

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077106.D
 Acq On : 22 Mar 2023 14:29
 Operator : JC\MD
 Sample : 01849-03
 Misc : 11.50 gr/5.0mL/100uL/5.0mL/MSVOA_N/MeOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 22 23:24:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.225	168	345465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	626383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	559335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	212838	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.578	65	276831	50.167	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.340%	
35) Dibromofluoromethane	8.172	113	196112	44.707	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 89.420%	
50) Toluene-d8	10.572	98	779660	49.756	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.520%	
62) 4-Bromofluorobenzene	12.854	95	252023	45.515	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.040%	

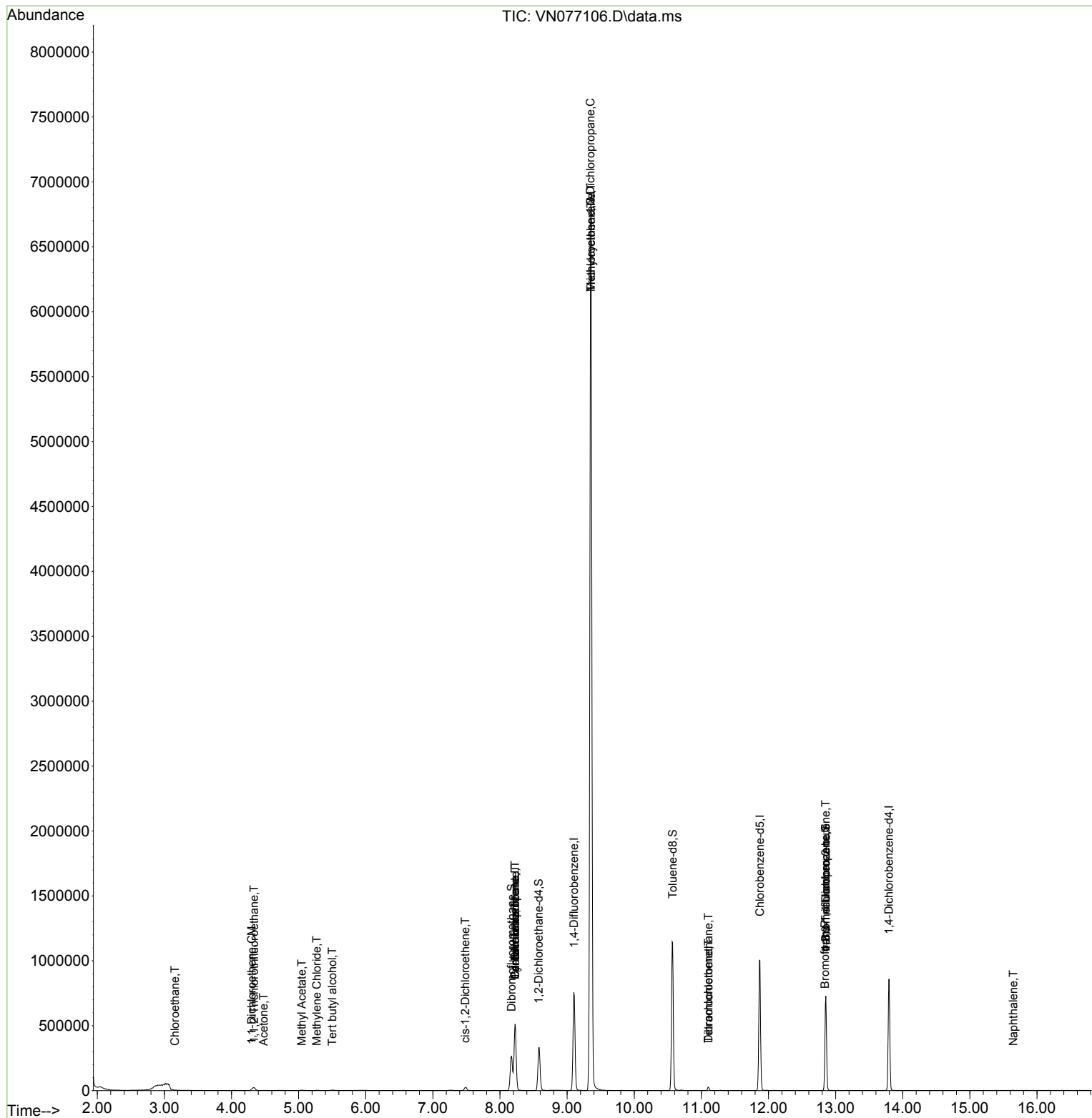
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.084	85	164	Below Cal	#	42
6) Chloroethane	3.160	64	832	0.350	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.337	101	14360	3.132	ug/l #	71
11) Tert butyl alcohol	5.501	59	2980	3.706	ug/l #	72
12) 1,1-Dichloroethene	4.301	96	4490	1.071	ug/l #	88
16) Acetone	4.478	43	1117	0.454	ug/l #	43
18) Methyl Acetate	5.048	43	6434	0.694	ug/l #	67
20) Methylene Chloride	5.272	84	1807	0.339	ug/l #	82
27) cis-1,2-Dichloroethene	7.484	96	13171	2.530	ug/l	97
31) Cyclohexane	8.225	56	9544	1.057	ug/l #	8
36) 1,1-Dichloropropene	8.225	75	35008	5.110	ug/l #	51
38) Carbon Tetrachloride	8.225	117	38510	5.770	ug/l #	14
39) Methylcyclohexane	9.354	83	32291	4.026	ug/l #	1
44) Trichloroethene	9.354	130	2324114	486.940	ug/l	92
45) 1,2-Dichloropropane	9.348	63	8635	1.565	ug/l #	1
60) Dibromochloromethane	11.107	129	5935	1.208	ug/l #	11
64) Tetrachloroethene	11.107	164	5595	1.490	ug/l	94
71) Bromoform	12.842	173	786	0.244	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	140687	25.555	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	140687	70.341	ug/l #	10
95) Naphthalene	15.648	128	1858	2.038	ug/l #	79

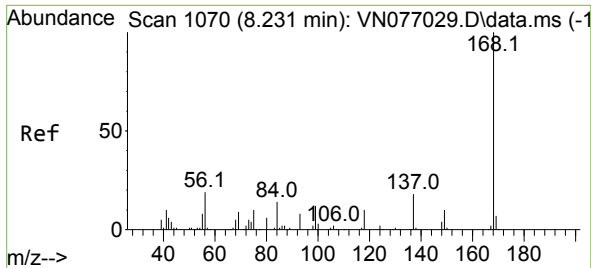
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
Data File : VN077106.D
Acq On : 22 Mar 2023 14:29
Operator : JC\MD
Sample : 01849-03
Misc : 11.50 gr/5.0mL/100uL/5.0mL/MSVOA_N/MeOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 22 23:24:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration

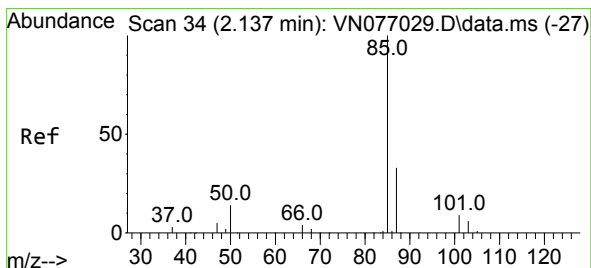
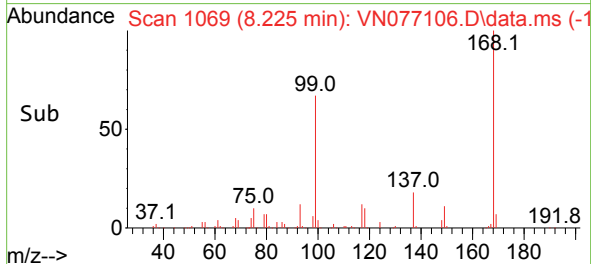
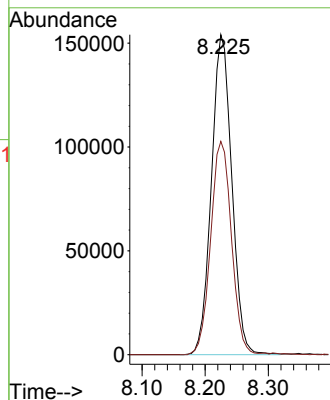
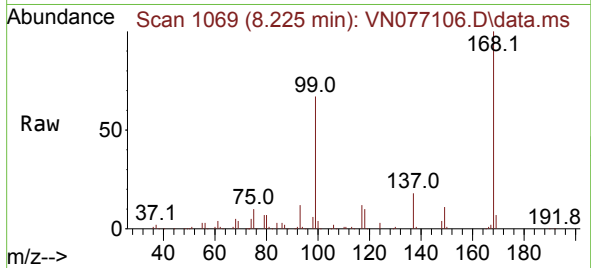




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.225 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

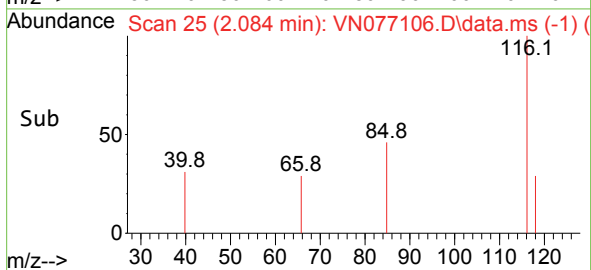
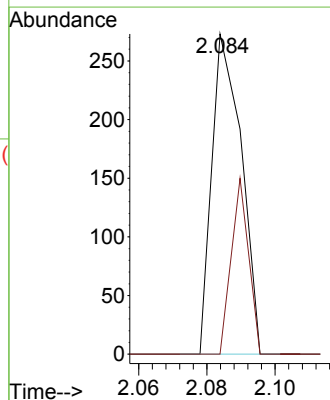
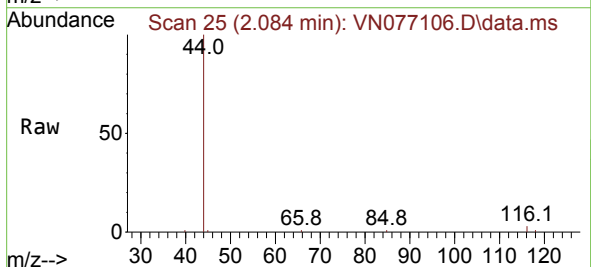
Instrument :
MSVOA_N
ClientSampleId :

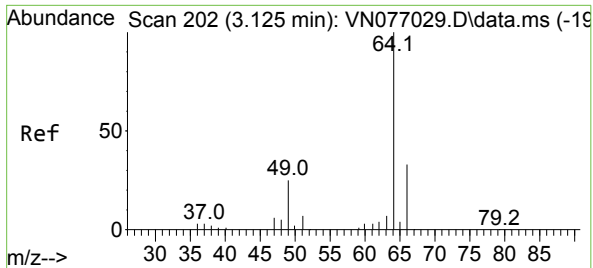
Tgt Ion:168 Resp: 345465
Ion Ratio Lower Upper
168 100
99 66.7 53.9 80.9



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.084 min Scan# 25
Delta R.T. -0.053 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Tgt Ion: 85 Resp: 164
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

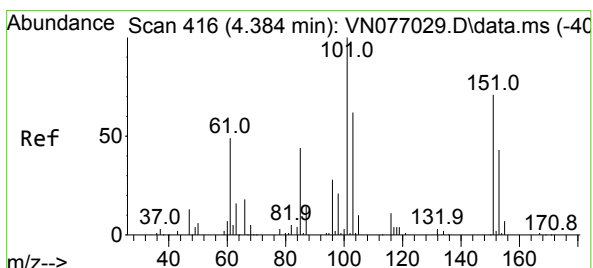
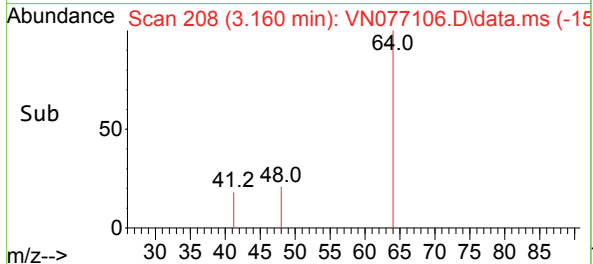
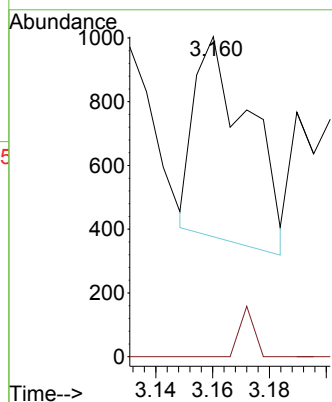
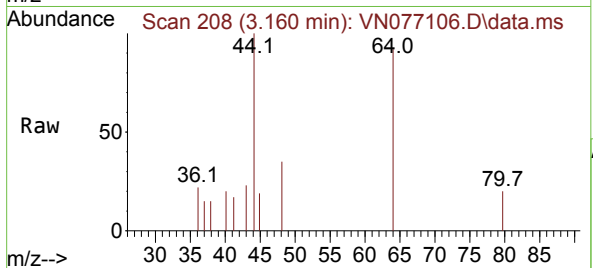




#6
Chloroethane
Concen: 0.350 ug/l
RT: 3.160 min Scan# 20
Delta R.T. 0.035 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

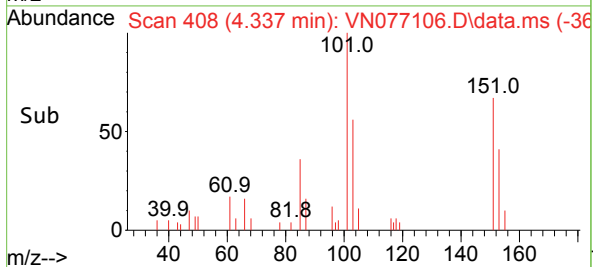
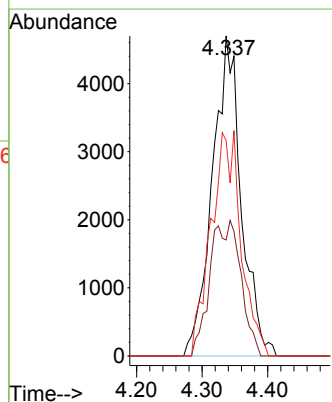
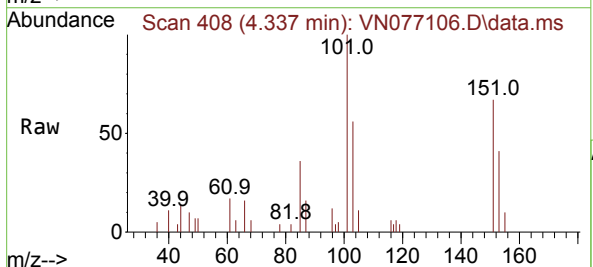
Instrument :
MSVOA_N
ClientSampleId :

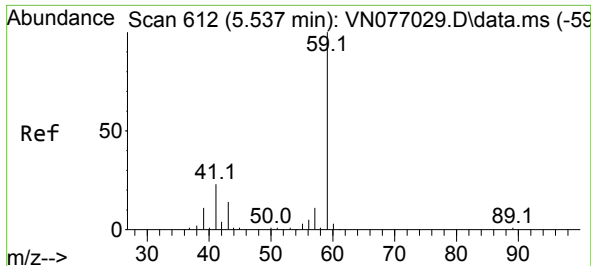
Tgt Ion: 64 Resp: 832
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.132 ug/l
RT: 4.337 min Scan# 408
Delta R.T. -0.047 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Tgt Ion:101 Resp: 14360
Ion Ratio Lower Upper
101 100
85 0.0 36.6 55.0#
151 73.0 56.9 85.3

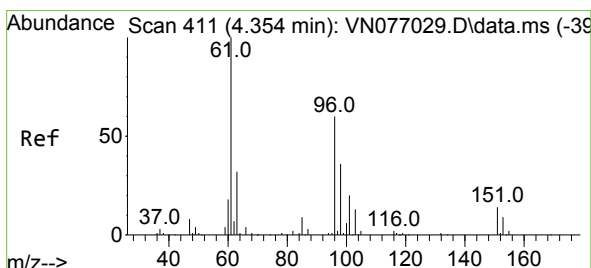
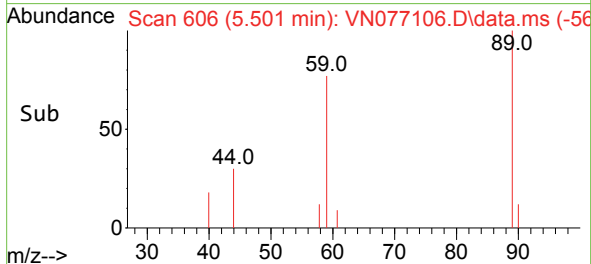
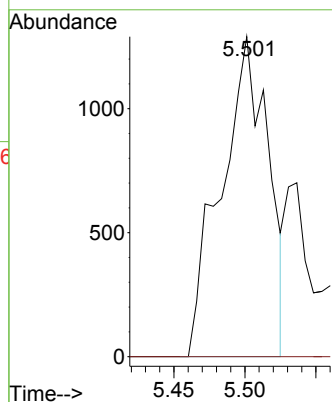
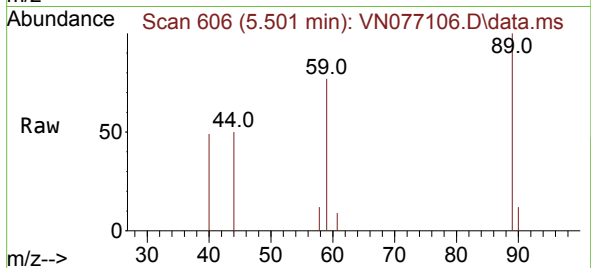




#11
Tert butyl alcohol
Concen: 3.706 ug/l
RT: 5.501 min Scan# 60
Delta R.T. -0.036 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

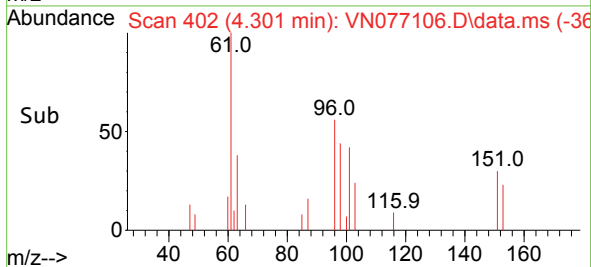
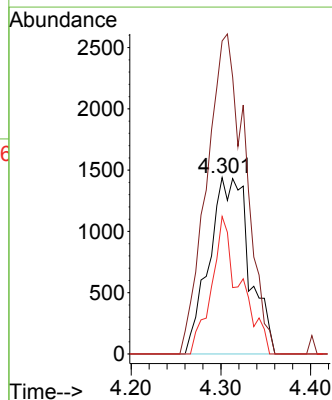
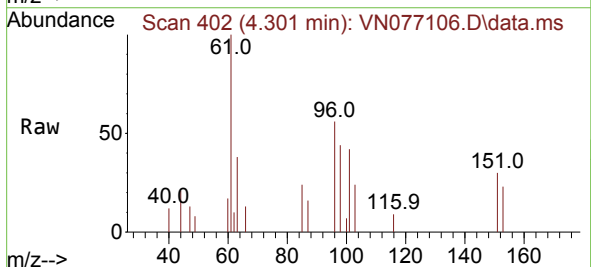
Instrument :
MSVOA_N
ClientSampleId :

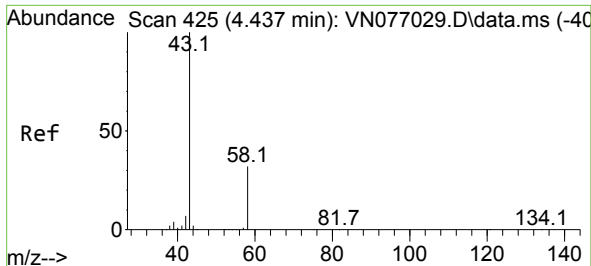
Tgt Ion: 59 Resp: 2980
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 1.071 ug/l
RT: 4.301 min Scan# 402
Delta R.T. -0.053 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Tgt Ion: 96 Resp: 4490
Ion Ratio Lower Upper
96 100
61 177.5 133.8 200.8
98 78.0 48.6 72.8#

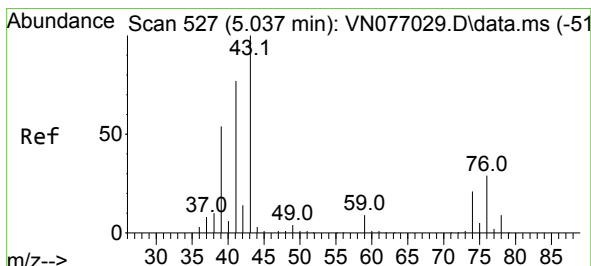
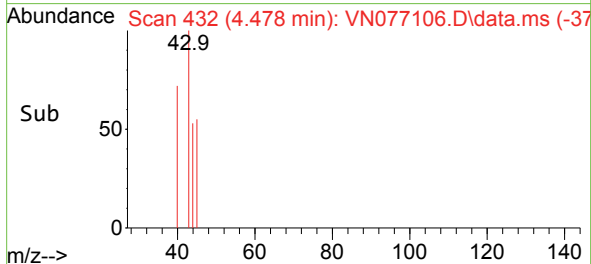
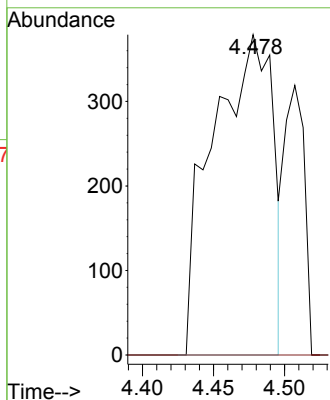
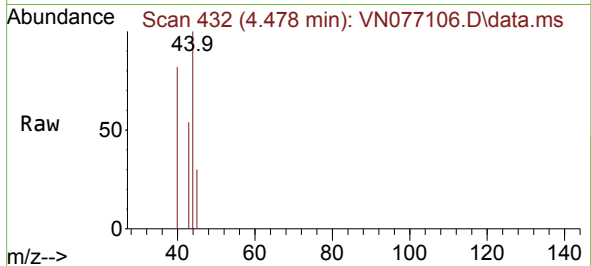




#16
Acetone
Concen: 0.454 ug/l
RT: 4.478 min Scan# 411
Delta R.T. 0.041 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

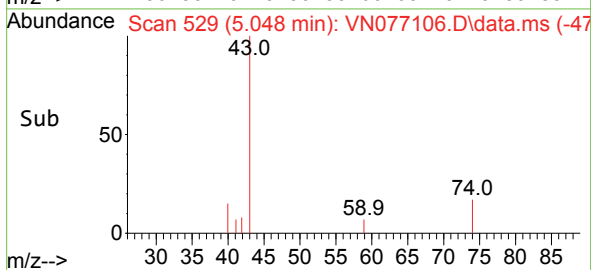
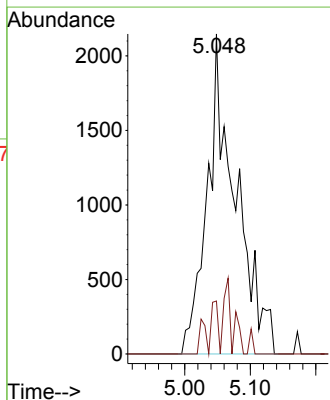
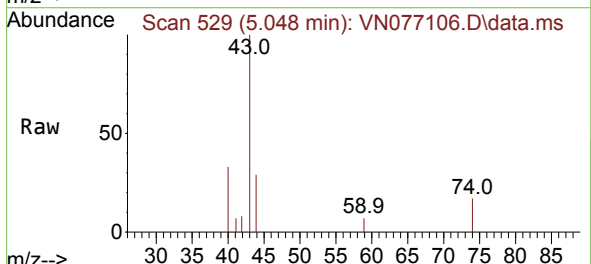
Instrument :
MSVOA_N
ClientSampleId :

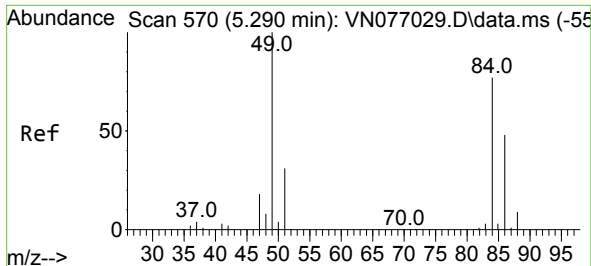
Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#18
Methyl Acetate
Concen: 0.694 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

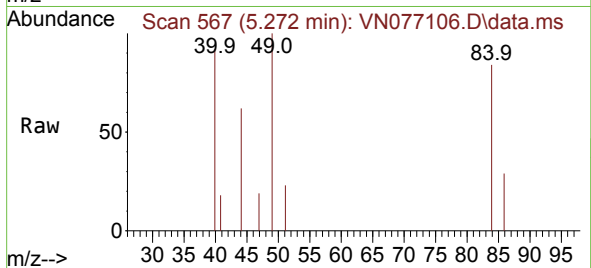
Tgt Ion: 43 Resp: 6434
Ion Ratio Lower Upper
43 100
74 6.2 17.7 26.5#





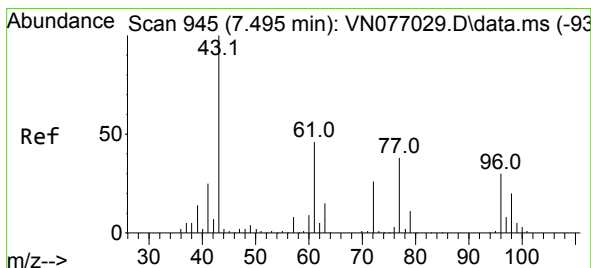
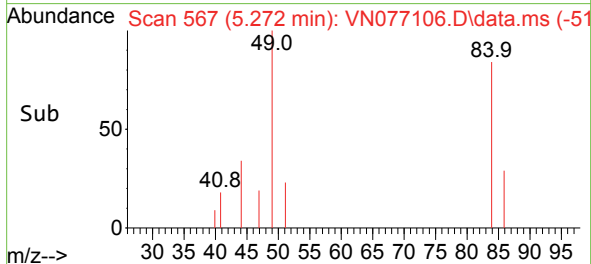
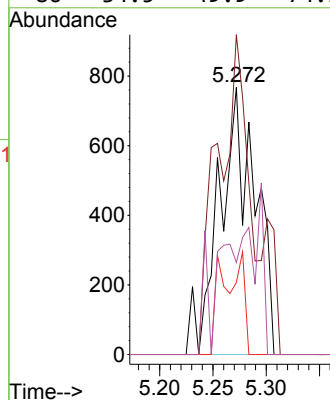
#20
Methylene Chloride
Concen: 0.339 ug/l
RT: 5.272 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1807

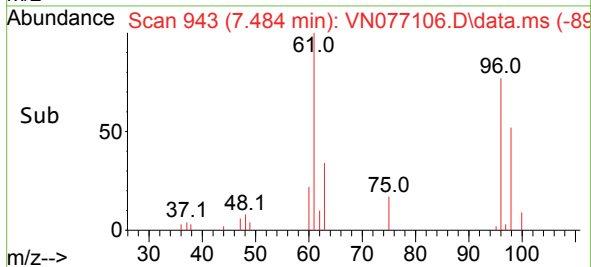
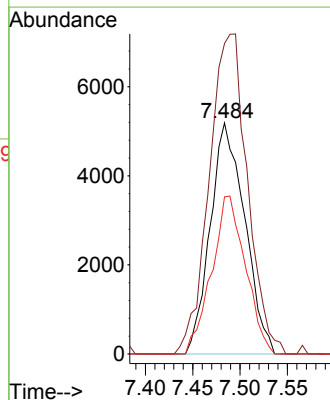
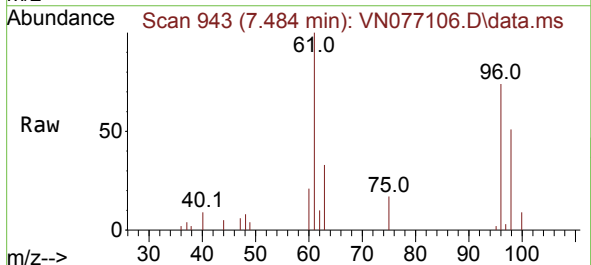
Ion	Ratio	Lower	Upper
84	100		
49	119.7	103.8	155.6
51	27.0	32.3	48.5#
86	34.5	49.9	74.9#

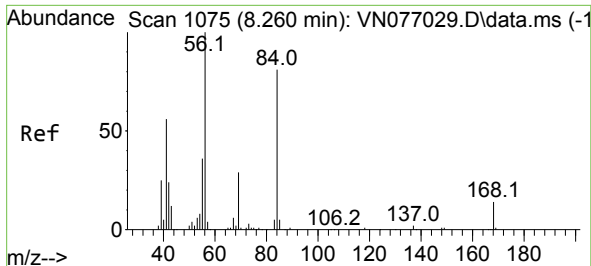


#27
cis-1,2-Dichloroethene
Concen: 2.530 ug/l
RT: 7.484 min Scan# 943
Delta R.T. -0.011 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Tgt Ion: 96 Resp: 13171

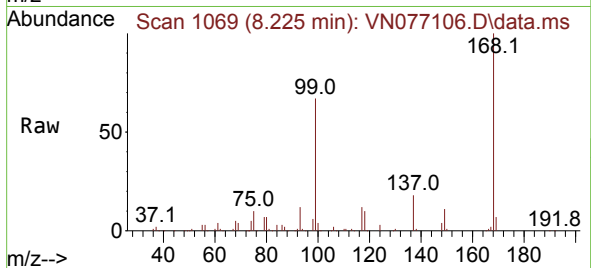
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	315.4
98	67.0	0.0	128.6



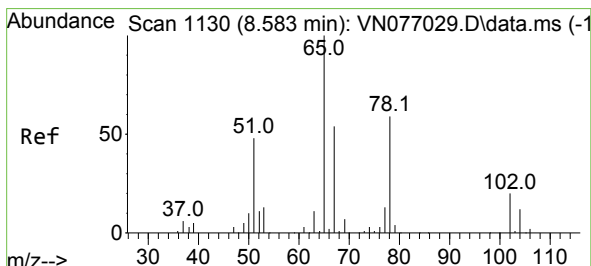
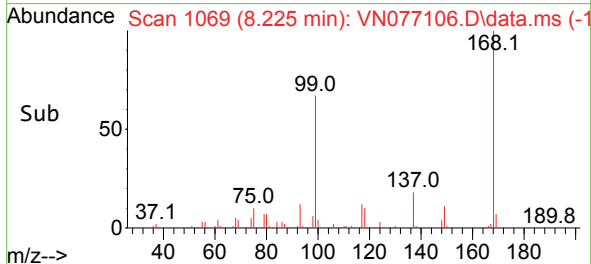
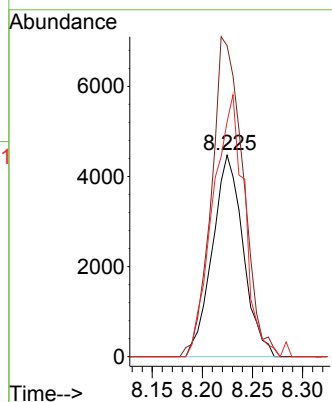


#31
Cyclohexane
Concen: 1.057 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Instrument :
MSVOA_N
ClientSampleId :

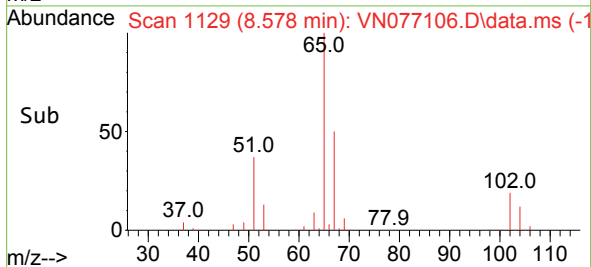
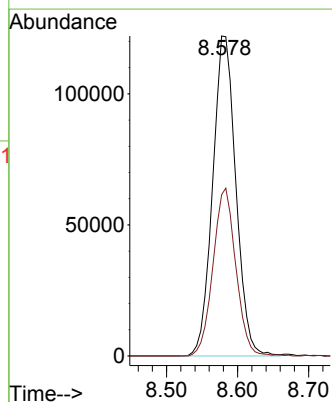
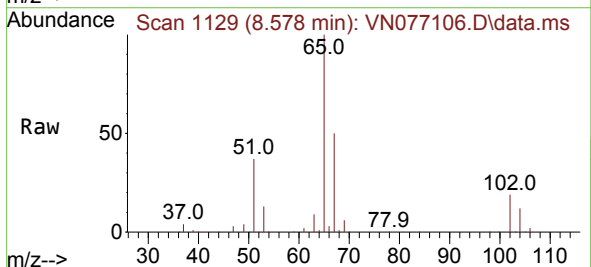


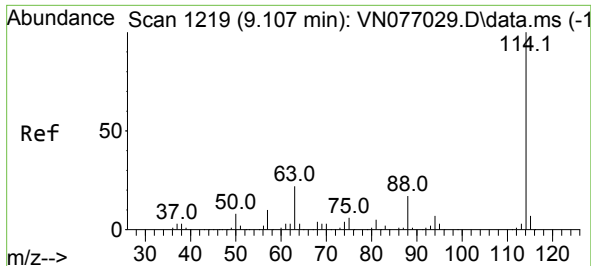
Tgt Ion: 56 Resp: 9544
Ion Ratio Lower Upper
56 100
69 154.4 22.8 34.2#
84 116.6 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 50.167 ug/l
RT: 8.578 min Scan# 1129
Delta R.T. -0.005 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Tgt Ion: 65 Resp: 276831
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN077106.D

Acq: 22 Mar 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :

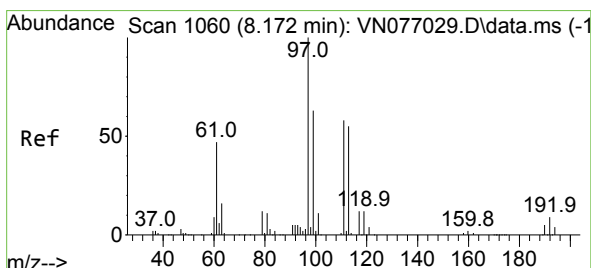
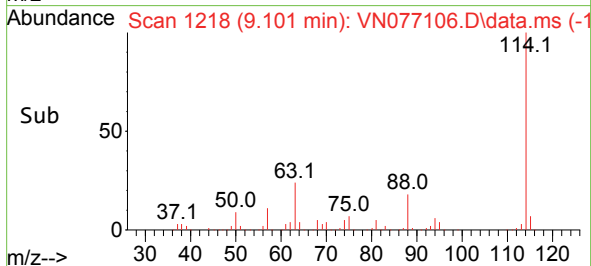
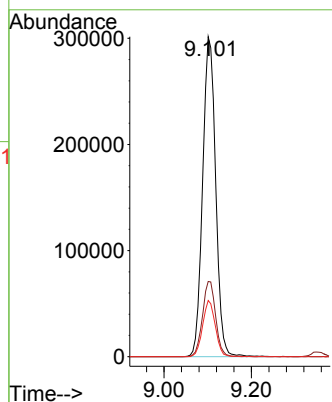
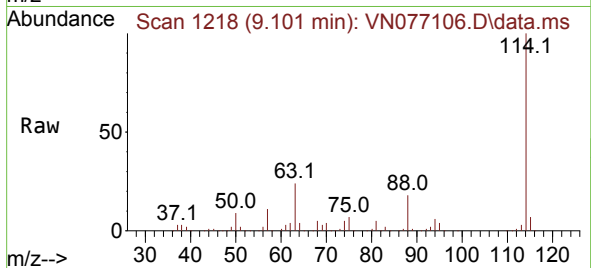
Tgt Ion:114 Resp: 626383

Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.6

88 17.6 0.0 33.8



#35

Dibromofluoromethane

Concen: 44.707 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077106.D

Acq: 22 Mar 2023 14:29

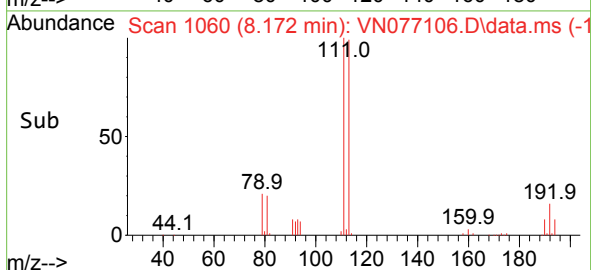
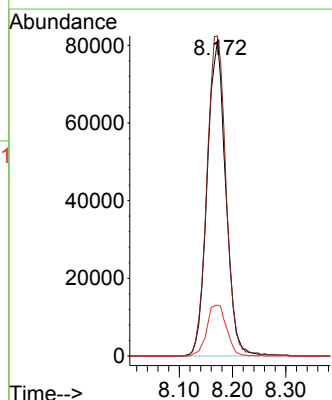
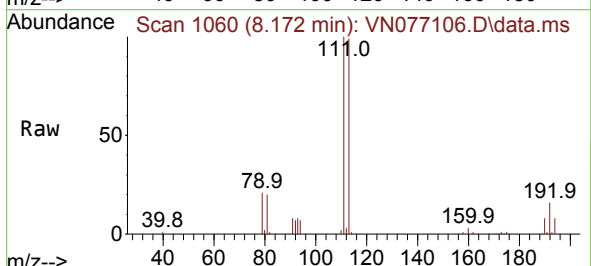
Tgt Ion:113 Resp: 196112

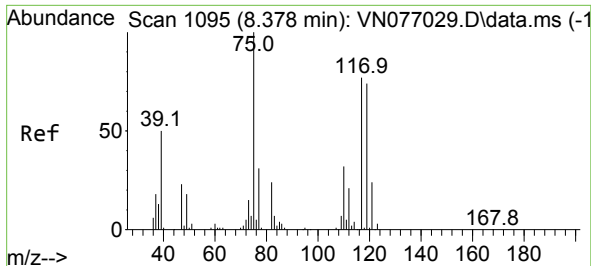
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.2

192 17.1 13.0 19.6

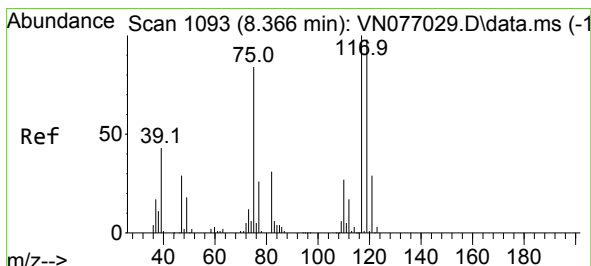
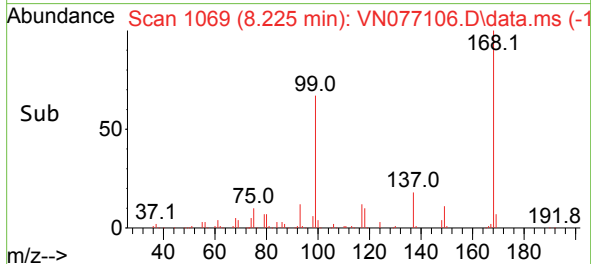
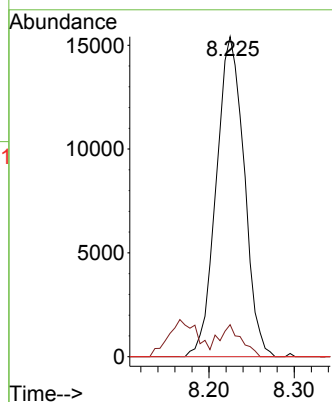
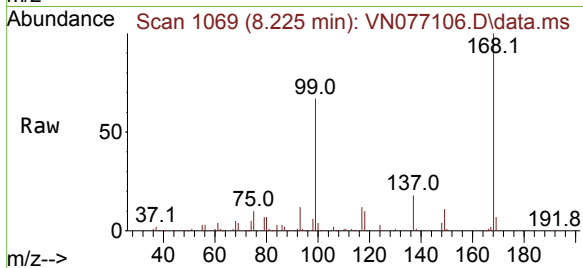




#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

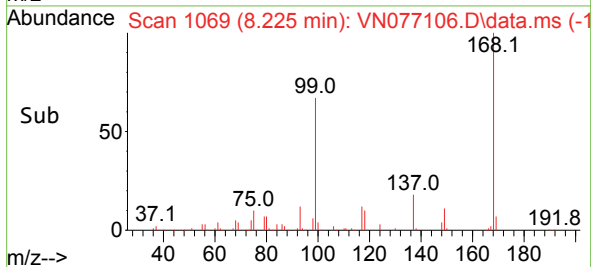
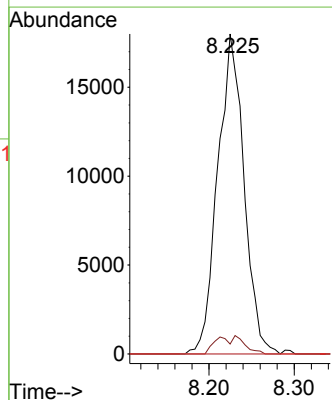
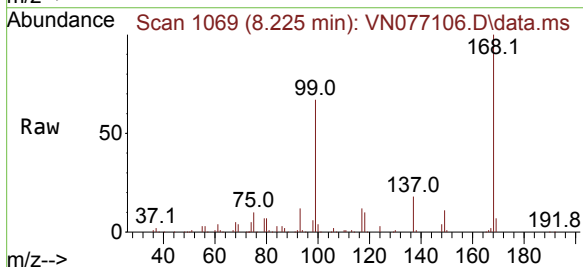
Instrument :
MSVOA_N
ClientSampleId :

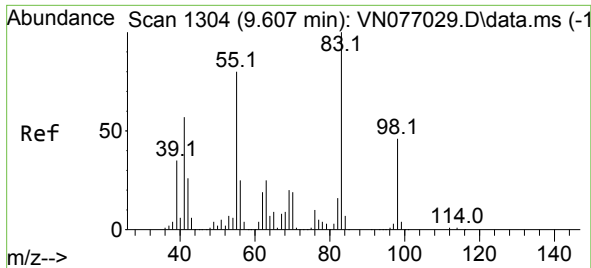
Tgt Ion: 75 Resp: 35008
Ion Ratio Lower Upper
75 100
110 7.9 15.9 47.7#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.770 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.141 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Tgt Ion: 117 Resp: 38510
Ion Ratio Lower Upper
117 100
119 3.1 78.2 117.2#
121 0.0 23.2 34.8#

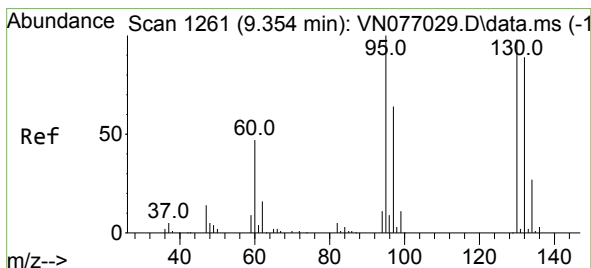
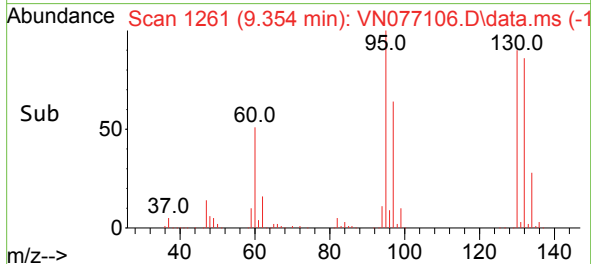
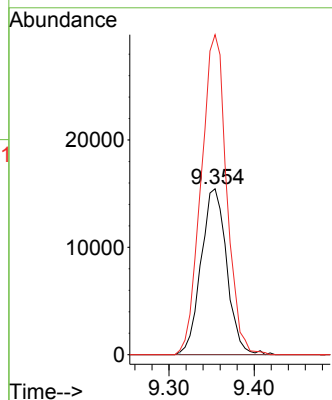
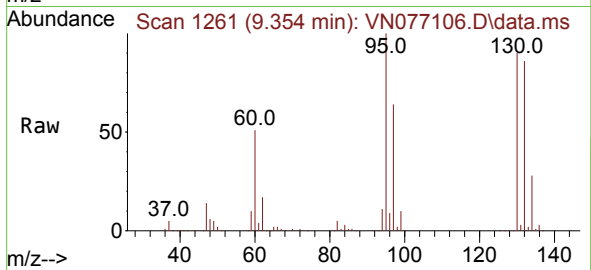




#39
Methylcyclohexane
Concen: 4.026 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.253 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

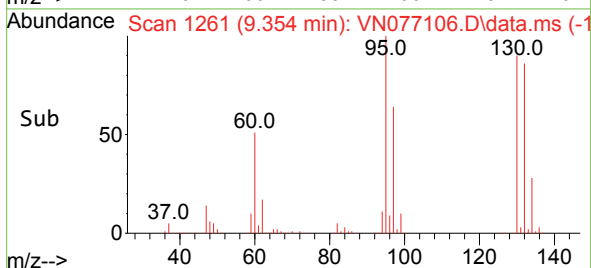
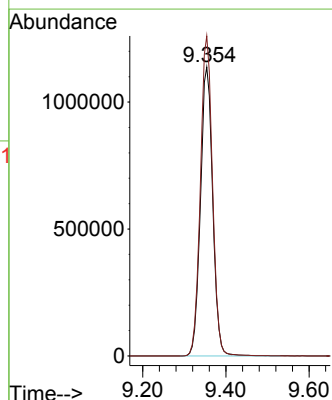
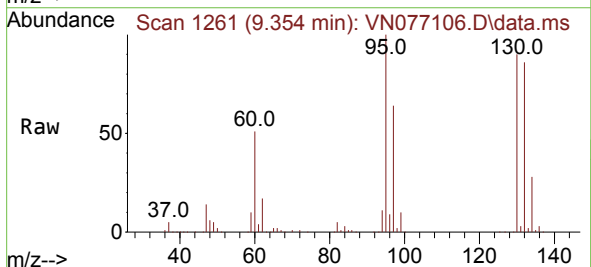
Instrument :
MSVOA_N
ClientSampleId :

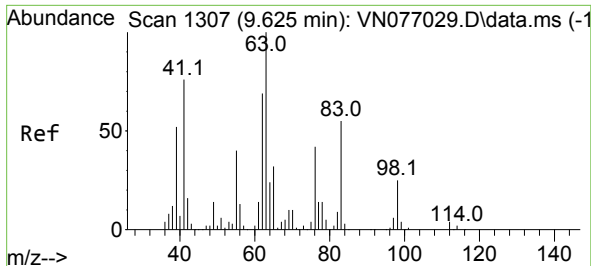
Tgt Ion: 83 Resp: 32291
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 192.8 37.1 55.7#



#44
Trichloroethene
Concen: 486.940 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Tgt Ion:130 Resp: 2324114
Ion Ratio Lower Upper
130 100
95 110.8 0.0 204.4





#45

1,2-Dichloropropane

Concen: 1.565 ug/l

RT: 9.348 min Scan# 1

Delta R.T. -0.276 min

Lab File: VN077106.D

Acq: 22 Mar 2023 14:29

Instrument :

MSVOA_N

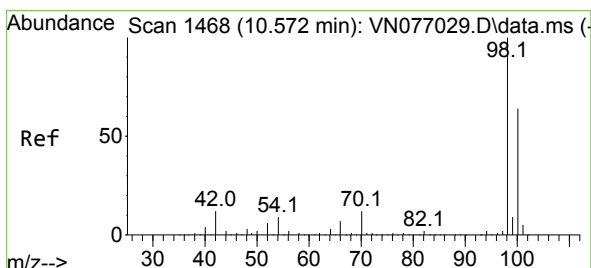
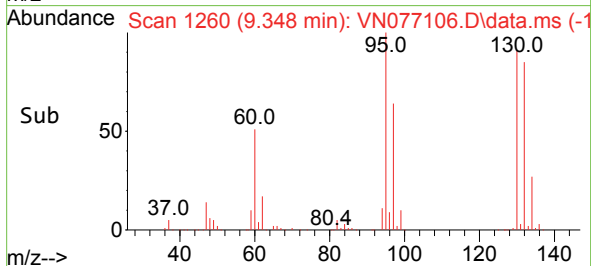
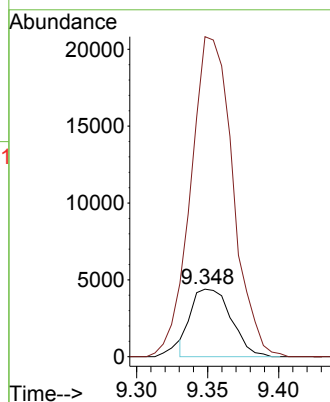
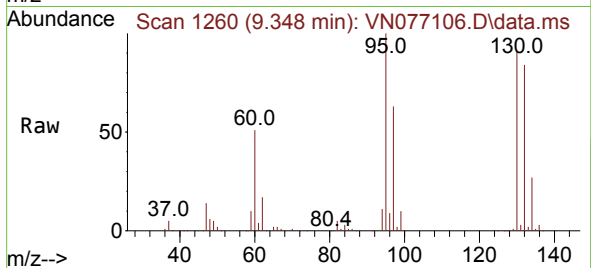
ClientSampleId :

Tgt Ion: 63 Resp: 8635

Ion Ratio Lower Upper

63 100

65 469.8 25.5 38.3#



#50

Toluene-d8

Concen: 49.756 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077106.D

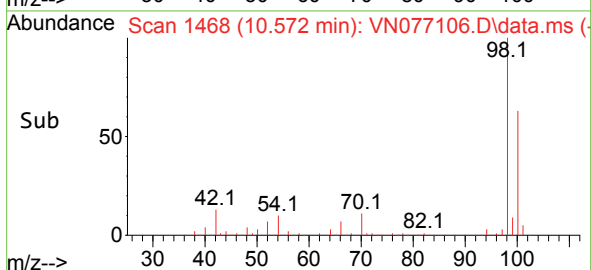
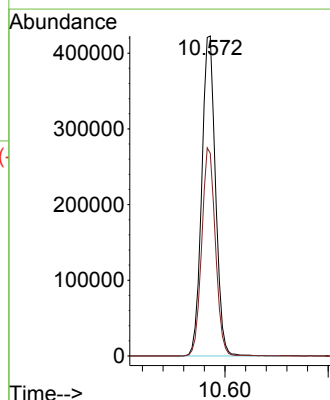
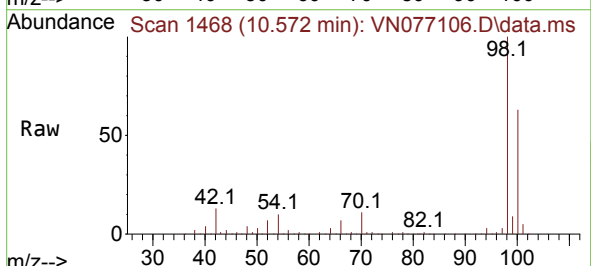
Acq: 22 Mar 2023 14:29

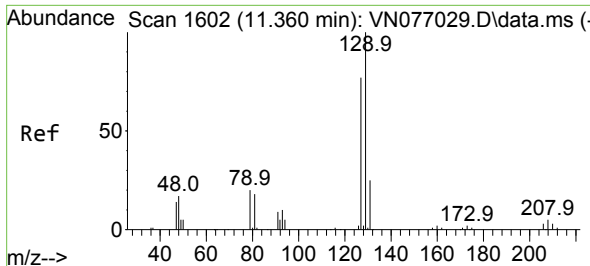
Tgt Ion: 98 Resp: 779660

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4

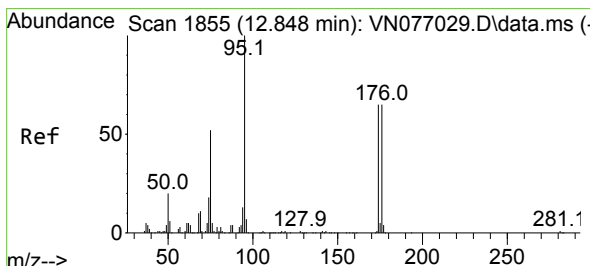
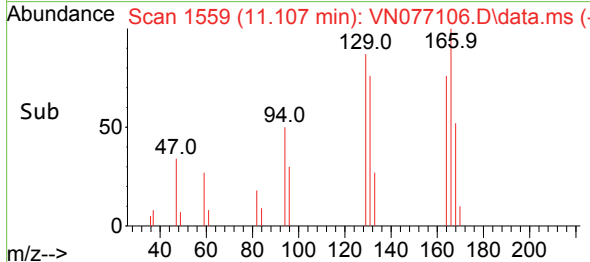
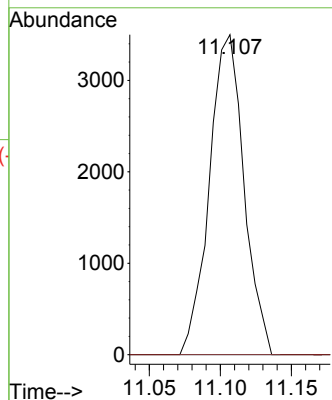
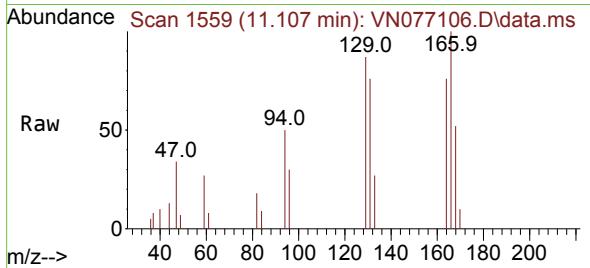




#60
Dibromochloromethane
Concen: 1.208 ug/l
RT: 11.107 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

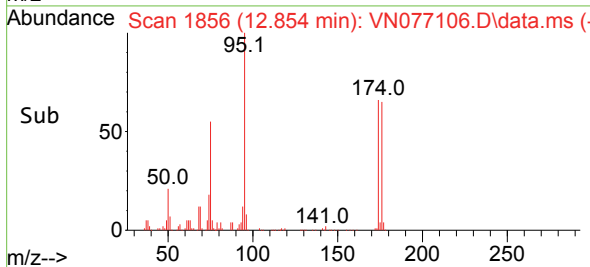
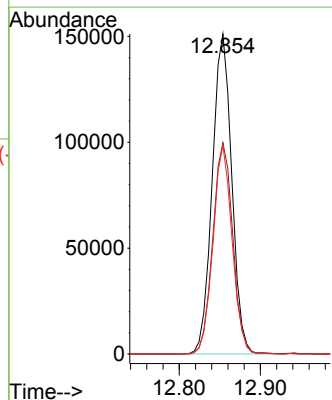
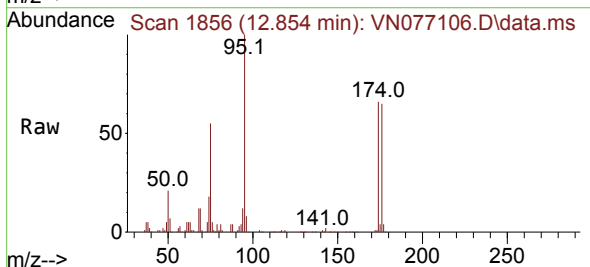
Instrument :
MSVOA_N
ClientSampleId :

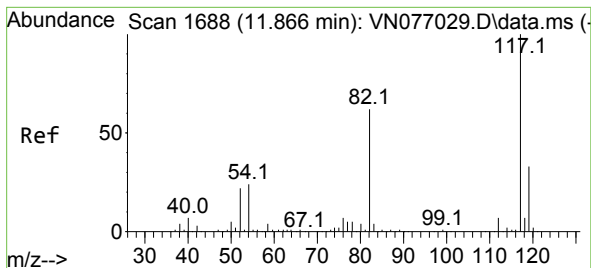
Tgt Ion:129 Resp: 5935
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 45.515 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077106.D
Acq: 22 Mar 2023 14:29

Tgt Ion: 95 Resp: 252023
Ion Ratio Lower Upper
95 100
174 67.4 0.0 136.6
176 63.9 0.0 130.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN077106.D

Acq: 22 Mar 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :

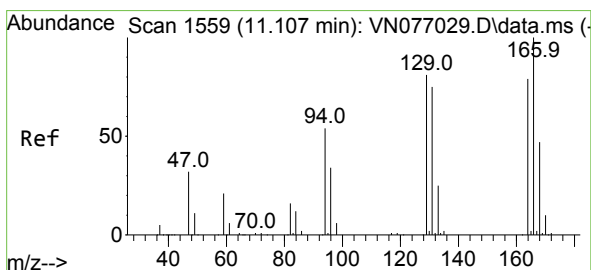
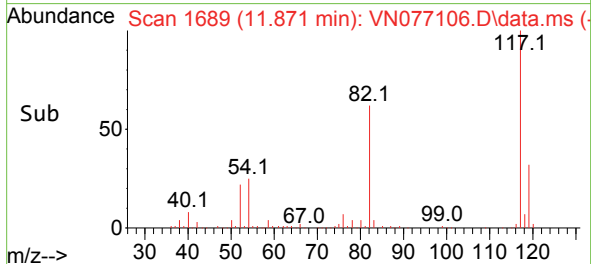
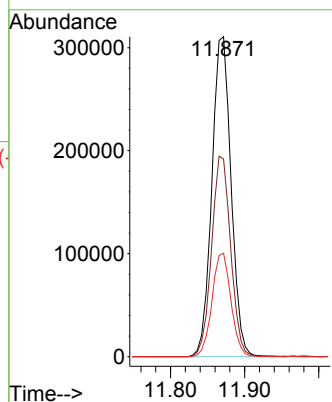
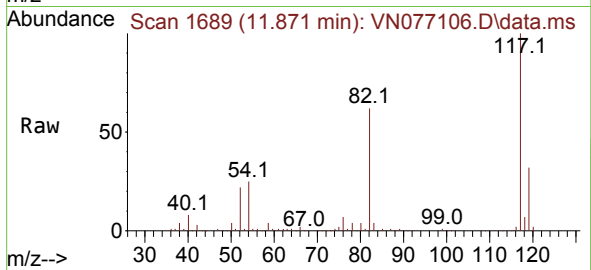
Tgt Ion:117 Resp: 559335

Ion Ratio Lower Upper

117 100

82 61.7 49.4 74.0

119 32.4 26.5 39.7



#64

Tetrachloroethene

Concen: 1.490 ug/l

RT: 11.107 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VN077106.D

Acq: 22 Mar 2023 14:29

Tgt Ion:164 Resp: 5595

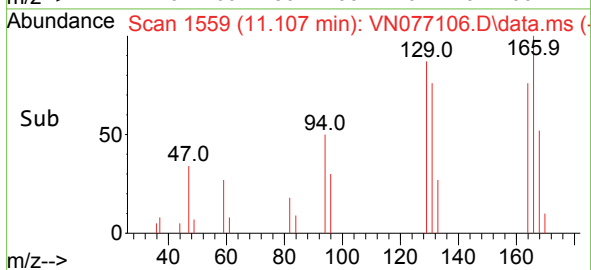
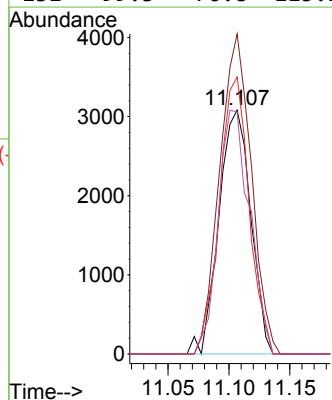
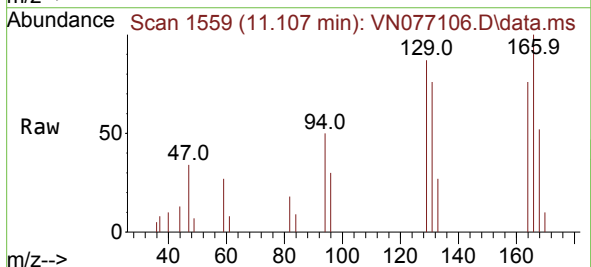
Ion Ratio Lower Upper

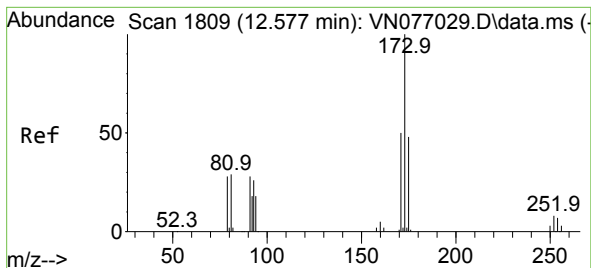
164 100

166 131.3 101.9 152.9

129 113.6 82.6 123.8

131 99.3 76.8 115.2





#71

Bromoform

Concen: 0.244 ug/l

RT: 12.842 min Scan# 1809

Delta R.T. 0.265 min

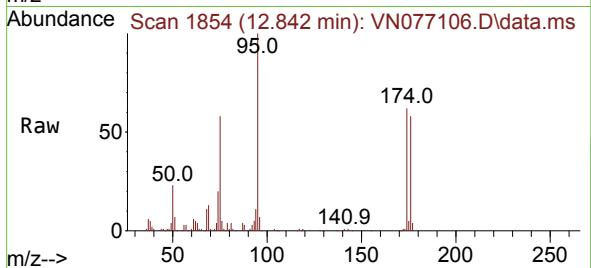
Lab File: VN077106.D

Acq: 22 Mar 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :



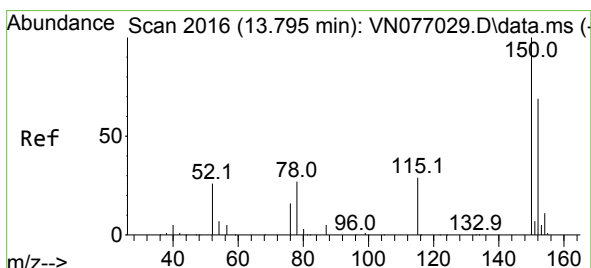
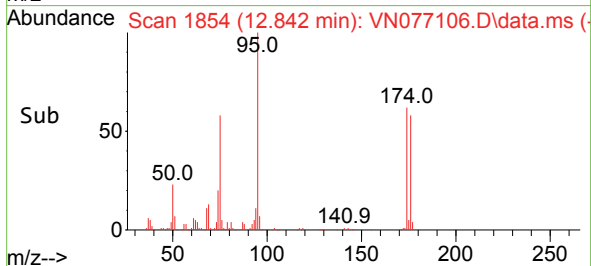
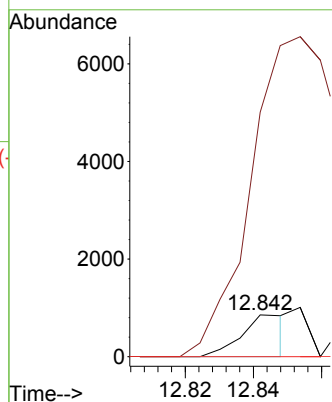
Tgt Ion:173 Resp: 786

Ion Ratio Lower Upper

173 100

175 0.0 24.5 73.5#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077106.D

Acq: 22 Mar 2023 14:29

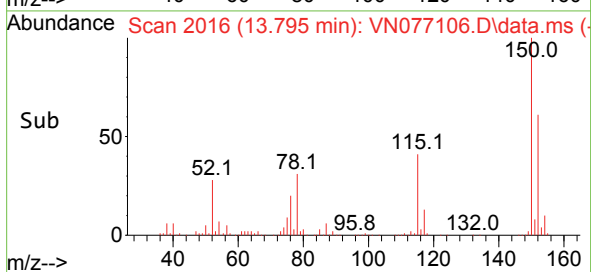
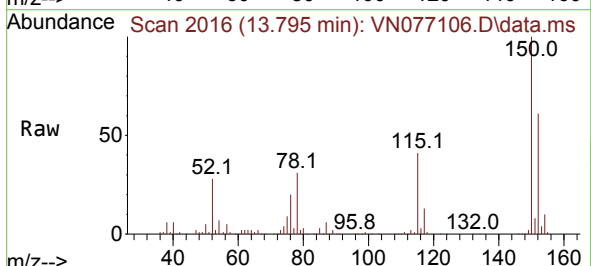
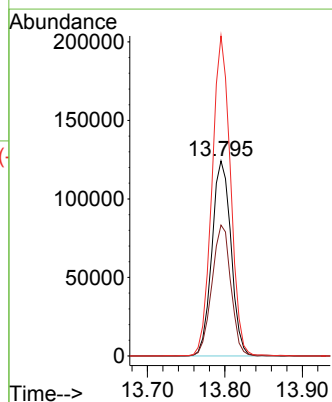
Tgt Ion:152 Resp: 212838

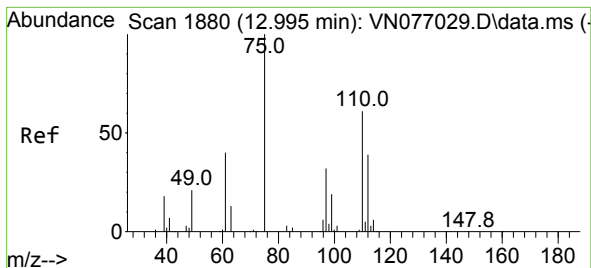
Ion Ratio Lower Upper

152 100

115 66.5 31.9 95.7

150 159.0 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 25.555 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077106.D

Acq: 22 Mar 2023 14:29

Instrument :

MSVOA_N

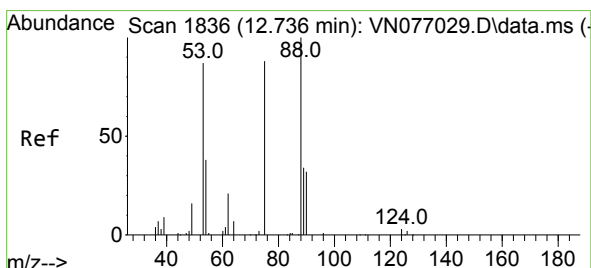
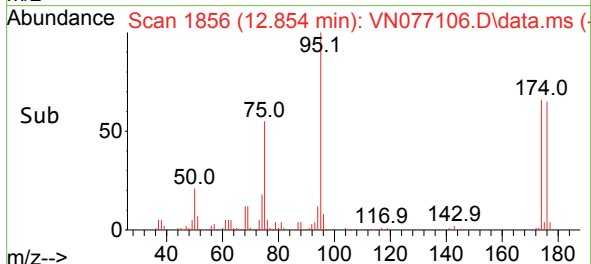
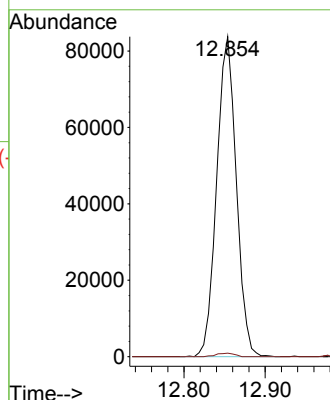
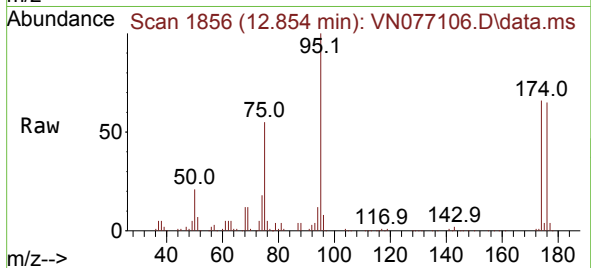
ClientSampleId :

Tgt Ion: 75 Resp: 140687

Ion Ratio Lower Upper

75 100

77 1.0 107.3 322.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.341 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN077106.D

Acq: 22 Mar 2023 14:29

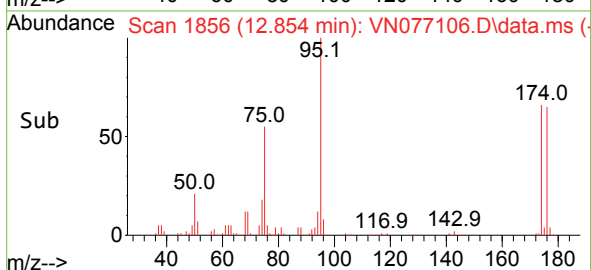
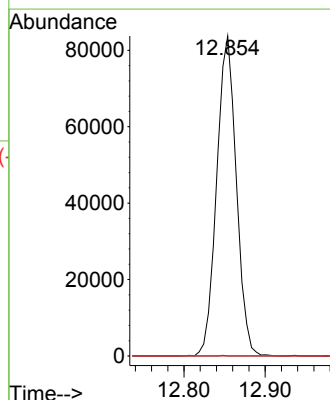
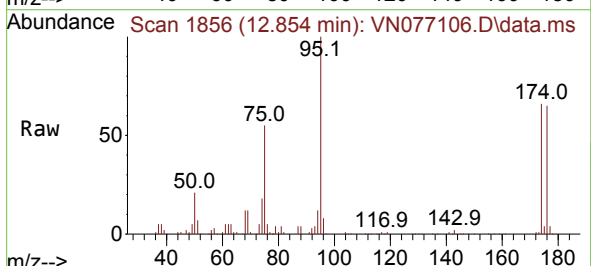
Tgt Ion: 75 Resp: 140687

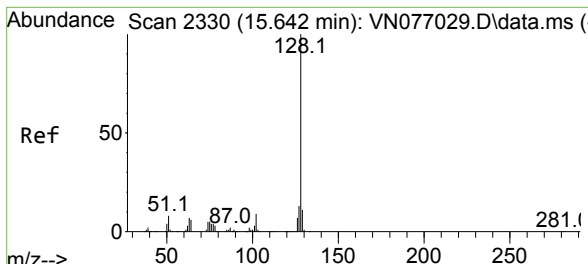
Ion Ratio Lower Upper

75 100

53 0.0 80.8 121.2#

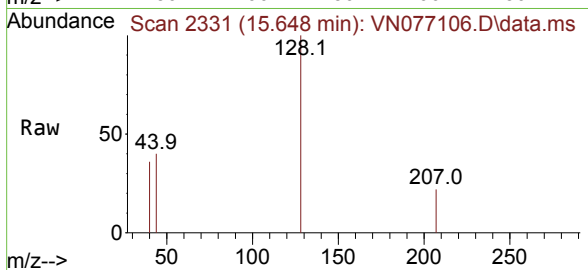
89 0.0 34.2 51.4#





#95
 Naphthalene
 Concen: 2.038 ug/l
 RT: 15.648 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077106.D
 Acq: 22 Mar 2023 14:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	1858
Ion	Ratio	Lower	Upper
128	100		
127	3.2	10.0	15.0#
129	3.7	8.6	13.0#

