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 Data File : VN077225.D
 Acq On : 28 Mar 2023 01:06
 Operator : JC\MD
 Sample : 02081-08 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

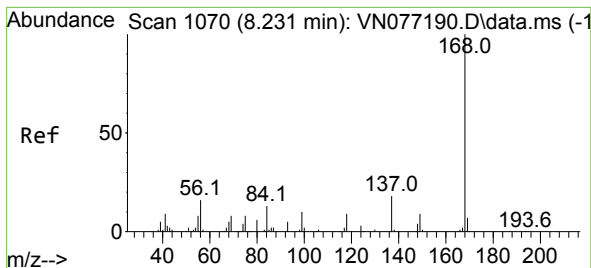
Instrument :
 MSVOA_N
 ClientSampleId :
 152140-TCLP-Y-032323

Quant Time: Mar 28 07:49:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 27 02:47:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	424586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	738534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	658358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	262270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	308394	46.455	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.900%		
35) Dibromofluoromethane	8.172	113	230950	46.086	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.180%		
50) Toluene-d8	10.571	98	924397	49.229	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.460%		
62) 4-Bromofluorobenzene	12.848	95	297275	48.238	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.480%		
Target Compounds					Qvalue	
6) Chloroethane	3.131	64	1415	0.233	ug/l #	42
11) Tert butyl alcohol	5.519	59	2752	3.042	ug/l	99
16) Acetone	4.448	43	14798	5.995	ug/l #	86
18) Methyl Acetate	5.060	43	7246	0.734	ug/l #	71
20) Methylene Chloride	5.295	84	1293	0.235	ug/l #	84
31) Cyclohexane	8.236	56	12619	1.368	ug/l #	46
36) 1,1-Dichloropropene	8.225	75	38340	5.497	ug/l #	51
38) Carbon Tetrachloride	8.230	117	46719	6.606	ug/l #	16
43) Isopropyl Acetate	8.730	43	23302	1.858	ug/l #	48
48) Methyl methacrylate	9.701	41	1561	0.258	ug/l #	51
52) Toluene	10.630	92	5034	0.386	ug/l	80
55) 1,1,2-Trichloroethane	11.030	97	1231	0.241	ug/l #	61
56) Ethyl methacrylate	10.877	69	1591	0.211	ug/l #	31
59) 2-Hexanone	11.201	43	1546	0.273	ug/l	79
60) Dibromochloromethane	11.113	129	5008	0.953	ug/l #	11
61) 1,2-Dibromoethane	11.442	107	1127	0.222	ug/l	86
64) Tetrachloroethene	11.107	164	6618	1.620	ug/l #	72
71) Bromoform	12.848	173	2159	0.601	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.930	83	4384	0.636	ug/l #	27
76) 1,2,3-Trichloropropane	12.854	75	166018	31.204	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	166018	89.935	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.495	105	6045	0.358	ug/l	83
85) sec-Butylbenzene	13.495	105	6090	0.294	ug/l	80
93) 1,2,4-Trichlorobenzene	15.406	180	1766	4.763	ug/l #	25
95) Naphthalene	15.642	128	1875	6.033	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.865	180	10429	6.954	ug/l #	12

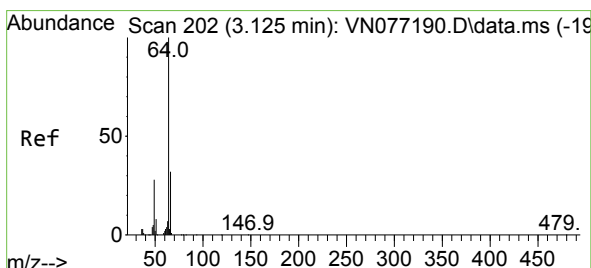
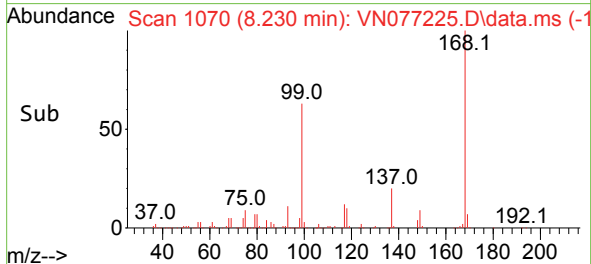
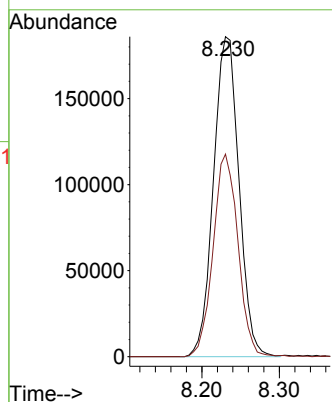
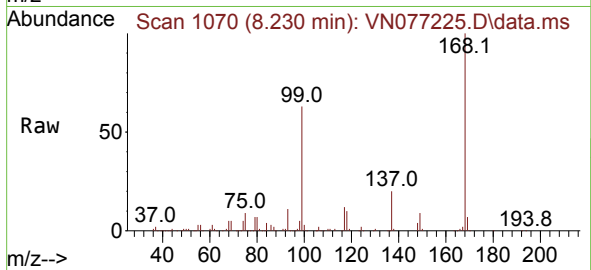
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

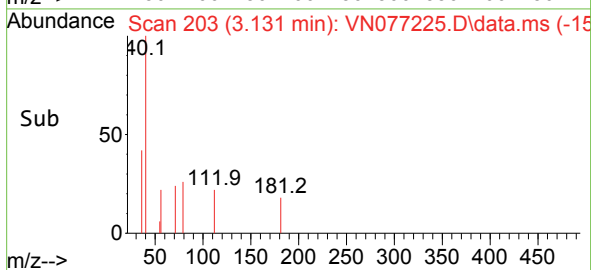
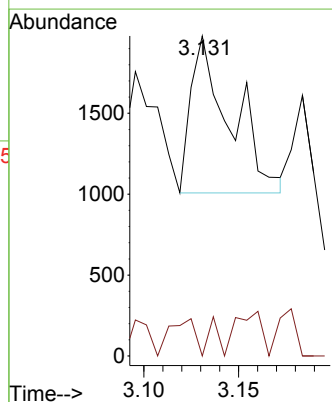
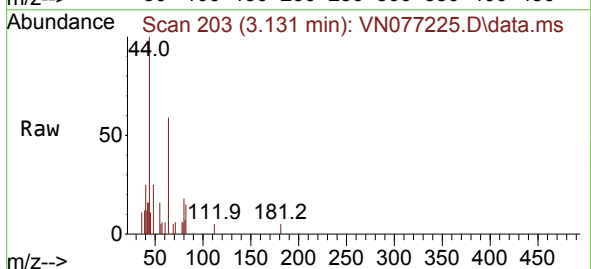
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Y-032323

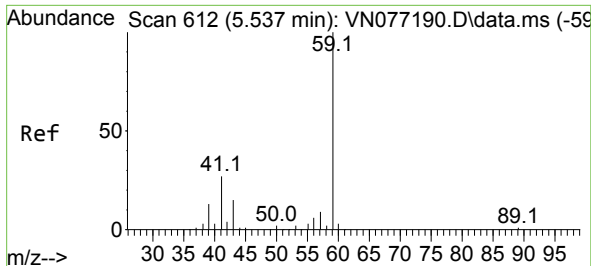
Tgt Ion:168 Resp: 424586
Ion Ratio Lower Upper
168 100
99 63.3 48.6 73.0



#6
Chloroethane
Concen: 0.233 ug/l
RT: 3.131 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion: 64 Resp: 1415
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

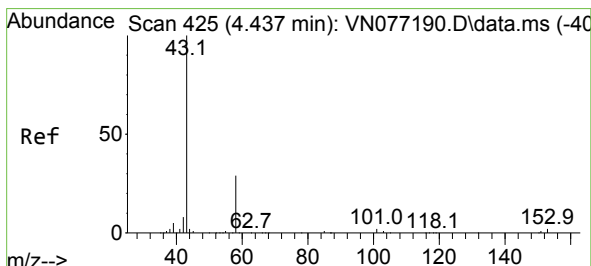
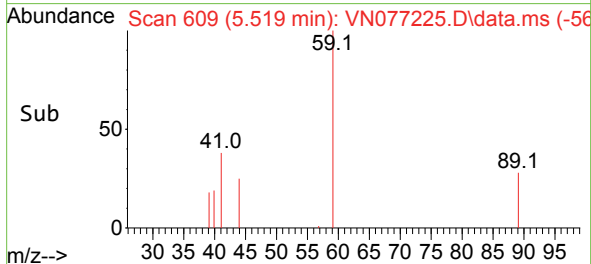
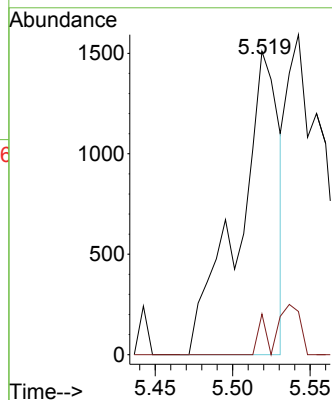
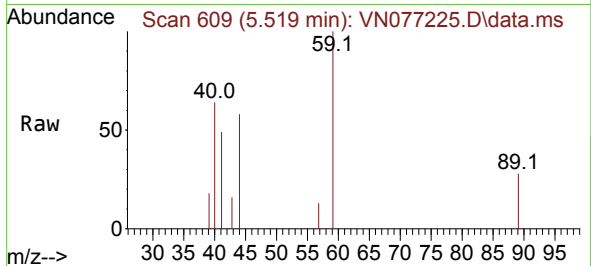




#11
Tert butyl alcohol
Concen: 3.042 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

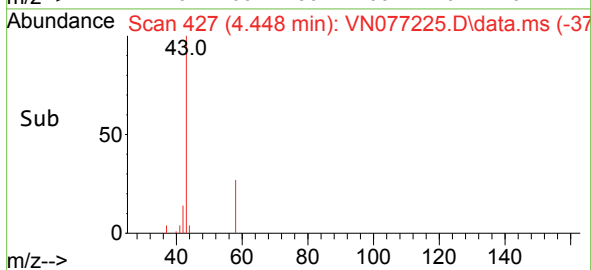
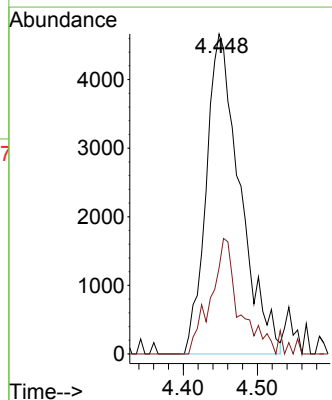
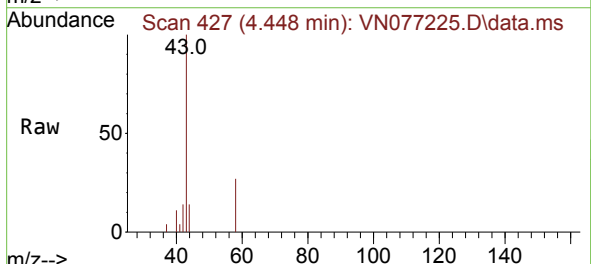
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Y-032323

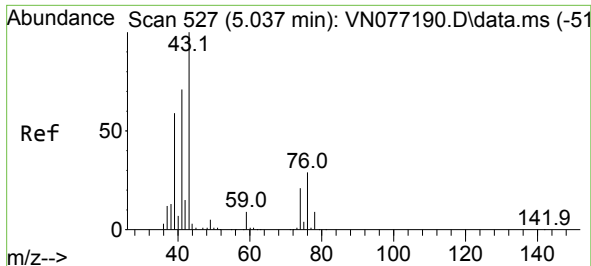
Tgt Ion: 59 Resp: 2752
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8



#16
Acetone
Concen: 5.995 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion: 43 Resp: 14798
Ion Ratio Lower Upper
43 100
58 26.9 28.2 42.2#

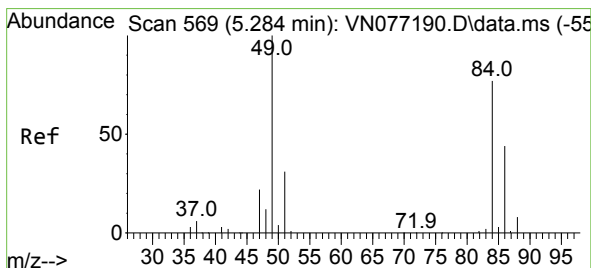
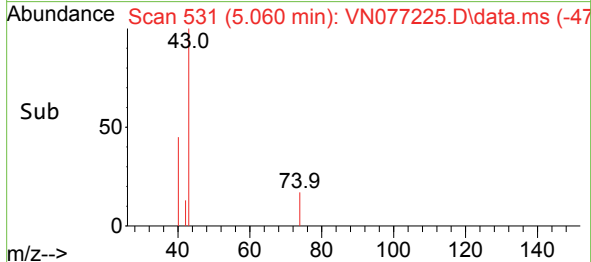
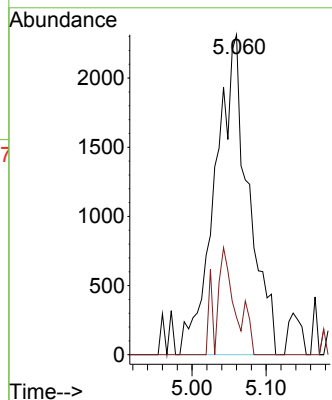
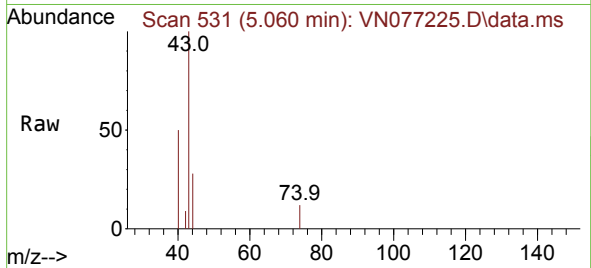




#18
Methyl Acetate
Concen: 0.734 ug/l
RT: 5.060 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

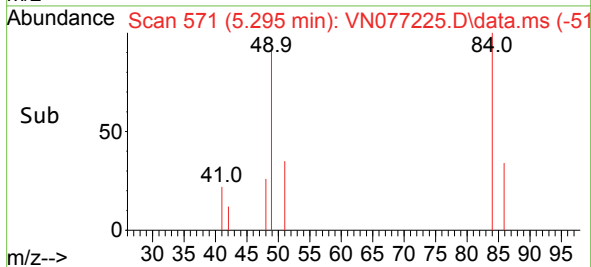
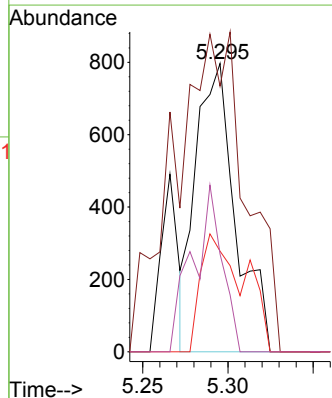
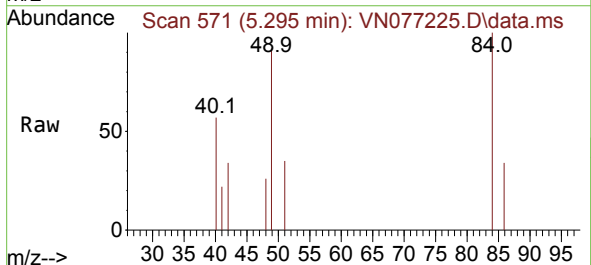
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Y-032323

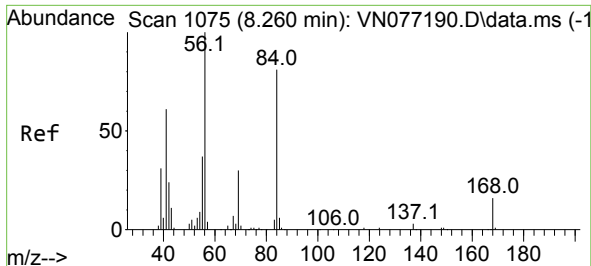
Tgt Ion: 43 Resp: 7246
Ion Ratio Lower Upper
43 100
74 16.3 25.9 38.9#



#20
Methylene Chloride
Concen: 0.235 ug/l
RT: 5.295 min Scan# 571
Delta R.T. 0.011 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

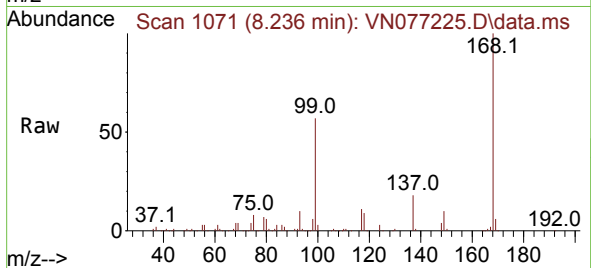
Tgt Ion: 84 Resp: 1293
Ion Ratio Lower Upper
84 100
49 92.1 76.6 114.8
51 34.9 25.4 38.2
86 33.9 51.1 76.7#



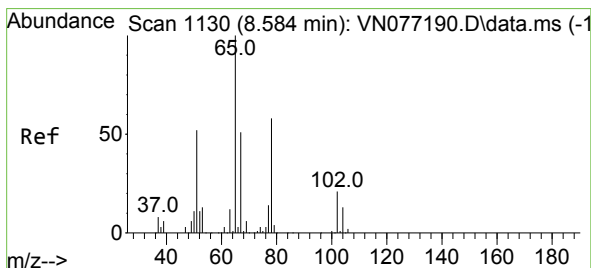
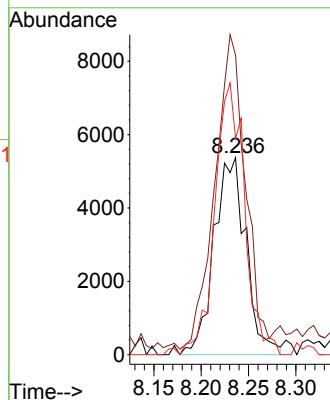
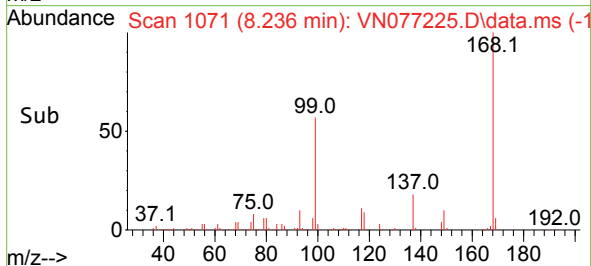


#31
Cyclohexane
Concen: 1.368 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Y-032323

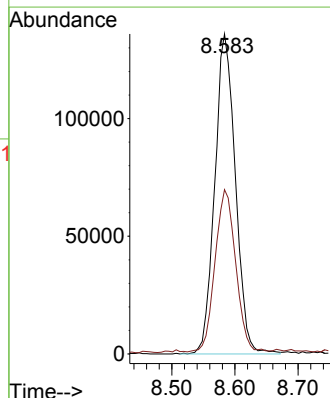
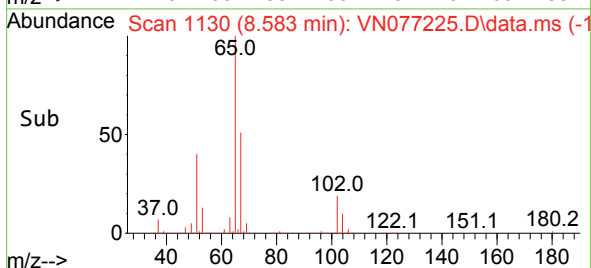
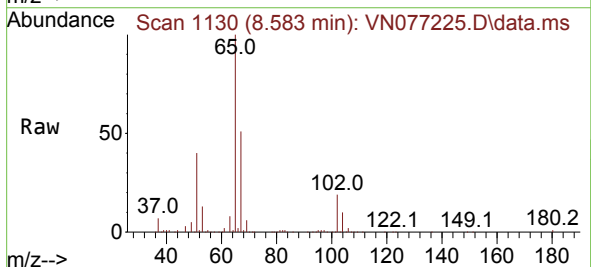


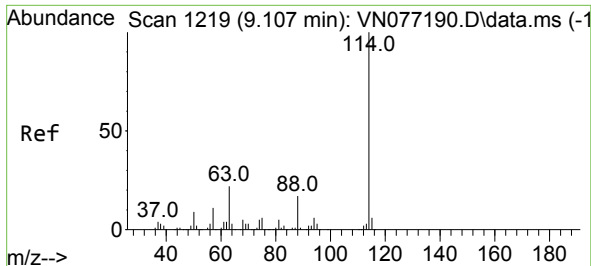
Tgt Ion: 56 Resp: 12619
Ion Ratio Lower Upper
56 100
69 149.1 27.0 40.6#
84 109.7 82.9 124.3



#33
1,2-Dichloroethane-d4
Concen: 46.455 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion: 65 Resp: 308394
Ion Ratio Lower Upper
65 100
67 50.6 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077225.D

Acq: 28 Mar 2023 01:06

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-Y-032323

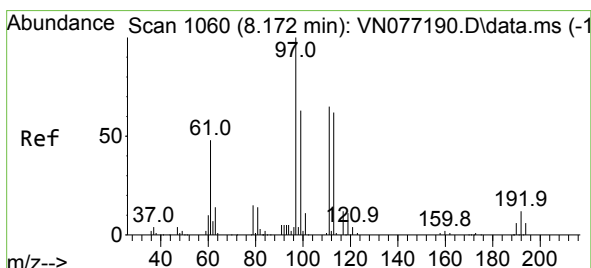
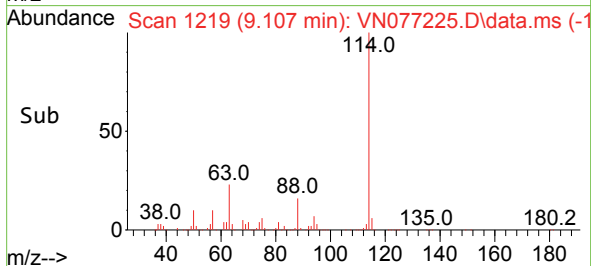
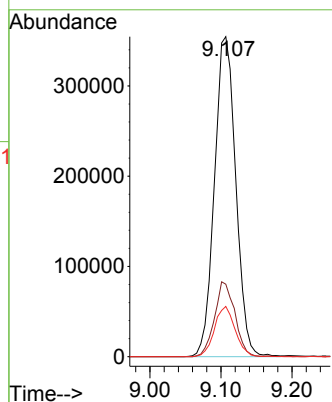
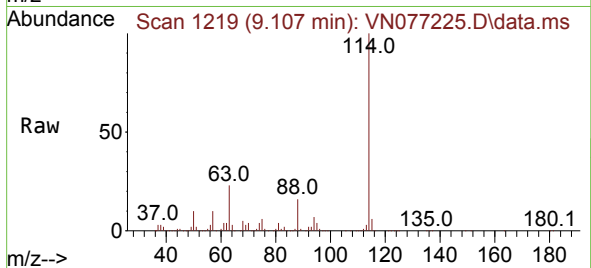
Tgt Ion:114 Resp: 738534

Ion Ratio Lower Upper

114 100

63 22.7 0.0 36.6

88 15.7 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.086 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077225.D

Acq: 28 Mar 2023 01:06

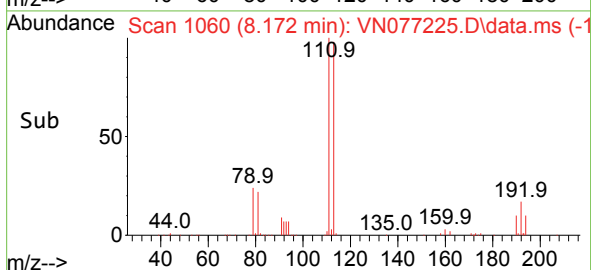
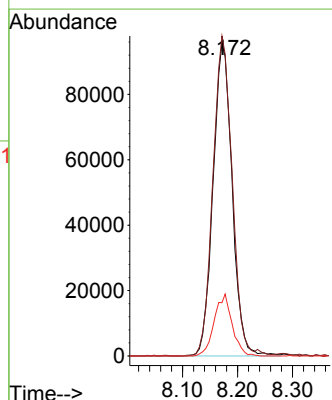
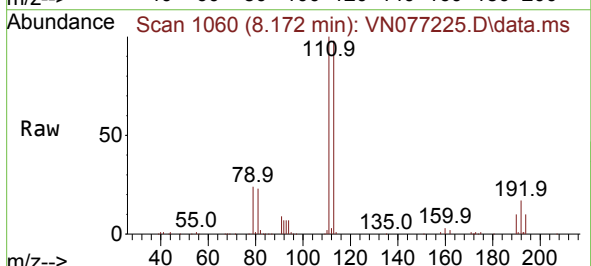
Tgt Ion:113 Resp: 230950

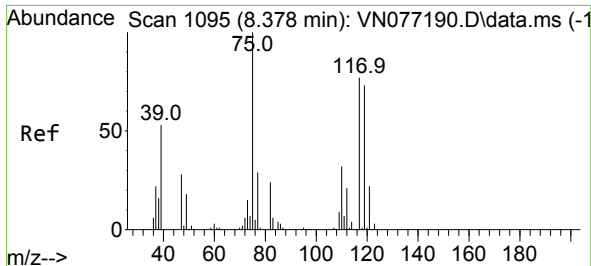
Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

192 18.6 13.9 20.9

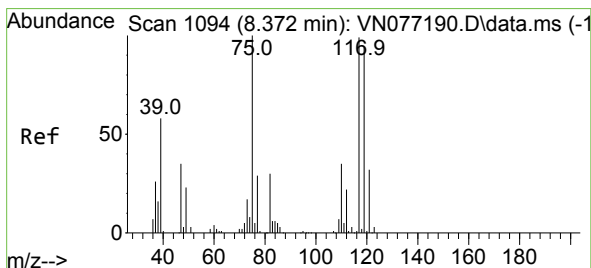
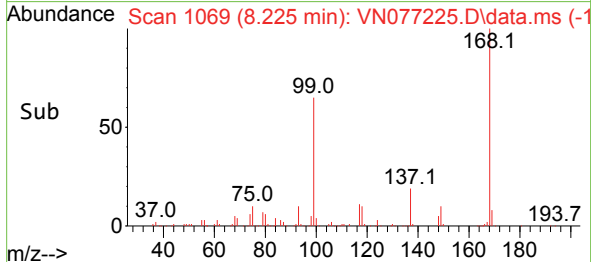
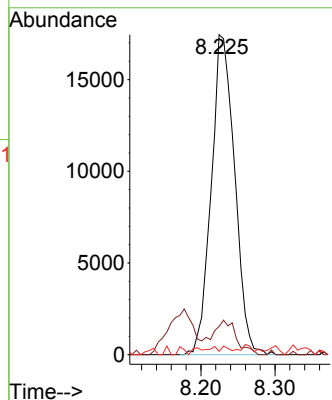
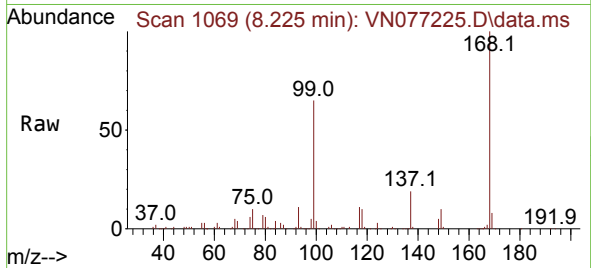




#36
1,1-Dichloropropene
Concen: 5.497 ug/l
RT: 8.225 min Scan# 1070
Delta R.T. -0.153 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

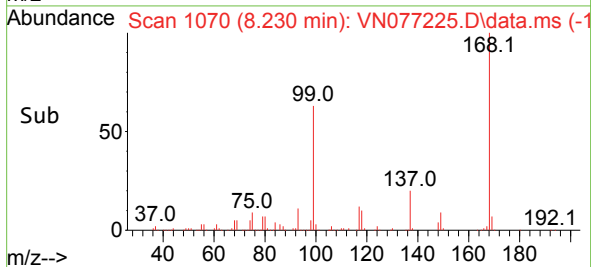
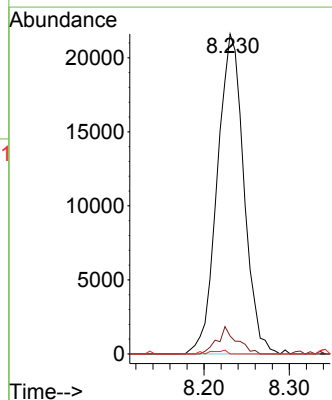
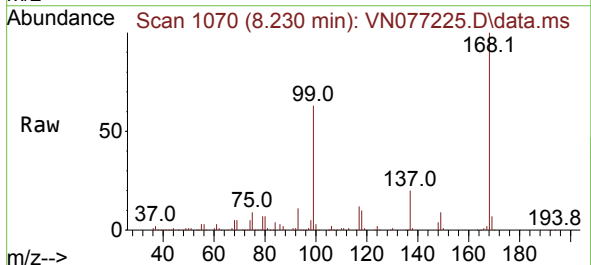
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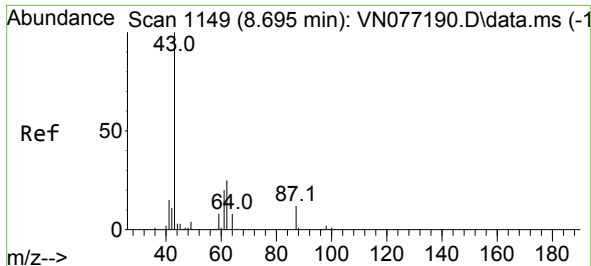
Tgt Ion: 75 Resp: 38340
Ion Ratio Lower Upper
75 100
110 11.1 18.9 56.9#
77 0.7 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.606 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion: 117 Resp: 46719
Ion Ratio Lower Upper
117 100
119 5.6 76.9 115.3#
121 0.0 23.2 34.8#

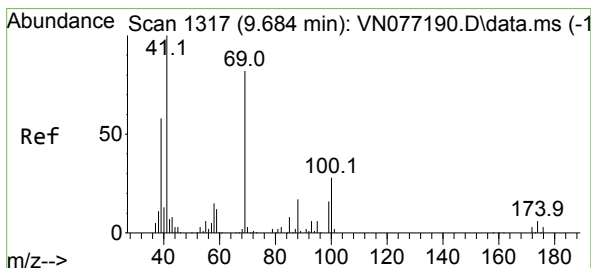
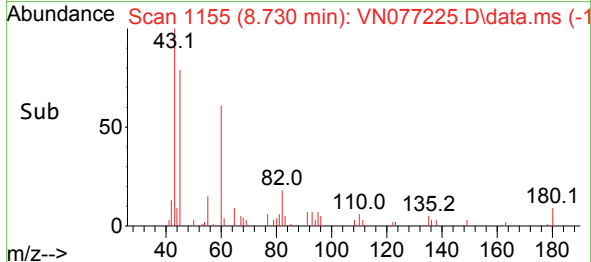
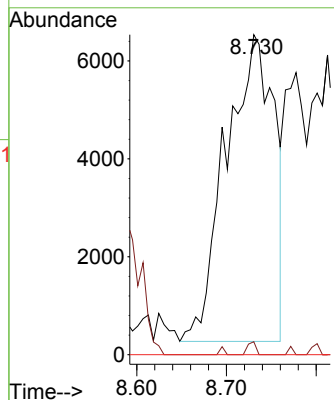
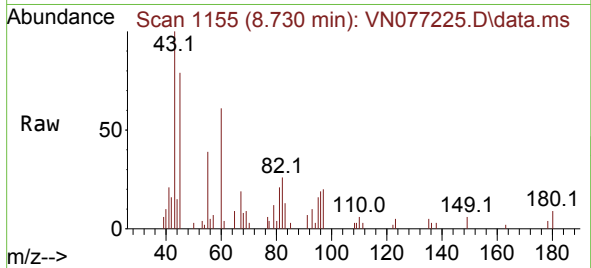




#43
Isopropyl Acetate
Concen: 1.858 ug/l
RT: 8.730 min Scan# 1155
Delta R.T. 0.035 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

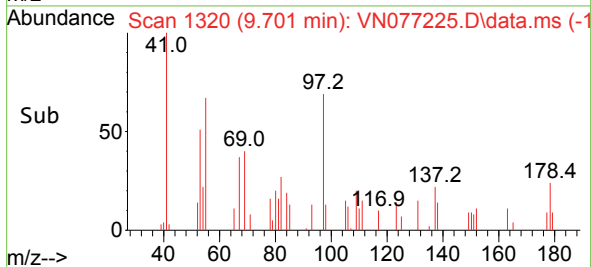
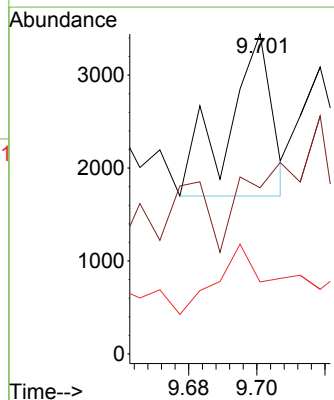
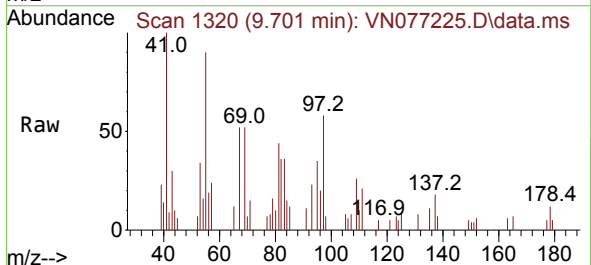
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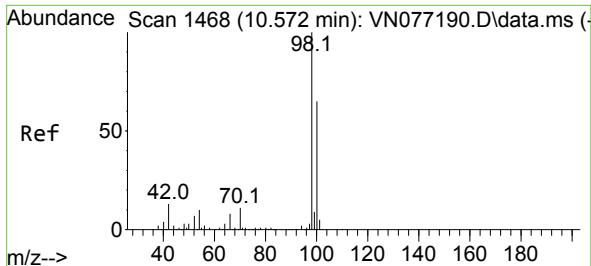
Tgt Ion: 43 Resp: 23302
Ion Ratio Lower Upper
43 100
61 0.0 26.2 39.2#
87 0.0 14.8 22.2#



#48
Methyl methacrylate
Concen: 0.258 ug/l
RT: 9.701 min Scan# 1320
Delta R.T. 0.017 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion: 41 Resp: 1561
Ion Ratio Lower Upper
41 100
69 33.3 92.6 139.0#
39 63.2 51.4 77.0

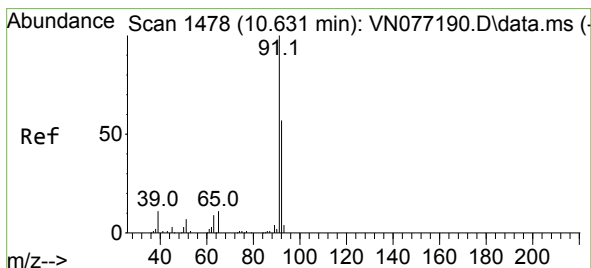
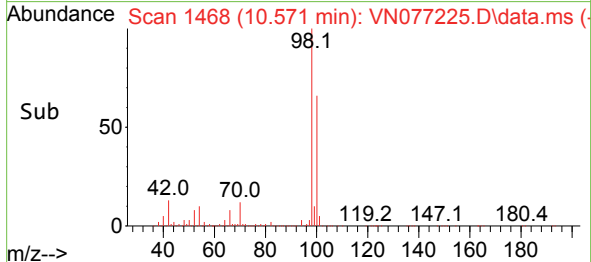
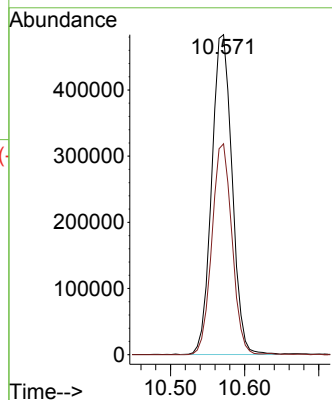
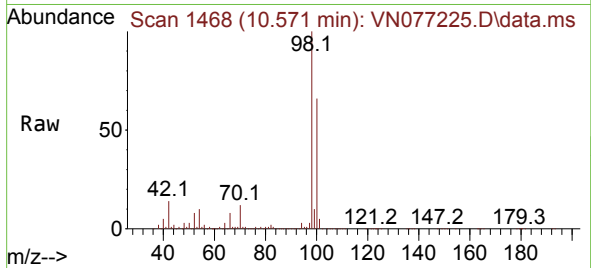




#50
Toluene-d8
Concen: 49.229 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

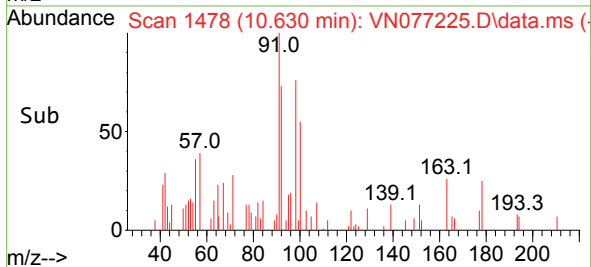
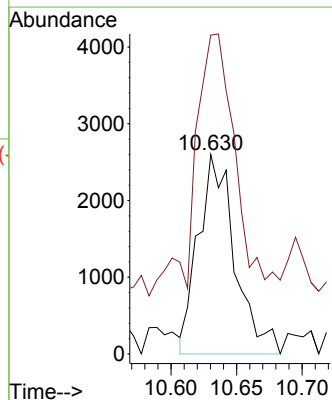
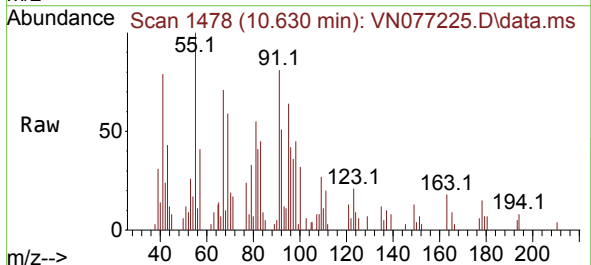
Instrument : MSVOA_N
ClientSampleId : 152140-TCLP-Y-032323

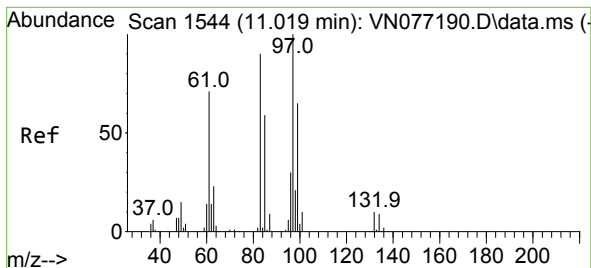
Tgt Ion: 98 Resp: 924397
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#52
Toluene
Concen: 0.386 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.001 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion: 92 Resp: 5034
Ion Ratio Lower Upper
92 100
91 145.5 138.2 207.2





#55

1,1,2-Trichloroethane

Concen: 0.241 ug/l

RT: 11.030 min Scan# 1

Delta R.T. 0.011 min

Lab File: VN077225.D

Acq: 28 Mar 2023 01:06

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-Y-032323

Tgt Ion: 97 Resp: 1231

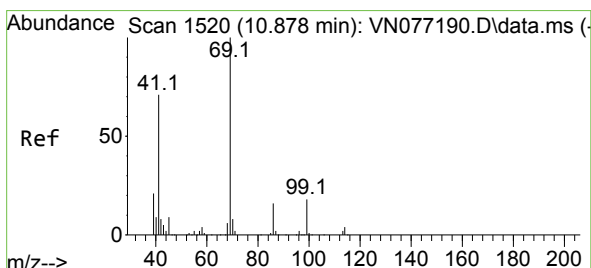
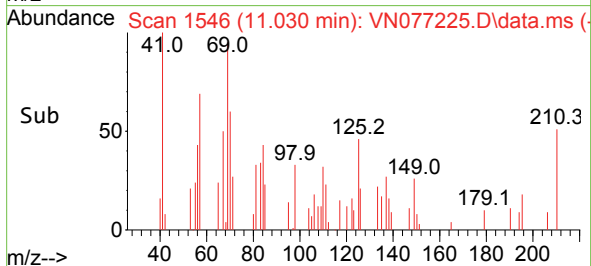
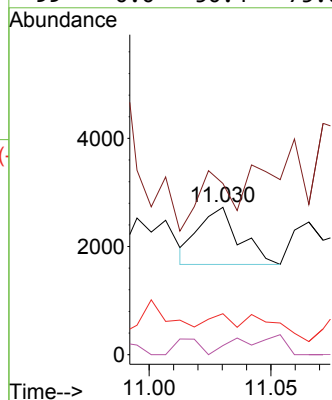
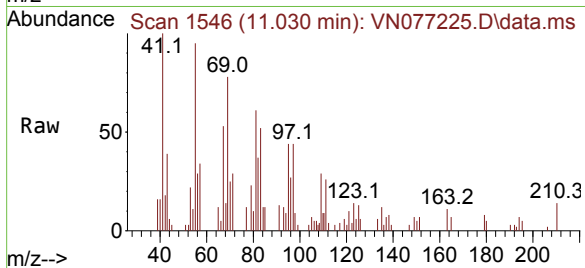
Ion Ratio Lower Upper

97 100

83 83.5 67.1 100.7

85 16.3 41.8 62.8#

99 0.0 50.4 75.6#



#56

Ethyl methacrylate

Concen: 0.211 ug/l

RT: 10.877 min Scan# 1520

Delta R.T. -0.001 min

Lab File: VN077225.D

Acq: 28 Mar 2023 01:06

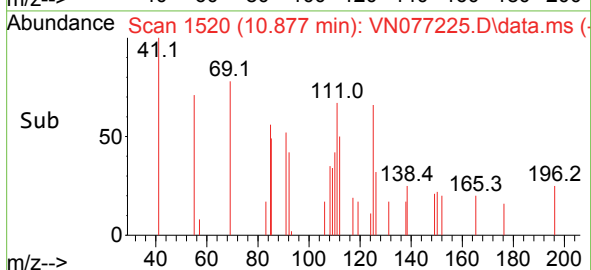
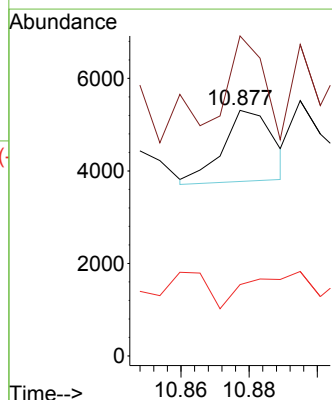
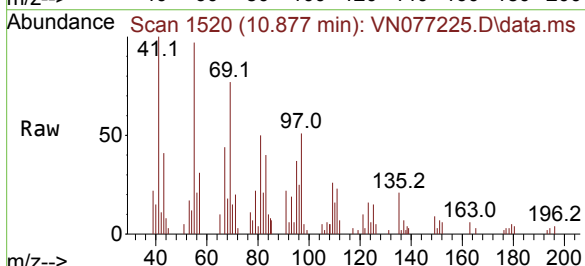
Tgt Ion: 69 Resp: 1591

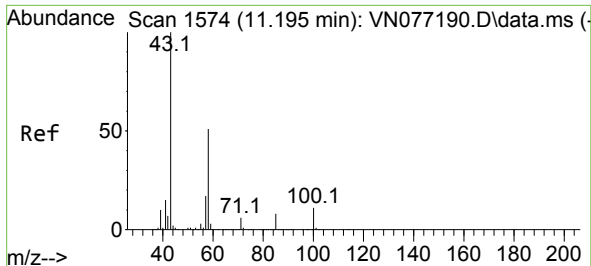
Ion Ratio Lower Upper

69 100

41 100.0 38.0 57.0#

39 0.0 22.4 33.6#

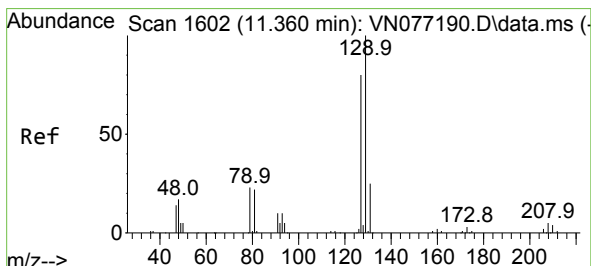
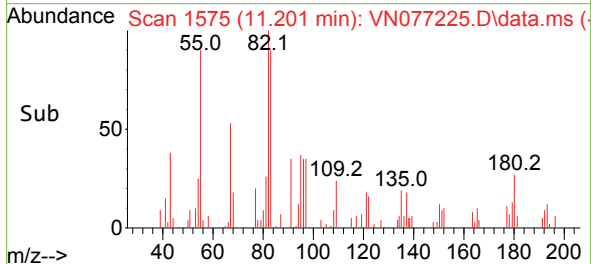
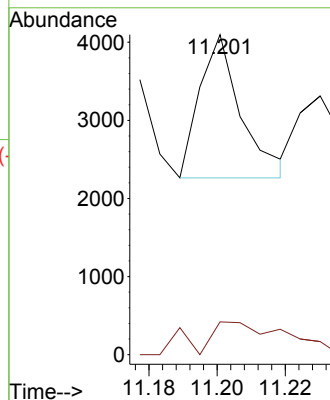
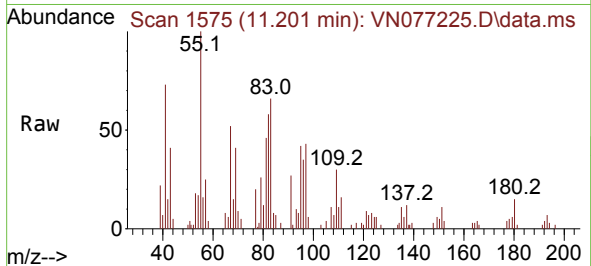




#59
2-Hexanone
Concen: 0.273 ug/l
RT: 11.201 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

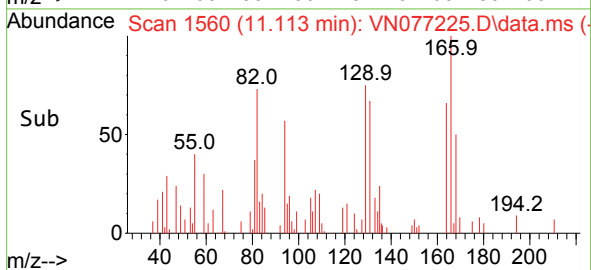
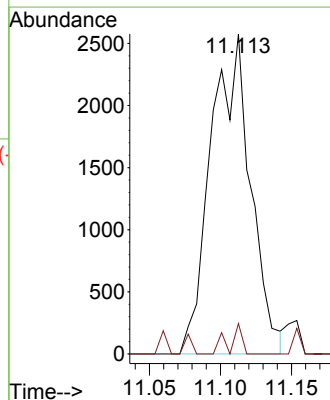
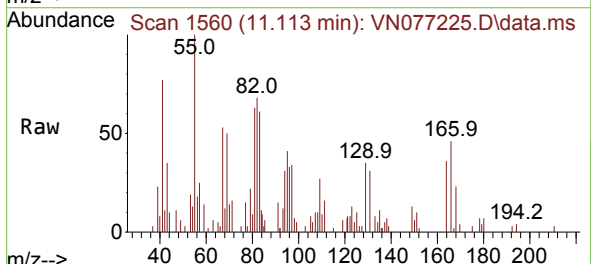
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Y-032323

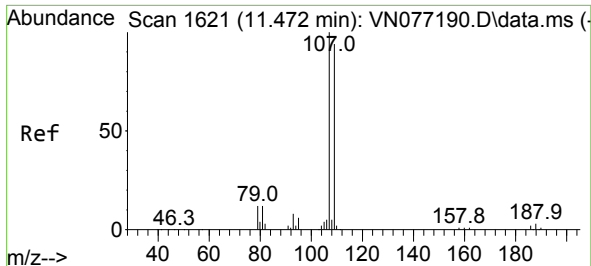
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
58 48.6 32.6 98.0



#60
Dibromochloromethane
Concen: 0.953 ug/l
RT: 11.113 min Scan# 1560
Delta R.T. -0.247 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion: 129 Resp: 5008
Ion Ratio Lower Upper
129 100
127 1.2 39.6 118.8#

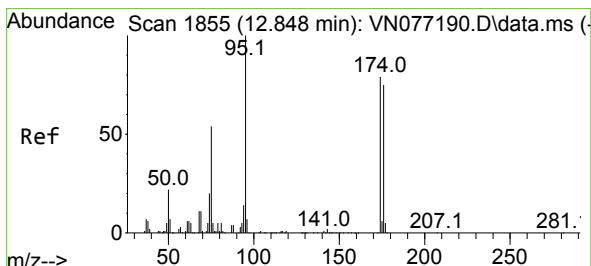
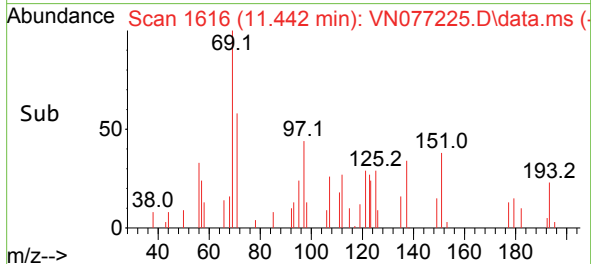
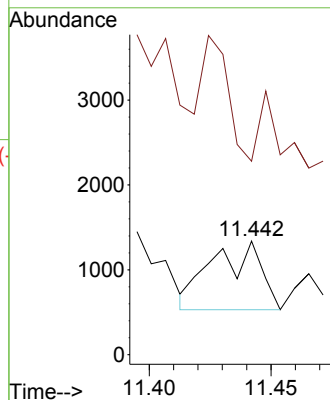
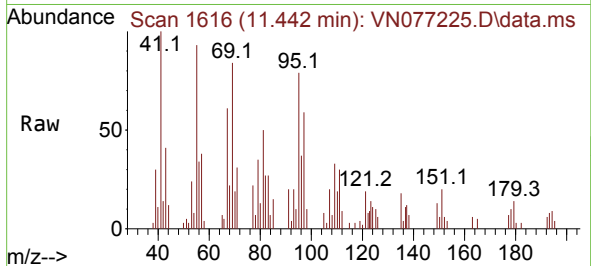




#61
1,2-Dibromoethane
Concen: 0.222 ug/l
RT: 11.442 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

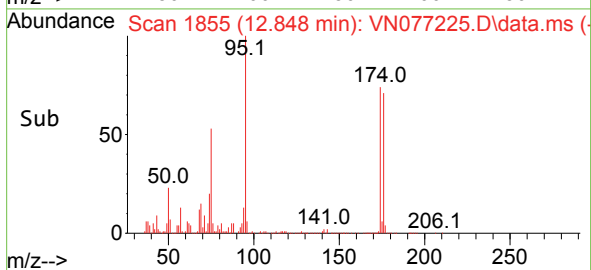
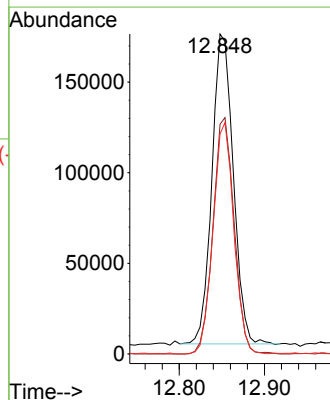
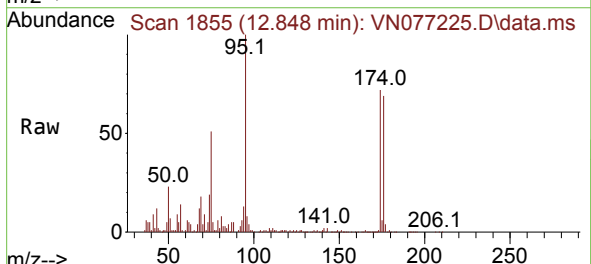
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Y-032323

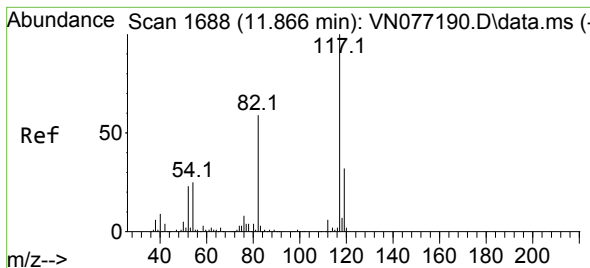
Tgt Ion:107 Resp: 1127
Ion Ratio Lower Upper
107 100
109 80.8 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 48.238 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion: 95 Resp: 297275
Ion Ratio Lower Upper
95 100
174 75.6 0.0 162.4
176 72.7 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077225.D

Acq: 28 Mar 2023 01:06

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-Y-032323

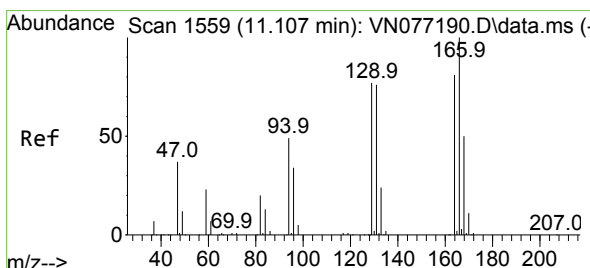
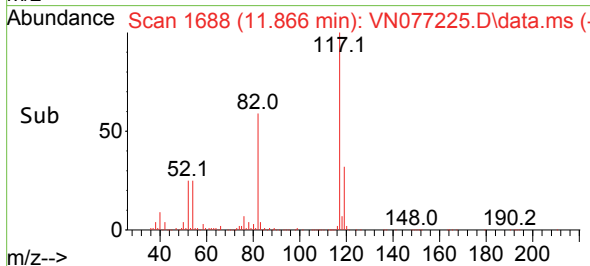
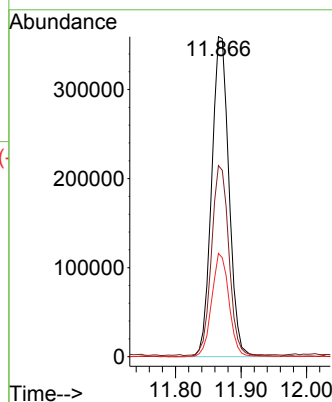
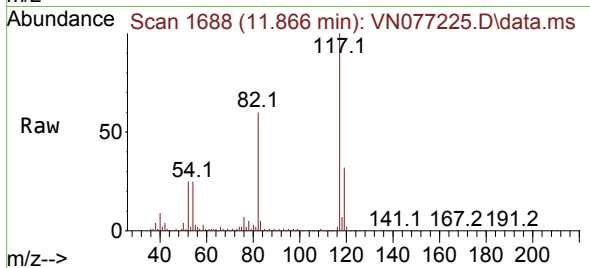
Tgt Ion:117 Resp: 658358

Ion Ratio Lower Upper

117 100

82 59.2 43.5 65.3

119 32.2 25.5 38.3



#64

Tetrachloroethene

Concen: 1.620 ug/l

RT: 11.107 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VN077225.D

Acq: 28 Mar 2023 01:06

Tgt Ion:164 Resp: 6618

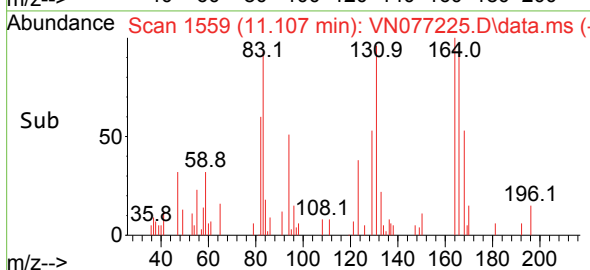
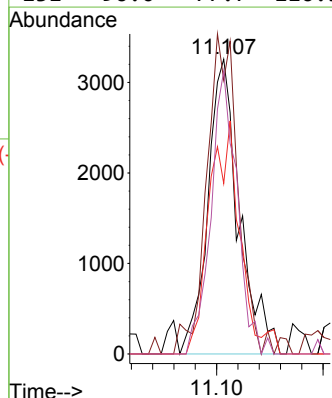
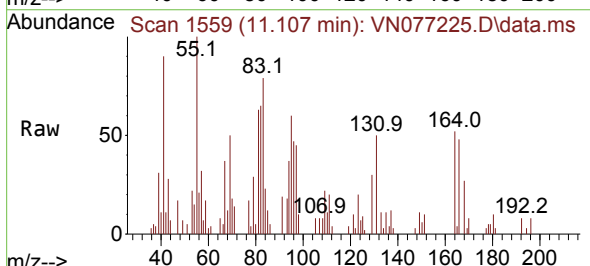
Ion Ratio Lower Upper

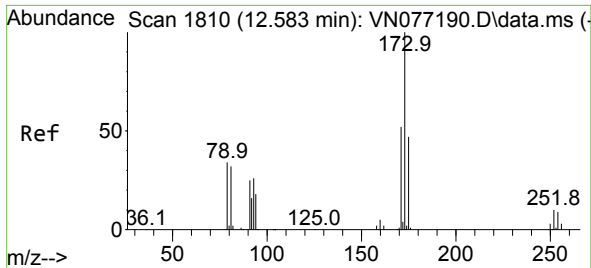
164 100

166 87.4 102.7 154.1#

129 57.8 81.5 122.3#

131 96.0 77.7 116.5

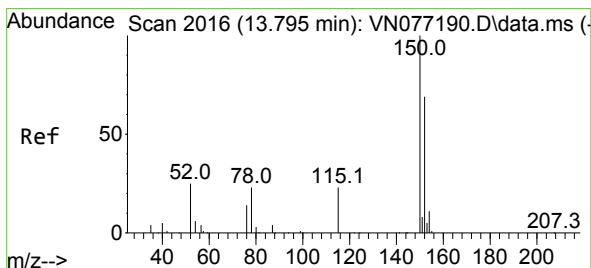
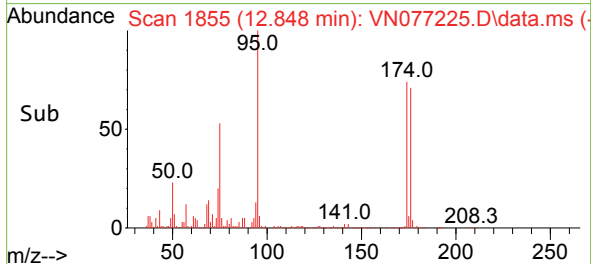
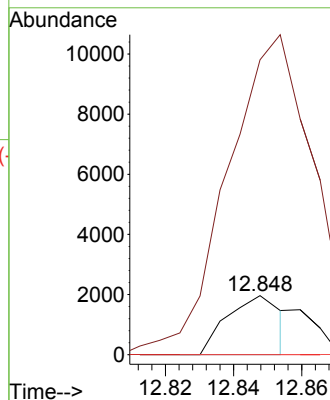
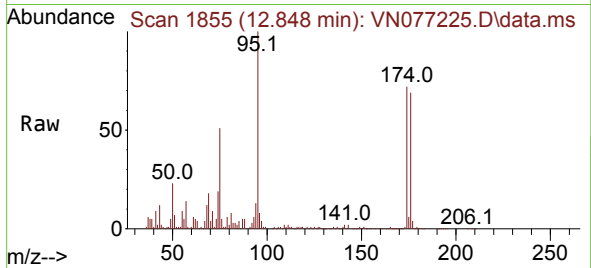




#71
Bromoform
Concen: 0.601 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

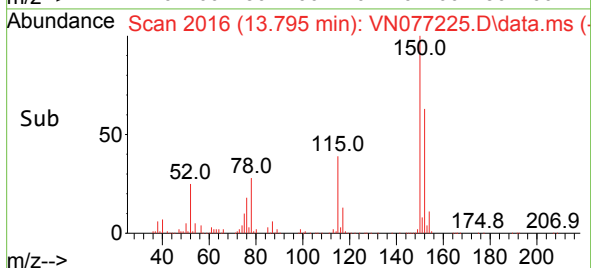
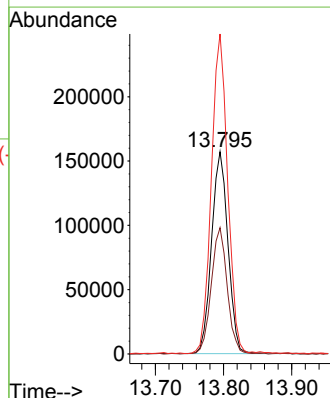
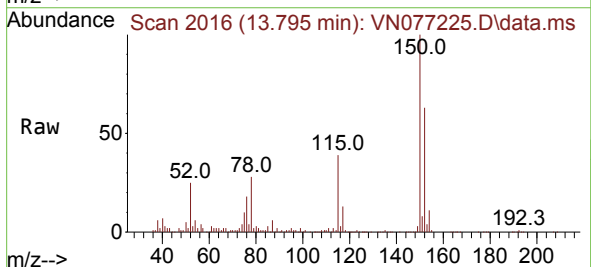
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Y-032323

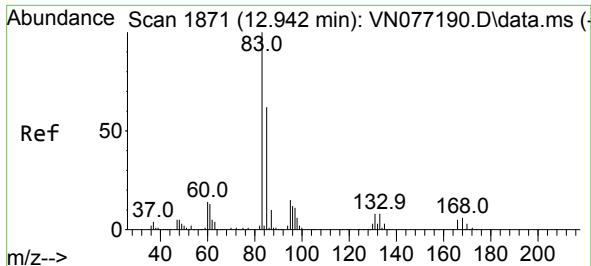
Tgt Ion:173 Resp: 2159
Ion Ratio Lower Upper
173 100
175 728.1 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion:152 Resp: 262270
Ion Ratio Lower Upper
152 100
115 61.3 30.3 90.9
150 157.1 0.0 353.6

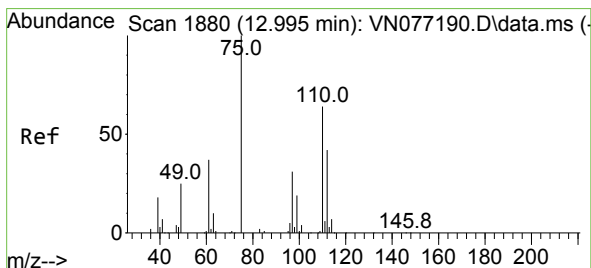
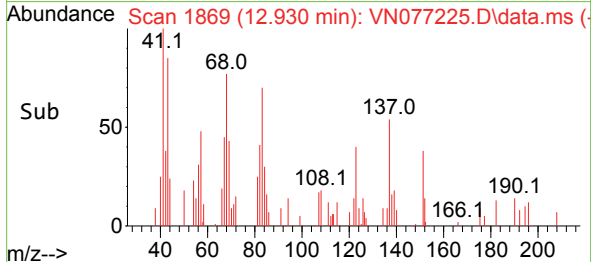
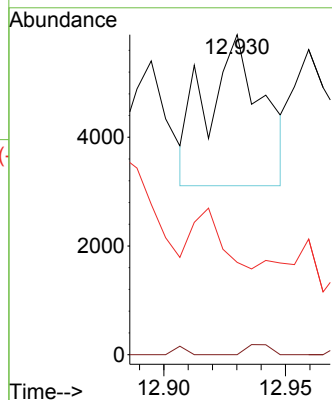
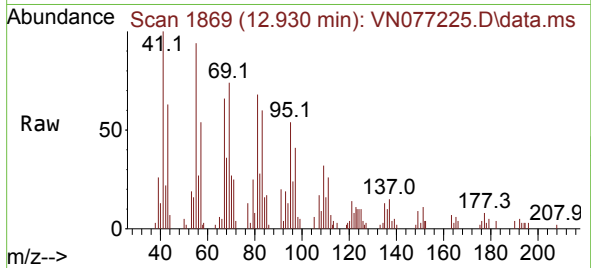




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.636 ug/l
 RT: 12.930 min Scan# 1869
 Delta R.T. -0.012 min
 Lab File: VN077225.D
 Acq: 28 Mar 2023 01:06

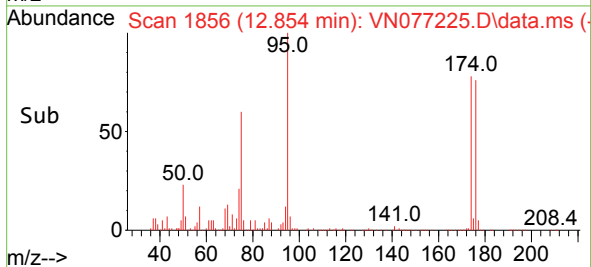
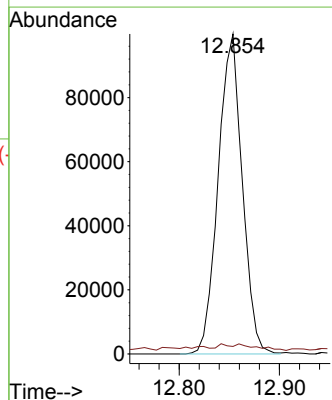
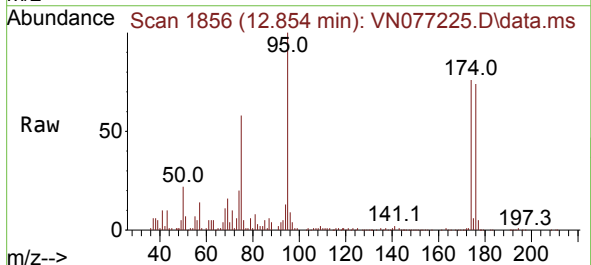
Instrument :
 MSVOA_N
 ClientSampleId :
 152140-TCLP-Y-032323

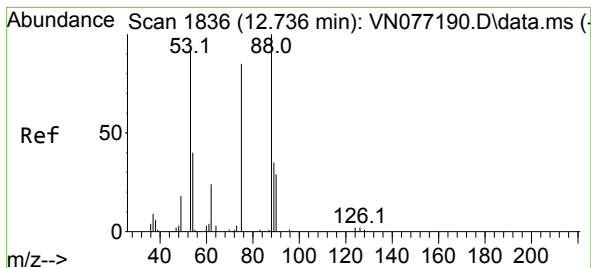
Tgt Ion: 83 Resp: 4384
 Ion Ratio Lower Upper
 83 100
 131 3.0 5.3 16.1#
 85 0.0 32.0 96.0#



#76
 1,2,3-Trichloropropane
 Concen: 31.204 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. -0.141 min
 Lab File: VN077225.D
 Acq: 28 Mar 2023 01:06

Tgt Ion: 75 Resp: 166018
 Ion Ratio Lower Upper
 75 100
 77 0.6 93.8 281.4#

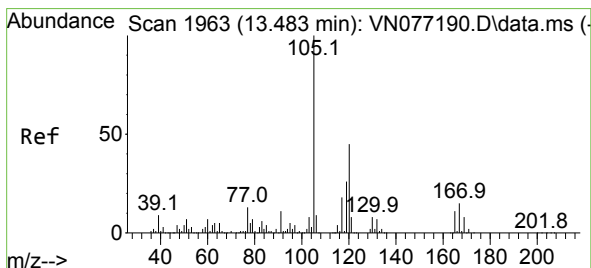
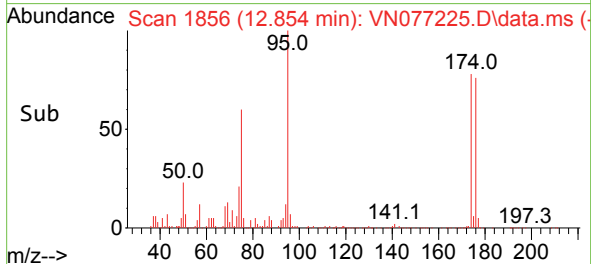
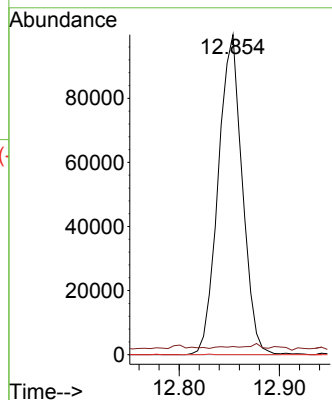
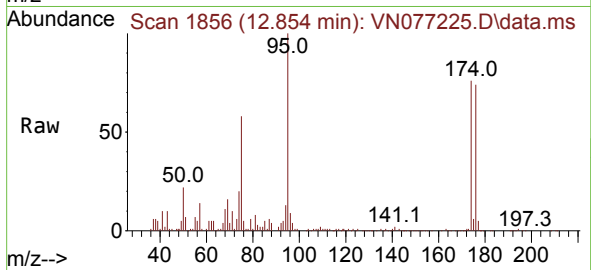




#81
trans-1,4-Dichloro-2-butene
Concen: 89.935 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

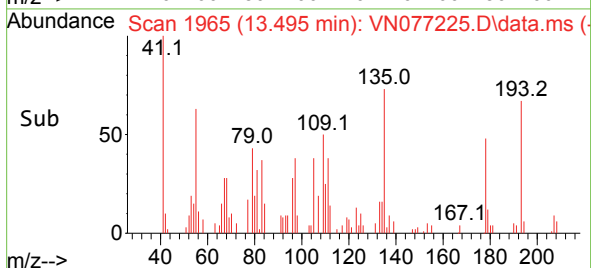
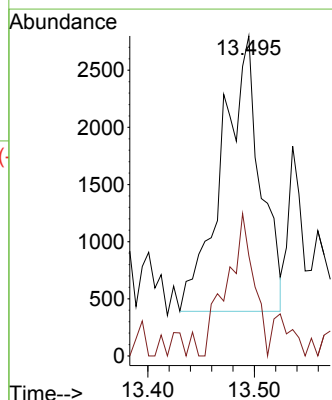
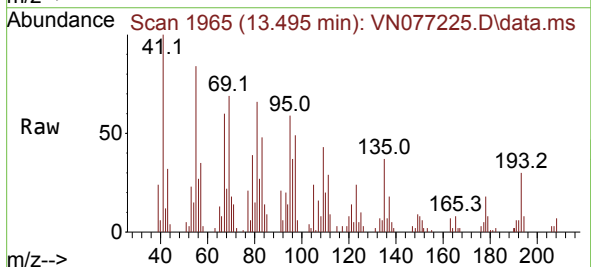
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Y-032323

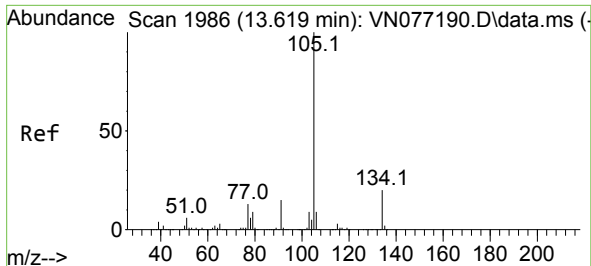
Tgt Ion: 75 Resp: 166018
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.0#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.358 ug/l
RT: 13.495 min Scan# 1965
Delta R.T. 0.012 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion: 105 Resp: 6045
Ion Ratio Lower Upper
105 100
120 36.0 23.6 70.8

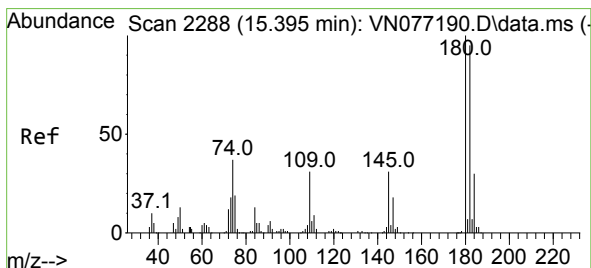
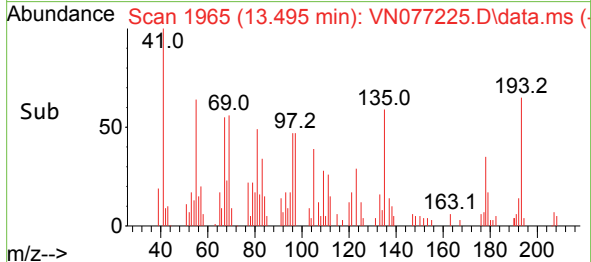
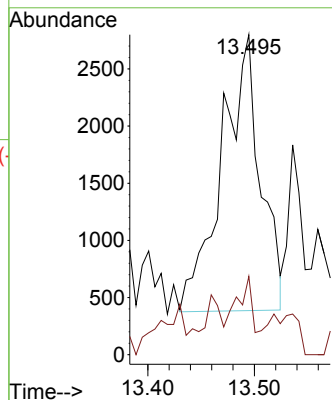
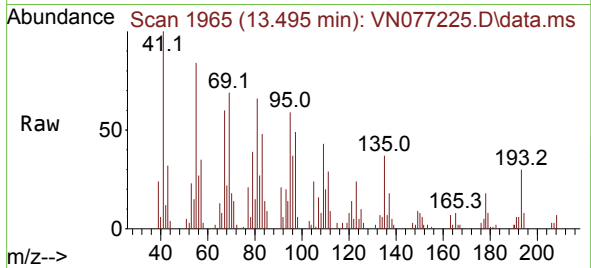




#85
 sec-Butylbenzene
 Concen: 0.294 ug/l
 RT: 13.495 min Scan# 1986
 Delta R.T. -0.124 min
 Lab File: VN077225.D
 Acq: 28 Mar 2023 01:06

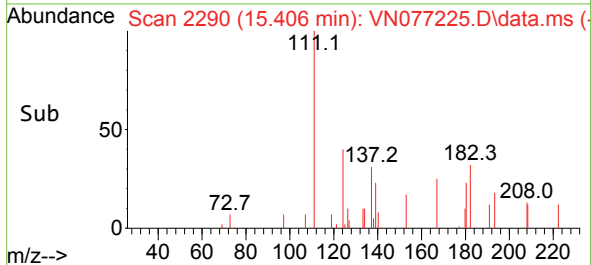
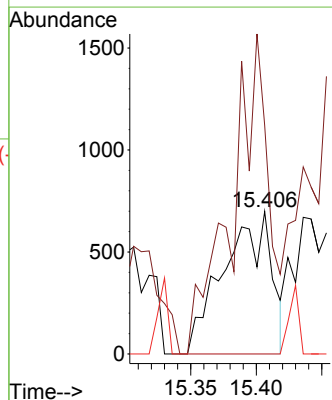
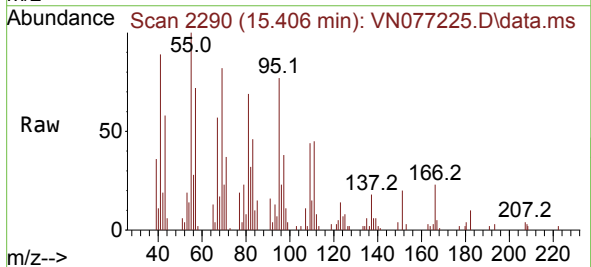
Instrument :
 MSVOA_N
 ClientSampleId :
 152140-TCLP-Y-032323

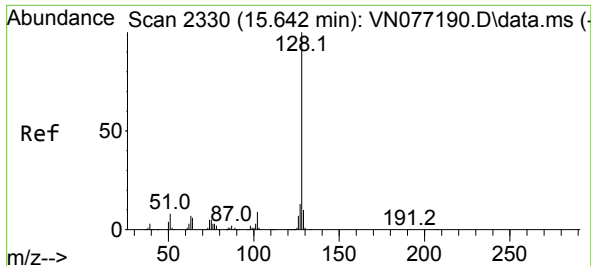
Tgt Ion:105 Resp: 6090
 Ion Ratio Lower Upper
 105 100
 134 11.3 10.4 31.2



#93
 1,2,4-Trichlorobenzene
 Concen: 4.763 ug/l
 RT: 15.406 min Scan# 2290
 Delta R.T. 0.011 min
 Lab File: VN077225.D
 Acq: 28 Mar 2023 01:06

Tgt Ion:180 Resp: 1766
 Ion Ratio Lower Upper
 180 100
 182 173.6 47.4 142.2#
 145 0.0 15.8 47.3#

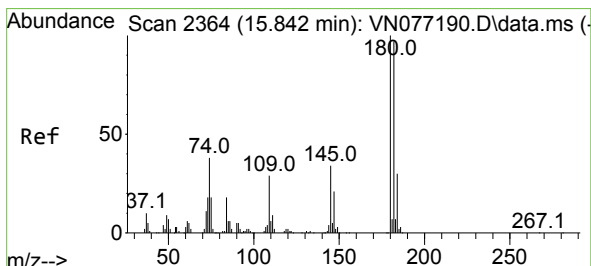
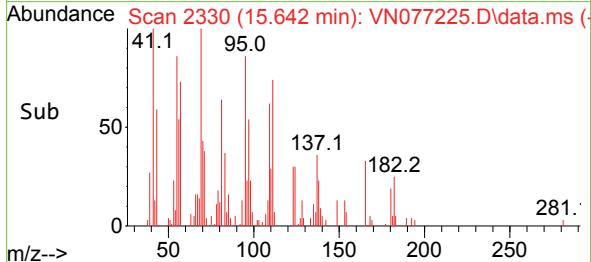
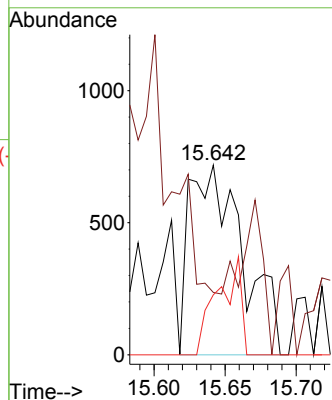
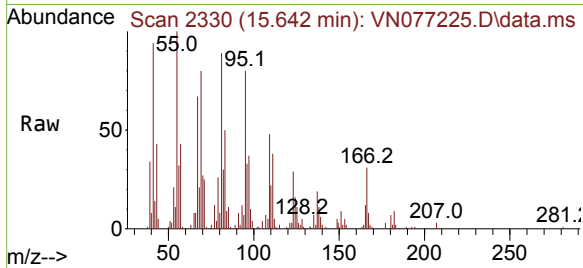




#95
Naphthalene
Concen: 6.033 ug/l
RT: 15.642 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Y-032323

Tgt Ion:128 Resp: 1875
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 6.954 ug/l
RT: 15.865 min Scan# 2368
Delta R.T. 0.023 min
Lab File: VN077225.D
Acq: 28 Mar 2023 01:06

Tgt Ion:180 Resp: 10429
Ion Ratio Lower Upper
180 100
182 0.0 47.7 143.1#
145 0.6 17.0 51.0#

