

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077039.D
 Acq On : 17 Mar 2023 17:45
 Operator : JC\MD
 Sample : 01941-03 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D-20230313

Quant Time: Mar 18 02:32:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

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

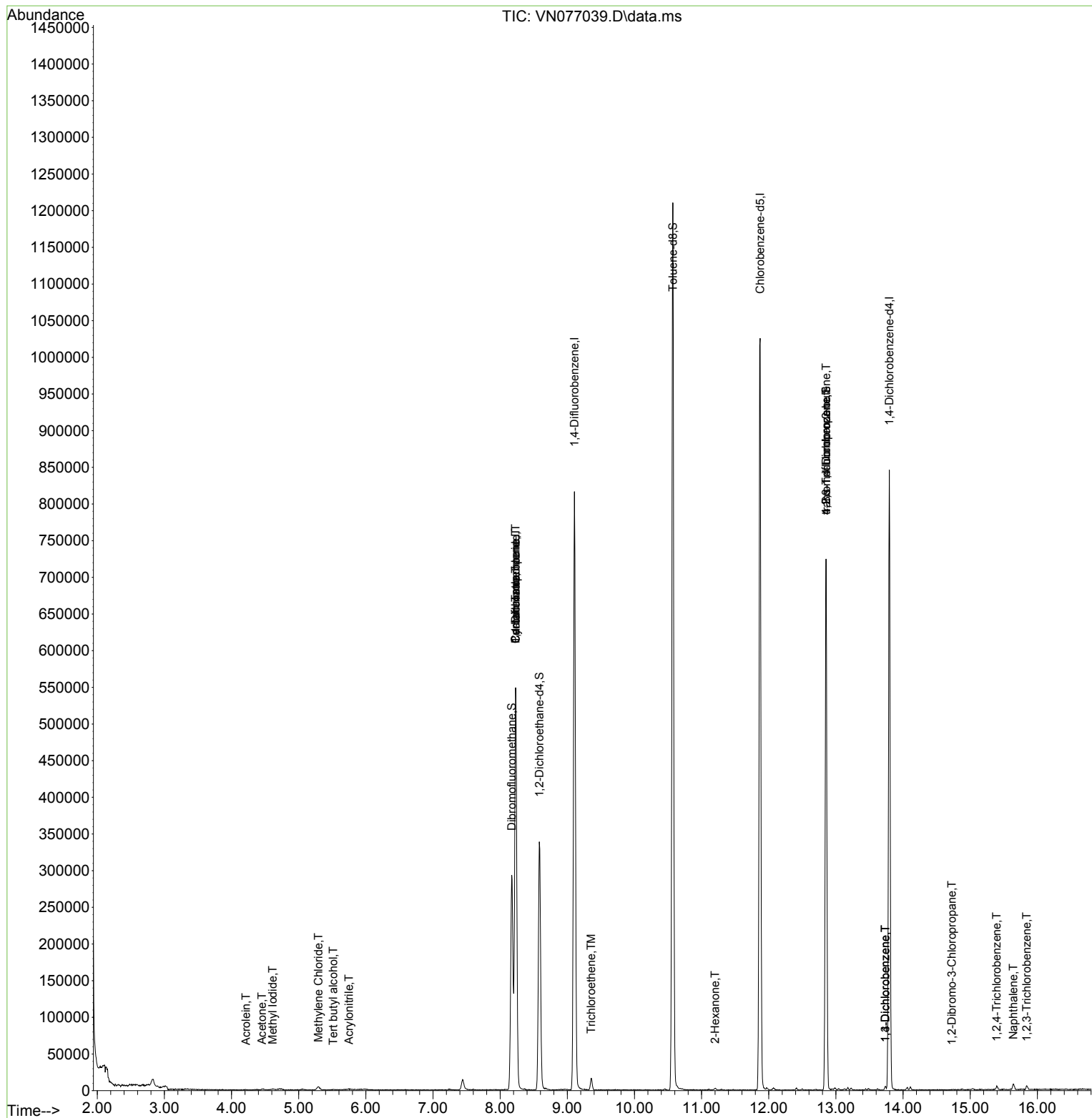
Internal Standards						
1) Pentafluorobenzene	8.230	168	374588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	677454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	584947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	220507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	282359	47.191	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.380%		
35) Dibromofluoromethane	8.172	113	216192	45.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.140%		
50) Toluene-d8	10.571	98	826200	48.751	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.854	95	262367	43.811	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.620%		
Target Compounds						Qvalue
10) Methyl Iodide	4.613	142	1420	0.254	ug/l #	82
11) Tert butyl alcohol	5.513	59	241	0.276	ug/l #	72
13) Acrolein	4.213	56	610	0.566	ug/l #	53
15) Acrylonitrile	5.748	53	855	0.292	ug/l #	86
16) Acetone	4.454	43	2137	0.802	ug/l	99
20) Methylene Chloride	5.295	84	3357	0.580	ug/l #	87
31) Cyclohexane	8.230	56	9710	0.992	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	36727	4.956	ug/l #	51
38) Carbon Tetrachloride	8.230	117	42488	5.887	ug/l #	16
44) Trichloroethene	9.354	130	5666	1.098	ug/l	99
59) 2-Hexanone	11.201	43	2325	0.416	ug/l	90
76) 1,2,3-Trichloropropane	12.854	75	138978	24.366	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	138978	67.070	ug/l #	10
87) 1,3-Dichlorobenzene	13.736	146	1720	0.206	ug/l	96
88) 1,4-Dichlorobenzene	13.736	146	1720	0.207	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.724	75	295	0.222	ug/l #	20
93) 1,2,4-Trichlorobenzene	15.395	180	1890	0.501	ug/l	88
95) Naphthalene	15.642	128	8177	2.449	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.842	180	2327	0.615	ug/l	83

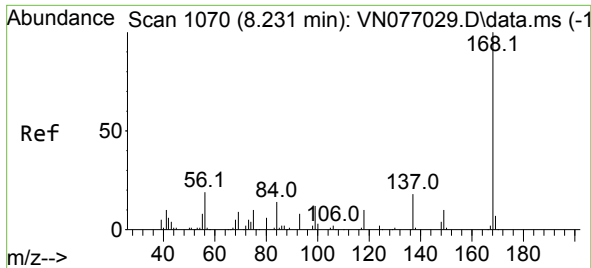
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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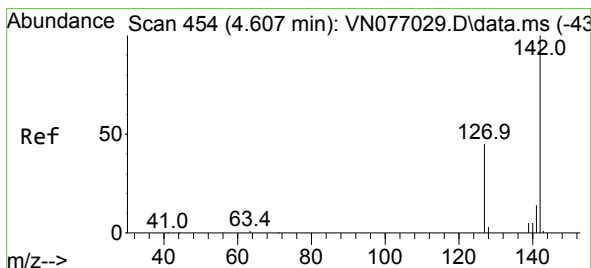
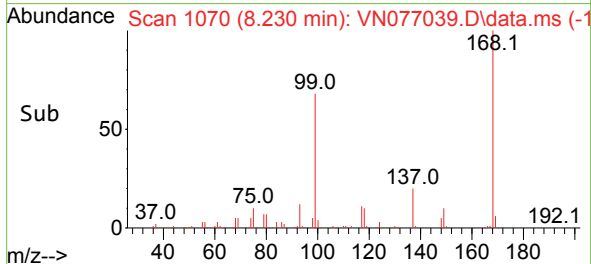
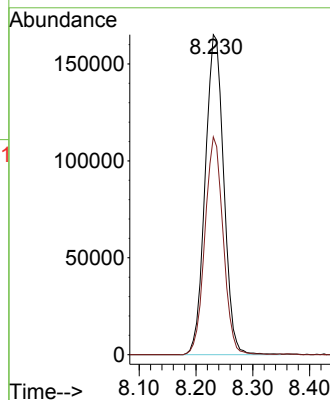
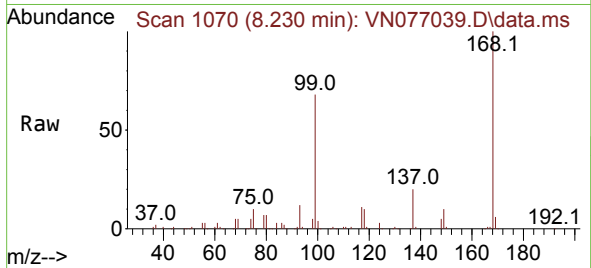




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

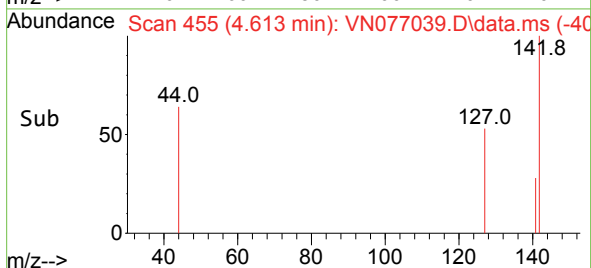
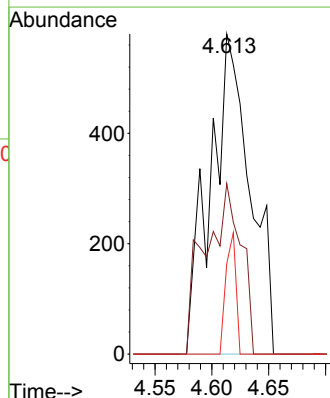
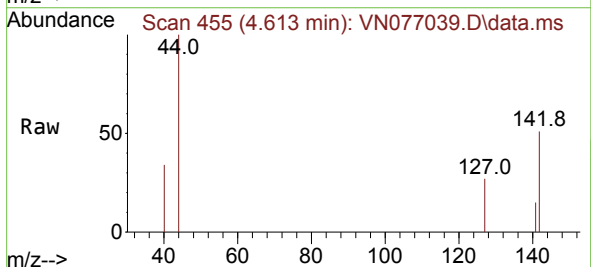
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

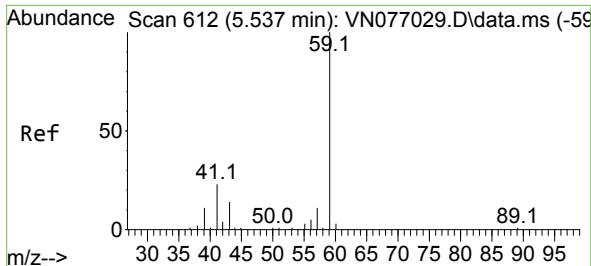
Tgt Ion:168 Resp: 374588
Ion Ratio Lower Upper
168 100
99 68.0 53.9 80.9



#10
Methyl Iodide
Concen: 0.254 ug/l
RT: 4.613 min Scan# 455
Delta R.T. 0.006 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion:142 Resp: 1420
Ion Ratio Lower Upper
142 100
127 53.3 36.1 54.1
141 28.3 10.8 16.2#

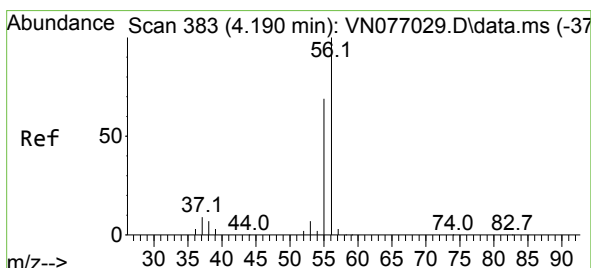
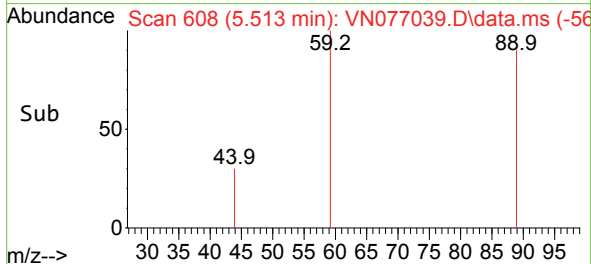
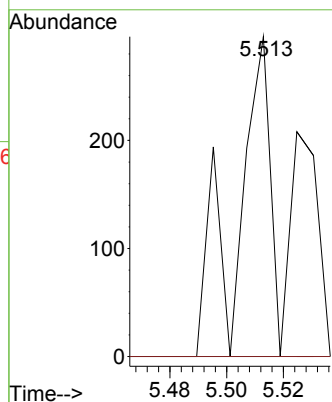
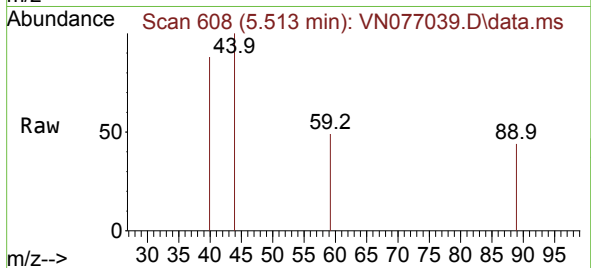




#11
Tert butyl alcohol
Concen: 0.276 ug/l
RT: 5.513 min Scan# 612
Delta R.T. -0.024 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

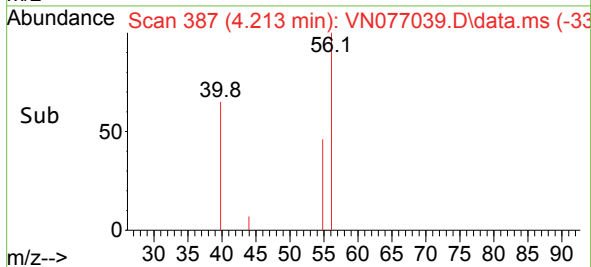
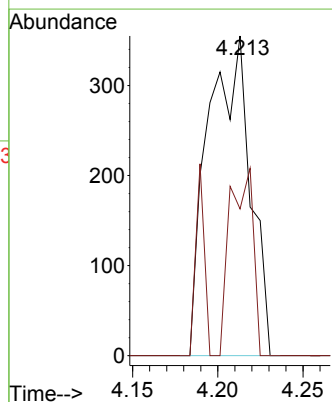
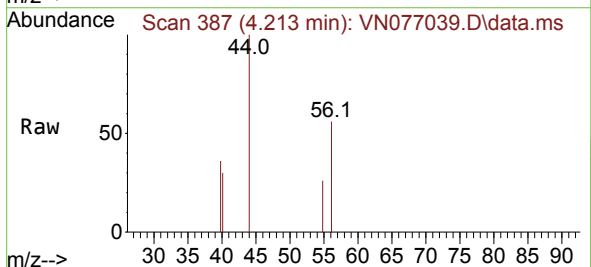
Instrument :
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ClientSampleId :
TT180D-20230313

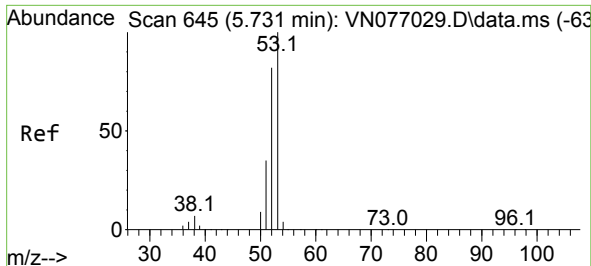
Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.566 ug/l
RT: 4.213 min Scan# 387
Delta R.T. 0.023 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion: 56 Resp: 610
Ion Ratio Lower Upper
56 100
55 32.3 57.0 85.6#

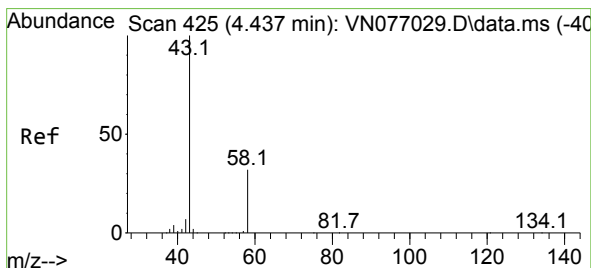
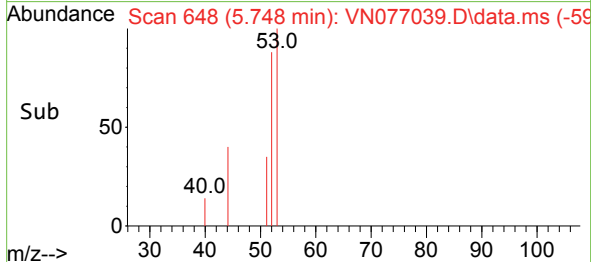
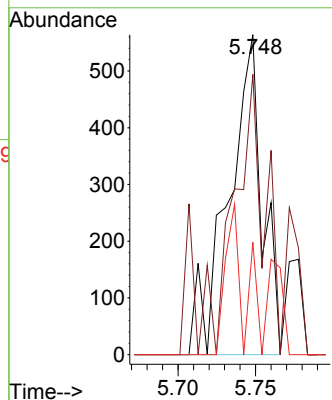
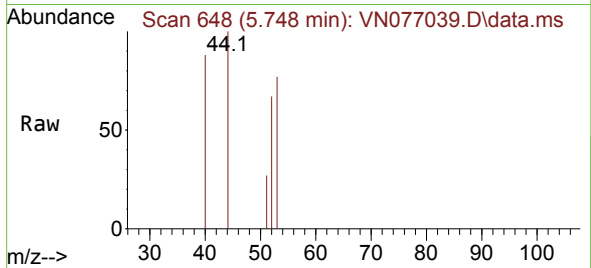




#15
Acrylonitrile
Concen: 0.292 ug/l
RT: 5.748 min Scan# 645
Delta R.T. 0.018 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

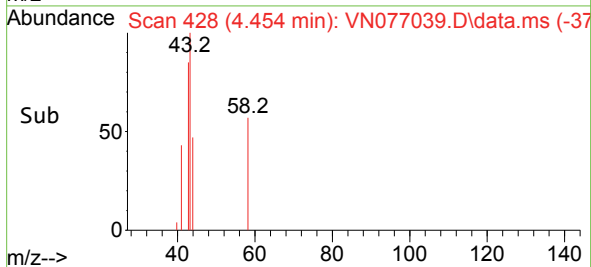
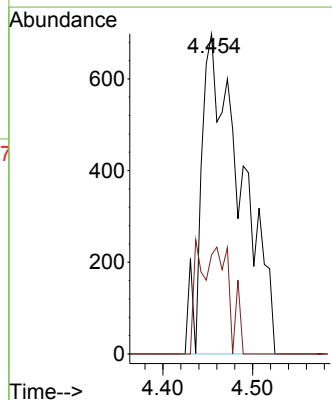
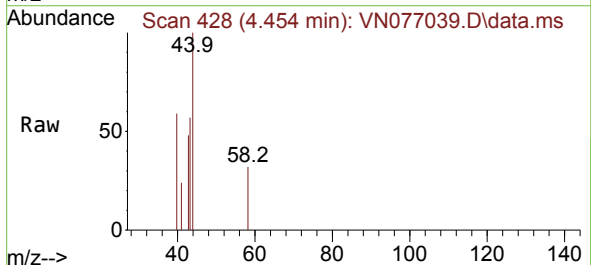
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

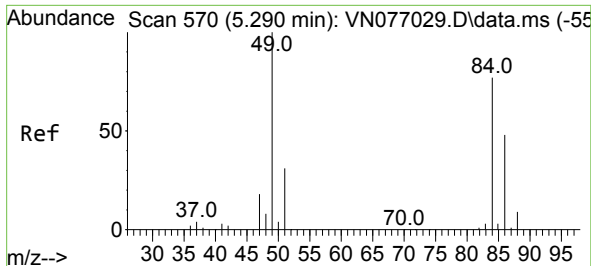
Tgt Ion: 53 Resp: 855
Ion Ratio Lower Upper
53 100
52 75.2 64.6 97.0
51 17.9 28.3 42.5#



#16
Acetone
Concen: 0.802 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion: 43 Resp: 2137
Ion Ratio Lower Upper
43 100
58 30.9 25.4 38.0

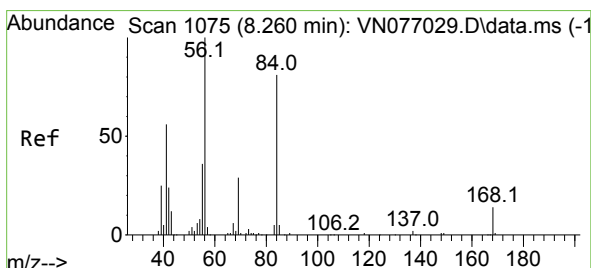
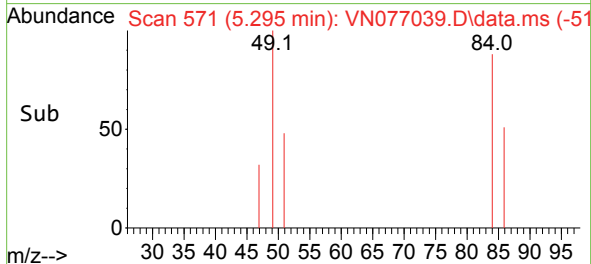
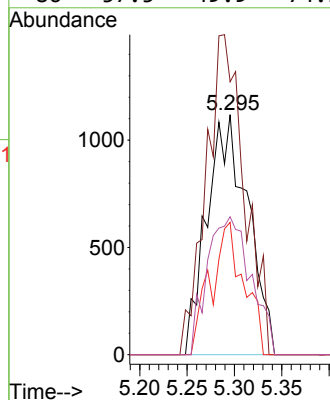
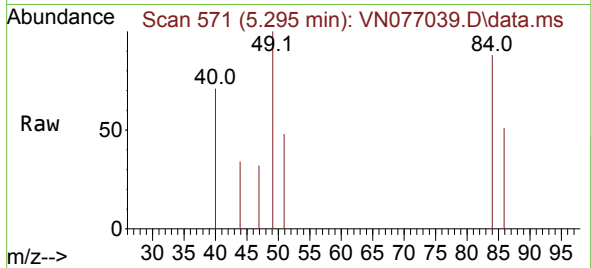




#20
Methylene Chloride
Concen: 0.580 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

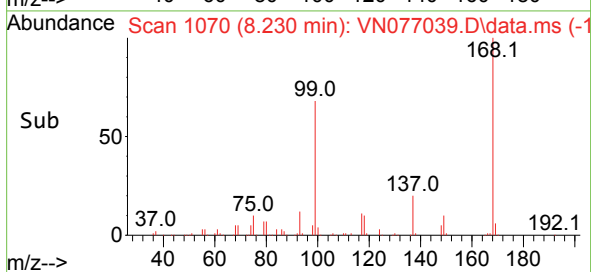
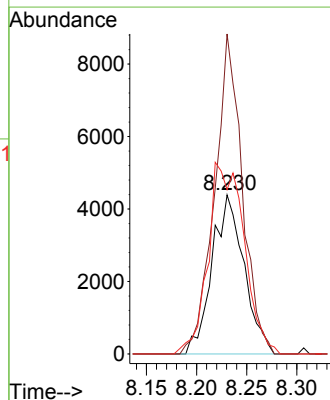
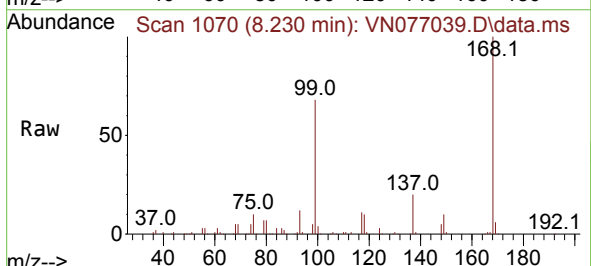
Instrument :
MSVOA_N
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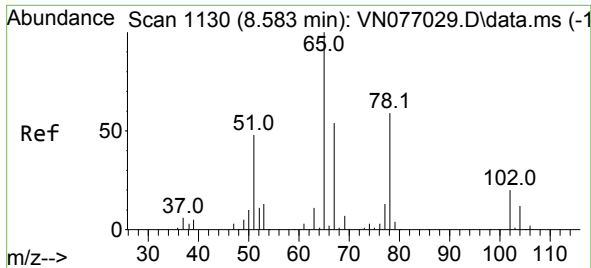
Tgt Ion:	84	Resp:	3357
Ion	Ratio	Lower	Upper
84	100		
49	113.8	103.8	155.6
51	55.1	32.3	48.5#
86	57.5	49.9	74.9



#31
Cyclohexane
Concen: 0.992 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.030 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion:	56	Resp:	9710
Ion	Ratio	Lower	Upper
56	100		
69	201.1	22.8	34.2#
84	103.3	64.7	97.1#

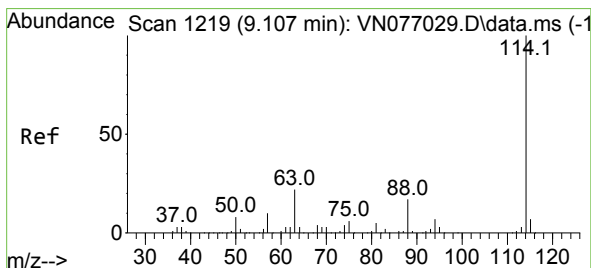
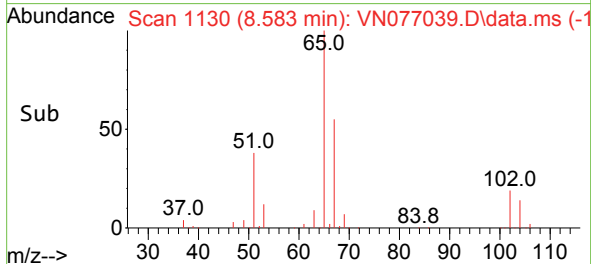
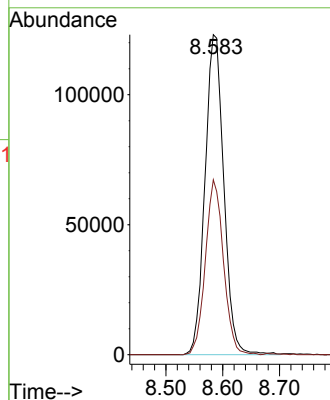
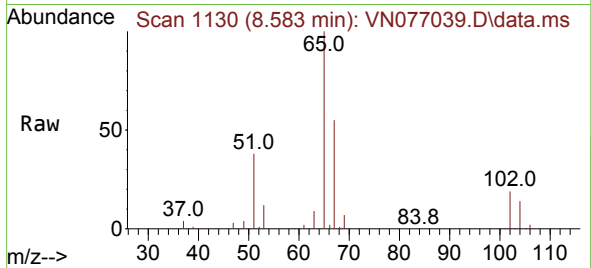




#33
 1,2-Dichloroethane-d4
 Concen: 47.191 ug/l
 RT: 8.583 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VN077039.D
 Acq: 17 Mar 2023 17:45

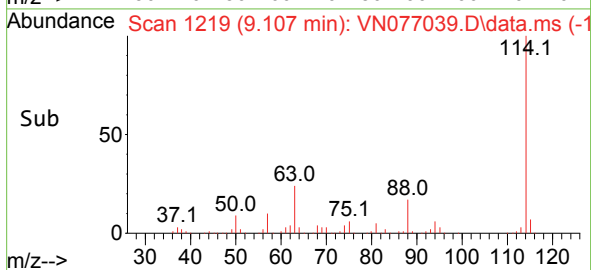
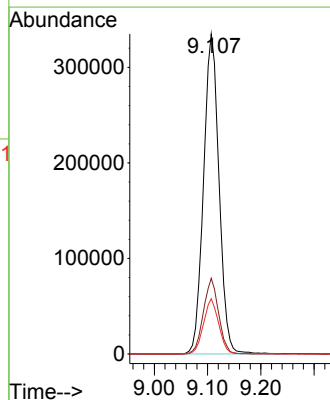
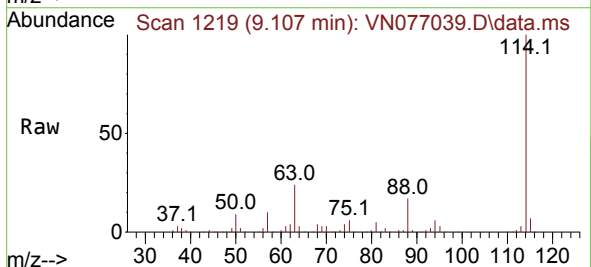
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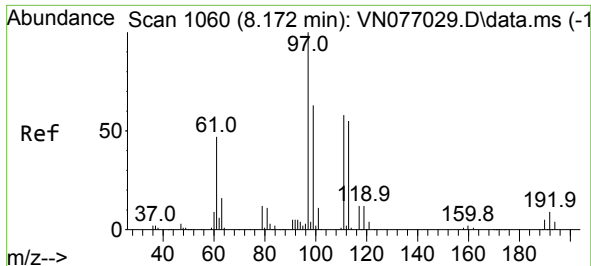
Tgt Ion: 65 Resp: 282359
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. -0.000 min
 Lab File: VN077039.D
 Acq: 17 Mar 2023 17:45

Tgt Ion: 114 Resp: 677454
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 44.6
 88 17.2 0.0 33.8

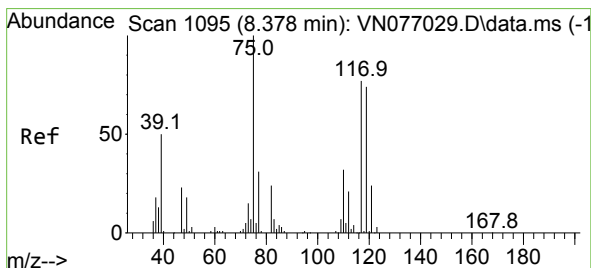
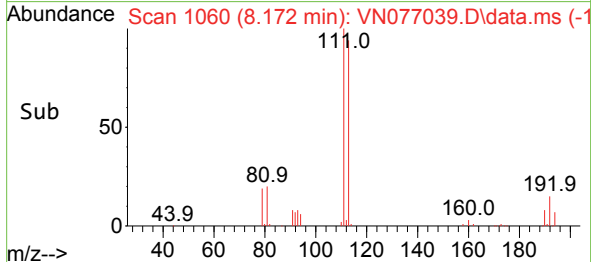
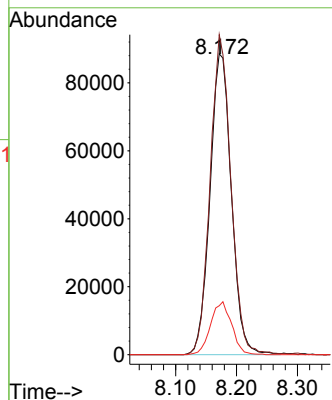
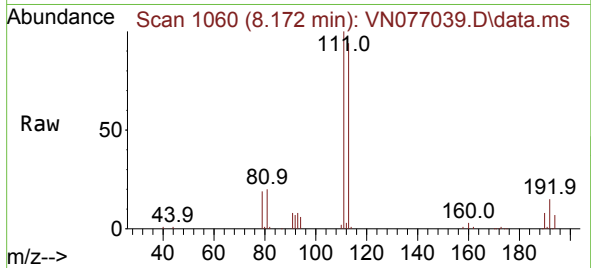




#35
Dibromofluoromethane
Concen: 45.569 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

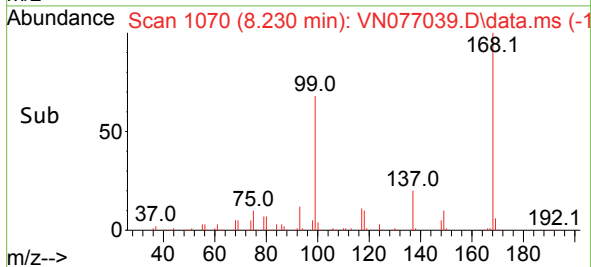
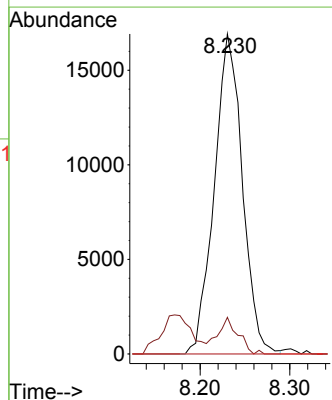
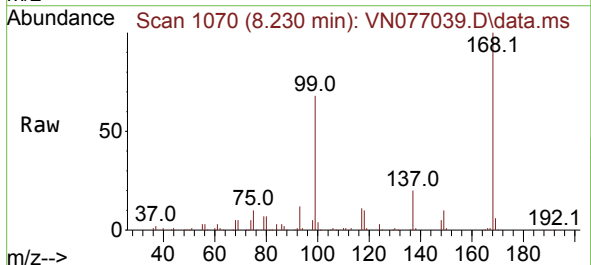
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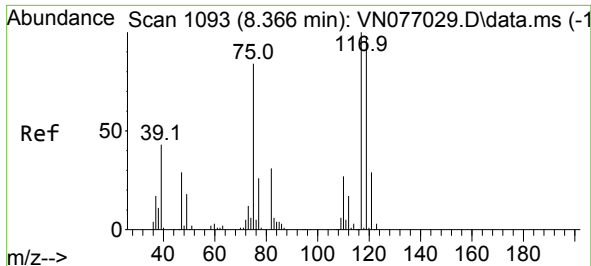
Tgt Ion:113 Resp: 216192
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 17.4 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion: 75 Resp: 36727
Ion Ratio Lower Upper
75 100
110 8.3 15.9 47.7#
77 0.0 24.3 36.5#

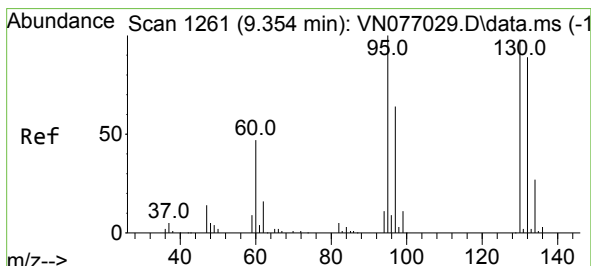
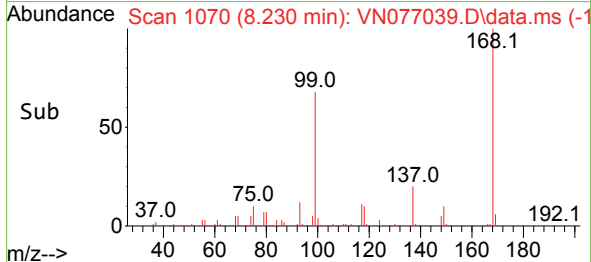
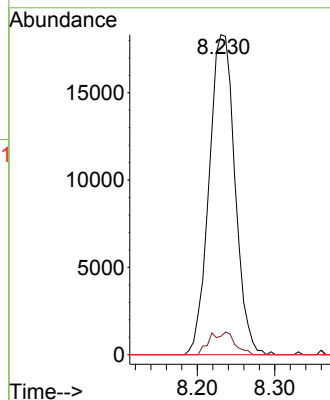
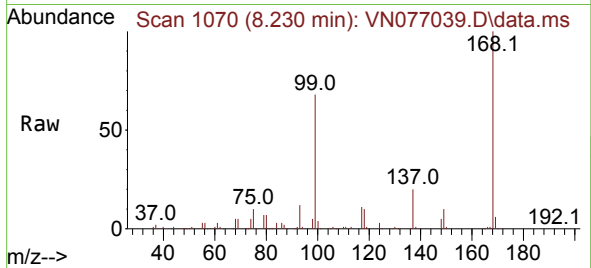




#38
Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 8.230 min Scan# 1093
Delta R.T. -0.135 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

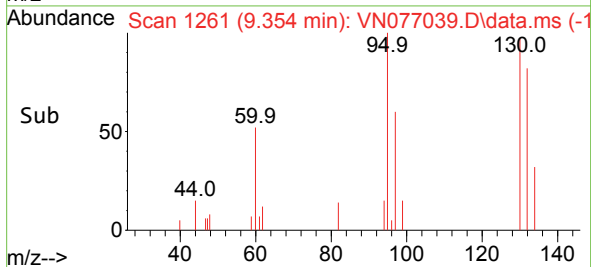
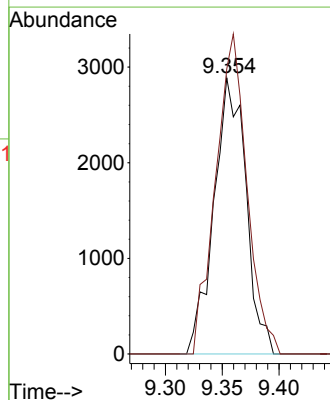
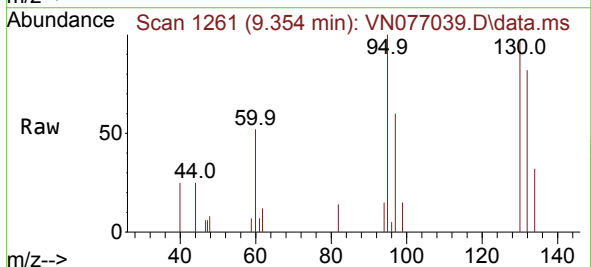
Instrument :
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ClientSampleId :
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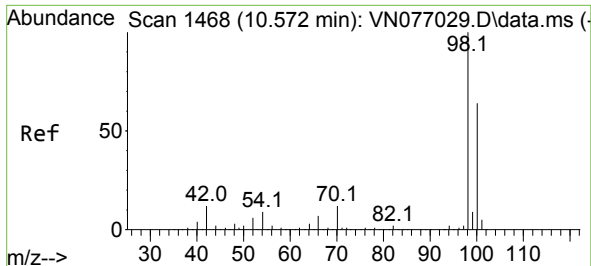
Tgt Ion:117 Resp: 42488
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 23.2 34.8#



#44
Trichloroethene
Concen: 1.098 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion:130 Resp: 5666
Ion Ratio Lower Upper
130 100
95 103.3 0.0 204.4

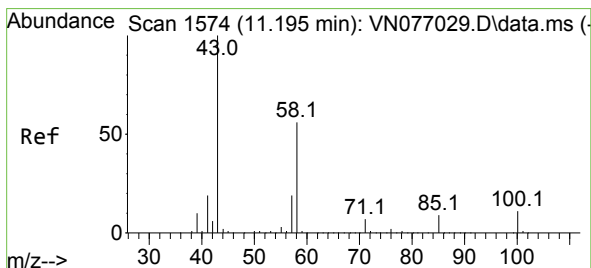
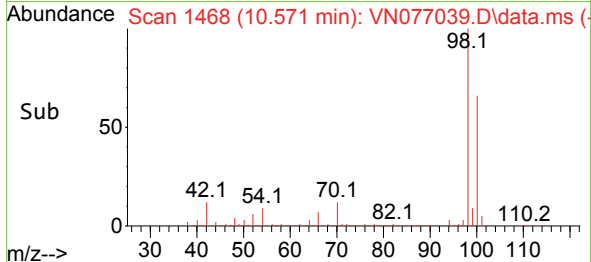
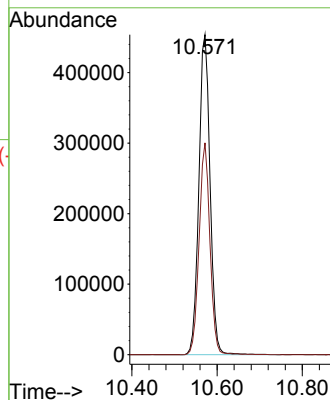
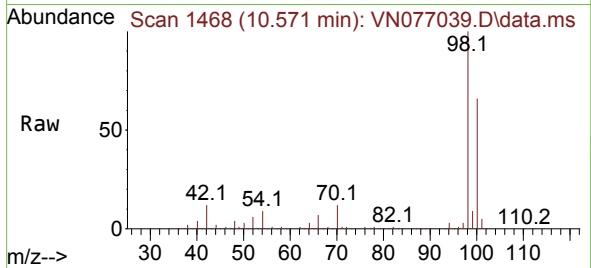




#50
Toluene-d8
Concen: 48.751 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

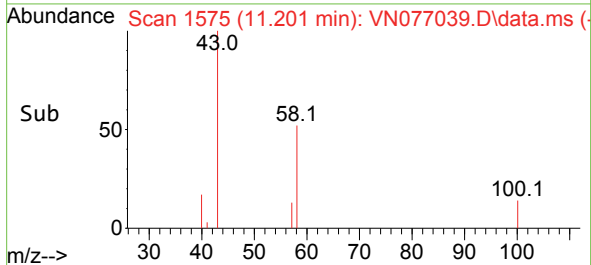
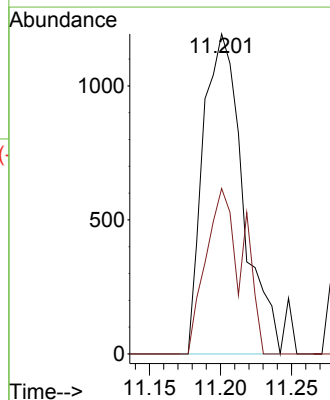
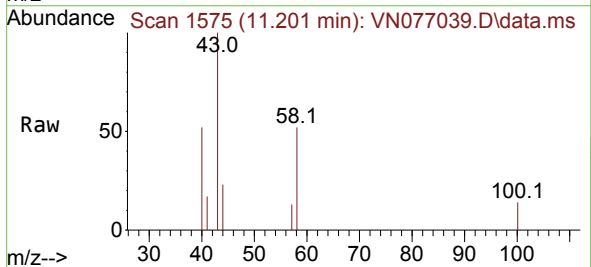
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

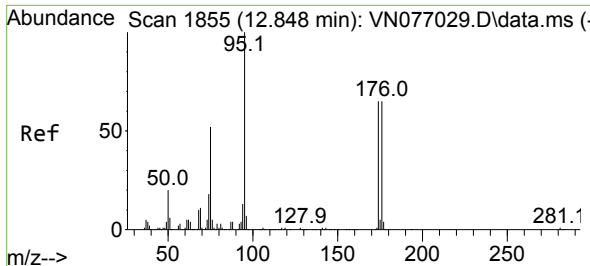
Tgt Ion: 98 Resp: 826200
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#59
2-Hexanone
Concen: 0.416 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion: 43 Resp: 2325
Ion Ratio Lower Upper
43 100
58 47.9 27.7 83.1

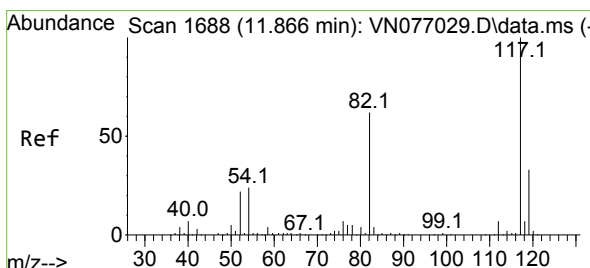
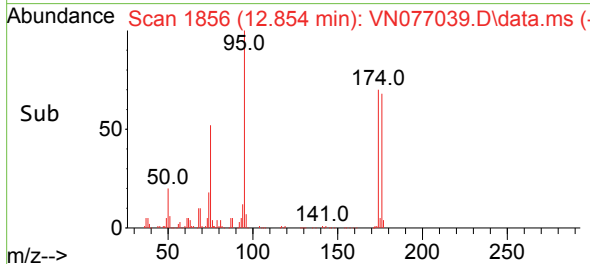
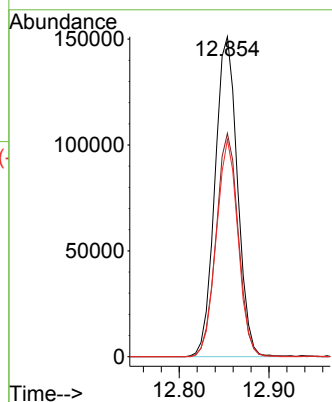
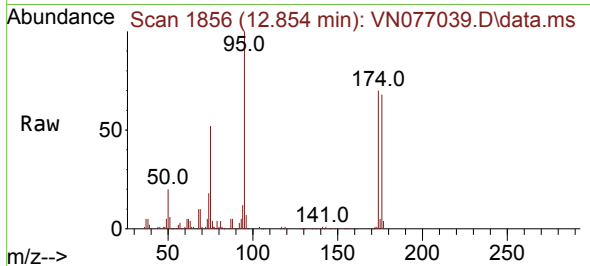




#62
4-Bromofluorobenzene
Concen: 43.811 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

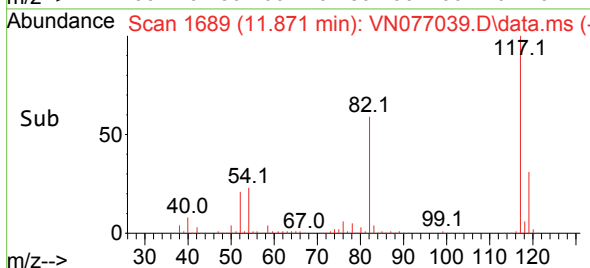
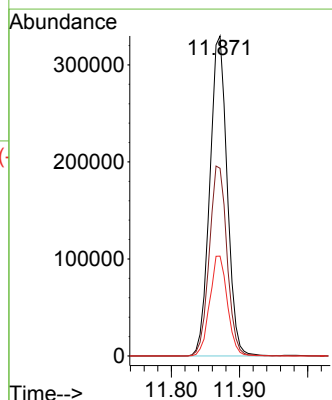
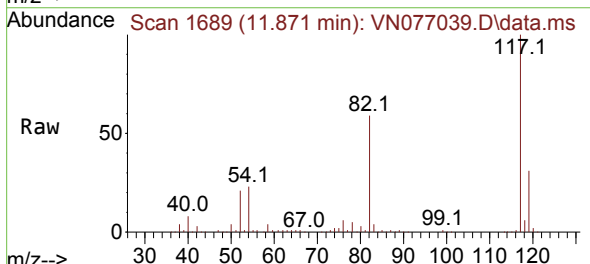
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

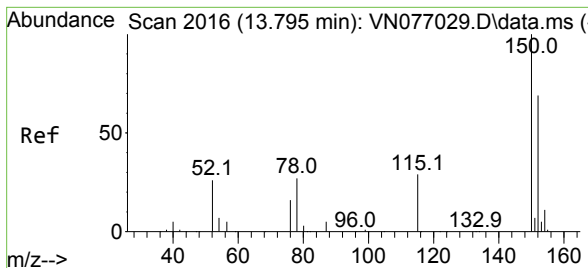
Tgt Ion: 95 Resp: 262367
Ion Ratio Lower Upper
95 100
174 69.3 0.0 136.6
176 65.8 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion: 117 Resp: 584947
Ion Ratio Lower Upper
117 100
82 58.7 49.4 74.0
119 31.2 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077039.D

Acq: 17 Mar 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :

TT180D-20230313

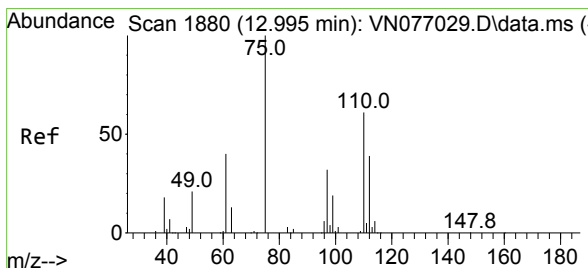
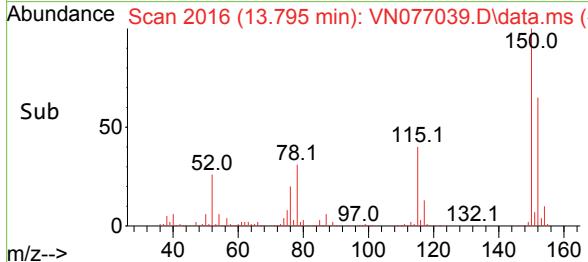
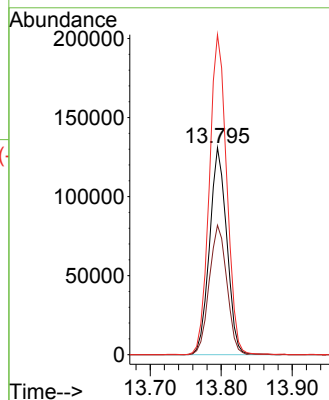
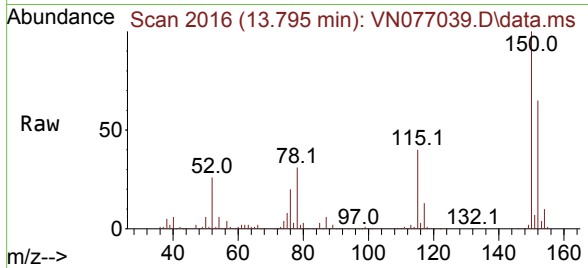
Tgt Ion:152 Resp: 220507

Ion Ratio Lower Upper

152 100

115 64.1 31.9 95.7

150 156.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 24.366 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077039.D

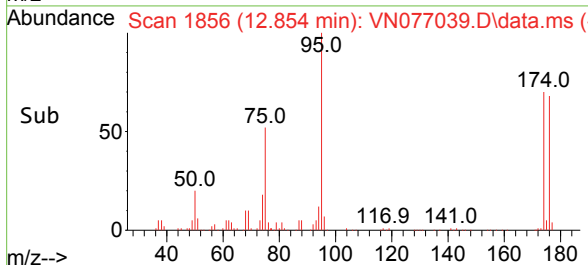
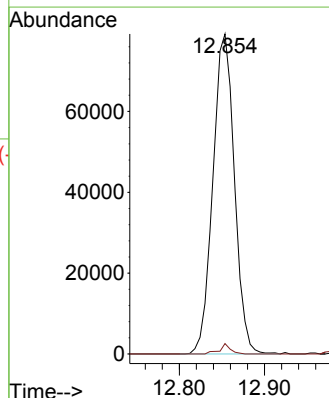
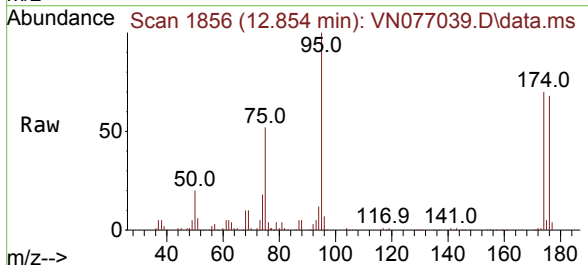
Acq: 17 Mar 2023 17:45

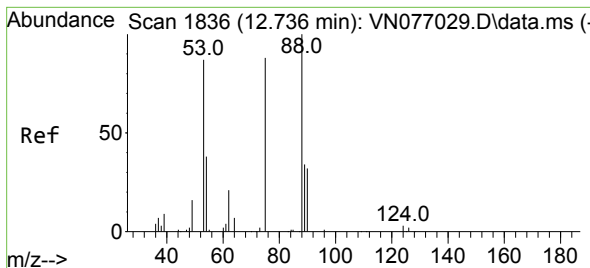
Tgt Ion: 75 Resp: 138978

Ion Ratio Lower Upper

75 100

77 1.6 107.3 322.0#

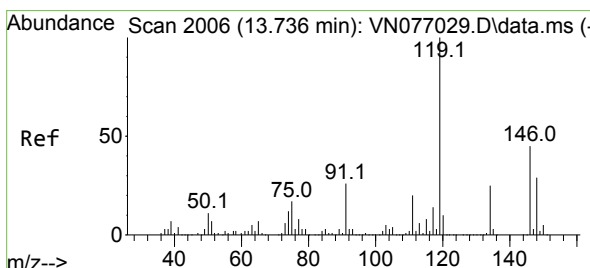
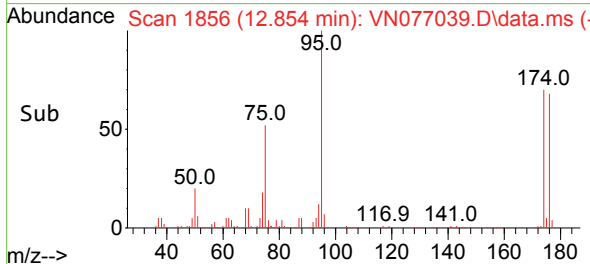
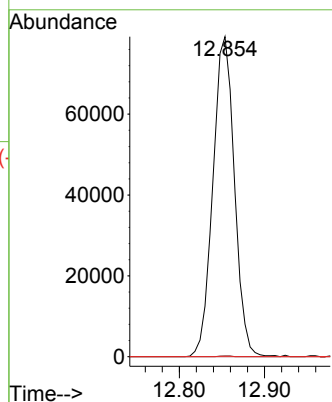
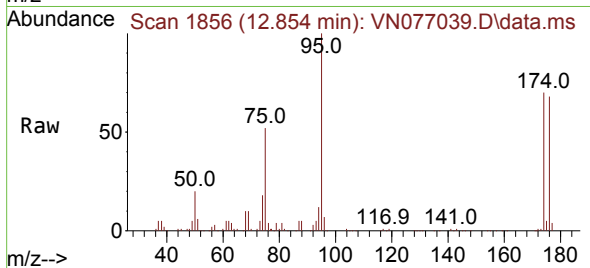




#81
trans-1,4-Dichloro-2-butene
Concen: 67.070 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

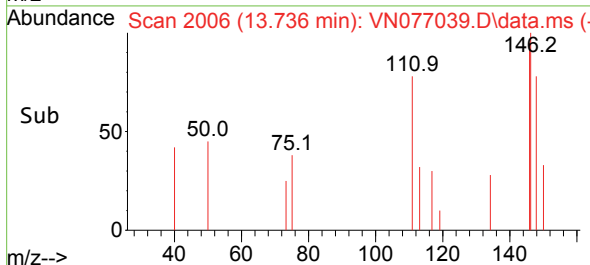
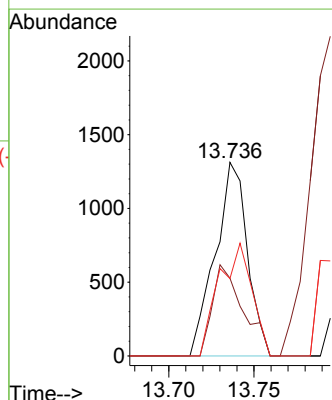
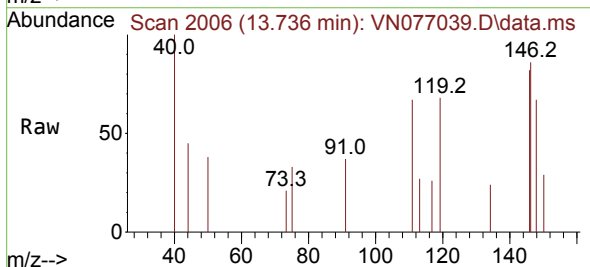
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

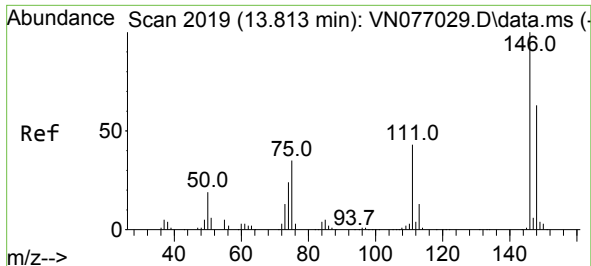
Tgt Ion: 75 Resp: 138978
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#



#87
1,3-Dichlorobenzene
Concen: 0.206 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion:146 Resp: 1720
Ion Ratio Lower Upper
146 100
111 44.9 21.9 65.5
148 60.1 32.1 96.5

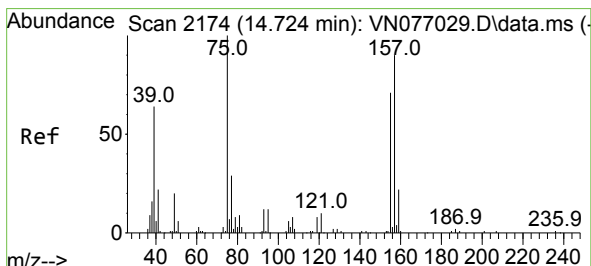
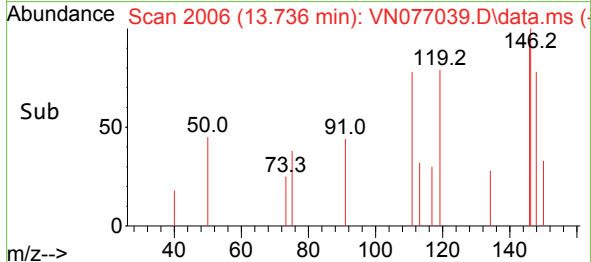
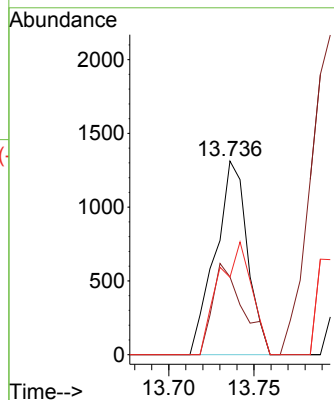
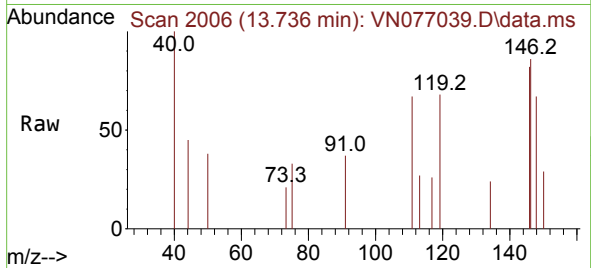




#88
1,4-Dichlorobenzene
Concen: 0.207 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.077 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

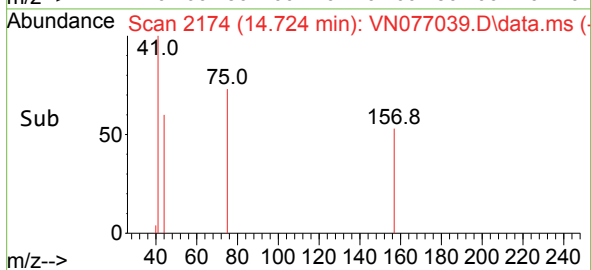
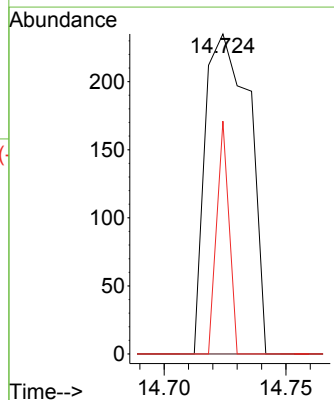
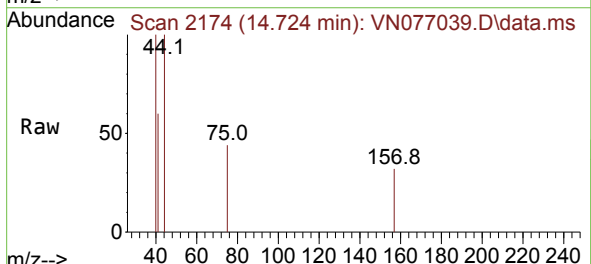
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

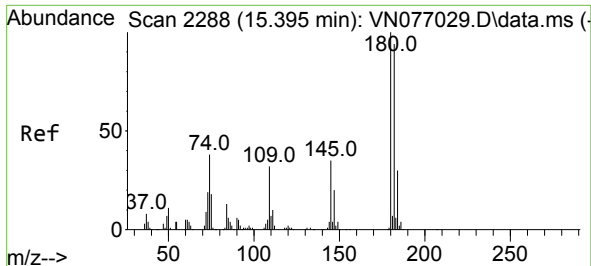
Tgt Ion:146 Resp: 1720
Ion Ratio Lower Upper
146 100
111 44.9 21.5 64.5
148 60.1 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.222 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. -0.000 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion: 75 Resp: 295
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.3#
157 20.3 45.8 137.3#

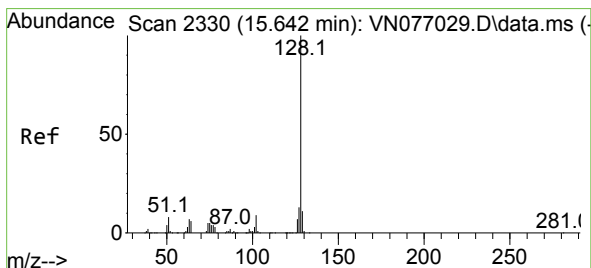
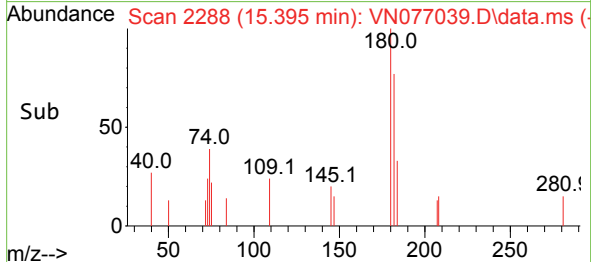
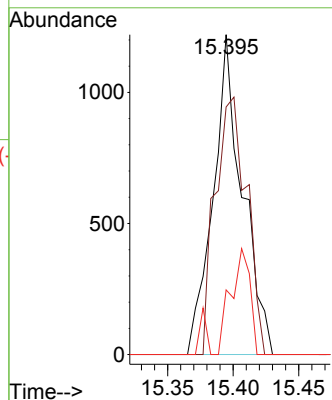
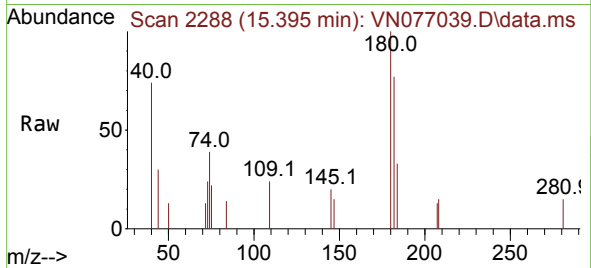




#93
1,2,4-Trichlorobenzene
Concen: 0.501 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

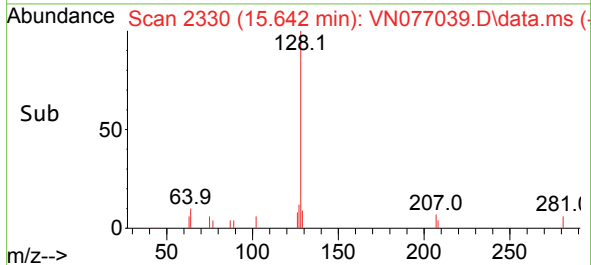
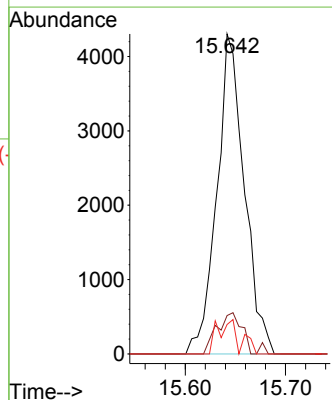
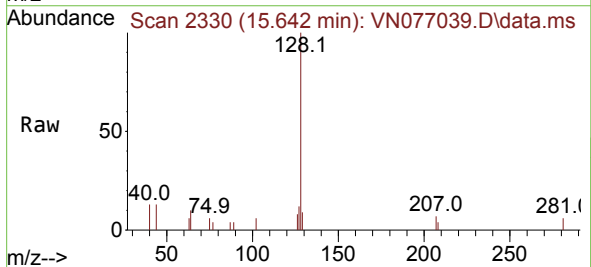
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

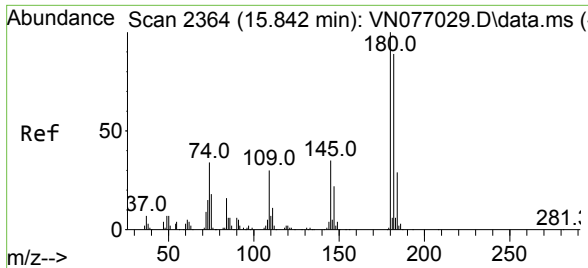
Tgt Ion:180 Resp: 1890
Ion Ratio Lower Upper
180 100
182 86.5 47.3 141.9
145 21.9 16.9 50.7



#95
Naphthalene
Concen: 2.449 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN077039.D
Acq: 17 Mar 2023 17:45

Tgt Ion:128 Resp: 8177
Ion Ratio Lower Upper
128 100
127 11.6 10.0 15.0
129 8.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.615 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077039.D
 Acq: 17 Mar 2023 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D-20230313

Tgt Ion:180	Resp:	2327
Ion Ratio	Lower	Upper
180	100	
182	80.7	47.4 142.2
145	22.0	17.9 53.8

