

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081817.D
 Acq On : 19 Apr 2024 18:28
 Operator : JC\MD
 Sample : P2215-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240418099-02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2024
 Supervised By : Mahesh Dadoda 04/22/2024

Quant Time: Apr 19 23:53:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	14683	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	81432	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	106351	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	51429	28.511	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.033%		
60) 4-Bromofluorobenzene	12.847	95	52924	25.311	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	84.367%		
63) Toluene-d8	10.571	98	122535	28.724	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.733%		
Target Compounds						
					Qvalue	
15) Acetone	4.430	58	26998	142.037	ug/l	99
18) Methylene Chloride	5.265	84	10517m	4.831	ug/l	
21) 1,1-Dichloroethane	6.571	63	13103	3.609	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	6184m	2.470	ug/l	
25) Chloroform	7.971	83	8050	1.949	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	9481	3.213	ug/l	91
62) Toluene	10.630	91	6777	0.876	ug/l	91
80) 1,2,4-Trimethylbenzene	13.482	105	1851	0.274	ug/l	84

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

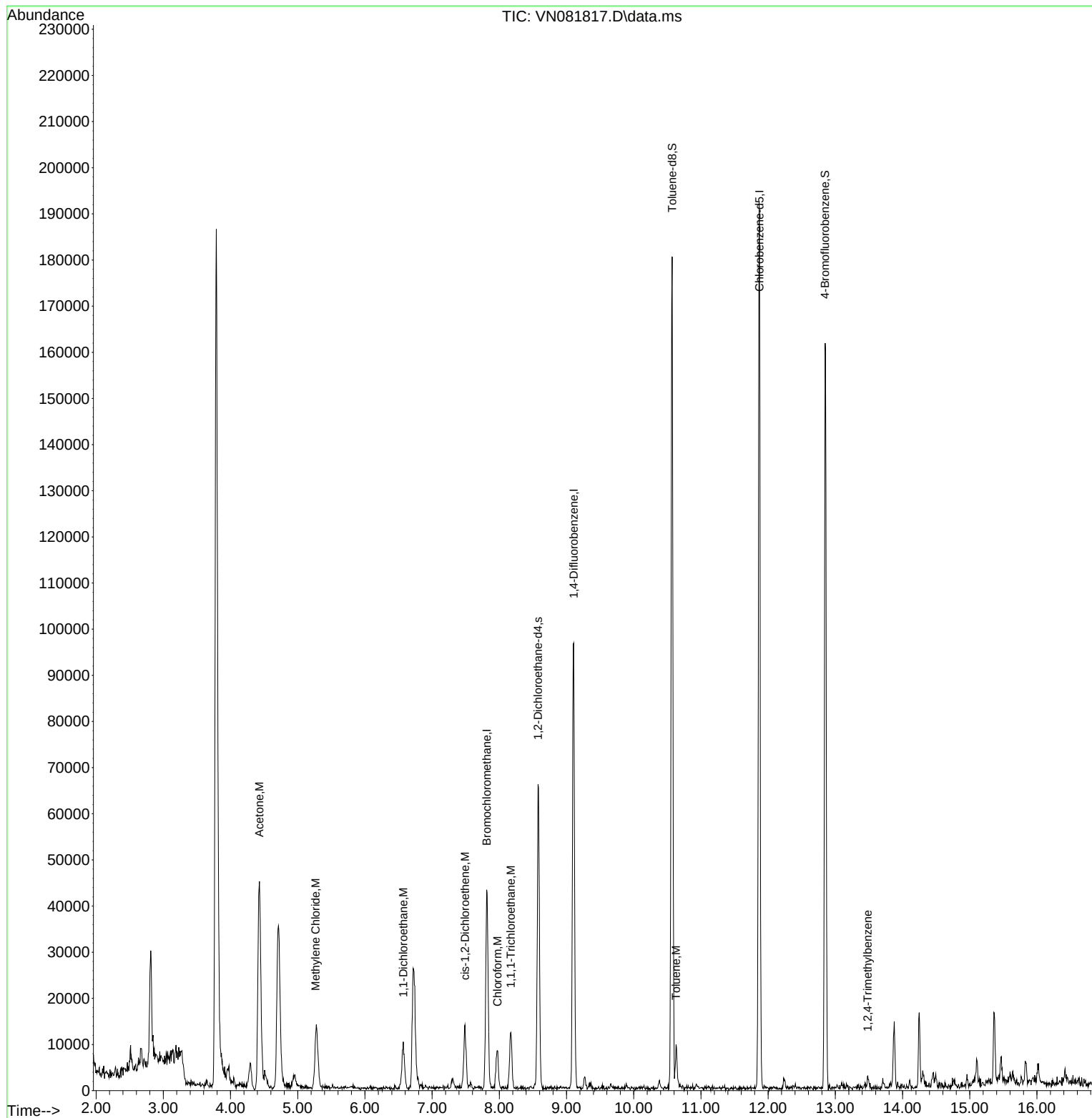
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
Data File : VN081817.D
Acq On : 19 Apr 2024 18:28
Operator : JC\MD
Sample : P2215-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

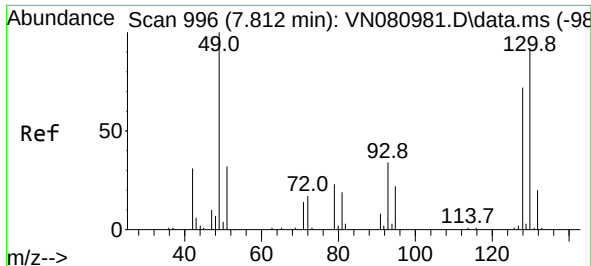
Instrument :
MSVOA_N
ClientSampleId :
240418099-02

Quant Time: Apr 19 23:53:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024





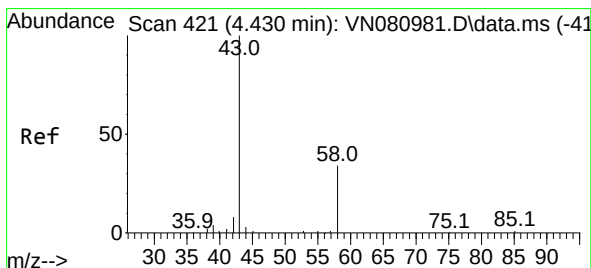
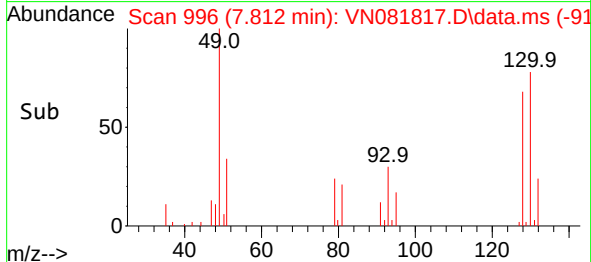
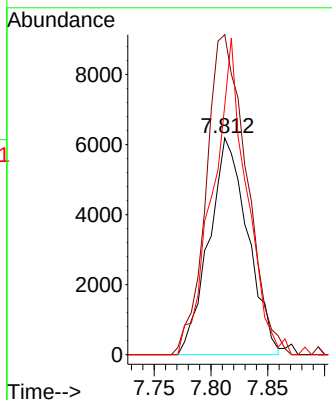
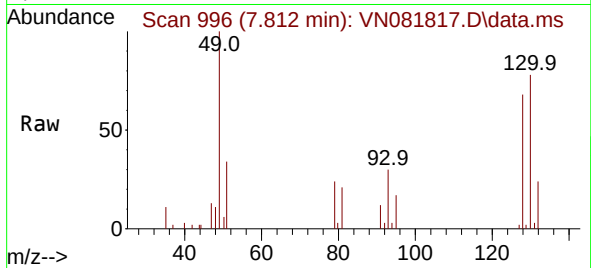
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :
240418099-02

Tgt Ion:128 Resp: 1468
Ion Ratio Lower Upper
128 100
49 154.4 0.0 403.7
130 128.2 0.0 323.3

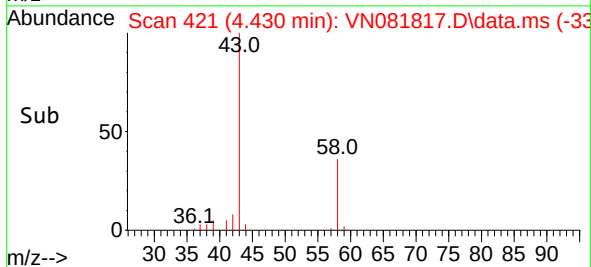
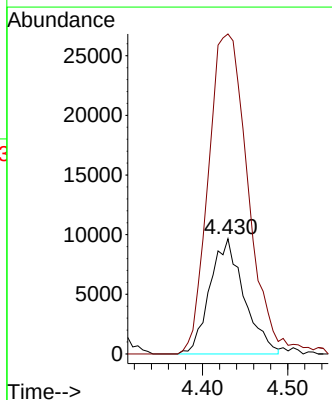
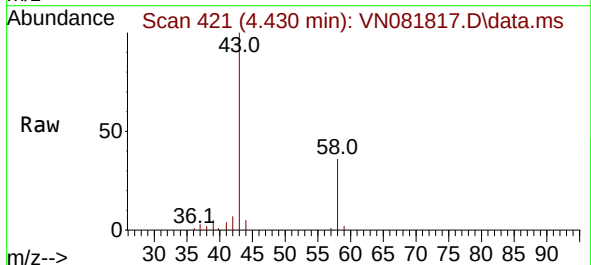
Manual Integrations
APPROVED

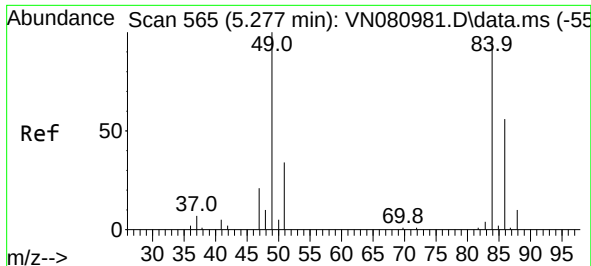
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#15
Acetone
Concen: 142.037 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28

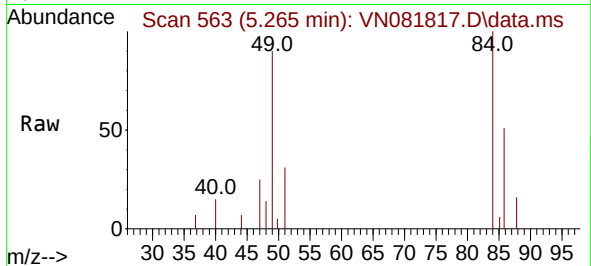
Tgt Ion: 58 Resp: 26998
Ion Ratio Lower Upper
58 100
43 277.8 223.1 334.7





#18
Methylene Chloride
Concen: 4.831 ug/l m
RT: 5.265 min Scan# 505
Delta R.T. -0.018 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28

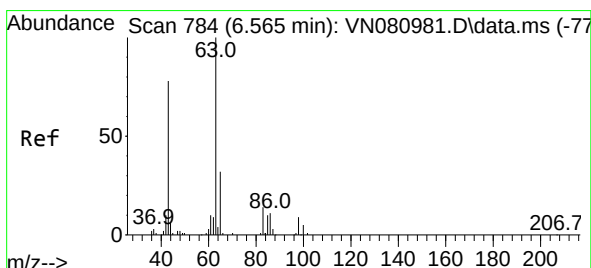
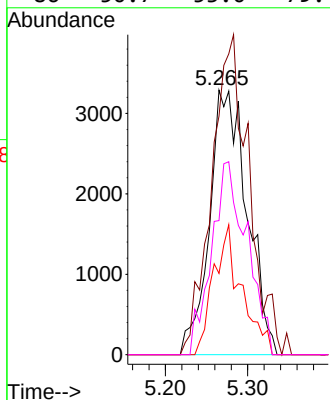
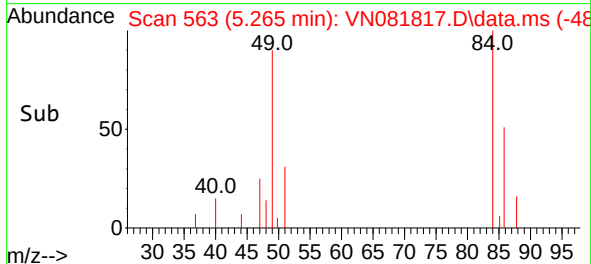
Instrument :
MSVOA_N
ClientSampleId :
240418099-02



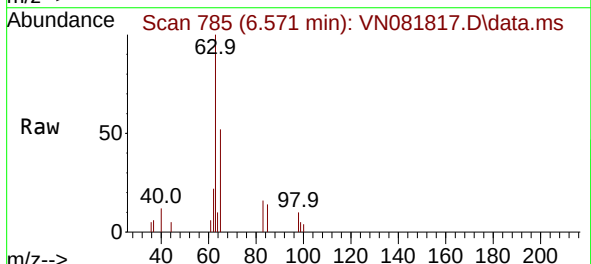
Tgt Ion: 84	Resp: 1051
Ion Ratio	Lower Upper
84	100
49	90.2 86.0 129.0
51	30.7 30.0 45.0
86	50.7 53.0 79.4

Manual Integrations
APPROVED

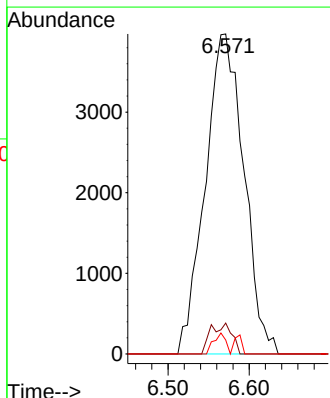
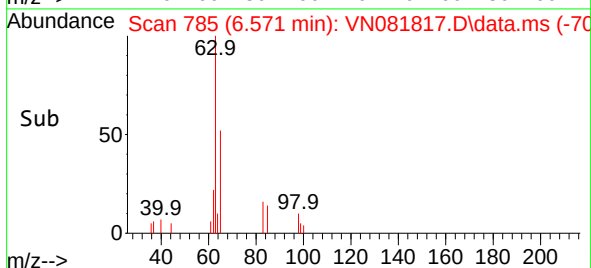
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

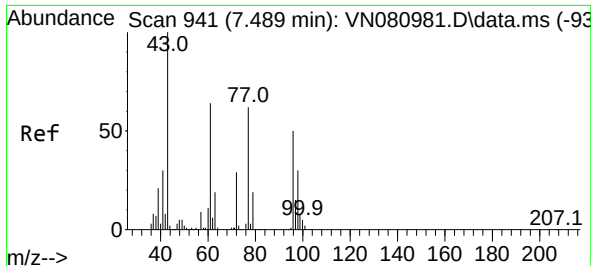


#21
1,1-Dichloroethane
Concen: 3.609 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28



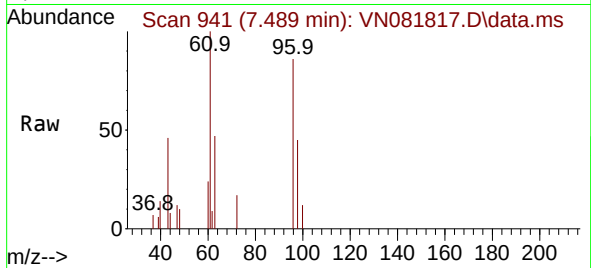
Tgt Ion: 63	Resp: 13103
Ion Ratio	Lower Upper
63	100
98	9.7 4.1 12.3
100	4.4 3.0 9.0





#22
 cis-1,2-Dichloroethene
 Concen: 2.470 ug/l m
 RT: 7.489 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN081817.D
 Acq: 19 Apr 2024 18:28

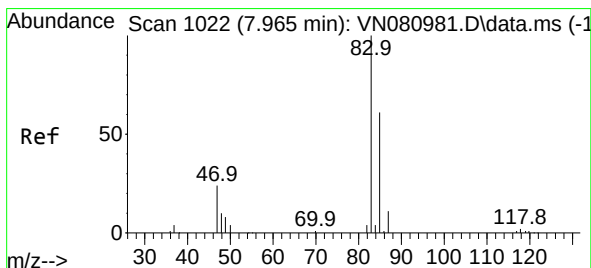
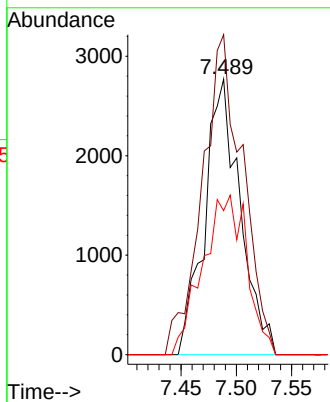
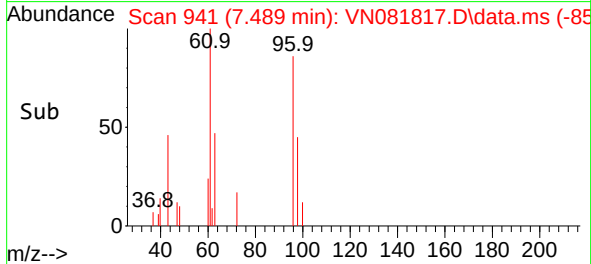
Instrument :
 MSVOA_N
 ClientSampleId :
 240418099-02



Tgt Ion: 96 Resp: 6184
 Ion Ratio Lower Upper
 96 100
 61 77.5 113.5 170.3
 98 54.7 52.0 78.0

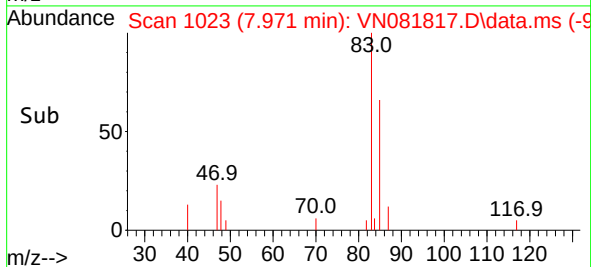
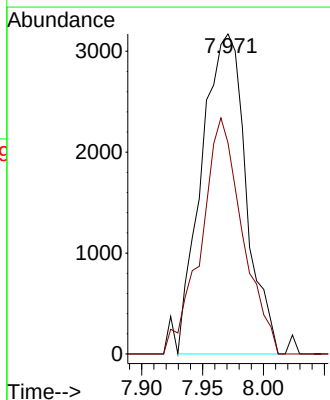
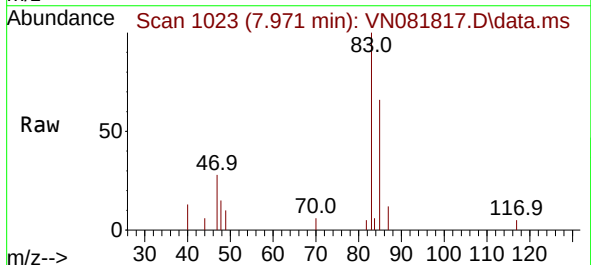
Manual Integrations
 APPROVED

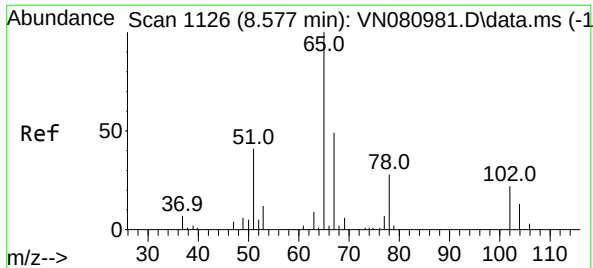
Reviewed By :John Carlone 04/22/2024
 Supervised By :Mahesh Dadoda 04/22/2024



#25
 Chloroform
 Concen: 1.949 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. 0.000 min
 Lab File: VN081817.D
 Acq: 19 Apr 2024 18:28

Tgt Ion: 83 Resp: 8050
 Ion Ratio Lower Upper
 83 100
 85 66.0 50.9 76.3





#27
1,2-Dichloroethane-d4
Concen: 28.511 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

240418099-02

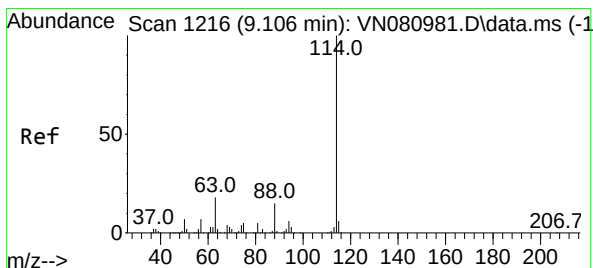
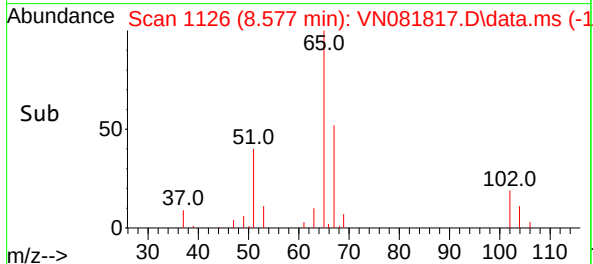
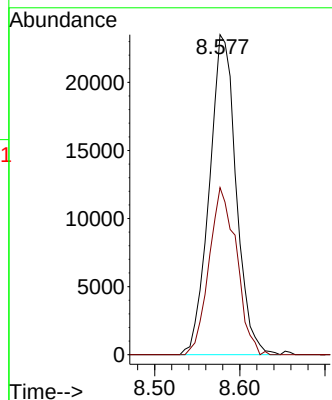
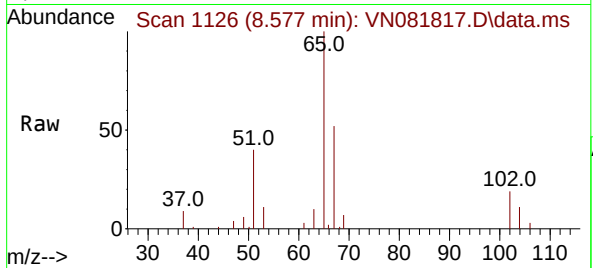
Tgt Ion: 65 Resp: 51429
Ion Ratio Lower Upper
65 100
67 53.2 43.2 64.8

Manual Integrations

APPROVED

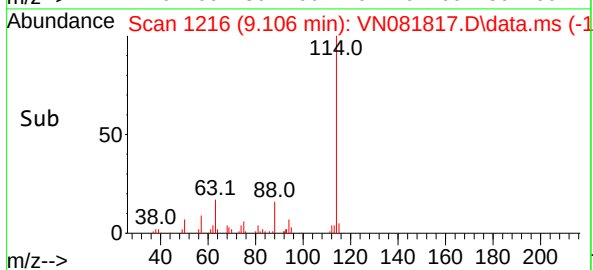
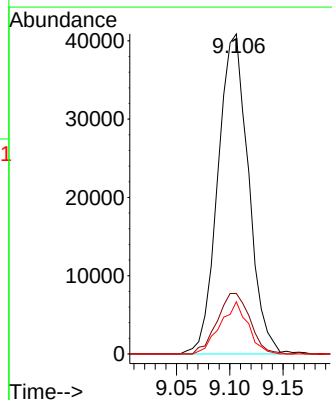
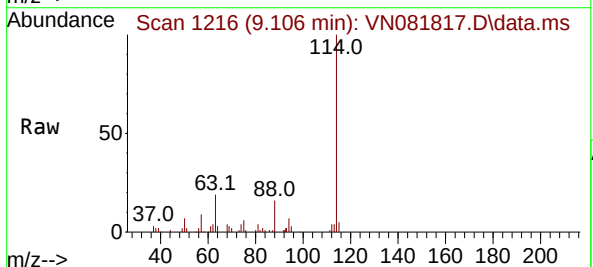
Reviewed By :John Carlone 04/22/2024

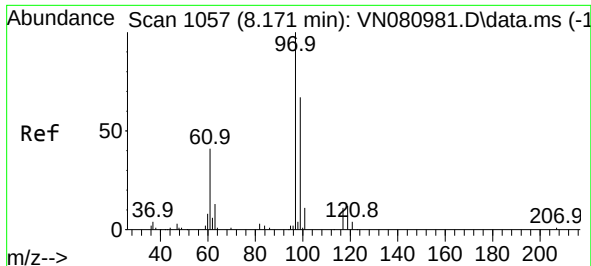
Supervised By :Mahesh Dadoda 04/22/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28

Tgt Ion:114 Resp: 81432
Ion Ratio Lower Upper
114 100
63 20.3 15.9 23.9
88 14.9 12.7 19.1





#32

1,1,1-Trichloroethane

Concen: 3.213 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN081817.D

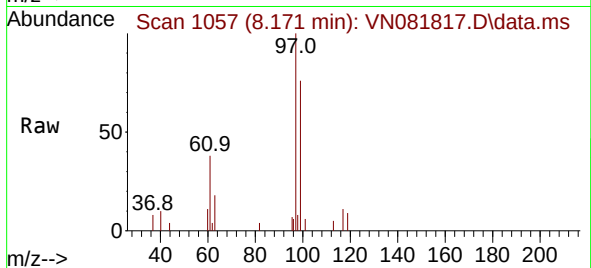
Acq: 19 Apr 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

240418099-02



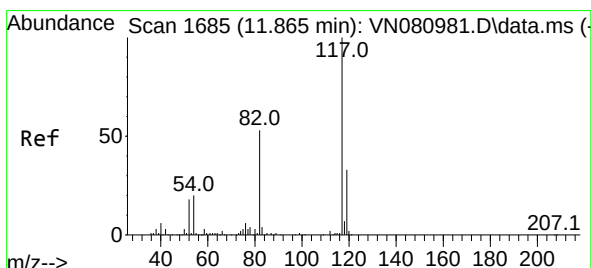
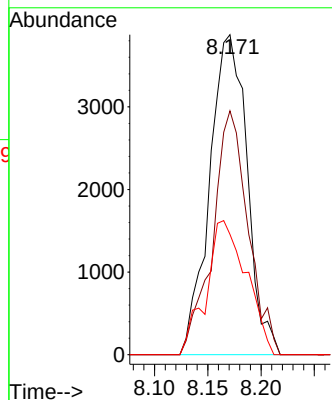
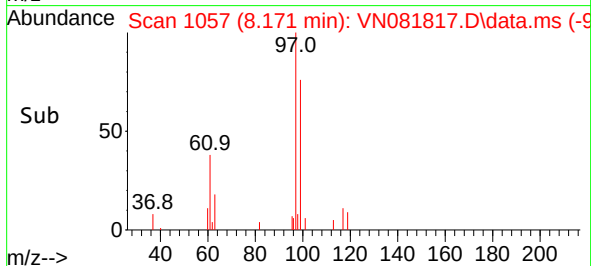
Tgt Ion:	97	Resp:	948
Ion	Ratio	Lower	Upper
97	100		
99	72.1	51.0	76.4
61	38.3	33.8	50.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

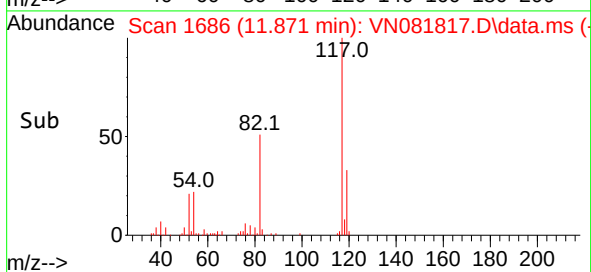
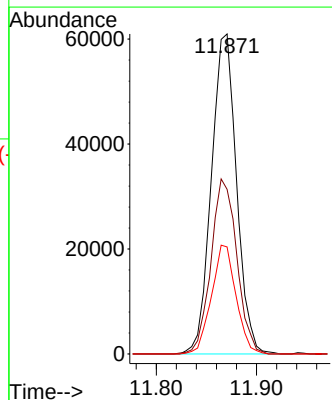
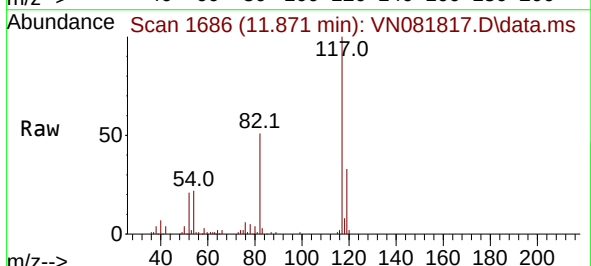
RT: 11.871 min Scan# 1686

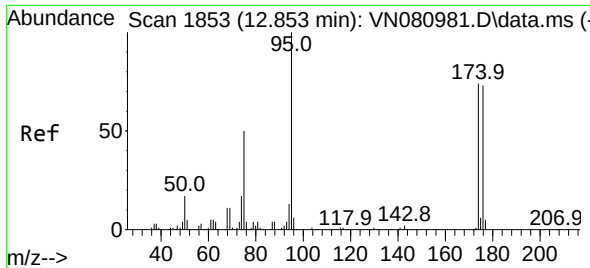
Delta R.T. 0.006 min

Lab File: VN081817.D

Acq: 19 Apr 2024 18:28

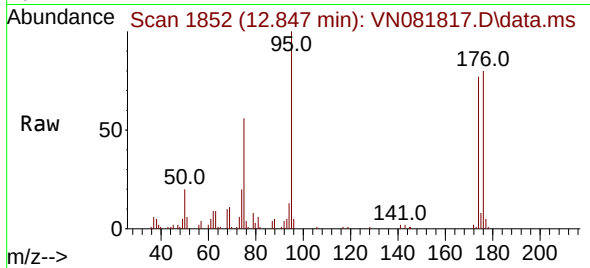
Tgt Ion:	117	Resp:	106351
Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.6	69.8
119	33.2	25.4	38.2





#60
4-Bromofluorobenzene
Concen: 25.311 ug/l
RT: 12.847 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28

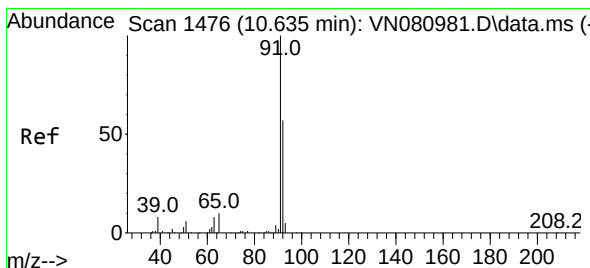
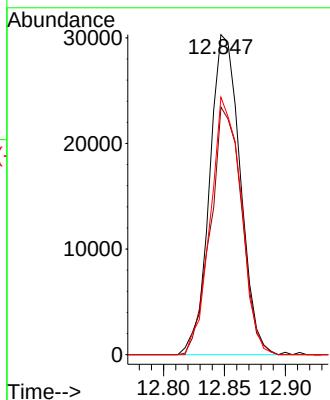
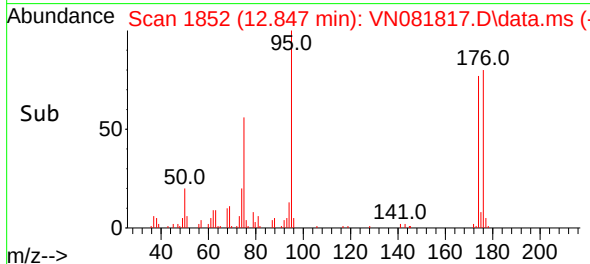
Instrument :
MSVOA_N
ClientSampleId :
240418099-02



Tgt Ion: 95 Resp: 52924
Ion Ratio Lower Upper
95 100
174 78.7 60.5 90.7
176 80.4 57.8 86.6

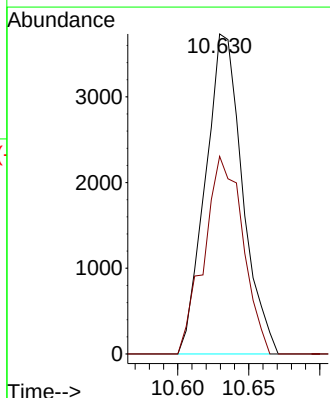
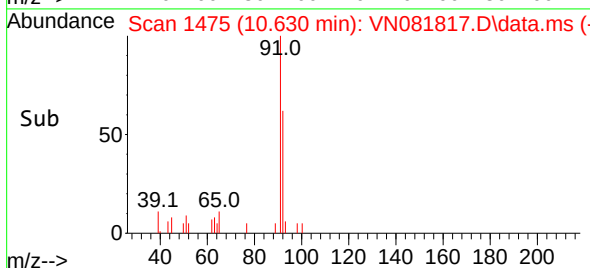
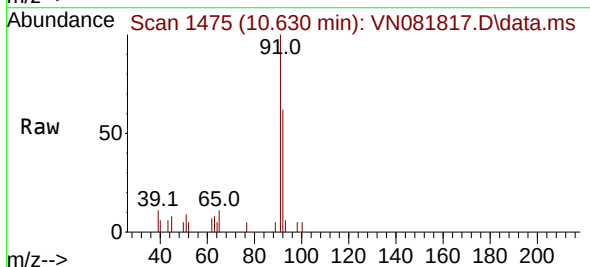
Manual Integrations
APPROVED

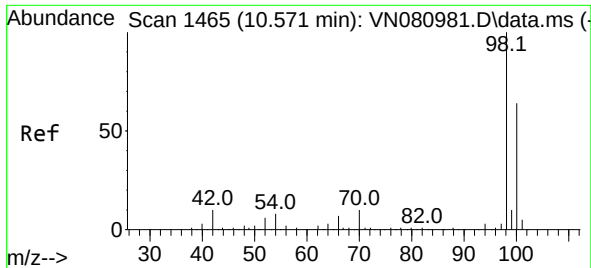
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#62
Toluene
Concen: 0.876 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28

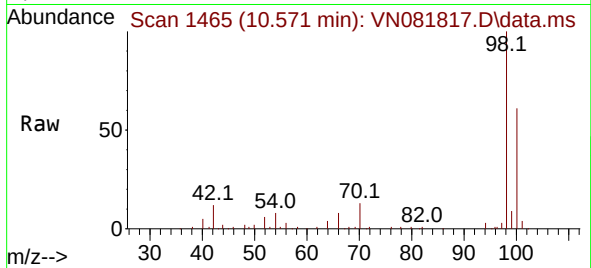
Tgt Ion: 91 Resp: 6777
Ion Ratio Lower Upper
91 100
92 64.5 46.5 69.7





#63
Toluene-d8
Concen: 28.724 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28

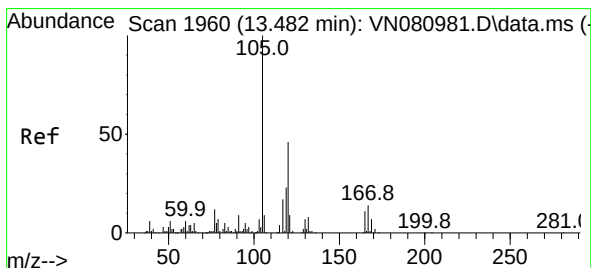
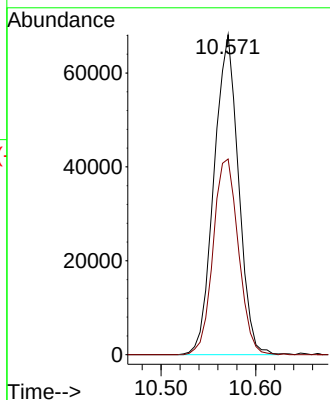
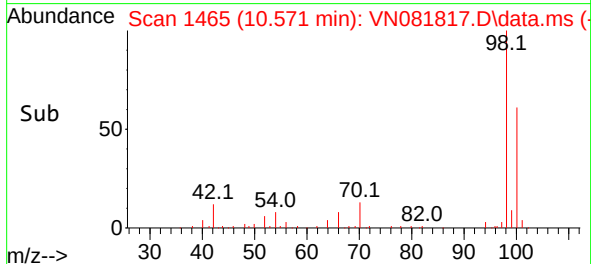
Instrument :
MSVOA_N
ClientSampleId :
240418099-02



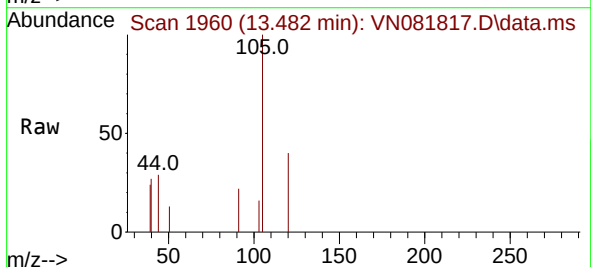
Tgt Ion: 98 Resp: 122538
Ion Ratio Lower Upper
98 100
100 63.1 52.7 79.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#80
1,2,4-Trimethylbenzene
Concen: 0.274 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081817.D
Acq: 19 Apr 2024 18:28



Tgt Ion:105 Resp: 1851
Ion Ratio Lower Upper
105 100
120 32.9 0.0 86.8

