

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081909.D
 Acq On : 29 Apr 2024 13:08
 Operator : JC\MD
 Sample : P2286-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240418096-02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/30/2024
 Supervised By : Mahesh Dadoda 04/30/2024

Quant Time: Apr 30 05:18:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	44832	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	261771	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	217524	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	108862	29.002	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.667%		
60) 4-Bromofluorobenzene	12.853	95	103685	28.642	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.467%		
63) Toluene-d8	10.571	98	316493	30.637	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.133%		
Target Compounds						
					Qvalue	
15) Acetone	4.424	58	42030	119.951	ug/l	84
18) Methylene Chloride	5.295	84	8995m	2.889	ug/l	
21) 1,1-Dichloroethane	6.583	63	11627	2.066	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	5543	1.597	ug/l #	53
25) Chloroform	7.971	83	9010	1.664	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	6430m	1.435	ug/l	
37) Trichloroethene	9.365	130	1357m	0.446	ug/l	
58) 4-Methyl-2-Pentanone	10.447	43	7737	1.832	ug/l #	81
62) Toluene	10.629	91	10555	0.862	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	4491	0.442	ug/l	91
82) p-Isopropyltoluene	13.729	119	12734	1.319	ug/l	88

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

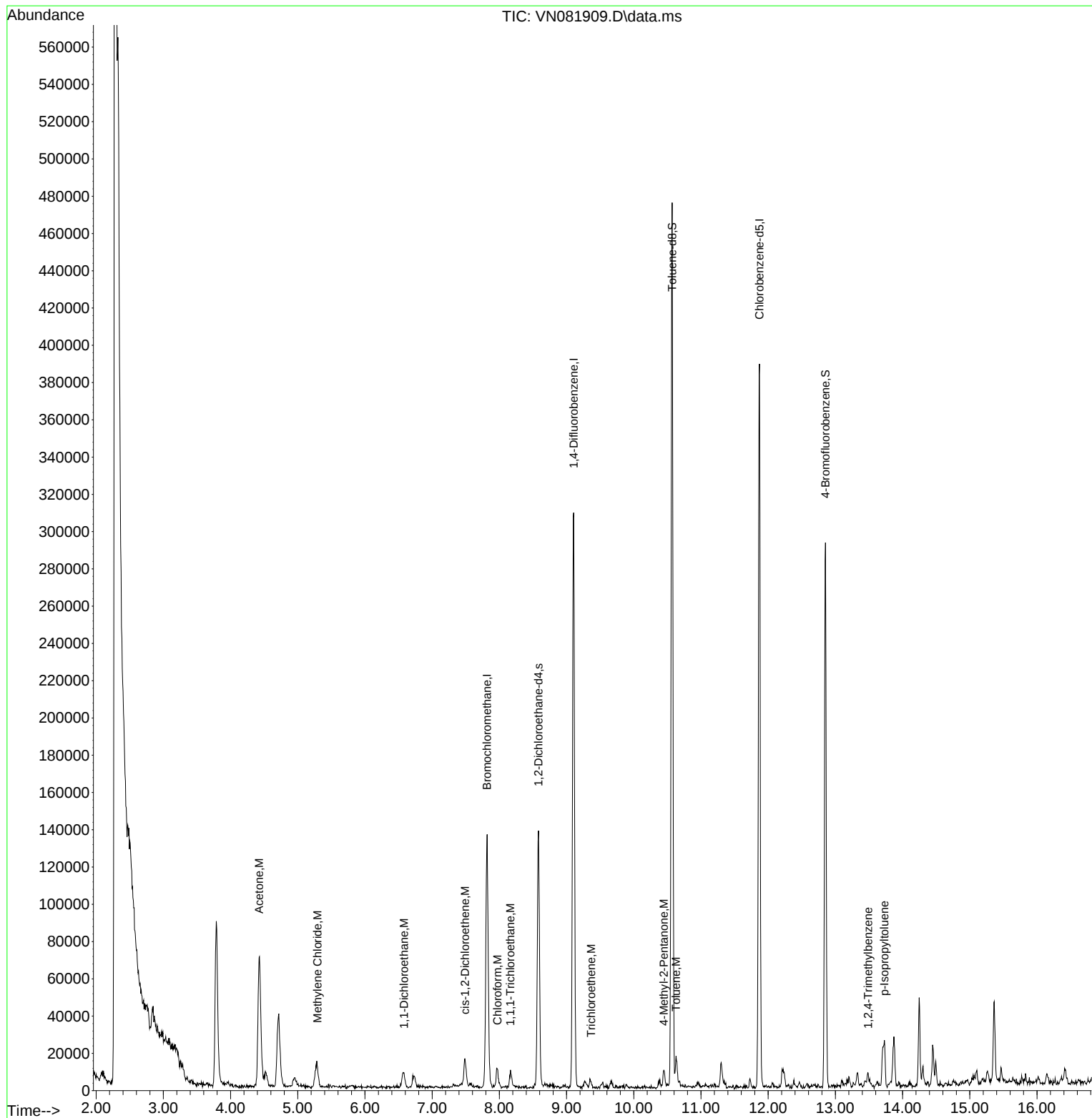
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
Data File : VN081909.D
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Operator : JC\MD
Sample : P2286-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

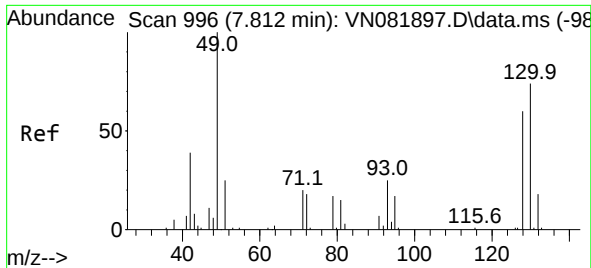
Instrument :
MSVOA_N
ClientSampleId :
240418096-02

Quant Time: Apr 30 05:18:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration

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APPROVED

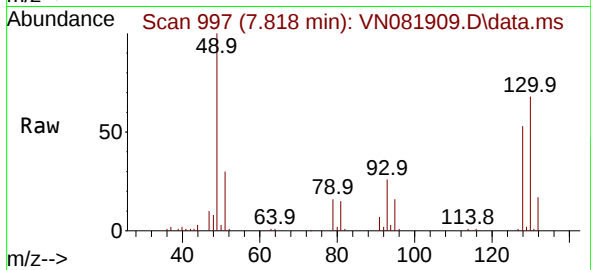
Reviewed By :John Carlone 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08

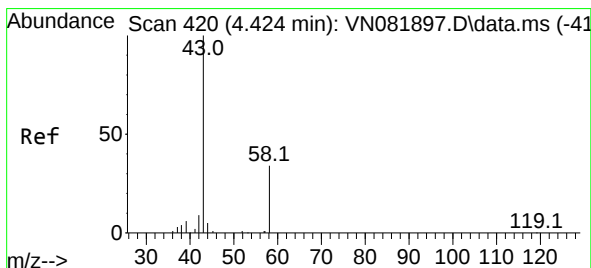
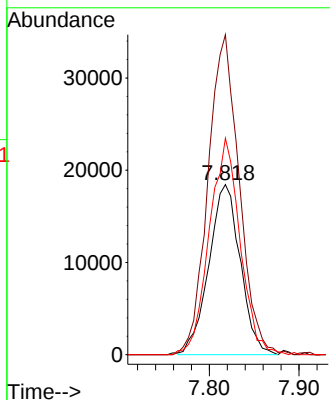
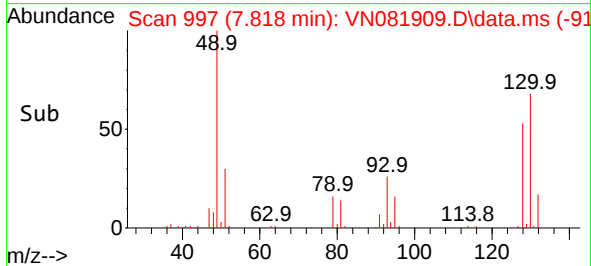
Instrument :
MSVOA_N
ClientSampleId :
240418096-02



Tgt Ion:128 Resp: 44832
Ion Ratio Lower Upper
128 100
49 186.6 0.0 403.7
130 124.6 0.0 323.3

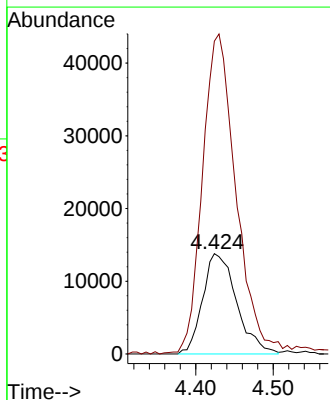
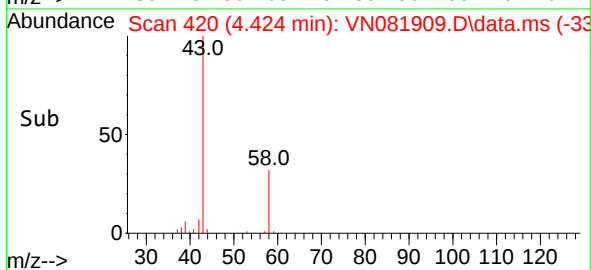
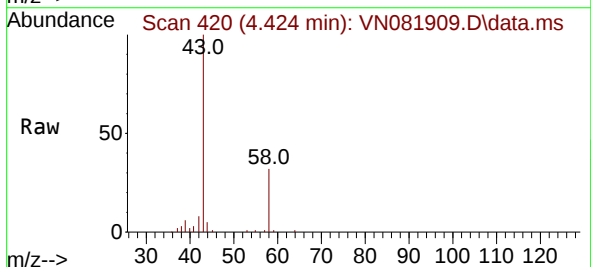
Manual Integrations
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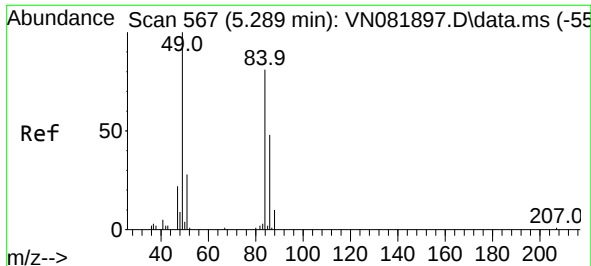
Reviewed By :John Carlone 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#15
Acetone
Concen: 119.951 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08

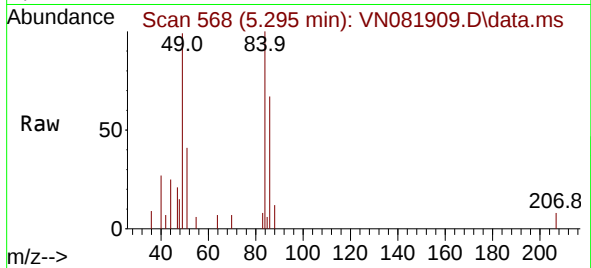
Tgt Ion: 58 Resp: 42030
Ion Ratio Lower Upper
58 100
43 309.7 223.1 334.7





#18
Methylene Chloride
Concen: 2.889 ug/l m
RT: 5.295 min Scan# 509
Delta R.T. 0.006 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08

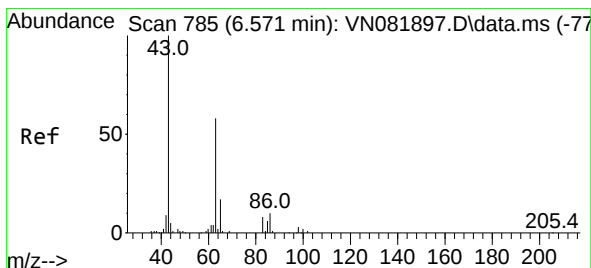
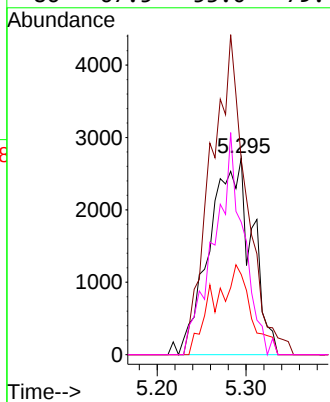
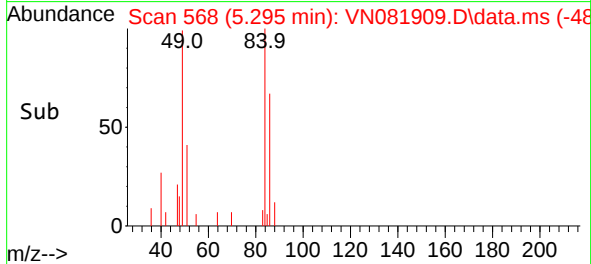
Instrument :
MSVOA_N
ClientSampleId :
240418096-02



Tgt Ion:	84	Resp:	899
Ion	Ratio	Lower	Upper
84	100		
49	99.3	86.0	129.0
51	40.8	30.0	45.0
86	67.5	53.0	79.4

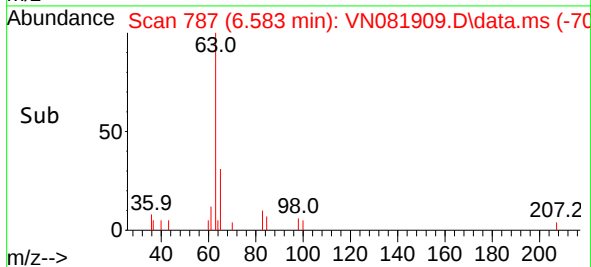
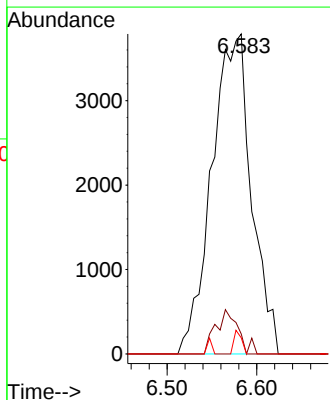
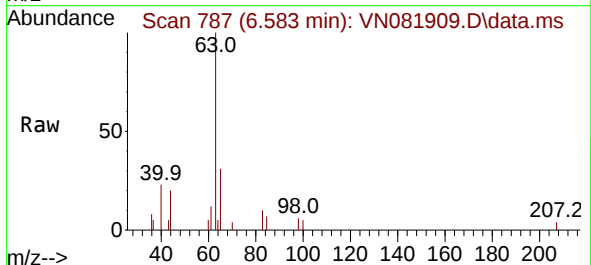
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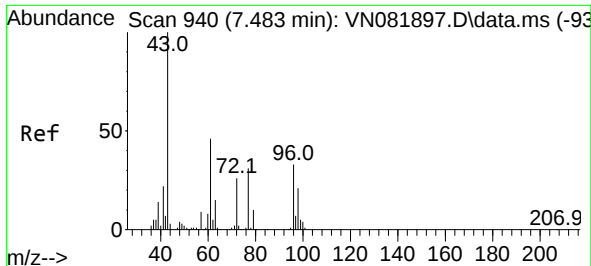
Reviewed By :John Carlone 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#21
1,1-Dichloroethane
Concen: 2.066 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.012 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08

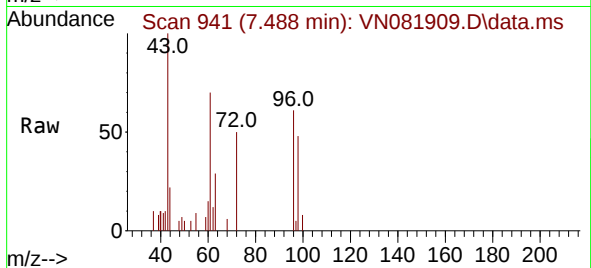
Tgt Ion:	63	Resp:	11627
Ion	Ratio	Lower	Upper
63	100		
98	6.3	4.1	12.3
100	5.0	3.0	9.0





#22
 cis-1,2-Dichloroethene
 Concen: 1.597 ug/l
 RT: 7.488 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN081909.D
 Acq: 29 Apr 2024 13:08

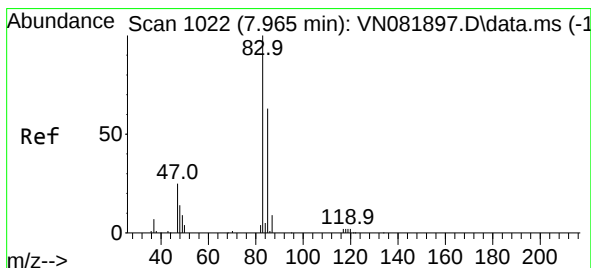
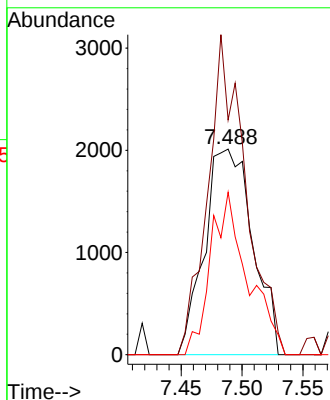
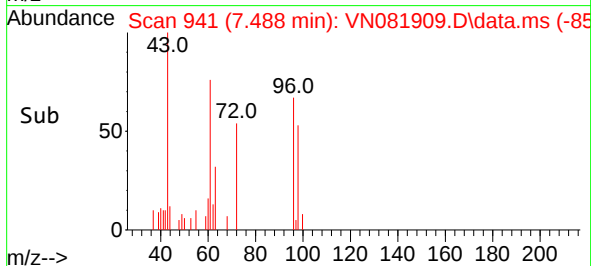
Instrument :
 MSVOA_N
 ClientSampleId :
 240418096-02



Tgt Ion: 96 Resp: 554
 Ion Ratio Lower Upper
 96 100
 61 68.8 113.5 170.3
 98 49.4 52.0 78.0

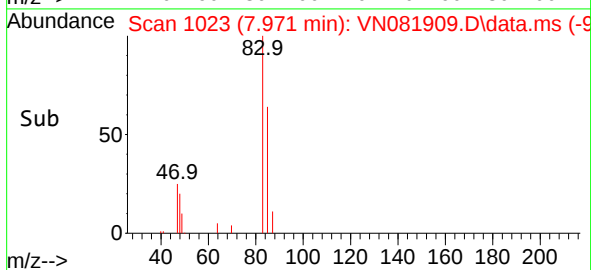
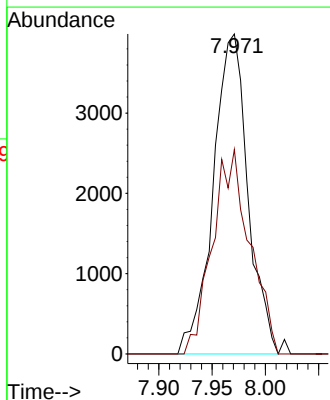
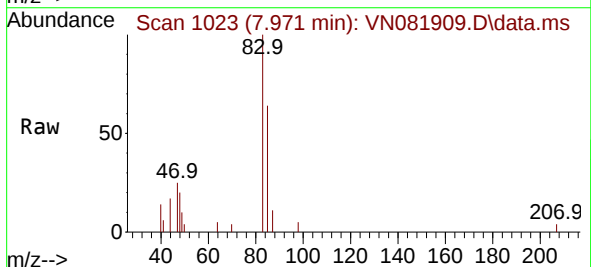
Manual Integrations
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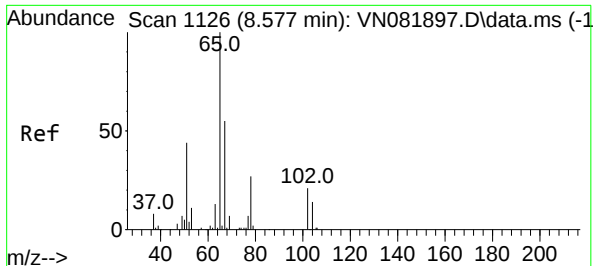
Reviewed By :John Carlone 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024



#25
 Chloroform
 Concen: 1.664 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. 0.006 min
 Lab File: VN081909.D
 Acq: 29 Apr 2024 13:08

Tgt Ion: 83 Resp: 9010
 Ion Ratio Lower Upper
 83 100
 85 63.9 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 29.002 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081909.D

Acq: 29 Apr 2024 13:08

Instrument :

MSVOA_N

ClientSampleId :

240418096-02

Tgt Ion: 65 Resp: 108862

Ion Ratio Lower Upper

65 100

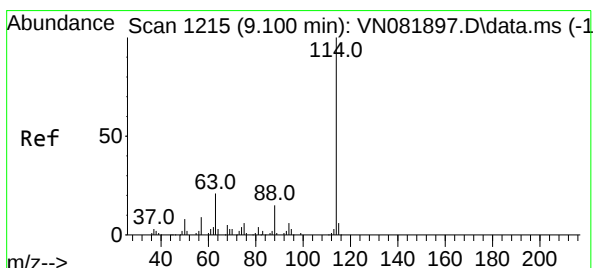
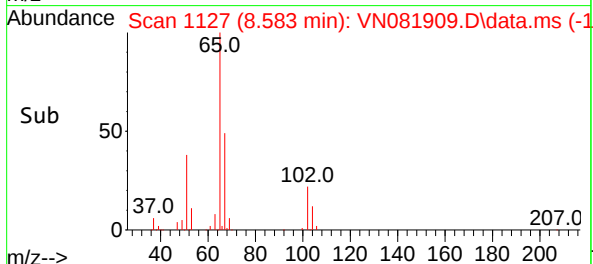
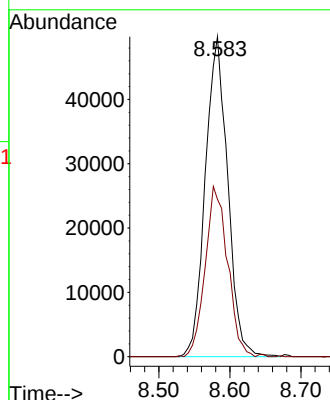
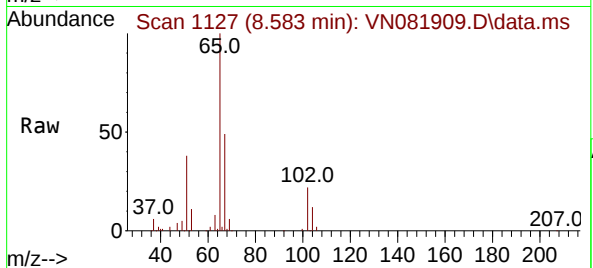
67 53.2 43.2 64.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/30/2024

Supervised By :Mahesh Dadoda 04/30/2024



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081909.D

Acq: 29 Apr 2024 13:08

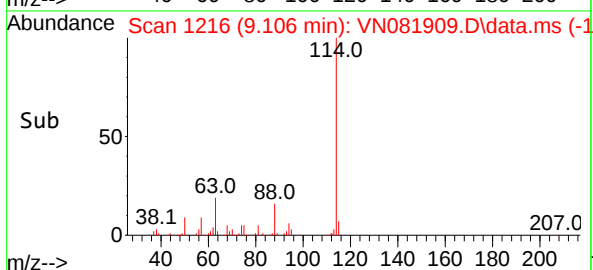
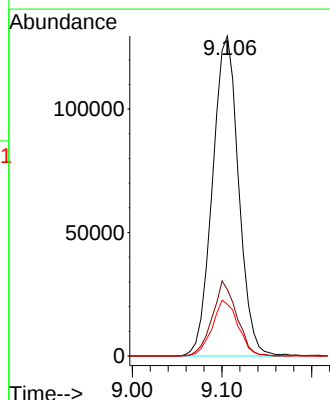
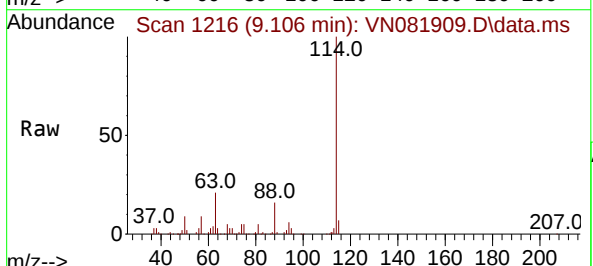
Tgt Ion:114 Resp: 261771

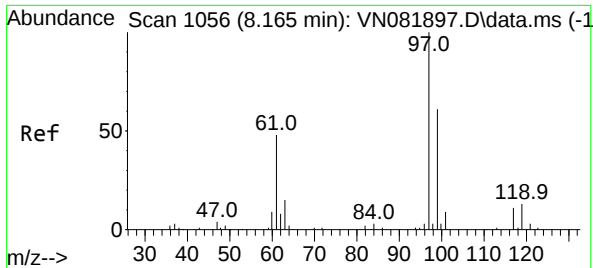
Ion Ratio Lower Upper

114 100

63 21.9 15.9 23.9

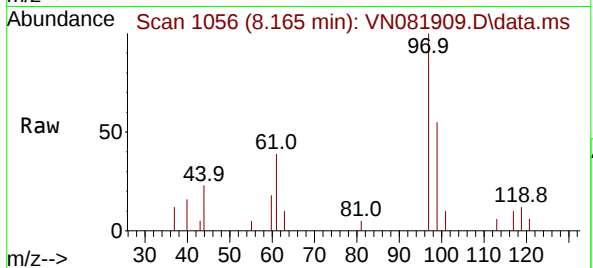
88 17.2 12.7 19.1





#32
1,1,1-Trichloroethane
Concen: 1.435 ug/l m
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08

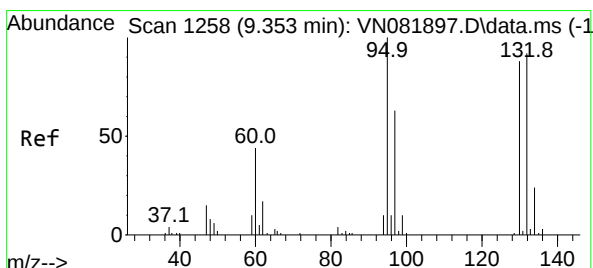
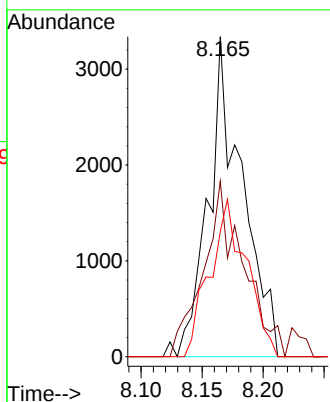
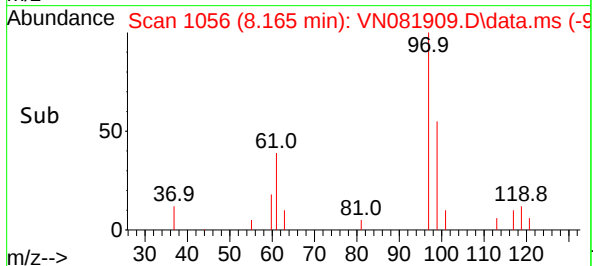
Instrument :
MSVOA_N
ClientSampleId :
240418096-02



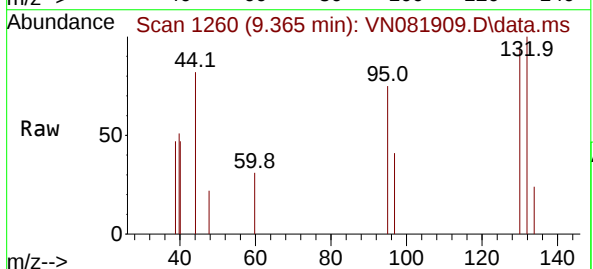
Tgt Ion: 97 Resp: 6430
Ion Ratio Lower Upper
97 100
99 38.3 51.0 76.4
61 13.1 33.8 50.8

Manual Integrations
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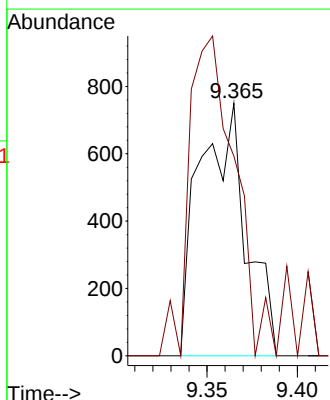
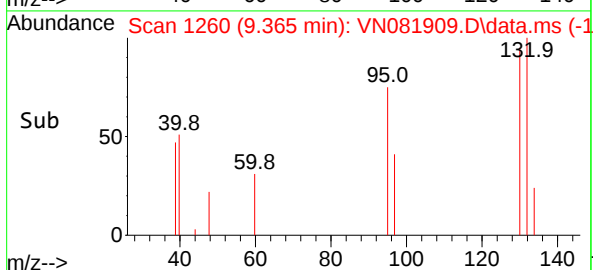
Reviewed By :John Carlone 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024

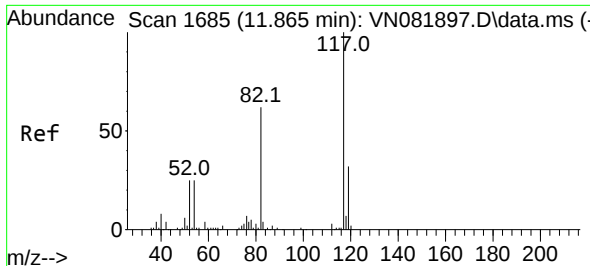


#37
Trichloroethene
Concen: 0.446 ug/l m
RT: 9.365 min Scan# 1260
Delta R.T. 0.012 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08



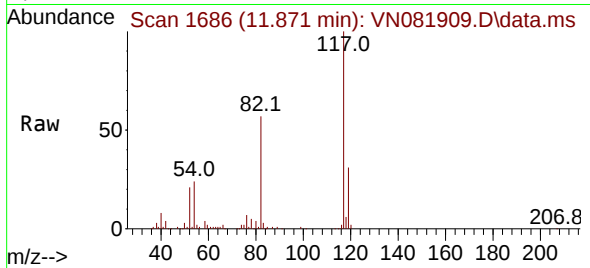
Tgt Ion:130 Resp: 1357
Ion Ratio Lower Upper
130 100
95 79.1 80.2 120.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08

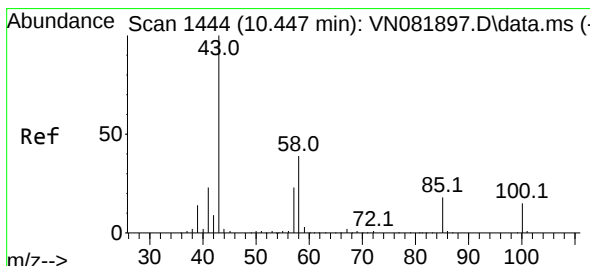
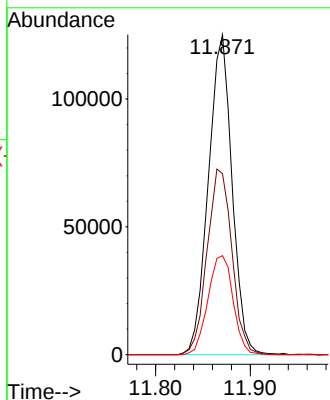
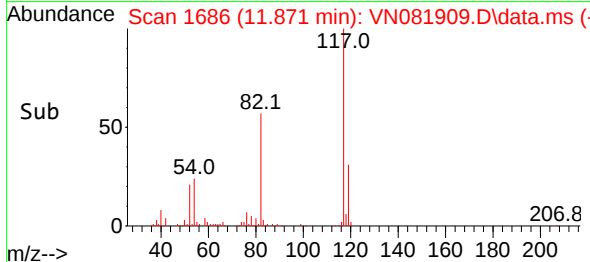
Instrument :
MSVOA_N
ClientSampleId :
240418096-02



Tgt Ion: 117 Resp: 217524
Ion Ratio Lower Upper
117 100
82 60.8 46.6 69.8
119 32.8 25.4 38.2

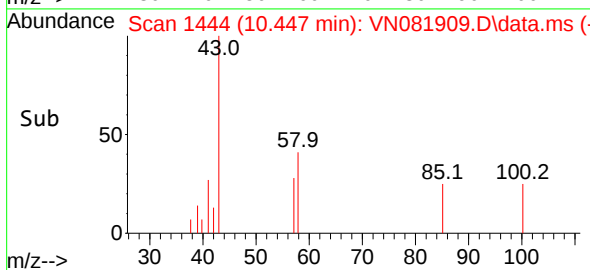
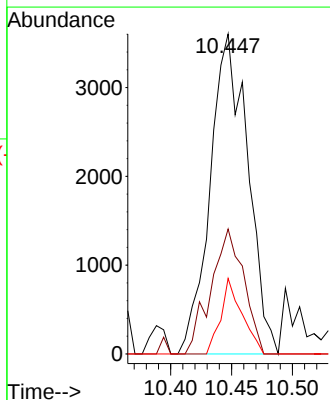
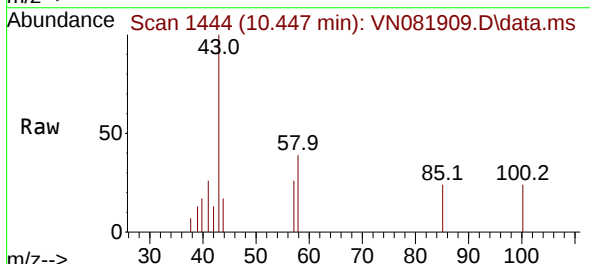
Manual Integrations
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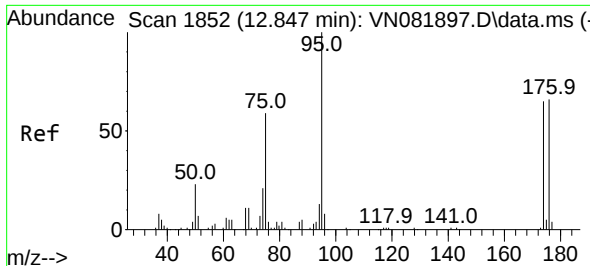
Reviewed By :John Carlone 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#58
4-Methyl-2-Pentanone
Concen: 1.832 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08

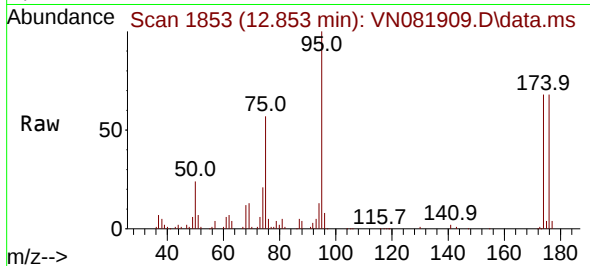
Tgt Ion: 43 Resp: 7737
Ion Ratio Lower Upper
43 100
58 34.2 36.5 54.7#
85 13.4 19.5 29.3#





#60
4-Bromofluorobenzene
Concen: 28.642 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08

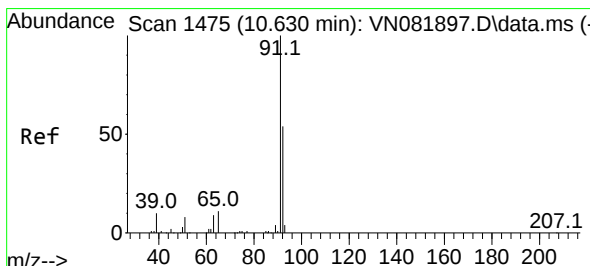
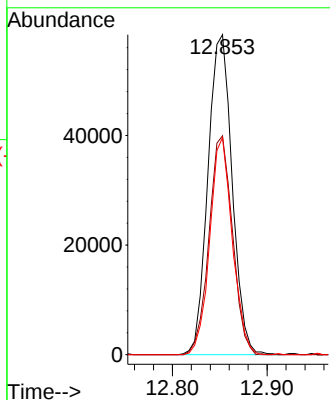
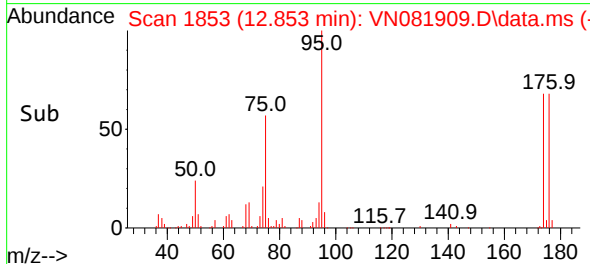
Instrument :
MSVOA_N
ClientSampleId :
240418096-02



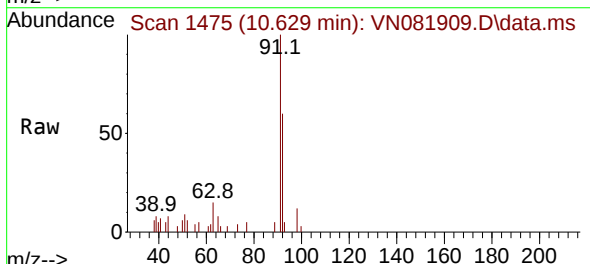
Tgt Ion: 95 Resp: 10368
Ion Ratio Lower Upper
95 100
174 66.3 60.5 90.7
176 63.1 57.8 86.6

Manual Integrations
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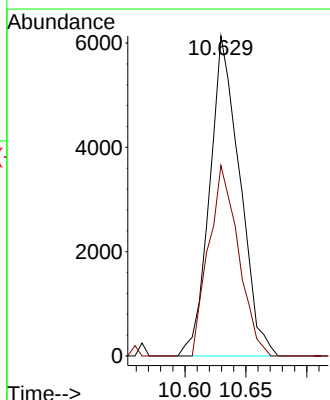
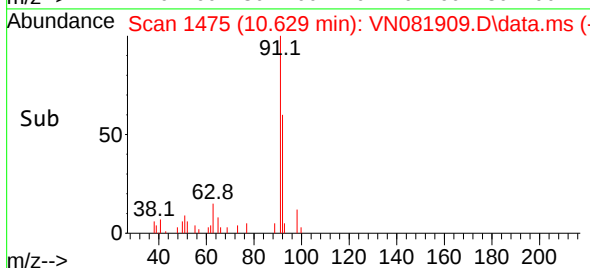
Reviewed By :John Carlone 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024

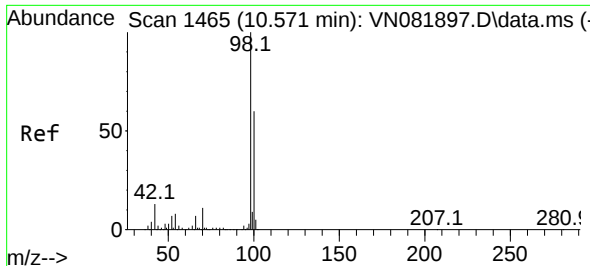


#62
Toluene
Concen: 0.862 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08



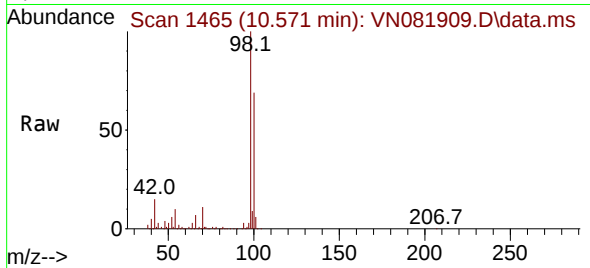
Tgt Ion: 91 Resp: 10555
Ion Ratio Lower Upper
91 100
92 58.9 46.5 69.7





#63
Toluene-d8
Concen: 30.637 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08

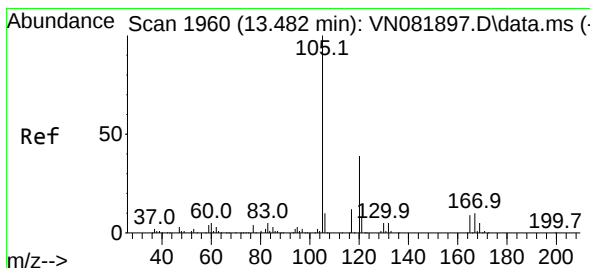
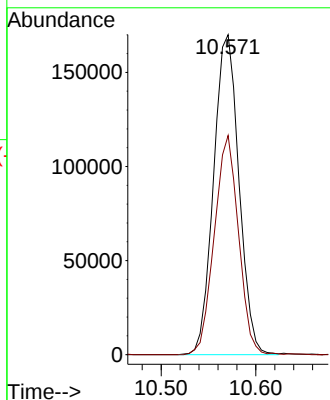
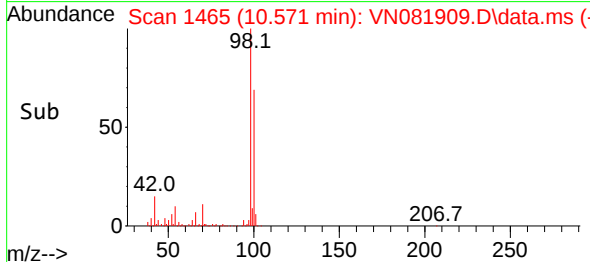
Instrument :
MSVOA_N
ClientSampleId :
240418096-02



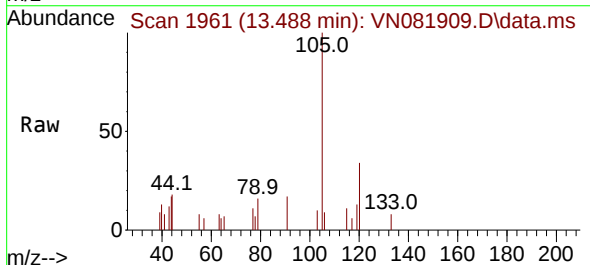
Tgt Ion: 98 Resp: 31649
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1

Manual Integrations
APPROVED

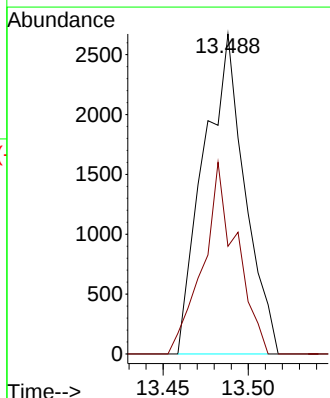
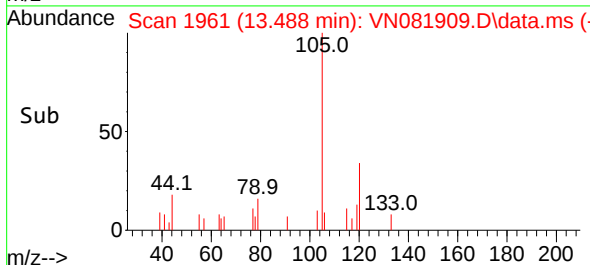
Reviewed By :John Carlone 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024

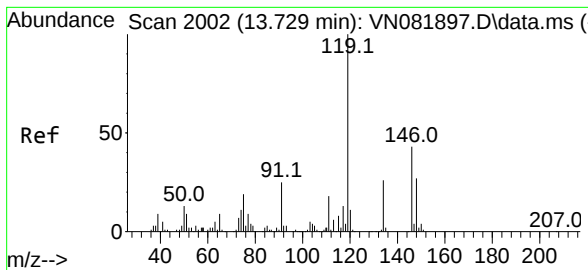


#80
1,2,4-Trimethylbenzene
Concen: 0.442 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN081909.D
Acq: 29 Apr 2024 13:08



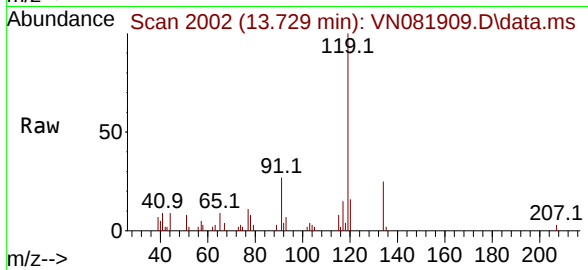
Tgt Ion:105 Resp: 4491
Ion Ratio Lower Upper
105 100
120 48.9 0.0 86.8





#82
 p-Isopropyltoluene
 Concen: 1.319 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN081909.D
 Acq: 29 Apr 2024 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 240418096-02



Tgt Ion:	119	Resp:	12734
Ion	Ratio	Lower	Upper
119	100		
134	24.1	0.0	49.2
91	35.9	0.0	48.8

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024

