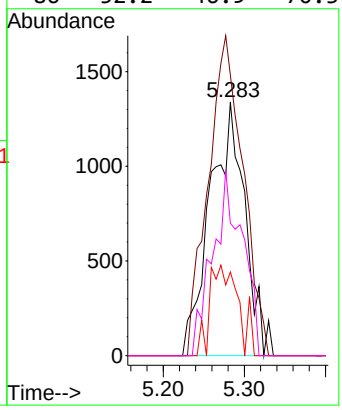




#20
Methylene Chloride
Concen: 2.131 ug/l
RT: 5.283 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion: 84 Resp: 399

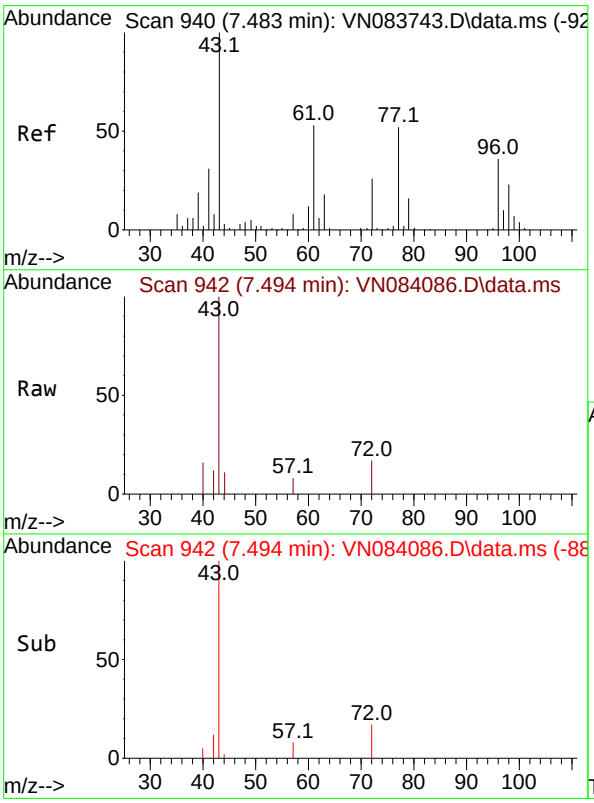
Ion	Ratio	Lower	Upper
84	100		
49	110.5	93.4	140.0
51	33.0	29.2	43.8
86	52.2	46.9	70.3



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5A

Manual Integrations
APPROVED

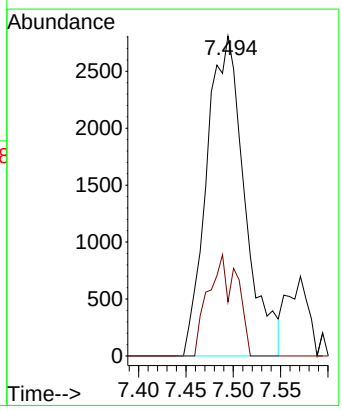
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

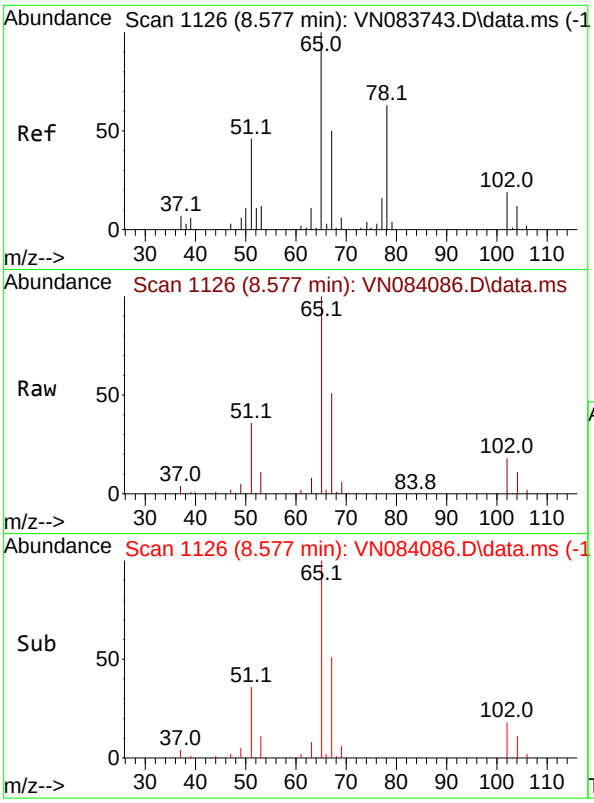


#25
2-Butanone
Concen: 6.522 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion: 43 Resp: 7847

Ion	Ratio	Lower	Upper
43	100		
72	16.9	20.8	31.2#

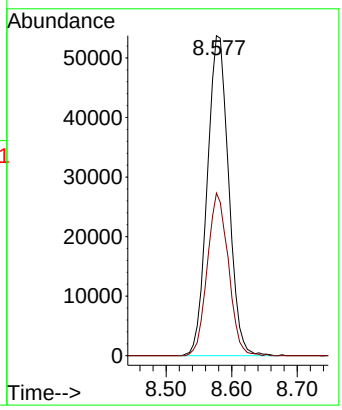




#33
1,2-Dichloroethane-d4
Concen: 53.133 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion: 65 Resp: 12132

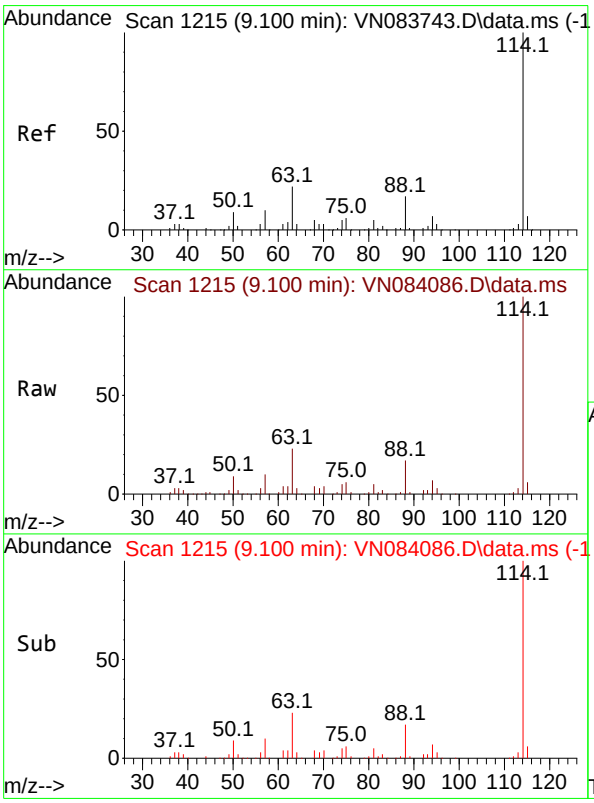
Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5A

Manual Integrations
APPROVED

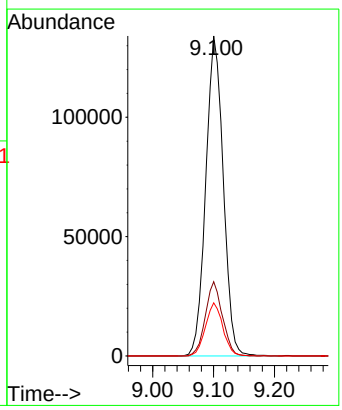
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

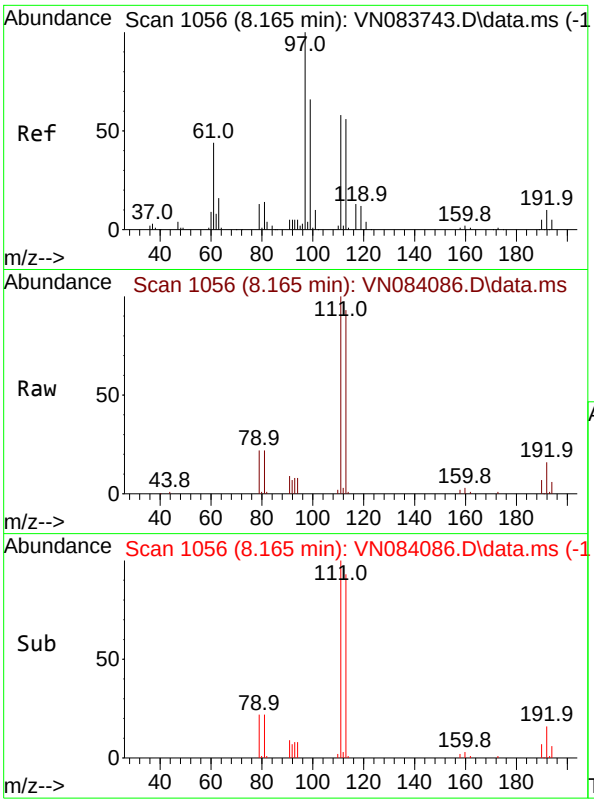


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion:114 Resp: 267439

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	43.4
88	16.6	0.0	32.6

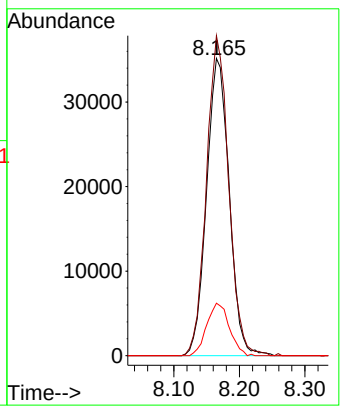




#35
Dibromofluoromethane
Concen: 49.285 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion:113 Resp: 8438

Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.6	124.0
192	17.6	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5A

Manual Integrations
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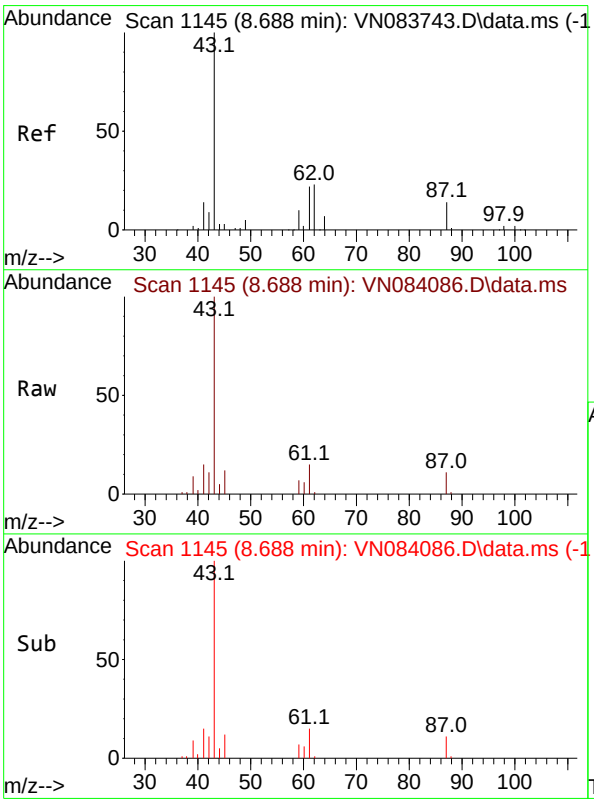
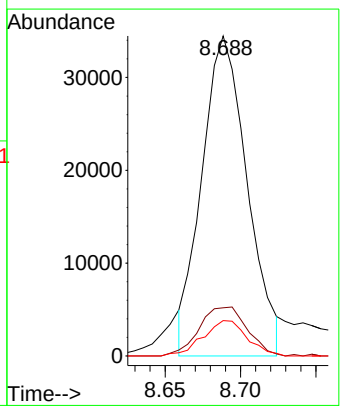
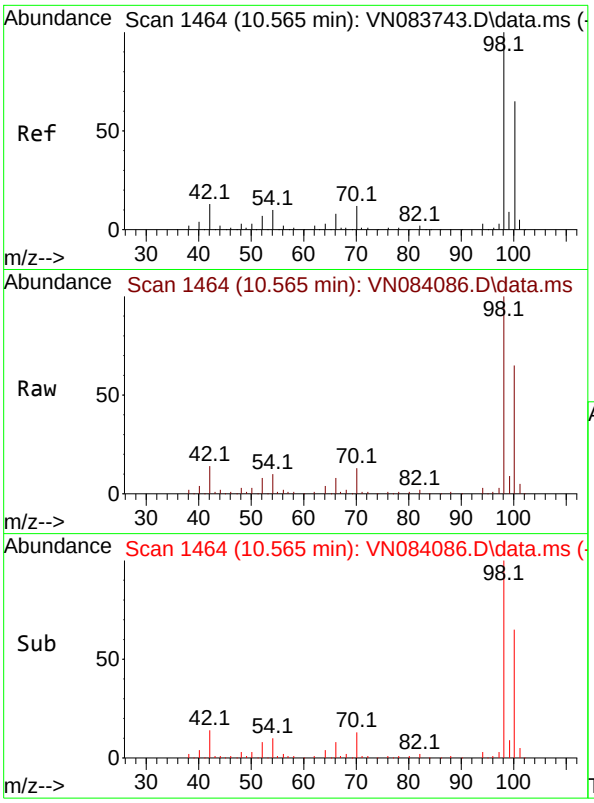


#43
Isopropyl Acetate
Concen: 17.046 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion: 43 Resp: 72256

Ion	Ratio	Lower	Upper
43	100		
61	16.2	19.4	29.0#
87	10.8	9.8	14.6





#50
Toluene-d8
Concen: 54.896 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion: 98 Resp: 32492

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5A

Manual Integrations
APPROVED

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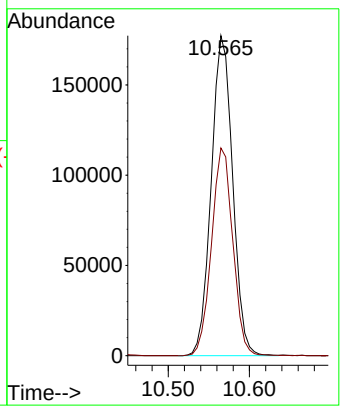
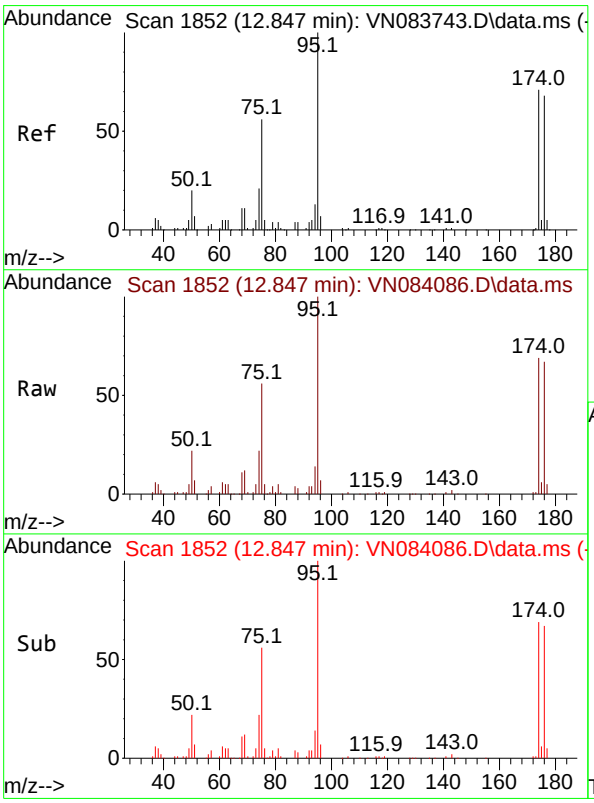
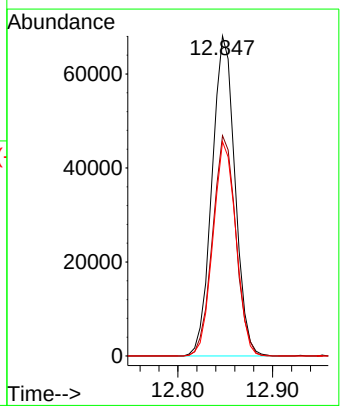


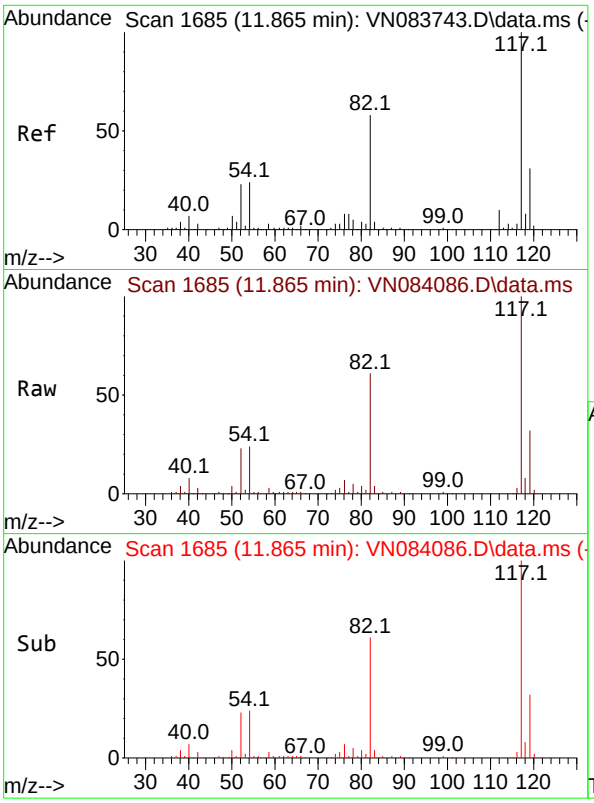


#62
4-Bromofluorobenzene
Concen: 46.949 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion: 95 Resp: 114648

Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	139.8
176	67.0	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion:117 Resp: 23288

Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.4	71.0
119	32.2	26.3	39.5

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5A

Manual Integrations
APPROVED

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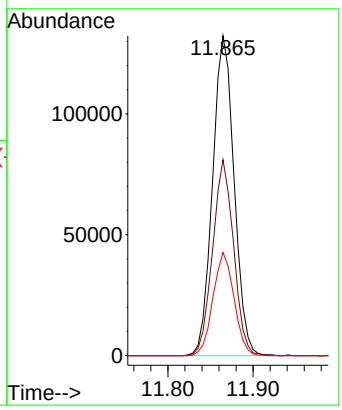
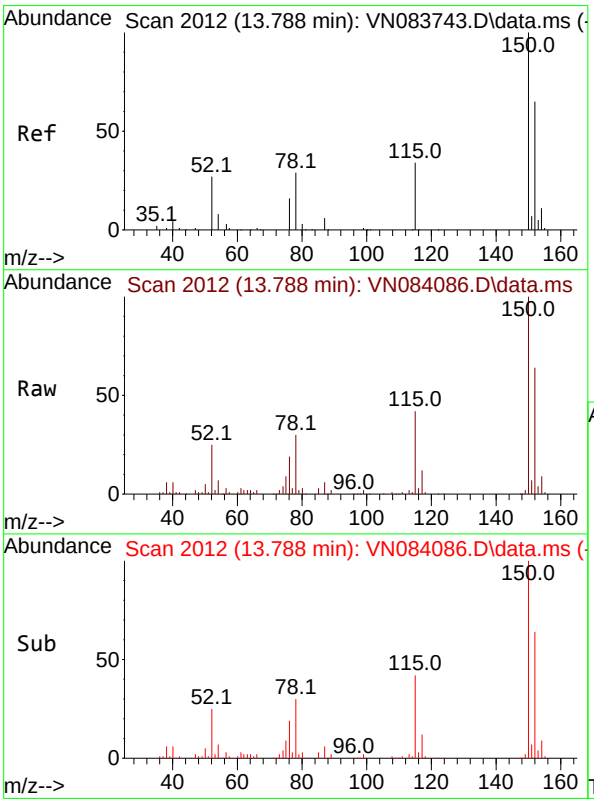
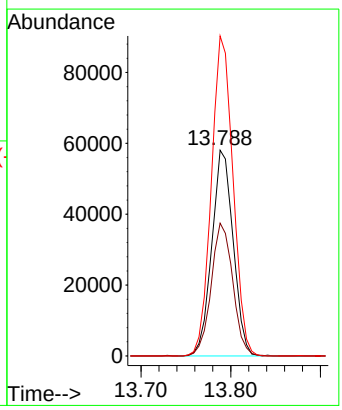


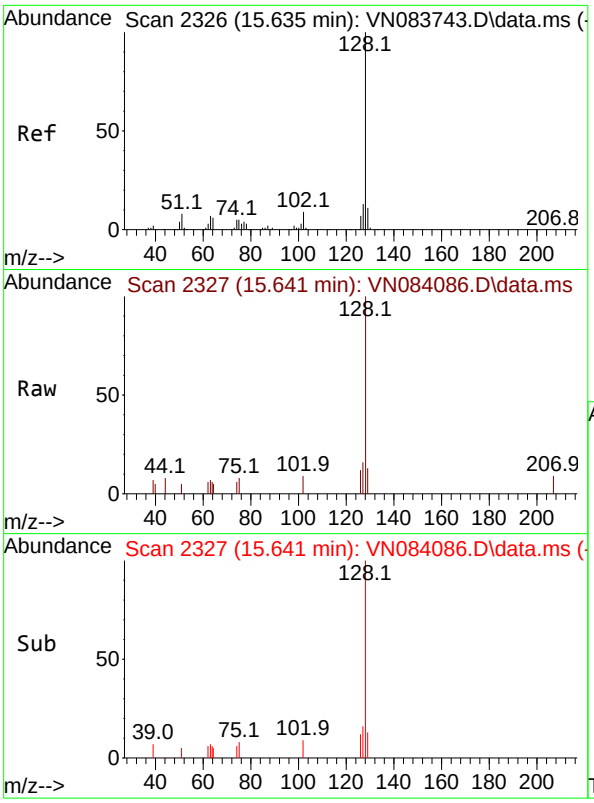


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion:152 Resp: 96079

Ion	Ratio	Lower	Upper
152	100		
115	65.1	32.2	96.6
150	157.1	0.0	348.6

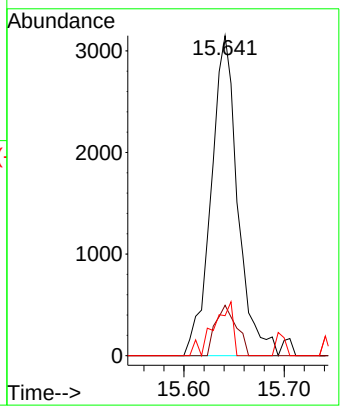




#95
Naphthalene
Concen: 1.090 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084086.D
Acq: 21 Sep 2024 03:23

Tgt Ion:128 Resp: 580

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	12.2	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5A

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Raw Data: **VN084087.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-5-7.5B	SDG No.:	P4103
Lab Sample ID:	P4103-08	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084087.D	1		09/21/24 03:47	VN092024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	13.0	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	1.40	J	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
108-88-3	Toluene	68.1		0.18	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	71.0		0.16	5.00	ug/L
1330-20-7	Total Xylenes	380		0.45	15.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	55.2		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	149000	8.224			
540-36-3	1,4-Difluorobenzene	265000	9.1			
3114-55-4	Chlorobenzene-d5	231000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.794			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084087.D
Acq On : 21 Sep 2024 03:47
Operator : JC\MD
Sample : P4103-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 21 05:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	149058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	264749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118871	52.888	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.780%			
35) Dibromofluoromethane	8.165	113	85757	50.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.200%			
50) Toluene-d8	10.565	98	323344	55.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.360%			
62) 4-Bromofluorobenzene	12.847	95	121667	50.329	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.660%			
Target Compounds						Qvalue
16) Acetone	4.424	43	55771	61.899	ug/l #	89
20) Methylene Chloride	5.271	84	4724m	2.562	ug/l	
25) 2-Butanone	7.488	43	15349	12.961	ug/l #	88
39) Methylcyclohexane	9.600	83	10858	3.739	ug/l	88
40) Benzene	8.606	78	10716	1.396	ug/l	98
43) Isopropyl Acetate	8.688	43	34684m	8.266	ug/l	
52) Toluene	10.629	92	319639	68.057	ug/l	98
67) Ethyl Benzene	11.965	91	647690	70.998	ug/l	99
68) m/p-Xylenes	12.065	106	812138	239.787	ug/l	99
69) o-Xylene	12.400	106	450467	137.389	ug/l	99
73) Isopropylbenzene	12.694	105	113854	14.150	ug/l	99
78) n-propylbenzene	13.035	91	380891	40.686	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	205918	30.355	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	762013	111.827	ug/l	99
95) Naphthalene	15.641	128	232401	40.353	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084087.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084087.D
Acq On : 21 Sep 2024 03:47
Operator : JC\MD
Sample : P4103-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 21 05:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations APPROVED

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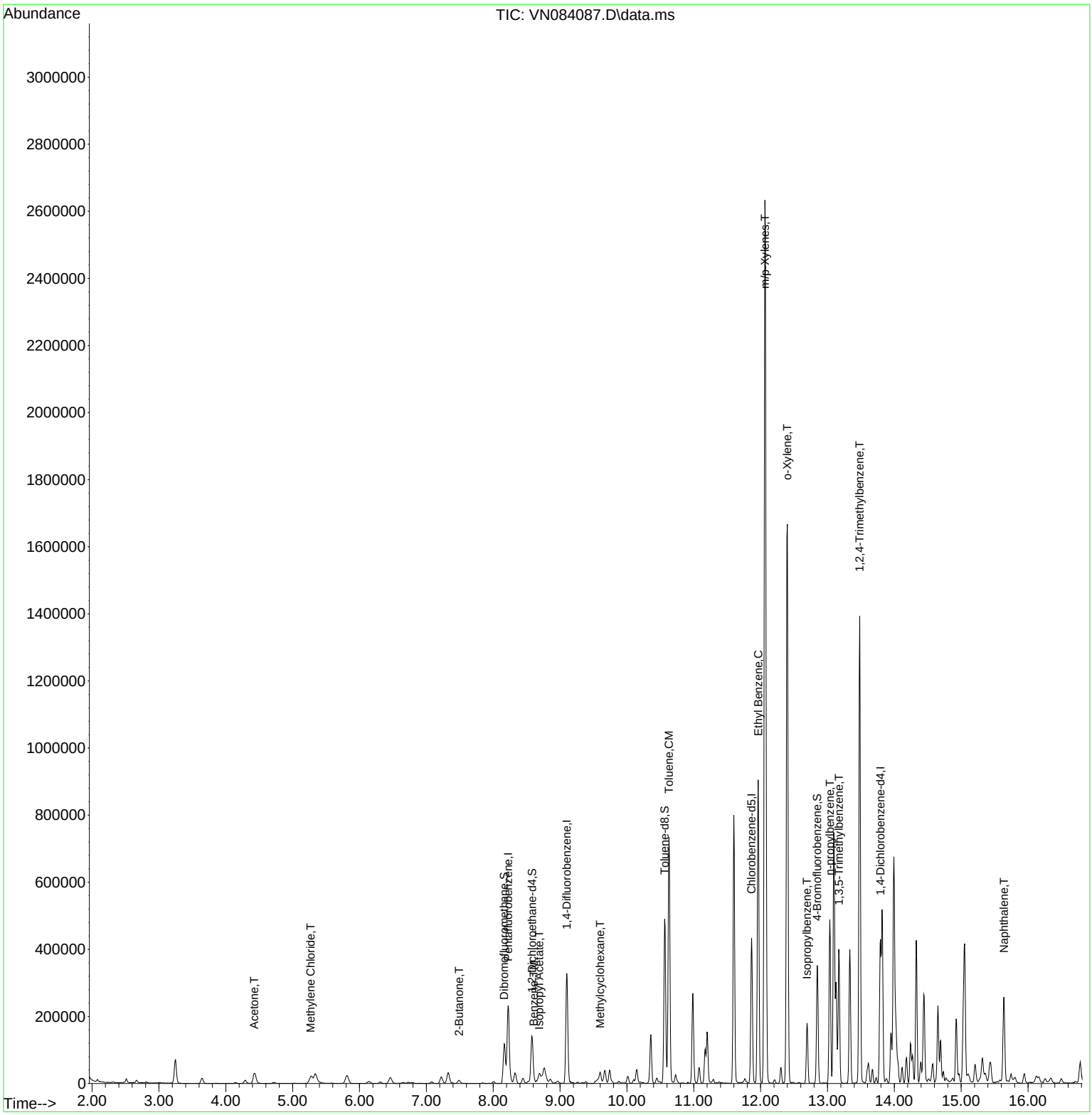

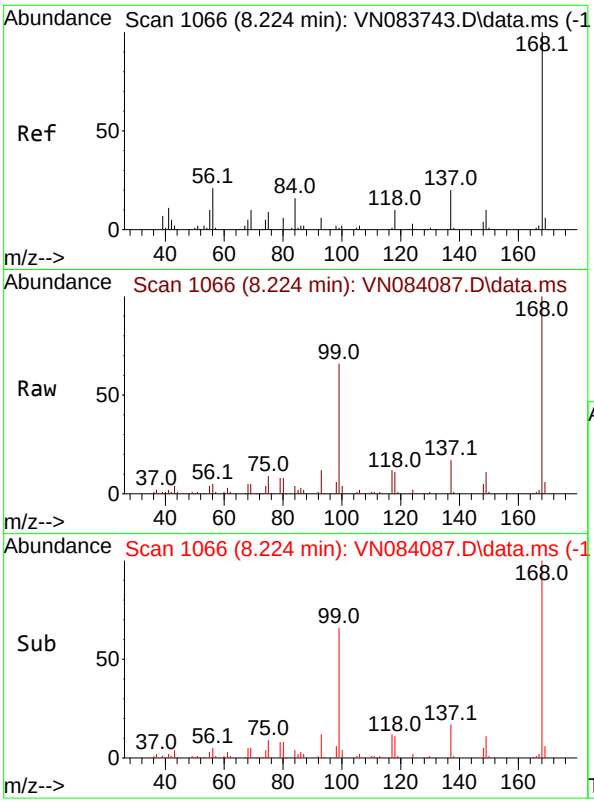

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion:168 Resp: 14905

Ion	Ratio	Lower	Upper
168	100		
99	66.0	54.2	81.2

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

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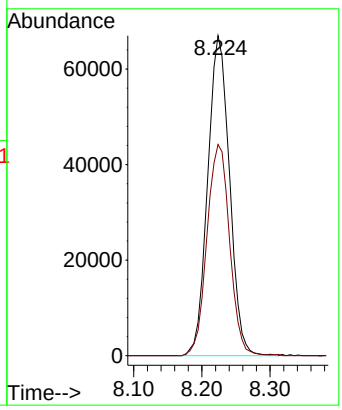
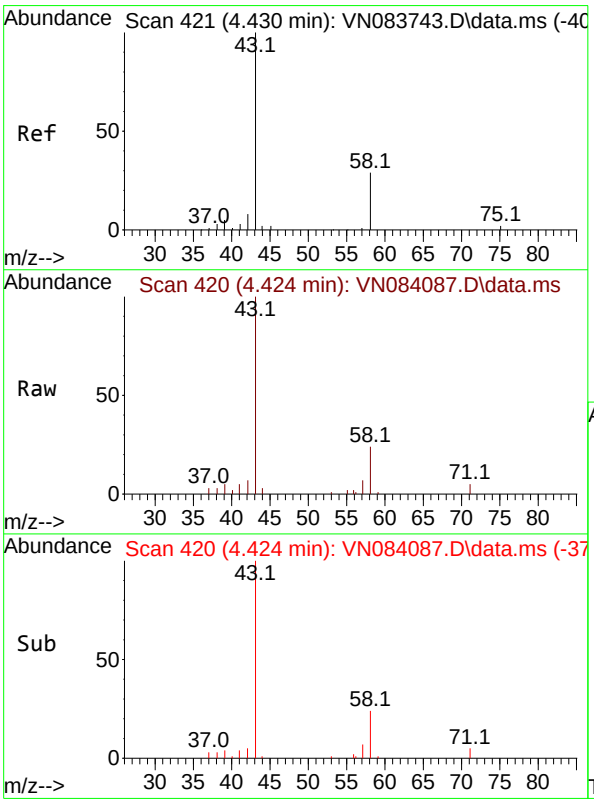
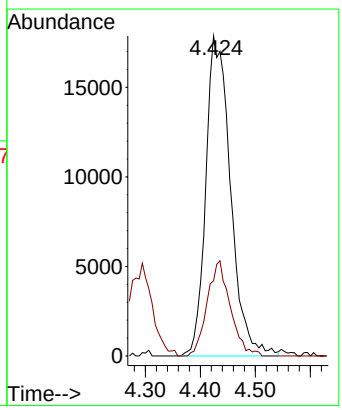


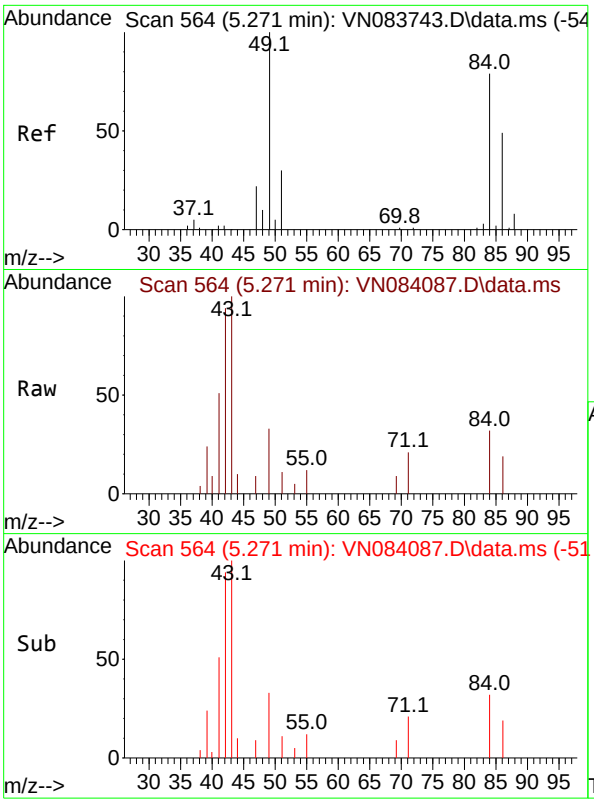


#16
Acetone
Concen: 61.899 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 43 Resp: 55771

Ion	Ratio	Lower	Upper
43	100		
58	23.5	23.7	35.5#

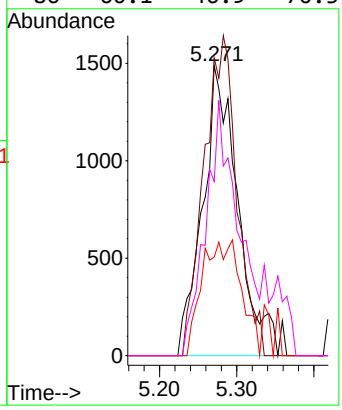




#20
Methylene Chloride
Concen: 2.562 ug/l m
RT: 5.271 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 84 Resp: 472

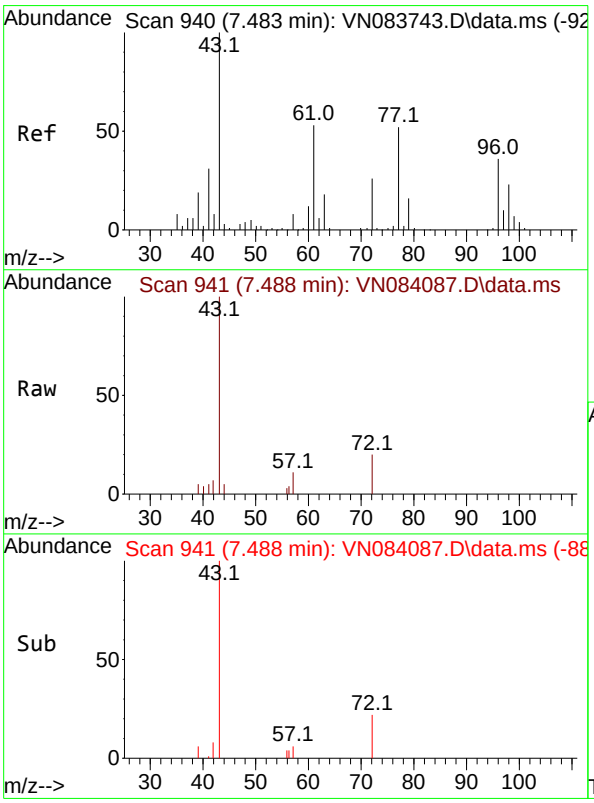
Ion	Ratio	Lower	Upper
84	100		
49	102.7	93.4	140.0
51	34.0	29.2	43.8
86	60.1	46.9	70.3



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

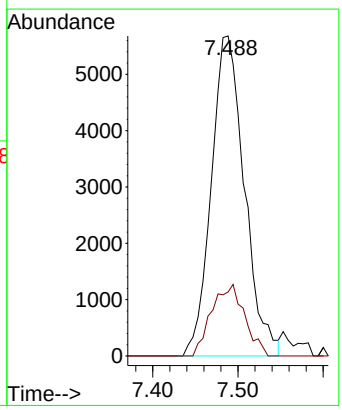
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

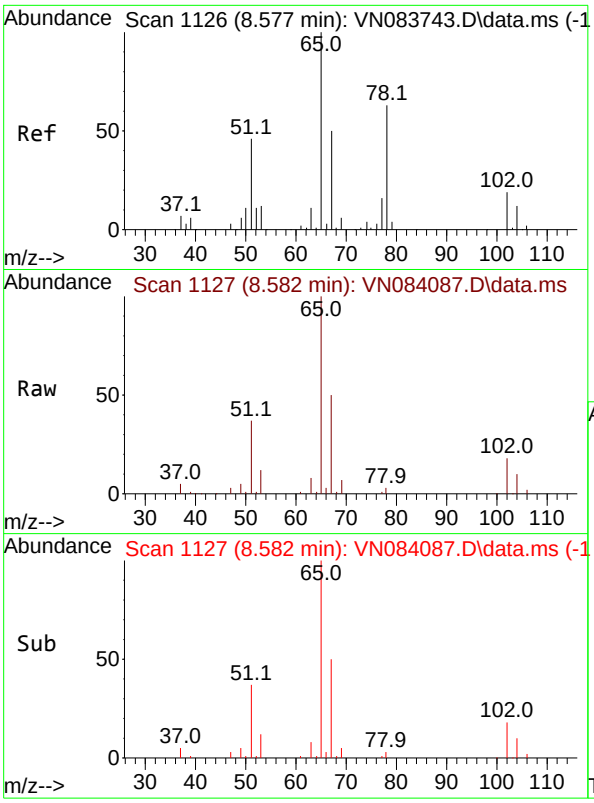


#25
2-Butanone
Concen: 12.961 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 43 Resp: 15349

Ion	Ratio	Lower	Upper
43	100		
72	20.0	20.8	31.2#





#33
1,2-Dichloroethane-d4
Concen: 52.888 ug/l
RT: 8.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 65 Resp: 11887

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	100.8

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

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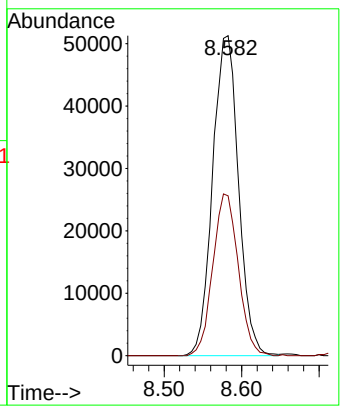
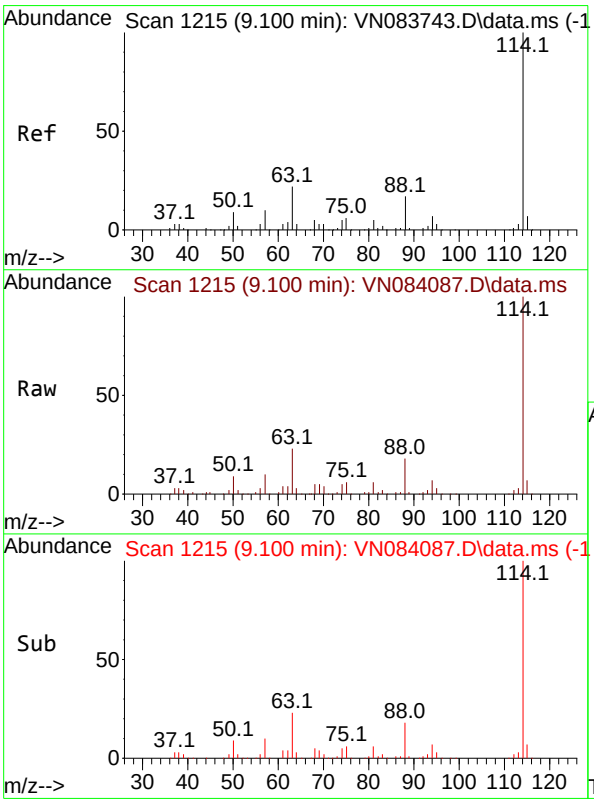
Supervised By :Mahesh Dadoda 09/23/2024

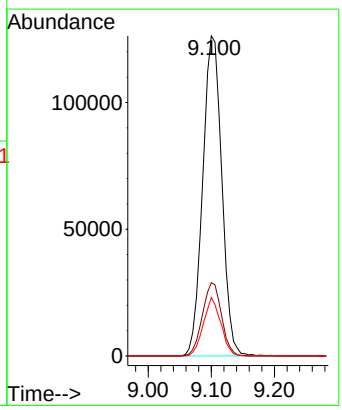


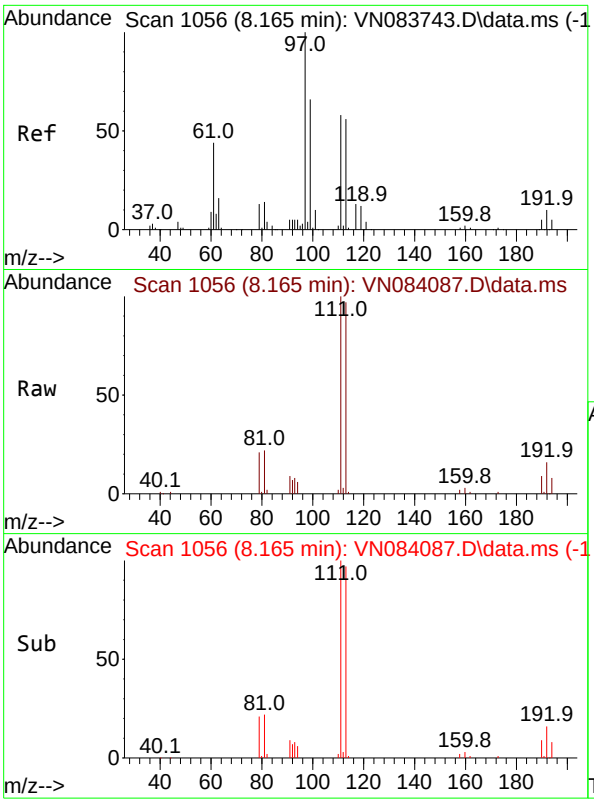


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion:114 Resp: 264749

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	43.4
88	18.3	0.0	32.6

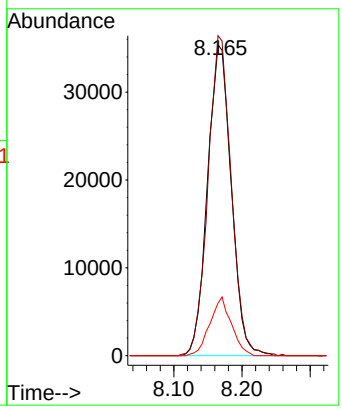




#35
Dibromofluoromethane
Concen: 50.597 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion:113 Resp: 8575

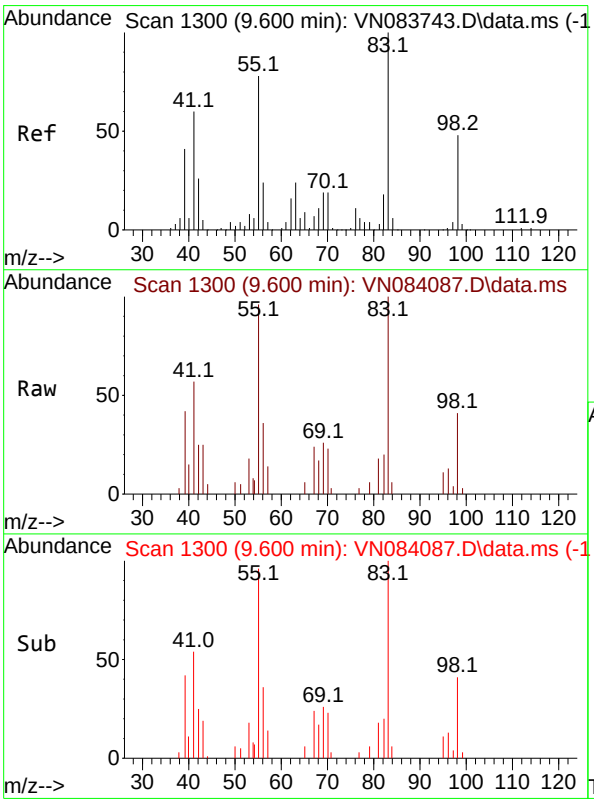
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.6	124.0
192	17.2	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

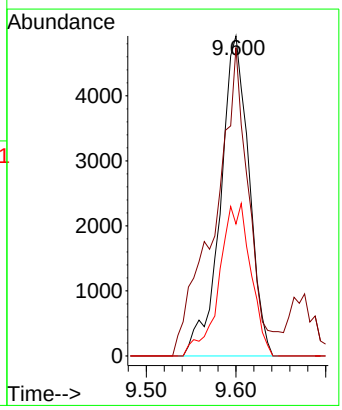
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

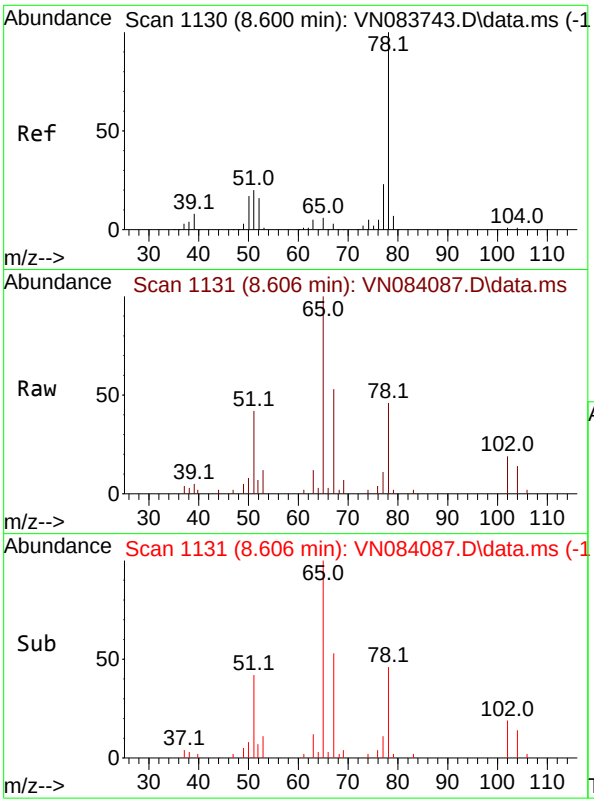


#39
Methylcyclohexane
Concen: 3.739 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 83 Resp: 10858

Ion	Ratio	Lower	Upper
83	100		
55	90.0	62.2	93.4
98	41.2	37.6	56.4





#40
Benzene
Concen: 1.396 ug/l
RT: 8.606 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 78 Resp: 1071

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

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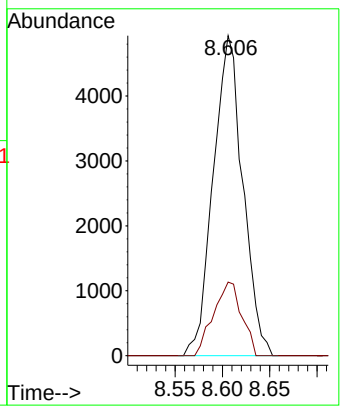
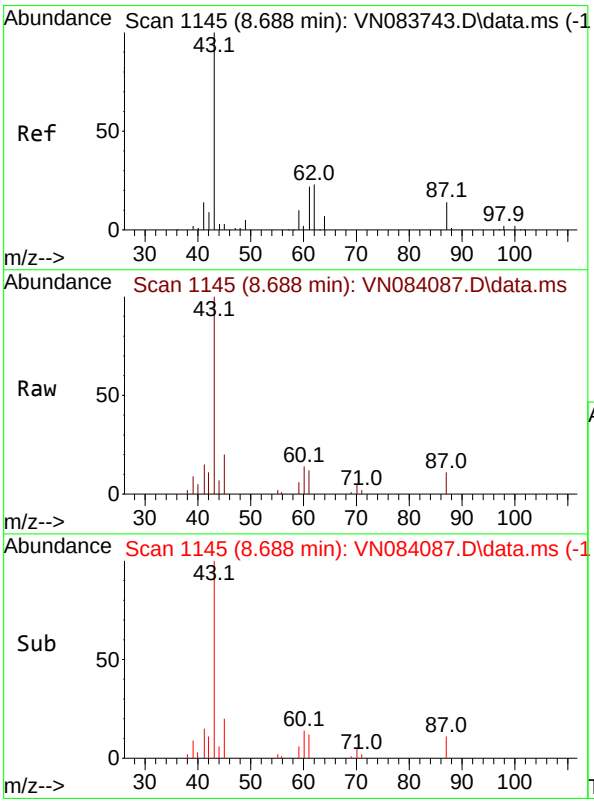
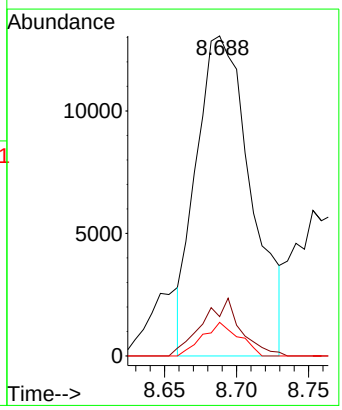


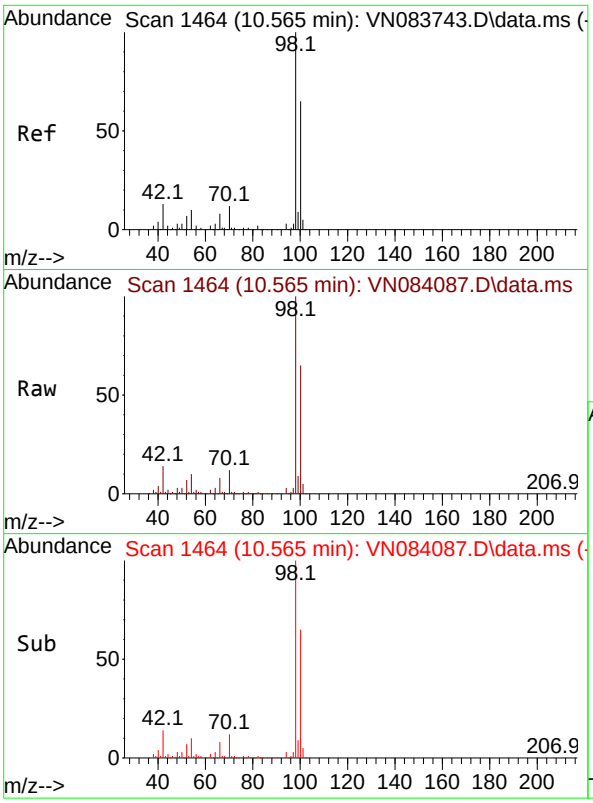


#43
Isopropyl Acetate
Concen: 8.266 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 43 Resp: 34684

Ion	Ratio	Lower	Upper
43	100		
61	12.6	19.4	29.0#
87	7.0	9.8	14.6#





#50
Toluene-d8
Concen: 55.184 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 98 Resp: 32334

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
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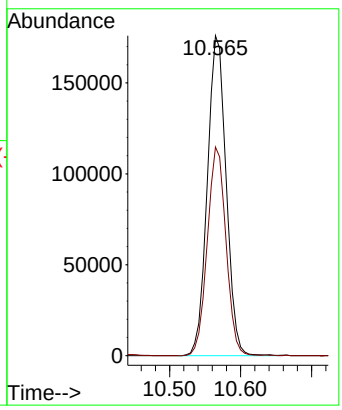
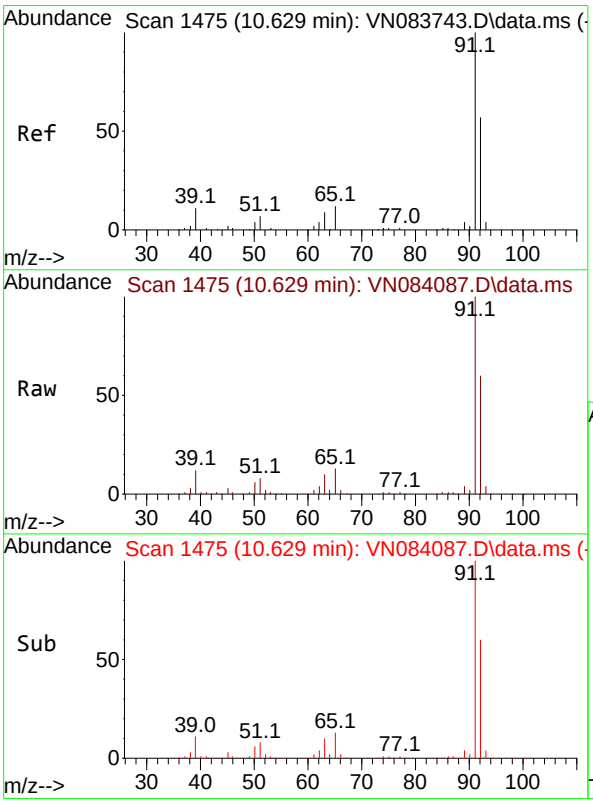
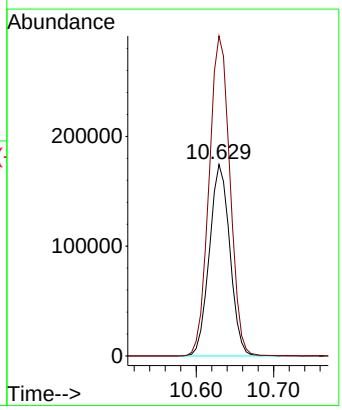


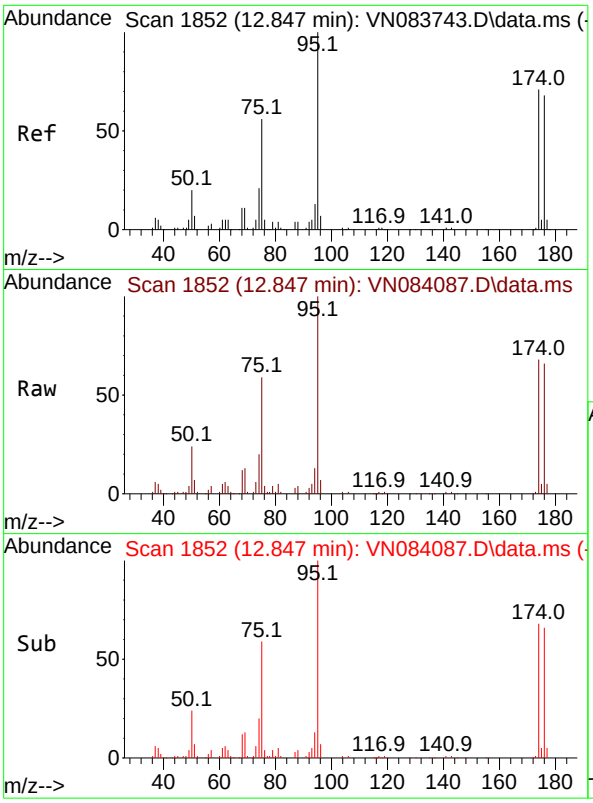


#52
Toluene
Concen: 68.057 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 92 Resp: 319639

Ion	Ratio	Lower	Upper
92	100		
91	170.8	134.7	202.1

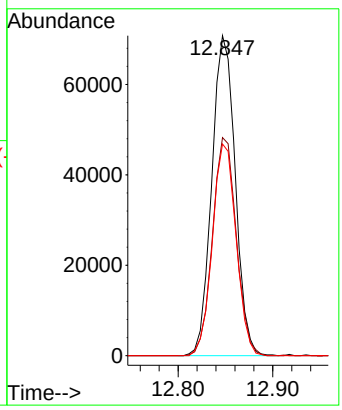




#62
4-Bromofluorobenzene
Concen: 50.329 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 95 Resp: 12166

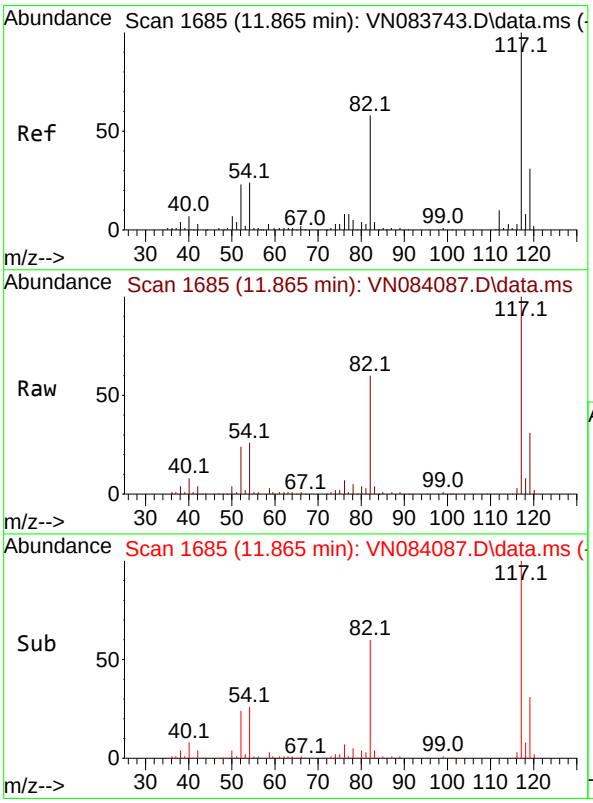
Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	139.8
176	66.8	0.0	131.4



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

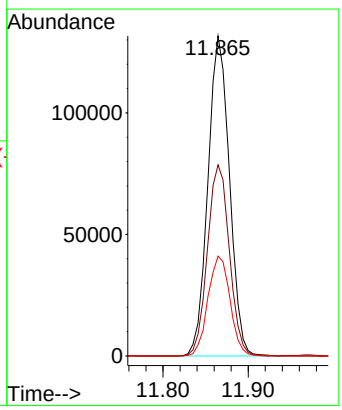
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

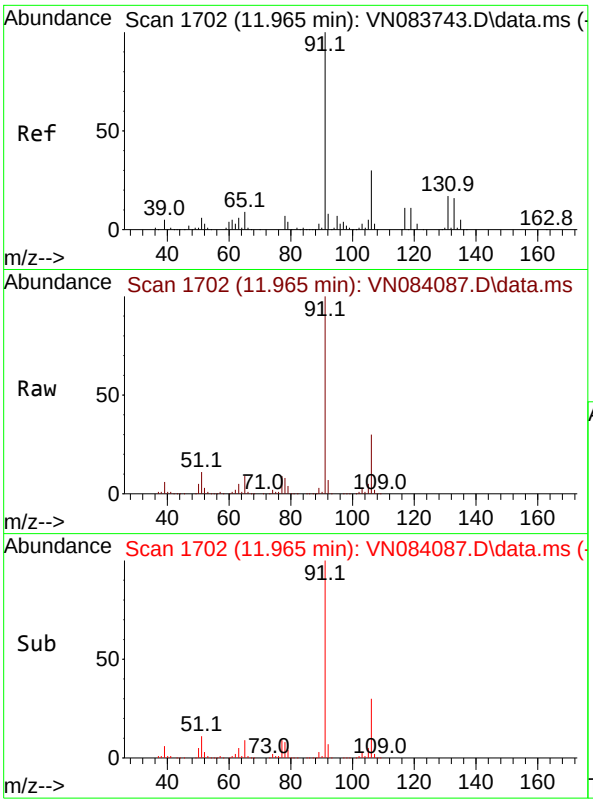


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion:117 Resp: 231059

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.4	71.0
119	31.2	26.3	39.5

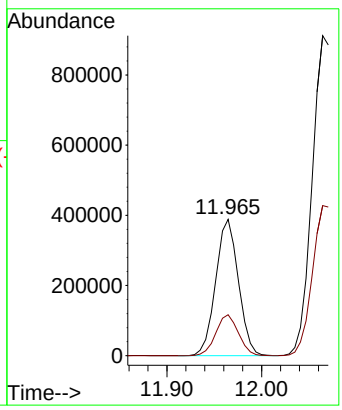




#67
Ethyl Benzene
Concen: 70.998 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 91 Resp: 64769

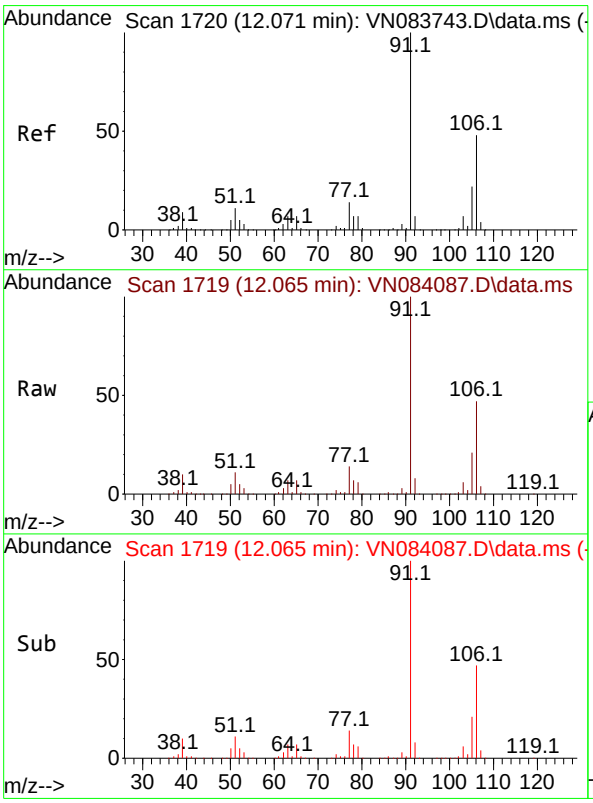
Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

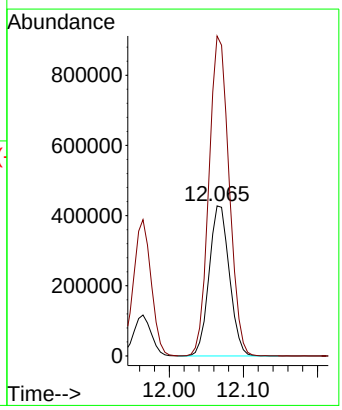
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

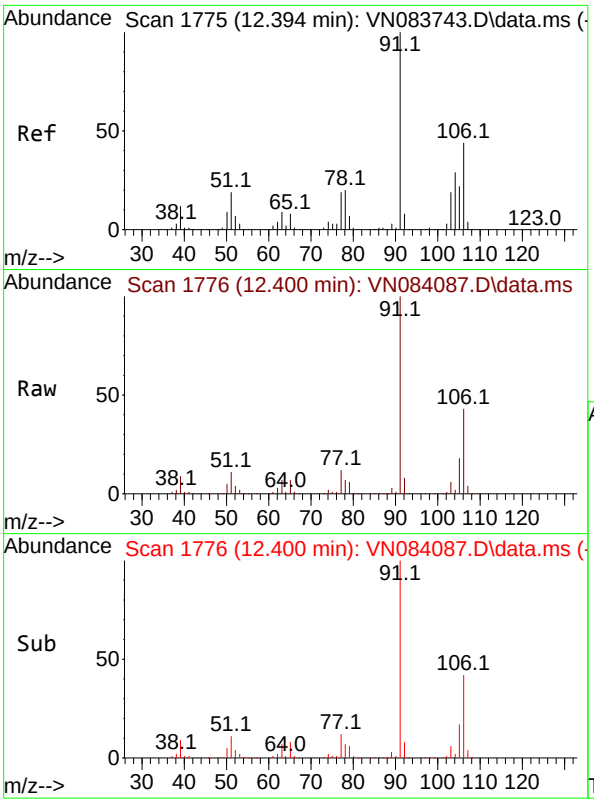


#68
m/p-Xylenes
Concen: 239.787 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion:106 Resp: 812138

Ion	Ratio	Lower	Upper
106	100		
91	212.4	169.2	253.8





#69
o-Xylene
Concen: 137.389 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

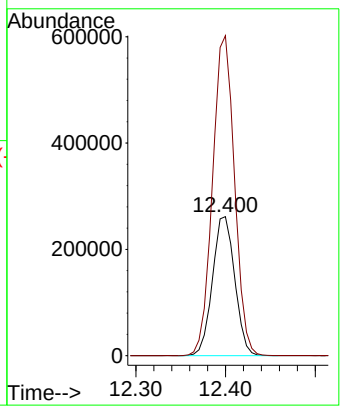
Tgt Ion:106 Resp: 45046

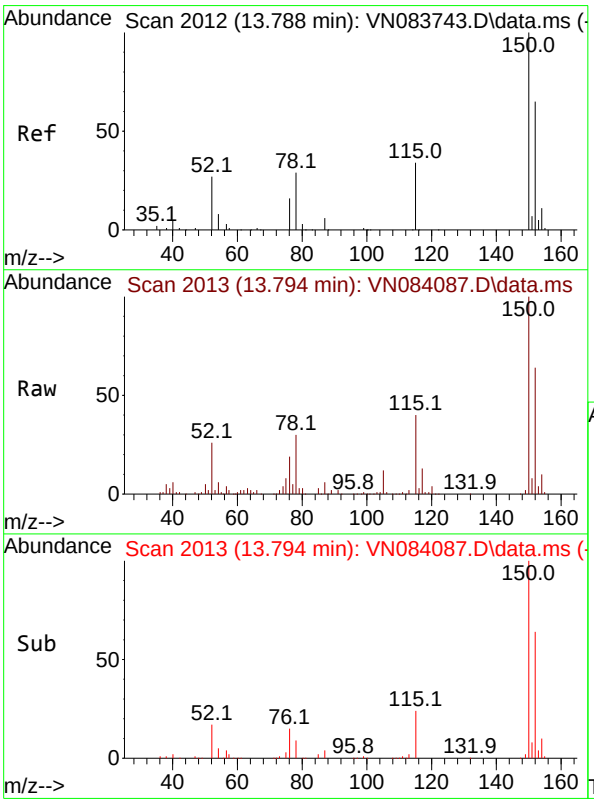
Ion	Ratio	Lower	Upper
106	100		
91	227.2	112.9	338.6

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

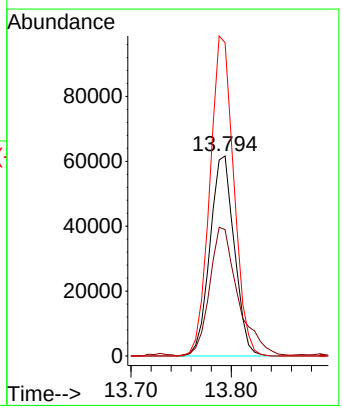


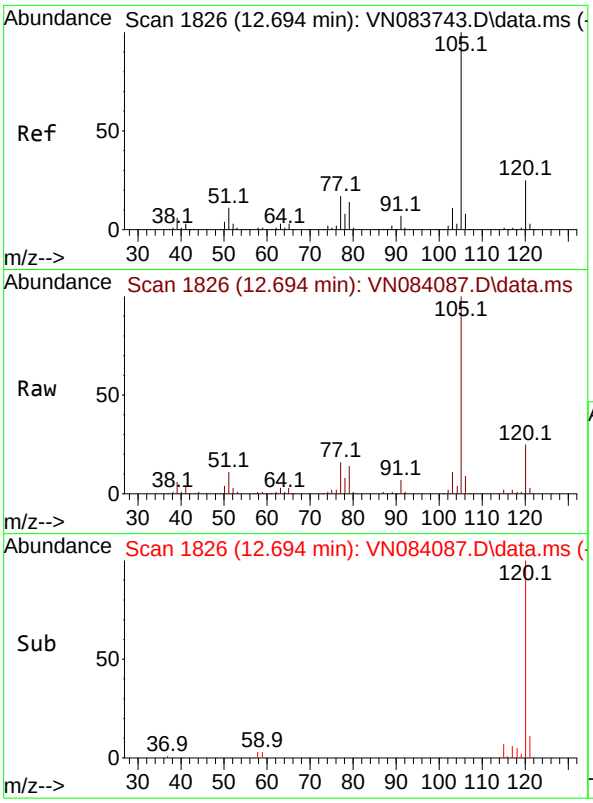


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion:152 Resp: 104000

Ion	Ratio	Lower	Upper
152	100		
115	75.4	32.2	96.6
150	157.4	0.0	348.6

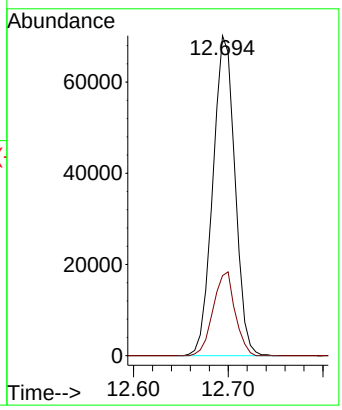




#73
Isopropylbenzene
Concen: 14.150 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion:105 Resp: 11385

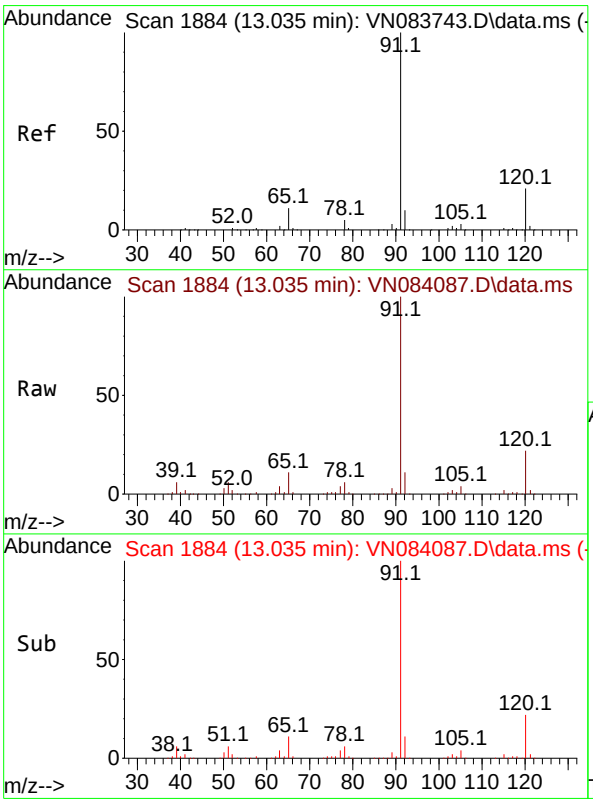
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.6	37.8



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

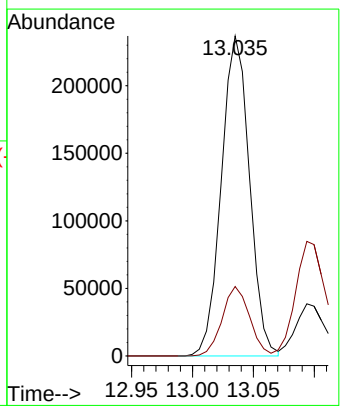
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

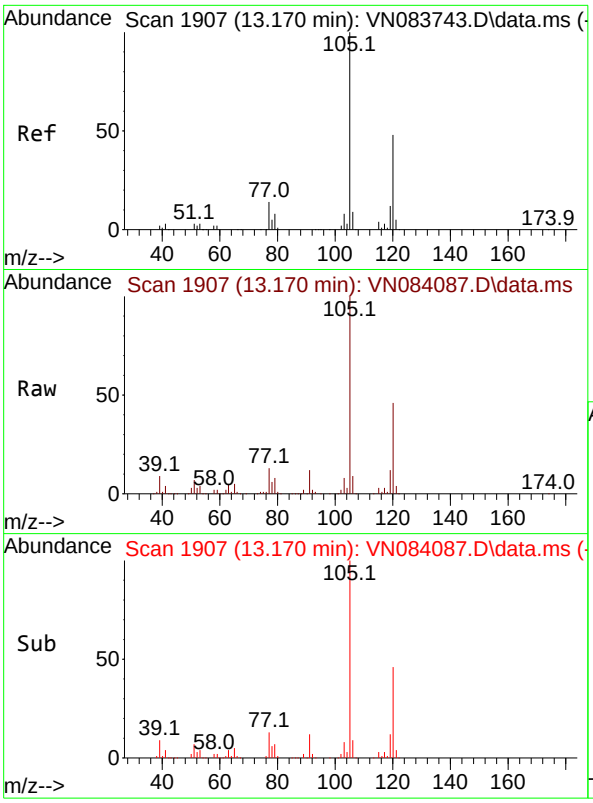


#78
n-propylbenzene
Concen: 40.686 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion: 91 Resp: 380891

Ion	Ratio	Lower	Upper
91	100		
120	21.1	11.0	33.0





#80
1,3,5-Trimethylbenzene
Concen: 30.355 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

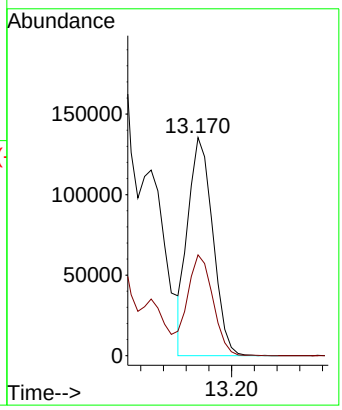
Tgt Ion:105 Resp: 20591

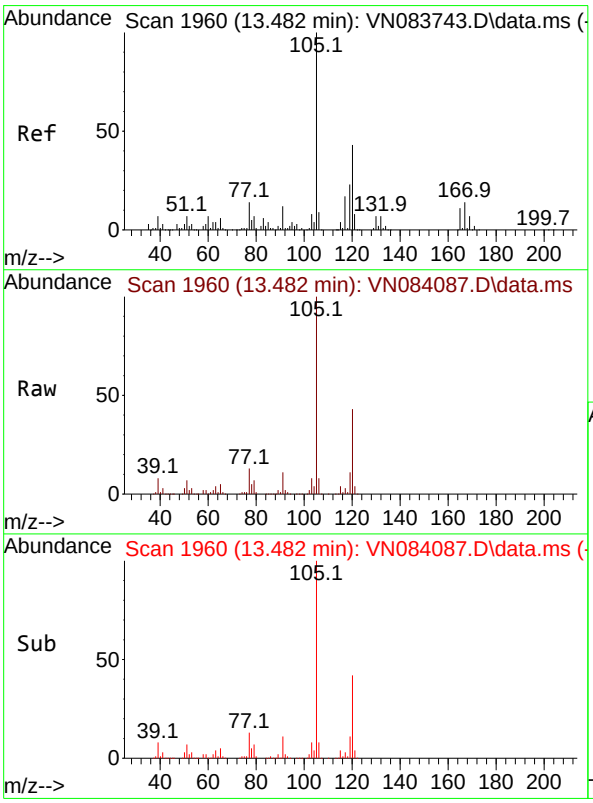
Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.4	70.3

Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

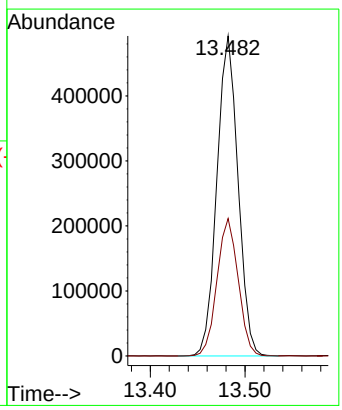


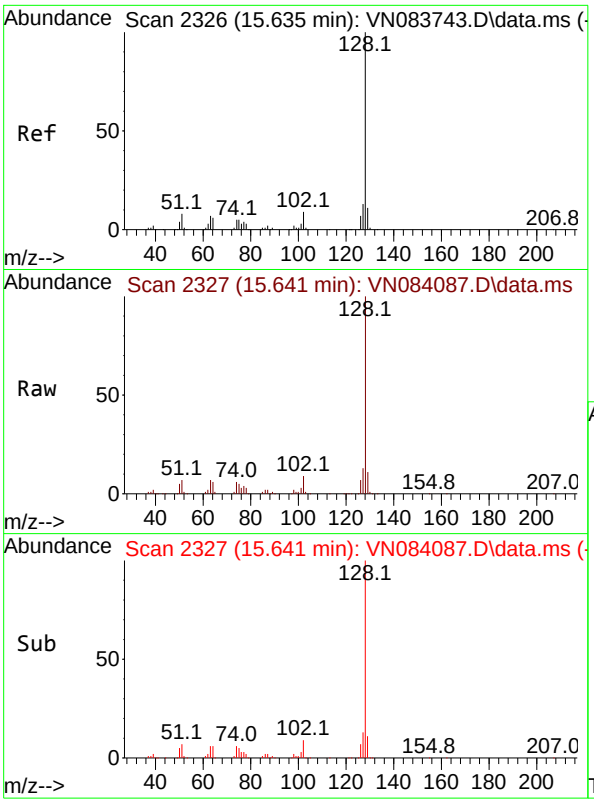


#84
1,2,4-Trimethylbenzene
Concen: 111.827 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion:105 Resp: 762013

Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.8	65.4

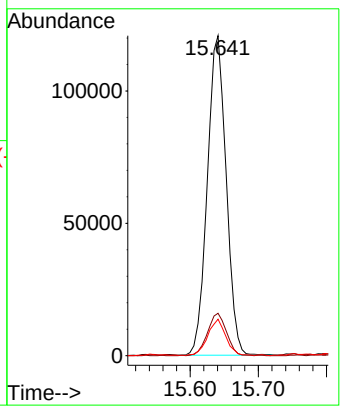




#95
Naphthalene
Concen: 40.353 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084087.D
Acq: 21 Sep 2024 03:47

Tgt Ion:128 Resp: 23240

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	11.1	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
WC-14-5-7.5B

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Raw Data: **VN084088.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-7.5-10A	SDG No.:	P4103
Lab Sample ID:	P4103-11	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084088.D	1		09/21/24 04:11	VN092024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	18.5	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
108-88-3	Toluene	2.50	J	0.18	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	5.00	ug/L
1330-20-7	Total Xylenes	1.50	J	0.45	15.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	55.2		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.23			
540-36-3	1,4-Difluorobenzene	286000	9.1			
3114-55-4	Chlorobenzene-d5	245000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.794			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084088.D
Acq On : 21 Sep 2024 04:11
Operator : JC\MD
Sample : P4103-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 21 05:25:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-14-7.5-10A

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.230	168	166887	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	286118	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	245222	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106447	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	125998	50.070	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.140%				
35) Dibromofluoromethane	8.165	113	92314	50.398	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.800%				
50) Toluene-d8	10.565	98	349553	55.202	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.400%				
62) 4-Bromofluorobenzene	12.847	95	125725	48.124	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.240%				
Target Compounds							Qvalue
16) Acetone	4.430	43	69446	68.842	ug/l		99
20) Methylene Chloride	5.283	84	5037	2.440	ug/l		96
25) 2-Butanone	7.494	43	24520	18.494	ug/l	#	87
31) Cyclohexane	8.253	56	12531	3.445	ug/l		87
39) Methylcyclohexane	9.600	83	5302	1.690	ug/l	#	92
43) Isopropyl Acetate	8.688	43	115883m	25.554	ug/l		
52) Toluene	10.629	92	12516	2.466	ug/l		89
68) m/p-Xylenes	12.065	106	5412	1.506	ug/l		94
73) Isopropylbenzene	12.694	105	27454	3.334	ug/l		100
78) n-propylbenzene	13.035	91	47324	4.939	ug/l		100
85) sec-Butylbenzene	13.617	105	23833	2.958	ug/l		97
89) n-Butylbenzene	14.053	91	14130	2.330	ug/l		97
95) Naphthalene	15.641	128	10963	1.860	ug/l	#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084088.D**

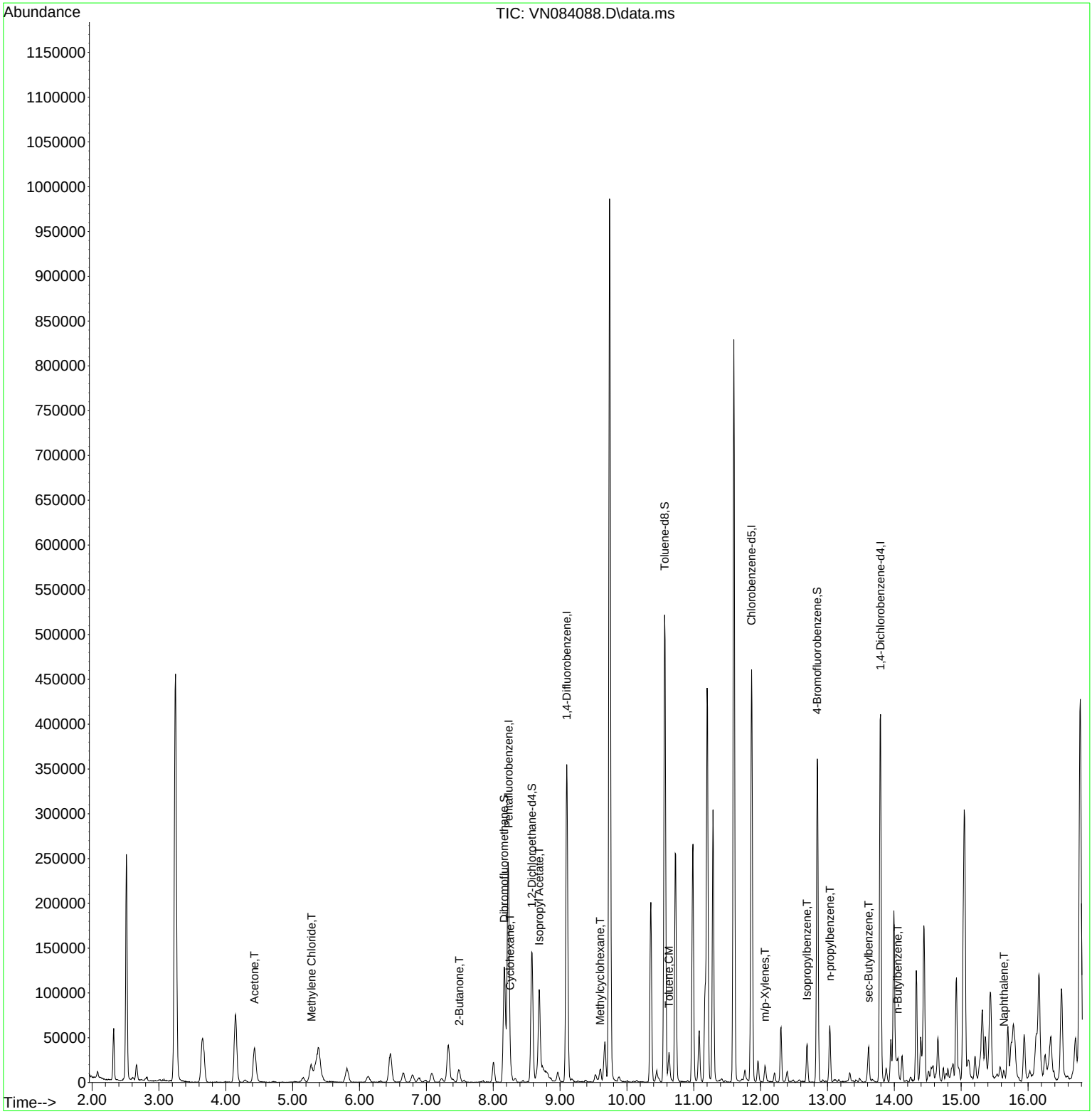
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084088.D
Acq On : 21 Sep 2024 04:11
Operator : JC\MD
Sample : P4103-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 37 Sample Multiplier: 1

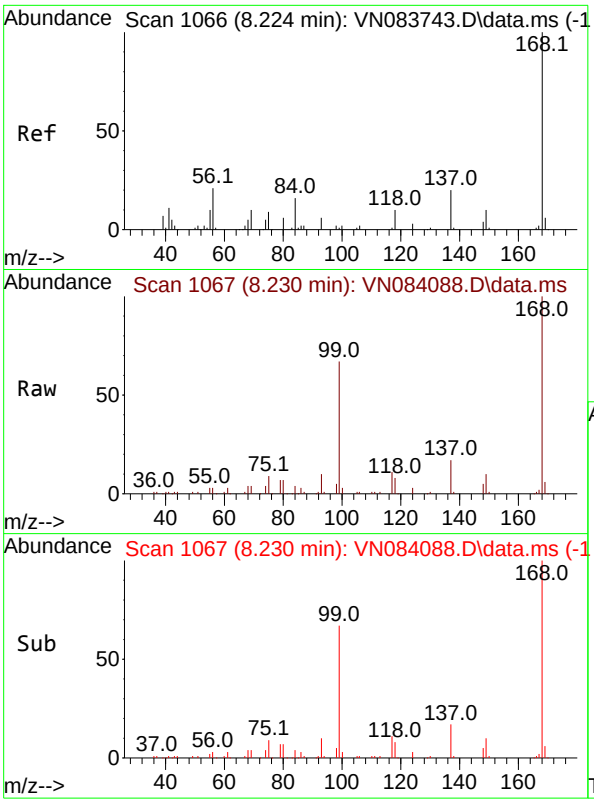
Quant Time: Sep 21 05:25:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-14-7.5-10A

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

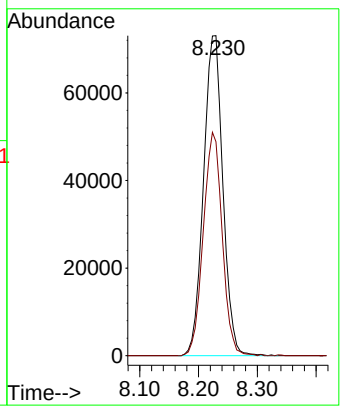




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion:168 Resp: 16688

Ion	Ratio	Lower	Upper
168	100		
99	66.8	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
WC-14-7.5-10A

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2024
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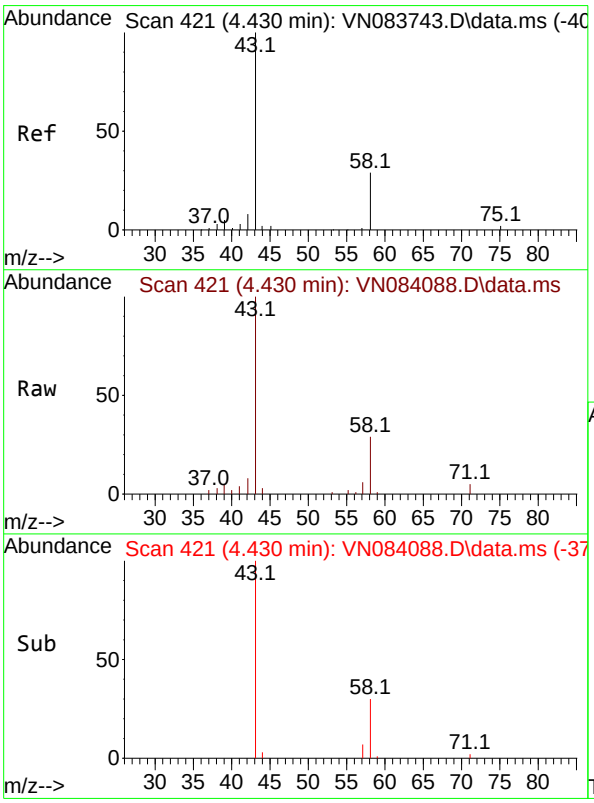
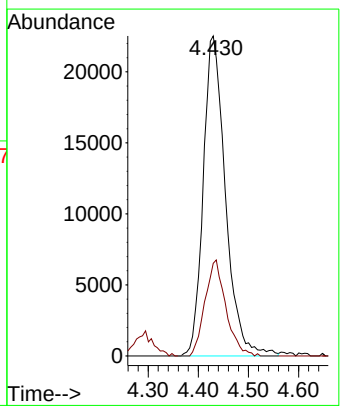
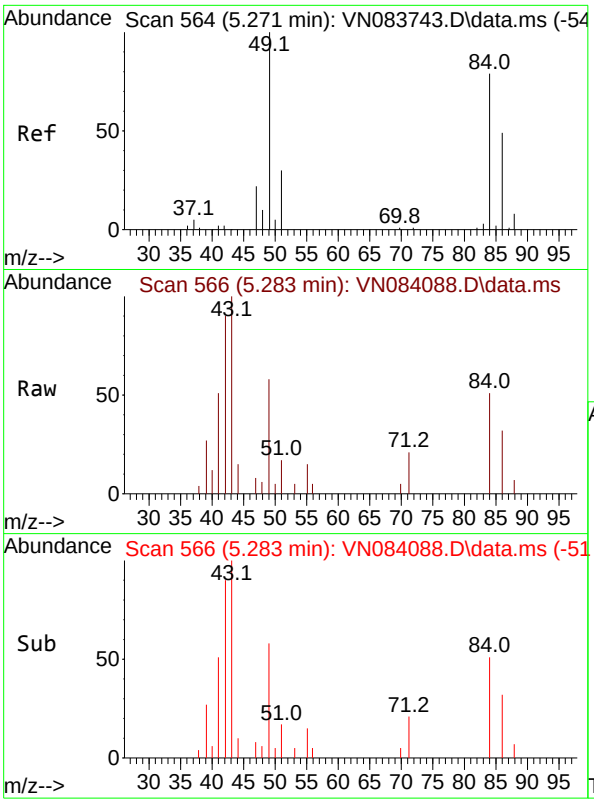


#16
Acetone
Concen: 68.842 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 43 Resp: 69446

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.7	35.5

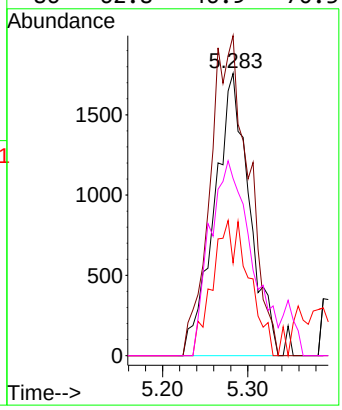




#20
Methylene Chloride
Concen: 2.440 ug/l
RT: 5.283 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 84 Resp: 503

Ion	Ratio	Lower	Upper
84	100		
49	113.4	93.4	140.0
51	32.9	29.2	43.8
86	62.8	46.9	70.3



Instrument :
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ClientSampleId :
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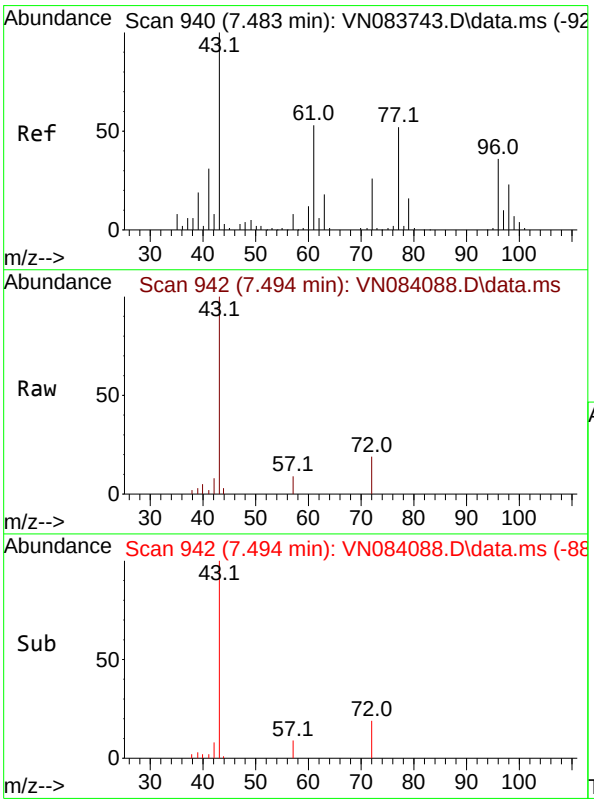
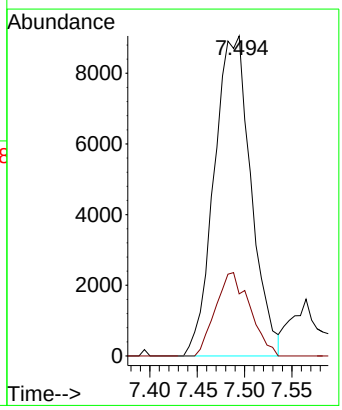
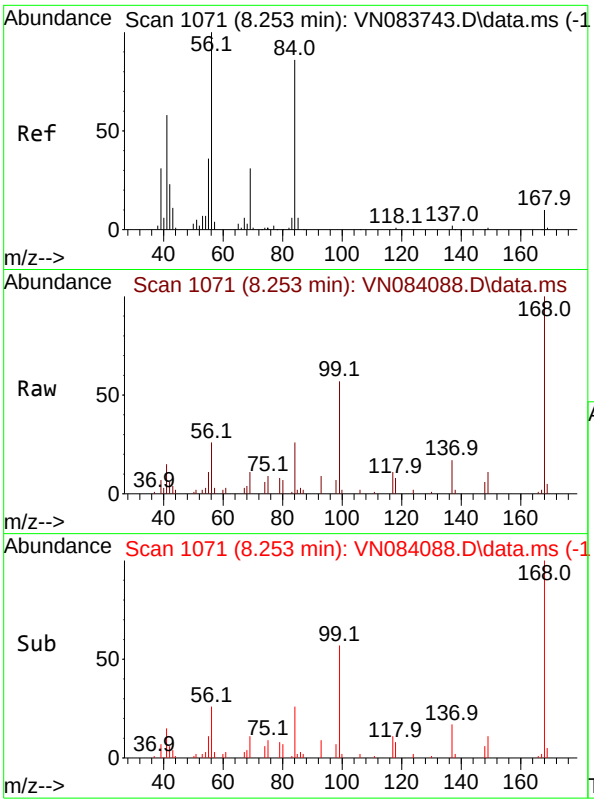


#25
2-Butanone
Concen: 18.494 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 43 Resp: 24520

Ion	Ratio	Lower	Upper
43	100		
72	19.4	20.8	31.2#

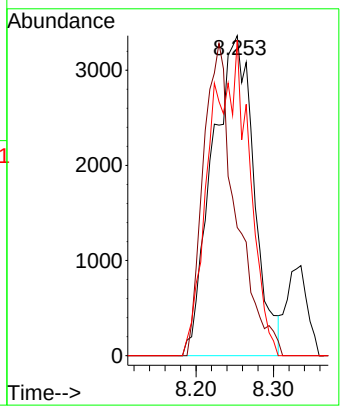




#31
Cyclohexane
Concen: 3.445 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 56 Resp: 1253

Ion	Ratio	Lower	Upper
56	100		
69	40.1	26.9	40.3
84	98.6	69.2	103.8



Instrument :
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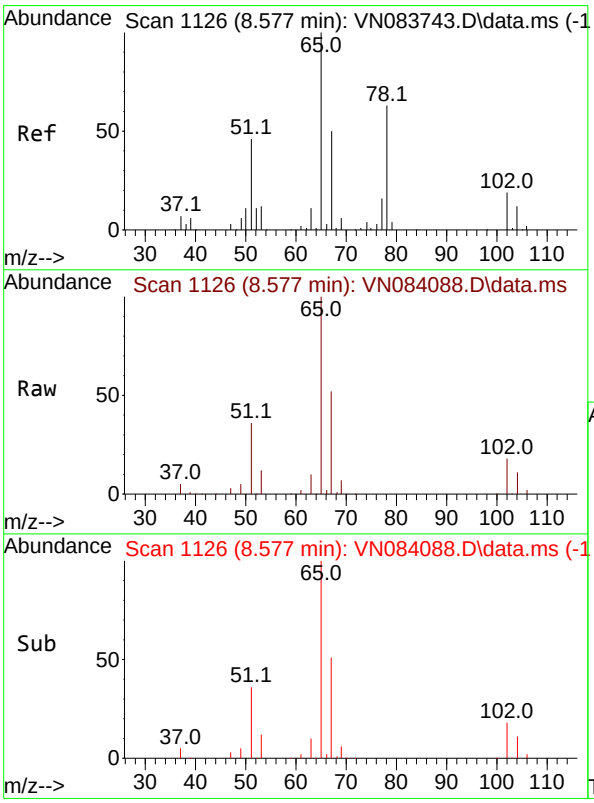
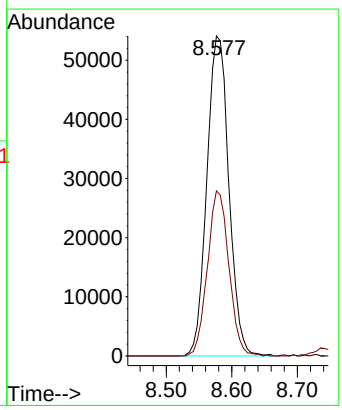
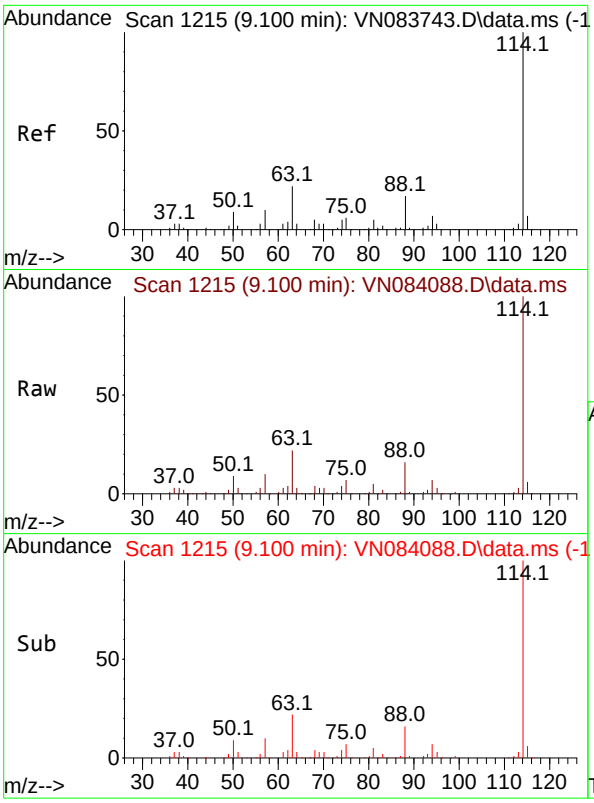


#33
1,2-Dichloroethane-d4
Concen: 50.070 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 65 Resp: 125998

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion:114 Resp: 28611

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.4
88	15.7	0.0	32.6

Instrument :
MSVOA_N
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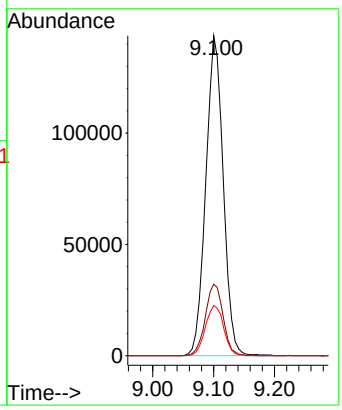
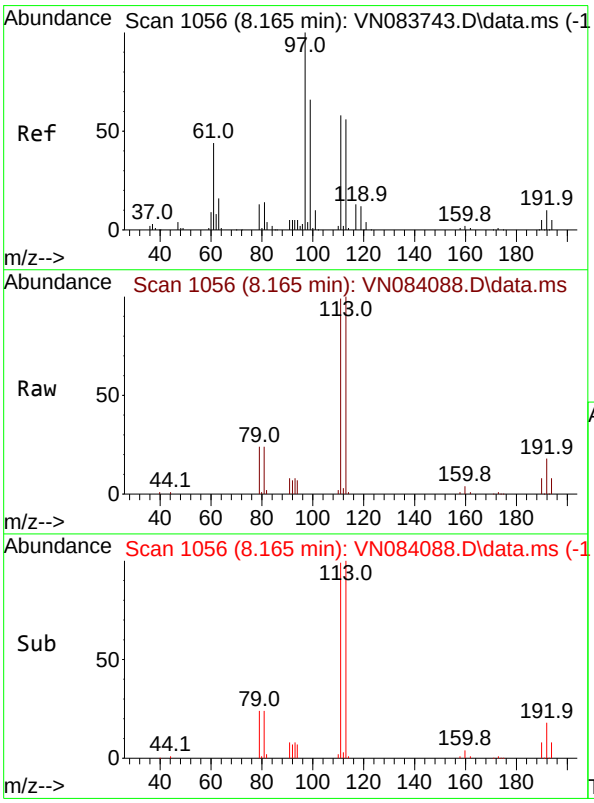
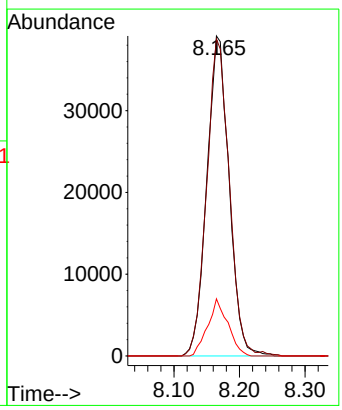


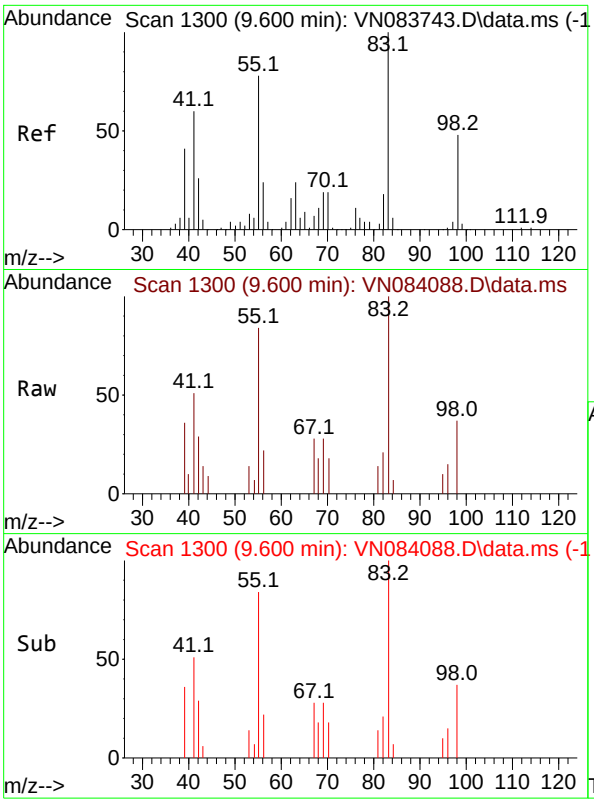


#35
Dibromofluoromethane
Concen: 50.398 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion:113 Resp: 92314

Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.6	124.0
192	16.2	14.3	21.5

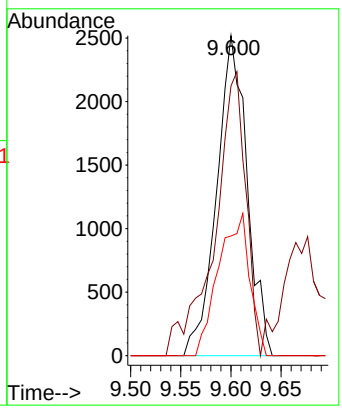




#39
Methylcyclohexane
Concen: 1.690 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 83 Resp: 530

Ion	Ratio	Lower	Upper
83	100		
55	73.6	62.2	93.4
98	37.4	37.6	56.4#



Instrument :
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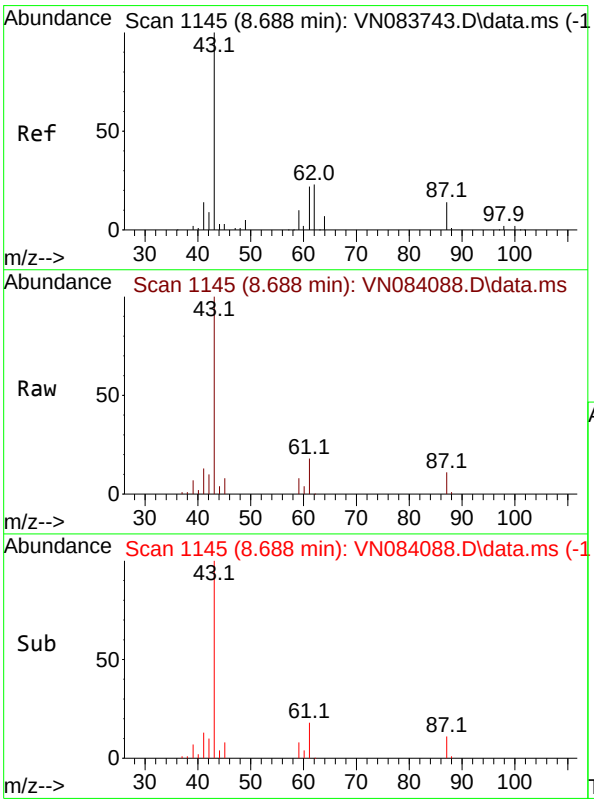
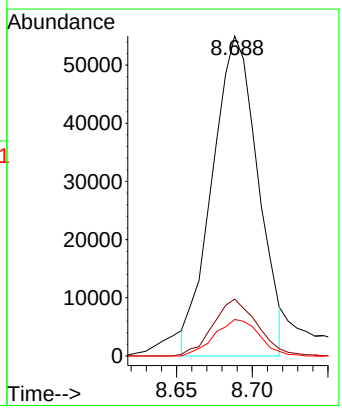
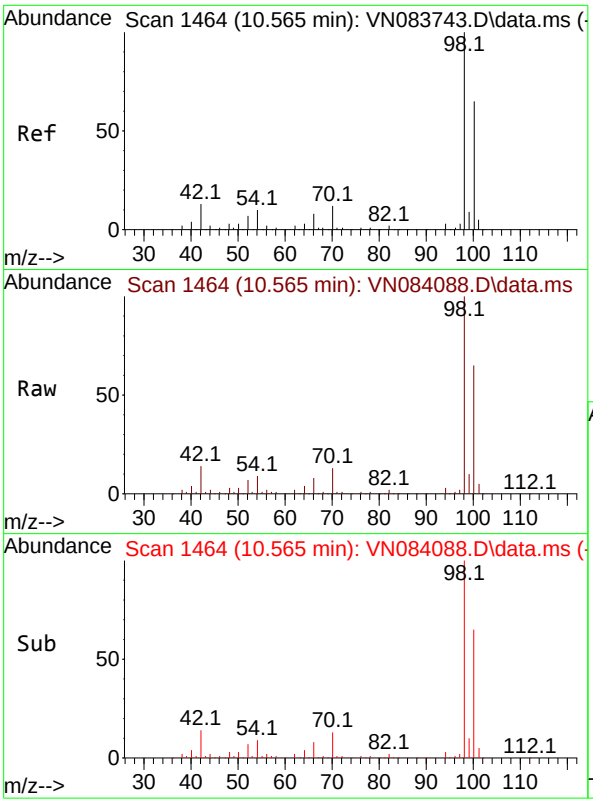


#43
Isopropyl Acetate
Concen: 25.554 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 43 Resp: 115883

Ion	Ratio	Lower	Upper
43	100		
61	17.2	19.4	29.0#
87	11.1	9.8	14.6





#50
Toluene-d8
Concen: 55.202 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 98 Resp: 34955

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0

Instrument :
MSVOA_N
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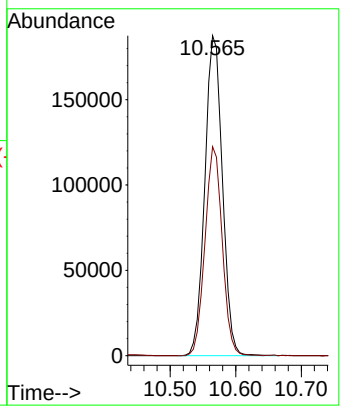
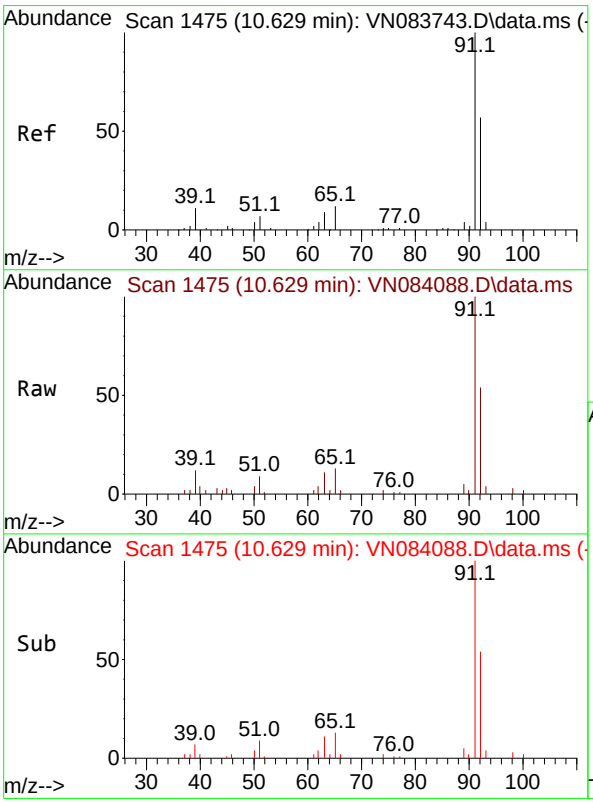
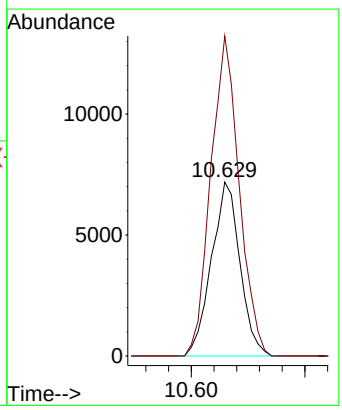


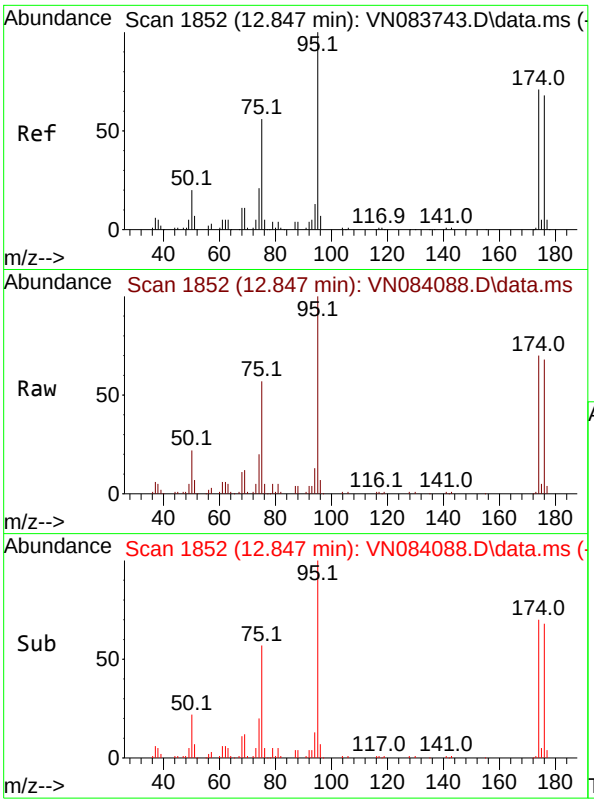


#52
Toluene
Concen: 2.466 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 92 Resp: 12516

Ion	Ratio	Lower	Upper
92	100		
91	183.3	134.7	202.1

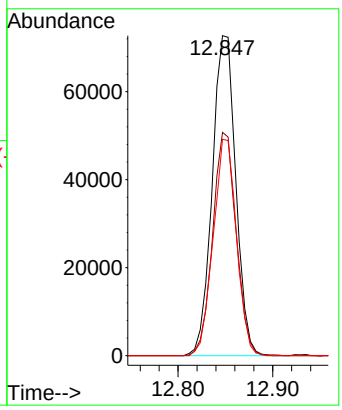




#62
4-Bromofluorobenzene
Concen: 48.124 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 95 Resp: 12572

Ion	Ratio	Lower	Upper
95	100		
174	69.7	0.0	139.8
176	66.9	0.0	131.4



Instrument :
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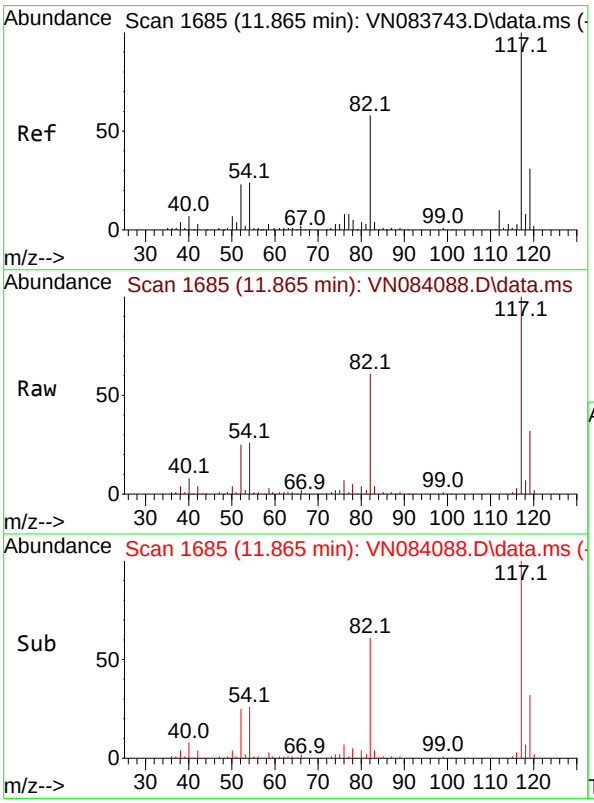
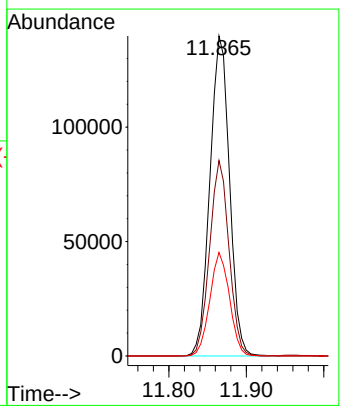
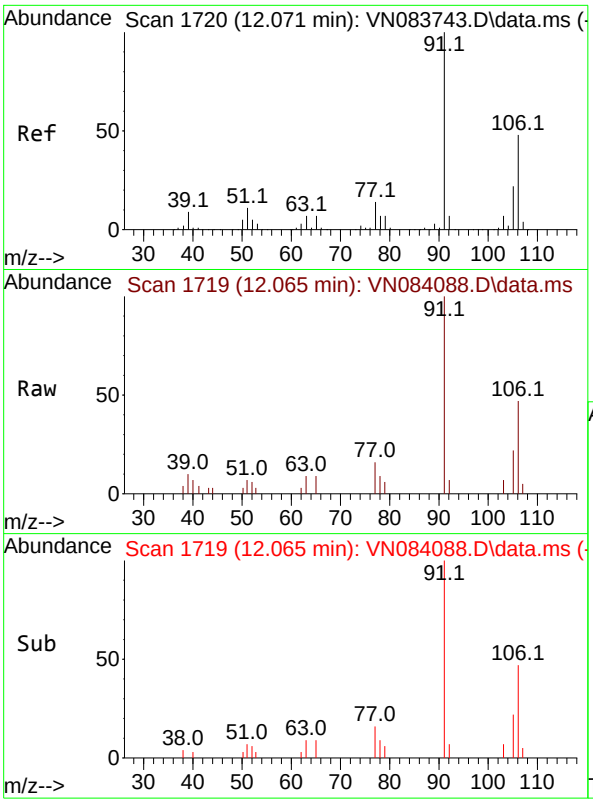


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion:117 Resp: 245222

Ion	Ratio	Lower	Upper
117	100		
82	61.1	47.4	71.0
119	32.3	26.3	39.5





#68
m/p-Xylenes
Concen: 1.506 ug/l
RT: 12.065 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion:106 Resp: 541

Ion	Ratio	Lower	Upper
106	100		
91	220.8	169.2	253.8

Instrument :
MSVOA_N
ClientSampleId :
WC-14-7.5-10A

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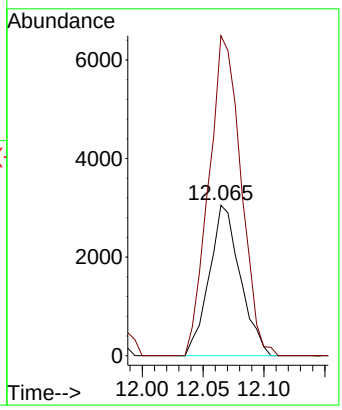
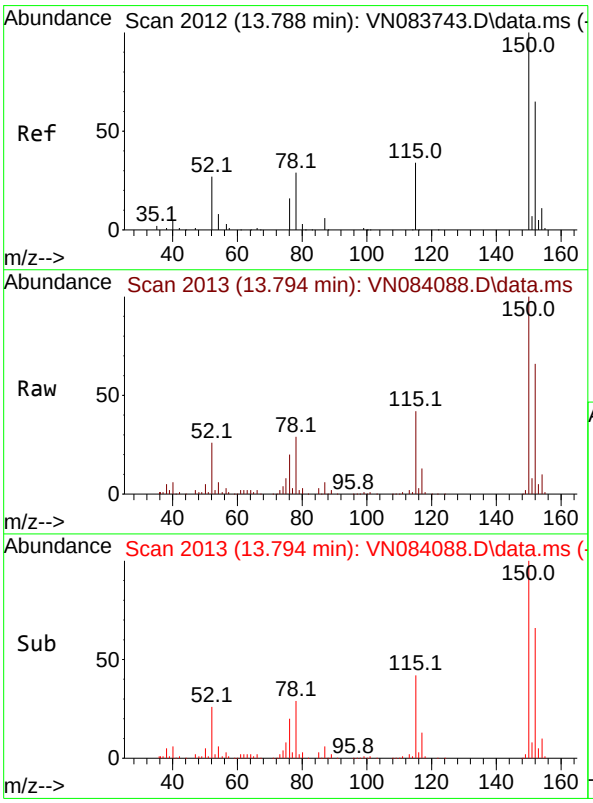
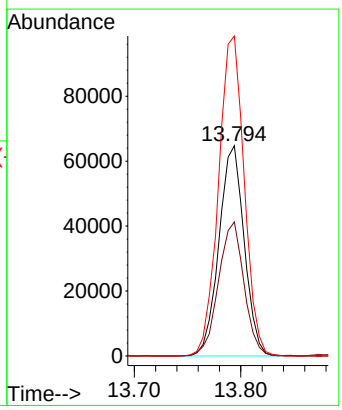


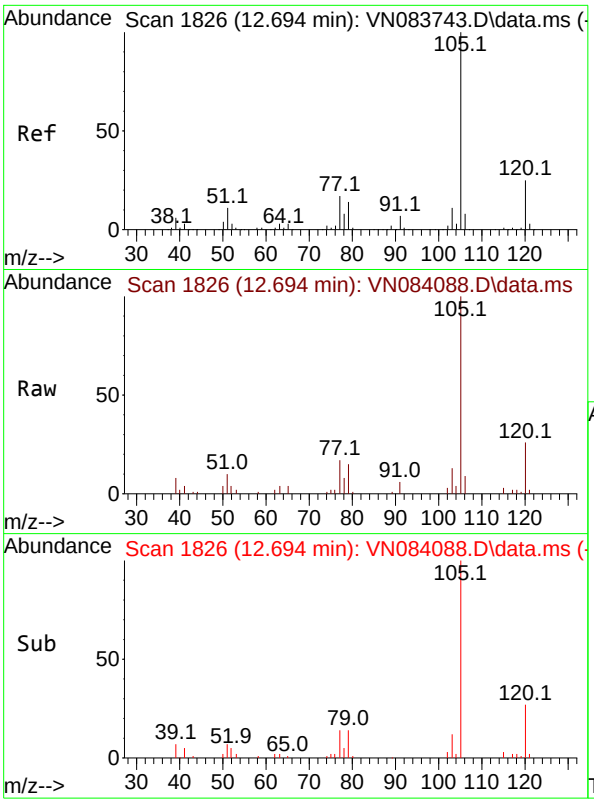


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion:152 Resp: 106447

Ion	Ratio	Lower	Upper
152	100		
115	64.6	32.2	96.6
150	155.2	0.0	348.6

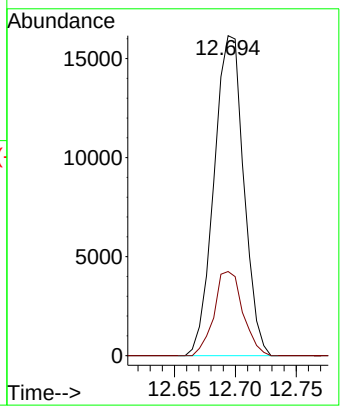




#73
Isopropylbenzene
Concen: 3.334 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion:105 Resp: 2745

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.6	37.8



Instrument :
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ClientSampleId :
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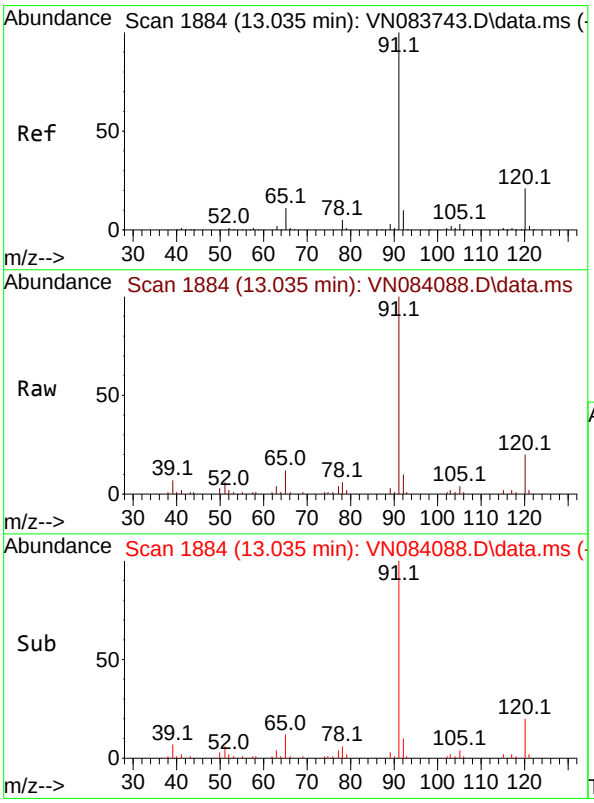
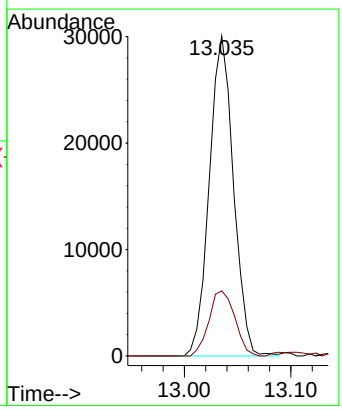
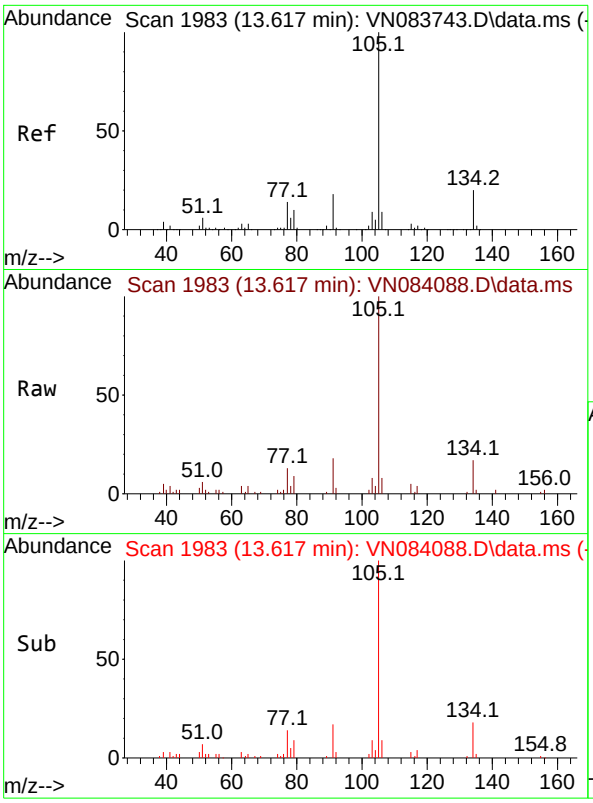


#78
n-propylbenzene
Concen: 4.939 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 91 Resp: 47324

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.0	33.0





#85
sec-Butylbenzene
Concen: 2.958 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion:105 Resp: 2383

Ion	Ratio	Lower	Upper
105	100		
134	20.7	9.7	29.1

Instrument :
MSVOA_N
ClientSampleId :
WC-14-7.5-10A

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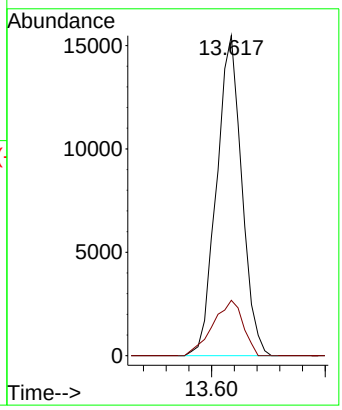
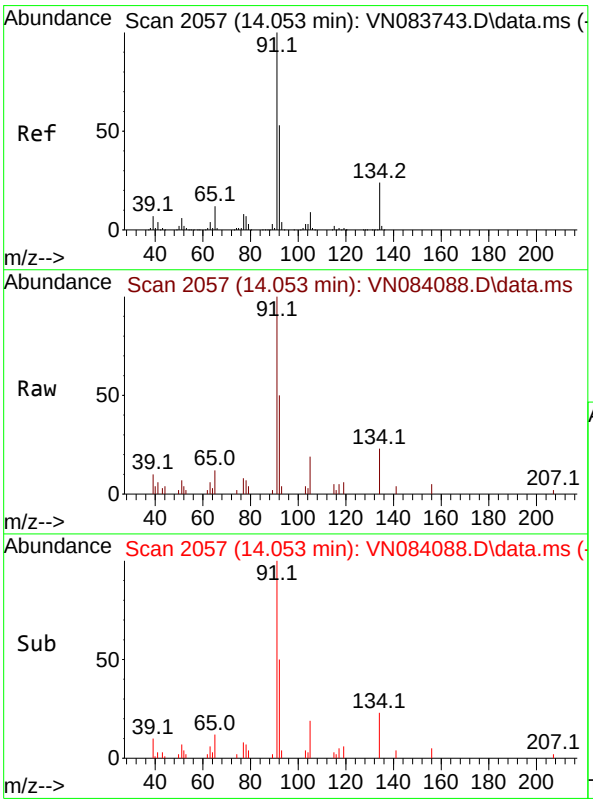
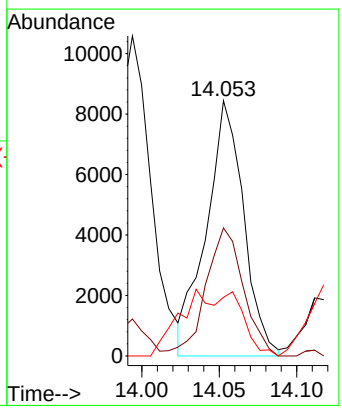


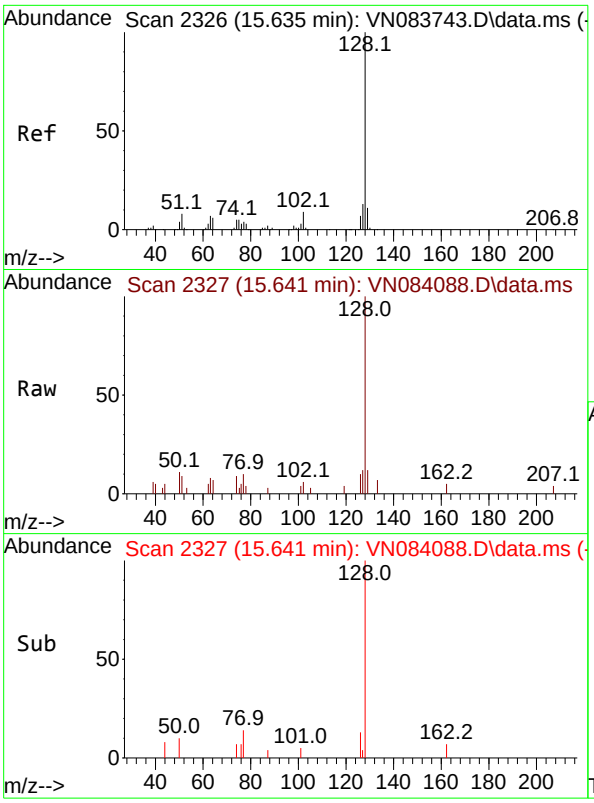


#89
n-Butylbenzene
Concen: 2.330 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion: 91 Resp: 14130

Ion	Ratio	Lower	Upper
91	100		
92	50.2	26.7	80.1
134	24.2	12.2	36.4

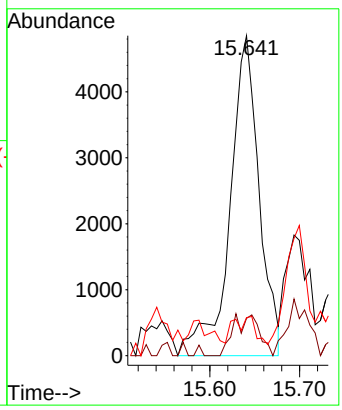




#95
Naphthalene
Concen: 1.860 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084088.D
Acq: 21 Sep 2024 04:11

Tgt Ion:128 Resp: 1096

Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.2	15.2
129	2.9	8.7	13.1#



Instrument :
MSVOA_N
ClientSampleId :
WC-14-7.5-10A

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Raw Data: **VN084089.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-7.5-10B	SDG No.:	P4103
Lab Sample ID:	P4103-14	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084089.D	1		09/21/24 04:35	VN092024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	10.3	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
108-88-3	Toluene	2.10	J	0.18	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	5.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	15.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	55.2		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	8.224			
540-36-3	1,4-Difluorobenzene	284000	9.1			
3114-55-4	Chlorobenzene-d5	248000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.794			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084089.D
Acq On : 21 Sep 2024 04:35
Operator : JC\MD
Sample : P4103-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 21 05:56:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-14-7.5-10B

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	108316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	125229	50.259	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.520%			
35) Dibromofluoromethane	8.165	113	90111	49.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.960%			
50) Toluene-d8	10.565	98	347258	55.158	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.320%			
62) 4-Bromofluorobenzene	12.847	95	125607	48.358	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.720%			
Target Compounds						Qvalue
16) Acetone	4.430	43	53582	53.643	ug/l	96
20) Methylene Chloride	5.277	84	4430	2.167	ug/l #	76
25) 2-Butanone	7.494	43	13470	10.260	ug/l	95
43) Isopropyl Acetate	8.688	43	130215m	28.881	ug/l	
52) Toluene	10.623	92	10723	2.125	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084089.D
Acq On : 21 Sep 2024 04:35
Operator : JC\MD
Sample : P4103-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 21 05:56:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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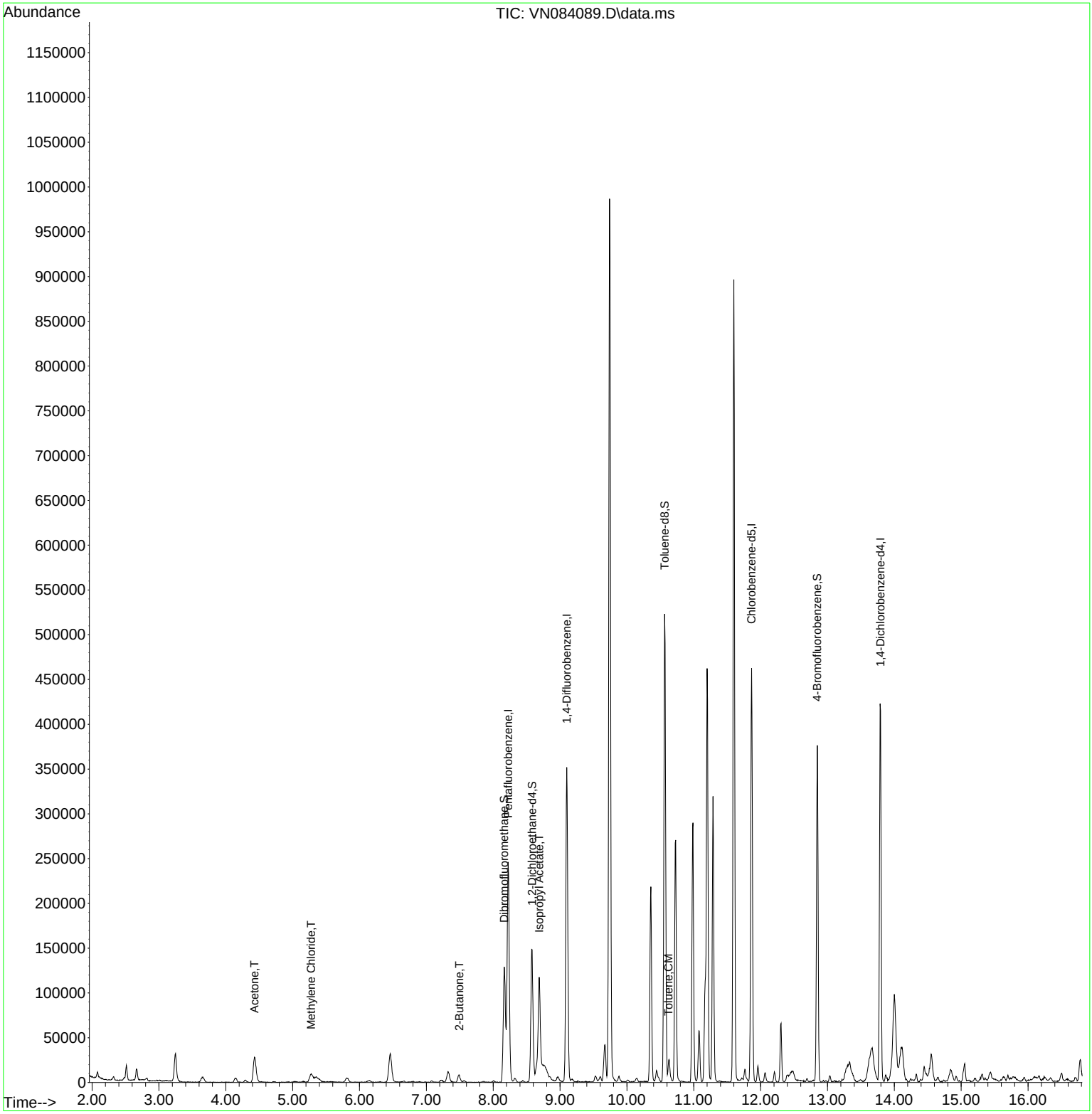

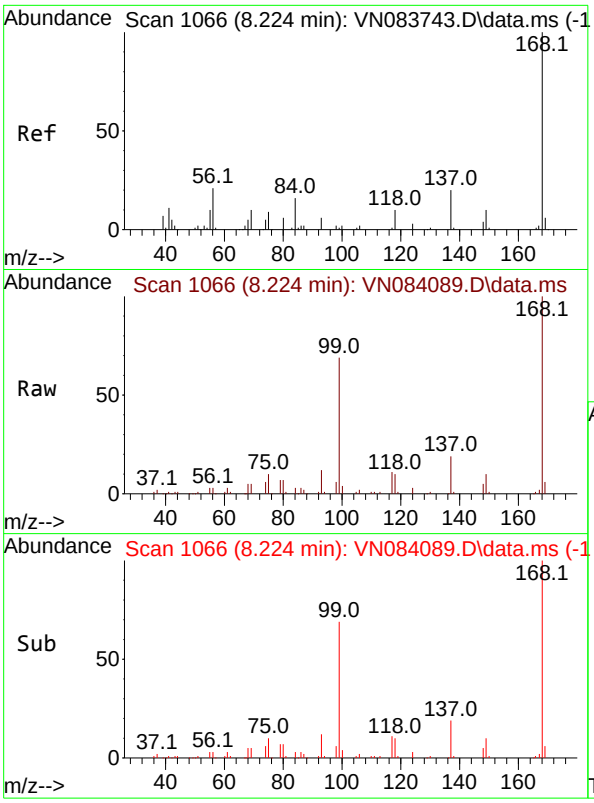

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion:168 Resp: 16524

Ion	Ratio	Lower	Upper
168	100		
99	69.3	54.2	81.2

Instrument :
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WC-14-7.5-10B

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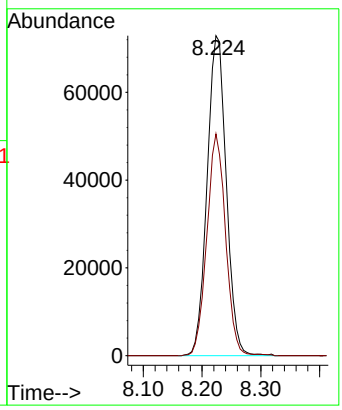
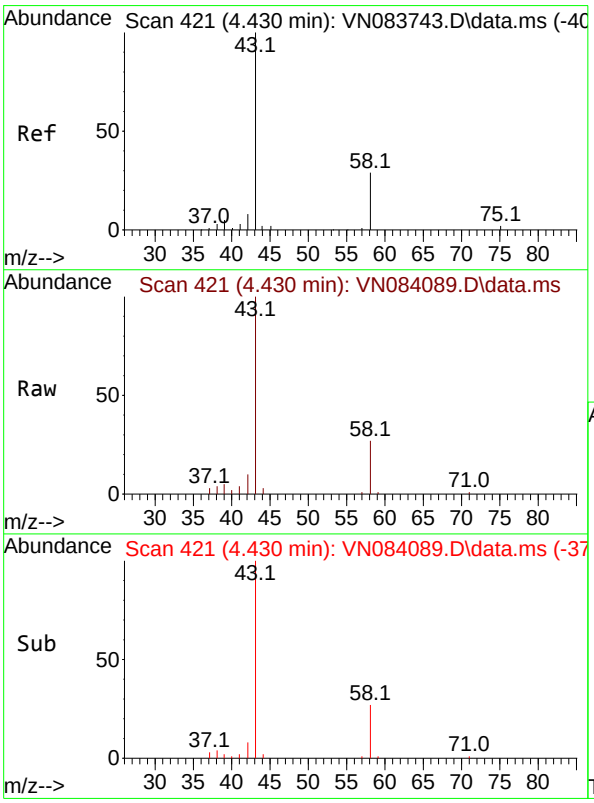
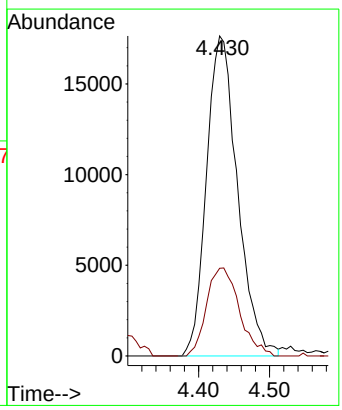


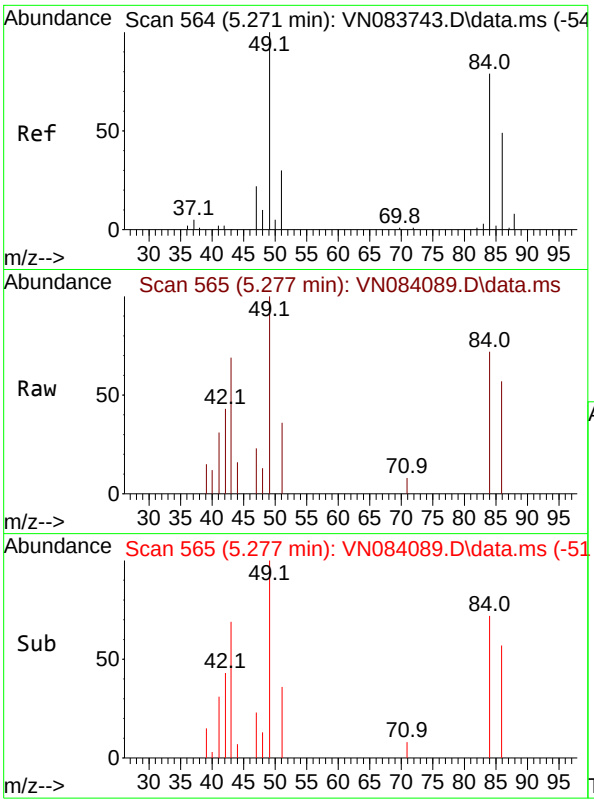


#16
Acetone
Concen: 53.643 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion: 43 Resp: 53582

Ion	Ratio	Lower	Upper
43	100		
58	27.4	23.7	35.5

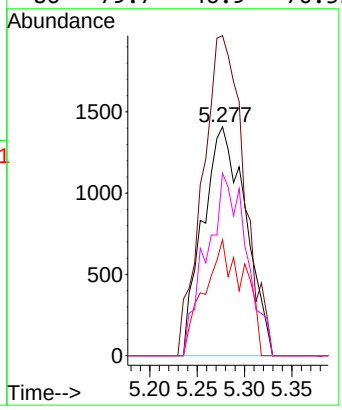




#20
Methylene Chloride
Concen: 2.167 ug/l
RT: 5.277 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion: 84 Resp: 443

Ion	Ratio	Lower	Upper
84	100		
49	139.8	93.4	140.0
51	50.6	29.2	43.8#
86	79.7	46.9	70.3#



Instrument :
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ClientSampleId :
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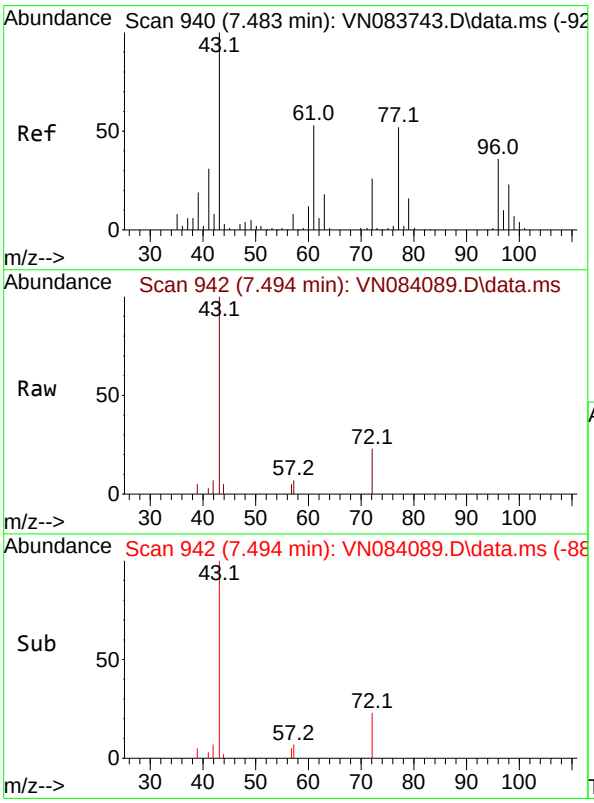
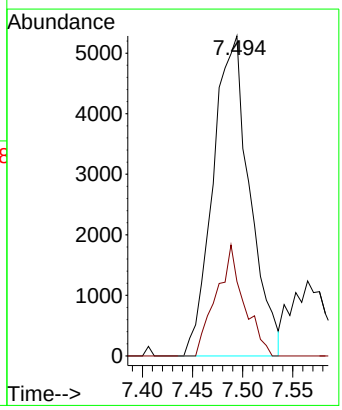
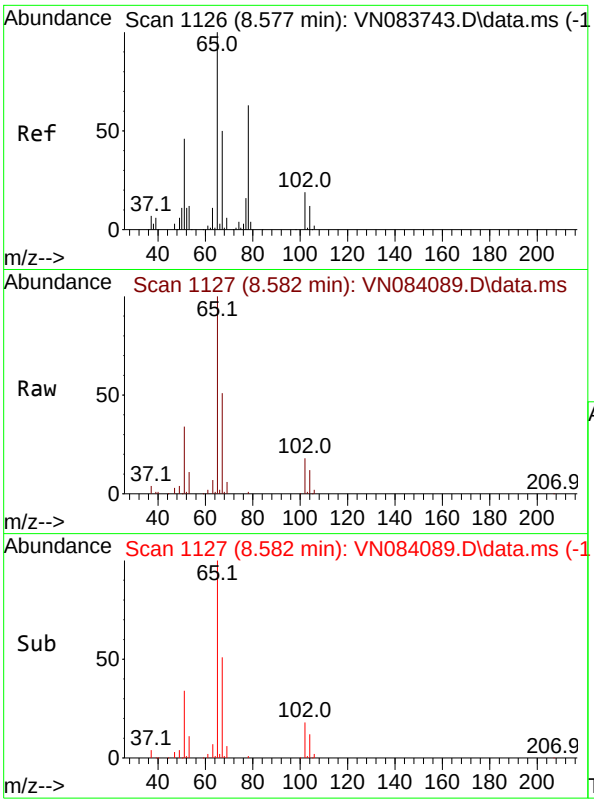


#25
2-Butanone
Concen: 10.260 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion: 43 Resp: 13470

Ion	Ratio	Lower	Upper
43	100		
72	23.3	20.8	31.2





#33
1,2-Dichloroethane-d4
Concen: 50.259 ug/l
RT: 8.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion: 65 Resp: 12522

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8

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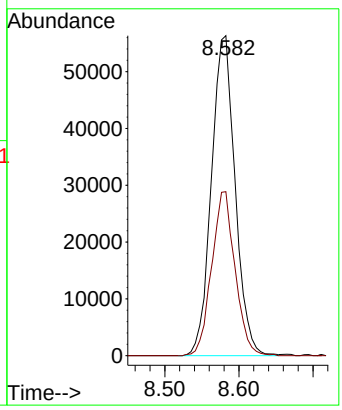
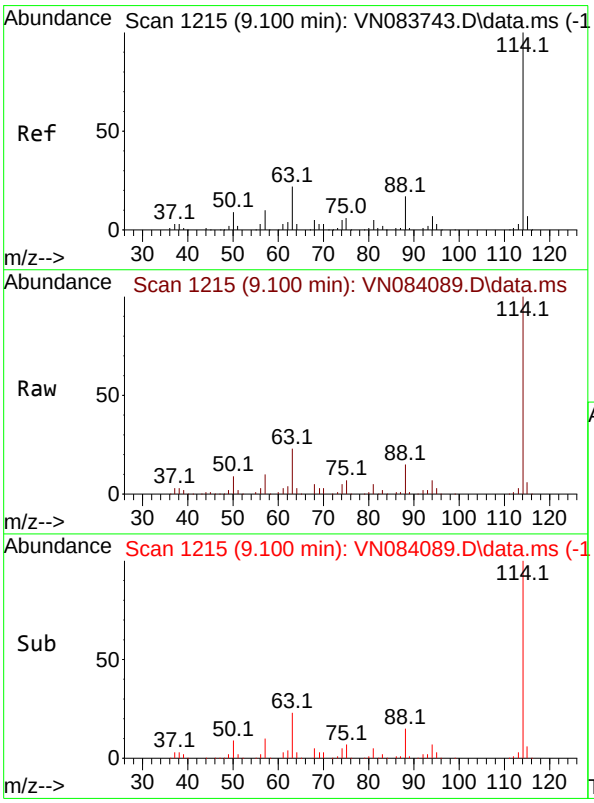
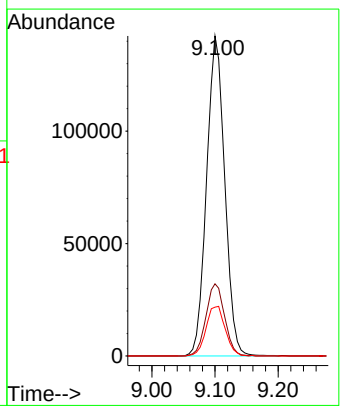


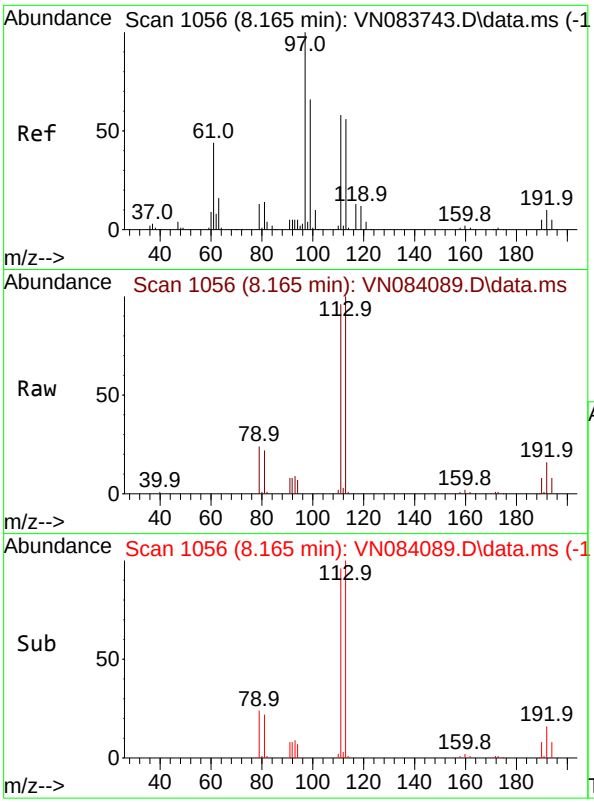


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion:114 Resp: 284466

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.4
88	15.2	0.0	32.6

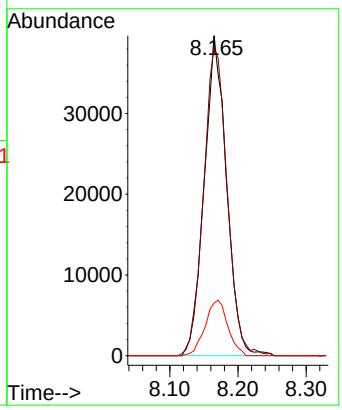




#35
Dibromofluoromethane
Concen: 49.481 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion:113 Resp: 9011

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	124.0
192	17.6	14.3	21.5



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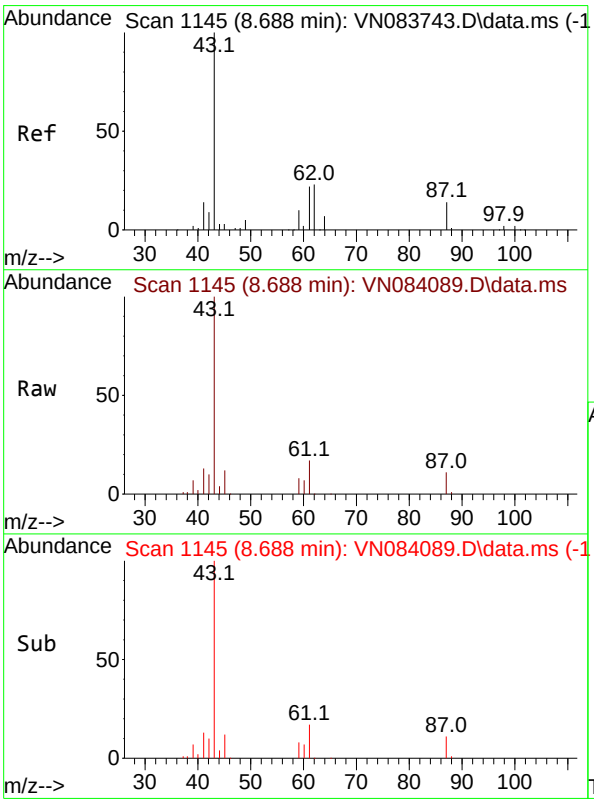
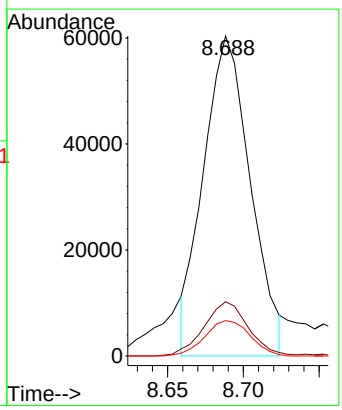
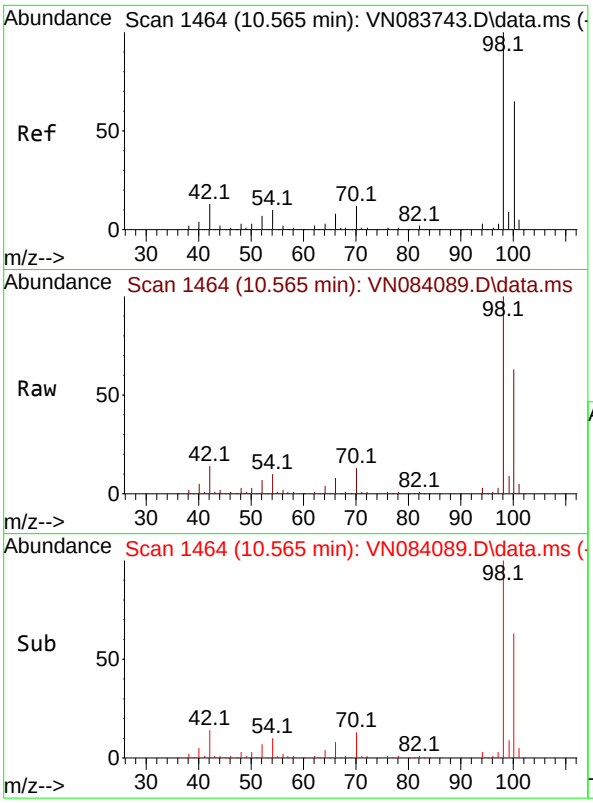


#43
Isopropyl Acetate
Concen: 28.881 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion: 43 Resp: 130215

Ion	Ratio	Lower	Upper
43	100		
61	16.0	19.4	29.0#
87	10.7	9.8	14.6





#50
Toluene-d8
Concen: 55.158 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion: 98 Resp: 34725

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

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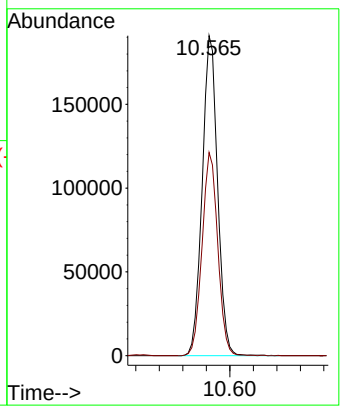
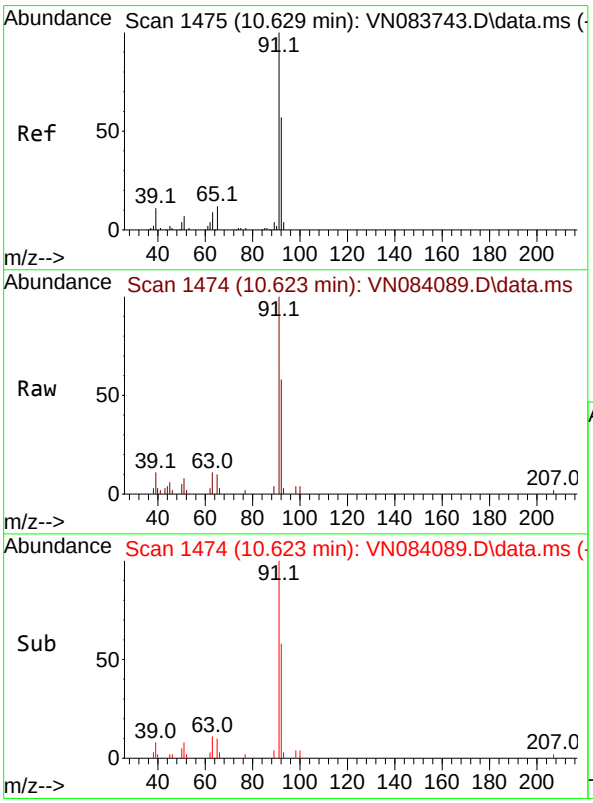
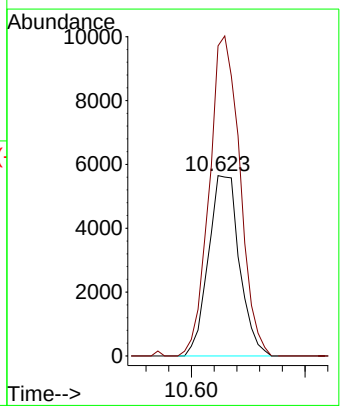


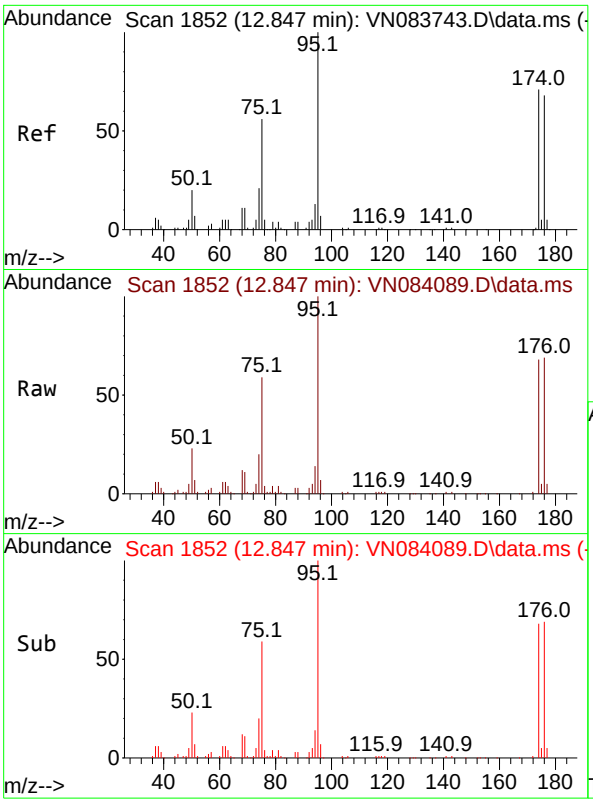


#52
Toluene
Concen: 2.125 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion: 92 Resp: 10723

Ion	Ratio	Lower	Upper
92	100		
91	175.1	134.7	202.1

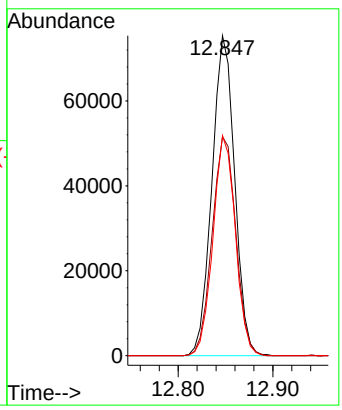




#62
4-Bromofluorobenzene
Concen: 48.358 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion: 95 Resp: 12560

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	139.8
176	67.7	0.0	131.4



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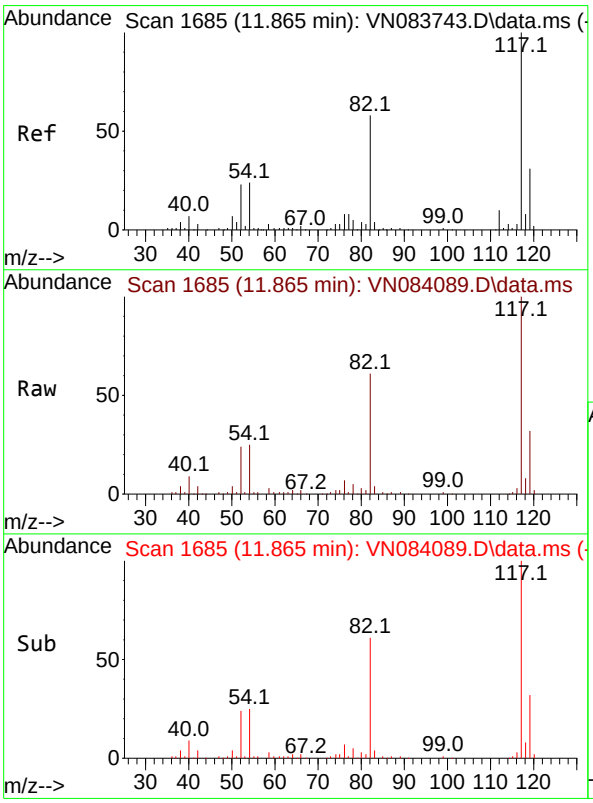
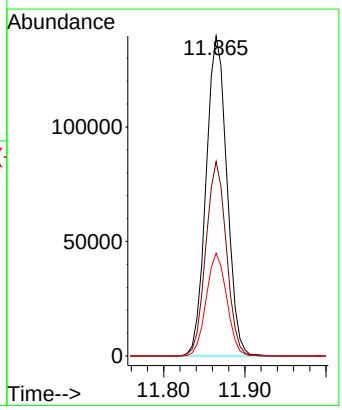
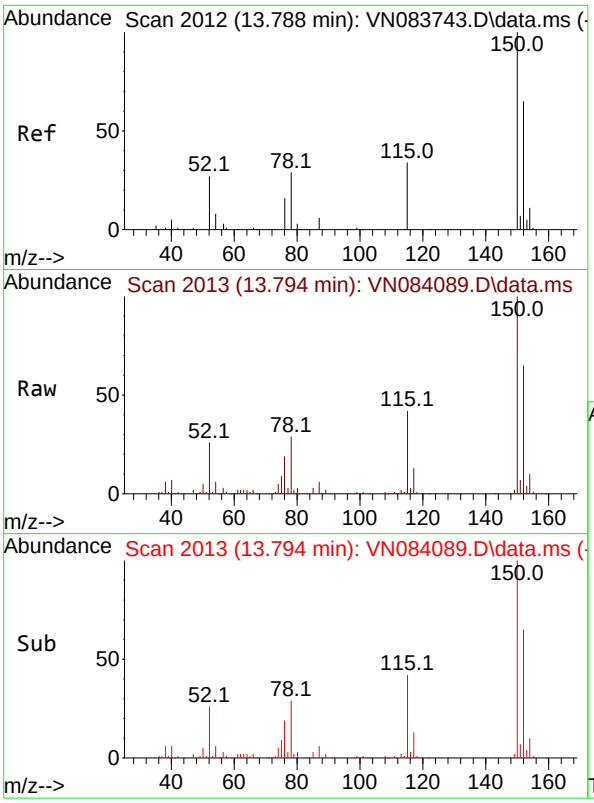


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion:117 Resp: 248483

Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.4	71.0
119	32.1	26.3	39.5

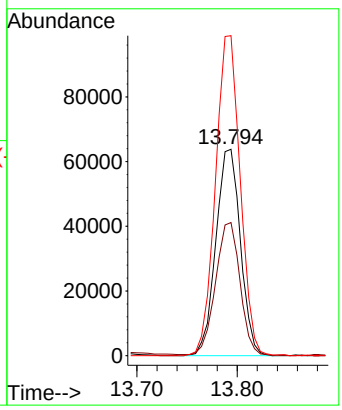




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084089.D
Acq: 21 Sep 2024 04:35

Tgt Ion:152 Resp: 10831

Ion	Ratio	Lower	Upper
152	100		
115	64.7	32.2	96.6
150	156.2	0.0	348.6



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Raw Data: **VN084090.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-23	SDG No.:	P4103
Lab Sample ID:	P4103-17	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084090.D	1		09/21/24 04:59	VN092024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	7.10	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	7.20		0.16	5.00	ug/L
1330-20-7	Total Xylenes	19.6		0.45	15.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	54.9		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	8.224			
540-36-3	1,4-Difluorobenzene	292000	9.1			
3114-55-4	Chlorobenzene-d5	251000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084090.D
Acq On : 21 Sep 2024 04:59
Operator : JC\MD
Sample : P4103-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 21 05:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-23

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127517	50.308	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.620%			
35) Dibromofluoromethane	8.171	113	92978	49.721	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.440%			
50) Toluene-d8	10.565	98	355216	54.947	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.900%			
62) 4-Bromofluorobenzene	12.847	95	128242	48.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.160%			
Target Compounds						Qvalue
16) Acetone	4.436	43	49757	48.968	ug/l	99
20) Methylene Chloride	5.265	84	4521	2.174	ug/l #	91
25) 2-Butanone	7.483	43	9483	7.101	ug/l	99
43) Isopropyl Acetate	8.688	43	147392m	31.836	ug/l	
67) Ethyl Benzene	11.965	91	71509	7.214	ug/l	94
68) m/p-Xylenes	12.065	106	63512	17.258	ug/l	99
69) o-Xylene	12.400	106	8220	2.307	ug/l	96
73) Isopropylbenzene	12.694	105	12842	1.544	ug/l	98
78) n-propylbenzene	13.035	91	38652	3.993	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	23630	3.369	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	87041	12.353	ug/l	99
95) Naphthalene	15.641	128	31385	5.270	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084090.D
Acq On : 21 Sep 2024 04:59
Operator : JC\MD
Sample : P4103-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 21 05:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-23

Manual Integrations APPROVED

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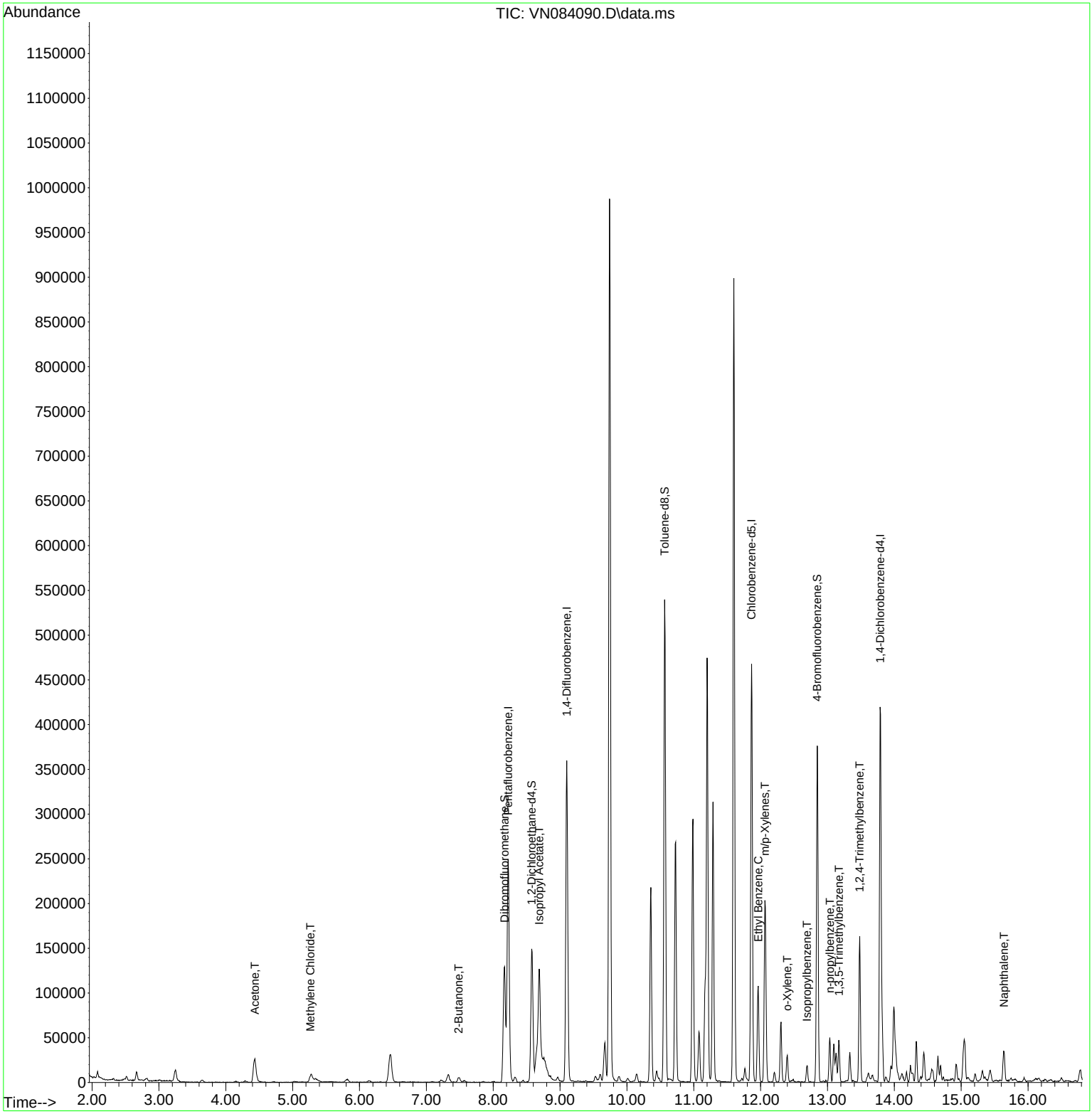
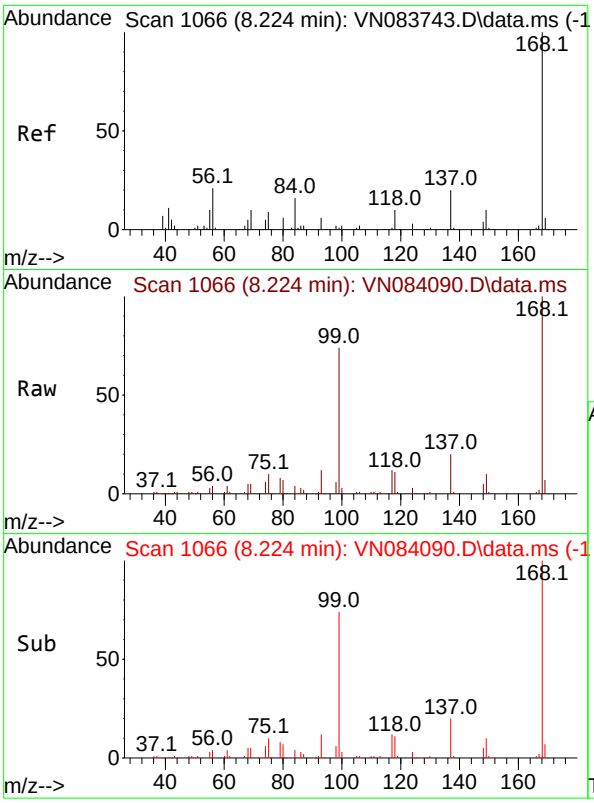
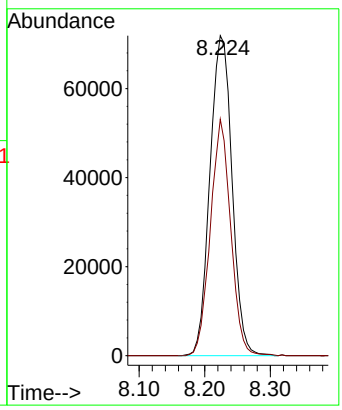




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:168 Resp: 16810

Ion	Ratio	Lower	Upper
168	100		
99	73.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
WC-23

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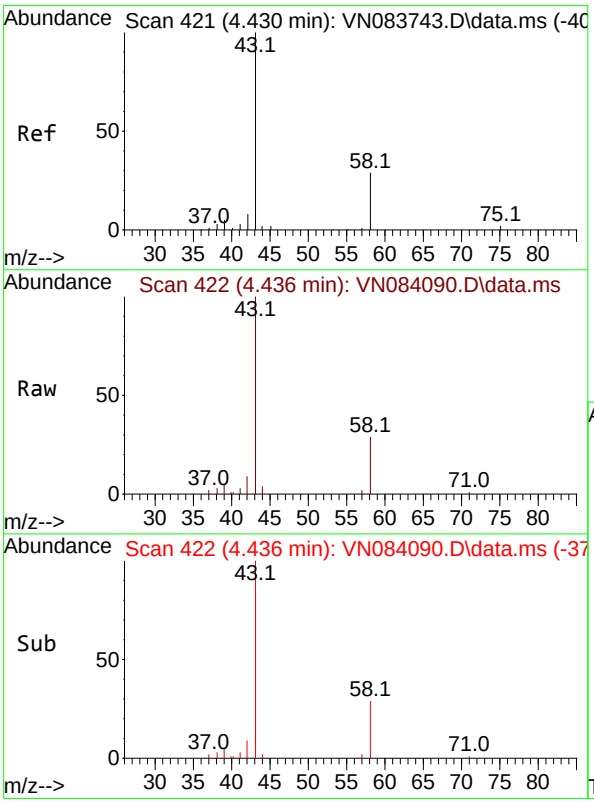
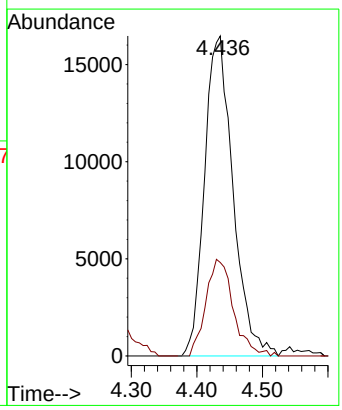
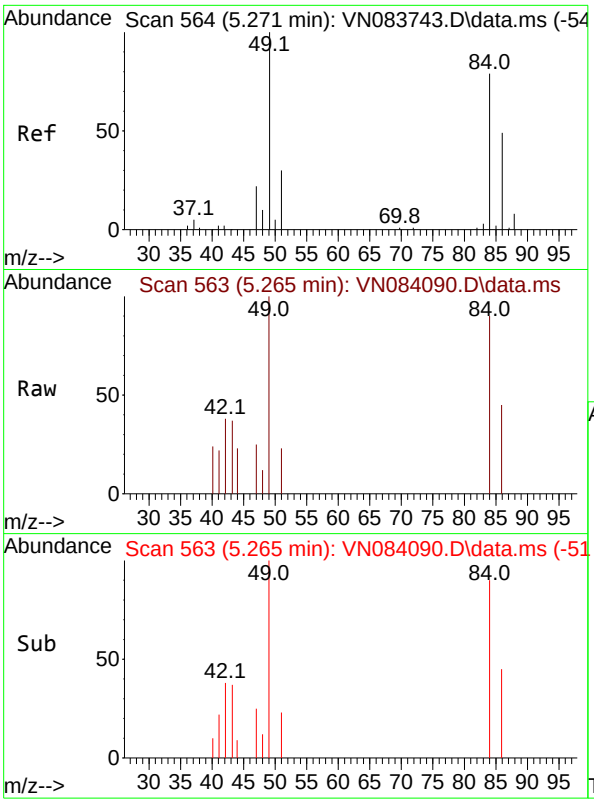


#16
Acetone
Concen: 48.968 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion: 43 Resp: 49757

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.7	35.5

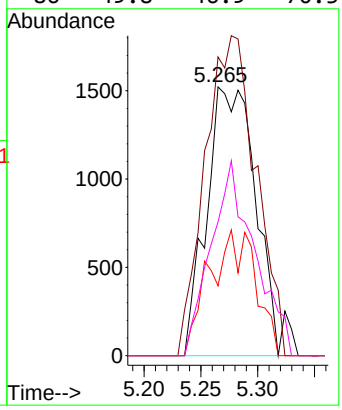




#20
Methylene Chloride
Concen: 2.174 ug/l
RT: 5.265 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion: 84 Resp: 452

Ion	Ratio	Lower	Upper
84	100		
49	111.2	93.4	140.0
51	26.0	29.2	43.8
86	49.8	46.9	70.3



Instrument :
MSVOA_N
ClientSampleId :
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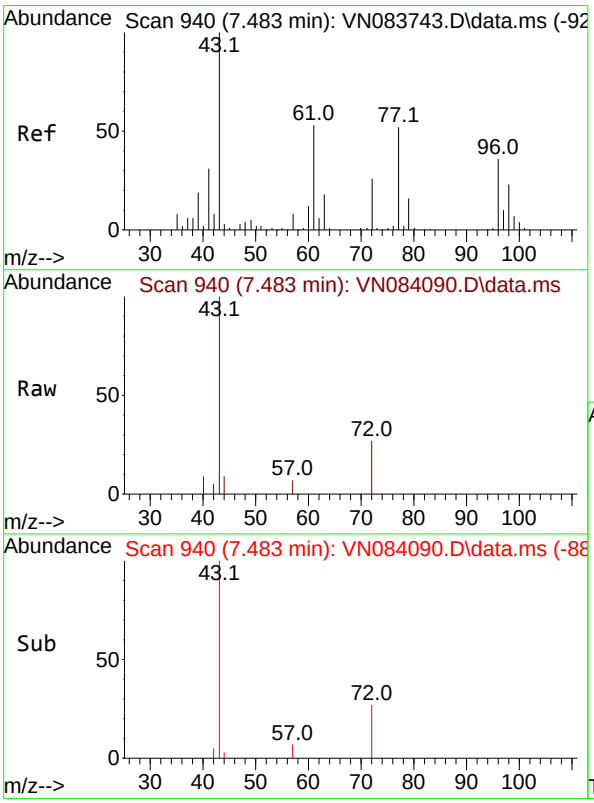
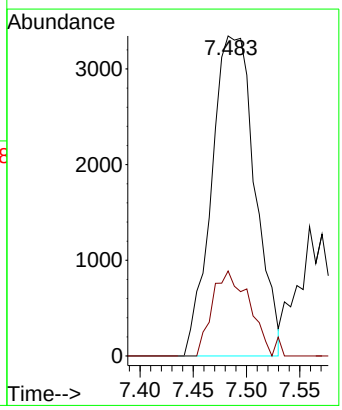
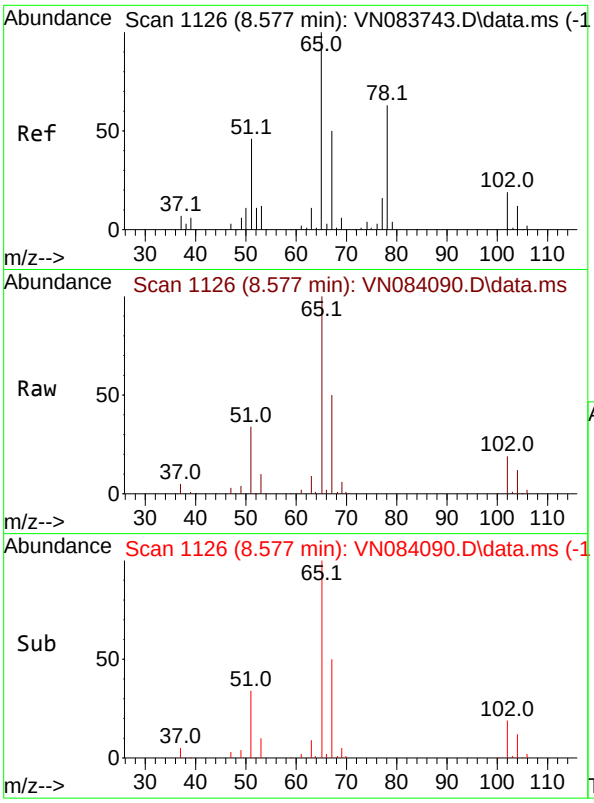


#25
2-Butanone
Concen: 7.101 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion: 43 Resp: 9483

Ion	Ratio	Lower	Upper
43	100		
72	26.5	20.8	31.2

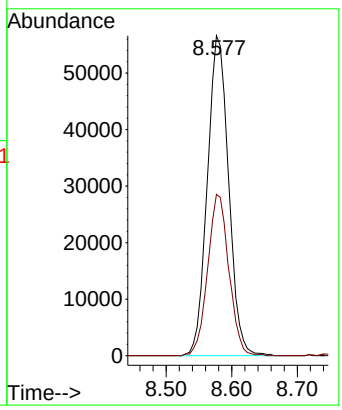




#33
1,2-Dichloroethane-d4
Concen: 50.308 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion: 65 Resp: 12751

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.8



Instrument :
MSVOA_N
ClientSampleId :
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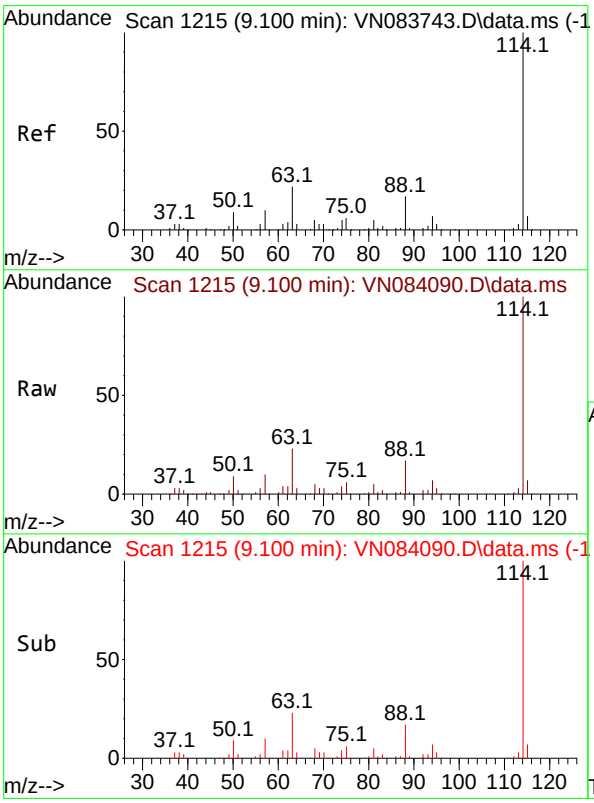
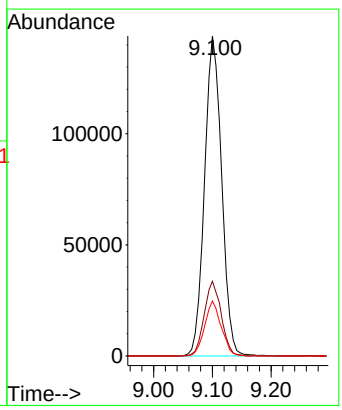
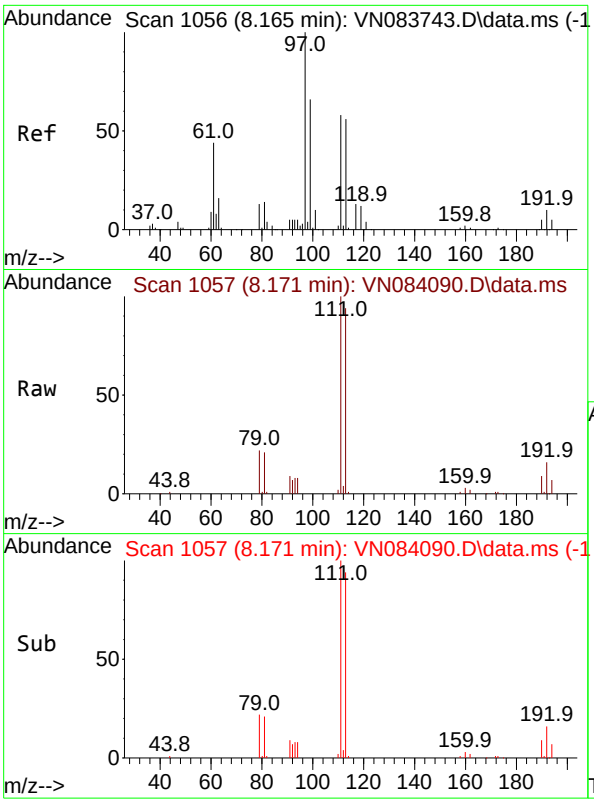


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:114 Resp: 292104

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	43.4
88	17.2	0.0	32.6

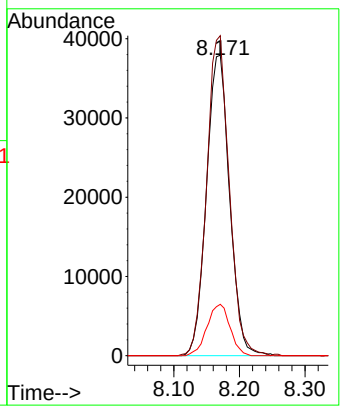




#35
Dibromofluoromethane
Concen: 49.721 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:113 Resp: 9297

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	124.0
192	17.0	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
WC-23

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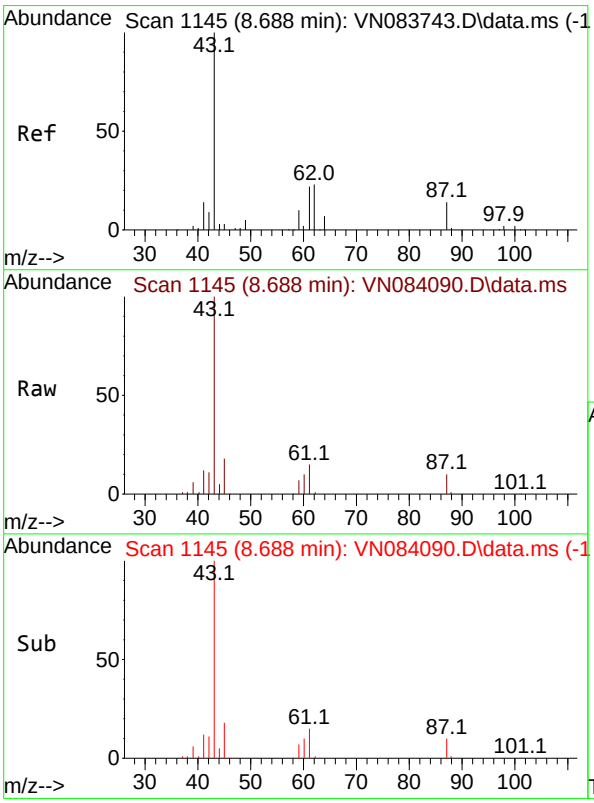
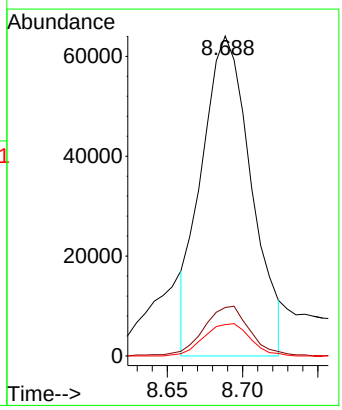
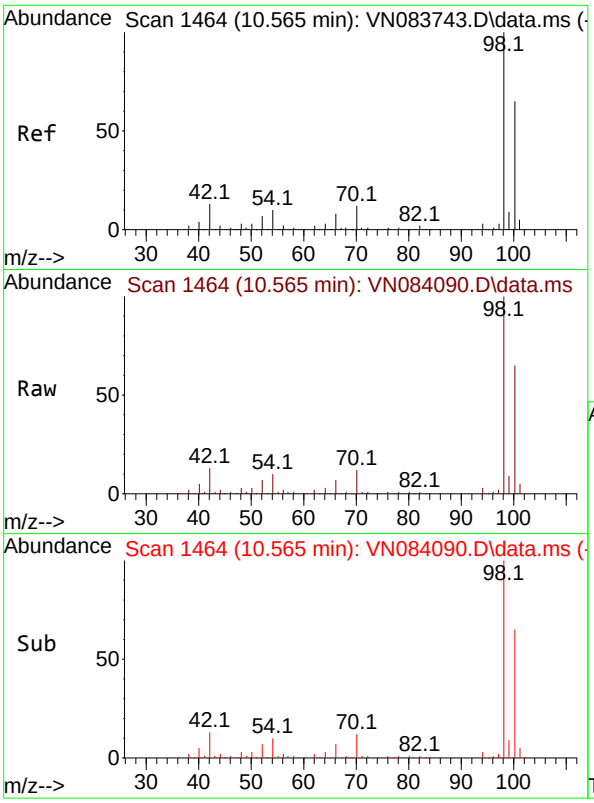


#43
Isopropyl Acetate
Concen: 31.836 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion: 43 Resp: 147392

Ion	Ratio	Lower	Upper
43	100		
61	14.6	19.4	29.0#
87	9.4	9.8	14.6#





#50
Toluene-d8
Concen: 54.947 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion: 98 Resp: 35521(

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

Instrument :
MSVOA_N
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WC-23

Manual Integrations
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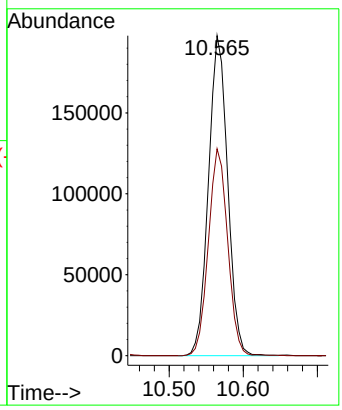
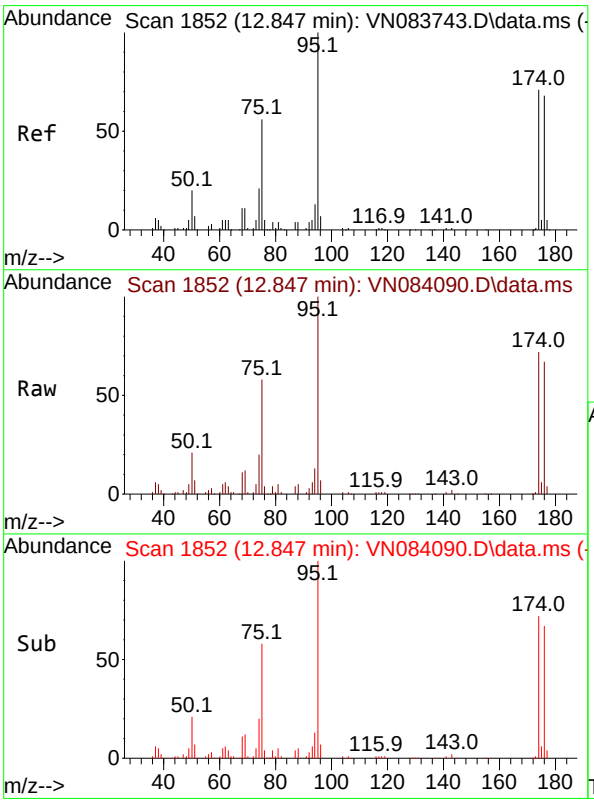
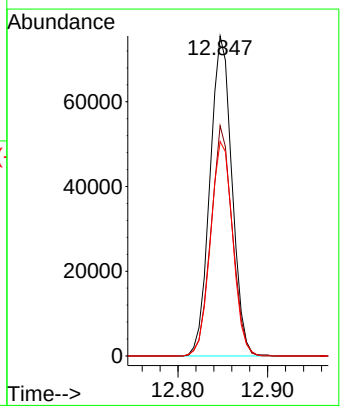


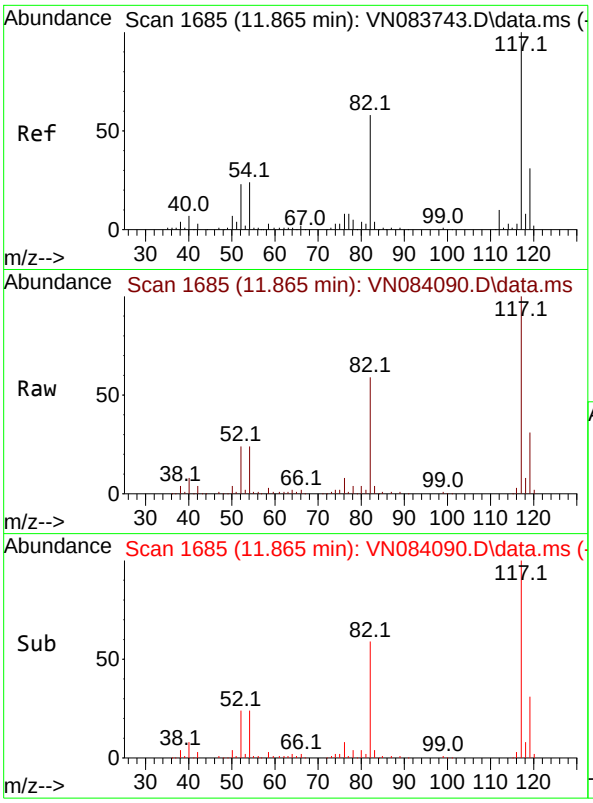


#62
4-Bromofluorobenzene
Concen: 48.081 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion: 95 Resp: 128242

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	139.8
176	67.9	0.0	131.4

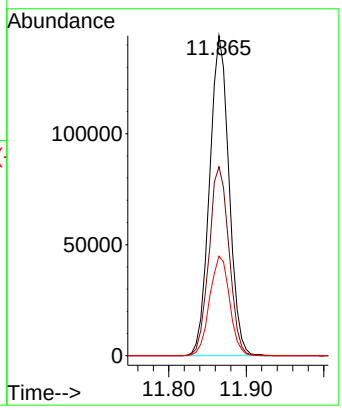




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:117 Resp: 25106

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.4	71.0
119	31.1	26.3	39.5



Instrument :
MSVOA_N
ClientSampleId :
WC-23

Manual Integrations
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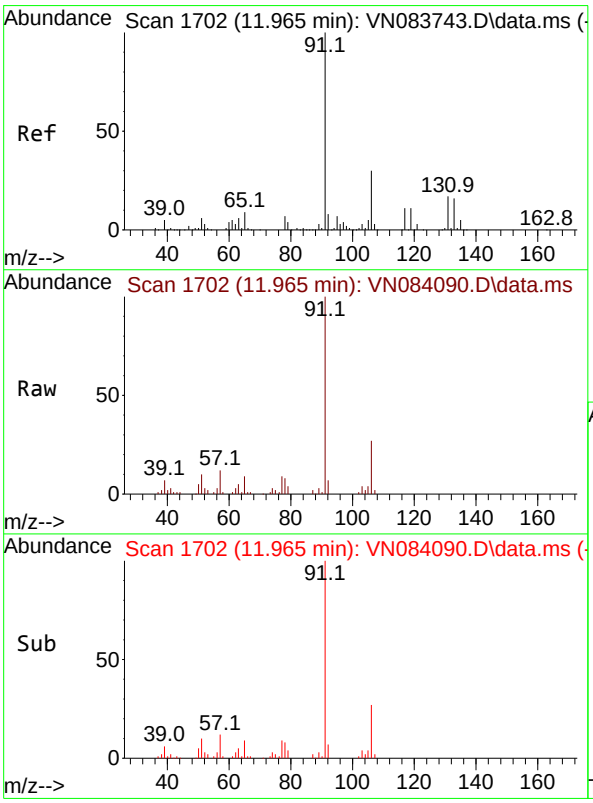
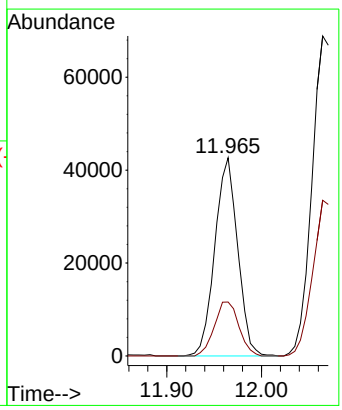
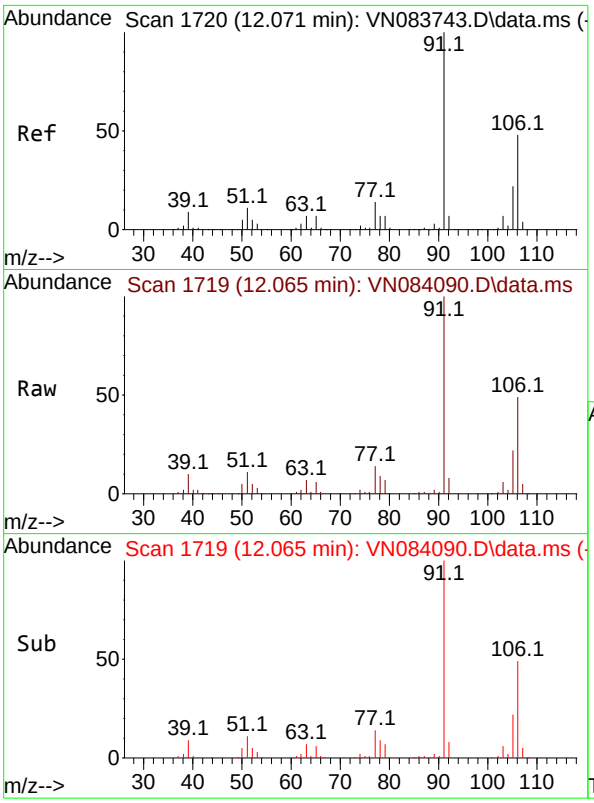


#67
Ethyl Benzene
Concen: 7.214 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion: 91 Resp: 71509

Ion	Ratio	Lower	Upper
91	100		
106	27.2	24.3	36.5





#68
m/p-Xylenes
Concen: 17.258 ug/l
RT: 12.065 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:106 Resp: 6351

Ion	Ratio	Lower	Upper
106	100		
91	209.2	169.2	253.8

Instrument :
MSVOA_N
ClientSampleId :
WC-23

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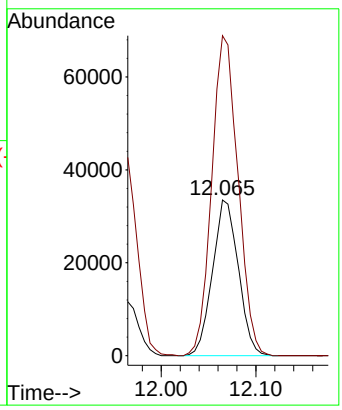
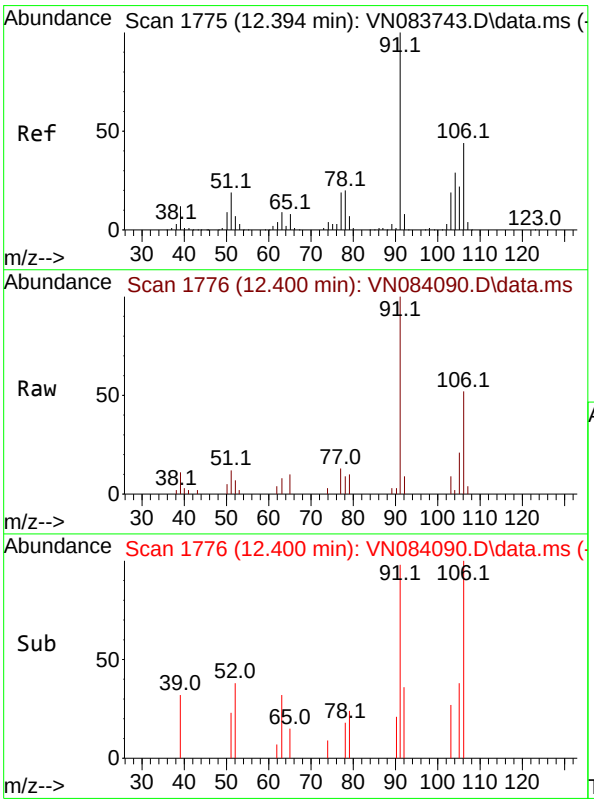
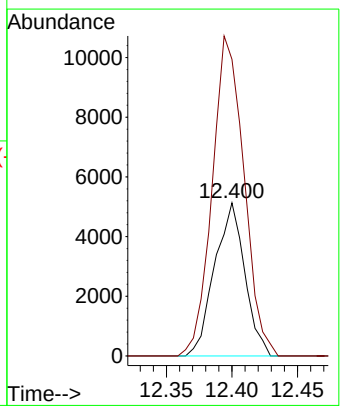


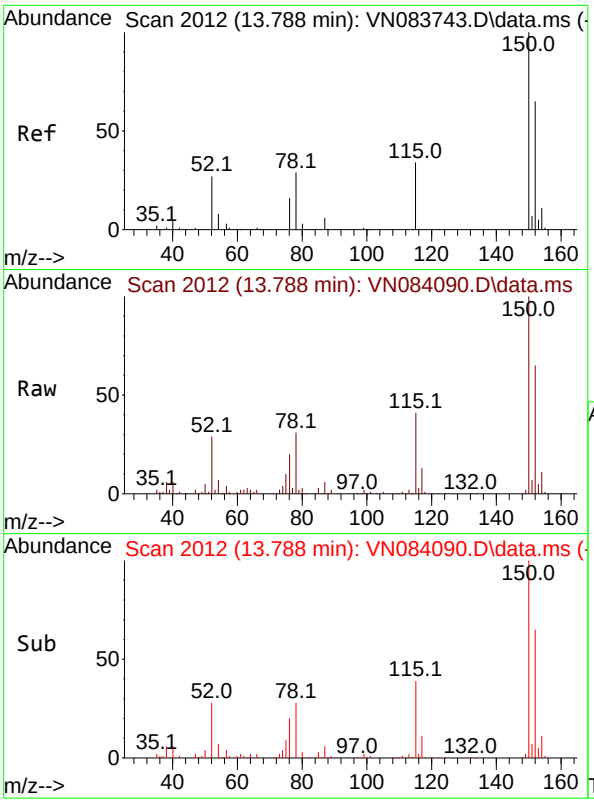


#69
o-Xylene
Concen: 2.307 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:106 Resp: 8220

Ion	Ratio	Lower	Upper
106	100		
91	219.6	112.9	338.6

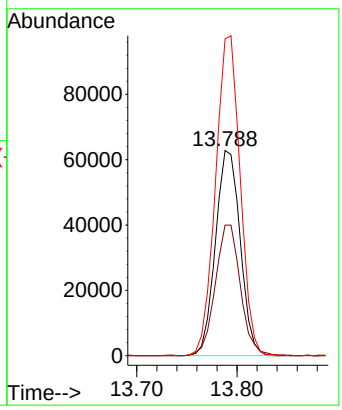




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:152 Resp: 10754

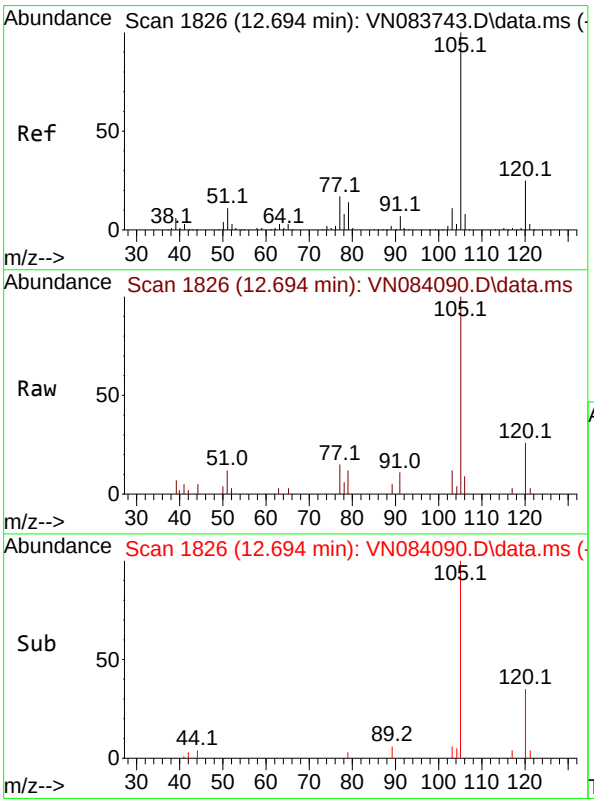
Ion	Ratio	Lower	Upper
152	100		
115	64.8	32.2	96.6
150	155.4	0.0	348.6



Instrument :
MSVOA_N
ClientSampleId :
WC-23

Manual Integrations
APPROVED

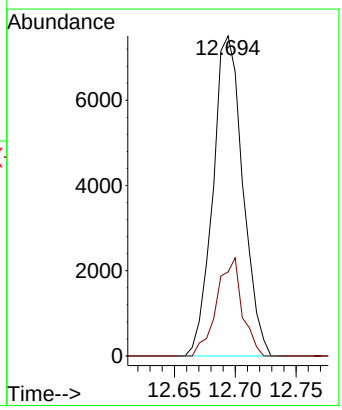
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

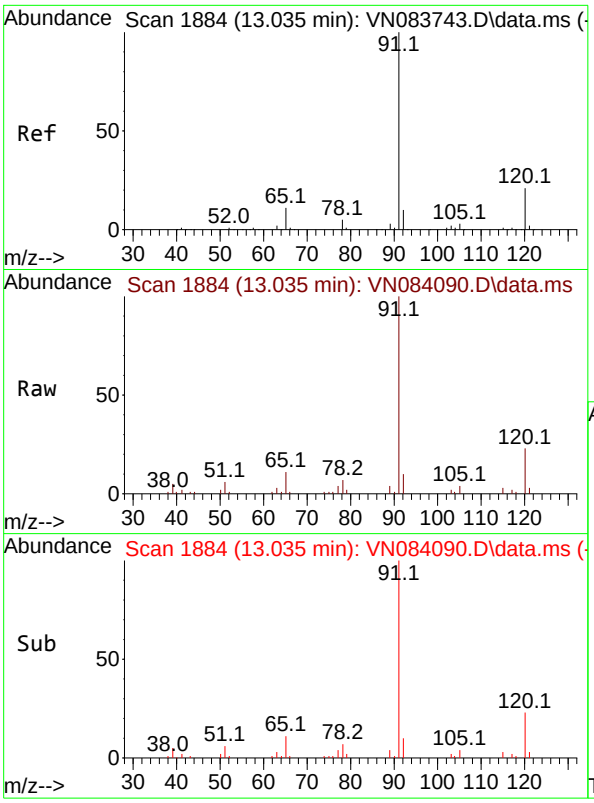


#73
Isopropylbenzene
Concen: 1.544 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:105 Resp: 12842

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.6	37.8





#78
n-propylbenzene
Concen: 3.993 ug/l
RT: 13.035 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

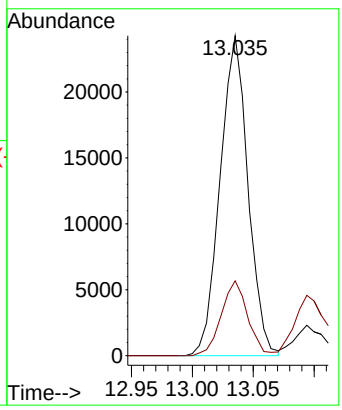
Tgt Ion: 91 Resp: 3865

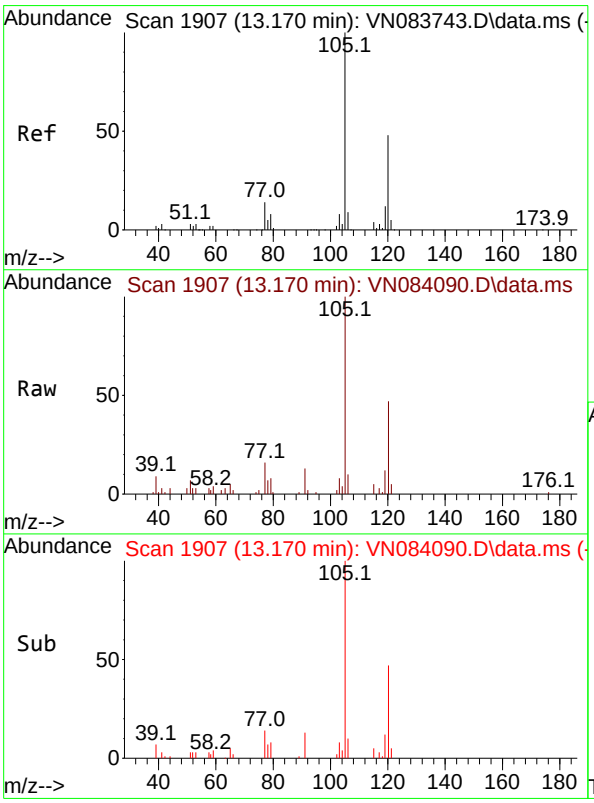
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0

Instrument :
MSVOA_N
ClientSampleId :
WC-23

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

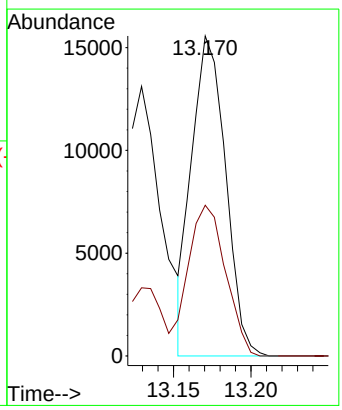


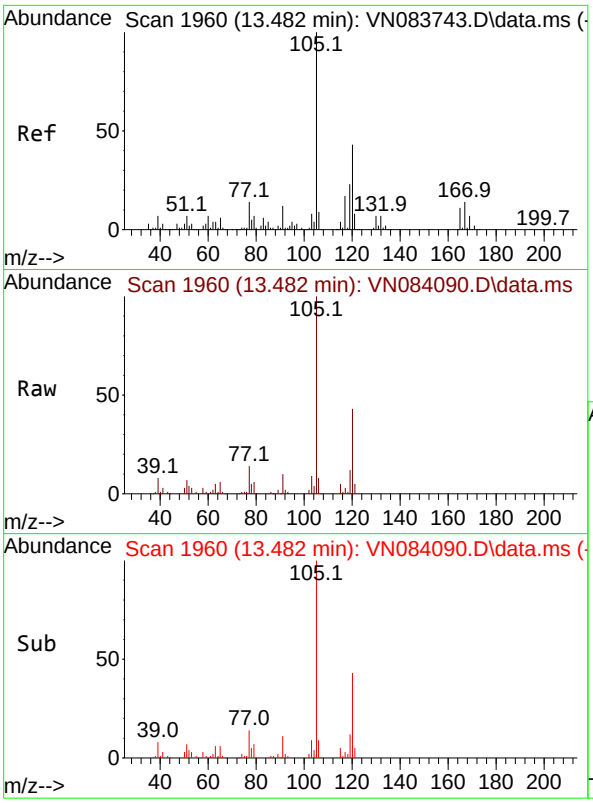


#80
1,3,5-Trimethylbenzene
Concen: 3.369 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:105 Resp: 23630

Ion	Ratio	Lower	Upper
105	100		
120	52.3	23.4	70.3

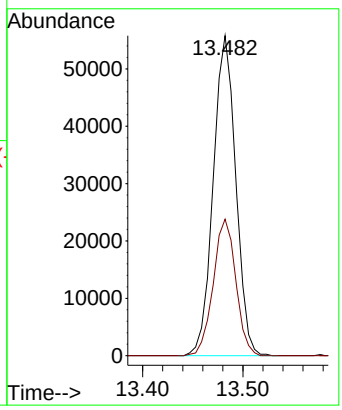




#84
1,2,4-Trimethylbenzene
Concen: 12.353 ug/l
RT: 13.482 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:105 Resp: 8704

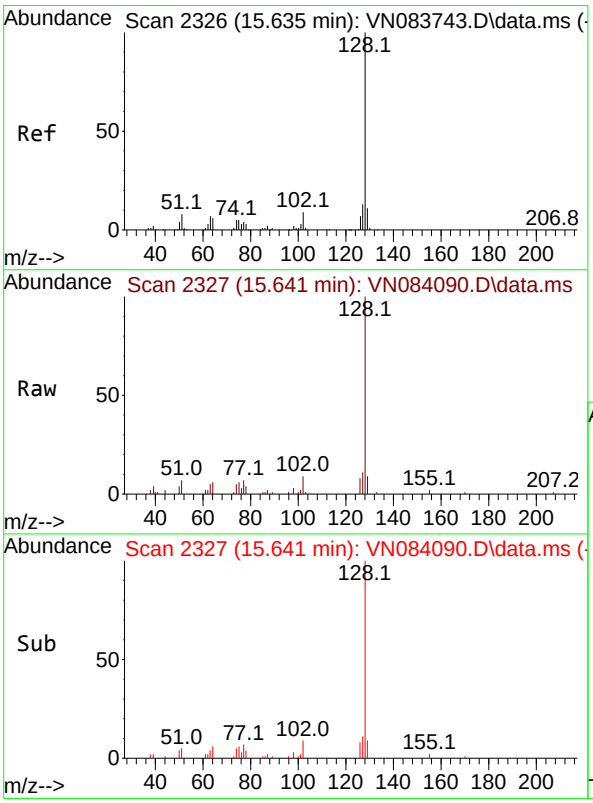
Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.8	65.4



Instrument :
MSVOA_N
ClientSampleId :
WC-23

Manual Integrations
APPROVED

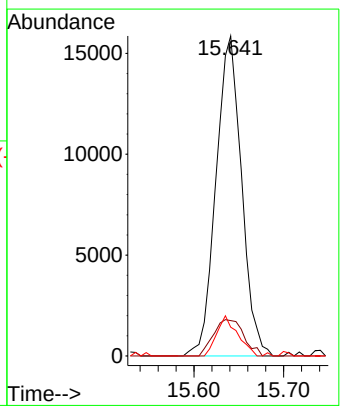
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#95
Naphthalene
Concen: 5.270 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084090.D
Acq: 21 Sep 2024 04:59

Tgt Ion:128 Resp: 31385

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	10.2	8.7	13.1



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG No.: P4103

Instrument ID: MSVOA_N Calibration Date(s): 09/10/2024 09/10/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:08 12:43

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN083742.D RRF050 = VN083743.D RRF010 = VN083745.D
RRF005 = VN083746.D RRF001 = VN083747.D RRF020 = VN083749.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
Vinyl Chloride	0.591	0.656	0.597	0.619	0.663	0.692	0.636	6.3
1,1-Dichloroethane	1.069	1.145	1.014	1.165	1.168	1.295	1.143	8.4
2-Butanone	0.372	0.393	0.336	0.381	0.410	0.491	0.397	13.2
Carbon Tetrachloride	0.541	0.561	0.475	0.544	0.515	0.643	0.547	10.2
Chloroform	1.145	1.221	1.081	1.224	1.180	1.428	1.213	9.7
Benzene	1.400	1.441	1.284	1.386	1.450	1.740	1.450	10.6
1,2-Dichloroethane	0.523	0.546	0.495	0.534	0.497	0.656	0.542	11
Trichloroethene	0.323	0.340	0.300	0.306	0.354	0.392	0.336	10.2
Toluene	0.883	0.908	0.773	0.878	0.820	1.060	0.887	11.1
Tetrachloroethene	0.313	0.321	0.302	0.340	0.341	0.377	0.333	8
Chlorobenzene	1.046	1.091	0.973	1.105	1.196	1.257	1.111	9.2
Ethyl Benzene	1.985	2.029	1.747	1.889	1.913	2.281	1.974	9
m/p-Xylenes	0.734	0.754	0.652	0.688	0.713	0.856	0.733	9.6
o-Xylene	0.707	0.740	0.654	0.668	0.657	0.831	0.710	9.6
1,2-Dichloroethane-d4	0.745	0.849	0.846	0.599		0.732	0.754	13.6
Dibromofluoromethane	0.316	0.340	0.340	0.284		0.321	0.320	7.2
Toluene-d8	1.172	1.271	1.199	0.761		1.130	1.107	18.1
4-Bromofluorobenzene	0.448	0.488	0.458	0.386		0.503	0.457	9.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N091024W.M
Title : SW846 8260
Last Update : Wed Sep 11 15:18:56 2024
Response Via : Initial Calibration

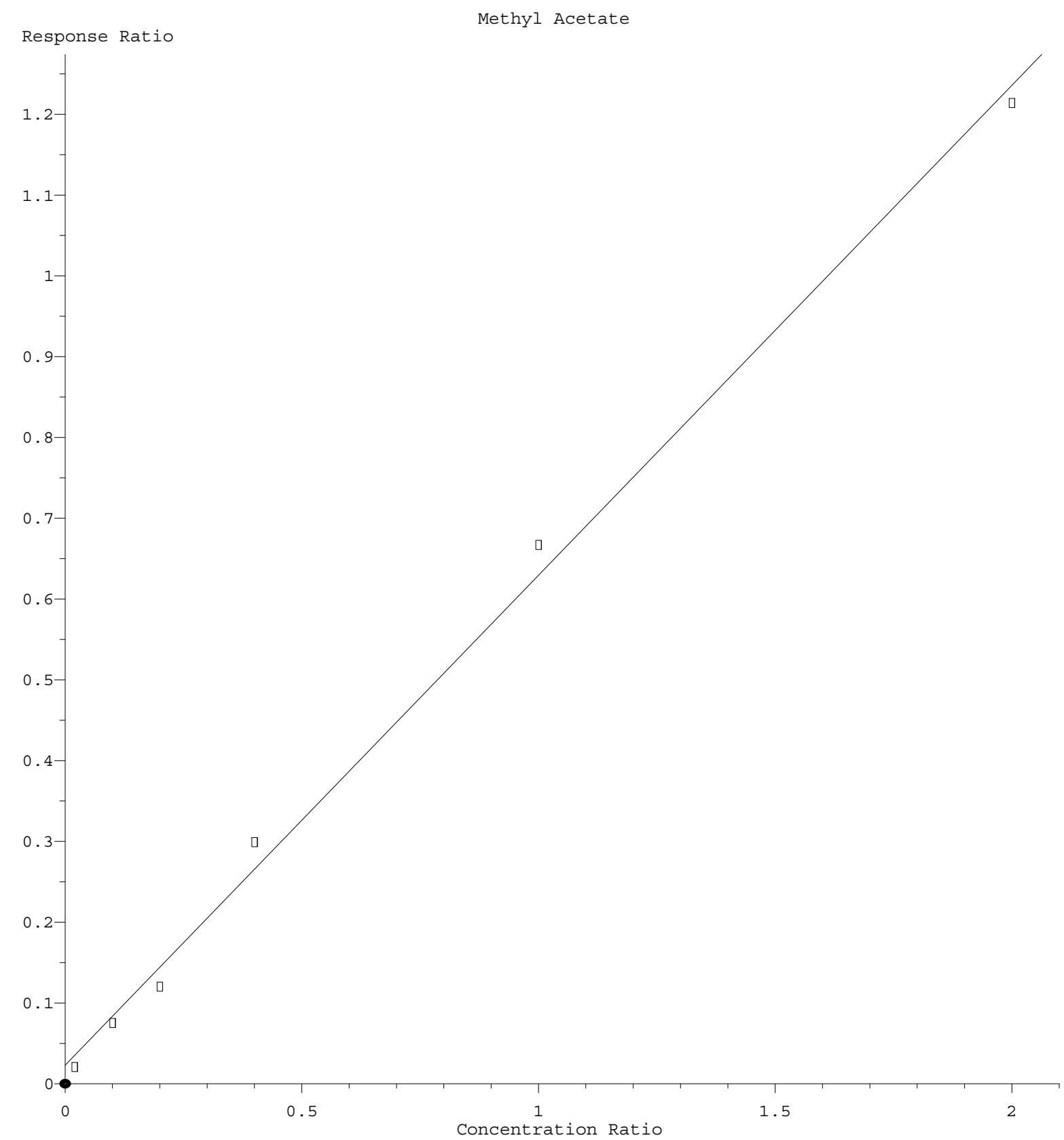
Calibration Files
1 =VN083747.D 5 =VN083746.D 10 =VN083745.D 20 =VN083749.D 50 =VN083743.D 100 =VN083742.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.591	0.551	0.558	0.618	0.601	0.566	0.581	4.55
3)	P	Chloromethane	1.083	0.657	0.619	0.689	0.623	0.573	0.707	26.59
4)	C	Vinyl Chloride	0.663	0.619	0.597	0.692	0.656	0.591	0.636	6.32#
5)	T	Bromomethane		0.393	0.339	0.410	0.359	0.327	0.365	9.65
6)	T	Chloroethane	0.470	0.464	0.448	0.486	0.431	0.380	0.446	8.48
7)	T	Trichlorofluor...	1.167	1.071	0.956	1.234	1.065	0.990	1.080	9.73
8)	T	Diethyl Ether	0.321	0.370	0.350	0.419	0.367	0.346	0.362	9.10
9)	T	1,1,2-Trichlor...	0.530	0.580	0.522	0.672	0.586	0.547	0.573	9.63
10)	T	Methyl Iodide		0.717	0.649	0.820	0.759	0.697	0.728	8.87
11)	T	Tert butyl alc...		0.110	0.089	0.115	0.101	0.089	0.101	11.71
12)	CM	1,1-Dichloroet...	0.511	0.557	0.476	0.626	0.559	0.516	0.541	9.64#
13)	T	Acrolein		0.111	0.101	0.094	0.104	0.088	0.100	8.89
14)	T	Allyl chloride	0.922	0.913	0.906	1.107	0.999	0.934	0.964	8.09
15)	T	Acrylonitrile	0.283	0.277	0.243	0.316	0.275	0.253	0.275	9.19
16)	T	Acetone	0.299	0.283	0.250	0.396	0.297	0.288	0.302	16.34
17)	T	Carbon Disulfide	1.703	1.467	1.357	1.630	1.530	1.389	1.513	8.95
18)	T	Methyl Acetate	1.033	0.751	0.601	0.748	0.667	0.607	0.735	21.82
19)	T	Methyl tert-bu...	1.897	1.936	1.768	2.272	2.004	1.864	1.957	8.84
20)	T	Methylene Chlo...	0.643	0.621	0.567	0.703	0.609	0.568	0.618	8.25
21)	T	trans-1,2-Dich...	0.584	0.617	0.522	0.640	0.581	0.533	0.580	7.95
22)	T	Diisopropyl ether	1.858	1.960	1.788	2.305	2.054	1.936	1.984	9.15
23)	T	Vinyl Acetate	1.310	1.394	1.254	1.727	1.546	1.485	1.453	11.86
24)	P	1,1-Dichloroet...	1.168	1.165	1.014	1.295	1.145	1.069	1.143	8.42
25)	T	2-Butanone	0.410	0.381	0.336	0.491	0.393	0.372	0.397	13.16
26)	T	2,2-Dichloropr...	0.998	0.993	0.923	1.262	1.093	1.045	1.052	11.17
27)	T	cis-1,2-Dichlo...	0.686	0.646	0.621	0.795	0.717	0.664	0.688	8.97
28)	T	Bromochloromet...	0.420	0.538	0.474	0.454	0.525	0.477	0.481	9.10
29)	T	Tetrahydrofuran	0.230	0.231	0.211	0.274	0.242	0.223	0.235	9.23
30)	C	Chloroform	1.180	1.224	1.081	1.428	1.221	1.145	1.213	9.72#
31)	T	Cyclohexane		1.244	1.017	1.206	1.017	0.965	1.090	11.56
32)	T	1,1,1-Trichlor...	1.081	1.131	0.989	1.293	1.137	1.063	1.116	9.14
33)	S	1,2-Dichloroet...		0.599	0.846	0.732	0.849	0.745	0.754	13.63
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.284	0.340	0.321	0.340	0.316	0.320	7.19
36)	T	1,1-Dichloropr...	0.503	0.472	0.416	0.556	0.472	0.471	0.482	9.54
37)	T	Ethyl Acetate	0.385	0.429	0.393	0.527	0.458	0.432	0.437	11.75
38)	T	Carbon Tetrach...	0.515	0.544	0.475	0.643	0.561	0.541	0.547	10.24
39)	T	Methylcyclohexane	0.507	0.504	0.477	0.661	0.573	0.568	0.548	12.24
40)	TM	Benzene	1.450	1.386	1.284	1.740	1.441	1.400	1.450	10.60
41)	T	Methacrylonitrile	0.278	0.239	0.211	0.299	0.264	0.260	0.259	11.84
42)	TM	1,2-Dichloroet...	0.497	0.534	0.495	0.656	0.546	0.523	0.542	10.97
43)	T	Isopropyl Acetate	0.781	0.773	0.688	0.942	0.796	0.775	0.792	10.43
44)	TM	Trichloroethene	0.354	0.306	0.300	0.392	0.340	0.323	0.336	10.22
45)	C	1,2-Dichloropr...	0.339	0.345	0.303	0.428	0.349	0.338	0.350	11.85#
46)	T	Dibromomethane	0.213	0.246	0.221	0.298	0.254	0.242	0.245	12.22
47)	T	Bromodichlorom...	0.493	0.512	0.461	0.636	0.549	0.536	0.531	11.32
48)	T	Methyl methacr...	0.364	0.364	0.328	0.450	0.378	0.372	0.376	10.68
49)	T	1,4-Dioxane	0.007	0.006	0.005	0.007	0.006	0.006	0.006	12.02
50)	S	Toluene-d8		0.761	1.199	1.130	1.271	1.172	1.107	18.06
51)	T	4-Methyl-2-Pen...	0.405	0.416	0.379	0.521	0.443	0.424	0.431	11.29
52)	CM	Toluene	0.820	0.878	0.773	1.060	0.908	0.883	0.887	11.07#
53)	T	t-1,3-Dichloro...	0.519	0.510	0.467	0.626	0.559	0.550	0.539	10.04
54)	T	cis-1,3-Dichlo...	0.510	0.533	0.511	0.680	0.586	0.574	0.566	11.38
55)	T	1,1,2-Trichlor...	0.345	0.323	0.289	0.387	0.328	0.315	0.331	9.98
56)	T	Ethyl methacry...	0.423	0.475	0.439	0.626	0.557	0.537	0.509	15.23

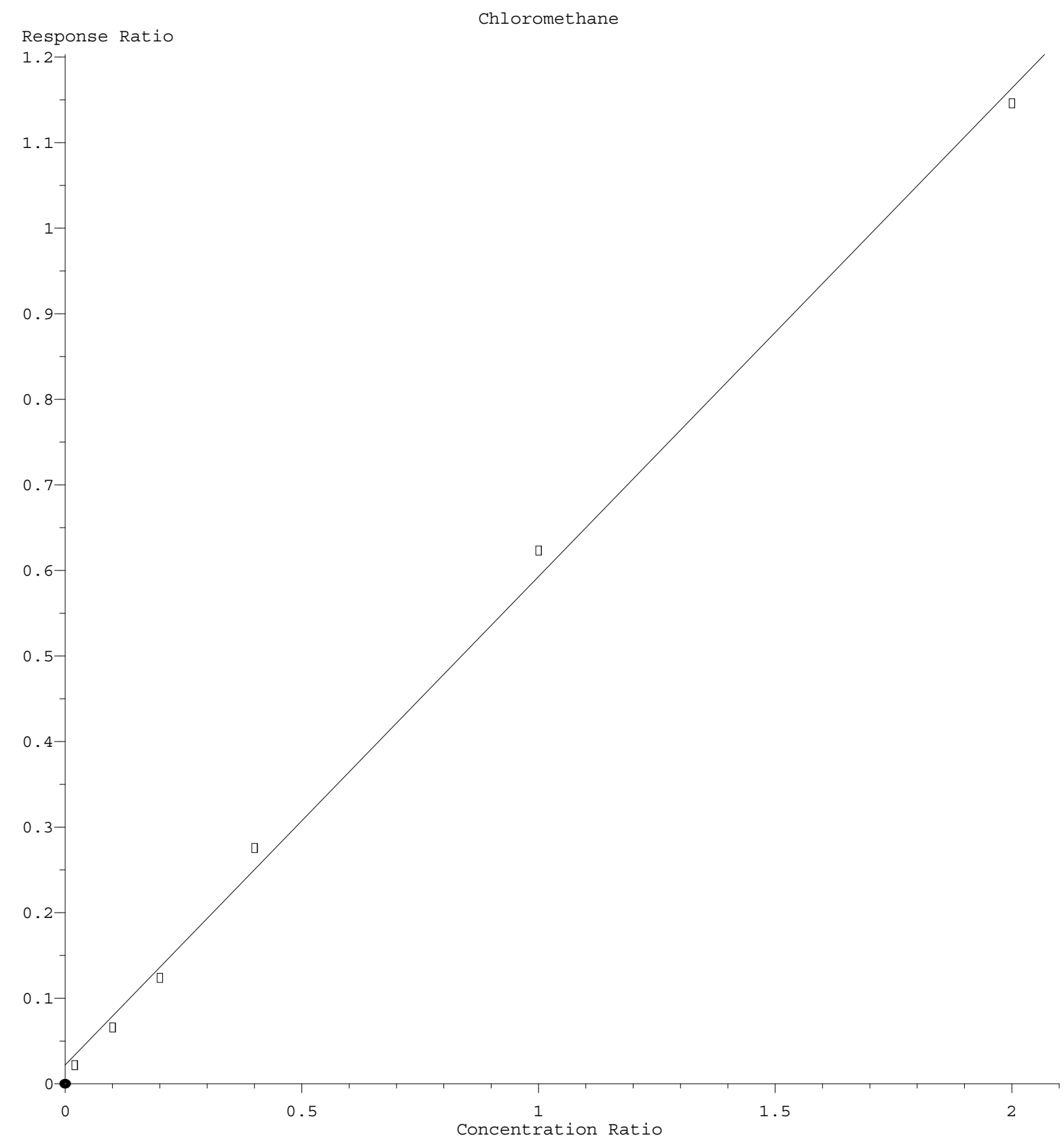
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N091024W.M

57)	T	1,3-Dichloropr...	0.512	0.583	0.505	0.682	0.576	0.557	0.569	11.26
58)	T	2-Chloroethyl ...	0.142	0.176	0.177	0.187	0.173	0.245	0.184	18.30
59)	T	2-Hexanone	0.277	0.312	0.276	0.405	0.329	0.315	0.319	14.75
60)	T	Dibromochlorom...	0.337	0.342	0.335	0.440	0.392	0.378	0.371	11.13
61)	T	1,2-Dibromoethane	0.342	0.309	0.285	0.391	0.332	0.324	0.330	10.82
62)	S	4-Bromofluorob...		0.386	0.458	0.503	0.488	0.448	0.457	9.93
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.341	0.340	0.302	0.377	0.321	0.313	0.333	8.01
65)	PM	Chlorobenzene	1.196	1.105	0.973	1.257	1.091	1.046	1.111	9.20
66)	T	1,1,1,2-Tetrac...	0.381	0.367	0.350	0.445	0.394	0.375	0.385	8.55
67)	C	Ethyl Benzene	1.913	1.889	1.747	2.281	2.029	1.985	1.974	9.05#
68)	T	m/p-Xylenes	0.713	0.688	0.652	0.856	0.754	0.734	0.733	9.58
69)	T	o-Xylene	0.657	0.668	0.654	0.831	0.740	0.707	0.710	9.63
70)	T	Styrene	1.100	1.072	1.008	1.354	1.244	1.208	1.164	10.95
71)	P	Bromoform	0.223	0.257	0.226	0.301	0.278	0.272	0.260	11.78
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.759	3.808	3.596	4.135	4.076	3.835	3.868	5.24
74)	T	N-amyl acetate	1.687	1.618	1.482	1.745	1.739	1.631	1.650	5.92
75)	P	1,1,2,2-Tetrac...	1.298	1.181	1.064	1.165	1.095	1.015	1.137	8.86
76)	T	1,2,3-Trichlor...	1.124	1.033	0.897	1.041	0.950	1.008	1.009	7.79
77)	T	Bromobenzene	1.086	0.947	0.884	0.930	0.899	0.841	0.931	9.09
78)	T	n-propylbenzene	4.560	4.320	4.074	4.776	4.759	4.516	4.501	5.97
79)	T	2-Chlorotoluene	2.959	2.887	2.717	3.067	2.893	2.700	2.870	4.93
80)	T	1,3,5-Trimethy...	3.309	3.122	3.028	3.486	3.419	3.204	3.261	5.39
81)	T	trans-1,4-Dich...		0.419	0.319	0.390	0.411	0.387	0.385	10.29
82)	T	4-Chlorotoluene	2.990	2.953	2.670	2.998	2.948	2.723	2.880	5.03
83)	T	tert-Butylbenzene	2.890	2.726	2.627	3.067	3.014	2.796	2.853	5.94
84)	T	1,2,4-Trimethy...	3.217	3.184	3.059	3.488	3.483	3.225	3.276	5.28
85)	T	sec-Butylbenzene	3.487	3.734	3.438	4.106	4.084	3.856	3.784	7.56
86)	T	p-Isopropyltol...	3.043	3.128	2.828	3.348	3.448	3.237	3.172	7.02
87)	T	1,3-Dichlorobe...	2.096	1.785	1.591	1.754	1.741	1.577	1.757	10.66
88)	T	1,4-Dichlorobe...	2.154	1.824	1.654	1.718	1.741	1.586	1.779	11.26
89)	T	n-Butylbenzene	3.059	2.687	2.554	2.920	3.002	2.866	2.848	6.77
90)	T	Hexachloroethane	0.699	0.626	0.593	0.658	0.642	0.608	0.638	5.97
91)	T	1,2-Dichlorobe...	1.860	1.774	1.543	1.740	1.688	1.571	1.696	7.19
92)	T	1,2-Dibromo-3-...	0.220	0.233	0.214	0.237	0.237	0.219	0.227	4.47
93)	T	1,2,4-Trichlor...	1.038	0.907	0.848	0.875	0.932	0.861	0.910	7.67
94)	T	Hexachlorobuta...	0.461	0.373	0.362	0.397	0.374	0.352	0.386	10.25
95)	T	Naphthalene	2.808	2.782	2.594	2.686	3.016	2.727	2.769	5.16
96)	T	1,2,3-Trichlor...	0.981	0.875	0.813	0.840	0.895	0.815	0.870	7.31

(#) = Out of Range



Response = 6.063e-001 * Amt + 2.337e-002
Coef of Det (r^2) = 0.996387 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N091024W.M
Calibration Table Last Updated: Wed Sep 11 15:18:56 2024



Response = 5.711e-001 * Amt + 2.189e-002
Coef of Det (r^2) = 0.997537 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N091024W.M
Calibration Table Last Updated: Wed Sep 11 15:18:56 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083742.D
Acq On : 10 Sep 2024 09:08
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 01:53:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	179260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	266987	98.775	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 197.540%#			
35) Dibromofluoromethane	8.159	113	192905	98.687	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.380%#			
50) Toluene-d8	10.565	98	715598	105.896	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 211.800%#			
62) 4-Bromofluorobenzene	12.847	95	273293	98.025	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 196.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	202748	97.390	ug/l	99
3) Chloromethane	2.359	50	205418	98.414	ug/l	97
4) Vinyl Chloride	2.518	62	211906	92.865	ug/l	98
5) Bromomethane	2.906	94	117285	89.520	ug/l	99
6) Chloroethane	3.077	64	136074	85.956	ug/l	97
7) Trichlorofluoromethane	3.471	101	354762	91.591	ug/l	99
8) Diethyl Ether	3.953	74	124053	95.544	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	195938	95.438	ug/l	98
10) Methyl Iodide	4.577	142	249832	95.682	ug/l	96
11) Tert butyl alcohol	5.536	59	159849	441.627	ug/l	100
12) 1,1-Dichloroethene	4.324	96	185025	95.429	ug/l	93
13) Acrolein	4.171	56	158000	442.417	ug/l	99
14) Allyl chloride	5.012	41	334937	96.948	ug/l	98
15) Acrylonitrile	5.718	53	454054	461.277	ug/l	99
16) Acetone	4.424	43	515707	475.936	ug/l	98
17) Carbon Disulfide	4.700	76	497982	91.817	ug/l	100
18) Methyl Acetate	5.018	43	217598	98.170	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	668351	95.259	ug/l	100
20) Methylene Chloride	5.271	84	203805	91.913	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	191098	91.967	ug/l	95
22) Diisopropyl ether	6.665	45	694175	97.608	ug/l	99
23) Vinyl Acetate	6.600	43	2661752	511.076	ug/l	99
24) 1,1-Dichloroethane	6.565	63	383257	93.539	ug/l	99
25) 2-Butanone	7.483	43	667006	468.347	ug/l	99
26) 2,2-Dichloropropane	7.483	77	374693	99.301	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	237908	96.450	ug/l	100
28) Bromochloromethane	7.812	49	171038	99.126	ug/l	97
29) Tetrahydrofuran	7.835	42	398869	473.660	ug/l	99
30) Chloroform	7.965	83	410584	94.390	ug/l	100
31) Cyclohexane	8.253	56	346019	88.574	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	380933	95.240	ug/l	99
36) 1,1-Dichloropropene	8.365	75	287609	97.756	ug/l	99
37) Ethyl Acetate	7.559	43	263623	98.714	ug/l	98
38) Carbon Tetrachloride	8.359	117	330457	99.004	ug/l	99
39) Methylcyclohexane	9.600	83	346860	103.576	ug/l	99
40) Benzene	8.600	78	854656	96.512	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083742.D
Acq On : 10 Sep 2024 09:08
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 01:53:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	158600	100.410 ug/l	97
42) 1,2-Dichloroethane	8.665	62	319551	96.572 ug/l	99
43) Isopropyl Acetate	8.688	43	473198	97.780 ug/l	97
44) Trichloroethene	9.347	130	197536	96.327 ug/l	93
45) 1,2-Dichloropropane	9.618	63	206374	96.423 ug/l	100
46) Dibromomethane	9.706	93	147957	98.695 ug/l	99
47) Bromodichloromethane	9.888	83	327336	100.891 ug/l	98
48) Methyl methacrylate	9.677	41	227071	98.898 ug/l	98
49) 1,4-Dioxane	9.694	88	68427	1811.632 ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	1295313	491.701 ug/l	99
52) Toluene	10.629	92	539024	99.513 ug/l	98
53) t-1,3-Dichloropropene	10.835	75	335958	102.158 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	350699	101.521 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	192101	94.997 ug/l	99
56) Ethyl methacrylate	10.871	69	327895	105.392 ug/l	99
57) 1,3-Dichloropropane	11.159	76	340321	97.921 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	747188	666.516 ug/l	97
59) 2-Hexanone	11.194	43	963063	494.210 ug/l	99
60) Dibromochloromethane	11.359	129	230885	102.022 ug/l	100
61) 1,2-Dibromoethane	11.471	107	197595	97.978 ug/l	99
64) Tetrachloroethene	11.106	164	167917	94.271 ug/l	97
65) Chlorobenzene	11.888	112	560440	94.145 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	201130	97.460 ug/l	99
67) Ethyl Benzene	11.965	91	1063437	100.561 ug/l	98
68) m/p-Xylenes	12.070	106	786134	200.232 ug/l	99
69) o-Xylene	12.394	106	378786	99.660 ug/l	99
70) Styrene	12.412	104	646938	103.715 ug/l	100
71) Bromoform	12.576	173	145739	104.798 ug/l #	100
73) Isopropylbenzene	12.694	105	1012206	99.129 ug/l	99
74) N-amyl acetate	12.494	43	430629	98.846 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	268013	89.333 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	231193m	86.812 ug/l	
77) Bromobenzene	12.976	156	221922	90.289 ug/l	99
78) n-propylbenzene	13.035	91	1192155	100.345 ug/l	99
79) 2-Chlorotoluene	13.123	91	712679	94.060 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	845837	98.252 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	102156	100.466 ug/l	96
82) 4-Chlorotoluene	13.217	91	718771	94.532 ug/l	99
83) tert-Butylbenzene	13.435	119	738032	97.989 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	851267	98.439 ug/l	100
85) sec-Butylbenzene	13.617	105	1017747	101.889 ug/l	100
86) p-Isopropyltoluene	13.729	119	854481	102.048 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	416366	89.760 ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	418608	89.123 ug/l	99
89) n-Butylbenzene	14.053	91	756542	100.632 ug/l	100
90) Hexachloroethane	14.335	117	160428	95.312 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	414582	92.608 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	57895	96.804 ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	227276	94.607 ug/l	99
94) Hexachlorobutadiene	15.500	225	93025	91.182 ug/l	99
95) Naphthalene	15.641	128	719851	98.492 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	215058	93.670 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083742.D
Acq On : 10 Sep 2024 09:08
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:53:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

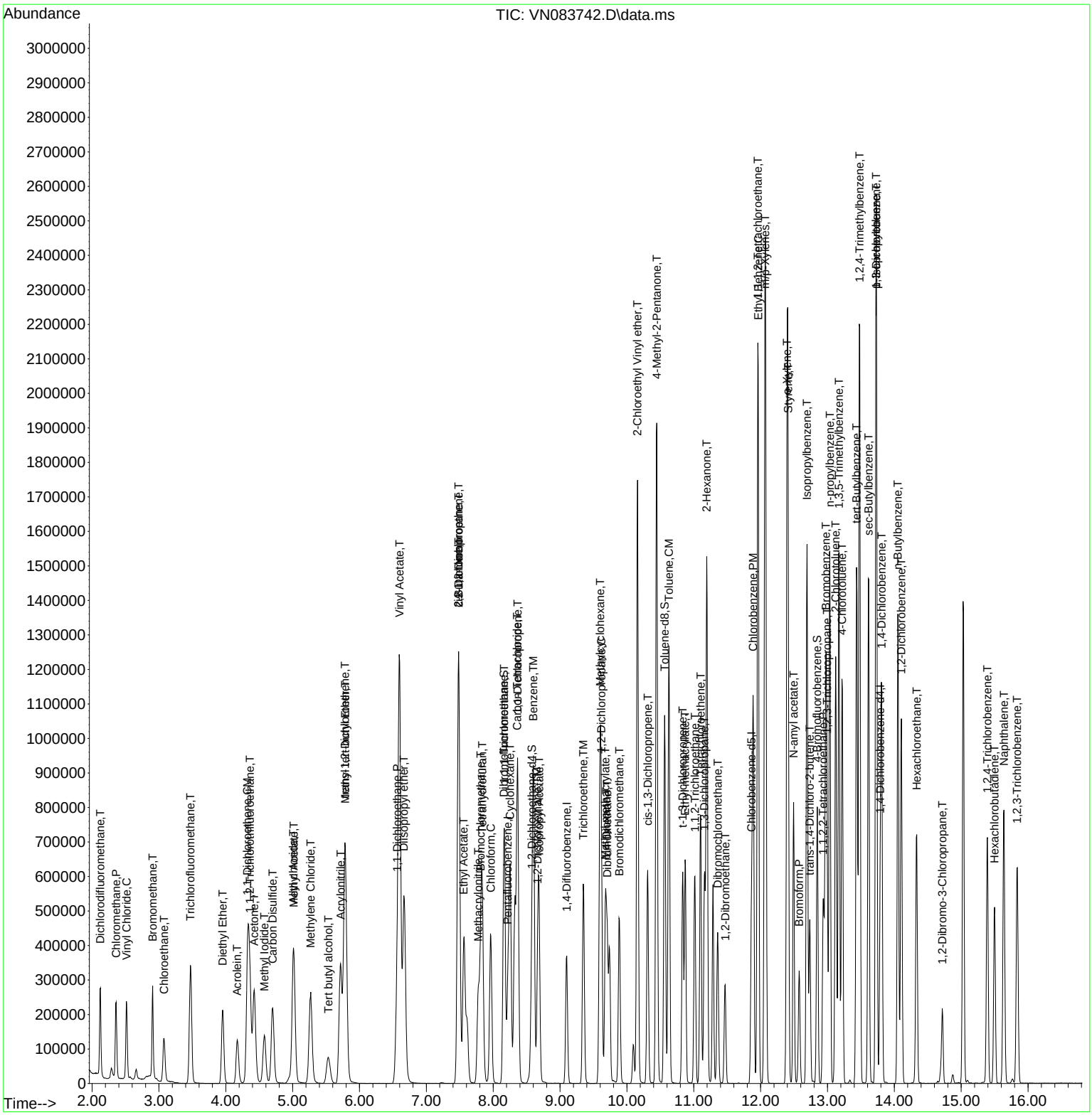
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083742.D
Acq On : 10 Sep 2024 09:08
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 01:53:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083743.D
Acq On : 10 Sep 2024 09:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:54:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	172686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146624	56.310	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.620%			
35) Dibromofluoromethane	8.165	113	103536	53.049	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.100%			
50) Toluene-d8	10.565	98	387600	57.446	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.900%#			
62) 4-Bromofluorobenzene	12.847	95	148654	53.401	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103740	51.728	ug/l	99
3) Chloromethane	2.359	50	107608	52.642	ug/l	99
4) Vinyl Chloride	2.512	62	113364	51.571	ug/l	97
5) Bromomethane	2.906	94	61931	49.070	ug/l	98
6) Chloroethane	3.083	64	74441	48.814	ug/l	100
7) Trichlorofluoromethane	3.471	101	183864	49.276	ug/l	98
8) Diethyl Ether	3.953	74	63376	50.670	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	101147	51.143	ug/l	97
10) Methyl Iodide	4.577	142	131056	52.103	ug/l	96
11) Tert butyl alcohol	5.530	59	87546	251.078	ug/l	99
12) 1,1-Dichloroethene	4.330	96	96478	51.654	ug/l	93
13) Acrolein	4.171	56	89867	261.217	ug/l	98
14) Allyl chloride	5.018	41	172508	51.834	ug/l	99
15) Acrylonitrile	5.718	53	237803	250.783	ug/l	99
16) Acetone	4.430	43	256758	245.978	ug/l	100
17) Carbon Disulfide	4.700	76	264217	50.571	ug/l	100
18) Methyl Acetate	5.024	43	115167	53.068	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	346063	51.202	ug/l	98
20) Methylene Chloride	5.271	84	105124	49.214	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	100281	50.098	ug/l	93
22) Diisopropyl ether	6.671	45	354685	51.771	ug/l	98
23) Vinyl Acetate	6.600	43	1334972	266.082	ug/l	99
24) 1,1-Dichloroethane	6.559	63	197743	50.099	ug/l	99
25) 2-Butanone	7.483	43	339457	247.428	ug/l	100
26) 2,2-Dichloropropane	7.483	77	188830	51.949	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123764	52.085	ug/l	99
28) Bromochloromethane	7.812	49	90626	54.522	ug/l	98
29) Tetrahydrofuran	7.836	42	208523	257.049	ug/l	97
30) Chloroform	7.959	83	210873	50.323	ug/l	96
31) Cyclohexane	8.253	56	175569	46.653	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	196328	50.954	ug/l	100
36) 1,1-Dichloropropene	8.371	75	143931	48.996	ug/l	100
37) Ethyl Acetate	7.559	43	139729	52.402	ug/l	98
38) Carbon Tetrachloride	8.359	117	171174	51.362	ug/l	97
39) Methylcyclohexane	9.600	83	174544	52.200	ug/l	99
40) Benzene	8.600	78	439364	49.691	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083743.D
Acq On : 10 Sep 2024 09:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:54:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	80473	51.026	ug/l		99
42) 1,2-Dichloroethane	8.671	62	166416	50.370	ug/l		99
43) Isopropyl Acetate	8.688	43	242653	50.218	ug/l		97
44) Trichloroethene	9.353	130	103614	50.604	ug/l		99
45) 1,2-Dichloropropane	9.618	63	106419	49.798	ug/l		98
46) Dibromomethane	9.706	93	77488	51.768	ug/l		98
47) Bromodichloromethane	9.888	83	167396	51.674	ug/l		99
48) Methyl methacrylate	9.677	41	115324	50.305	ug/l		98
49) 1,4-Dioxane	9.694	88	36620	971.017	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.441	43	675474	256.804	ug/l		98
52) Toluene	10.629	92	276845	51.189	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	170271	51.855	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	178747	51.823	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	100040	49.547	ug/l		98
56) Ethyl methacrylate	10.871	69	169686	54.624	ug/l		99
57) 1,3-Dichloropropane	11.159	76	175459	50.562	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	264081	235.930	ug/l		99
59) 2-Hexanone	11.194	43	501507	257.751	ug/l		99
60) Dibromochloromethane	11.359	129	119533	52.899	ug/l	#	10
61) 1,2-Dibromoethane	11.465	107	101248	50.281	ug/l		100
64) Tetrachloroethene	11.100	164	85484	48.327	ug/l		98
65) Chlorobenzene	11.888	112	290168	49.084	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	104718	51.096	ug/l		99
67) Ethyl Benzene	11.965	91	539737	51.395	ug/l		99
68) m/p-Xylenes	12.071	106	401299	102.926	ug/l		99
69) o-Xylene	12.394	106	196721	52.119	ug/l		98
70) Styrene	12.412	104	330888	53.417	ug/l		99
71) Bromoform	12.576	173	74017	53.596	ug/l	#	99
73) Isopropylbenzene	12.694	105	519478	52.691	ug/l		100
74) N-amyl acetate	12.494	43	221603	52.682	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	139525	48.166	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	120040m	46.684	ug/l		
77) Bromobenzene	12.976	156	114527	48.259	ug/l		98
78) n-propylbenzene	13.035	91	606410	52.864	ug/l		99
79) 2-Chlorotoluene	13.123	91	368645	50.391	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	435677	52.415	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	52353	53.325	ug/l		97
82) 4-Chlorotoluene	13.223	91	375734	51.180	ug/l		99
83) tert-Butylbenzene	13.435	119	384034	52.809	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	443899	53.164	ug/l		100
85) sec-Butylbenzene	13.617	105	520441	53.962	ug/l		100
86) p-Isopropyltoluene	13.729	119	439355	54.344	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	221915	49.548	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	221827	48.914	ug/l		99
89) n-Butylbenzene	14.053	91	382538	52.700	ug/l		100
90) Hexachloroethane	14.329	117	81825	50.348	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	215156	49.777	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30218	52.330	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	118780	51.209	ug/l		98
94) Hexachlorobutadiene	15.500	225	47681	48.405	ug/l		99
95) Naphthalene	15.635	128	384390	54.471	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	114047	51.447	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083743.D
Acq On : 10 Sep 2024 09:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:54:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

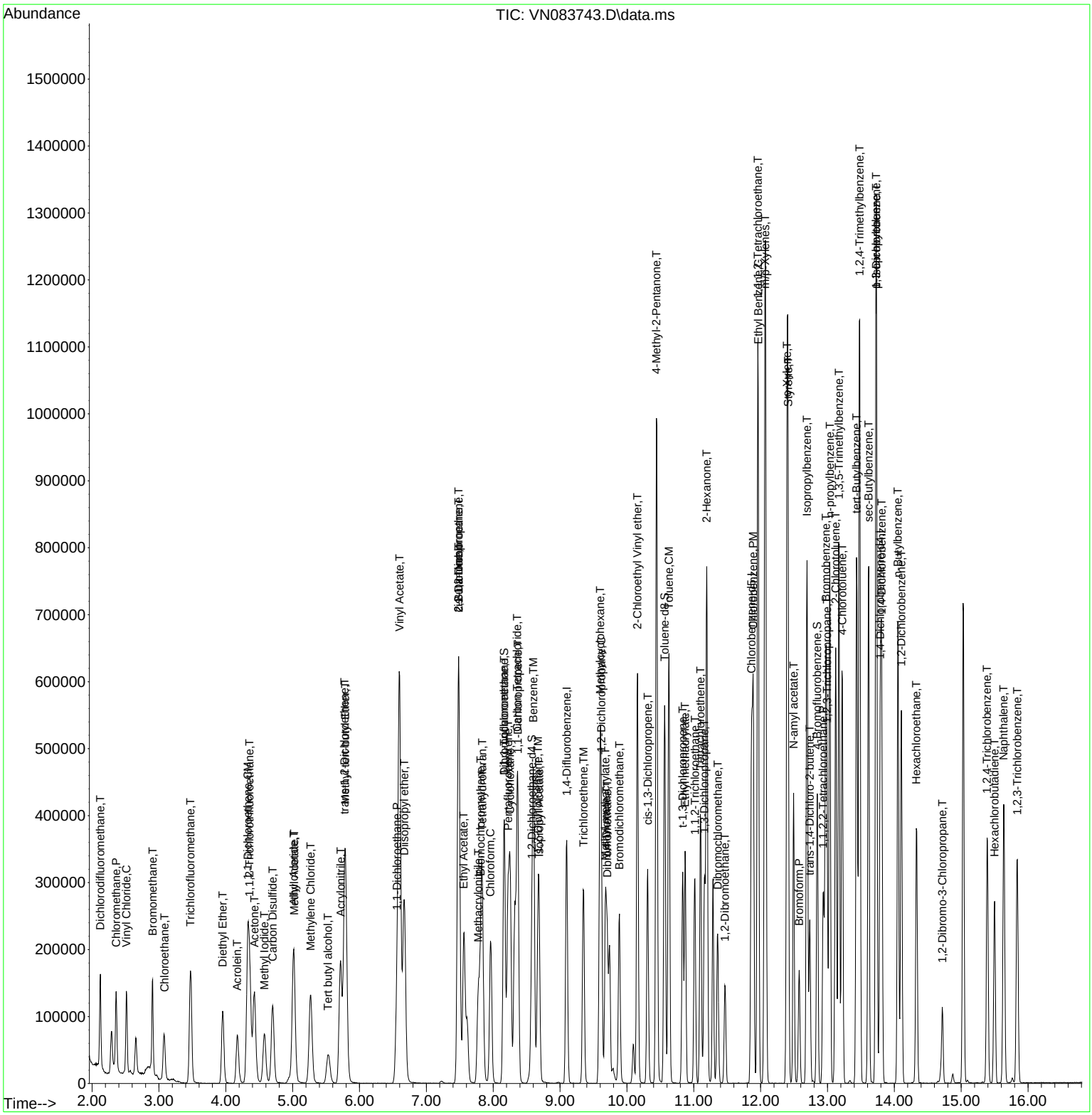
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083743.D
Acq On : 10 Sep 2024 09:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 01:54:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083745.D
Acq On : 10 Sep 2024 10:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:55:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	159723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	27018	11.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	22.440%#		
35) Dibromofluoromethane	8.165	113	19074	10.634	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	21.260%#		
50) Toluene-d8	10.565	98	67177	10.833	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	21.660%#		
62) 4-Bromofluorobenzene	12.847	95	25692	10.043	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	20.080%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	17832	9.613	ug/l	99
3) Chloromethane	2.359	50	19771	8.921	ug/l	92
4) Vinyl Chloride	2.518	62	19072	9.380	ug/l	100
5) Bromomethane	2.906	94	10815	9.264	ug/l	93
6) Chloroethane	3.077	64	14313	10.147	ug/l	91
7) Trichlorofluoromethane	3.471	101	30532	8.847	ug/l	99
8) Diethyl Ether	3.947	74	11175	9.660	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	16686	9.122	ug/l	98
10) Methyl Iodide	4.571	142	20736	8.913	ug/l	92
11) Tert butyl alcohol	5.536	59	14238	44.148	ug/l #	85
12) 1,1-Dichloroethene	4.324	96	15206	8.802	ug/l	93
13) Acrolein	4.165	56	16181	50.851	ug/l	95
14) Allyl chloride	5.018	41	28937	9.400	ug/l	97
15) Acrylonitrile	5.718	53	38879	44.329	ug/l	99
16) Acetone	4.430	43	39908	41.335	ug/l	97
17) Carbon Disulfide	4.700	76	43363	8.973	ug/l	98
18) Methyl Acetate	5.030	43	19195	7.983	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	56481	9.035	ug/l	97
20) Methylene Chloride	5.265	84	18112	9.167	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	16680	9.009	ug/l	96
22) Diisopropyl ether	6.677	45	57127	9.015	ug/l	95
23) Vinyl Acetate	6.600	43	200248	43.152	ug/l	99
24) 1,1-Dichloroethane	6.565	63	32397	8.874	ug/l	98
25) 2-Butanone	7.482	43	53716	42.331	ug/l	96
26) 2,2-Dichloropropane	7.482	77	29484	8.770	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	19822	9.019	ug/l	97
28) Bromochloromethane	7.818	49	15146	9.852	ug/l	97
29) Tetrahydrofuran	7.841	42	33637	44.830	ug/l	97
30) Chloroform	7.965	83	34532	8.910	ug/l	95
31) Cyclohexane	8.253	56	32476	9.330	ug/l	95
32) 1,1,1-Trichloroethane	8.159	97	31603	8.868	ug/l	96
36) 1,1-Dichloropropene	8.371	75	23317	8.637	ug/l	100
37) Ethyl Acetate	7.559	43	22049	8.998	ug/l #	86
38) Carbon Tetrachloride	8.359	117	26621	8.692	ug/l	98
39) Methylcyclohexane	9.594	83	26714	8.693	ug/l	97
40) Benzene	8.606	78	71965	8.856	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083745.D
Acq On : 10 Sep 2024 10:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 01:55:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	11838	8.168	ug/l		94
42) 1,2-Dichloroethane	8.671	62	27764	9.144	ug/l		98
43) Isopropyl Acetate	8.688	43	38533	8.677	ug/l		95
44) Trichloroethene	9.347	130	16783	8.919	ug/l		93
45) 1,2-Dichloropropane	9.618	63	16998	8.655	ug/l		94
46) Dibromomethane	9.706	93	12363	8.987	ug/l		99
47) Bromodichloromethane	9.888	83	25823	8.674	ug/l		97
48) Methyl methacrylate	9.682	41	18399	8.733	ug/l		98
49) 1,4-Dioxane	9.694	88	6088	175.652	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.441	43	106177	43.923	ug/l		96
52) Toluene	10.629	92	43293	8.710	ug/l		94
53) t-1,3-Dichloropropene	10.835	75	26156	8.667	ug/l		93
54) cis-1,3-Dichloropropene	10.306	75	28646	9.037	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	16191	8.725	ug/l		94
56) Ethyl methacrylate	10.870	69	24616	8.622	ug/l		94
57) 1,3-Dichloropropane	11.159	76	28273	8.865	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	49705	48.319	ug/l		100
59) 2-Hexanone	11.194	43	77251	43.201	ug/l		96
60) Dibromochloromethane	11.359	129	18769	9.038	ug/l		97
61) 1,2-Dibromoethane	11.470	107	15958	8.623	ug/l		99
64) Tetrachloroethene	11.100	164	14312	9.082	ug/l		97
65) Chlorobenzene	11.888	112	46098	8.753	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.959	131	16565	9.073	ug/l		99
67) Ethyl Benzene	11.965	91	82814	8.852	ug/l		100
68) m/p-Xylenes	12.070	106	61777	17.786	ug/l		100
69) o-Xylene	12.400	106	31015	9.224	ug/l		95
70) Styrene	12.412	104	47767	8.656	ug/l		96
71) Bromoform	12.576	173	10705	8.701	ug/l	#	99
73) Isopropylbenzene	12.694	105	76751	9.296	ug/l		99
74) N-amyl acetate	12.494	43	31640	8.982	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	22718	9.365	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	19154m	8.895	ug/l		
77) Bromobenzene	12.982	156	18859	9.489	ug/l		95
78) n-propylbenzene	13.035	91	86960	9.052	ug/l		99
79) 2-Chlorotoluene	13.123	91	57981	9.464	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	64636	9.286	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	6799	8.269	ug/l		85
82) 4-Chlorotoluene	13.223	91	56980	9.268	ug/l		99
83) tert-Butylbenzene	13.435	119	56069	9.207	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	65280	9.336	ug/l		99
85) sec-Butylbenzene	13.617	105	73381	9.085	ug/l		99
86) p-Isopropyltoluene	13.729	119	60366	8.916	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	33957	9.053	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	35292	9.293	ug/l		97
89) n-Butylbenzene	14.053	91	54517	8.968	ug/l		99
90) Hexachloroethane	14.329	117	12655	9.298	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	32924	9.096	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	4562	9.434	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	18092	9.314	ug/l		98
94) Hexachlorobutadiene	15.500	225	7717	9.355	ug/l		96
95) Naphthalene	15.641	128	55361	9.368	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	17348	9.345	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083745.D
Acq On : 10 Sep 2024 10:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:55:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

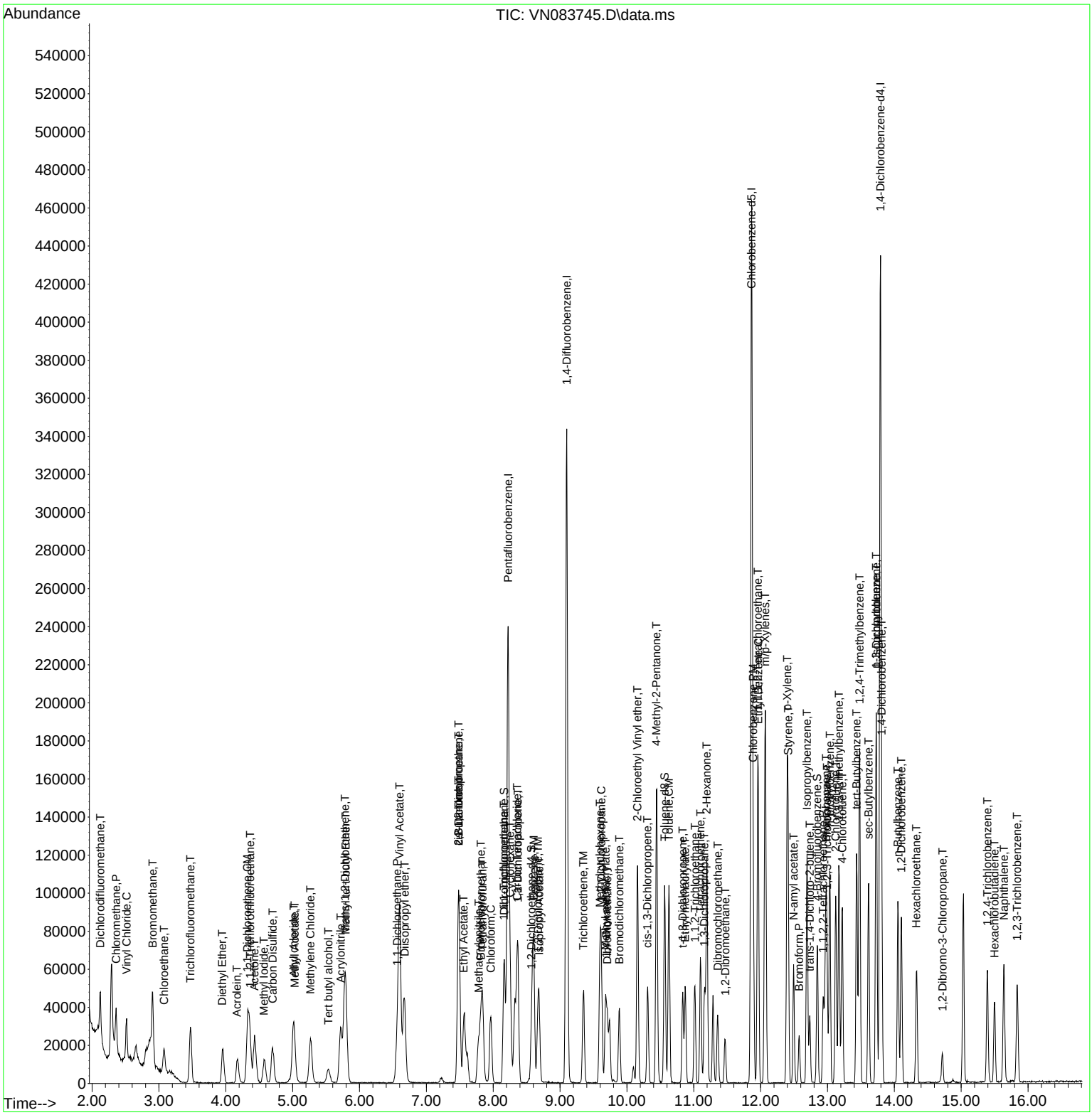
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083745.D
Acq On : 10 Sep 2024 10:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 01:55:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083746.D
Acq On : 10 Sep 2024 10:44
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:56:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	160063	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	280097	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	235735	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107014	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	9581	3.970	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	7.940%#			
35) Dibromofluoromethane	8.159	113	7953	4.435	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	8.880%#			
50) Toluene-d8	10.565	98	21320	3.439	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.880%#			
62) 4-Bromofluorobenzene	12.847	95	10808	4.226	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.460%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	8818	4.744	ug/l		92
3) Chloromethane	2.359	50	10519	3.837	ug/l		99
4) Vinyl Chloride	2.518	62	9914	4.866	ug/l		97
5) Bromomethane	2.900	94	6285	5.372	ug/l	#	76
6) Chloroethane	3.059	64	7426	5.254	ug/l		99
7) Trichlorofluoromethane	3.465	101	17145	4.957	ug/l		100
8) Diethyl Ether	3.953	74	5929	5.114	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.347	101	9276	5.060	ug/l		99
10) Methyl Iodide	4.577	142	11474	4.921	ug/l		92
11) Tert butyl alcohol	5.536	59	8809m	27.256	ug/l		
12) 1,1-Dichloroethene	4.324	96	8914	5.149	ug/l	#	78
13) Acrolein	4.177	56	8866	27.803	ug/l		100
14) Allyl chloride	5.012	41	14620	4.739	ug/l		95
15) Acrylonitrile	5.718	53	22170	25.224	ug/l		97
16) Acetone	4.436	43	22641	23.401	ug/l		97
17) Carbon Disulfide	4.694	76	23486	4.850	ug/l	#	90
18) Methyl Acetate	5.030	43	12028	4.269	ug/l	#	52
19) Methyl tert-butyl Ether	5.794	73	30995	4.948	ug/l		96
20) Methylene Chloride	5.271	84	9932	5.016	ug/l		97
21) trans-1,2-Dichloroethene	5.771	96	9883	5.327	ug/l		89
22) Diisopropyl ether	6.671	45	31379	4.941	ug/l	#	94
23) Vinyl Acetate	6.600	43	111530	23.983	ug/l		96
24) 1,1-Dichloroethane	6.559	63	18651	5.098	ug/l		97
25) 2-Butanone	7.488	43	30455	23.949	ug/l		98
26) 2,2-Dichloropropane	7.482	77	15899	4.719	ug/l		98
27) cis-1,2-Dichloroethene	7.482	96	10345	4.697	ug/l		93
28) Bromochloromethane	7.812	49	8604	5.585	ug/l	#	93
29) Tetrahydrofuran	7.835	42	18481	24.578	ug/l		97
30) Chloroform	7.965	83	19593	5.044	ug/l	#	82
31) Cyclohexane	8.253	56	19910	5.708	ug/l		95
32) 1,1,1-Trichloroethane	8.171	97	18099	5.068	ug/l	#	88
36) 1,1-Dichloropropene	8.371	75	13233	4.903	ug/l		99
37) Ethyl Acetate	7.559	43	12012	4.903	ug/l		97
38) Carbon Tetrachloride	8.359	117	15245	4.979	ug/l		98
39) Methylcyclohexane	9.600	83	14125	4.598	ug/l		87
40) Benzene	8.600	78	38828	4.780	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083746.D
Acq On : 10 Sep 2024 10:44
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 01:56:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	6706	4.628	ug/l		93
42) 1,2-Dichloroethane	8.665	62	14954	4.926	ug/l		98
43) Isopropyl Acetate	8.688	43	21656	4.878	ug/l		98
44) Trichloroethene	9.353	130	8567	4.554	ug/l		97
45) 1,2-Dichloropropane	9.623	63	9662	4.921	ug/l		95
46) Dibromomethane	9.706	93	6877	5.001	ug/l		99
47) Bromodichloromethane	9.888	83	14350	4.821	ug/l		98
48) Methyl methacrylate	9.682	41	10187	4.837	ug/l		97
49) 1,4-Dioxane	9.700	88	3281	94.692	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	58309	24.128	ug/l		98
52) Toluene	10.629	92	24590	4.949	ug/l		95
53) t-1,3-Dichloropropene	10.835	75	14280	4.733	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	14921	4.709	ug/l		94
55) 1,1,2-Trichloroethane	11.018	97	9040	4.873	ug/l		97
56) Ethyl methacrylate	10.870	69	13310	4.664	ug/l		97
57) 1,3-Dichloropropane	11.165	76	16337	5.124	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	24698	24.016	ug/l		99
59) 2-Hexanone	11.194	43	43752	24.475	ug/l		95
60) Dibromochloromethane	11.353	129	9573	4.611	ug/l		99
61) 1,2-Dibromoethane	11.470	107	8641	4.671	ug/l		98
64) Tetrachloroethene	11.100	164	8021	5.116	ug/l		85
65) Chlorobenzene	11.888	112	26054	4.973	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	8646	4.760	ug/l		94
67) Ethyl Benzene	11.965	91	44539	4.785	ug/l		97
68) m/p-Xylenes	12.070	106	32437	9.387	ug/l		99
69) o-Xylene	12.400	106	15741	4.706	ug/l		96
70) Styrene	12.412	104	25276	4.604	ug/l		96
71) Bromoform	12.576	173	6062	4.953	ug/l	#	98
73) Isopropylbenzene	12.694	105	40756	4.923	ug/l		95
74) N-amyl acetate	12.494	43	17318	4.903	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	12643	5.197	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	11052m	5.118	ug/l		
77) Bromobenzene	12.976	156	10137	5.087	ug/l		97
78) n-propylbenzene	13.035	91	46229	4.799	ug/l		100
79) 2-Chlorotoluene	13.123	91	30899	5.030	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	33407	4.786	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	4486	5.441	ug/l		92
82) 4-Chlorotoluene	13.217	91	31603	5.126	ug/l		99
83) tert-Butylbenzene	13.435	119	29174	4.777	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	34076	4.860	ug/l		97
85) sec-Butylbenzene	13.617	105	39964	4.934	ug/l		97
86) p-Isopropyltoluene	13.729	119	33478	4.931	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	19101	5.079	ug/l		96
88) 1,4-Dichlorobenzene	13.811	146	19522	5.126	ug/l		96
89) n-Butylbenzene	14.053	91	28757	4.718	ug/l		99
90) Hexachloroethane	14.335	117	6701	4.910	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	18983	5.230	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	2490	5.135	ug/l		91
93) 1,2,4-Trichlorobenzene	15.394	180	9707	4.983	ug/l		98
94) Hexachlorobutadiene	15.500	225	3988	4.821	ug/l		93
95) Naphthalene	15.641	128	29769	5.023	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	9363	5.030	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083746.D
Acq On : 10 Sep 2024 10:44
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:56:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

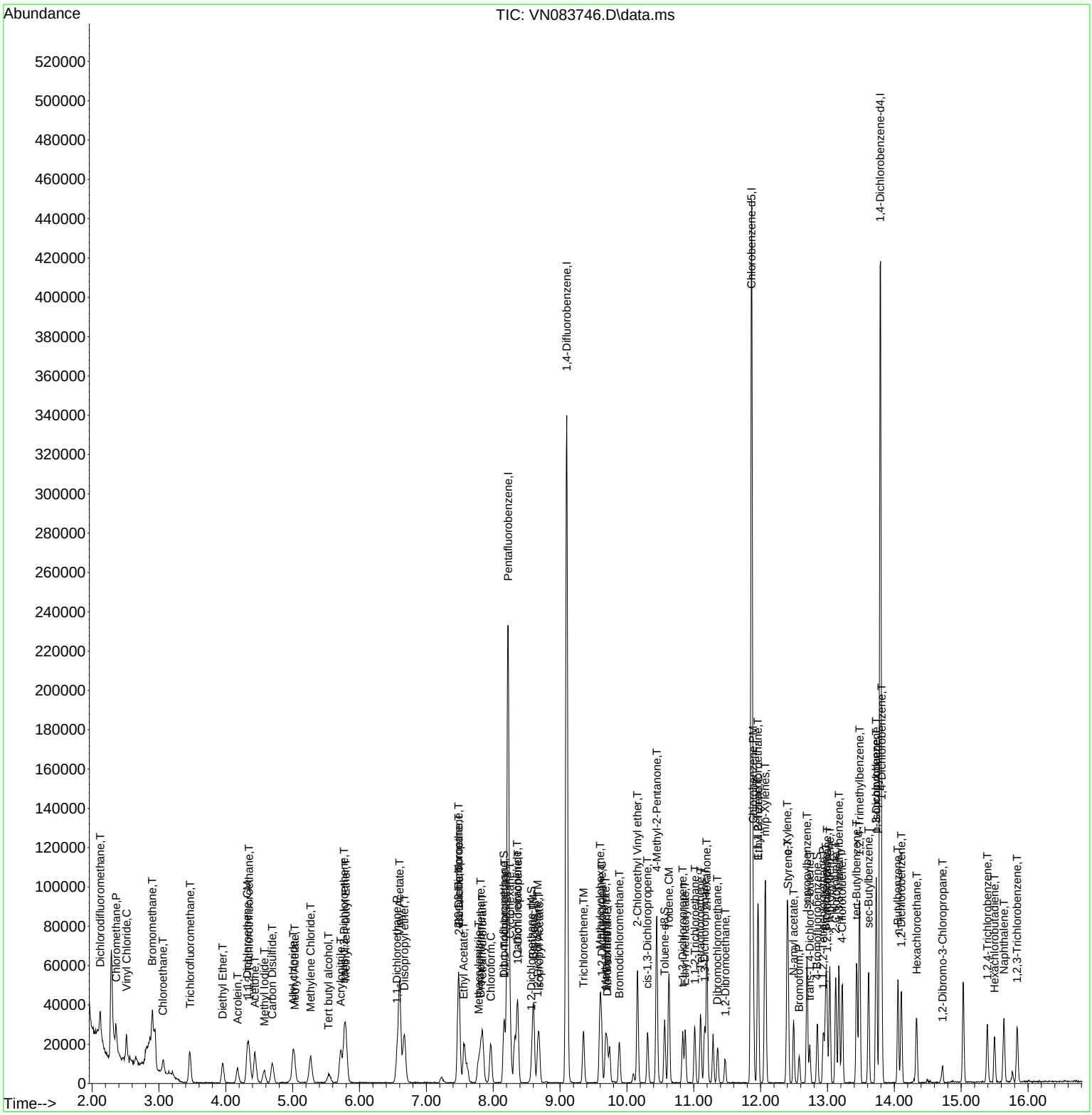
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083746.D
Acq On : 10 Sep 2024 10:44
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 01:56:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083747.D
Acq On : 10 Sep 2024 11:32
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 02:17:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:15:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	149471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	219654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#		
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	1767	1.018	ug/l	96
3) Chloromethane	2.359	50	3237m	1.531	ug/l	
4) Vinyl Chloride	2.512	62	1982	1.042	ug/l #	44
6) Chloroethane	3.065	64	1404m	1.064	ug/l	
7) Trichlorofluoromethane	3.471	101	3488	1.080	ug/l	96
8) Diethyl Ether	3.953	74	959	0.886	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.348	101	1583	0.925	ug/l #	65
12) 1,1-Dichloroethene	4.318	96	1527	0.945	ug/l	93
14) Allyl chloride	5.012	41	2756	0.957	ug/l #	80
15) Acrylonitrile	5.724	53	4223	5.145	ug/l	98
16) Acetone	4.436	43	4474	4.952	ug/l	95
17) Carbon Disulfide	4.700	76	5090	1.126	ug/l #	75
18) Methyl Acetate	5.036	43	3089m	1.407	ug/l	
19) Methyl tert-butyl Ether	5.794	73	5672	0.970	ug/l #	83
20) Methylene Chloride	5.277	84	1922	1.040	ug/l #	75
21) trans-1,2-Dichloroethene	5.765	96	1745	1.007	ug/l #	67
22) Diisopropyl ether	6.665	45	5555	0.937	ug/l #	92
23) Vinyl Acetate	6.600	43	19588	4.511	ug/l #	90
24) 1,1-Dichloroethane	6.565	63	3493	1.022	ug/l #	82
25) 2-Butanone	7.489	43	6127	5.160	ug/l #	57
26) 2,2-Dichloropropane	7.489	77	2982	0.948	ug/l	94
27) cis-1,2-Dichloroethene	7.477	96	2052	0.998	ug/l	92
28) Bromochloromethane	7.806	49	1257	0.874	ug/l #	90
29) Tetrahydrofuran	7.853	42	3436	4.893	ug/l	99
30) Chloroform	7.959	83	3528	0.973	ug/l	91
32) 1,1,1-Trichloroethane	8.159	97	3233	0.969	ug/l #	52
36) 1,1-Dichloropropene	8.371	75	2706	1.044	ug/l	85
37) Ethyl Acetate	7.547	43	2070	0.880	ug/l #	88
38) Carbon Tetrachloride	8.365	117	2768	0.942	ug/l #	76
39) Methylcyclohexane	9.606	83	2729	0.925	ug/l #	84
40) Benzene	8.594	78	7797	1.000	ug/l #	90
41) Methacrylonitrile	7.765	41	1496m	1.075	ug/l	
42) 1,2-Dichloroethane	8.671	62	2671	0.916	ug/l	83
43) Isopropyl Acetate	8.683	43	4202	0.986	ug/l #	98
44) Trichloroethene	9.347	130	1904	1.054	ug/l	99
45) 1,2-Dichloropropane	9.630	63	1824	0.968	ug/l #	83

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083747.D
Acq On : 10 Sep 2024 11:32
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 02:17:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:15:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.712	93	1144	0.866	ug/l		95
47) Bromodichloromethane	9.888	83	2654	0.929	ug/l	#	88
48) Methyl methacrylate	9.688	41	1957	0.968	ug/l		98
49) 1,4-Dioxane	9.700	88	754	22.664	ug/l	#	60
51) 4-Methyl-2-Pentanone	10.447	43	10889	4.693	ug/l		98
52) Toluene	10.624	92	4412	0.925	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	2794	0.965	ug/l		91
54) cis-1,3-Dichloropropene	10.312	75	2742	0.901	ug/l		90
55) 1,1,2-Trichloroethane	11.024	97	1858	1.043	ug/l	#	65
56) Ethyl methacrylate	10.871	69	2275	0.830	ug/l		96
57) 1,3-Dichloropropane	11.165	76	2755	0.900	ug/l		93
58) 2-Chloroethyl Vinyl ether	10.159	63	3831	3.880	ug/l		98
59) 2-Hexanone	11.194	43	7463	4.348	ug/l		95
60) Dibromochloromethane	11.353	129	1813	0.910	ug/l		92
61) 1,2-Dibromoethane	11.471	107	1838	1.035	ug/l		88
64) Tetrachloroethene	11.106	164	1497	1.025	ug/l		86
65) Chlorobenzene	11.888	112	5253	1.076	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.953	131	1672	0.988	ug/l	#	65
67) Ethyl Benzene	11.965	91	8403	0.969	ug/l		91
68) m/p-Xylenes	12.076	106	6267	1.946	ug/l		95
69) o-Xylene	12.394	106	2885	0.926	ug/l		98
70) Styrene	12.412	104	4834	0.945	ug/l		99
71) Bromoform	12.576	173	981	0.860	ug/l	#	92
73) Isopropylbenzene	12.694	105	6908	0.972	ug/l		99
74) N-amyl acetate	12.494	43	3100	1.022	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.935	83	2386	1.142	ug/l		84
76) 1,2,3-Trichloropropane	12.988	75	2066m	1.114	ug/l		
77) Bromobenzene	12.982	156	1996	1.167	ug/l		97
78) n-propylbenzene	13.035	91	8379	1.013	ug/l		98
79) 2-Chlorotoluene	13.123	91	5437	1.031	ug/l		95
80) 1,3,5-Trimethylbenzene	13.170	105	6080	1.015	ug/l		96
82) 4-Chlorotoluene	13.218	91	5495	1.038	ug/l		92
83) tert-Butylbenzene	13.435	119	5311	1.013	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	5912	0.982	ug/l		94
85) sec-Butylbenzene	13.618	105	6408	0.922	ug/l		93
86) p-Isopropyltoluene	13.729	119	5592	0.959	ug/l		95
87) 1,3-Dichlorobenzene	13.729	146	3851	1.193	ug/l		98
88) 1,4-Dichlorobenzene	13.818	146	3958m	1.210	ug/l		
89) n-Butylbenzene	14.053	91	5621	1.074	ug/l		93
90) Hexachloroethane	14.335	117	1285	1.097	ug/l		81
91) 1,2-Dichlorobenzene	14.106	146	3418	1.097	ug/l		90
92) 1,2-Dibromo-3-Chloropr...	14.717	75	404	0.970	ug/l	#	66
93) 1,2,4-Trichlorobenzene	15.394	180	1907	1.140	ug/l		90
94) Hexachlorobutadiene	15.500	225	848	1.194	ug/l	#	47
95) Naphthalene	15.641	128	5160	1.014	ug/l		97
96) 1,2,3-Trichlorobenzene	15.841	180	1803	1.128	ug/l		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

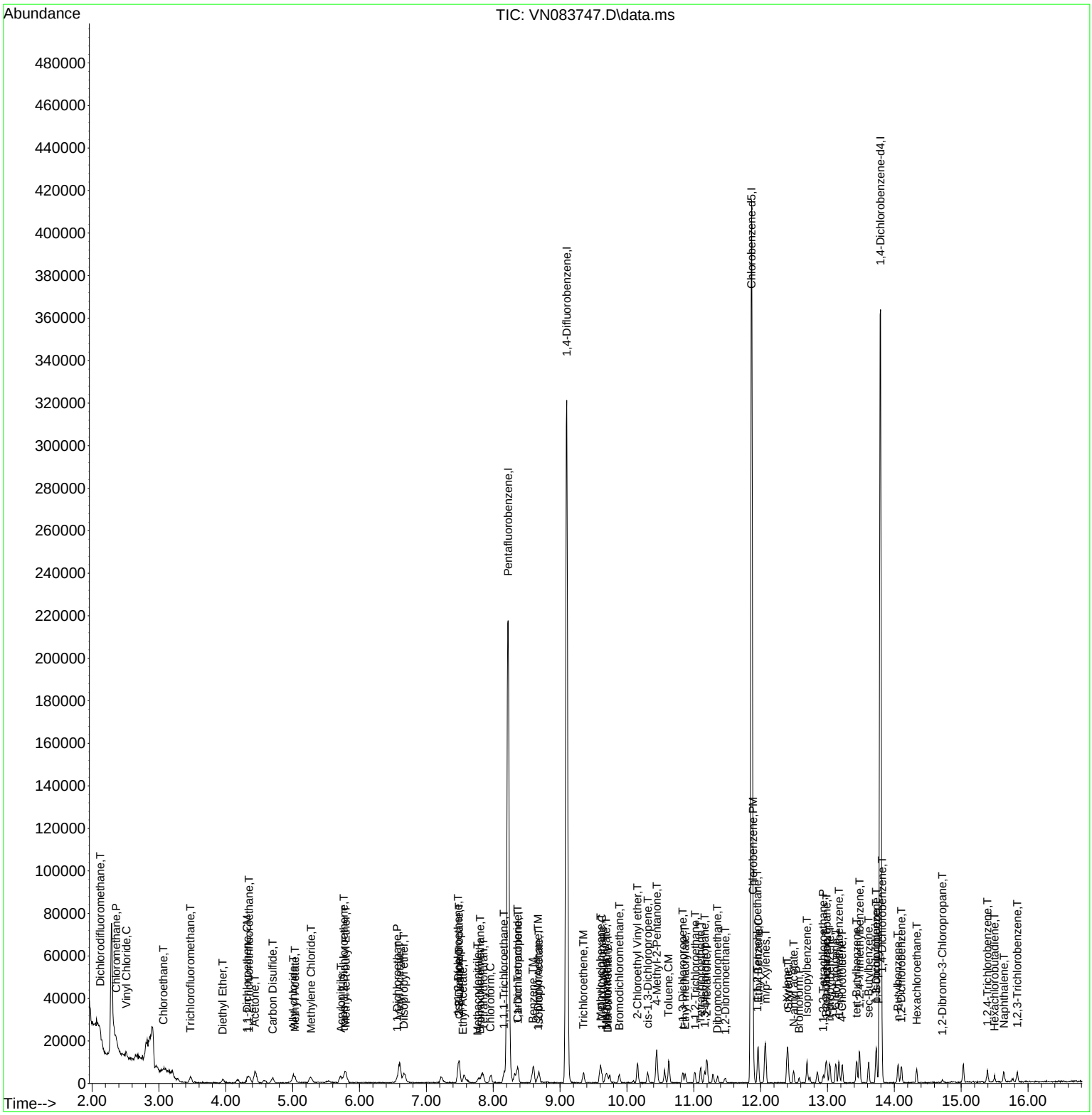
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083747.D
Acq On : 10 Sep 2024 11:32
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 02:17:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:15:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083749.D
Acq On : 10 Sep 2024 12:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:58:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	153102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	44799	19.406	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.820%#		
35) Dibromofluoromethane	8.159	113	33344	20.034	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.060%#		
50) Toluene-d8	10.565	98	117482	20.418	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.840%#		
62) 4-Bromofluorobenzene	12.847	95	52334	22.046	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	44.100%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	37820	21.271	ug/l	99
3) Chloromethane	2.359	50	42184	22.207	ug/l	95
4) Vinyl Chloride	2.512	62	42371	21.741	ug/l	93
5) Bromomethane	2.901	94	25120	22.449	ug/l	97
6) Chloroethane	3.071	64	29793	22.035	ug/l	92
7) Trichlorofluoromethane	3.471	101	75588	22.849	ug/l	98
8) Diethyl Ether	3.959	74	25651	23.131	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.353	101	41166	23.477	ug/l	98
10) Methyl Iodide	4.577	142	50200	22.511	ug/l	97
11) Tert butyl alcohol	5.542	59	35218	113.923	ug/l	98
12) 1,1-Dichloroethene	4.330	96	38356	23.162	ug/l	97
13) Acrolein	4.171	56	28707	94.116	ug/l	99
14) Allyl chloride	5.012	41	67821	22.985	ug/l	97
15) Acrylonitrile	5.718	53	96660	114.975	ug/l	100
16) Acetone	4.430	43	121335	131.110	ug/l	94
17) Carbon Disulfide	4.700	76	99836	21.553	ug/l	99
18) Methyl Acetate	5.018	43	45786	22.733	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	139123	23.217	ug/l	97
20) Methylene Chloride	5.265	84	43066	22.740	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	39218	22.099	ug/l	90
22) Diisopropyl ether	6.665	45	141158	23.239	ug/l	96
23) Vinyl Acetate	6.594	43	528904	118.904	ug/l	99
24) 1,1-Dichloroethane	6.565	63	79312	22.664	ug/l	99
25) 2-Butanone	7.483	43	150475	123.710	ug/l	100
26) 2,2-Dichloropropane	7.483	77	77312	23.990	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	48657	23.096	ug/l	98
28) Bromochloromethane	7.812	49	27780	18.851	ug/l	99
29) Tetrahydrofuran	7.841	42	83865	116.606	ug/l	99
30) Chloroform	7.959	83	87460	23.542	ug/l	90
31) Cyclohexane	8.253	56	73847	22.133	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	79170	23.176	ug/l	93
36) 1,1-Dichloropropene	8.365	75	57819	23.081	ug/l	99
37) Ethyl Acetate	7.559	43	54774	24.088	ug/l	97
38) Carbon Tetrachloride	8.359	117	66860	23.526	ug/l	99
39) Methylcyclohexane	9.600	83	68785	24.123	ug/l	97
40) Benzene	8.600	78	180938	23.997	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083749.D
Acq On : 10 Sep 2024 12:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 01:58:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	31140	23.154	ug/l		98
42) 1,2-Dichloroethane	8.665	62	68226	24.216	ug/l		99
43) Isopropyl Acetate	8.688	43	97966	23.775	ug/l		98
44) Trichloroethene	9.353	130	40782	23.356	ug/l		96
45) 1,2-Dichloropropane	9.618	63	44560	24.451	ug/l		98
46) Dibromomethane	9.706	93	30954	24.250	ug/l		97
47) Bromodichloromethane	9.882	83	66147	23.945	ug/l	#	94
48) Methyl methacrylate	9.677	41	46788	23.933	ug/l		98
49) 1,4-Dioxane	9.694	88	14984	465.914	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.441	43	270783	120.721	ug/l		97
52) Toluene	10.629	92	110278	23.911	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	65148	23.266	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	70696	24.035	ug/l		94
55) 1,1,2-Trichloroethane	11.018	97	40247	23.375	ug/l		96
56) Ethyl methacrylate	10.871	69	65086	24.569	ug/l		96
57) 1,3-Dichloropropane	11.159	76	70916	23.964	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	97384	102.024	ug/l		98
59) 2-Hexanone	11.194	43	210382	126.795	ug/l		98
60) Dibromochloromethane	11.359	129	45716	23.725	ug/l		99
61) 1,2-Dibromoethane	11.471	107	40643	23.669	ug/l		98
64) Tetrachloroethene	11.106	164	34851	22.688	ug/l		93
65) Chlorobenzene	11.888	112	116122	22.620	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	41153	23.124	ug/l		98
67) Ethyl Benzene	11.965	91	210713	23.106	ug/l		97
68) m/p-Xylenes	12.071	106	158230	46.734	ug/l		100
69) o-Xylene	12.400	106	76822	23.438	ug/l		99
70) Styrene	12.412	104	125129	23.262	ug/l		98
71) Bromoform	12.576	173	27805	23.185	ug/l	#	99
73) Isopropylbenzene	12.694	105	198534	21.379	ug/l		100
74) N-amyl acetate	12.494	43	83761	21.141	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	55934	20.500	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	49535m	20.452	ug/l		
77) Bromobenzene	12.982	156	44670	19.984	ug/l		100
78) n-propylbenzene	13.035	91	229309	21.223	ug/l		99
79) 2-Chlorotoluene	13.123	91	147252	21.370	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	167379	21.379	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18748	20.274	ug/l	#	80
82) 4-Chlorotoluene	13.223	91	143958	20.818	ug/l		99
83) tert-Butylbenzene	13.441	119	147261	21.499	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	167470	21.294	ug/l		100
85) sec-Butylbenzene	13.618	105	197117	21.699	ug/l		98
86) p-Isopropyltoluene	13.729	119	160758	21.110	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	84190	19.957	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	82492	19.311	ug/l		99
89) n-Butylbenzene	14.059	91	140204	20.506	ug/l		99
90) Hexachloroethane	14.335	117	31578	20.629	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	83557	20.523	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	11364	20.893	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	42008	19.228	ug/l		98
94) Hexachlorobutadiene	15.500	225	19047	20.528	ug/l		99
95) Naphthalene	15.641	128	128956	19.401	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	40335	19.317	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083749.D
Acq On : 10 Sep 2024 12:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 01:58:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

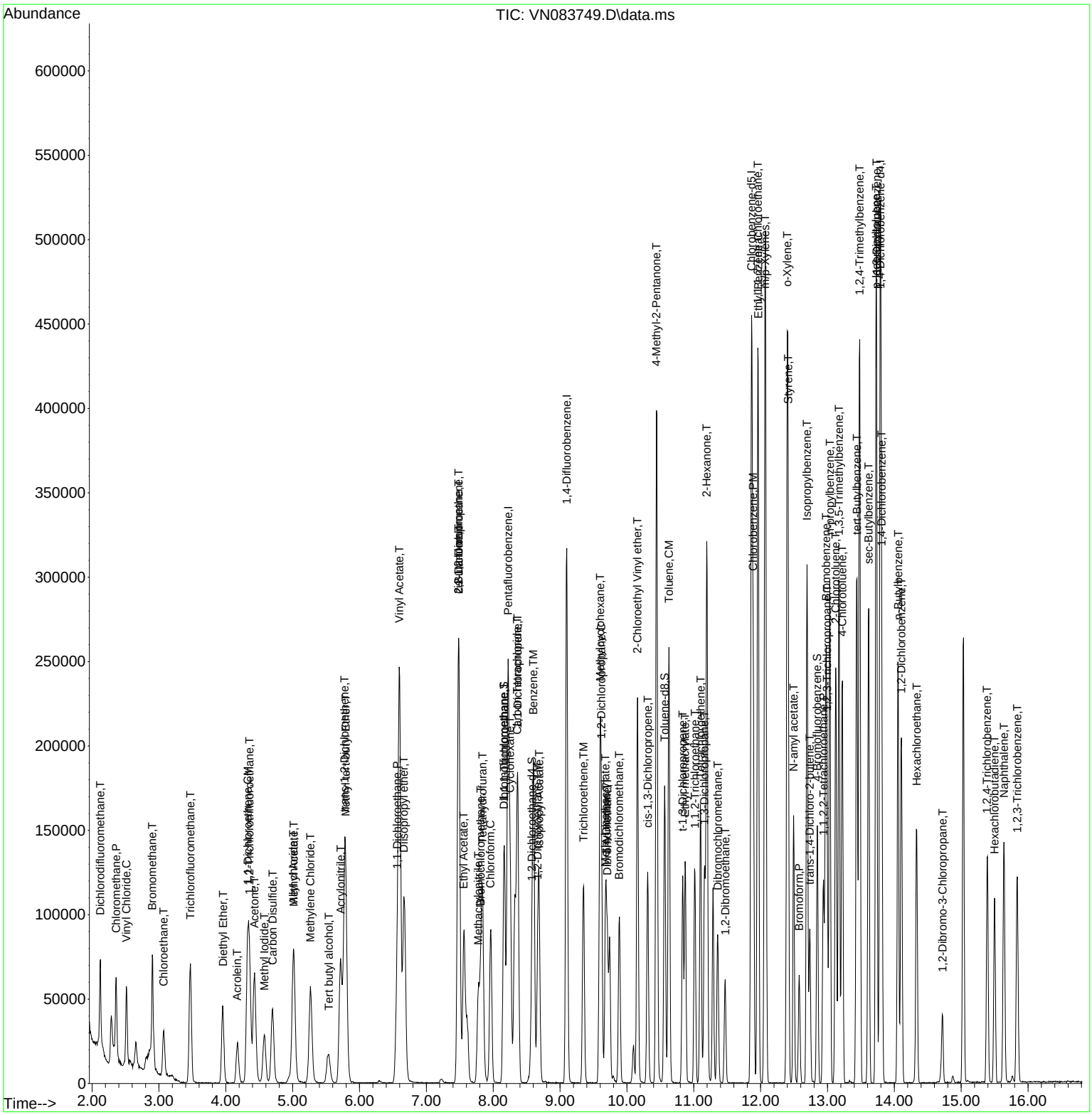
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083749.D
Acq On : 10 Sep 2024 12:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 01:58:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 01:38:19 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	166715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	279593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123469	49.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.240%			
35) Dibromofluoromethane	8.159	113	89241	49.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	10.565	98	327030	52.850	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.700%			
62) 4-Bromofluorobenzene	12.847	95	128312	50.260	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	102269	52.821	ug/l	96
3) Chloromethane	2.359	50	103182	52.272	ug/l	93
4) Vinyl Chloride	2.512	62	105842	49.874	ug/l	99
5) Bromomethane	2.901	94	59692	48.990	ug/l	98
6) Chloroethane	3.077	64	70920	47.641	ug/l	99
7) Trichlorofluoromethane	3.477	101	180010	49.971	ug/l	97
8) Diethyl Ether	3.953	74	61593	51.008	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	98415	51.544	ug/l	98
10) Methyl Iodide	4.577	142	126109	51.932	ug/l	97
11) Tert butyl alcohol	5.530	59	83810	248.972	ug/l	100
12) 1,1-Dichloroethene	4.330	96	92652	51.382	ug/l	98
13) Acrolein	4.171	56	73660	221.776	ug/l	99
14) Allyl chloride	5.012	41	164420	51.173	ug/l	98
15) Acrylonitrile	5.712	53	231624	253.015	ug/l	99
16) Acetone	4.424	43	253986	252.037	ug/l	98
17) Carbon Disulfide	4.700	76	246645	48.898	ug/l	100
18) Methyl Acetate	5.024	43	110366	52.663	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	329011	50.422	ug/l	99
20) Methylene Chloride	5.271	84	99954	48.470	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	94729	49.020	ug/l	97
22) Diisopropyl ether	6.671	45	339994	51.404	ug/l	97
23) Vinyl Acetate	6.600	43	1293827	267.118	ug/l	99
24) 1,1-Dichloroethane	6.559	63	187715	49.262	ug/l	99
25) 2-Butanone	7.477	43	338271	255.394	ug/l	98
26) 2,2-Dichloropropane	7.489	77	181899	51.834	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	115321	50.270	ug/l	98
28) Bromochloromethane	7.806	49	83573	52.080	ug/l	97
29) Tetrahydrofuran	7.836	42	204115	260.627	ug/l	99
30) Chloroform	7.965	83	202830	50.138	ug/l	94
31) Cyclohexane	8.253	56	173023	47.623	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	187174	50.318	ug/l	99
36) 1,1-Dichloropropene	8.365	75	139150	51.650	ug/l	99
37) Ethyl Acetate	7.553	43	134383	54.953	ug/l	99
38) Carbon Tetrachloride	8.359	117	163561	53.514	ug/l	99
39) Methylcyclohexane	9.600	83	169844	55.386	ug/l	98
40) Benzene	8.600	78	425950	52.529	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	78230	54.088	ug/l		99
42) 1,2-Dichloroethane	8.671	62	159957	52.791	ug/l		100
43) Isopropyl Acetate	8.688	43	235666	53.180	ug/l		97
44) Trichloroethene	9.347	130	97854	52.111	ug/l		95
45) 1,2-Dichloropropane	9.618	63	103105	52.608	ug/l		96
46) Dibromomethane	9.706	93	73906	53.838	ug/l		98
47) Bromodichloromethane	9.883	83	157512	53.018	ug/l		96
48) Methyl methacrylate	9.683	41	116089	55.216	ug/l		97
49) 1,4-Dioxane	9.694	88	36346	1050.868	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	658160	272.839	ug/l		99
52) Toluene	10.630	92	266506	53.732	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	165901	55.091	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	170616	53.937	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	98280	53.075	ug/l		99
56) Ethyl methacrylate	10.871	69	163284	57.314	ug/l		98
57) 1,3-Dichloropropane	11.159	76	169155	53.152	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	247009	240.626	ug/l		98
59) 2-Hexanone	11.194	43	502171	281.422	ug/l		98
60) Dibromochloromethane	11.359	129	114660	55.330	ug/l		99
61) 1,2-Dibromoethane	11.471	107	97924	53.026	ug/l		99
64) Tetrachloroethene	11.100	164	83365	49.891	ug/l		99
65) Chlorobenzene	11.888	112	277685	49.726	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	100138	51.726	ug/l		100
67) Ethyl Benzene	11.965	91	525097	52.932	ug/l		99
68) m/p-Xylenes	12.071	106	392558	106.586	ug/l		99
69) o-Xylene	12.394	106	190067	53.308	ug/l		99
70) Styrene	12.412	104	316306	54.056	ug/l		98
71) Bromoform	12.576	173	72274	55.401	ug/l	#	99
73) Isopropylbenzene	12.694	105	502513	52.053	ug/l		100
74) N-amyl acetate	12.494	43	214365	52.045	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	136889	48.260	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	119528m	48.674	ug/l		
77) Bromobenzene	12.976	156	111312	47.901	ug/l		99
78) n-propylbenzene	13.035	91	586056	52.176	ug/l		100
79) 2-Chlorotoluene	13.123	91	360422	50.314	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	424866	52.201	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	50495	52.525	ug/l		93
82) 4-Chlorotoluene	13.223	91	361895	50.343	ug/l		99
83) tert-Butylbenzene	13.435	119	371848	52.220	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	432216	52.865	ug/l		99
85) sec-Butylbenzene	13.618	105	507912	53.783	ug/l		100
86) p-Isopropyltoluene	13.729	119	427591	54.013	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	214469	48.903	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	212191	47.783	ug/l		99
89) n-Butylbenzene	14.053	91	371682	52.293	ug/l		100
90) Hexachloroethane	14.335	117	81433	51.172	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	208015	49.147	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29799	52.701	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	112159	49.382	ug/l		98
94) Hexachlorobutadiene	15.500	225	47012	48.740	ug/l		99
95) Naphthalene	15.641	128	356695	51.621	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	105270	48.497	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

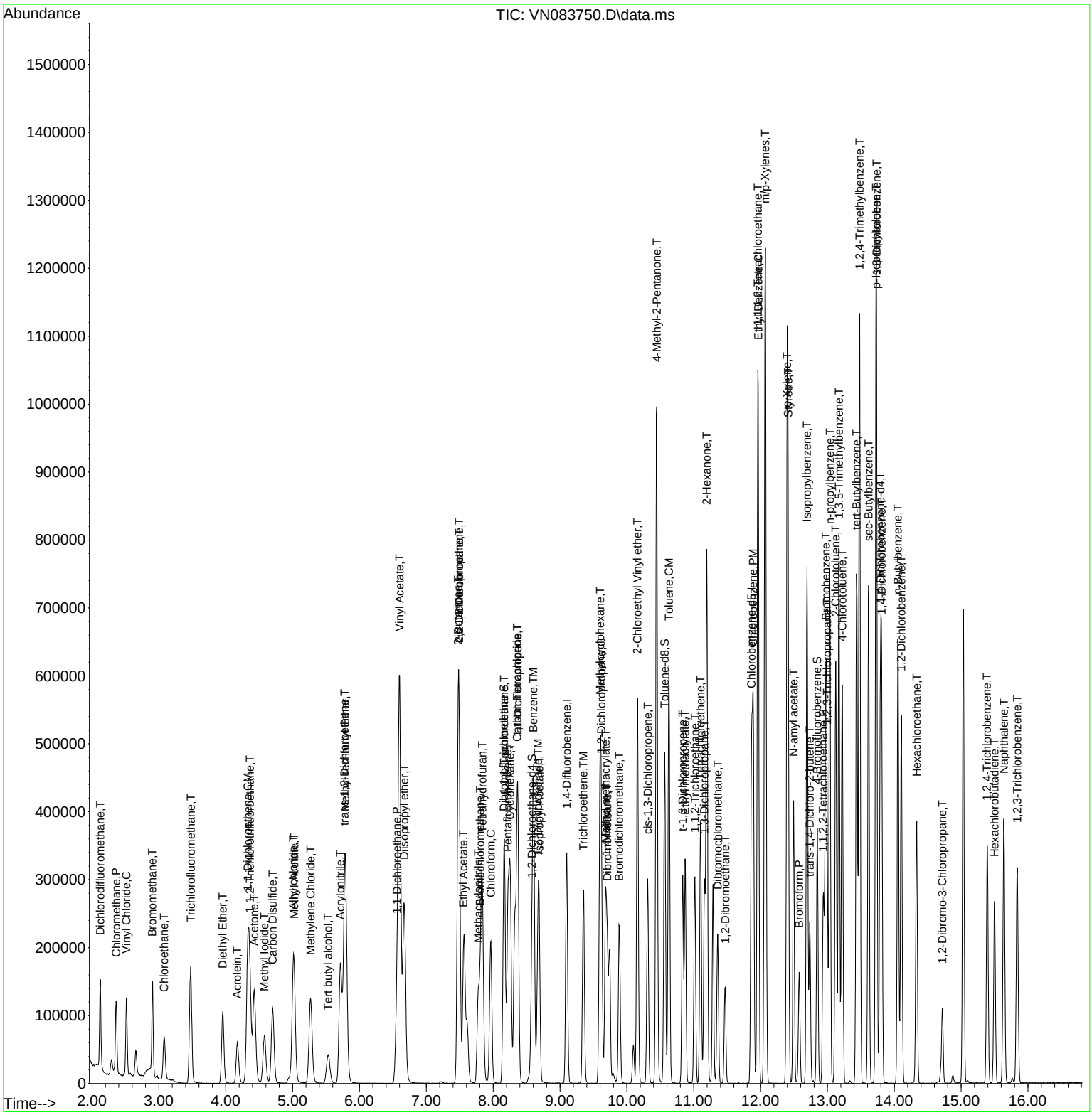
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Manual Integrations APPROVED

Reviewed By :John Carlone 09/11/2024
Supervised By :Semsettin Yesilyurt 09/11/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.581	0.613	-5.5	99	0.00
3	P	Chloromethane	0.707	0.619	12.4	96	0.00
4	C	Vinyl Chloride	0.636	0.635	0.2#	93	0.00
5	T	Bromomethane	0.365	0.358	1.9	96	0.00
6	T	Chloroethane	0.446	0.425	4.7	95	0.00
7	T	Trichlorofluoromethane	1.080	1.080	0.0	98	0.00
8	T	Diethyl Ether	0.362	0.369	-1.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.573	0.590	-3.0	97	0.00
10	T	Methyl Iodide	0.728	0.756	-3.8	96	0.00
11	T	Tert butyl alcohol	0.101	0.101	0.0	96	0.00
12	CM	1,1-Dichloroethene	0.541	0.556	-2.8#	96	0.00
13	T	Acrolein	0.100	0.088	12.0	82	0.00
14	T	Allyl chloride	0.964	0.986	-2.3	95	0.00
15	T	Acrylonitrile	0.275	0.278	-1.1	97	0.00
16	T	Acetone	0.302	0.305	-1.0	99	0.00
17	T	Carbon Disulfide	1.513	1.479	2.2	93	0.00
18	T	Methyl Acetate	0.735	0.662	9.9	96	0.00
19	T	Methyl tert-butyl Ether	1.957	1.973	-0.8	95	0.00
20	T	Methylene Chloride	0.618	0.600	2.9	95	0.00
21	T	trans-1,2-Dichloroethene	0.580	0.568	2.1	94	0.00
22	T	Diisopropyl ether	1.984	2.039	-2.8	96	0.00
23	T	Vinyl Acetate	1.453	1.552	-6.8	97	0.00
24	P	1,1-Dichloroethane	1.143	1.126	1.5	95	0.00
25	T	2-Butanone	0.397	0.406	-2.3	100	0.00
26	T	2,2-Dichloropropane	1.052	1.091	-3.7	96	0.00
27	T	cis-1,2-Dichloroethene	0.688	0.692	-0.6	93	0.00
28	T	Bromochloromethane	0.481	0.501	-4.2	92	0.00
29	T	Tetrahydrofuran	0.235	0.245	-4.3	98	0.00
30	C	Chloroform	1.213	1.217	-0.3#	96	0.00
31	T	Cyclohexane	1.090	1.038	4.8	99	0.00
32	T	1,1,1-Trichloroethane	1.116	1.123	-0.6	95	0.00
33	S	1,2-Dichloroethane-d4	0.754	0.741	1.7	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.320	0.319	0.3	86	0.00
36	T	1,1-Dichloropropene	0.482	0.498	-3.3	97	0.00
37	T	Ethyl Acetate	0.437	0.481	-10.1	96	0.00
38	T	Carbon Tetrachloride	0.547	0.585	-6.9	96	0.00
39	T	Methylcyclohexane	0.548	0.607	-10.8	97	0.00
40	TM	Benzene	1.450	1.523	-5.0	97	0.00
41	T	Methacrylonitrile	0.259	0.280	-8.1	97	0.00
42	TM	1,2-Dichloroethane	0.542	0.572	-5.5	96	0.00
43	T	Isopropyl Acetate	0.792	0.843	-6.4	97	0.00
44	TM	Trichloroethene	0.336	0.350	-4.2	94	0.00
45	C	1,2-Dichloropropane	0.350	0.369	-5.4#	97	0.00
46	T	Dibromomethane	0.245	0.264	-7.8	95	0.00
47	T	Bromodichloromethane	0.531	0.563	-6.0	94	0.00
48	T	Methyl methacrylate	0.376	0.415	-10.4	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	99	0.00
50	S	Toluene-d8	1.107	1.170	-5.7	84	0.00
51	T	4-Methyl-2-Pentanone	0.431	0.471	-9.3	97	0.00
52	CM	Toluene	0.887	0.953	-7.4#	96	0.00
53	T	t-1,3-Dichloropropene	0.539	0.593	-10.0	97	0.00
54	T	cis-1,3-Dichloropropene	0.566	0.610	-7.8	95	0.00
55	T	1,1,2-Trichloroethane	0.331	0.352	-6.3	98	0.00
56	T	Ethyl methacrylate	0.509	0.584	-14.7	96	0.00
57	T	1,3-Dichloropropane	0.569	0.605	-6.3	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.184	0.177	3.8	94	0.00
59	T	2-Hexanone	0.319	0.359	-12.5	100	0.00
60	T	Dibromochloromethane	0.371	0.410	-10.5	96	0.00
61	T	1,2-Dibromoethane	0.330	0.350	-6.1	97	0.00
62	S	4-Bromofluorobenzene	0.457	0.459	-0.4	86	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.333	0.332	0.3	98	0.00
65	PM	Chlorobenzene	1.111	1.105	0.5	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.385	0.399	-3.6	96	0.00
67	C	Ethyl Benzene	1.974	2.090	-5.9#	97	0.00
68	T	m/p-Xylenes	0.733	0.781	-6.5	98	0.00
69	T	o-Xylene	0.710	0.756	-6.5	97	0.00
70	T	Styrene	1.164	1.259	-8.2	96	0.00
71	P	Bromoform	0.260	0.288	-10.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.868	4.027	-4.1	97	0.00
74	T	N-amyl acetate	1.650	1.718	-4.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	1.137	1.097	3.5	98	0.00
76	T	1,2,3-Trichloropropane	1.009	0.958	5.1	99	0.00
77	T	Bromobenzene	0.931	0.892	4.2	97	0.00
78	T	n-propylbenzene	4.501	4.697	-4.4	97	0.00
79	T	2-Chlorotoluene	2.870	2.888	-0.6	98	0.00
80	T	1,3,5-Trimethylbenzene	3.261	3.405	-4.4	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.385	0.405	-5.2	96	0.00
82	T	4-Chlorotoluene	2.880	2.900	-0.7	96	0.00
83	T	tert-Butylbenzene	2.853	2.980	-4.5	97	0.00
84	T	1,2,4-Trimethylbenzene	3.276	3.464	-5.7	97	0.00
85	T	sec-Butylbenzene	3.784	4.070	-7.6	98	0.00
86	T	p-Isopropyltoluene	3.172	3.427	-8.0	97	0.00
87	T	1,3-Dichlorobenzene	1.757	1.719	2.2	97	0.00
88	T	1,4-Dichlorobenzene	1.779	1.701	4.4	96	0.00
89	T	n-Butylbenzene	2.848	2.979	-4.6	97	0.00
90	T	Hexachloroethane	0.638	0.653	-2.4	100	0.00
91	T	1,2-Dichlorobenzene	1.696	1.667	1.7	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.227	0.239	-5.3	99	0.00
93	T	1,2,4-Trichlorobenzene	0.910	0.899	1.2	94	0.00
94	T	Hexachlorobutadiene	0.386	0.377	2.3	99	0.00
95	T	Naphthalene	2.769	2.859	-3.3	93	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.870	0.844	3.0	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	52.821	-5.6	99	0.00
3	P	Chloromethane	50.000	52.272	-4.5	96	0.00
4	C	Vinyl Chloride	50.000	49.874	0.3#	93	0.00
5	T	Bromomethane	50.000	48.990	2.0	96	0.00
6	T	Chloroethane	50.000	47.641	4.7	95	0.00
7	T	Trichlorofluoromethane	50.000	49.971	0.1	98	0.00
8	T	Diethyl Ether	50.000	51.008	-2.0	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.544	-3.1	97	0.00
10	T	Methyl Iodide	50.000	51.932	-3.9	96	0.00
11	T	Tert butyl alcohol	250.000	248.972	0.4	96	0.00
12	CM	1,1-Dichloroethene	50.000	51.382	-2.8#	96	0.00
13	T	Acrolein	250.000	221.776	11.3	82	0.00
14	T	Allyl chloride	50.000	51.173	-2.3	95	0.00
15	T	Acrylonitrile	250.000	253.015	-1.2	97	0.00
16	T	Acetone	250.000	252.037	-0.8	99	0.00
17	T	Carbon Disulfide	50.000	48.898	2.2	93	0.00
18	T	Methyl Acetate	50.000	52.663	-5.3	96	0.00
19	T	Methyl tert-butyl Ether	50.000	50.422	-0.8	95	0.00
20	T	Methylene Chloride	50.000	48.470	3.1	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.020	2.0	94	0.00
22	T	Diisopropyl ether	50.000	51.404	-2.8	96	0.00
23	T	Vinyl Acetate	250.000	267.118	-6.8	97	0.00
24	P	1,1-Dichloroethane	50.000	49.262	1.5	95	0.00
25	T	2-Butanone	250.000	255.394	-2.2	100	0.00
26	T	2,2-Dichloropropane	50.000	51.834	-3.7	96	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.270	-0.5	93	0.00
28	T	Bromochloromethane	50.000	52.080	-4.2	92	0.00
29	T	Tetrahydrofuran	250.000	260.627	-4.3	98	0.00
30	C	Chloroform	50.000	50.138	-0.3#	96	0.00
31	T	Cyclohexane	50.000	47.623	4.8	99	0.00
32	T	1,1,1-Trichloroethane	50.000	50.318	-0.6	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.116	1.8	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	49.858	0.3	86	0.00
36	T	1,1-Dichloropropene	50.000	51.650	-3.3	97	0.00
37	T	Ethyl Acetate	50.000	54.953	-9.9	96	0.00
38	T	Carbon Tetrachloride	50.000	53.514	-7.0	96	0.00
39	T	Methylcyclohexane	50.000	55.386	-10.8	97	0.00
40	TM	Benzene	50.000	52.529	-5.1	97	0.00
41	T	Methacrylonitrile	50.000	54.088	-8.2	97	0.00
42	TM	1,2-Dichloroethane	50.000	52.791	-5.6	96	0.00
43	T	Isopropyl Acetate	50.000	53.180	-6.4	97	0.00
44	TM	Trichloroethene	50.000	52.111	-4.2	94	0.00
45	C	1,2-Dichloropropane	50.000	52.608	-5.2#	97	0.00
46	T	Dibromomethane	50.000	53.838	-7.7	95	0.00
47	T	Bromodichloromethane	50.000	53.018	-6.0	94	0.00
48	T	Methyl methacrylate	50.000	55.216	-10.4	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1050.868	-5.1	99	0.00
50	S	Toluene-d8	50.000	52.850	-5.7	84	0.00
51	T	4-Methyl-2-Pentanone	250.000	272.839	-9.1	97	0.00
52	CM	Toluene	50.000	53.732	-7.5#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	55.091	-10.2	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.937	-7.9	95	0.00
55	T	1,1,2-Trichloroethane	50.000	53.075	-6.2	98	0.00
56	T	Ethyl methacrylate	50.000	57.314	-14.6	96	0.00
57	T	1,3-Dichloropropane	50.000	53.152	-6.3	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	240.626	3.7	94	0.00
59	T	2-Hexanone	250.000	281.422	-12.6	100	0.00
60	T	Dibromochloromethane	50.000	55.330	-10.7	96	0.00
61	T	1,2-Dibromoethane	50.000	53.026	-6.1	97	0.00
62	S	4-Bromofluorobenzene	50.000	50.260	-0.5	86	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	49.891	0.2	98	0.00
65	PM	Chlorobenzene	50.000	49.726	0.5	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.726	-3.5	96	0.00
67	C	Ethyl Benzene	50.000	52.932	-5.9#	97	0.00
68	T	m/p-Xylenes	100.000	106.586	-6.6	98	0.00
69	T	o-Xylene	50.000	53.308	-6.6	97	0.00
70	T	Styrene	50.000	54.056	-8.1	96	0.00
71	P	Bromoform	50.000	55.401	-10.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	52.053	-4.1	97	0.00
74	T	N-amyl acetate	50.000	52.045	-4.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.260	3.5	98	0.00
76	T	1,2,3-Trichloropropane	50.000	48.674	2.7	99	0.00
77	T	Bromobenzene	50.000	47.901	4.2	97	0.00
78	T	n-propylbenzene	50.000	52.176	-4.4	97	0.00
79	T	2-Chlorotoluene	50.000	50.314	-0.6	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.201	-4.4	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.525	-5.0	96	0.00
82	T	4-Chlorotoluene	50.000	50.343	-0.7	96	0.00
83	T	tert-Butylbenzene	50.000	52.220	-4.4	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.865	-5.7	97	0.00
85	T	sec-Butylbenzene	50.000	53.783	-7.6	98	0.00
86	T	p-Isopropyltoluene	50.000	54.013	-8.0	97	0.00
87	T	1,3-Dichlorobenzene	50.000	48.903	2.2	97	0.00
88	T	1,4-Dichlorobenzene	50.000	47.783	4.4	96	0.00
89	T	n-Butylbenzene	50.000	52.293	-4.6	97	0.00
90	T	Hexachloroethane	50.000	51.172	-2.3	100	0.00
91	T	1,2-Dichlorobenzene	50.000	49.147	1.7	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.701	-5.4	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.382	1.2	94	0.00
94	T	Hexachlorobutadiene	50.000	48.740	2.5	99	0.00
95	T	Naphthalene	50.000	51.621	-3.2	93	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083750.D
Acq On : 10 Sep 2024 13:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091024

Quant Time: Sep 11 03:12:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.497	3.0	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG No.: P4103

Instrument ID: MSVOA_N Calibration Date/Time: 09/21/2024 00:20

Lab File ID: VN084080.D Init. Calib. Date(s): 09/10/2024 09/10/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:08 12:43

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.636	0.593		-6.76	20
1,1-Dichloroethane	1.143	1.213	0.1	6.12	20
2-Butanone	0.397	0.454		14.36	20
Carbon Tetrachloride	0.547	0.564		3.11	20
Chloroform	1.213	1.298		7.01	20
Benzene	1.450	1.489		2.69	20
1,2-Dichloroethane	0.542	0.566		4.43	20
Trichloroethene	0.336	0.335		-0.3	20
Toluene	0.887	0.932		5.07	20
Tetrachloroethene	0.333	0.332		-0.3	20
Chlorobenzene	1.111	1.108	0.3	-0.27	20
Ethyl Benzene	1.974	2.052		3.95	20
m/p-Xylenes	0.733	0.760		3.68	20
o-Xylene	0.710	0.735		3.52	20
1,2-Dichloroethane-d4	0.754	0.773		2.52	20
Dibromofluoromethane	0.320	0.321		0.31	20
Toluene-d8	1.107	1.141		3.07	20
4-Bromofluorobenzene	0.457	0.441		-3.5	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	133311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	238373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	213848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	108072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103088	51.284	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.560%			
35) Dibromofluoromethane	8.165	113	76479	50.116	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.240%			
50) Toluene-d8	10.565	98	272000	51.558	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.120%			
62) 4-Bromofluorobenzene	12.847	95	105185	48.326	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	74339	48.016	ug/l	98
3) Chloromethane	2.359	50	79392	50.225	ug/l	99
4) Vinyl Chloride	2.512	62	79117	46.622	ug/l	98
5) Bromomethane	2.942	94	48550	49.829	ug/l	99
6) Chloroethane	3.112	64	53297	44.774	ug/l #	87
7) Trichlorofluoromethane	3.495	101	142648	49.522	ug/l	98
8) Diethyl Ether	3.959	74	48099	49.814	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	78410	51.356	ug/l	97
10) Methyl Iodide	4.583	142	94991	48.920	ug/l	96
11) Tert butyl alcohol	5.518	59	89372	332.020	ug/l	99
12) 1,1-Dichloroethene	4.342	96	72532	50.303	ug/l	96
13) Acrolein	4.177	56	66650	250.953	ug/l	97
14) Allyl chloride	5.024	41	131446	51.161	ug/l	99
15) Acrylonitrile	5.718	53	222142	303.460	ug/l	100
16) Acetone	4.424	43	193650	240.315	ug/l	96
17) Carbon Disulfide	4.712	76	181080	44.895	ug/l	99
18) Methyl Acetate	5.030	43	113135	68.054	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	281374	53.927	ug/l	99
20) Methylene Chloride	5.277	84	86743	52.603	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	76068	49.226	ug/l	95
22) Diisopropyl ether	6.671	45	298910	56.516	ug/l	98
23) Vinyl Acetate	6.600	43	1090600	281.579	ug/l	98
24) 1,1-Dichloroethane	6.565	63	161768	53.090	ug/l	98
25) 2-Butanone	7.483	43	302682	285.787	ug/l	99
26) 2,2-Dichloropropane	7.489	77	108810	38.776	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	99229	54.094	ug/l	97
28) Bromochloromethane	7.818	49	75512	58.847	ug/l	94
29) Tetrahydrofuran	7.841	42	196070	313.087	ug/l	97
30) Chloroform	7.965	83	173029	53.488	ug/l	100
31) Cyclohexane	8.259	56	129149	44.454	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	158444	53.268	ug/l	97
36) 1,1-Dichloropropene	8.371	75	115821	50.425	ug/l	97
37) Ethyl Acetate	7.559	43	127926	61.358	ug/l	96
38) Carbon Tetrachloride	8.359	117	134325	51.548	ug/l	97
39) Methylcyclohexane	9.600	83	122535	46.869	ug/l	96
40) Benzene	8.606	78	354902	51.335	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	72366	58.685	ug/l		96
42) 1,2-Dichloroethane	8.671	62	134975	52.249	ug/l		100
43) Isopropyl Acetate	8.688	43	231713	61.330	ug/l		98
44) Trichloroethene	9.353	130	79857	49.881	ug/l		92
45) 1,2-Dichloropropane	9.618	63	90460	54.138	ug/l		91
46) Dibromomethane	9.712	93	63624	54.362	ug/l		98
47) Bromodichloromethane	9.888	83	141344	55.803	ug/l		98
48) Methyl methacrylate	9.683	41	102871	57.390	ug/l		99
49) 1,4-Dioxane	9.694	88	35534	1205.049	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	656232	319.082	ug/l		97
52) Toluene	10.630	92	222127	52.528	ug/l		96
53) t-1,3-Dichloropropene	10.835	75	134591	52.423	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	142288	52.760	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	85865	54.389	ug/l		98
56) Ethyl methacrylate	10.877	69	144443	59.468	ug/l		98
57) 1,3-Dichloropropane	11.165	76	149993	55.281	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	311600	356.038	ug/l		96
59) 2-Hexanone	11.194	43	475653	312.655	ug/l		98
60) Dibromochloromethane	11.359	129	103319	58.478	ug/l		97
61) 1,2-Dibromoethane	11.471	107	84916	53.934	ug/l		100
64) Tetrachloroethene	11.100	164	70904	49.857	ug/l		98
65) Chlorobenzene	11.894	112	236932	49.850	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	86928	52.758	ug/l		99
67) Ethyl Benzene	11.965	91	438884	51.981	ug/l		98
68) m/p-Xylenes	12.071	106	325127	103.721	ug/l		98
69) o-Xylene	12.400	106	157226	51.812	ug/l		98
70) Styrene	12.412	104	278455	55.913	ug/l		99
71) Bromoform	12.576	173	64915	58.465	ug/l	#	97
73) Isopropylbenzene	12.694	105	413253	49.426	ug/l		100
74) N-amyl acetate	12.494	43	198322	55.594	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	126298	51.411	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	109682m	50.297	ug/l		
77) Bromobenzene	12.982	156	97984	48.685	ug/l		99
78) n-propylbenzene	13.035	91	499806	51.377	ug/l		99
79) 2-Chlorotoluene	13.123	91	311537	50.214	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	356588	50.585	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	39393m	47.312	ug/l		
82) 4-Chlorotoluene	13.223	91	313517	50.356	ug/l		100
83) tert-Butylbenzene	13.435	119	303931	49.281	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	360997	50.981	ug/l		99
85) sec-Butylbenzene	13.618	105	422648	51.673	ug/l		100
86) p-Isopropyltoluene	13.729	119	350670	51.145	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	185804	48.918	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	183566	47.728	ug/l		99
89) n-Butylbenzene	14.053	91	308272	50.077	ug/l		99
90) Hexachloroethane	14.335	117	69226	50.227	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	179589	48.991	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	26245	53.592	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	87891	44.680	ug/l		99
94) Hexachlorobutadiene	15.500	225	39148	46.862	ug/l		99
95) Naphthalene	15.641	128	299898	50.111	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	89211	47.453	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

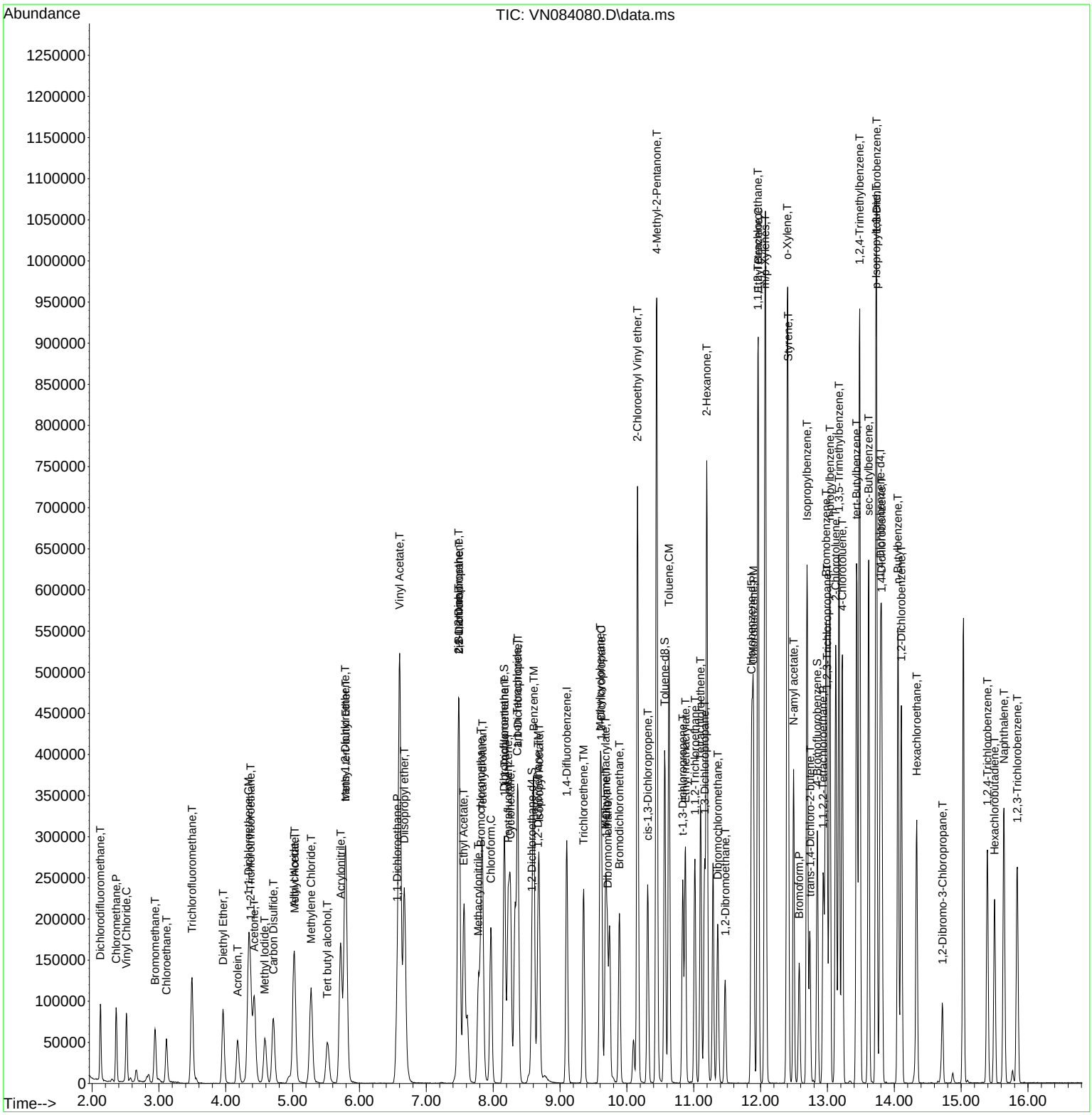
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



Sample Results: **VN084080.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	77	0.00
2	T	Dichlorodifluoromethane	0.581	0.558	4.0	72	0.00
3	P	Chloromethane	0.707	0.596	15.7	74	0.00
4	C	Vinyl Chloride	0.636	0.593	6.8#	70	0.00
5	T	Bromomethane	0.365	0.364	0.3	78	0.04
6	T	Chloroethane	0.446	0.400	10.3	72	0.03
7	T	Trichlorofluoromethane	1.080	1.070	0.9	78	0.02
8	T	Diethyl Ether	0.362	0.361	0.3	76	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.573	0.588	-2.6	78	0.02
10	T	Methyl Iodide	0.728	0.713	2.1	72	0.00
11	T	Tert butyl alcohol	0.101	0.134	-32.7#	102	-0.01
12	CM	1,1-Dichloroethene	0.541	0.544	-0.6#	75	0.01
13	T	Acrolein	0.100	0.100	0.0	74	0.00
14	T	Allyl chloride	0.964	0.986	-2.3	76	0.00
15	T	Acrylonitrile	0.275	0.333	-21.1	93	0.00
16	T	Acetone	0.302	0.291	3.6	75	0.00
17	T	Carbon Disulfide	1.513	1.358	10.2	69	0.01
18	T	Methyl Acetate	0.735	0.849	-15.5	98	0.00
19	T	Methyl tert-butyl Ether	1.957	2.111	-7.9	81	0.00
20	T	Methylene Chloride	0.618	0.651	-5.3	83	0.00
21	T	trans-1,2-Dichloroethene	0.580	0.571	1.6	76	0.01
22	T	Diisopropyl ether	1.984	2.242	-13.0	84	0.00
23	T	Vinyl Acetate	1.453	1.636	-12.6	82	0.00
24	P	1,1-Dichloroethane	1.143	1.213	-6.1	82	0.00
25	T	2-Butanone	0.397	0.454	-14.4	89	0.00
26	T	2,2-Dichloropropane	1.052	0.816	22.4	58	0.00
27	T	cis-1,2-Dichloroethene	0.688	0.744	-8.1	80	0.00
28	T	Bromochloromethane	0.481	0.566	-17.7	83	0.00
29	T	Tetrahydrofuran	0.235	0.294	-25.1#	94	0.00
30	C	Chloroform	1.213	1.298	-7.0#	82	0.00
31	T	Cyclohexane	1.090	0.969	11.1	74	0.00
32	T	1,1,1-Trichloroethane	1.116	1.189	-6.5	81	0.00
33	S	1,2-Dichloroethane-d4	0.754	0.773	-2.5	70	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
35	S	Dibromofluoromethane	0.320	0.321	-0.3	74	0.00
36	T	1,1-Dichloropropene	0.482	0.486	-0.8	80	0.00
37	T	Ethyl Acetate	0.437	0.537	-22.9	92	0.00
38	T	Carbon Tetrachloride	0.547	0.564	-3.1	78	0.00
39	T	Methylcyclohexane	0.548	0.514	6.2	70	0.00
40	TM	Benzene	1.450	1.489	-2.7	81	0.00
41	T	Methacrylonitrile	0.259	0.304	-17.4	90	0.00
42	TM	1,2-Dichloroethane	0.542	0.566	-4.4	81	0.00
43	T	Isopropyl Acetate	0.792	0.972	-22.7	95	0.00
44	TM	Trichloroethene	0.336	0.335	0.3	77	0.00
45	C	1,2-Dichloropropane	0.350	0.379	-8.3#	85	0.00
46	T	Dibromomethane	0.245	0.267	-9.0	82	0.00
47	T	Bromodichloromethane	0.531	0.593	-11.7	84	0.00
48	T	Methyl methacrylate	0.376	0.432	-14.9	89	0.00

Sample Results: **VN084080.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	97	0.00
50	S	Toluene-d8	1.107	1.141	-3.1	70	0.00
51	T	4-Methyl-2-Pentanone	0.431	0.551	-27.8#	97	0.00
52	CM	Toluene	0.887	0.932	-5.1#	80	0.00
53	T	t-1,3-Dichloropropene	0.539	0.565	-4.8	79	0.00
54	T	cis-1,3-Dichloropropene	0.566	0.597	-5.5	80	0.00
55	T	1,1,2-Trichloroethane	0.331	0.360	-8.8	86	0.00
56	T	Ethyl methacrylate	0.509	0.606	-19.1	85	0.00
57	T	1,3-Dichloropropane	0.569	0.629	-10.5	85	0.00
58	T	2-Chloroethyl Vinyl ether	0.184	0.261	-41.8#	118	0.00
59	T	2-Hexanone	0.319	0.399	-25.1#	95	0.00
60	T	Dibromochloromethane	0.371	0.433	-16.7	86	0.00
61	T	1,2-Dibromoethane	0.330	0.356	-7.9	84	0.00
62	S	4-Bromofluorobenzene	0.457	0.441	3.5	71	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
64	T	Tetrachloroethene	0.333	0.332	0.3	83	0.00
65	PM	Chlorobenzene	1.111	1.108	0.3	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.385	0.406	-5.5	83	0.00
67	C	Ethyl Benzene	1.974	2.052	-4.0#	81	0.00
68	T	m/p-Xylenes	0.733	0.760	-3.7	81	0.00
69	T	o-Xylene	0.710	0.735	-3.5	80	0.00
70	T	Styrene	1.164	1.302	-11.9	84	0.00
71	P	Bromoform	0.260	0.304	-16.9	88	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
73	T	Isopropylbenzene	3.868	3.824	1.1	80	0.00
74	T	N-amyl acetate	1.650	1.835	-11.2	89	0.00
75	P	1,1,2,2-Tetrachloroethane	1.137	1.169	-2.8	91	0.00
76	T	1,2,3-Trichloropropane	1.009	1.015	-0.6	91	0.00
77	T	Bromobenzene	0.931	0.907	2.6	86	0.00
78	T	n-propylbenzene	4.501	4.625	-2.8	82	0.00
79	T	2-Chlorotoluene	2.870	2.883	-0.5	85	0.00
80	T	1,3,5-Trimethylbenzene	3.261	3.300	-1.2	82	0.00
81	T	trans-1,4-Dichloro-2-butene	0.385	0.365	5.2	75	0.00
82	T	4-Chlorotoluene	2.880	2.901	-0.7	83	0.00
83	T	tert-Butylbenzene	2.853	2.812	1.4	79	0.00
84	T	1,2,4-Trimethylbenzene	3.276	3.340	-2.0	81	0.00
85	T	sec-Butylbenzene	3.784	3.911	-3.4	81	0.00
86	T	p-Isopropyltoluene	3.172	3.245	-2.3	80	0.00
87	T	1,3-Dichlorobenzene	1.757	1.719	2.2	84	0.00
88	T	1,4-Dichlorobenzene	1.779	1.699	4.5	83	0.00
89	T	n-Butylbenzene	2.848	2.852	-0.1	81	0.00
90	T	Hexachloroethane	0.638	0.641	-0.5	85	0.00
91	T	1,2-Dichlorobenzene	1.696	1.662	2.0	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.227	0.243	-7.0	87	0.00
93	T	1,2,4-Trichlorobenzene	0.910	0.813	10.7	74	0.00
94	T	Hexachlorobutadiene	0.386	0.362	6.2	82	0.00
95	T	Naphthalene	2.769	2.775	-0.2	78	0.00

Sample Results: **VN084080.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.870	0.825	5.2	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN084080.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	77	0.00
2	T	Dichlorodifluoromethane	50.000	48.016	4.0	72	0.00
3	P	Chloromethane	50.000	50.225	-0.5	74	0.00
4	C	Vinyl Chloride	50.000	46.622	6.8#	70	0.00
5	T	Bromomethane	50.000	49.829	0.3	78	0.04
6	T	Chloroethane	50.000	44.774	10.5	72	0.03
7	T	Trichlorofluoromethane	50.000	49.522	1.0	78	0.02
8	T	Diethyl Ether	50.000	49.814	0.4	76	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.356	-2.7	78	0.02
10	T	Methyl Iodide	50.000	48.920	2.2	72	0.00
11	T	Tert butyl alcohol	250.000	332.020	-32.8#	102	-0.01
12	CM	1,1-Dichloroethene	50.000	50.303	-0.6#	75	0.01
13	T	Acrolein	250.000	250.953	-0.4	74	0.00
14	T	Allyl chloride	50.000	51.161	-2.3	76	0.00
15	T	Acrylonitrile	250.000	303.460	-21.4	93	0.00
16	T	Acetone	250.000	240.315	3.9	75	0.00
17	T	Carbon Disulfide	50.000	44.895	10.2	69	0.01
18	T	Methyl Acetate	50.000	68.054	-36.1#	98	0.00
19	T	Methyl tert-butyl Ether	50.000	53.927	-7.9	81	0.00
20	T	Methylene Chloride	50.000	52.603	-5.2	83	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.226	1.5	76	0.01
22	T	Diisopropyl ether	50.000	56.516	-13.0	84	0.00
23	T	Vinyl Acetate	250.000	281.579	-12.6	82	0.00
24	P	1,1-Dichloroethane	50.000	53.090	-6.2	82	0.00
25	T	2-Butanone	250.000	285.787	-14.3	89	0.00
26	T	2,2-Dichloropropane	50.000	38.776	22.4	58	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.094	-8.2	80	0.00
28	T	Bromochloromethane	50.000	58.847	-17.7	83	0.00
29	T	Tetrahydrofuran	250.000	313.087	-25.2#	94	0.00
30	C	Chloroform	50.000	53.488	-7.0#	82	0.00
31	T	Cyclohexane	50.000	44.454	11.1	74	0.00
32	T	1,1,1-Trichloroethane	50.000	53.268	-6.5	81	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.284	-2.6	70	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	78	0.00
35	S	Dibromofluoromethane	50.000	50.116	-0.2	74	0.00
36	T	1,1-Dichloropropene	50.000	50.425	-0.8	80	0.00
37	T	Ethyl Acetate	50.000	61.358	-22.7	92	0.00
38	T	Carbon Tetrachloride	50.000	51.548	-3.1	78	0.00
39	T	Methylcyclohexane	50.000	46.869	6.3	70	0.00
40	TM	Benzene	50.000	51.335	-2.7	81	0.00
41	T	Methacrylonitrile	50.000	58.685	-17.4	90	0.00
42	TM	1,2-Dichloroethane	50.000	52.249	-4.5	81	0.00
43	T	Isopropyl Acetate	50.000	61.330	-22.7	95	0.00
44	TM	Trichloroethene	50.000	49.881	0.2	77	0.00
45	C	1,2-Dichloropropane	50.000	54.138	-8.3#	85	0.00
46	T	Dibromomethane	50.000	54.362	-8.7	82	0.00
47	T	Bromodichloromethane	50.000	55.803	-11.6	84	0.00
48	T	Methyl methacrylate	50.000	57.390	-14.8	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1205.049	-20.5	97	0.00
50	S	Toluene-d8	50.000	51.558	-3.1	70	0.00
51	T	4-Methyl-2-Pentanone	250.000	319.082	-27.6#	97	0.00
52	CM	Toluene	50.000	52.528	-5.1#	80	0.00
53	T	t-1,3-Dichloropropene	50.000	52.423	-4.8	79	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.760	-5.5	80	0.00
55	T	1,1,2-Trichloroethane	50.000	54.389	-8.8	86	0.00
56	T	Ethyl methacrylate	50.000	59.468	-18.9	85	0.00
57	T	1,3-Dichloropropane	50.000	55.281	-10.6	85	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	356.038	-42.4#	118	0.00
59	T	2-Hexanone	250.000	312.655	-25.1#	95	0.00
60	T	Dibromochloromethane	50.000	58.478	-17.0	86	0.00
61	T	1,2-Dibromoethane	50.000	53.934	-7.9	84	0.00
62	S	4-Bromofluorobenzene	50.000	48.326	3.3	71	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	80	0.00
64	T	Tetrachloroethene	50.000	49.857	0.3	83	0.00
65	PM	Chlorobenzene	50.000	49.850	0.3	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.758	-5.5	83	0.00
67	C	Ethyl Benzene	50.000	51.981	-4.0#	81	0.00
68	T	m/p-Xylenes	100.000	103.721	-3.7	81	0.00
69	T	o-Xylene	50.000	51.812	-3.6	80	0.00
70	T	Styrene	50.000	55.913	-11.8	84	0.00
71	P	Bromoform	50.000	58.465	-16.9	88	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73	T	Isopropylbenzene	50.000	49.426	1.1	80	0.00
74	T	N-amyl acetate	50.000	55.594	-11.2	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.411	-2.8	91	0.00
76	T	1,2,3-Trichloropropane	50.000	50.297	-0.6	91	0.00
77	T	Bromobenzene	50.000	48.685	2.6	86	0.00
78	T	n-propylbenzene	50.000	51.377	-2.8	82	0.00
79	T	2-Chlorotoluene	50.000	50.214	-0.4	85	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.585	-1.2	82	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.312	5.4	75	0.00
82	T	4-Chlorotoluene	50.000	50.356	-0.7	83	0.00
83	T	tert-Butylbenzene	50.000	49.281	1.4	79	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.981	-2.0	81	0.00
85	T	sec-Butylbenzene	50.000	51.673	-3.3	81	0.00
86	T	p-Isopropyltoluene	50.000	51.145	-2.3	80	0.00
87	T	1,3-Dichlorobenzene	50.000	48.918	2.2	84	0.00
88	T	1,4-Dichlorobenzene	50.000	47.728	4.5	83	0.00
89	T	n-Butylbenzene	50.000	50.077	-0.2	81	0.00
90	T	Hexachloroethane	50.000	50.227	-0.5	85	0.00
91	T	1,2-Dichlorobenzene	50.000	48.991	2.0	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.592	-7.2	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	44.680	10.6	74	0.00
94	T	Hexachlorobutadiene	50.000	46.862	6.3	82	0.00
95	T	Naphthalene	50.000	50.111	-0.2	78	0.00

Sample Results: **VN084080.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084080.D
Acq On : 21 Sep 2024 00:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 21 03:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.453	5.1	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

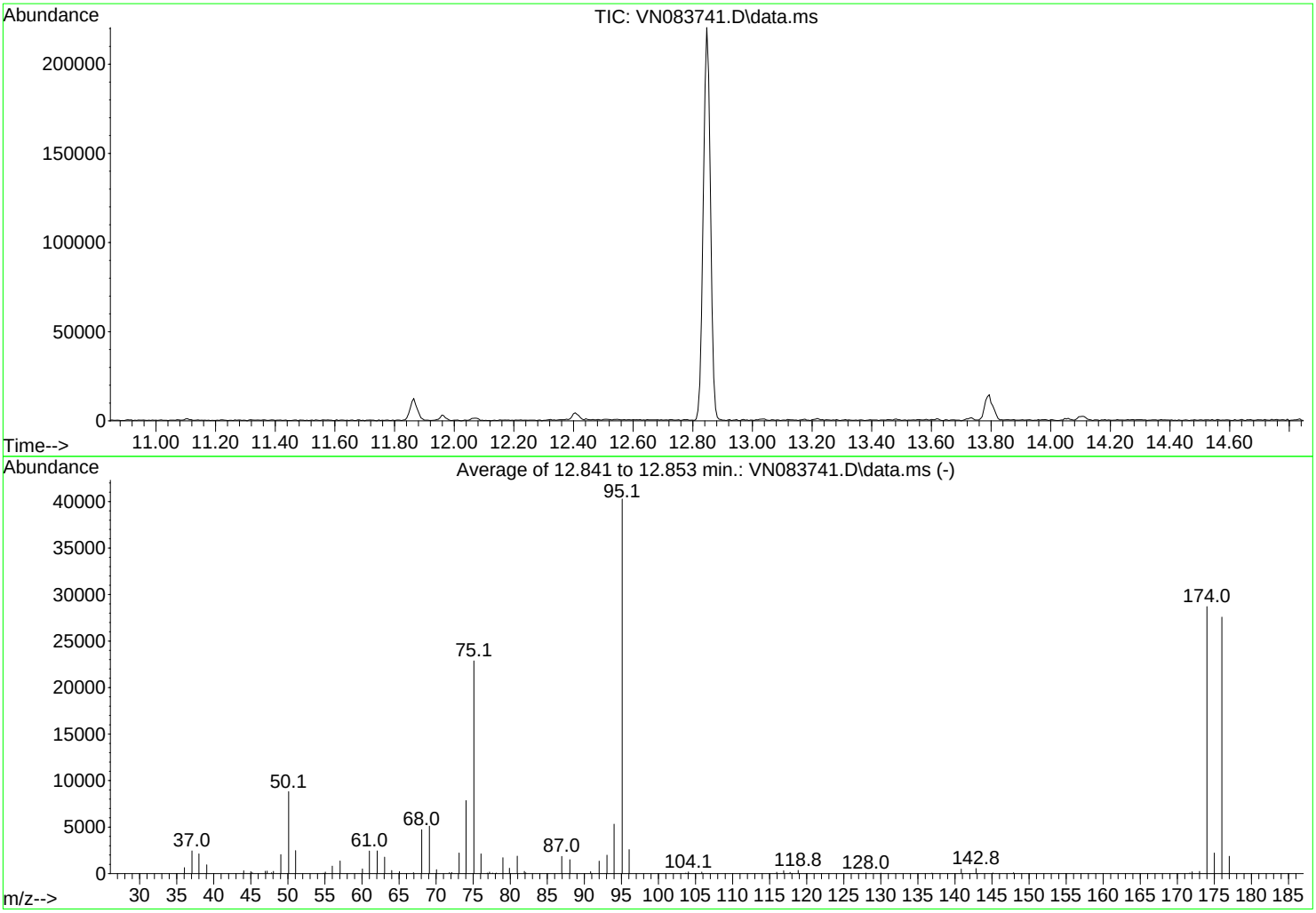
Sample Results: **VN083741.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083741.D
Acq On : 10 Sep 2024 08:02
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Title : SW846 8260
Last Update : Wed Sep 11 15:18:56 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.9	8811	PASS
75	95	30	60	56.8	22877	PASS
95	95	100	100	100.0	40272	PASS
96	95	5	9	6.4	2577	PASS
173	174	0.00	2	0.9	246	PASS
174	95	50	100	71.3	28701	PASS
175	174	5	9	7.7	2220	PASS
176	174	95	101	96.1	27579	PASS
177	176	5	9	6.8	1862	PASS

Average of 12.841 to 12.853 min.: VN083741.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	643	49.05	2049	64.00	339	76.05	212
37.05	2441	50.10	8811	65.05	216	76.90	6
38.00	2130	51.05	2470	66.95	114	77.20	16
39.05	943	54.80	50	68.05	4715	77.60	5
44.05	310	55.05	162	69.10	5110	78.10	63
45.00	209	56.00	812	70.05	434	79.00	1715
45.20	104	57.05	1355	71.80	100	79.90	578
46.95	266	60.05	501	72.10	130	80.95	1877
47.20	270	61.00	2435	73.10	2216	81.90	253
47.80	99	62.05	2451	74.05	7857	82.10	86
48.05	241	63.05	1767	75.10	22877	86.95	1849

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN083741.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.05	1499	116.90	305	172.00	194		
90.85	221	117.75	135	173.00	246		
92.00	1342	118.85	355	174.00	28701		
93.05	1981	128.00	69	175.00	2220		
94.00	5321	130.00	69	176.00	27579		
95.10	40272	136.90	59	177.00	1862		
96.05	2577	140.85	483				
103.70	64	142.85	552				
104.05	188	145.10	70				
105.85	164	147.90	105				
115.95	160	171.70	77				

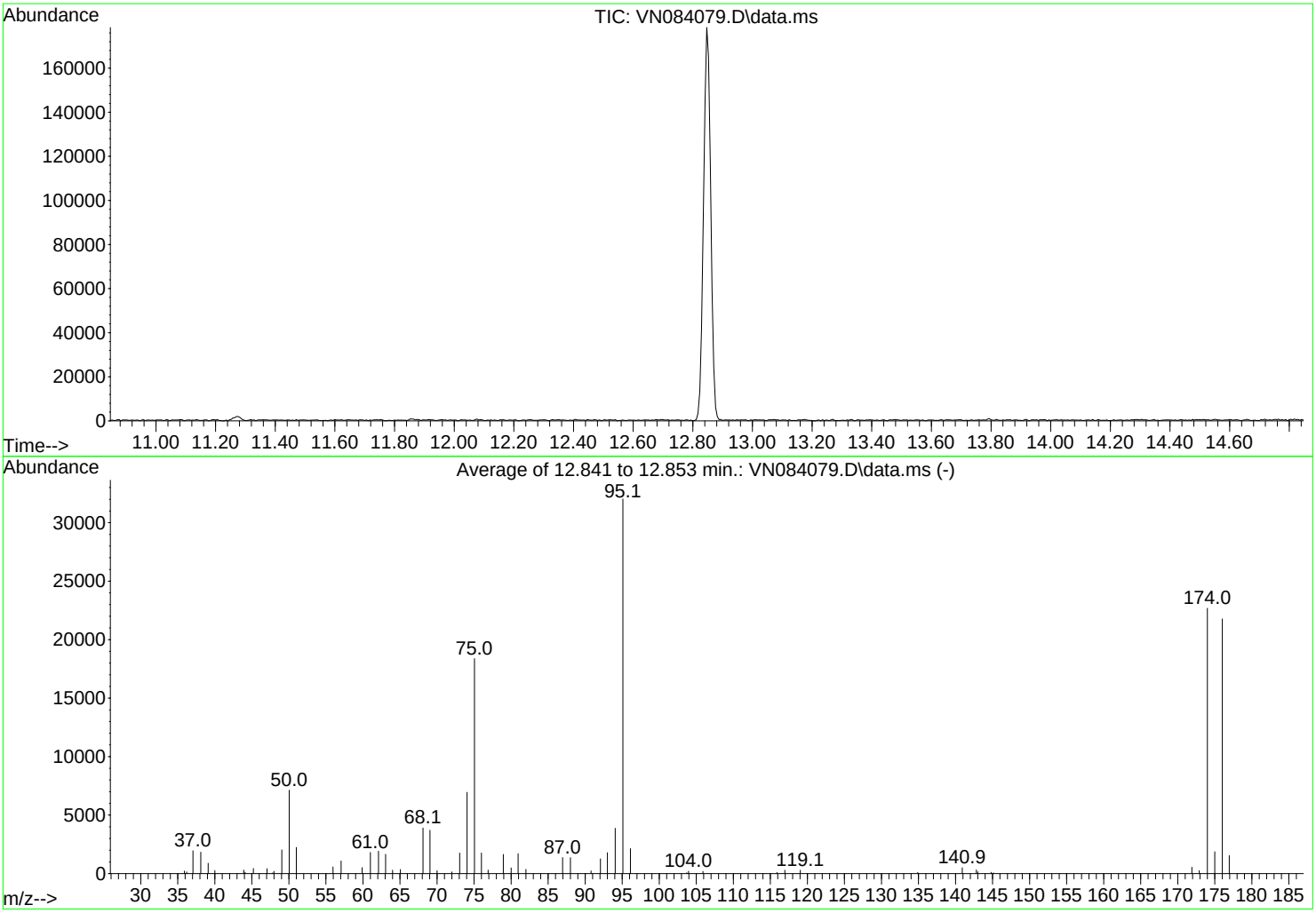
Sample Results: **VN084079.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084079.D
Acq On : 20 Sep 2024 23:44
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Title : SW846 8260
Last Update : Wed Sep 11 15:18:56 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	7133	PASS
75	95	30	60	57.4	18384	PASS
95	95	100	100	100.0	32024	PASS
96	95	5	9	6.7	2137	PASS
173	174	0.00	2	1.1	260	PASS
174	95	50	100	70.8	22675	PASS
175	174	5	9	8.2	1868	PASS
176	174	95	101	96.0	21768	PASS
177	176	5	9	7.1	1549	PASS

Average of 12.841 to 12.853 min.: VN084079.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	214	48.00	190	65.05	353	80.00	48
36.20	145	49.05	2034	68.10	3902	80.95	170
37.05	1955	50.05	7133	69.05	3710	82.00	36
38.10	1834	51.00	2238	70.00	261	86.95	136
39.10	892	55.95	569	72.00	153	88.00	1361
40.00	269	57.05	1085	73.05	1761	90.80	236
43.90	311	59.90	506	74.05	6951	92.05	1259
44.10	124	61.00	1811	75.05	18384	93.00	1790
45.20	442	62.10	1924	76.00	1756	94.05	3881
47.05	427	63.05	1659	76.90	307	95.10	32024
47.80	67	64.00	286	78.95	1641	96.10	2137

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084079.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.70	69	145.10	56				
103.95	207	171.90	552				
105.90	196	172.90	260				
115.90	93	174.00	22675				
116.95	290	175.00	1868				
119.05	292	176.00	21768				
134.90	92	176.95	1549				
140.90	500						
142.80	312						
143.00	161						
144.80	111						

Raw Data: **VN084081.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point	Date Received:	
Client Sample ID:	VN0920WBL03	SDG No.:	P4103
Lab Sample ID:	VN0920WBL03	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084081.D	1		09/21/24 01:23	VN092024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	5.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	15.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	54.9		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	8.224			
540-36-3	1,4-Difluorobenzene	262000	9.1			
3114-55-4	Chlorobenzene-d5	224000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	93500	13.794			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084081.D
Acq On : 21 Sep 2024 01:23
Operator : JC\MD
Sample : VN0920WBL03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBL03

Quant Time: Sep 23 07:22:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

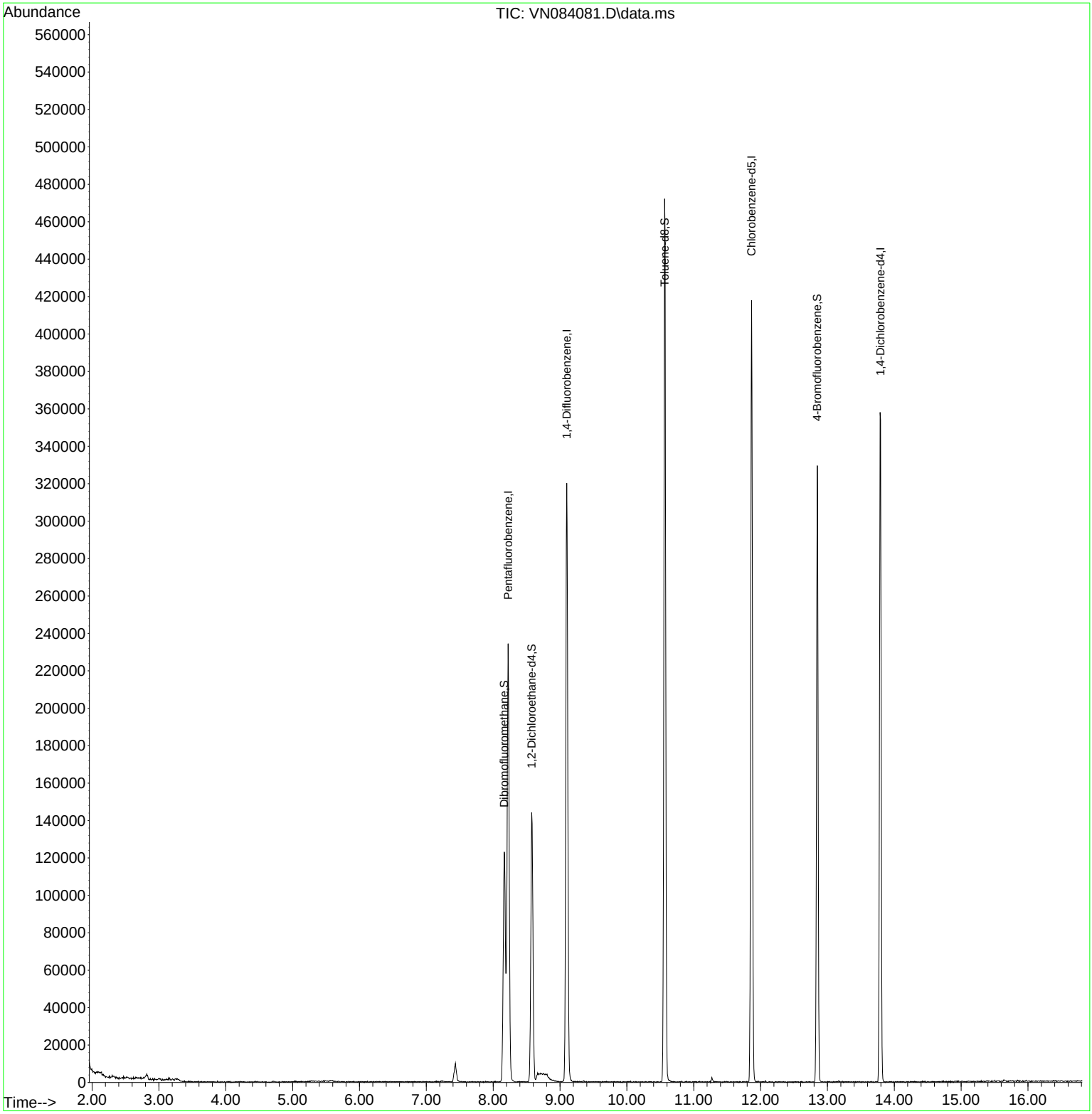
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	152902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	223618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120766	52.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.760%			
35) Dibromofluoromethane	8.165	113	86299	51.439	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	10.565	98	318194	54.862	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.720%			
62) 4-Bromofluorobenzene	12.847	95	108507	45.345	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.700%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	267	Below Cal	#	41
18) Methyl Acetate	5.024	43	184	Below Cal	#	52

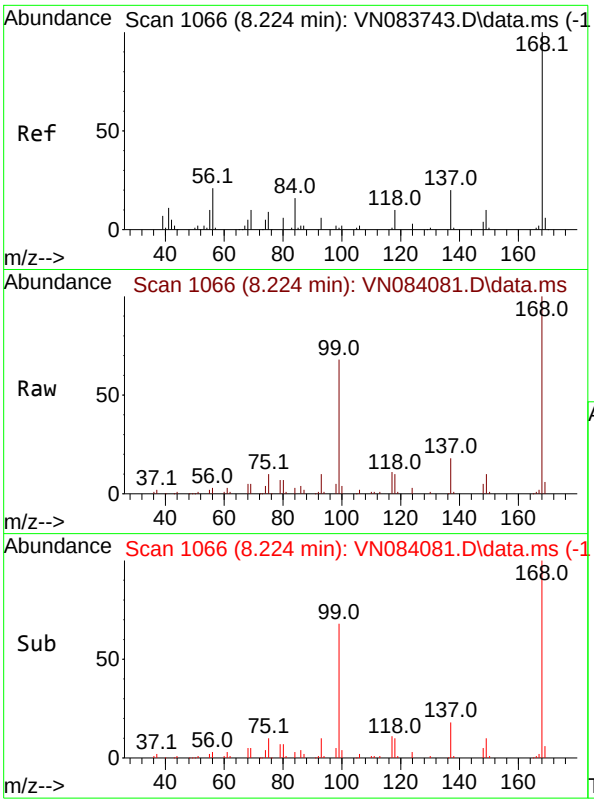
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084081.D
Acq On : 21 Sep 2024 01:23
Operator : JC\MD
Sample : VN0920WBL03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBL03

Quant Time: Sep 23 07:22:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



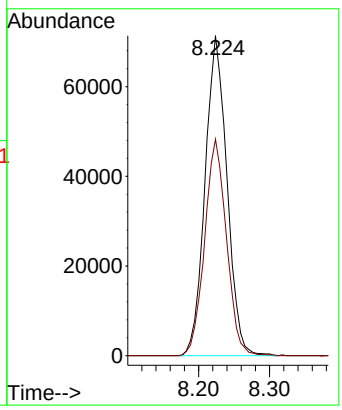


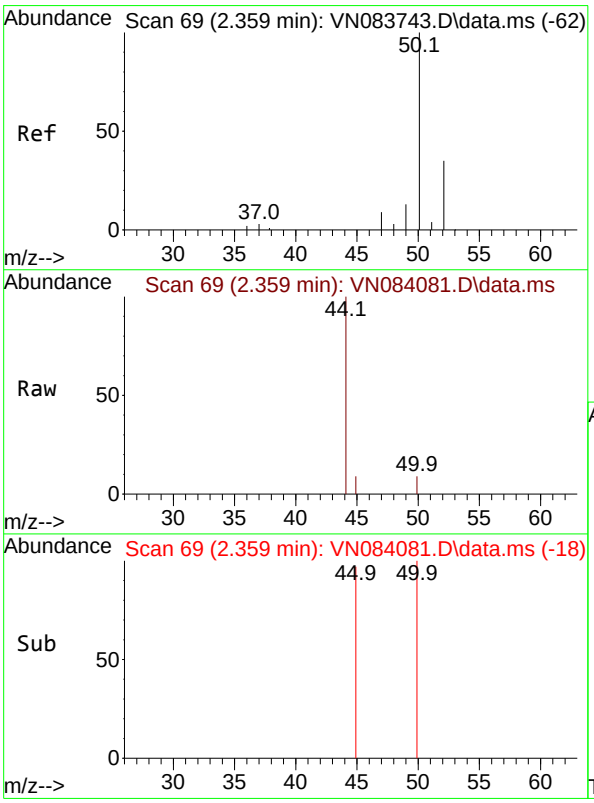
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBL03

Tgt Ion:168 Resp: 152902

Ion	Ratio	Lower	Upper
168	100		
99	67.6	54.2	81.2

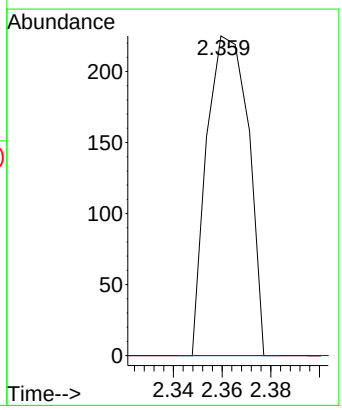


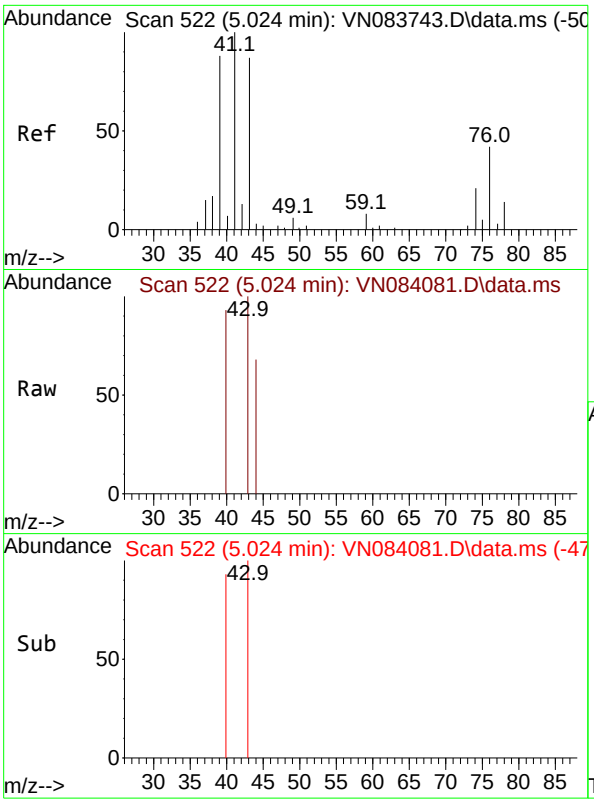


#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Tgt Ion: 50 Resp: 267

Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.2	40.8#



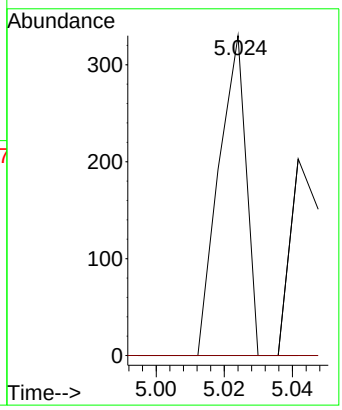


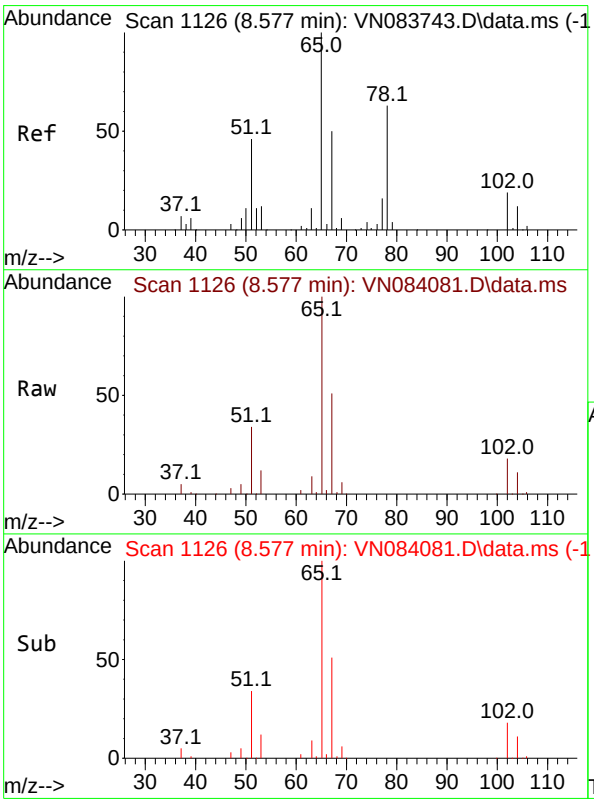
#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBL03

Tgt Ion: 43 Resp: 184

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.0	28.4#

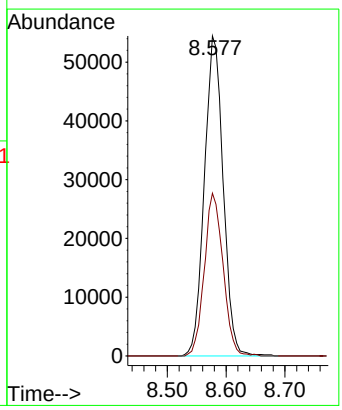


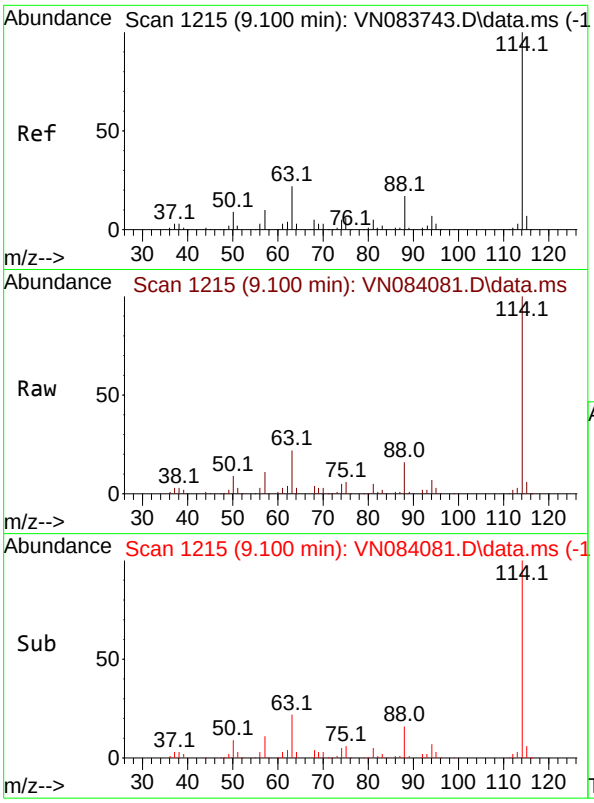


#33
1,2-Dichloroethane-d4
Concen: 52.381 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Tgt Ion: 65 Resp: 120766

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8



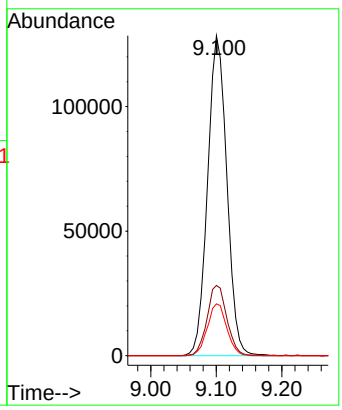


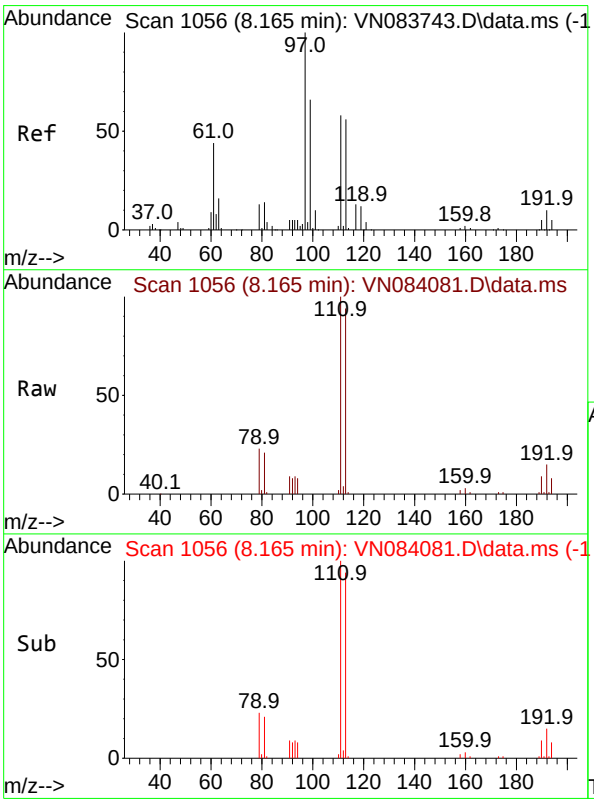
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBL03

Tgt Ion:114 Resp: 262064

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.4
88	16.2	0.0	32.6

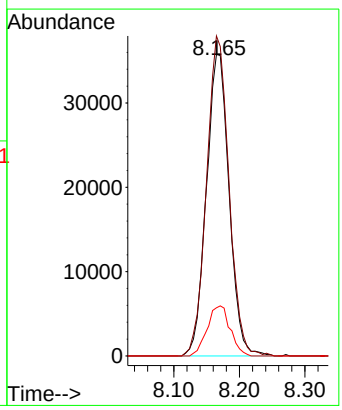


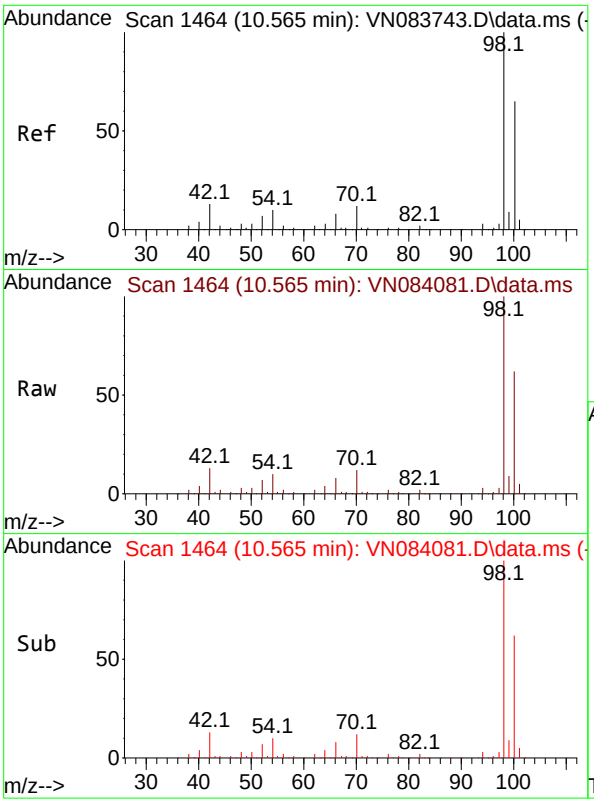


#35
Dibromofluoromethane
Concen: 51.439 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Tgt Ion:113 Resp: 86299

Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.6	124.0
192	16.7	14.3	21.5



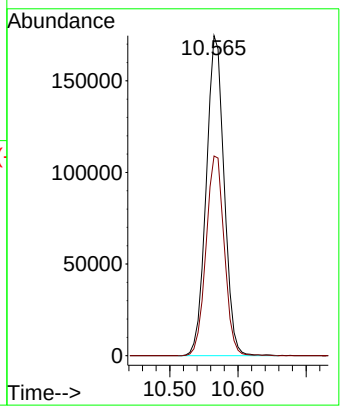


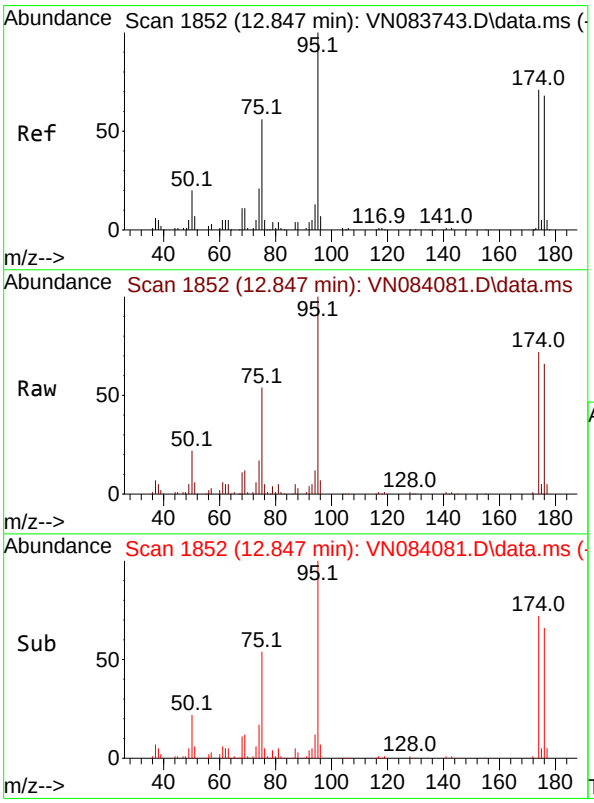
#50
Toluene-d8
Concen: 54.862 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBL03

Tgt Ion: 98 Resp: 318194

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0

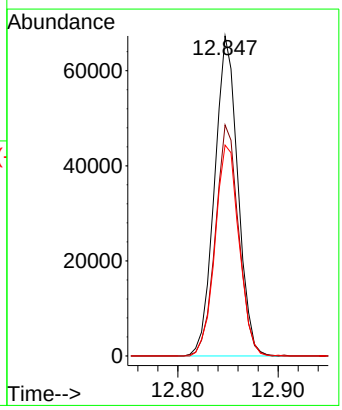


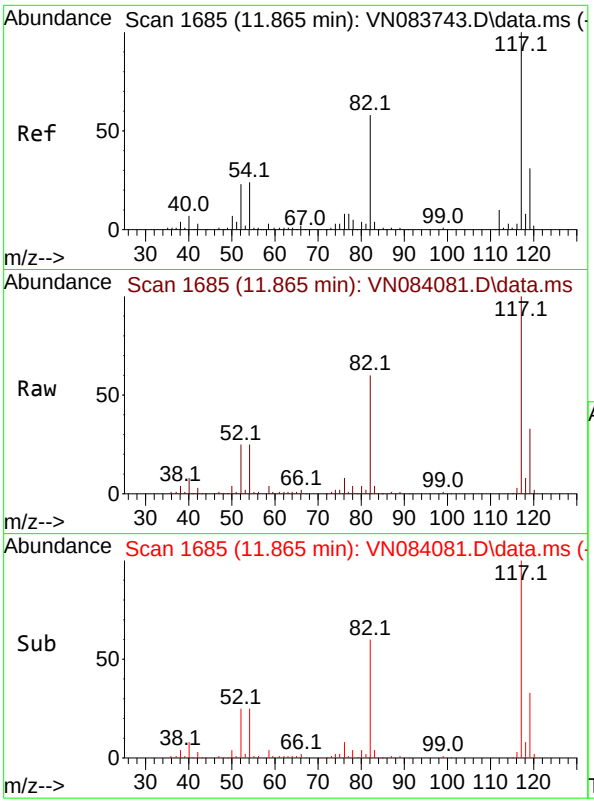


#62
4-Bromofluorobenzene
Concen: 45.345 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Tgt Ion: 95 Resp: 108507

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	139.8
176	67.9	0.0	131.4



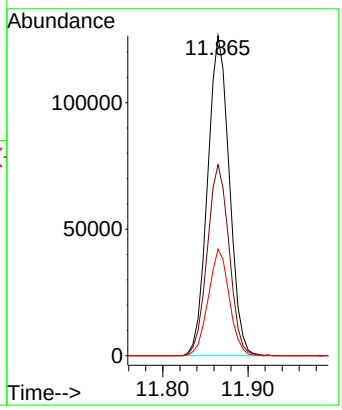


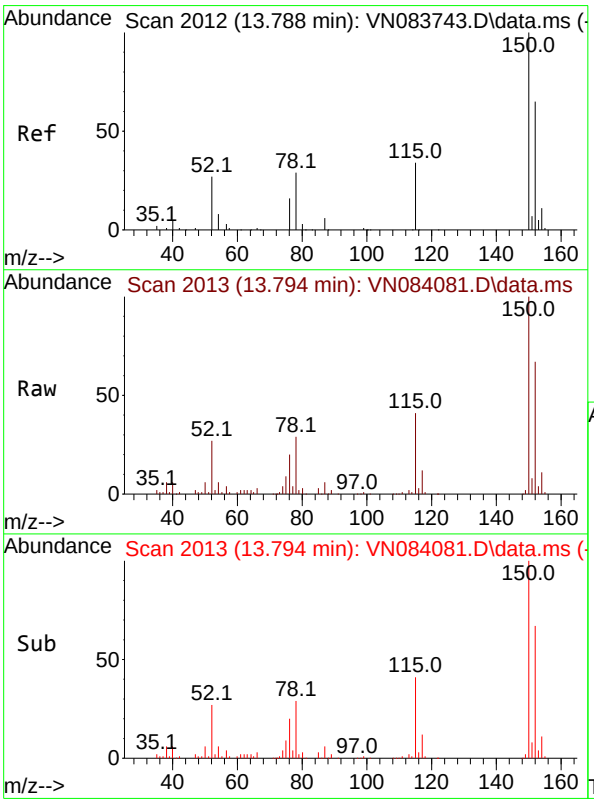
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBL03

Tgt Ion:117 Resp: 223618

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.4	71.0
119	33.2	26.3	39.5

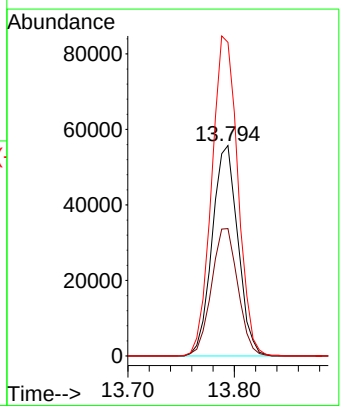




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084081.D
Acq: 21 Sep 2024 01:23

Tgt Ion:152 Resp: 93481

Ion	Ratio	Lower	Upper
152	100		
115	62.1	32.2	96.6
150	154.5	0.0	348.6



Raw Data: **VN084082.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point	Date Received:	
Client Sample ID:	VN0920WBS02	SDG No.:	P4103
Lab Sample ID:	VN0920WBS02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084082.D	1		09/21/24 01:47	VN092024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.4		0.34	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		0.23	5.00	ug/L
78-93-3	2-Butanone	110		1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	5.00	ug/L
67-66-3	Chloroform	19.8		0.26	5.00	ug/L
71-43-2	Benzene	19.0		0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.24	5.00	ug/L
79-01-6	Trichloroethene	18.6		0.32	5.00	ug/L
108-88-3	Toluene	19.1		0.18	5.00	ug/L
127-18-4	Tetrachloroethene	19.1		0.25	5.00	ug/L
108-90-7	Chlorobenzene	18.5		0.13	5.00	ug/L
100-41-4	Ethyl Benzene	18.3		0.16	5.00	ug/L
1330-20-7	Total Xylenes	55.3		0.45	15.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	8.224			
540-36-3	1,4-Difluorobenzene	238000	9.1			
3114-55-4	Chlorobenzene-d5	210000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	99300	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084082.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084082.D
Acq On : 21 Sep 2024 01:47
Operator : JC\MD
Sample : VN0920WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 21 05:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	135246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	237895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104494	51.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.480%			
35) Dibromofluoromethane	8.165	113	74770	49.095	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	10.565	98	266909	50.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.847	95	99810	45.949	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	27969	17.807	ug/l	96
3) Chloromethane	2.365	50	30447	17.794	ug/l	96
4) Vinyl Chloride	2.518	62	29913	17.375	ug/l	94
5) Bromomethane	2.959	94	18792	19.011	ug/l	91
6) Chloroethane	3.124	64	20187	16.716	ug/l	100
7) Trichlorofluoromethane	3.495	101	51893	17.757	ug/l	100
8) Diethyl Ether	3.965	74	18008	18.383	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	28540	18.425	ug/l	98
10) Methyl Iodide	4.589	142	33096	16.800	ug/l	89
11) Tert butyl alcohol	5.524	59	33049	121.022	ug/l	100
12) 1,1-Dichloroethene	4.353	96	26148	17.875	ug/l	79
13) Acrolein	4.183	56	20468	75.964	ug/l	93
14) Allyl chloride	5.024	41	43276	16.603	ug/l	95
15) Acrylonitrile	5.724	53	83101	111.897	ug/l	99
16) Acetone	4.430	43	74792	91.487	ug/l	100
17) Carbon Disulfide	4.712	76	65534	16.015	ug/l	100
18) Methyl Acetate	5.024	43	41720	23.510	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	104478	19.737	ug/l	96
20) Methylene Chloride	5.277	84	33016	19.735	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	29123	18.577	ug/l	90
22) Diisopropyl ether	6.671	45	108884	20.293	ug/l	92
23) Vinyl Acetate	6.606	43	384107	97.753	ug/l	100
24) 1,1-Dichloroethane	6.571	63	61465	19.883	ug/l	98
25) 2-Butanone	7.483	43	116235	108.177	ug/l	97
26) 2,2-Dichloropropane	7.488	77	38619	13.566	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	34889	18.747	ug/l	98
28) Bromochloromethane	7.812	49	29846	22.927	ug/l	92
29) Tetrahydrofuran	7.841	42	71866	113.115	ug/l	97
30) Chloroform	7.965	83	65072	19.828	ug/l	98
31) Cyclohexane	8.253	56	49875	16.922	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	58452	19.370	ug/l	94
36) 1,1-Dichloropropene	8.371	75	41631	18.161	ug/l	97
37) Ethyl Acetate	7.565	43	47059	22.617	ug/l	99
38) Carbon Tetrachloride	8.359	117	50505	19.421	ug/l	98
39) Methylcyclohexane	9.600	83	40140	15.384	ug/l	99
40) Benzene	8.606	78	131272	19.026	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084082.D
Acq On : 21 Sep 2024 01:47
Operator : JC\MD
Sample : VN0920WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 21 05:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	25595	20.798	ug/l		100
42) 1,2-Dichloroethane	8.671	62	51514	19.981	ug/l		99
43) Isopropyl Acetate	8.688	43	85757	22.744	ug/l		99
44) Trichloroethene	9.353	130	29796	18.649	ug/l		92
45) 1,2-Dichloropropane	9.624	63	33066	19.829	ug/l		98
46) Dibromomethane	9.706	93	23451	20.077	ug/l		97
47) Bromodichloromethane	9.888	83	52173	20.639	ug/l		97
48) Methyl methacrylate	9.682	41	37123	20.752	ug/l		99
49) 1,4-Dioxane	9.700	88	13801	468.968	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	239098	116.491	ug/l		97
52) Toluene	10.629	92	80773	19.139	ug/l		95
53) t-1,3-Dichloropropene	10.835	75	47328	18.471	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	50256	18.672	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	31797	20.182	ug/l		97
56) Ethyl methacrylate	10.876	69	49915	20.592	ug/l		95
57) 1,3-Dichloropropane	11.165	76	55087	20.343	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	100355	114.897	ug/l		96
59) 2-Hexanone	11.194	43	174591	114.992	ug/l		96
60) Dibromochloromethane	11.359	129	37304	21.156	ug/l		97
61) 1,2-Dibromoethane	11.471	107	31067	19.772	ug/l		99
64) Tetrachloroethene	11.106	164	26686	19.067	ug/l		97
65) Chlorobenzene	11.888	112	86323	18.455	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	31744	19.576	ug/l		99
67) Ethyl Benzene	11.965	91	152414	18.343	ug/l		99
68) m/p-Xylenes	12.071	106	113143	36.676	ug/l		99
69) o-Xylene	12.400	106	55570	18.607	ug/l		99
70) Styrene	12.412	104	93753	19.128	ug/l		99
71) Bromoform	12.576	173	23224	21.254	ug/l	#	99
73) Isopropylbenzene	12.694	105	142712	18.577	ug/l		100
74) N-amyl acetate	12.494	43	67951	20.732	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	45988	20.374	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	39990m	19.959	ug/l		
77) Bromobenzene	12.982	156	34711	18.771	ug/l		97
78) n-propylbenzene	13.035	91	167314	18.719	ug/l		99
79) 2-Chlorotoluene	13.123	91	108564	19.045	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	121695	18.789	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	14285	18.673	ug/l		95
82) 4-Chlorotoluene	13.223	91	107935	18.868	ug/l		99
83) tert-Butylbenzene	13.441	119	101383	17.892	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	121903	18.737	ug/l		100
85) sec-Butylbenzene	13.617	105	141309	18.804	ug/l		99
86) p-Isopropyltoluene	13.729	119	112770	17.901	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	61992	17.763	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	61877	17.510	ug/l		99
89) n-Butylbenzene	14.059	91	93983	16.616	ug/l		99
90) Hexachloroethane	14.329	117	23185	18.309	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	60727	18.030	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9734	21.634	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	28082	15.538	ug/l		99
94) Hexachlorobutadiene	15.500	225	12934	16.851	ug/l		97
95) Naphthalene	15.641	128	91553	16.650	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	28021	16.222	ug/l		99

Sample Results: **VN084082.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084082.D
Acq On : 21 Sep 2024 01:47
Operator : JC\MD
Sample : VN0920WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 21 05:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

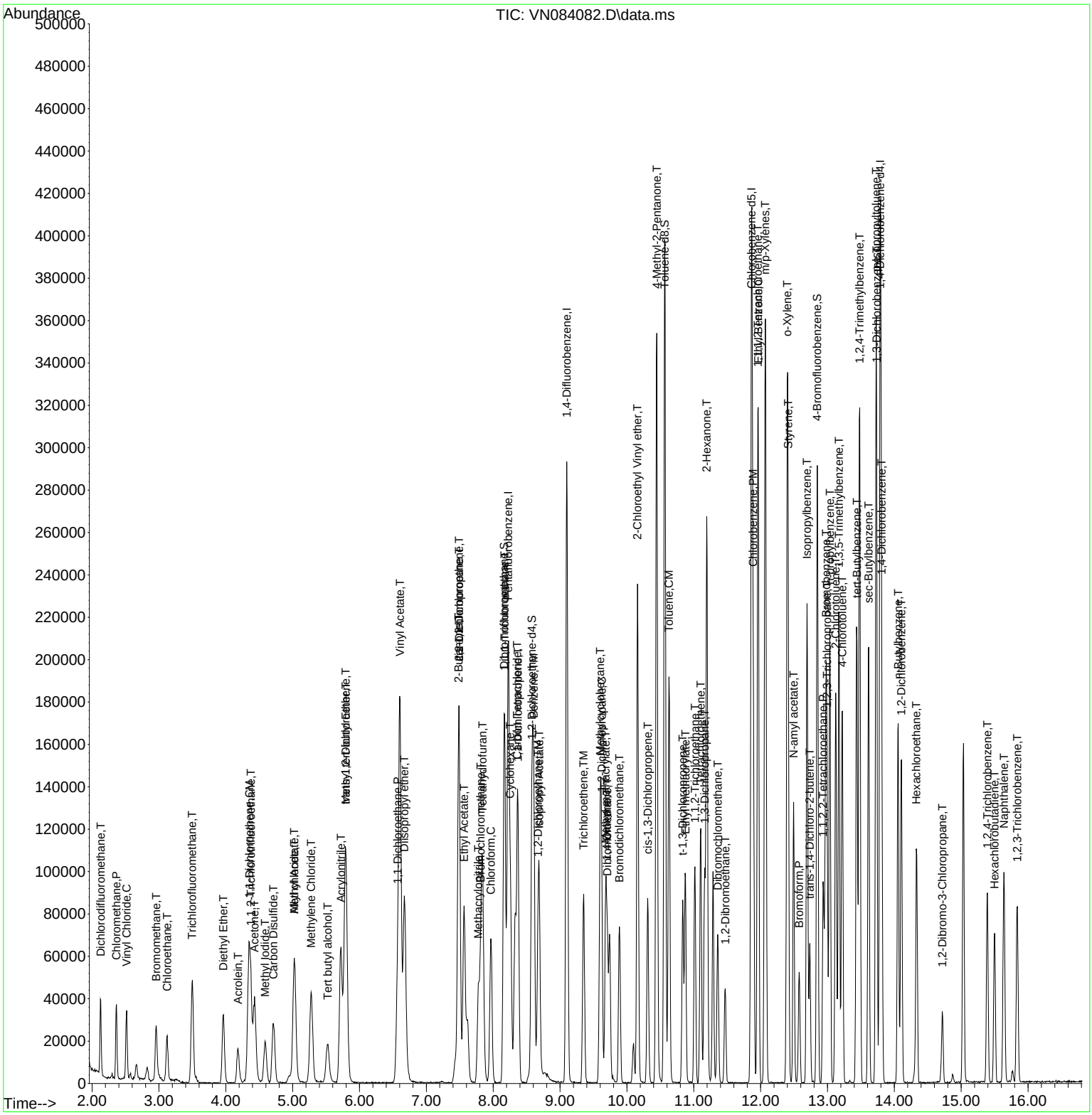
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084082.D
Acq On : 21 Sep 2024 01:47
Operator : JC\MD
Sample : VN0920WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 21 05:13:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



Raw Data: **VN084083.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point	Date Received:	
Client Sample ID:	VN0920WBSD02	SDG No.:	P4103
Lab Sample ID:	VN0920WBSD02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084083.D	1		09/21/24 02:11	VN092024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.7		0.34	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.5		0.23	5.00	ug/L
78-93-3	2-Butanone	110		1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	5.00	ug/L
67-66-3	Chloroform	21.2		0.26	5.00	ug/L
71-43-2	Benzene	19.7		0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.24	5.00	ug/L
79-01-6	Trichloroethene	19.9		0.32	5.00	ug/L
108-88-3	Toluene	19.9		0.18	5.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.25	5.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	5.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.16	5.00	ug/L
1330-20-7	Total Xylenes	58.0		0.45	15.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.6		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	8.224			
540-36-3	1,4-Difluorobenzene	241000	9.1			
3114-55-4	Chlorobenzene-d5	214000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	99300	13.794			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084083.D
Acq On : 21 Sep 2024 02:11
Operator : JC\MD
Sample : VN0920WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 23 06:28:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	135387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	241309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	213857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109824	53.797	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
35) Dibromofluoromethane	8.165	113	78951	51.107	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.220%			
50) Toluene-d8	10.565	98	275739	51.631	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.260%			
62) 4-Bromofluorobenzene	12.847	95	103819	47.118	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	27848	17.712	ug/l	94
3) Chloromethane	2.359	50	32357	19.008	ug/l	96
4) Vinyl Chloride	2.512	62	32240	18.707	ug/l	100
5) Bromomethane	2.953	94	19968	20.180	ug/l	100
6) Chloroethane	3.118	64	21829	18.057	ug/l	94
7) Trichlorofluoromethane	3.495	101	57379	19.614	ug/l	99
8) Diethyl Ether	3.959	74	20109	20.507	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	29168	18.811	ug/l	95
10) Methyl Iodide	4.589	142	37385	18.958	ug/l	99
11) Tert butyl alcohol	5.524	59	36502	133.527	ug/l	100
12) 1,1-Dichloroethene	4.342	96	27914	19.062	ug/l	98
13) Acrolein	4.183	56	19140	70.961	ug/l	100
14) Allyl chloride	5.030	41	48712	18.669	ug/l	97
15) Acrylonitrile	5.724	53	87687	117.949	ug/l	98
16) Acetone	4.430	43	79574	97.235	ug/l	99
17) Carbon Disulfide	4.712	76	71101	17.358	ug/l	100
18) Methyl Acetate	5.024	43	45359	25.700	ug/l	96
19) Methyl tert-butyl Ether	5.800	73	107626	20.311	ug/l	98
20) Methylene Chloride	5.277	84	34343	20.507	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	29237	18.630	ug/l #	83
22) Diisopropyl ether	6.677	45	116353	21.662	ug/l	97
23) Vinyl Acetate	6.606	43	418611	106.423	ug/l	99
24) 1,1-Dichloroethane	6.571	63	63499	20.520	ug/l	100
25) 2-Butanone	7.483	43	121661	113.109	ug/l	98
26) 2,2-Dichloropropane	7.488	77	40403	14.177	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	37570	20.167	ug/l	100
28) Bromochloromethane	7.818	49	29636	22.742	ug/l	91
29) Tetrahydrofuran	7.841	42	75543	118.778	ug/l	98
30) Chloroform	7.971	83	69538	21.167	ug/l	97
31) Cyclohexane	8.259	56	52082	17.652	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	62216	20.596	ug/l	95
36) 1,1-Dichloropropene	8.371	75	43563	18.735	ug/l	97
37) Ethyl Acetate	7.559	43	48758	23.102	ug/l	97
38) Carbon Tetrachloride	8.359	117	52013	19.717	ug/l	100
39) Methylcyclohexane	9.600	83	43232	16.335	ug/l	96
40) Benzene	8.606	78	137530	19.651	ug/l	99

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Data File : VN084083.D
Acq On : 21 Sep 2024 02:11
Operator : JC\MD
Sample : VN0920WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 23 06:28:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	27978	22.413	ug/l		98
42) 1,2-Dichloroethane	8.671	62	53470	20.447	ug/l		100
43) Isopropyl Acetate	8.688	43	92501	24.185	ug/l		98
44) Trichloroethene	9.353	130	32232	19.888	ug/l		99
45) 1,2-Dichloropropane	9.618	63	34983	20.682	ug/l		99
46) Dibromomethane	9.706	93	24858	20.981	ug/l		99
47) Bromodichloromethane	9.888	83	54592	21.291	ug/l		97
48) Methyl methacrylate	9.677	41	39794	21.930	ug/l		98
49) 1,4-Dioxane	9.694	88	14743	493.890	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.447	43	258215	124.025	ug/l		96
52) Toluene	10.629	92	85057	19.869	ug/l		96
53) t-1,3-Dichloropropene	10.835	75	50231	19.327	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	54271	19.879	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	33530	20.980	ug/l		96
56) Ethyl methacrylate	10.871	69	53871	21.909	ug/l		95
57) 1,3-Dichloropropane	11.165	76	57410	20.901	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	106429	120.127	ug/l		96
59) 2-Hexanone	11.194	43	188293	122.262	ug/l		96
60) Dibromochloromethane	11.359	129	39259	21.950	ug/l		100
61) 1,2-Dibromoethane	11.470	107	33173	20.813	ug/l		97
64) Tetrachloroethene	11.100	164	28123	19.774	ug/l		96
65) Chlorobenzene	11.894	112	91698	19.292	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	32965	20.006	ug/l		98
67) Ethyl Benzene	11.965	91	161186	19.090	ug/l		99
68) m/p-Xylenes	12.070	106	121355	38.713	ug/l		100
69) o-Xylene	12.394	106	58423	19.252	ug/l		99
70) Styrene	12.412	104	100280	20.135	ug/l		100
71) Bromoform	12.576	173	24147	21.747	ug/l	#	95
73) Isopropylbenzene	12.694	105	150894	19.649	ug/l		98
74) N-amyl acetate	12.494	43	74485	22.733	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.941	83	50024	22.170	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	42855m	21.396	ug/l		
77) Bromobenzene	12.982	156	35962	19.454	ug/l		98
78) n-propylbenzene	13.035	91	177189	19.830	ug/l		100
79) 2-Chlorotoluene	13.123	91	113863	19.981	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	127485	19.690	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	14556m	19.034	ug/l		
82) 4-Chlorotoluene	13.223	91	112850	19.734	ug/l		99
83) tert-Butylbenzene	13.435	119	108978	19.238	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	129229	19.870	ug/l		99
85) sec-Butylbenzene	13.617	105	150434	20.024	ug/l		97
86) p-Isopropyltoluene	13.729	119	120849	19.190	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	66697	19.118	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	65123	18.435	ug/l		99
89) n-Butylbenzene	14.053	91	101248	17.907	ug/l		98
90) Hexachloroethane	14.329	117	25146	19.864	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	64969	19.296	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10501	23.346	ug/l		90
93) 1,2,4-Trichlorobenzene	15.394	180	30201	16.715	ug/l		99
94) Hexachlorobutadiene	15.506	225	14298	18.634	ug/l		98
95) Naphthalene	15.641	128	102538	18.654	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	30521	17.676	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084083.D
Acq On : 21 Sep 2024 02:11
Operator : JC\MD
Sample : VN0920WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 23 06:28:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084083.D
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Quant Title : SW846 8260
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Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD02

Manual Integrations APPROVED

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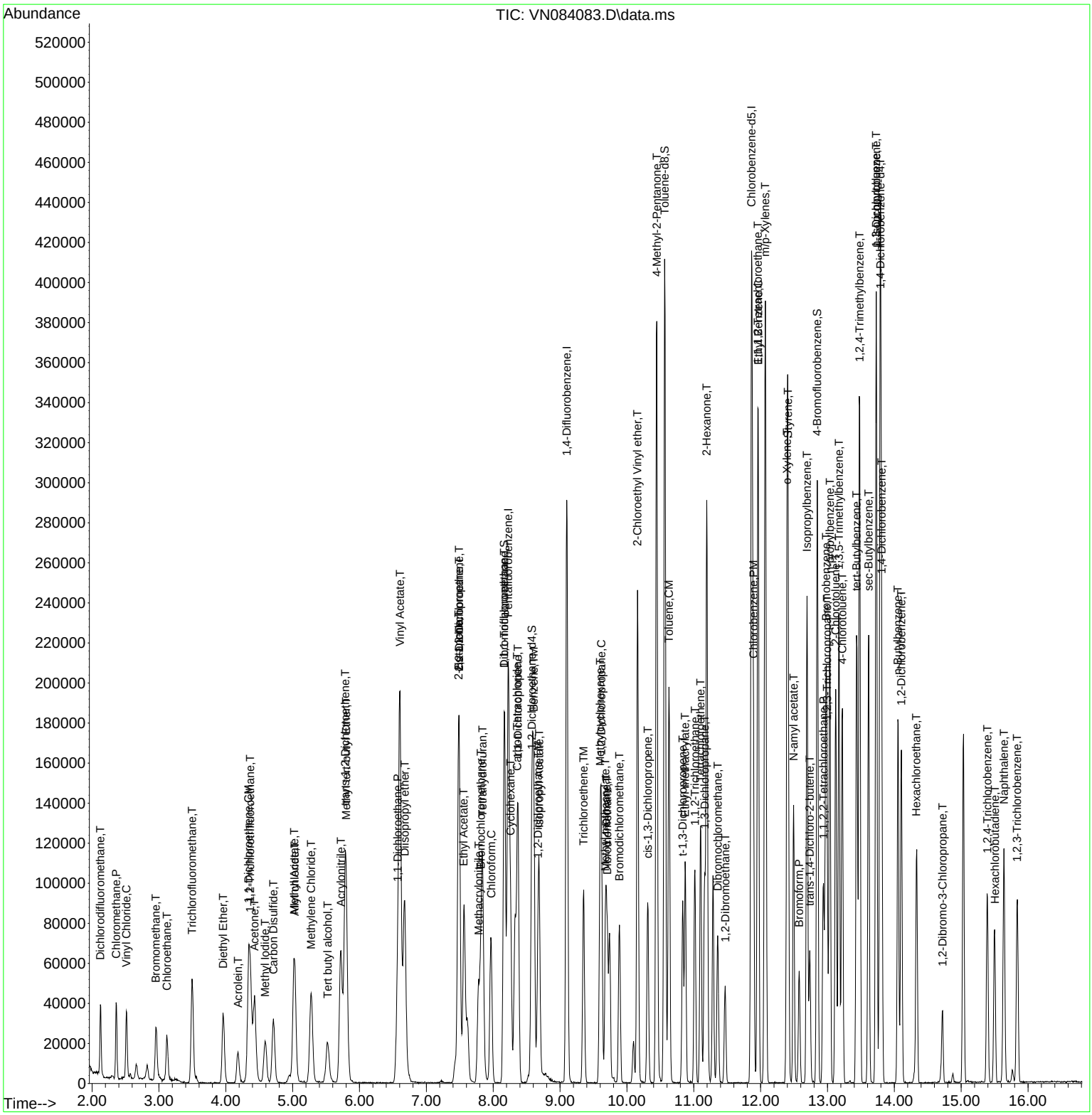

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VN091024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN083742.D	1,2,3-Trichloropropane	JOHN	9/11/2024 9:52:33 AM	SAM	9/11/2024 7:07:21 PM	Peak Integrated by Software
VSTDICCC050	VN083743.D	1,2,3-Trichloropropane	JOHN	9/11/2024 9:52:37 AM	SAM	9/11/2024 7:07:34 PM	Peak Integrated by Software
VSTDICC010	VN083745.D	1,2,3-Trichloropropane	JOHN	9/11/2024 9:52:46 AM	SAM	9/11/2024 7:07:38 PM	Peak Integrated by Software
VSTDICC005	VN083746.D	1,2,3-Trichloropropane	JOHN	9/11/2024 9:52:50 AM	SAM	9/11/2024 7:07:40 PM	Peak Integrated by Software
VSTDICC005	VN083746.D	Tert butyl alcohol	JOHN	9/11/2024 9:52:50 AM	SAM	9/11/2024 7:07:40 PM	Peak Integrated by Software
VSTDICC001	VN083747.D	1,2,3-Trichloropropane	JOHN	9/11/2024 9:52:55 AM	SAM	9/11/2024 7:07:43 PM	Peak Integrated by Software
VSTDICC001	VN083747.D	1,4-Dichlorobenzene	JOHN	9/11/2024 9:52:55 AM	SAM	9/11/2024 7:07:43 PM	Peak Integrated by Software
VSTDICC001	VN083747.D	Chloroethane	JOHN	9/11/2024 9:52:55 AM	SAM	9/11/2024 7:07:43 PM	Peak Integrated by Software
VSTDICC001	VN083747.D	Chloromethane	JOHN	9/11/2024 9:52:55 AM	SAM	9/11/2024 7:07:43 PM	Peak Integrated by Software
VSTDICC001	VN083747.D	Methacrylonitrile	JOHN	9/11/2024 9:52:55 AM	SAM	9/11/2024 7:07:43 PM	Peak Integrated by Software
VSTDICC001	VN083747.D	Methyl Acetate	JOHN	9/11/2024 9:52:55 AM	SAM	9/11/2024 7:07:43 PM	Peak Integrated by Software
VSTDICC020	VN083749.D	1,2,3-Trichloropropane	JOHN	9/11/2024 9:52:59 AM	SAM	9/11/2024 7:07:45 PM	Peak Integrated by Software
VSTDICV050	VN083750.D	1,2,3-Trichloropropane	JOHN	9/11/2024 9:53:03 AM	SAM	9/11/2024 7:07:47 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN091024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN083763.D	1,2,3-Trichloropropane	JOHN	9/11/2024 9:53:30 AM	SAM	9/11/2024 7:07:56 PM	Peak Integrated by Software
VSTDCCC050	VN083765.D	1,2,3-Trichloropropane	JOHN	9/11/2024 9:53:35 AM	SAM	9/11/2024 7:07:58 PM	Peak Integrated by Software
VSTDCCC050	VN083789.D	1,2,3-Trichloropropane	JOHN	9/11/2024 4:17:34 PM	SAM	9/11/2024 7:08:27 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn092024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN084058.D	1,2,3-Trichloropropane	JOHN	9/23/2024 9:51:23 AM	MMDadoda	9/23/2024 12:09:38 PM	Peak Integrated by Software
VSTDCCC020	VN084078.D	1,2,3-Trichloropropane	JOHN	9/23/2024 9:52:35 AM	MMDadoda	9/23/2024 12:10:09 PM	Peak Integrated by Software
VSTDCCC020	VN084078.D	2-Hexanone	JOHN	9/23/2024 9:52:35 AM	MMDadoda	9/23/2024 12:10:09 PM	Peak Integrated by Software
VSTDCCC020	VN084078.D	Acetone	JOHN	9/23/2024 9:52:35 AM	MMDadoda	9/23/2024 12:10:09 PM	Peak Integrated by Software
VSTDCCC020	VN084078.D	Methyl Iodide	JOHN	9/23/2024 9:52:35 AM	MMDadoda	9/23/2024 12:10:09 PM	Peak Integrated by Software
VSTDCCC050	VN084080.D	1,2,3-Trichloropropane	JOHN	9/23/2024 9:52:39 AM	MMDadoda	9/23/2024 12:10:12 PM	Peak Integrated by Software
VSTDCCC050	VN084080.D	trans-1,4-Dichloro-2-but ene	JOHN	9/23/2024 9:52:39 AM	MMDadoda	9/23/2024 12:10:12 PM	Peak Integrated by Software
VN0920WBS02	VN084082.D	1,2,3-Trichloropropane	JOHN	9/23/2024 9:58:42 AM	MMDadoda	9/23/2024 12:10:15 PM	Peak Integrated by Software
VN0920WBSD0 2	VN084083.D	1,2,3-Trichloropropane	JOHN	9/23/2024 9:58:48 AM	MMDadoda	9/23/2024 12:10:17 PM	Peak Integrated by Software
VN0920WBSD0 2	VN084083.D	trans-1,4-Dichloro-2-but ene	JOHN	9/23/2024 9:58:48 AM	MMDadoda	9/23/2024 12:10:17 PM	Peak Integrated by Software
P4103-02	VN084085.D	Isopropyl Acetate	JOHN	9/23/2024 9:58:58 AM	MMDadoda	9/23/2024 12:10:22 PM	Peak Integrated by Software
P4103-05	VN084086.D	Isopropyl Acetate	JOHN	9/23/2024 9:59:02 AM	MMDadoda	9/23/2024 12:10:23 PM	Peak Integrated by Software
P4103-08	VN084087.D	Isopropyl Acetate	JOHN	9/23/2024 9:59:06 AM	MMDadoda	9/23/2024 12:10:26 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn092024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4103-08	VN084087.D	Methylene Chloride	JOHN	9/23/2024 9:59:06 AM	MMDadoda	9/23/2024 12:10:26 PM	Peak Integrated by Software
P4103-11	VN084088.D	Isopropyl Acetate	JOHN	9/23/2024 9:59:10 AM	MMDadoda	9/23/2024 12:10:28 PM	Peak Integrated by Software
P4103-14	VN084089.D	Isopropyl Acetate	JOHN	9/23/2024 9:59:15 AM	MMDadoda	9/23/2024 12:10:30 PM	Peak Integrated by Software
P4103-17	VN084090.D	Isopropyl Acetate	JOHN	9/23/2024 9:59:19 AM	MMDadoda	9/23/2024 12:10:31 PM	Peak Integrated by Software
VSTDCCC050	VN084094.D	1,2,3-Trichloropropane	JOHN	9/23/2024 9:59:49 AM	MMDadoda	9/23/2024 12:10:36 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091024

Review By	John Carlone	Review On	9/11/2024 4:18:14 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2024 7:08:33 PM		
SubDirectory	VN091024	HP Acquire Method		HP Processing Method	82N091024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130211,VP130225
Initial Calibration Stds	VP130230,VP130231,VP130232,VP130233,VP130234,VP130235
CCC	VP130212,VP130213,VP130226
Internal Standard/PEM	
ICV/I.BLK	VP130236
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN083741.D	10 Sep 2024 08:02	JC\MD	Ok
2	VSTDICC100	VN083742.D	10 Sep 2024 09:08	JC\MD	Ok,M
3	VSTDICCC050	VN083743.D	10 Sep 2024 09:32	JC\MD	Ok,M
4	VSTDICC020	VN083744.D	10 Sep 2024 09:56	JC\MD	Not Ok
5	VSTDICC010	VN083745.D	10 Sep 2024 10:20	JC\MD	Ok,M
6	VSTDICC005	VN083746.D	10 Sep 2024 10:44	JC\MD	Ok,M
7	VSTDICC001	VN083747.D	10 Sep 2024 11:32	JC\MD	Ok,M
8	IBLK	VN083748.D	10 Sep 2024 11:56	JC\MD	Ok
9	VSTDICC020	VN083749.D	10 Sep 2024 12:43	JC\MD	Ok,M
10	VSTDICV050	VN083750.D	10 Sep 2024 13:36	JC\MD	Ok,M
11	VN0910MBL01	VN083751.D	10 Sep 2024 14:10	JC\MD	Ok
12	VN0910WBL01	VN083752.D	10 Sep 2024 14:34	JC\MD	Ok
13	VN0910WBS01	VN083753.D	10 Sep 2024 15:34	JC\MD	Ok,M
14	VN0910WBSD01	VN083754.D	10 Sep 2024 16:07	JC\MD	Ok,M
15	P3845-01	VN083755.D	10 Sep 2024 16:31	JC\MD	Dilution
16	IBLK	VN083756.D	10 Sep 2024 16:55	JC\MD	Ok
17	P3841-02DL	VN083757.D	10 Sep 2024 17:20	JC\MD	Ok
18	P3841-03DL	VN083758.D	10 Sep 2024 17:44	JC\MD	Ok
19	P3868-01	VN083759.D	10 Sep 2024 18:08	JC\MD	Ok
20	P3868-02	VN083760.D	10 Sep 2024 18:32	JC\MD	Ok
21	P3907-02	VN083761.D	10 Sep 2024 18:56	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091024

Review By	John Carlone	Review On	9/11/2024 4:18:14 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2024 7:08:33 PM		
SubDirectory	VN091024	HP Acquire Method		HP Processing Method	82N091024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130211,VP130225
Initial Calibration Stds	VP130230,VP130231,VP130232,VP130233,VP130234,VP130235
CCC	VP130212,VP130213,VP130226
Internal Standard/PEM	
ICV/I.BLK	VP130236
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3907-08	VN083762.D	10 Sep 2024 19:20	JC\MD	Ok,M
23	VSTDCCC050	VN083763.D	10 Sep 2024 19:44	JC\MD	Ok,M
24	BFB	VN083764.D	11 Sep 2024 02:03	JC\MD	Ok
25	VSTDCCC050	VN083765.D	11 Sep 2024 02:27	JC\MD	Ok,M
26	VN0910MBL02	VN083766.D	11 Sep 2024 02:51	JC\MD	Ok
27	VN0910WBL02	VN083767.D	11 Sep 2024 03:15	JC\MD	Ok
28	VN0910WBS02	VN083768.D	11 Sep 2024 03:39	JC\MD	Ok,M
29	VN0910WBSD02	VN083769.D	11 Sep 2024 04:03	JC\MD	Ok,M
30	PB163204TB	VN083770.D	11 Sep 2024 04:27	JC\MD	Ok,M
31	PB163204ZHE#01	VN083771.D	11 Sep 2024 04:50	JC\MD	Ok,M
32	PB163204ZHE#02	VN083772.D	11 Sep 2024 05:14	JC\MD	Ok,M
33	PB163204ZHE#03	VN083773.D	11 Sep 2024 05:38	JC\MD	Ok,M
34	PB163204ZHE#04	VN083774.D	11 Sep 2024 06:02	JC\MD	Ok,M
35	PB163204ZHE#05	VN083775.D	11 Sep 2024 06:26	JC\MD	Ok,M
36	PB163204ZHE#06	VN083776.D	11 Sep 2024 06:50	JC\MD	Ok
37	PB163204ZHE#07	VN083777.D	11 Sep 2024 07:14	JC\MD	Ok,M
38	PB163204ZHE#08	VN083778.D	11 Sep 2024 07:38	JC\MD	Ok,M
39	PB163204ZHE#09	VN083779.D	11 Sep 2024 08:02	JC\MD	Ok,M
40	PB163204ZHE#10	VN083780.D	11 Sep 2024 08:26	JC\MD	Ok,M
41	PB163204ZHE#11	VN083781.D	11 Sep 2024 08:50	JC\MD	Ok,M
42	PB163204ZHE#12	VN083782.D	11 Sep 2024 09:14	JC\MD	Ok
43	P3872-01	VN083783.D	11 Sep 2024 09:38	JC\MD	Ok
44	P3892-02	VN083784.D	11 Sep 2024 10:02	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091024

Review By	John Carlone	Review On	9/11/2024 4:18:14 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2024 7:08:33 PM		
SubDirectory	VN091024	HP Acquire Method		HP Processing Method	82N091024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130211,VP130225
Initial Calibration Stds	VP130230,VP130231,VP130232,VP130233,VP130234,VP130235
CCC	VP130212,VP130213,VP130226
Internal Standard/PEM	
ICV/I.BLK	VP130236
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	P3906-02	VN083785.D	11 Sep 2024 10:26	JC\MD	Ok
46	P3906-08	VN083786.D	11 Sep 2024 10:50	JC\MD	Ok
47	P3906-14	VN083787.D	11 Sep 2024 11:14	JC\MD	Ok
48	P3891-02	VN083788.D	11 Sep 2024 11:38	JC\MD	ReRun
49	VSTDCCC050	VN083789.D	11 Sep 2024 12:02	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092024

Review By	John Carlone	Review On	9/23/2024 10:06:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/23/2024 4:14:47 PM		
SubDirectory	VN092024	HP Acquire Method		HP Processing Method	624N090624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130414,VP130422
Initial Calibration Stds	
CCC	VP130415,VP130416,VP130431,VP130433
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084057.D	20 Sep 2024 07:53	JC\MD	Ok
2	VSTDCCC020	VN084058.D	20 Sep 2024 09:32	JC\MD	Ok,M
3	VN0920WBS01	VN084059.D	20 Sep 2024 10:11	JC\MD	Ok,M
4	VN0920WBSD01	VN084060.D	20 Sep 2024 10:44	JC\MD	Ok,M
5	VN0920WBL01	VN084061.D	20 Sep 2024 11:08	JC\MD	Ok
6	VN0920WBL02	VN084062.D	20 Sep 2024 11:32	JC\MD	Ok
7	P4110-01	VN084063.D	20 Sep 2024 11:56	JC\MD	Ok
8	P4110-02	VN084064.D	20 Sep 2024 12:20	JC\MD	Ok
9	P4110-03	VN084065.D	20 Sep 2024 12:44	JC\MD	Ok
10	P4093-01	VN084066.D	20 Sep 2024 13:32	JC\MD	Not Ok
11	P4093-02	VN084067.D	20 Sep 2024 13:56	JC\MD	Not Ok
12	PB163512ZHE#01	VN084068.D	20 Sep 2024 14:20	JC\MD	Ok,M
13	PB163512ZHE#02	VN084069.D	20 Sep 2024 14:45	JC\MD	Ok,M
14	PB163512ZHE#03	VN084070.D	20 Sep 2024 15:09	JC\MD	Ok,M
15	PB163512ZHE#04	VN084071.D	20 Sep 2024 15:33	JC\MD	Ok,M
16	PB163512ZHE#05	VN084072.D	20 Sep 2024 15:57	JC\MD	Ok,M
17	PB163512ZHE#06	VN084073.D	20 Sep 2024 16:21	JC\MD	Ok,M
18	PB163512ZHE#07	VN084074.D	20 Sep 2024 16:45	JC\MD	Ok,M
19	PB163512ZHE#08	VN084075.D	20 Sep 2024 17:09	JC\MD	Ok,M
20	P4093-01	VN084076.D	20 Sep 2024 17:33	JC\MD	Ok
21	P4093-02	VN084077.D	20 Sep 2024 17:57	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092024

Review By	John Carlone	Review On	9/23/2024 10:06:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/23/2024 4:14:47 PM		
SubDirectory	VN092024	HP Acquire Method		HP Processing Method	624N090624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130414,VP130422
Initial Calibration Stds	
CCC	VP130415,VP130416,VP130431,VP130433
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC020	VN084078.D	20 Sep 2024 18:22	JC\MD	Ok,M
23	BFB	VN084079.D	20 Sep 2024 23:44	JC\MD	Ok
24	VSTDCCC050	VN084080.D	21 Sep 2024 00:20	JC\MD	Ok,M
25	VN0920WBL03	VN084081.D	21 Sep 2024 01:23	JC\MD	Ok
26	VN0920WBS02	VN084082.D	21 Sep 2024 01:47	JC\MD	Ok,M
27	VN0920WBSD02	VN084083.D	21 Sep 2024 02:11	JC\MD	Ok,M
28	PB163512TB	VN084084.D	21 Sep 2024 02:35	JC\MD	Ok,M
29	P4103-02	VN084085.D	21 Sep 2024 02:59	JC\MD	Ok,M
30	P4103-05	VN084086.D	21 Sep 2024 03:23	JC\MD	Ok,M
31	P4103-08	VN084087.D	21 Sep 2024 03:47	JC\MD	Ok,M
32	P4103-11	VN084088.D	21 Sep 2024 04:11	JC\MD	Ok,M
33	P4103-14	VN084089.D	21 Sep 2024 04:35	JC\MD	Ok,M
34	P4103-17	VN084090.D	21 Sep 2024 04:59	JC\MD	Ok,M
35	P4120-14	VN084091.D	21 Sep 2024 05:23	JC\MD	Ok,M
36	P4099-01	VN084092.D	21 Sep 2024 05:47	JC\MD	Not Ok
37	P4123-04	VN084093.D	21 Sep 2024 06:11	JC\MD	Ok,M
38	VSTDCCC050	VN084094.D	21 Sep 2024 06:35	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091024

Review By	John Carlone	Review On	9/11/2024 4:18:14 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2024 7:08:33 PM		
SubDirectory	VN091024	HP Acquire Method		HP Processing Method	82N091024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130211,VP130225
Initial Calibration Stds	VP130230,VP130231,VP130232,VP130233,VP130234,VP130235
CCC	VP130212,VP130213,VP130226
Internal Standard/PEM	
ICV/I.BLK	VP130236
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN083741.D	10 Sep 2024 08:02		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN083742.D	10 Sep 2024 09:08	Good for DOD & Non DOD	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN083743.D	10 Sep 2024 09:32	LR- 3, 18	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN083744.D	10 Sep 2024 09:56	Not used	JC\MD	Not Ok
5	VSTDICC010	VSTDICC010	VN083745.D	10 Sep 2024 10:20		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN083746.D	10 Sep 2024 10:44		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN083747.D	10 Sep 2024 11:32		JC\MD	Ok,M
8	IBLK	IBLK	VN083748.D	10 Sep 2024 11:56		JC\MD	Ok
9	VSTDICC020	VSTDICC020	VN083749.D	10 Sep 2024 12:43		JC\MD	Ok,M
10	VSTDICV050	ICVVN091024	VN083750.D	10 Sep 2024 13:36		JC\MD	Ok,M
11	VN0910MBL01	VN0910MBL01	VN083751.D	10 Sep 2024 14:10		JC\MD	Ok
12	VN0910WBL01	VN0910WBL01	VN083752.D	10 Sep 2024 14:34		JC\MD	Ok
13	VN0910WBS01	VN0910WBS01	VN083753.D	10 Sep 2024 15:34	BS low	JC\MD	Ok,M
14	VN0910WBSD01	VN0910WBSD01	VN083754.D	10 Sep 2024 16:07		JC\MD	Ok,M
15	P3845-01	PT-VOA-WP	VN083755.D	10 Sep 2024 16:31	BS low, Need 4X	JC\MD	Dilution
16	IBLK	IBLK	VN083756.D	10 Sep 2024 16:55		JC\MD	Ok
17	P3841-02DL	OW-07B-65.5-090424D	VN083757.D	10 Sep 2024 17:20	vial B pH<2	JC\MD	Ok
18	P3841-03DL	MW-11B-37.5-090424D	VN083758.D	10 Sep 2024 17:44	vial B pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091024

Review By	John Carlone	Review On	9/11/2024 4:18:14 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2024 7:08:33 PM		
SubDirectory	VN091024	HP Acquire Method		HP Processing Method	82N091024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130211,VP130225
Initial Calibration Stds	VP130230,VP130231,VP130232,VP130233,VP130234,VP130235
CCC	VP130212,VP130213,VP130226
Internal Standard/PEM	
ICV/I.BLK	VP130236
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3868-01	OWBR-06-219-090524	VN083759.D	10 Sep 2024 18:08	vial B pH<2	JC\MD	Ok
20	P3868-02	OWBR-01-170-090524	VN083760.D	10 Sep 2024 18:32	vial B pH<2	JC\MD	Ok
21	P3907-02	PL-701-COMP-54	VN083761.D	10 Sep 2024 18:56	vial A pH#5.0	JC\MD	Ok,M
22	P3907-08	PL-701-COMP-55	VN083762.D	10 Sep 2024 19:20	vial A pH#5.0	JC\MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VN083763.D	10 Sep 2024 19:44		JC\MD	Ok,M
24	BFB	BFB	VN083764.D	11 Sep 2024 02:03		JC\MD	Ok
25	VSTDCCC050	VSTDCCC050	VN083765.D	11 Sep 2024 02:27		JC\MD	Ok,M
26	VN0910MBL02	VN0910WBL03	VN083766.D	11 Sep 2024 02:51		JC\MD	Ok
27	VN0910WBL02	VN0910WBL04	VN083767.D	11 Sep 2024 03:15		JC\MD	Ok
28	VN0910WBS02	VN0910WBS02	VN083768.D	11 Sep 2024 03:39		JC\MD	Ok,M
29	VN0910WBSD02	VN0910WBSD02	VN083769.D	11 Sep 2024 04:03		JC\MD	Ok,M
30	PB163204TB	PB163204TB	VN083770.D	11 Sep 2024 04:27		JC\MD	Ok,M
31	PB163204ZHE#01	PB163204ZHE#01	VN083771.D	11 Sep 2024 04:50		JC\MD	Ok,M
32	PB163204ZHE#02	PB163204ZHE#02	VN083772.D	11 Sep 2024 05:14		JC\MD	Ok,M
33	PB163204ZHE#03	PB163204ZHE#03	VN083773.D	11 Sep 2024 05:38		JC\MD	Ok,M
34	PB163204ZHE#04	PB163204ZHE#04	VN083774.D	11 Sep 2024 06:02		JC\MD	Ok,M
35	PB163204ZHE#05	PB163204ZHE#05	VN083775.D	11 Sep 2024 06:26		JC\MD	Ok,M
36	PB163204ZHE#06	PB163204ZHE#06	VN083776.D	11 Sep 2024 06:50		JC\MD	Ok
37	PB163204ZHE#07	PB163204ZHE#07	VN083777.D	11 Sep 2024 07:14		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091024

Review By	John Carlone	Review On	9/11/2024 4:18:14 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2024 7:08:33 PM		
SubDirectory	VN091024	HP Acquire Method		HP Processing Method	82N091024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130211,VP130225
Initial Calibration Stds	VP130230,VP130231,VP130232,VP130233,VP130234,VP130235
CCC	VP130212,VP130213,VP130226
Internal Standard/PEM	
ICV/I.BLK	VP130236
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB163204ZHE#08	PB163204ZHE#08	VN083778.D	11 Sep 2024 07:38		JC\MD	Ok,M
39	PB163204ZHE#09	PB163204ZHE#09	VN083779.D	11 Sep 2024 08:02		JC\MD	Ok,M
40	PB163204ZHE#10	PB163204ZHE#10	VN083780.D	11 Sep 2024 08:26		JC\MD	Ok,M
41	PB163204ZHE#11	PB163204ZHE#11	VN083781.D	11 Sep 2024 08:50		JC\MD	Ok,M
42	PB163204ZHE#12	PB163204ZHE#12	VN083782.D	11 Sep 2024 09:14		JC\MD	Ok
43	P3872-01	WC-S-07-202409	VN083783.D	11 Sep 2024 09:38	vial A pH#5.0	JC\MD	Ok
44	P3892-02	ARS20-005	VN083784.D	11 Sep 2024 10:02	vial A pH#5.0	JC\MD	Ok,M
45	P3906-02	SU-701-COMP-01	VN083785.D	11 Sep 2024 10:26	vial A pH#5.0	JC\MD	Ok
46	P3906-08	SU-701-COMP-02	VN083786.D	11 Sep 2024 10:50	vial A pH#5.0	JC\MD	Ok
47	P3906-14	SU-701-COMP-03	VN083787.D	11 Sep 2024 11:14	vial A pH#5.0	JC\MD	Ok
48	P3891-02	AUD-SBG	VN083788.D	11 Sep 2024 11:38	vial A pH#5.0 Surrogate Fail	JC\MD	ReRun
49	VSTDCCC050	VSTDCCC050EC	VN083789.D	11 Sep 2024 12:02		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092024

Review By	John Carlone	Review On	9/23/2024 10:06:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/23/2024 4:14:47 PM		
SubDirectory	VN092024	HP Acquire Method		HP Processing Method	624N090624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130414,VP130422
Initial Calibration Stds	
CCC	VP130415,VP130416,VP130431,VP130433
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084057.D	20 Sep 2024 07:53		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN084058.D	20 Sep 2024 09:32	V13516	JC\MD	Ok,M
3	VN0920WBS01	VN0920WBS01	VN084059.D	20 Sep 2024 10:11		JC\MD	Ok,M
4	VN0920WBSD01	VN0920WBSD01	VN084060.D	20 Sep 2024 10:44		JC\MD	Ok,M
5	VN0920WBL01	VN0920WBL01	VN084061.D	20 Sep 2024 11:08		JC\MD	Ok
6	VN0920WBL02	VN0920WBL02	VN084062.D	20 Sep 2024 11:32		JC\MD	Ok
7	P4110-01	TT-TB-20240918	VN084063.D	20 Sep 2024 11:56	vial A pH<2 TB	JC\MD	Ok
8	P4110-02	TT-065-IDWGW-20240	VN084064.D	20 Sep 2024 12:20	vial A pH<2	JC\MD	Ok
9	P4110-03	TT-066-IDWGW-20240	VN084065.D	20 Sep 2024 12:44	vial A pH<2	JC\MD	Ok
10	P4093-01	OUTFALL-DSN-001	VN084066.D	20 Sep 2024 13:32	Need Straight Run	JC\MD	Not Ok
11	P4093-02	OUTFALL-DSN-002	VN084067.D	20 Sep 2024 13:56	Need Straight Run	JC\MD	Not Ok
12	PB163512ZHE#01	PB163512ZHE#01	VN084068.D	20 Sep 2024 14:20		JC\MD	Ok,M
13	PB163512ZHE#02	PB163512ZHE#02	VN084069.D	20 Sep 2024 14:45		JC\MD	Ok,M
14	PB163512ZHE#03	PB163512ZHE#03	VN084070.D	20 Sep 2024 15:09		JC\MD	Ok,M
15	PB163512ZHE#04	PB163512ZHE#04	VN084071.D	20 Sep 2024 15:33		JC\MD	Ok,M
16	PB163512ZHE#05	PB163512ZHE#05	VN084072.D	20 Sep 2024 15:57		JC\MD	Ok,M
17	PB163512ZHE#06	PB163512ZHE#06	VN084073.D	20 Sep 2024 16:21		JC\MD	Ok,M
18	PB163512ZHE#07	PB163512ZHE#07	VN084074.D	20 Sep 2024 16:45		JC\MD	Ok,M

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092024

Review By	John Carlone	Review On	9/23/2024 10:06:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/23/2024 4:14:47 PM		
SubDirectory	VN092024	HP Acquire Method		HP Processing Method	624N090624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130414,VP130422
Initial Calibration Stds	
CCC	VP130415,VP130416,VP130431,VP130433
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB163512ZHE#08	PB163512ZHE#08	VN084075.D	20 Sep 2024 17:09		JC\MD	Ok,M
20	P4093-01	OUTFALL-DSN-001	VN084076.D	20 Sep 2024 17:33	vial A pH<2	JC\MD	Ok
21	P4093-02	OUTFALL-DSN-002	VN084077.D	20 Sep 2024 17:57	vial A pH<2	JC\MD	Ok
22	VSTDCCC020	VSTDCCC020EC	VN084078.D	20 Sep 2024 18:22		JC\MD	Ok,M
23	BFB	BFB	VN084079.D	20 Sep 2024 23:44		JC\MD	Ok
24	VSTDCCC050	VSTDCCC050	VN084080.D	21 Sep 2024 00:20		JC\MD	Ok,M
25	VN0920WBL03	VN0920WBL03	VN084081.D	21 Sep 2024 01:23		JC\MD	Ok
26	VN0920WBS02	VN0920WBS02	VN084082.D	21 Sep 2024 01:47		JC\MD	Ok,M
27	VN0920WBSD02	VN0920WBSD02	VN084083.D	21 Sep 2024 02:11		JC\MD	Ok,M
28	PB163512TB	PB163512TB	VN084084.D	21 Sep 2024 02:35		JC\MD	Ok,M
29	P4103-02	WC-22A	VN084085.D	21 Sep 2024 02:59	vial A pH#5.0	JC\MD	Ok,M
30	P4103-05	WC-14-5-7.5A	VN084086.D	21 Sep 2024 03:23	vial A pH#5.0	JC\MD	Ok,M
31	P4103-08	WC-14-5-7.5B	VN084087.D	21 Sep 2024 03:47	vial A pH#5.0	JC\MD	Ok,M
32	P4103-11	WC-14-7.5-10A	VN084088.D	21 Sep 2024 04:11	vial A pH#5.0	JC\MD	Ok,M
33	P4103-14	WC-14-7.5-10B	VN084089.D	21 Sep 2024 04:35	vial A pH#5.0	JC\MD	Ok,M
34	P4103-17	WC-23	VN084090.D	21 Sep 2024 04:59	vial A pH#5.0	JC\MD	Ok,M
35	P4120-14	RB24085	VN084091.D	21 Sep 2024 05:23	vial A pH#5.0	JC\MD	Ok,M
36	P4099-01	GAS-TRANSMISSION-	VN084092.D	21 Sep 2024 05:47	run lower dilution	JC\MD	Not Ok
37	P4123-04	910-A	VN084093.D	21 Sep 2024 06:11	vial A pH<2	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092024

Review By	John Carlone	Review On	9/23/2024 10:06:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/23/2024 4:14:47 PM		
SubDirectory	VN092024	HP Acquire Method		HP Processing Method	624N090624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130414,VP130422
Initial Calibration Stds	
CCC	VP130415,VP130416,VP130431,VP130433
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	VSTDCCC050	VSTDCCC050EC	VN084094.D	21 Sep 2024 06:35		JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163512

SOP ID : M1311-TCLP-14

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

Start Prep Date : 09/19/2024 **Time :** 17:00

End Prep Date : 09/20/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP VNOV2024.

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JC

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	22437	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE SAMPLES ARE EXTRACTED AND GIVEN AS VIAL A & B. Leak checked after 10 mintues of tumbling.
TUMBLER ZHE-1 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/20/24 11:00	JP / TCLP Room	JC / VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163512

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4099-01	GAS-TRANSMISSION-DEBRIS	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4103-02	WC-22A	02	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4103-05	WC-14-5-7.5A	03	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4103-08	WC-14-5-7.5B	04	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4103-11	WC-14-7.5-10A	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4103-14	WC-14-7.5-10B	06	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4103-17	WC-23	07	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4120-14	RB24085	08	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
PB163512TB	LEB512	09	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4099-01	GAS-TRANSMISSION-DEBRIS	N/A	N/A	N/A	N/A	100	N/A
P4103-02	WC-22A	N/A	N/A	N/A	N/A	100	N/A
P4103-05	WC-14-5-7.5A	N/A	N/A	N/A	N/A	100	N/A
P4103-08	WC-14-5-7.5B	N/A	N/A	N/A	N/A	100	N/A
P4103-11	WC-14-7.5-10A	N/A	N/A	N/A	N/A	100	N/A
P4103-14	WC-14-7.5-10B	N/A	N/A	N/A	N/A	100	N/A
P4103-17	WC-23	N/A	N/A	N/A	N/A	100	N/A
P4120-14	RB24085	N/A	N/A	N/A	N/A	100	N/A
PB163512TB	LEB512	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE P4103 **WorkList ID :** 183645 **Department :** TCLP Extraction **Date :** 09-19-2024 11:38:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4099-01	GAS-TRANSMISSION-DEBRIS	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	H53	09/18/2024	1311 ZHE
P4120-14	RB24085	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J13	09/19/2024	1311 ZHE
P4103-02	WC-22A	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J11	09/17/2024	1311 ZHE
P4103-05	WC-14-5-7.5A	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J11	09/17/2024	1311 ZHE
P4103-08	WC-14-5-7.5B	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J11	09/17/2024	1311 ZHE
P4103-11	WC-14-7.5-10A	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J11	09/17/2024	1311 ZHE
P4103-14	WC-14-7.5-10B	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J11	09/17/2024	1311 ZHE
P4103-17	WC-23	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J11	09/17/2024	1311 ZHE

Date/Time 09-19-24 16:15
Raw Sample Received by: JD WOC
Raw Sample Relinquished by:

Date/Time 09-19-24 18:30
Raw Sample Received by:
Raw Sample Relinquished by: JD WOC

SHIPPING DOCUMENTS

P4103

ENTACT

CHAIN OF CUSTODY RECORD

NO. 1 OF 5

COMPANY INFORMATION		PROJECT INFORMATION	
LOCATION	ENTACT LLC	PROJECT	North Point
ATTN	Wyatt Seel	BILLING INFORMATION	
ADDRESS	150 Bay Street, Suite 801	BILL TO	ENTACT LLC
	Jersey City, NJ	ADDRESS	999 Oakmont Plaza Drive Suite 300
			Westmont, IL 60559
PHONE	419-266-4671	PHONE	630-986-2900
FAX		FAX	PO# E9306

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	TCL + 20 SVOCs (8270)	TAL Metals + Boron & Tin (6010/7471)	Full TCLP + TCLP Cu, Ni & Zn (1311/8270/8081/8151/6010/7471)	RCRA Characteristics-I/C/R (1030/9045D/Ch 7 rev3)	PCBs (8082); Hex Chromium (7196)	Ammonia-Nitrogen (ASTM/SM4500H); COD (ASTM/5220D); Oil & Grease (ASTM/1664);	Total Solids (ASTM/SM2540G); Total Volatile Solids (160.4)	TCL+10 VOCs (8260); TCLP VOCs (1311/8260); TPH DRO & GRO (8015)	Tox (9020 or 9023)	COMMENTS
WC-22A	Waste characterization	9/17	11:40	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-14_5_7.5A	Waste characterization	9/17	11:50	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-14_5_7.5B	Waste characterization	9/17	13:30	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-14_7.5_10A	Waste characterization	9/17	12:35	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-14_7.5_10B	Waste characterization	9/17	14:20	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-23	Waste characterization	9/17	14:45	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached

SAMPLER	W. Seel	SHIPMENT	courier	AIRBILL	

REQUIRED TURNAROUND ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: _____

1. RELINQUISHED BY	DATE	2. RELINQUISHED BY	DATE	3. RELINQUISHED BY	DATE
SIGNATURE:	9-18-24	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Wyatt Seel	14:10	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	
1. RECEIVED BY	DATE	2. RECEIVED BY	DATE	3. RECEIVED BY	DATE
SIGNATURE:	9-18-24	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Bonova Peña	14:10	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	

Parameter	Test Method
TCL + 10 VOCs	8270D
TCL + 20 SVOCs	8260B
TAL Metals (+Boron, Tin)	6010/7471
Hexavalent Chromium (Cr+6)	7196
Total Cyanide	9014
TCLP VOCs	1311/8260B
TCLP SVOCs	1311/8270D
TCLP Metals (+ Beryllium, Copper, Nickel, Zinc)	1311/6010/7471
TCLP Pesticides/Herbicides	1311/8080/8151
RCRA Characteristics (Ignitability, Corrosivity, Reactive Sulfide/Cyanide)	SW 846 1030 SW 846/9045D SW 846 7.3.3.2 Rev. 3
PCBs	8082A
TPH/DRO & GRO	8015D
TOX	9020 or 9023
Paint Filter	9095

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4103 ENTA05
Client Name : ENTACT
Client Contact : Chris Lawrence
Invoice Name : ENTACT
Invoice Contact : Chris Lawrence

Order Date : 9/18/2024 3:16:00 PM
North Point
Project Name : ~~CMC - CTV2 #E9322~~
Receive DateTime : 9/18/2024 2:10:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4103-01	WC-22A	Solid	09/17/2024	11:40					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P4103-07	WC-14-5-7.5B	Solid	09/17/2024	13:30					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P4103-10	WC-14-7.5-10A	Solid	09/17/2024	12:35					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P4103-13	WC-14-7.5-10B	Solid	09/17/2024	14:20					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P4103-16	WC-23	Solid	09/17/2024	14:45					
p4103-04	WC-14-5-7.5A	solid	09/17/2024	11:50am	VOC-TCLVOA-10		8260D		5 Bus. Days
					VOC-TCLVOA-10		8260D		5 Bus. Days

Relinguished By :
Date / Time : 9-18-24 16:25

Received By : JC
Date / Time : 9/18/24 1625

Storage Area : **VOA Refridgerator Room**