

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
 Data File : VN077019.D
 Acq On : 16 Mar 2023 14:07
 Operator : JC\MD
 Sample : 01945-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230315024-01-TRIP-BLANK

Quant Time: Mar 17 03:23:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

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

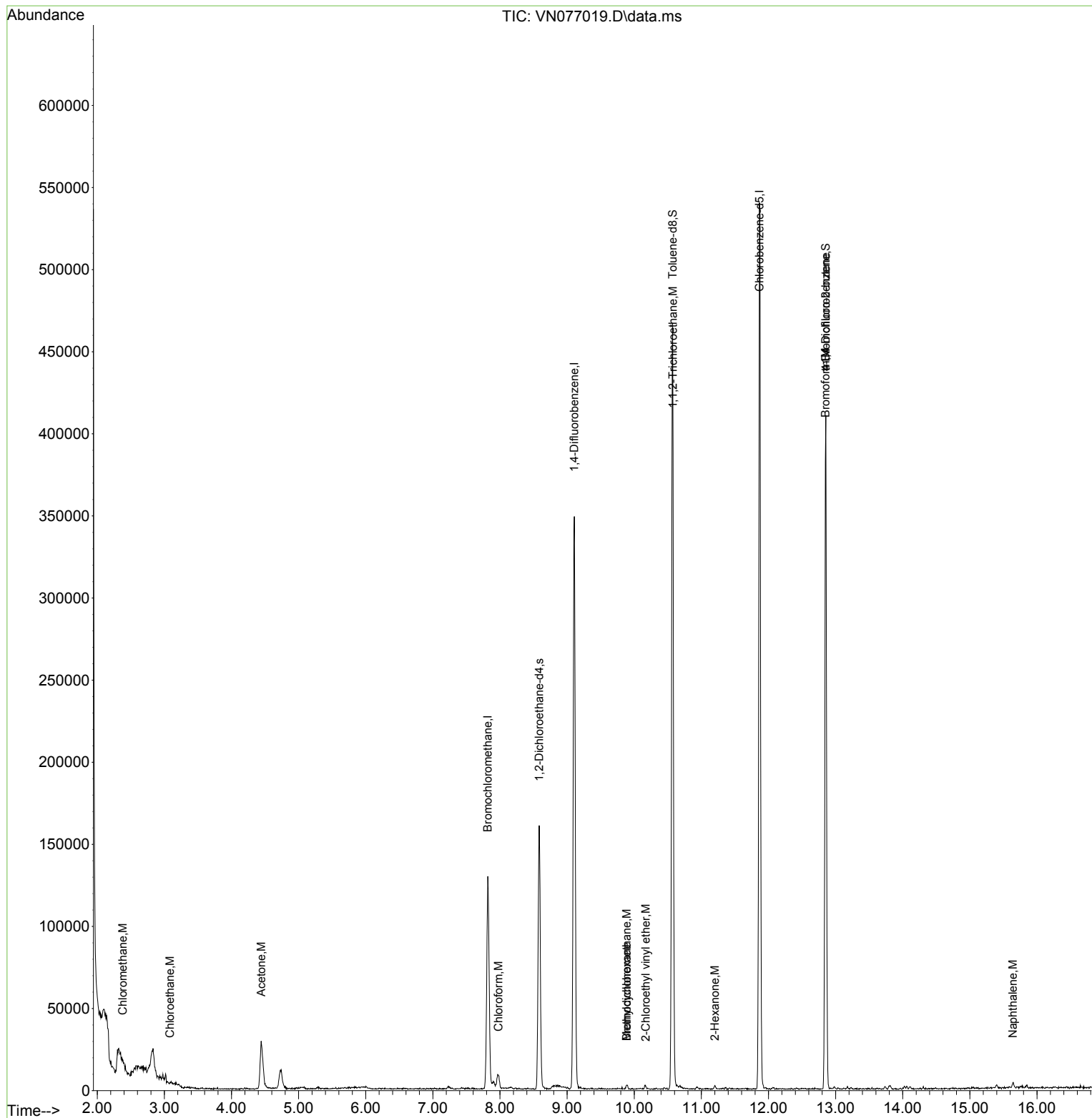
Internal Standards						
1) Bromochloromethane	7.819	128	42990	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	294482	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	305410	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	131226	33.210	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.700%#
60) 4-Bromofluorobenzene	12.854	95	147393	25.499	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.000%
63) Toluene-d8	10.572	98	323232	30.090	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.378	50	1057	0.210	ug/l #	43
6) Chloroethane	3.084	64	703	0.261	ug/l	91
15) Acetone	4.443	58	17101	24.623	ug/l	81
25) Chloroform	7.978	83	8780	0.901	ug/l	92
38) Methylcyclohexane	9.889	83	2284	0.265	ug/l #	18
41) Bromodichloromethane	9.889	83	2284	0.320	ug/l #	91
50) 1,1,2-Trichloroethane	10.578	97	11353	2.226	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.172	63	1008	0.382	ug/l #	85
56) Bromoform	12.848	173	1176	0.338	ug/l #	1
59) 2-Hexanone	11.201	43	1245	0.284	ug/l #	79
77) t-1,4-Dichloro-2-butene	12.854	75	78252	42.156	ug/l #	9
91) Naphthalene	15.642	128	3556	0.230	ug/l #	83

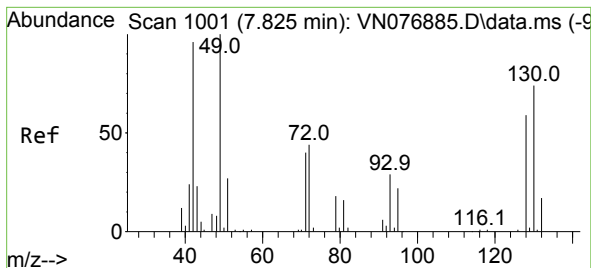
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
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230315024-01-TRIP-BLANK

Quant Time: Mar 17 03:23:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 09 04:16:54 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.819 min Scan# 10

Delta R.T. -0.006 min

Lab File: VN077019.D

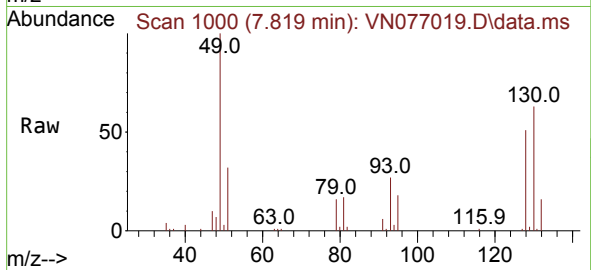
Acq: 16 Mar 2023 14:07

Instrument :

MSVOA_N

ClientSampleId :

230315024-01-TRIP-BLANK



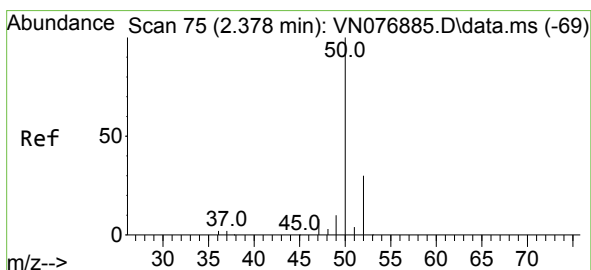
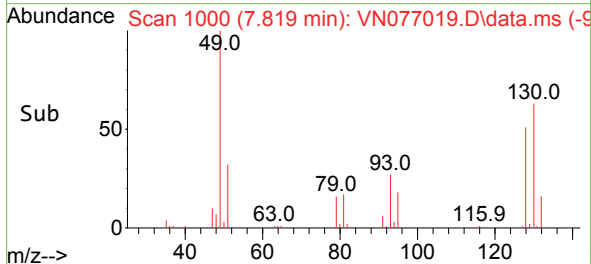
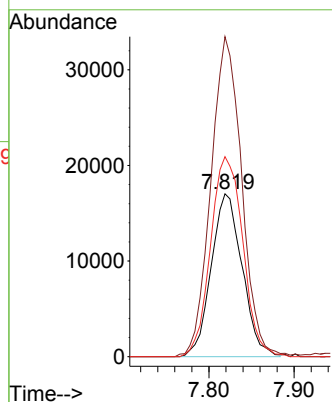
Tgt Ion:128 Resp: 42990

Ion Ratio Lower Upper

128 100

49 195.6 0.0 461.8

130 128.3 0.0 295.3



#3

Chloromethane

Concen: 0.210 ug/l

RT: 2.378 min Scan# 75

Delta R.T. 0.000 min

Lab File: VN077019.D

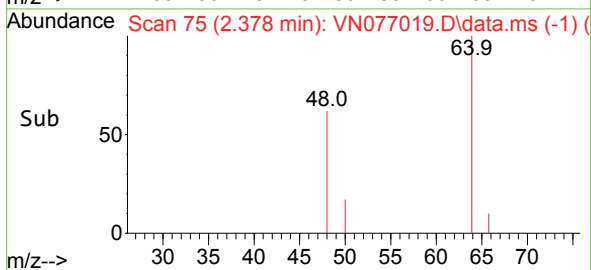
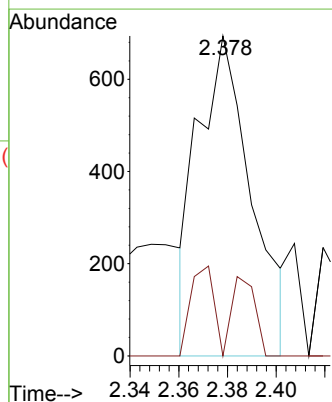
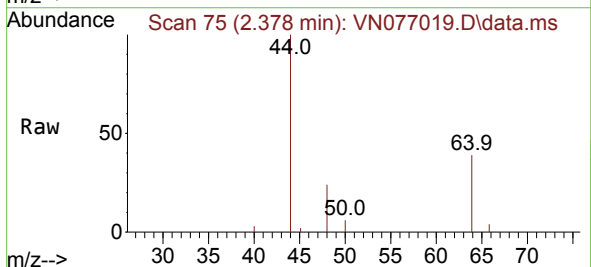
Acq: 16 Mar 2023 14:07

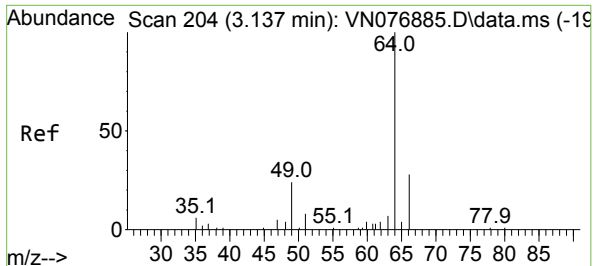
Tgt Ion: 50 Resp: 1057

Ion Ratio Lower Upper

50 100

52 0.0 25.3 37.9#

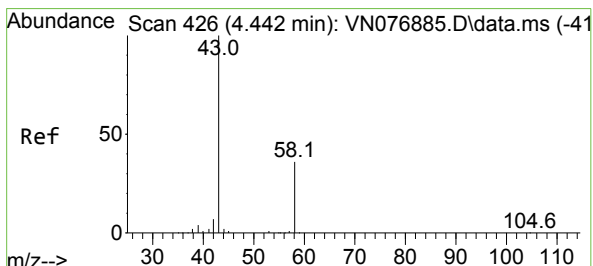
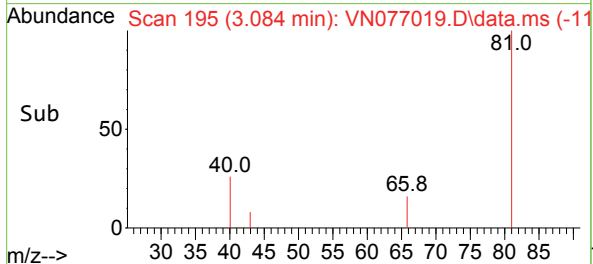
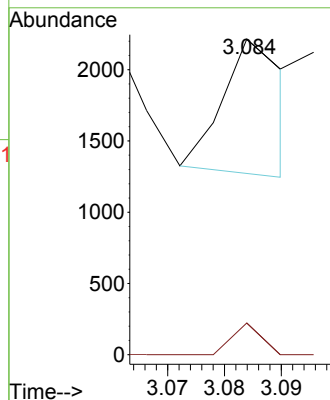
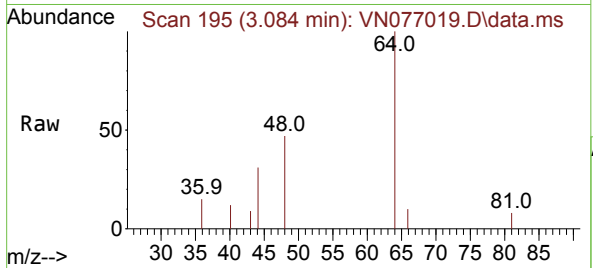




#6
Chloroethane
Concen: 0.261 ug/l
RT: 3.084 min Scan# 19
Delta R.T. -0.053 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

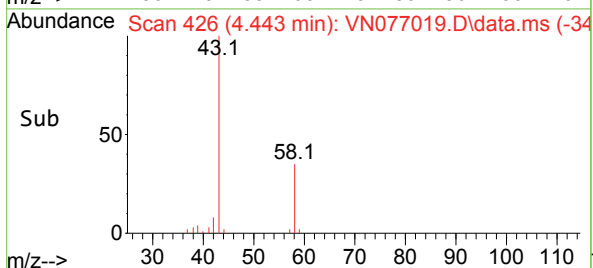
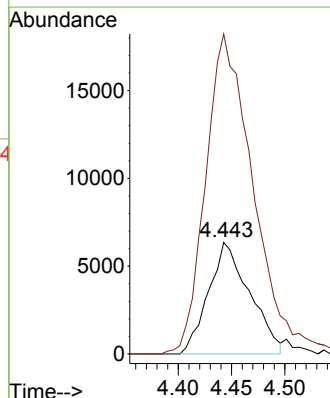
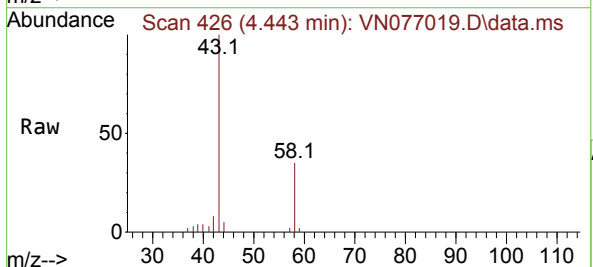
Instrument :
MSVOA_N
ClientSampleId :
230315024-01-TRIP-BLANK

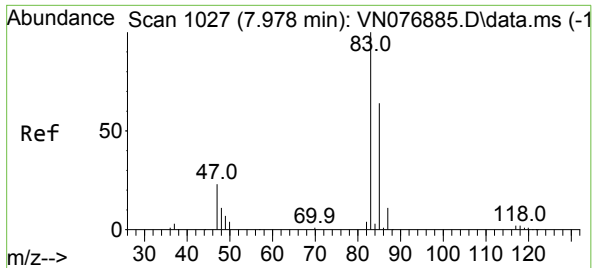
Tgt Ion: 64 Resp: 703
Ion Ratio Lower Upper
64 100
66 25.1 23.8 35.6



#15
Acetone
Concen: 24.623 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

Tgt Ion: 58 Resp: 17101
Ion Ratio Lower Upper
58 100
43 279.4 255.4 383.0

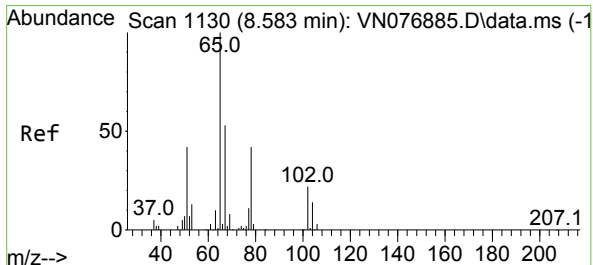
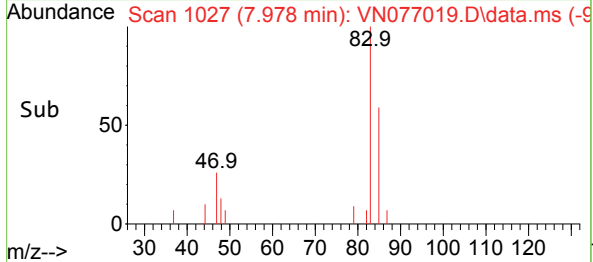
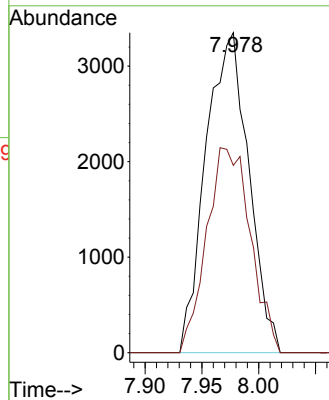
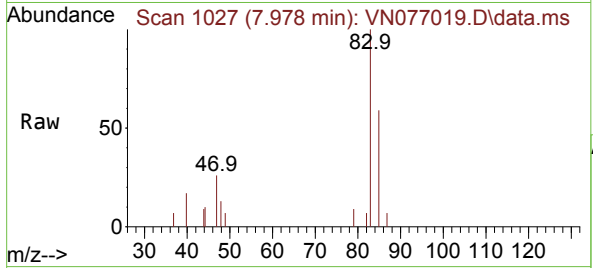




#25
Chloroform
Concen: 0.901 ug/l
RT: 7.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

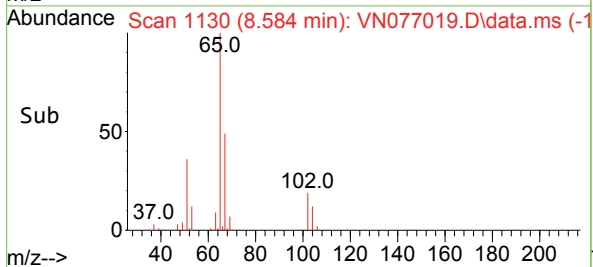
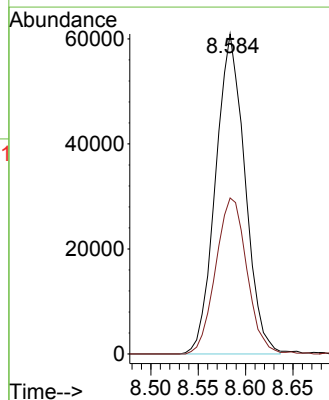
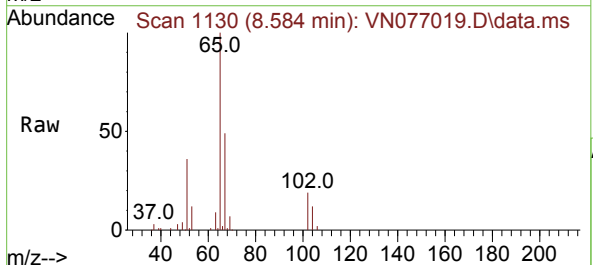
Instrument :
MSVOA_N
ClientSampleId :
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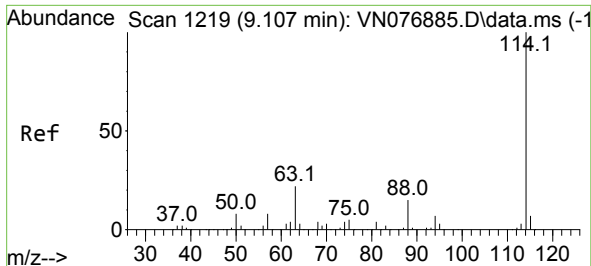
Tgt Ion: 83 Resp: 8780
Ion Ratio Lower Upper
83 100
85 58.5 51.8 77.6



#27
1,2-Dichloroethane-d4
Concen: 33.210 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

Tgt Ion: 65 Resp: 131226
Ion Ratio Lower Upper
65 100
67 51.8 40.9 61.3

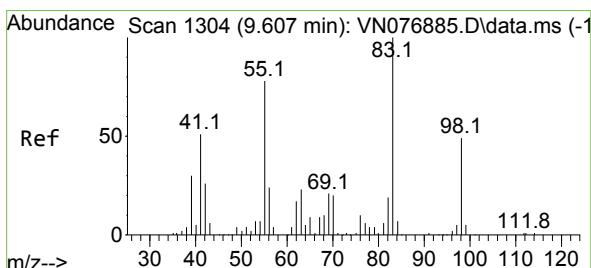
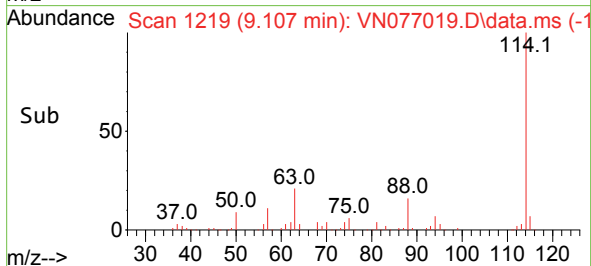
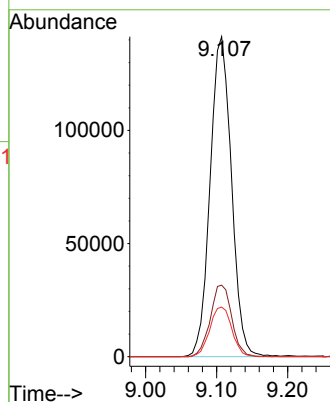
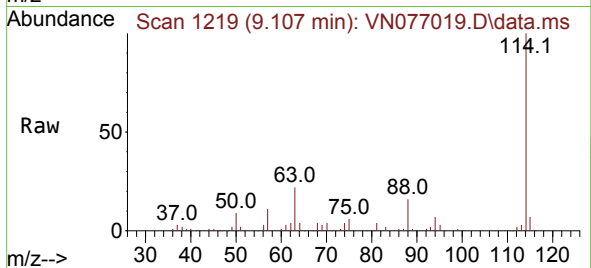




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

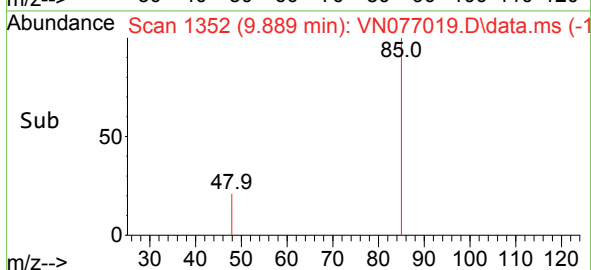
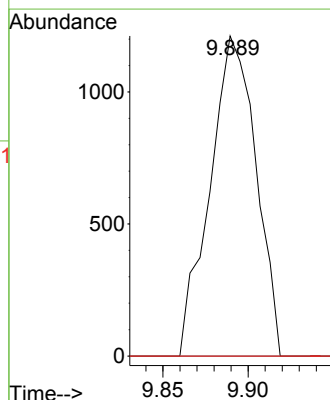
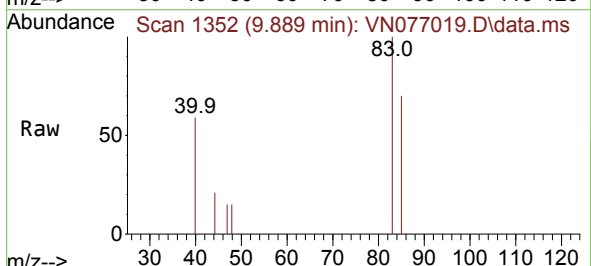
Instrument :
MSVOA_N
ClientSampleId :
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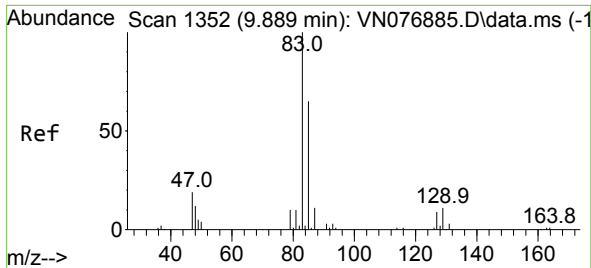
Tgt Ion:114 Resp: 294482
Ion Ratio Lower Upper
114 100
63 22.5 17.0 25.4
88 16.1 11.6 17.4



#38
Methylcyclohexane
Concen: 0.265 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. 0.282 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

Tgt Ion: 83 Resp: 2284
Ion Ratio Lower Upper
83 100
55 0.0 37.6 112.9#
98 0.0 24.1 72.4#

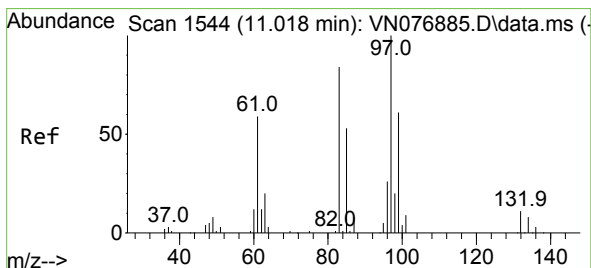
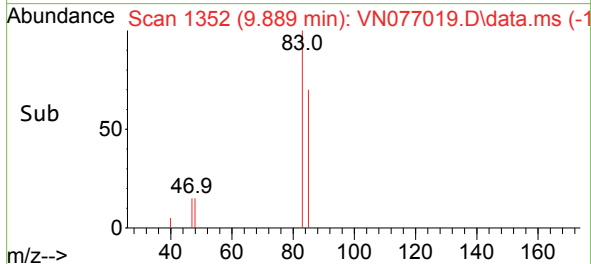
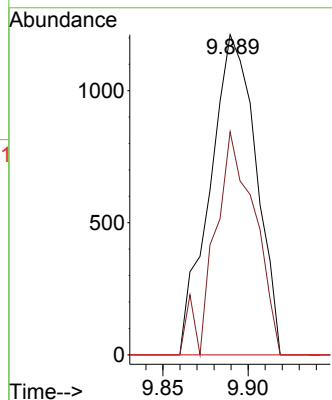
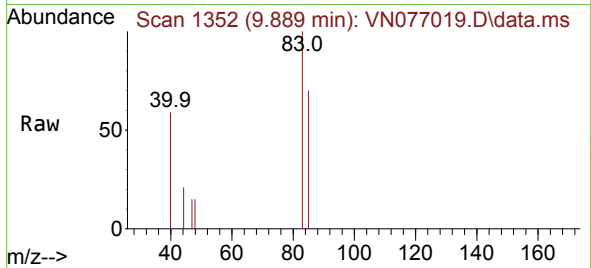




#41
Bromodichloromethane
Concen: 0.320 ug/l
RT: 9.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

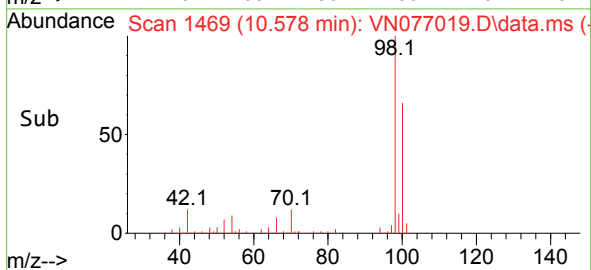
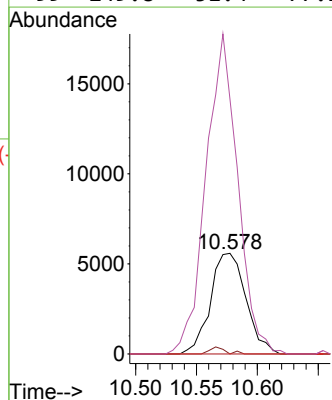
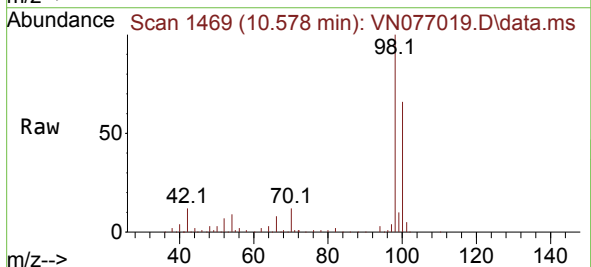
Instrument :
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ClientSampleId :
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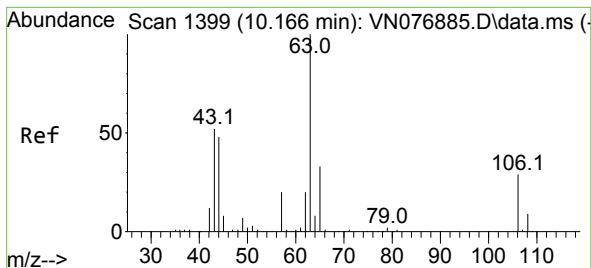
Tgt Ion: 83	Resp:	2284	
Ion Ratio	Lower	Upper	
83	100		
85	69.6	51.0	76.4
127	0.0	6.2	9.2#



#50
1,1,2-Trichloroethane
Concen: 2.226 ug/l
RT: 10.578 min Scan# 1469
Delta R.T. -0.441 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

Tgt Ion: 97	Resp:	11353	
Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.0	106.4#
85	0.0	45.5	68.3#
99	249.8	51.4	77.2#

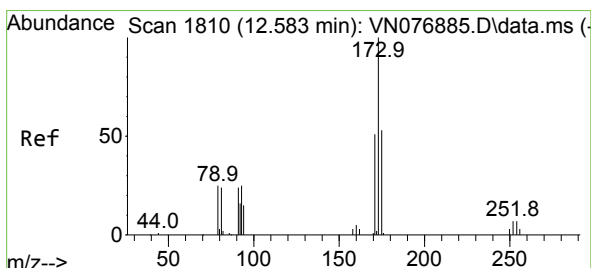
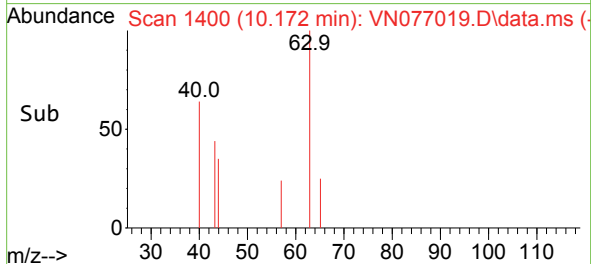
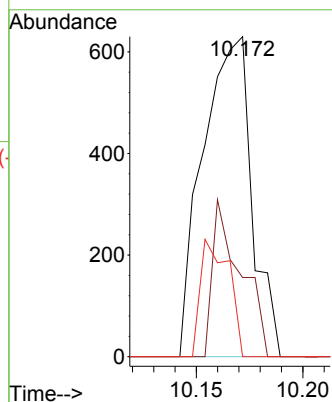
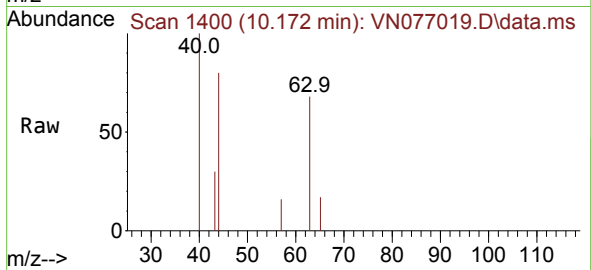




#55
2-Chloroethyl vinyl ether
Concen: 0.382 ug/l
RT: 10.172 min Scan# 14
Delta R.T. 0.012 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

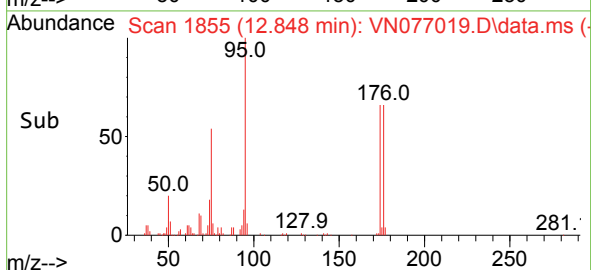
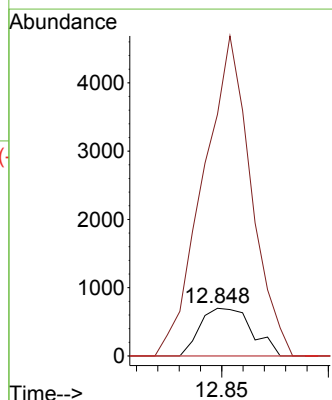
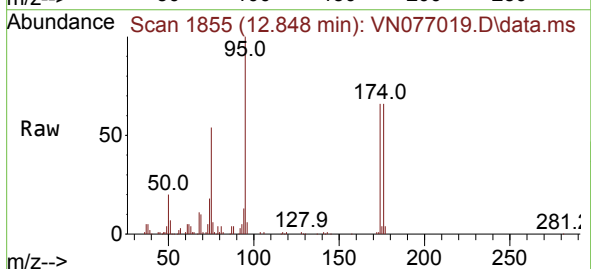
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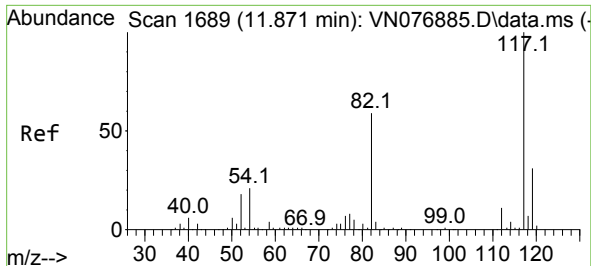
Tgt Ion: 63 Resp: 1008
Ion Ratio Lower Upper
63 100
65 23.0 26.3 39.5#
106 21.2 21.6 32.4#



#56
Bromoform
Concen: 0.338 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

Tgt Ion: 173 Resp: 1176
Ion Ratio Lower Upper
173 100
175 623.0 37.8 56.6#
254 0.0 7.3 10.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077019.D

Acq: 16 Mar 2023 14:07

Instrument :

MSVOA_N

ClientSampleId :

230315024-01-TRIP-BLANK

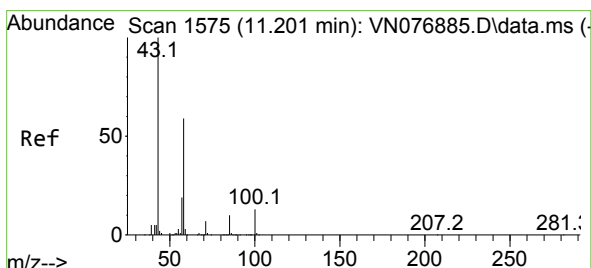
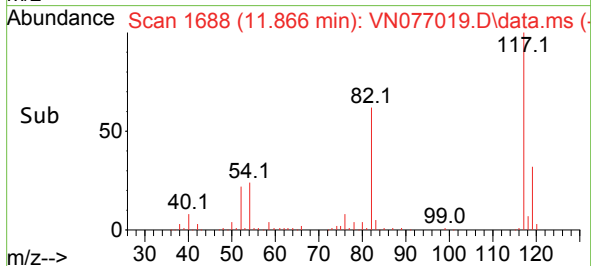
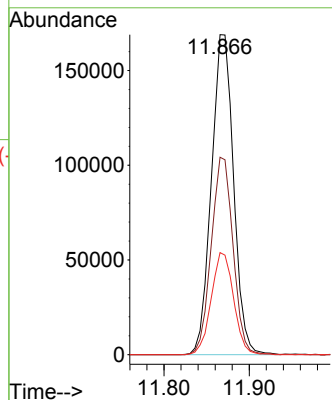
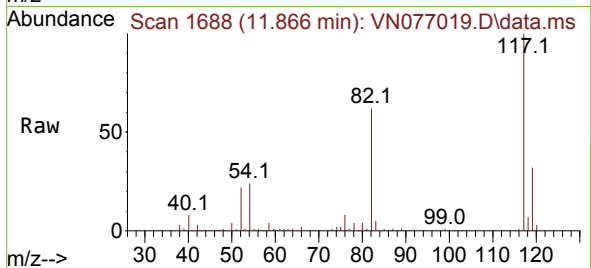
Tgt Ion:117 Resp: 305410

Ion Ratio Lower Upper

117 100

82 60.8 45.4 68.0

119 32.2 26.8 40.2



#59

2-Hexanone

Concen: 0.284 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.006 min

Lab File: VN077019.D

Acq: 16 Mar 2023 14:07

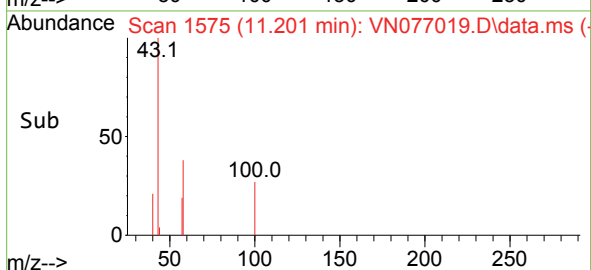
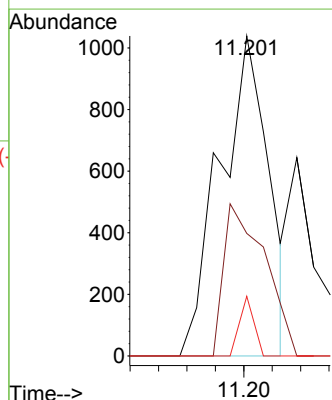
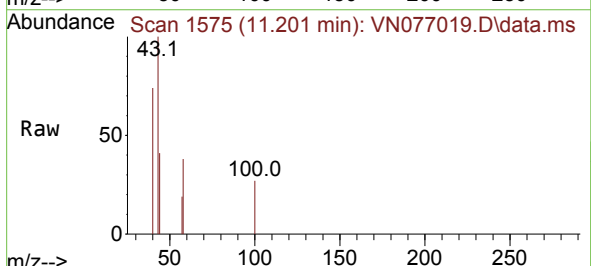
Tgt Ion: 43 Resp: 1245

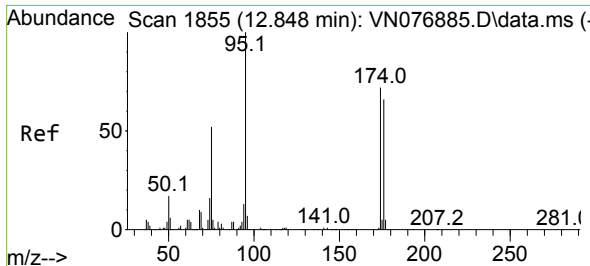
Ion Ratio Lower Upper

43 100

58 40.2 40.6 60.8#

57 0.0 13.1 19.7#

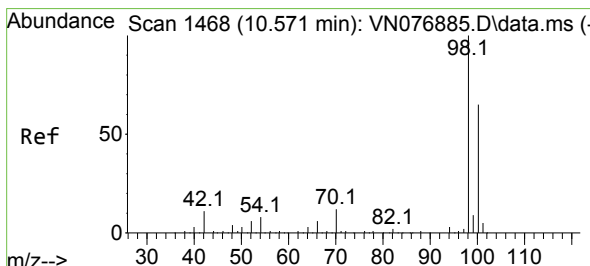
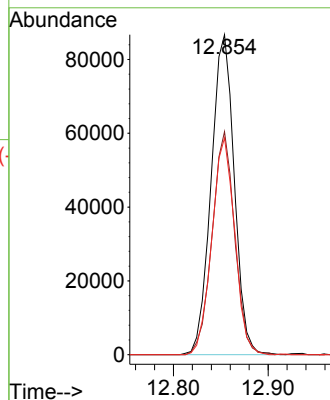
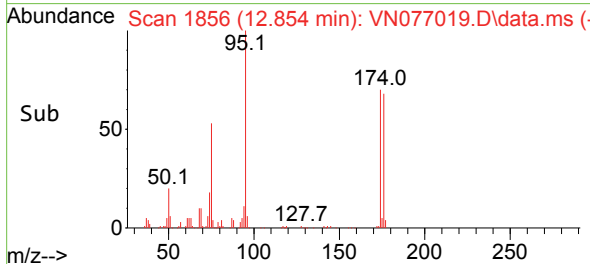
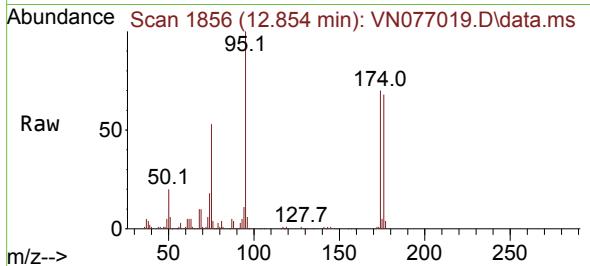




#60
4-Bromofluorobenzene
Concen: 25.499 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

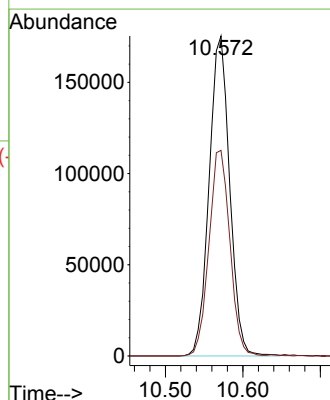
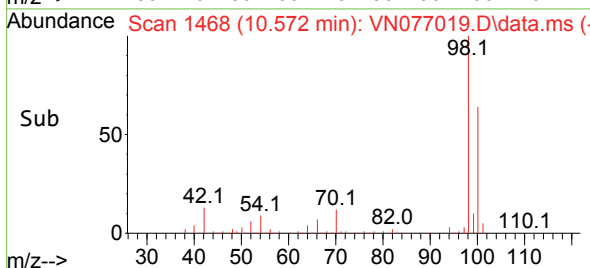
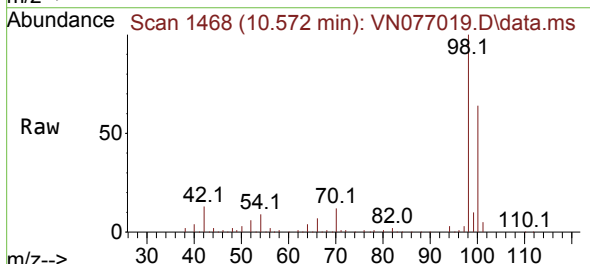
Instrument :
MSVOA_N
ClientSampleId :
230315024-01-TRIP-BLANK

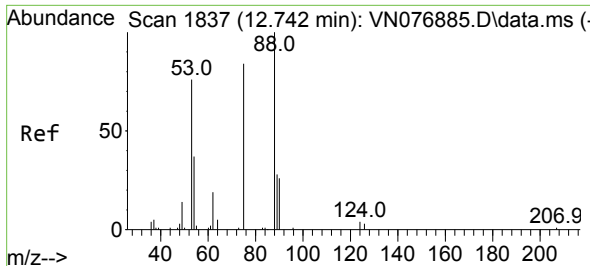
Tgt Ion: 95 Resp: 147393
Ion Ratio Lower Upper
95 100
174 67.9 64.2 96.4
176 66.9 61.4 92.0



#63
Toluene-d8
Concen: 30.090 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

Tgt Ion: 98 Resp: 323232
Ion Ratio Lower Upper
98 100
100 65.4 53.8 80.6

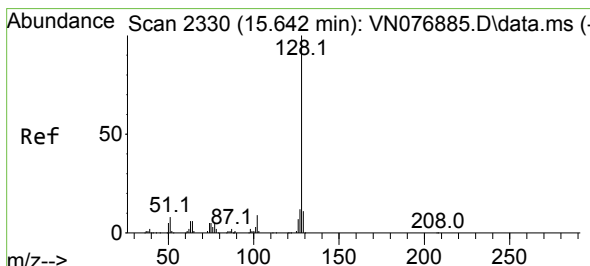
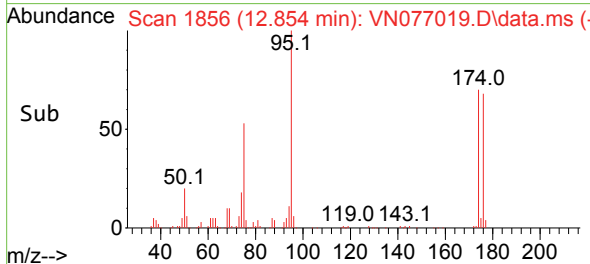
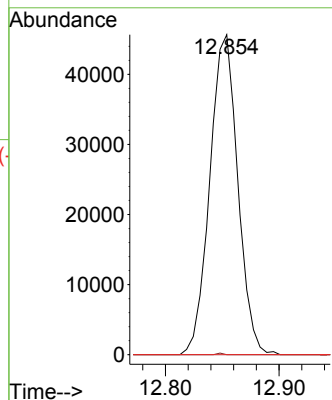
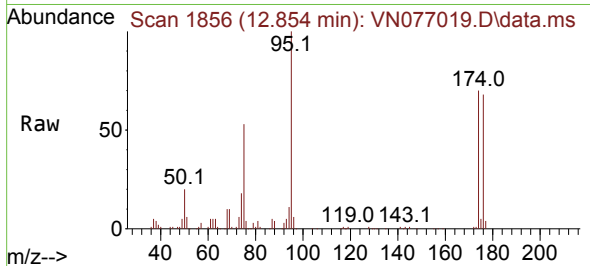




#77
t-1,4-Dichloro-2-butene
Concen: 42.156 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

Instrument :
MSVOA_N
ClientSampleId :
230315024-01-TRIP-BLANK

Tgt Ion: 75 Resp: 78252
Ion Ratio Lower Upper
75 100
53 0.0 50.4 151.3#
89 0.0 22.1 66.5#



#91
Naphthalene
Concen: 0.230 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN077019.D
Acq: 16 Mar 2023 14:07

Tgt Ion: 128 Resp: 3556
Ion Ratio Lower Upper
128 100
127 5.8 11.0 16.6#
129 5.6 8.9 13.3#

