

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077104.D
 Acq On : 22 Mar 2023 13:41
 Operator : JC\MD
 Sample : 01849-01
 Misc : 12.53 gr/5.0mL/100uL/5.0mL/MSVOA_N/MeOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 22 23:23:23 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)

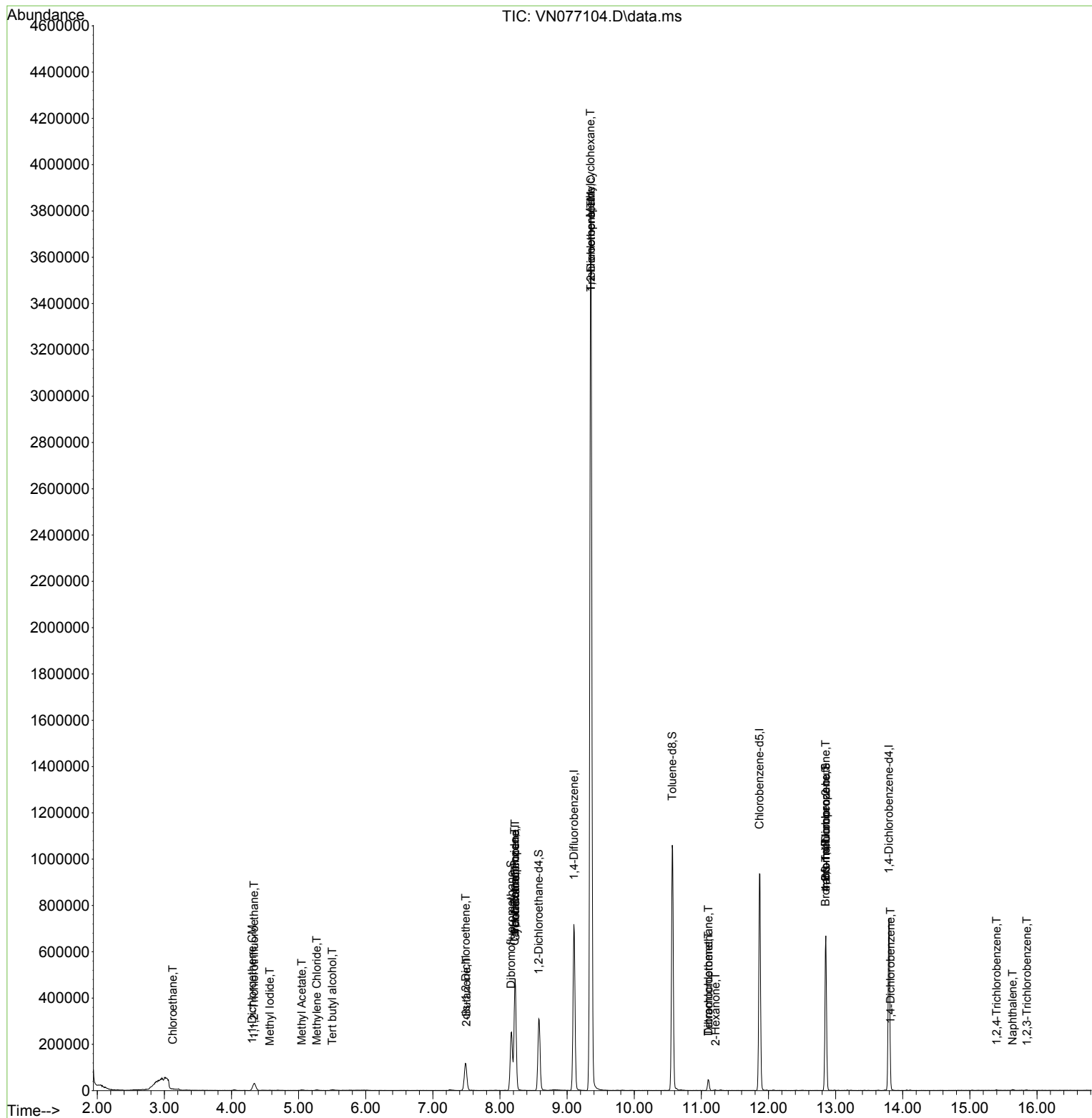
Internal Standards						
1) Pentafluorobenzene	8.225	168	322478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	584739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	509574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	185981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.578	65	261756	50.816	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.640%			
35) Dibromofluoromethane	8.166	113	185540	45.309	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.620%			
50) Toluene-d8	10.566	98	717645	49.060	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.120%			
62) 4-Bromofluorobenzene	12.854	95	227351	43.984	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.960%			
Target Compounds					Qvalue	
6) Chloroethane	3.125	64	825	0.372	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.337	101	20849	4.872	ug/l	100
10) Methyl Iodide	4.572	142	1047	0.217	ug/l #	89
11) Tert butyl alcohol	5.501	59	2222	2.960	ug/l #	72
12) 1,1-Dichloroethene	4.307	96	1642	0.419	ug/l #	37
18) Methyl Acetate	5.048	43	2989	0.345	ug/l #	69
20) Methylene Chloride	5.272	84	1897	0.381	ug/l	95
25) 2-Butanone	7.501	43	1505	0.448	ug/l #	64
27) cis-1,2-Dichloroethene	7.489	96	66678	13.719	ug/l	92
31) Cyclohexane	8.231	56	9517	1.129	ug/l #	1
36) 1,1-Dichloropropene	8.225	75	31467	4.920	ug/l #	51
38) Carbon Tetrachloride	8.219	117	38453	6.172	ug/l #	15
39) Methylcyclohexane	9.348	83	19273	2.574	ug/l #	1
44) Trichloroethene	9.354	130	1311684	294.392	ug/l	94
45) 1,2-Dichloropropane	9.354	63	4693	0.911	ug/l #	1
59) 2-Hexanone	11.213	43	1893	0.392	ug/l	87
60) Dibromochloromethane	11.107	129	10626	2.316	ug/l #	11
64) Tetrachloroethene	11.107	164	10352	3.027	ug/l	95
71) Bromoform	12.848	173	1137	0.387	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	126004	26.193	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	126004	72.097	ug/l #	10
88) 1,4-Dichlorobenzene	13.818	146	2655	0.378	ug/l #	23
93) 1,2,4-Trichlorobenzene	15.401	180	951	0.299	ug/l	76
95) Naphthalene	15.636	128	3915	2.217	ug/l	97
96) 1,2,3-Trichlorobenzene	15.848	180	1126	0.353	ug/l #	15

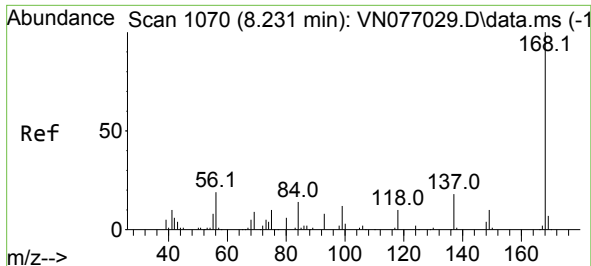
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN077104.D
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MSVOA_N
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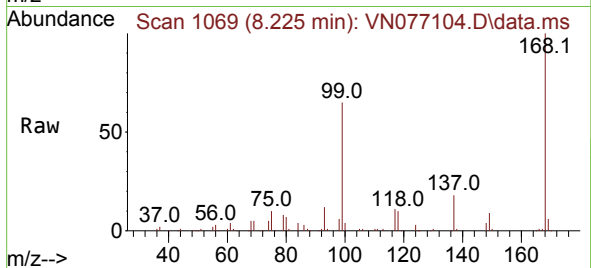
Quant Time: Mar 22 23:23:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration



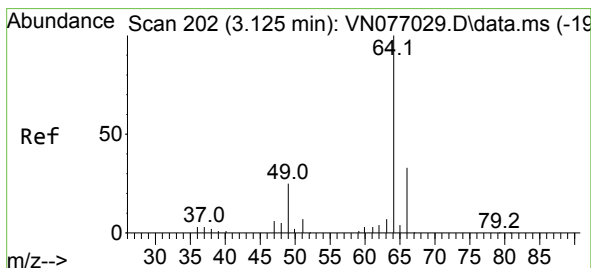
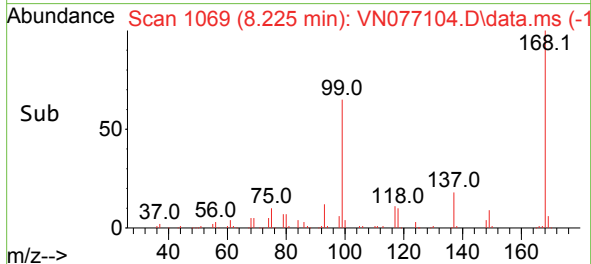
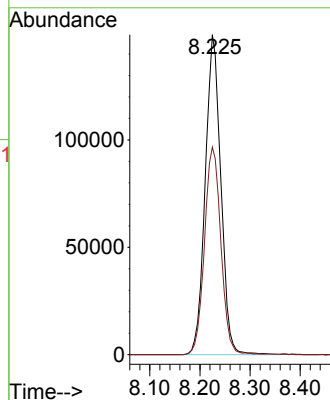


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.225 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Instrument :
MSVOA_N
ClientSampleId :

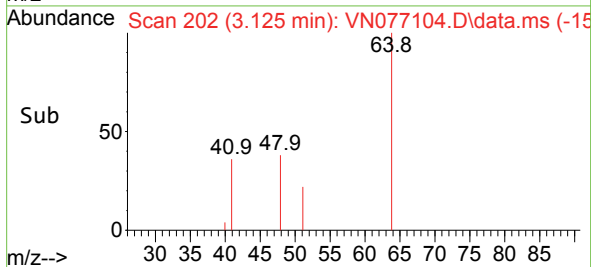
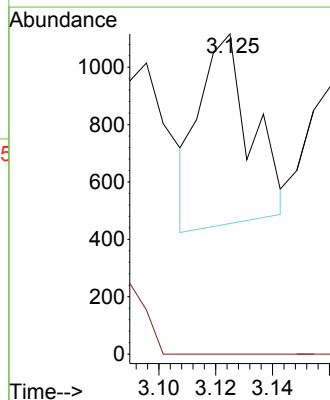
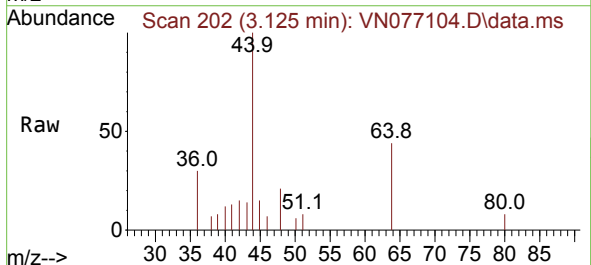


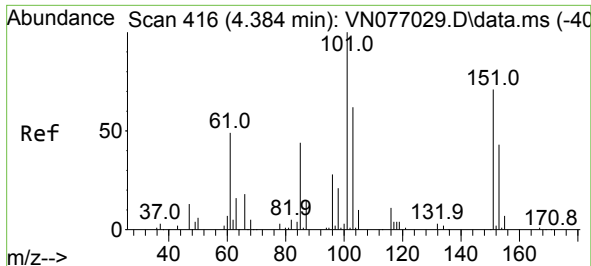
Tgt Ion:168 Resp: 322478
Ion Ratio Lower Upper
168 100
99 64.8 53.9 80.9



#6
Chloroethane
Concen: 0.372 ug/l
RT: 3.125 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Tgt Ion: 64 Resp: 825
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

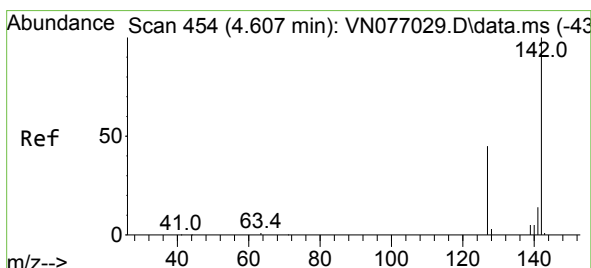
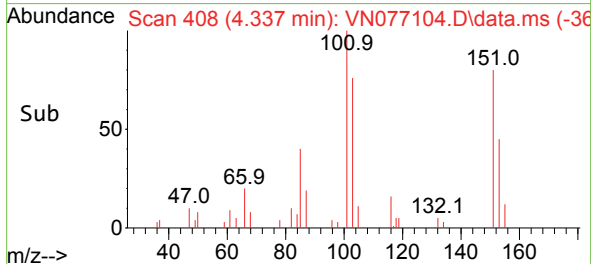
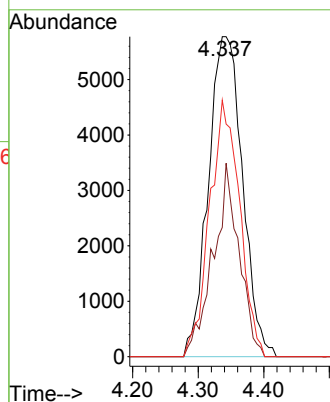
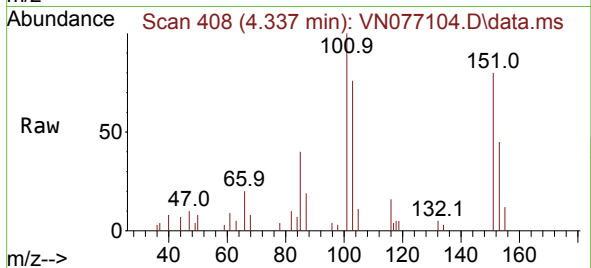




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.872 ug/l
RT: 4.337 min Scan# 408
Delta R.T. -0.047 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

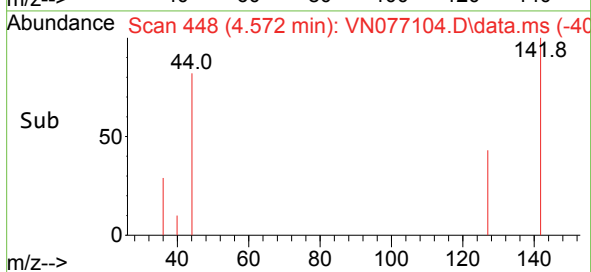
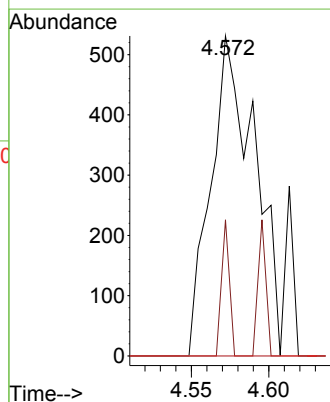
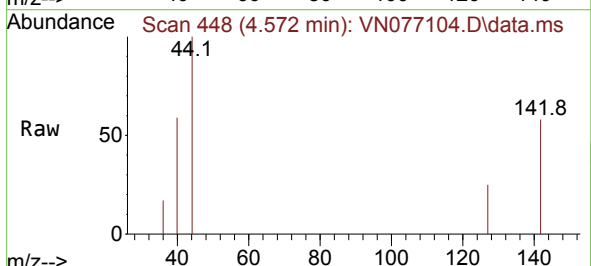
Instrument :
MSVOA_N
ClientSampleId :

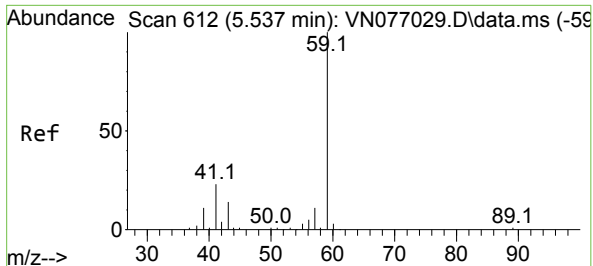
Tgt Ion:101 Resp: 20849
Ion Ratio Lower Upper
101 100
85 45.8 36.6 55.0
151 70.7 56.9 85.3



#10
Methyl Iodide
Concen: 0.217 ug/l
RT: 4.572 min Scan# 448
Delta R.T. -0.035 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Tgt Ion:142 Resp: 1047
Ion Ratio Lower Upper
142 100
127 42.6 36.1 54.1
141 0.0 10.8 16.2#

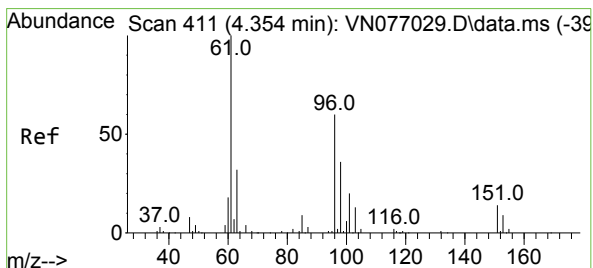
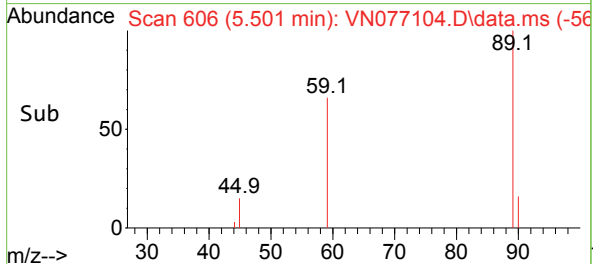
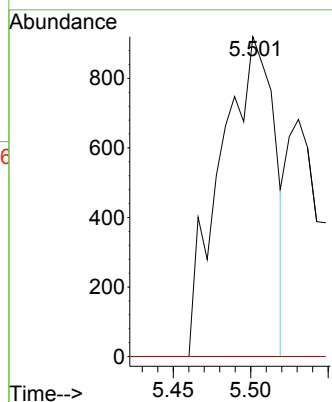
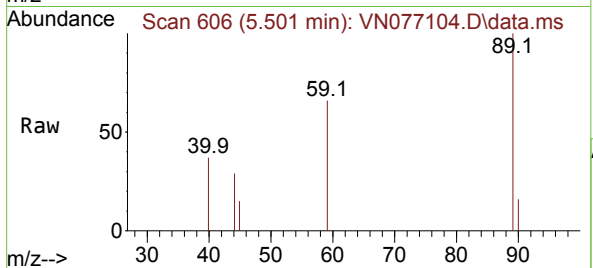




#11
Tert butyl alcohol
Concen: 2.960 ug/l
RT: 5.501 min Scan# 606
Delta R.T. -0.036 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

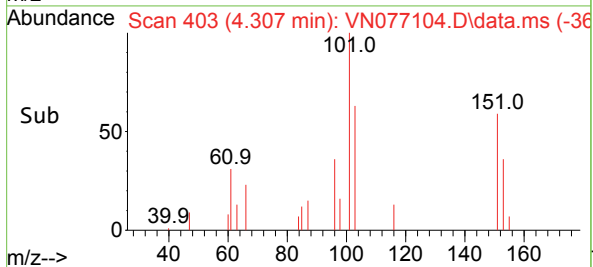
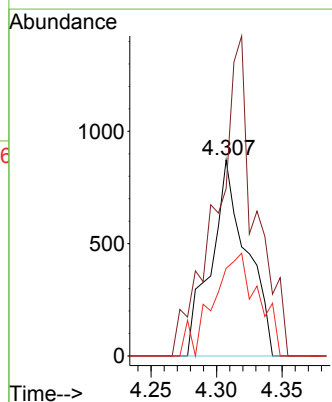
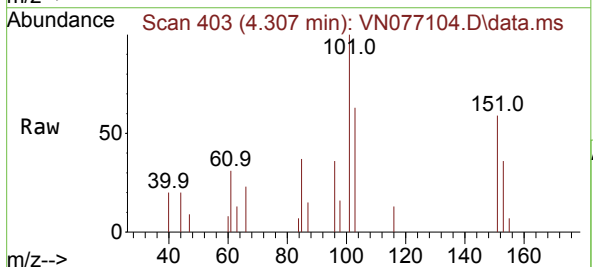
Instrument :
MSVOA_N
ClientSampleId :

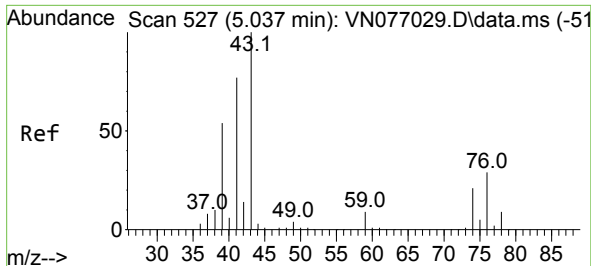
Tgt Ion: 59 Resp: 2222
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 0.419 ug/l
RT: 4.307 min Scan# 403
Delta R.T. -0.047 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Tgt Ion: 96 Resp: 1642
Ion Ratio Lower Upper
96 100
61 61.6 133.8 200.8#
98 44.7 48.6 72.8#

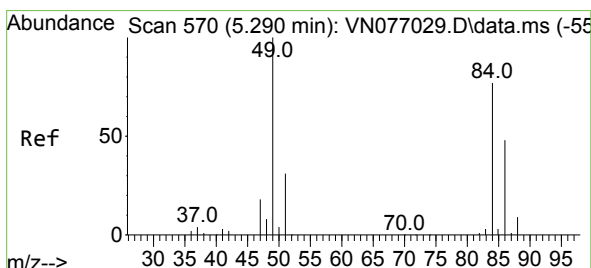
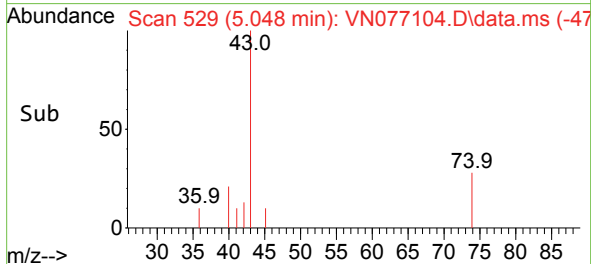
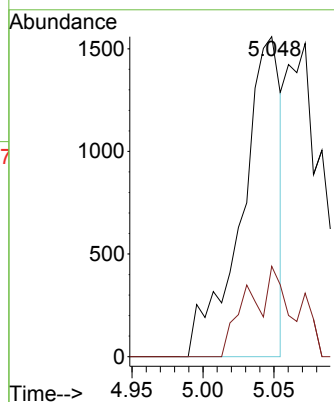
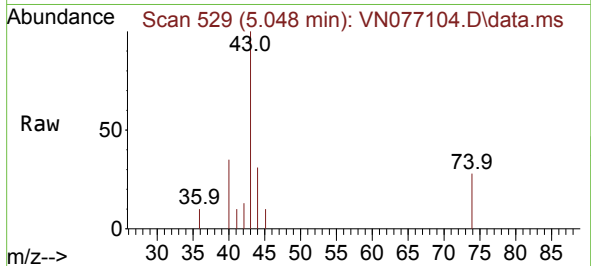




#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

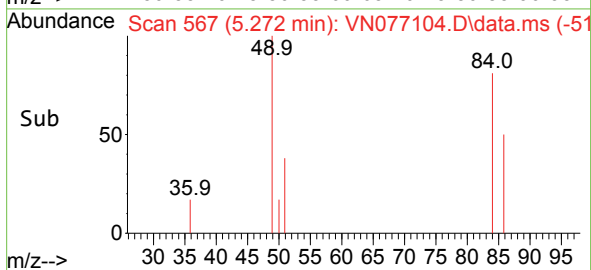
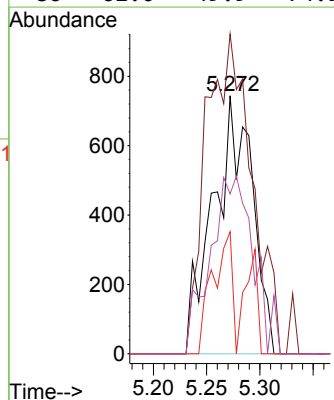
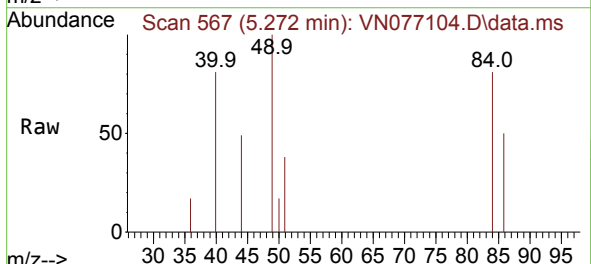
Instrument :
MSVOA_N
ClientSampleId :

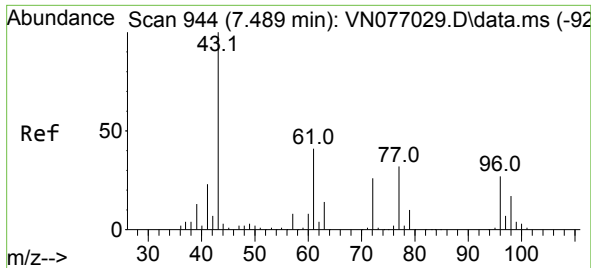
Tgt Ion: 43 Resp: 2989
Ion Ratio Lower Upper
43 100
74 7.3 17.7 26.5#



#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 5.272 min Scan# 567
Delta R.T. -0.018 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Tgt Ion: 84 Resp: 1897
Ion Ratio Lower Upper
84 100
49 123.9 103.8 155.6
51 47.3 32.3 48.5
86 62.0 49.9 74.9

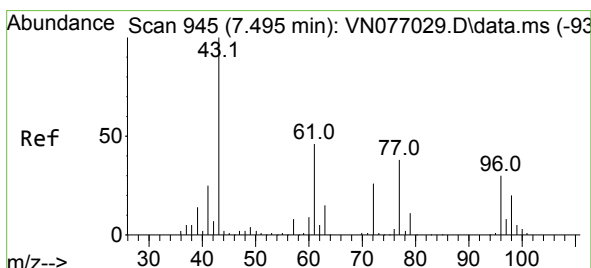
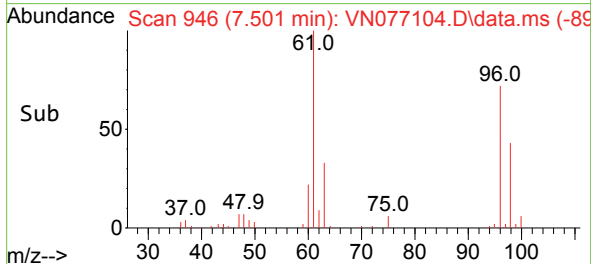
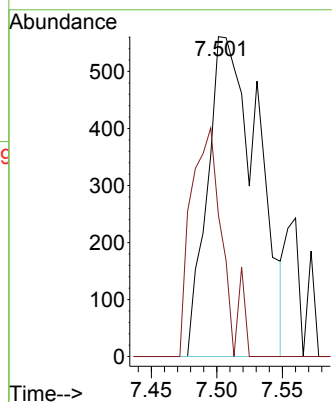
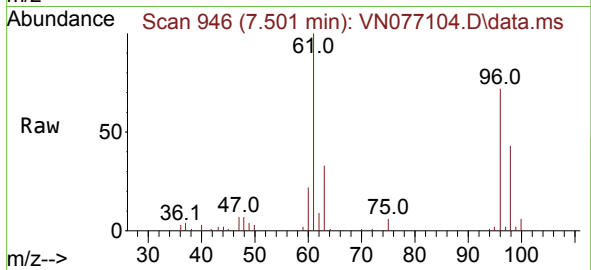




#25
2-Butanone
Concen: 0.448 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

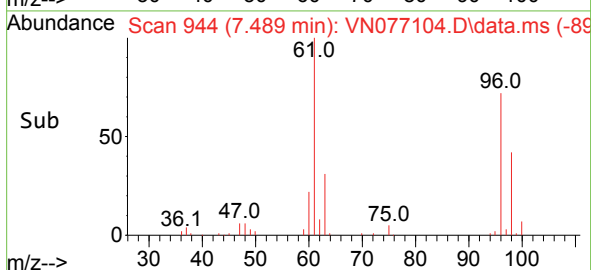
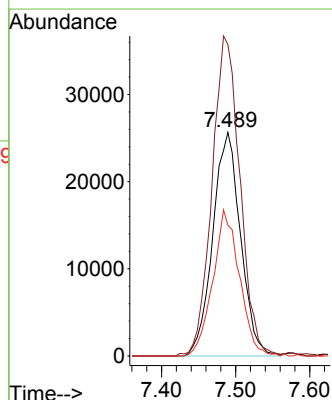
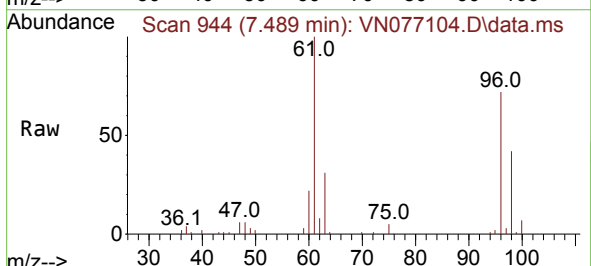
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ClientSampleId :

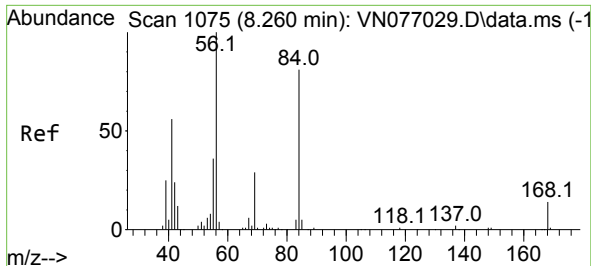
Tgt Ion: 43 Resp: 1505
Ion Ratio Lower Upper
43 100
72 44.2 20.7 31.1#



#27
cis-1,2-Dichloroethene
Concen: 13.719 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

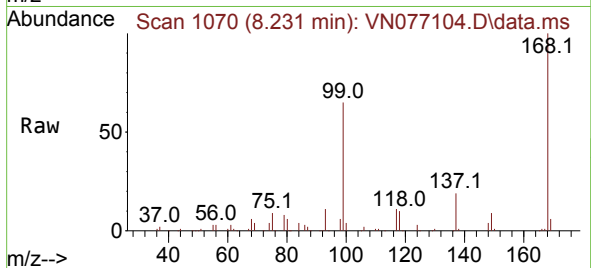
Tgt Ion: 96 Resp: 66678
Ion Ratio Lower Upper
96 100
61 144.0 0.0 315.4
98 62.7 0.0 128.6



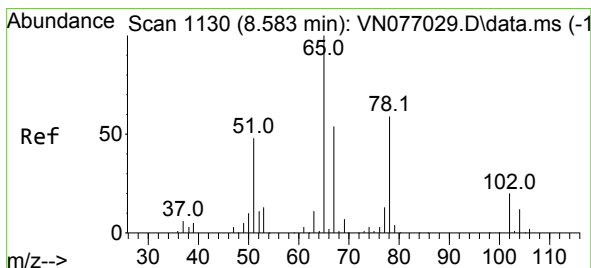
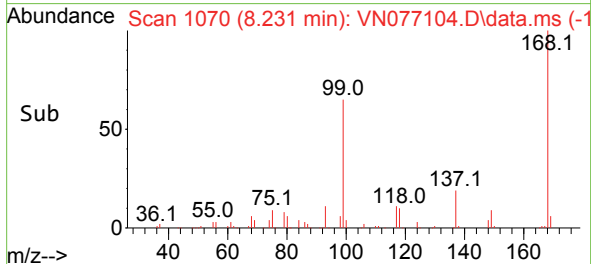
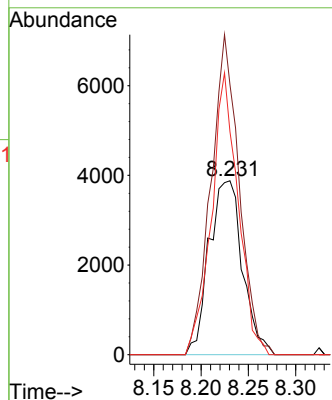


#31
Cyclohexane
Concen: 1.129 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Instrument :
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ClientSampleId :

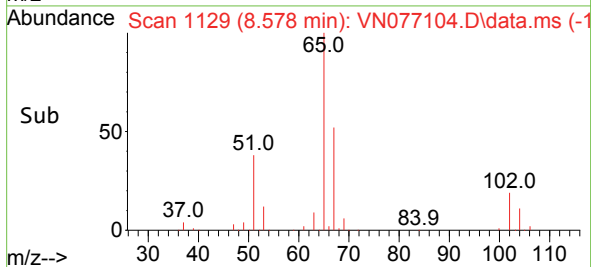
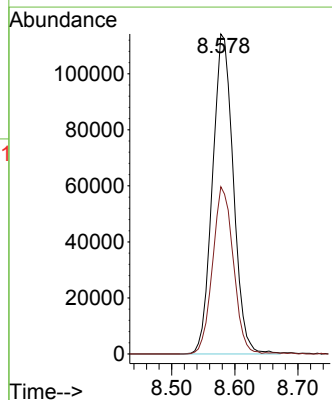
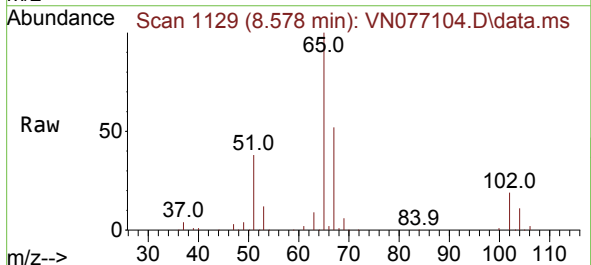


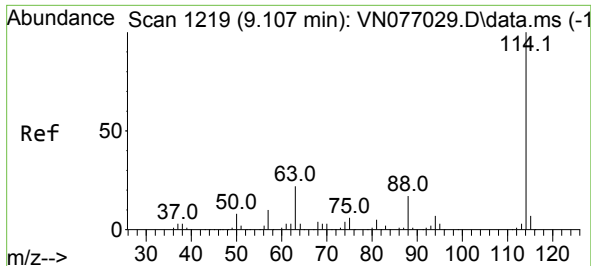
Tgt Ion: 56 Resp: 9517
Ion Ratio Lower Upper
56 100
69 155.2 22.8 34.2#
84 128.2 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 50.816 ug/l
RT: 8.578 min Scan# 1129
Delta R.T. -0.005 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Tgt Ion: 65 Resp: 261756
Ion Ratio Lower Upper
65 100
67 52.0 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: VN077104.D

Acq: 22 Mar 2023 13:41

Instrument :

MSVOA_N

ClientSampleId :

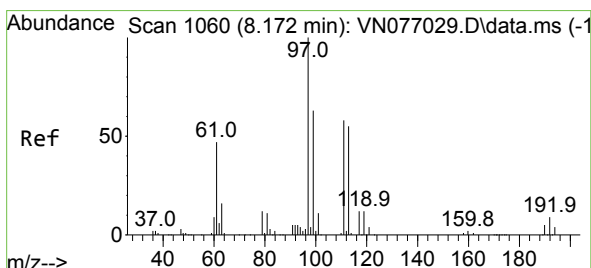
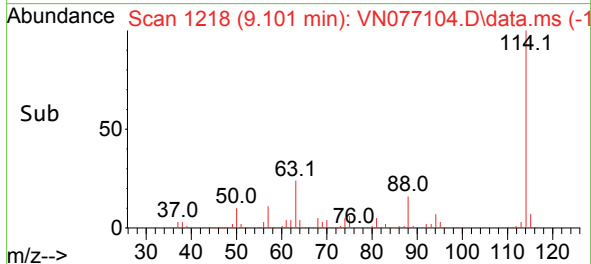
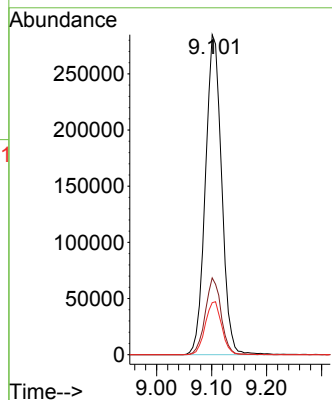
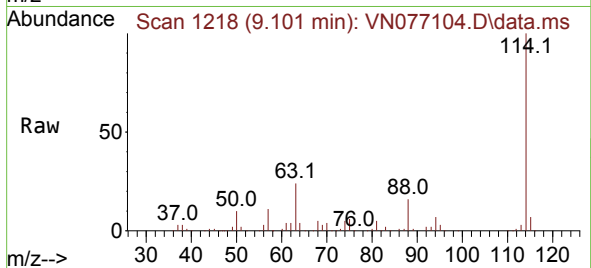
Tgt Ion:114 Resp: 584739

Ion Ratio Lower Upper

114 100

63 24.0 0.0 44.6

88 16.3 0.0 33.8



#35

Dibromofluoromethane

Concen: 45.309 ug/l

RT: 8.166 min Scan# 1059

Delta R.T. -0.006 min

Lab File: VN077104.D

Acq: 22 Mar 2023 13:41

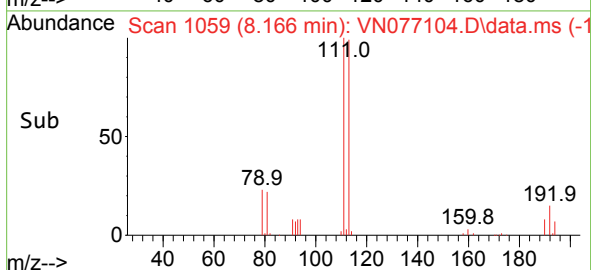
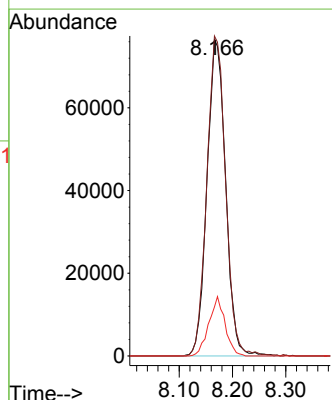
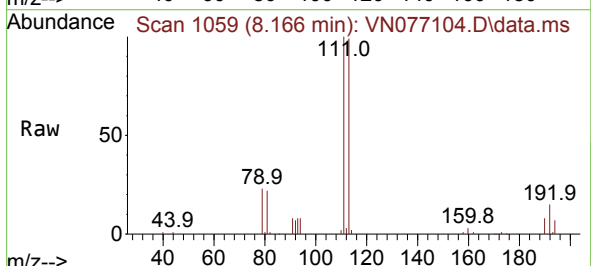
Tgt Ion:113 Resp: 185540

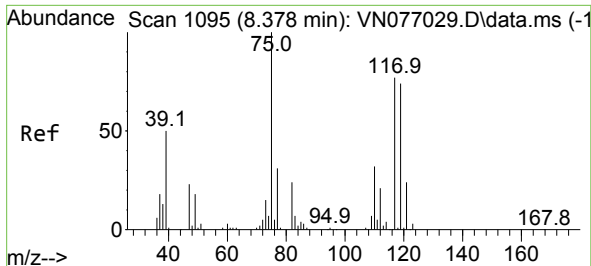
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 16.4 13.0 19.6





#36

1,1-Dichloropropene

Concen: 4.920 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.153 min

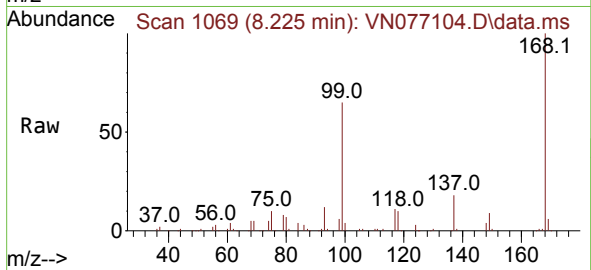
Lab File: VN077104.D

Acq: 22 Mar 2023 13:41

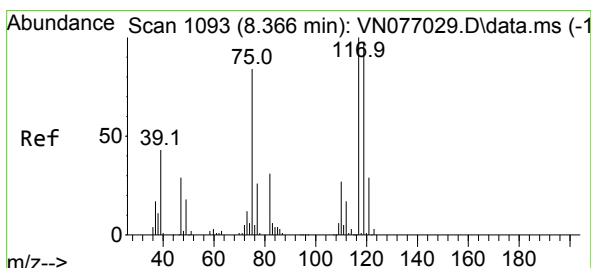
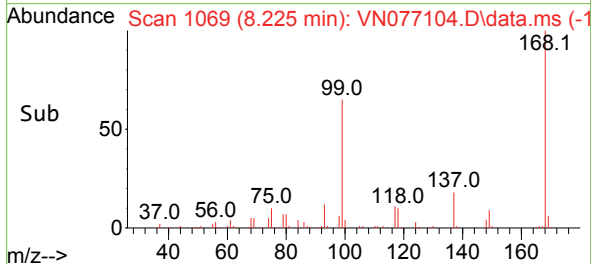
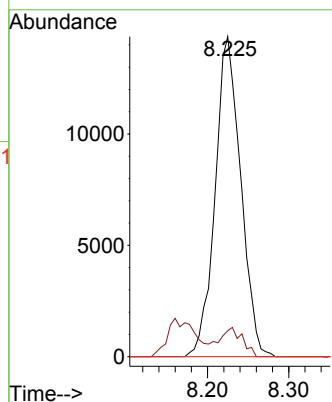
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	31467
Ion Ratio	Lower	Upper	
75	100		
110	8.2	15.9	47.7#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 6.172 ug/l

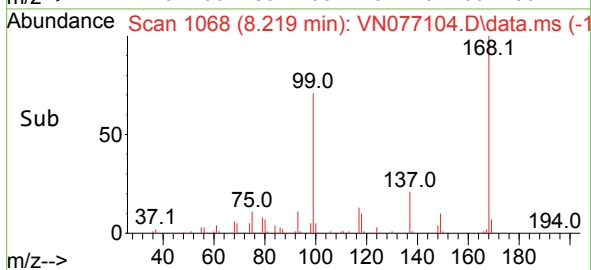
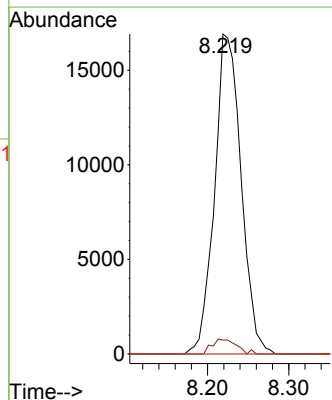
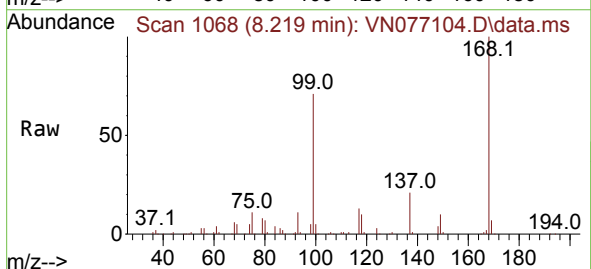
RT: 8.219 min Scan# 1068

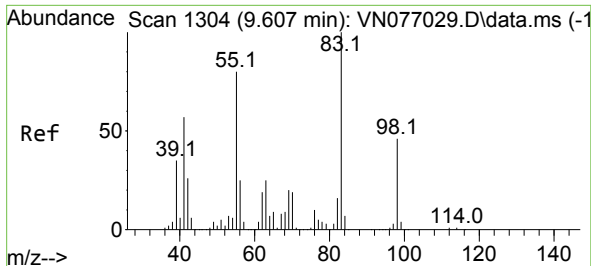
Delta R.T. -0.147 min

Lab File: VN077104.D

Acq: 22 Mar 2023 13:41

Tgt Ion:	117	Resp:	38453
Ion Ratio	Lower	Upper	
117	100		
119	4.3	78.2	117.2#
121	0.0	23.2	34.8#





#39

Methylcyclohexane

Concen: 2.574 ug/l

RT: 9.348 min Scan# 1260

Delta R.T. -0.259 min

Lab File: VN077104.D

Acq: 22 Mar 2023 13:41

Instrument :

MSVOA_N

ClientSampleId :

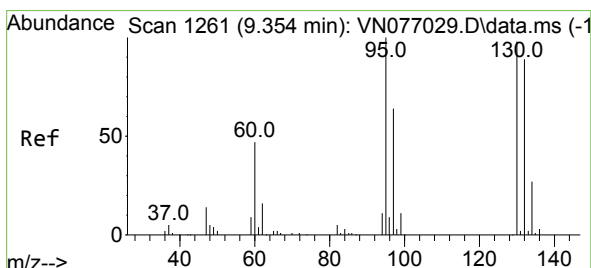
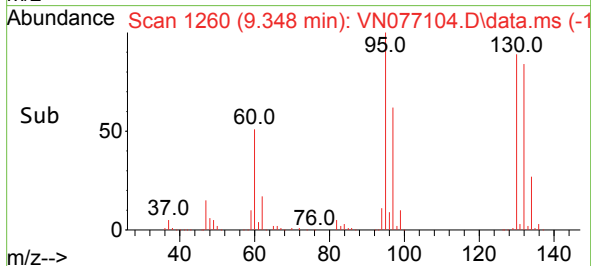
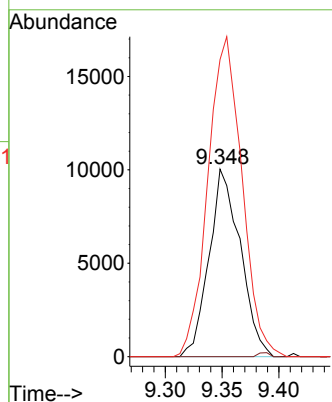
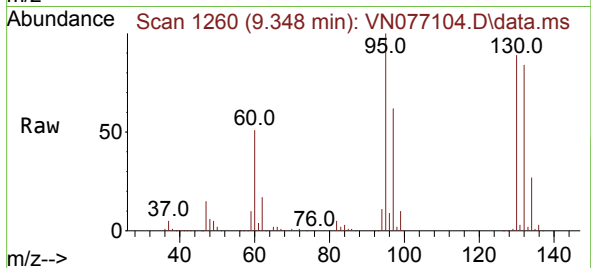
Tgt Ion: 83 Resp: 19273

Ion Ratio Lower Upper

83 100

55 0.0 63.8 95.8#

98 156.8 37.1 55.7#



#44

Trichloroethene

Concen: 294.392 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VN077104.D

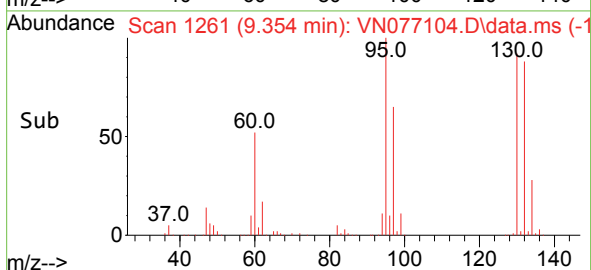
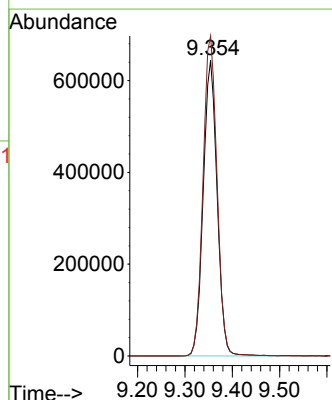
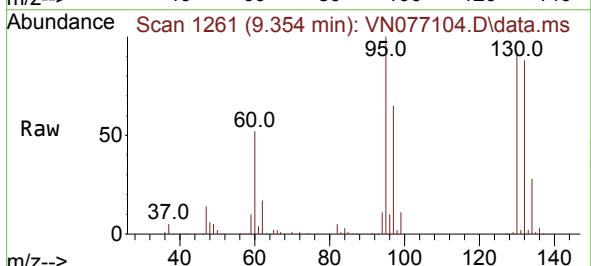
Acq: 22 Mar 2023 13:41

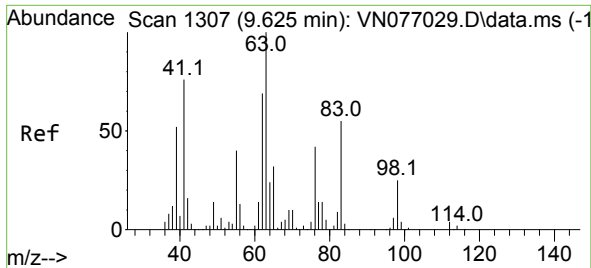
Tgt Ion:130 Resp: 1311684

Ion Ratio Lower Upper

130 100

95 108.2 0.0 204.4





#45

1,2-Dichloropropane

Concen: 0.911 ug/l

RT: 9.354 min Scan# 1

Delta R.T. -0.271 min

Lab File: VN077104.D

Acq: 22 Mar 2023 13:41

Instrument :

MSVOA_N

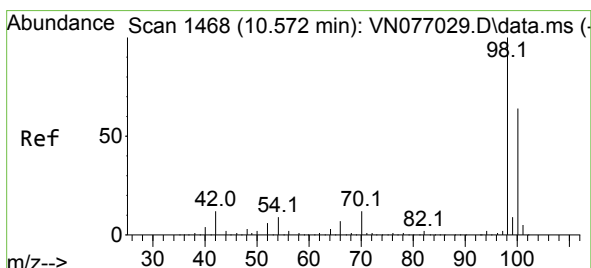
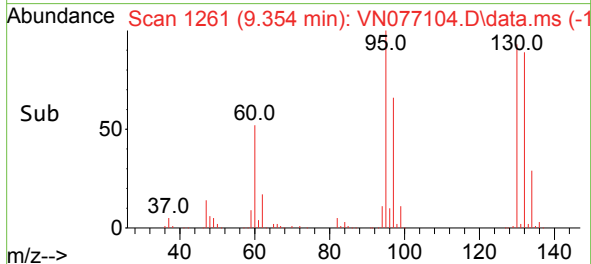
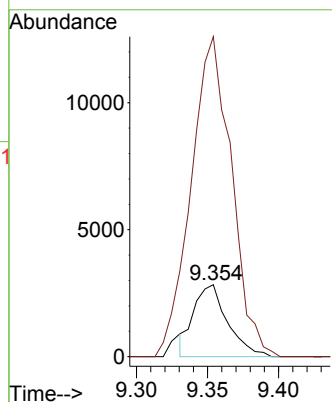
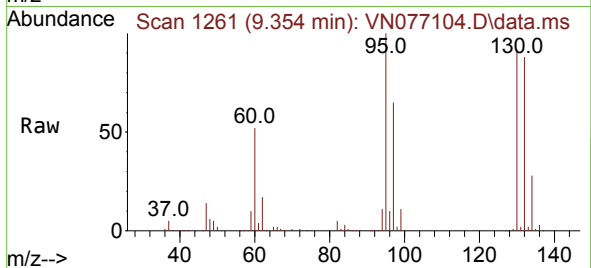
ClientSampleId :

Tgt Ion: 63 Resp: 4693

Ion Ratio Lower Upper

63 100

65 444.4 25.5 38.3#



#50

Toluene-d8

Concen: 49.060 ug/l

RT: 10.566 min Scan# 1467

Delta R.T. -0.006 min

Lab File: VN077104.D

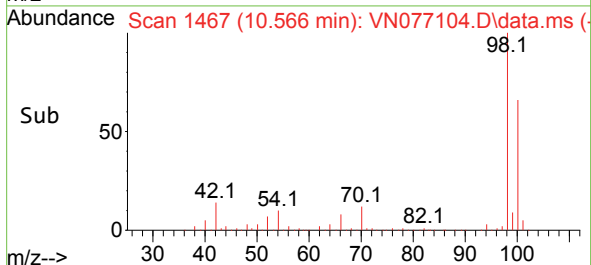
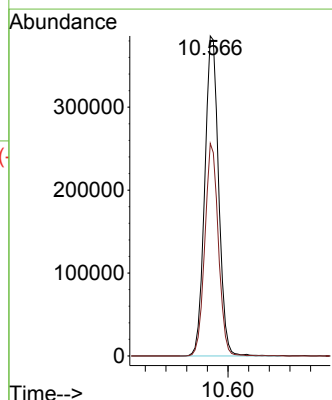
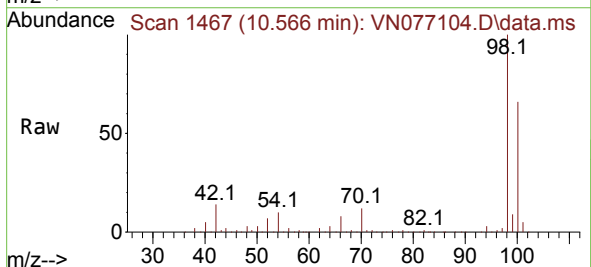
Acq: 22 Mar 2023 13:41

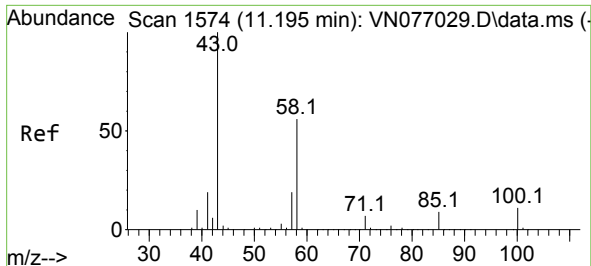
Tgt Ion: 98 Resp: 717645

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4

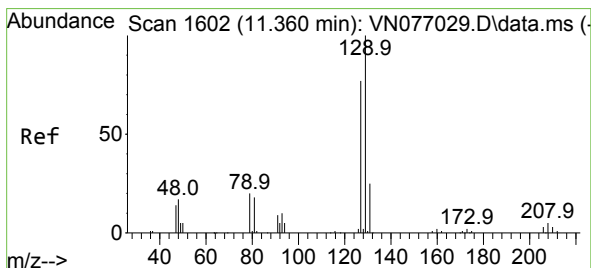
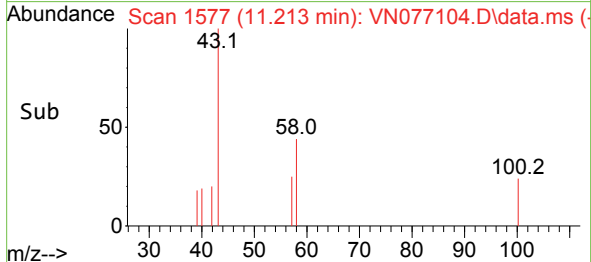
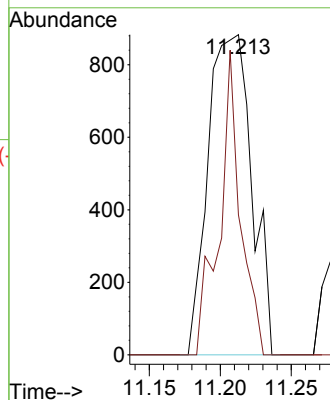
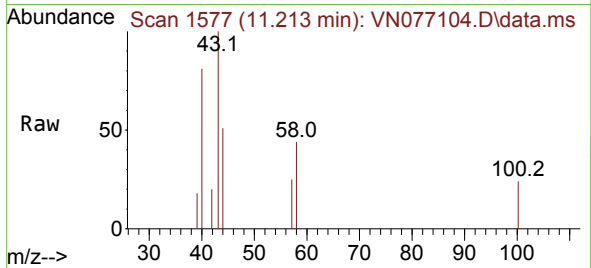




#59
2-Hexanone
Concen: 0.392 ug/l
RT: 11.213 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

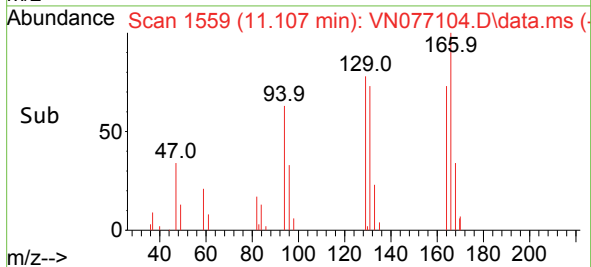
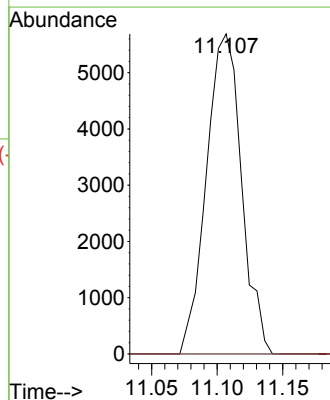
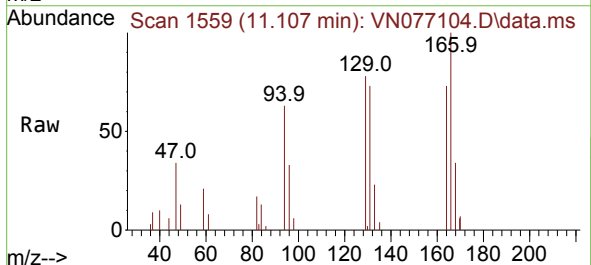
Instrument :
MSVOA_N
ClientSampleId :

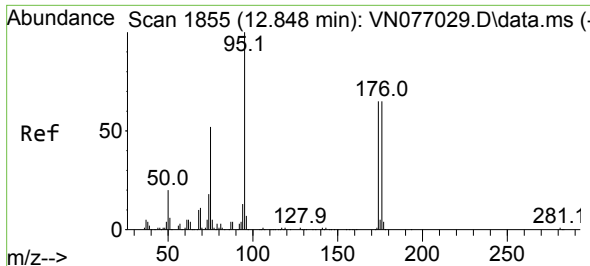
Tgt Ion: 43 Resp: 1893
Ion Ratio Lower Upper
43 100
58 45.9 27.7 83.1



#60
Dibromochloromethane
Concen: 2.316 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.253 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Tgt Ion: 129 Resp: 10626
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

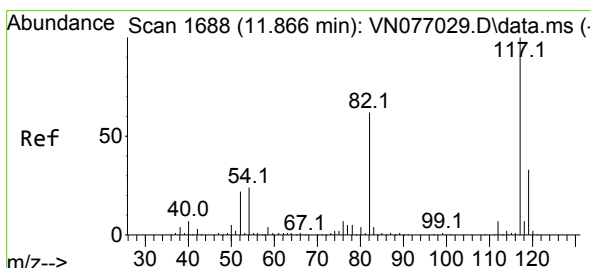
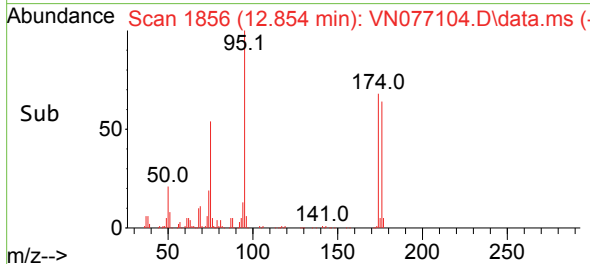
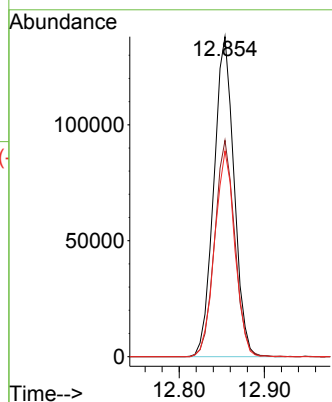
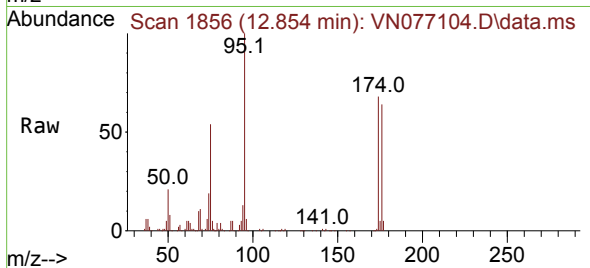




#62
4-Bromofluorobenzene
Concen: 43.984 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

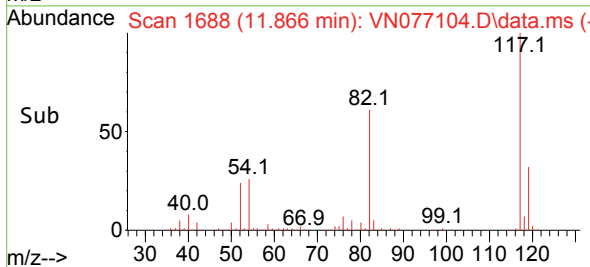
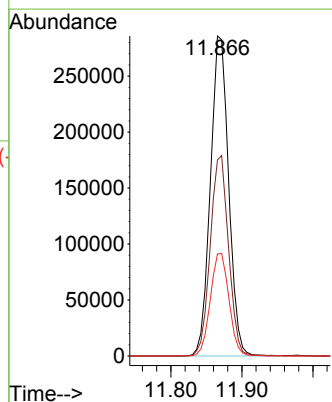
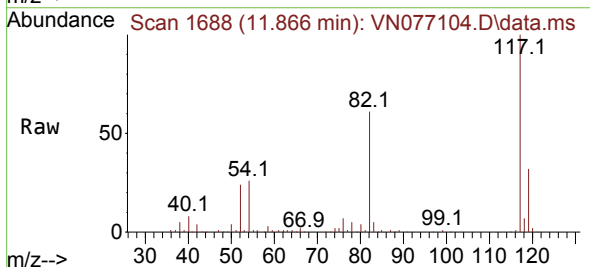
Instrument :
MSVOA_N
ClientSampleId :

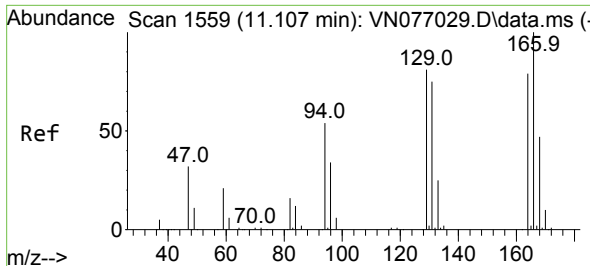
Tgt Ion: 95 Resp: 227351
Ion Ratio Lower Upper
95 100
174 67.3 0.0 136.6
176 64.5 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

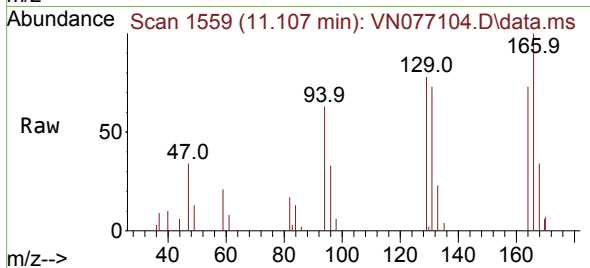
Tgt Ion: 117 Resp: 509574
Ion Ratio Lower Upper
117 100
82 61.3 49.4 74.0
119 31.9 26.5 39.7



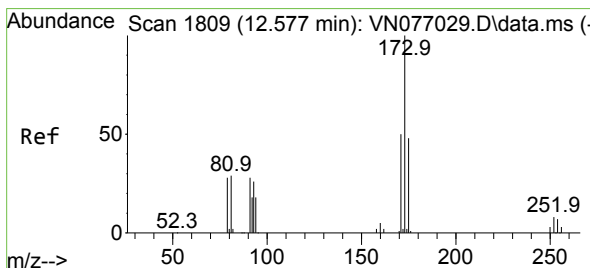
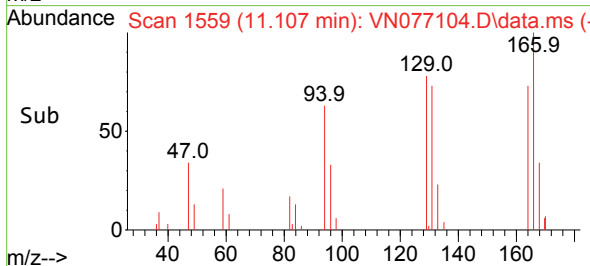
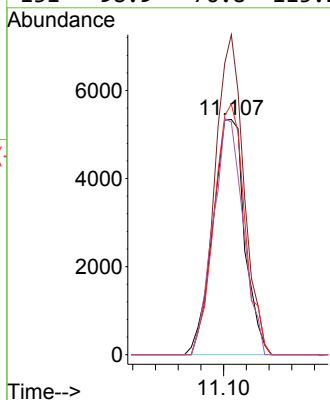


#64
Tetrachloroethene
Concen: 3.027 ug/l
RT: 11.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Instrument :
MSVOA_N
ClientSampleId :

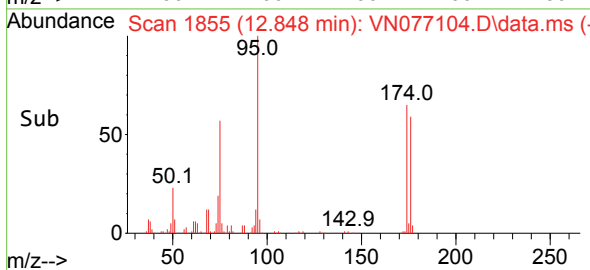
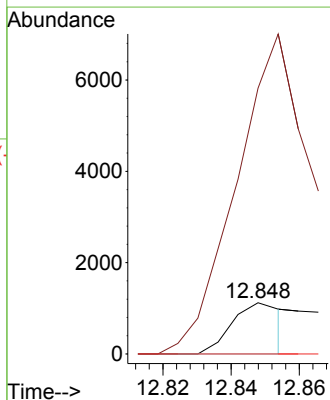
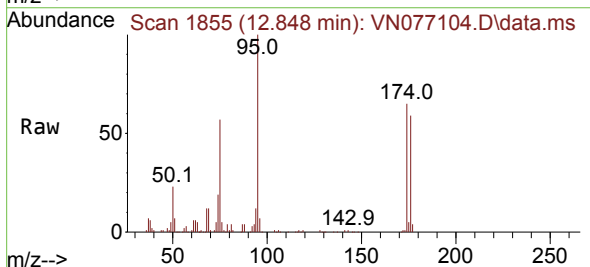


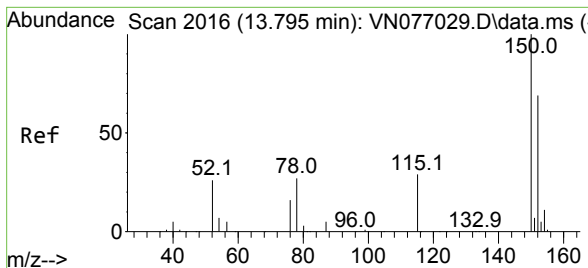
Tgt Ion:164 Resp: 10352
Ion Ratio Lower Upper
164 100
166 136.1 101.9 152.9
129 106.5 82.6 123.8
131 98.9 76.8 115.2



#71
Bromoform
Concen: 0.387 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.271 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Tgt Ion:173 Resp: 1137
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# 20

Delta R.T. -0.000 min

Lab File: VN077104.D

Acq: 22 Mar 2023 13:41

Instrument :

MSVOA_N

ClientSampleId :

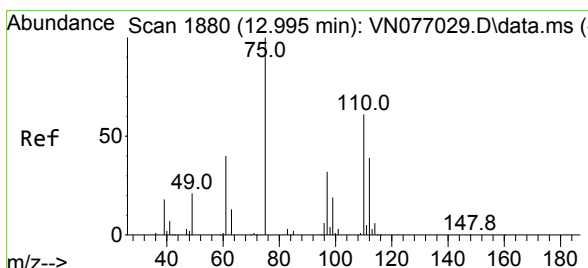
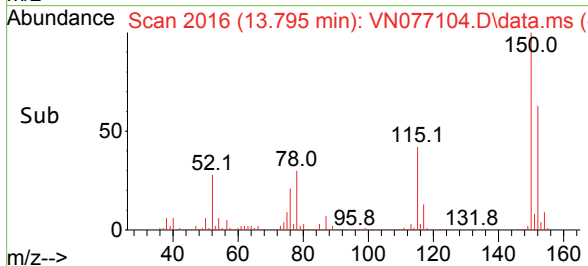
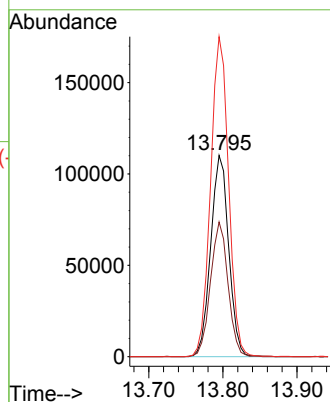
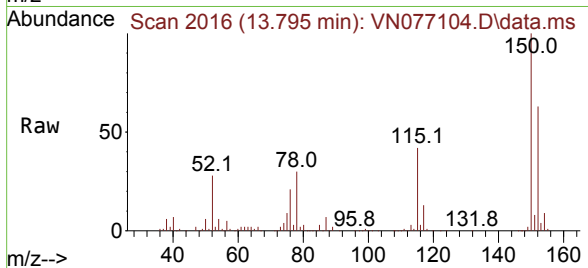
Tgt Ion:152 Resp: 185981

Ion Ratio Lower Upper

152 100

115 65.3 31.9 95.7

150 158.7 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 26.193 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077104.D

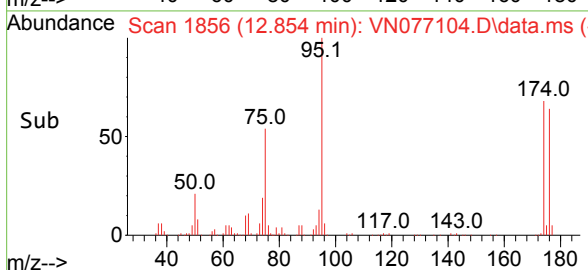
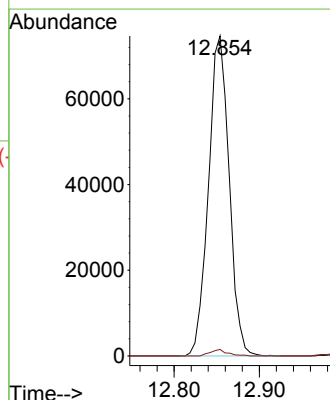
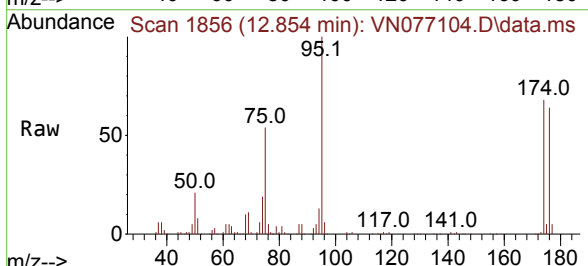
Acq: 22 Mar 2023 13:41

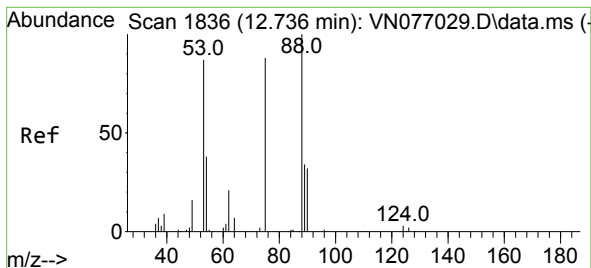
Tgt Ion: 75 Resp: 126004

Ion Ratio Lower Upper

75 100

77 1.7 107.3 322.0#

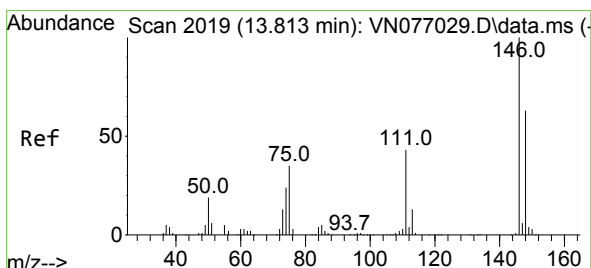
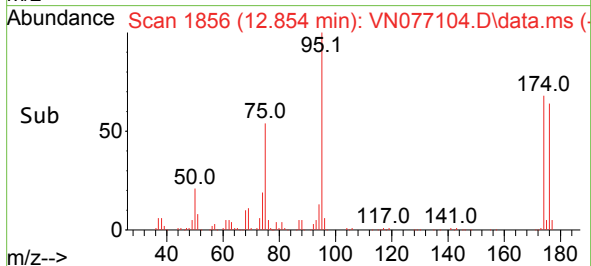
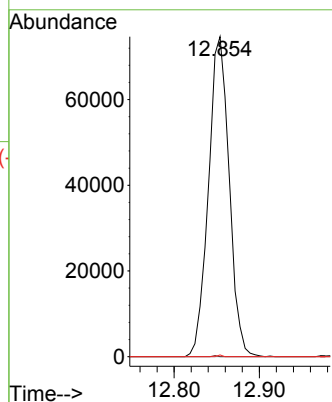
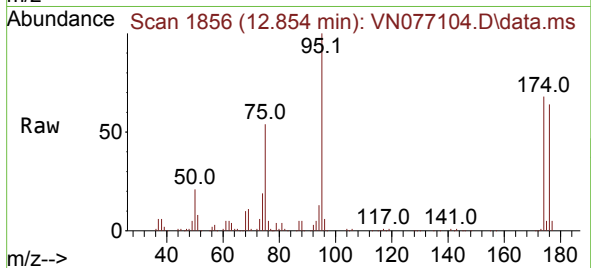




#81
trans-1,4-Dichloro-2-butene
Concen: 72.097 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

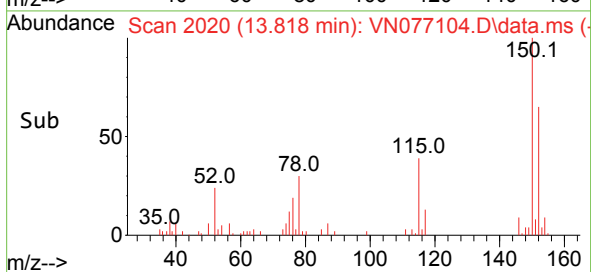
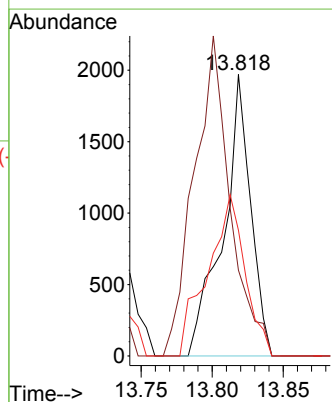
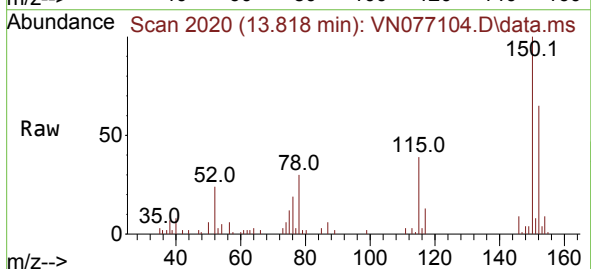
Instrument :
MSVOA_N
ClientSampleId :

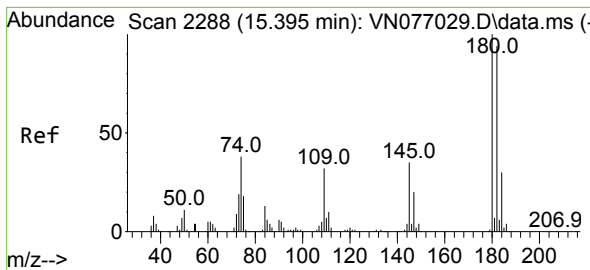
Tgt Ion: 75 Resp: 126004
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.1 34.2 51.4#



#88
1,4-Dichlorobenzene
Concen: 0.378 ug/l
RT: 13.818 min Scan# 2020
Delta R.T. 0.005 min
Lab File: VN077104.D
Acq: 22 Mar 2023 13:41

Tgt Ion:146 Resp: 2655
Ion Ratio Lower Upper
146 100
111 148.5 21.5 64.5#
148 77.4 31.9 95.9





#93

1,2,4-Trichlorobenzene

Concen: 0.299 ug/l

RT: 15.401 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN077104.D

Acq: 22 Mar 2023 13:41

Instrument :

MSVOA_N

ClientSampleId :

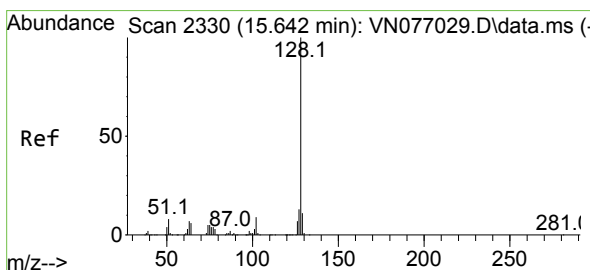
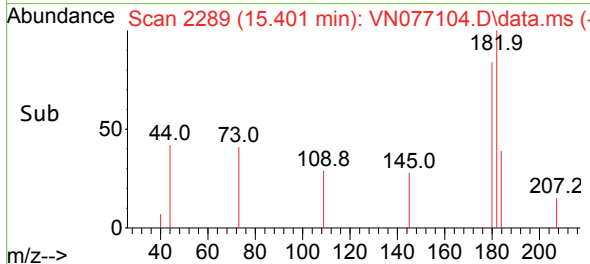
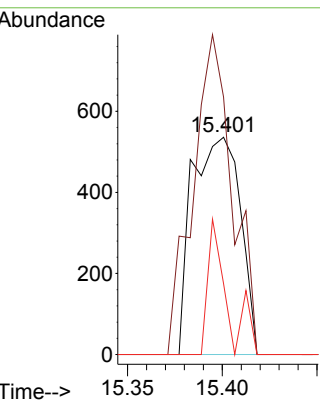
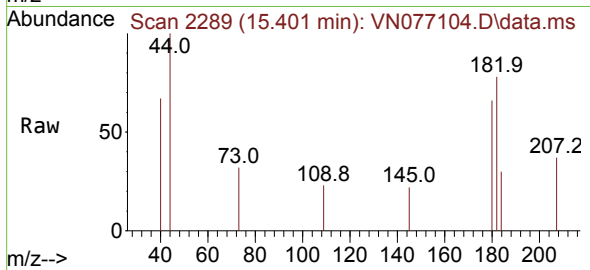
Tgt Ion:180 Resp: 951

Ion Ratio Lower Upper

180 100

182 120.5 47.3 141.9

145 24.7 16.9 50.7



#95

Naphthalene

Concen: 2.217 ug/l

RT: 15.636 min Scan# 2329

Delta R.T. -0.006 min

Lab File: VN077104.D

Acq: 22 Mar 2023 13:41

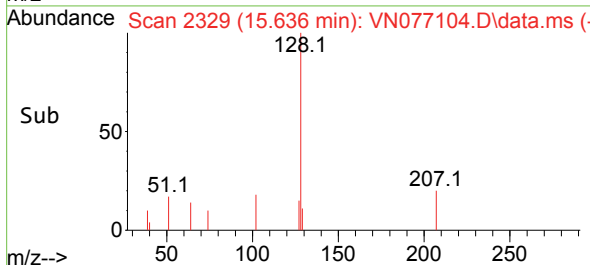
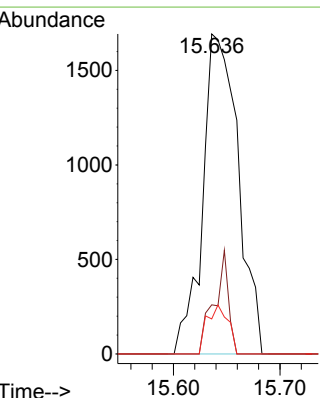
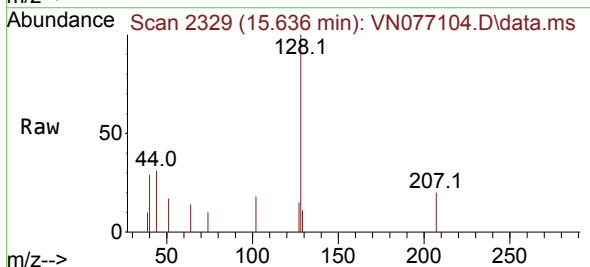
Tgt Ion:128 Resp: 3915

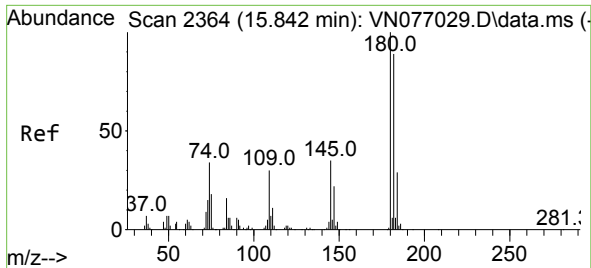
Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

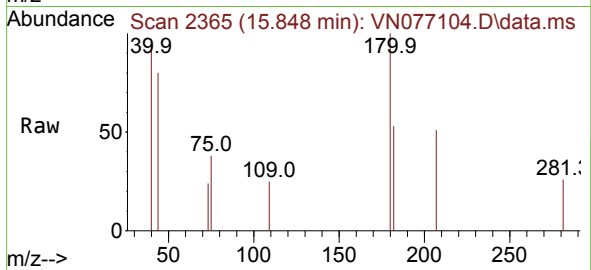
129 9.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.353 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077104.D
 Acq: 22 Mar 2023 13:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	5.7	17.9	53.8#

