

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077218.D
 Acq On : 27 Mar 2023 22:17
 Operator : JC\MD
 Sample : 02081-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 152140-TCLP-B-032223

Quant Time: Mar 28 07:46:19 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)

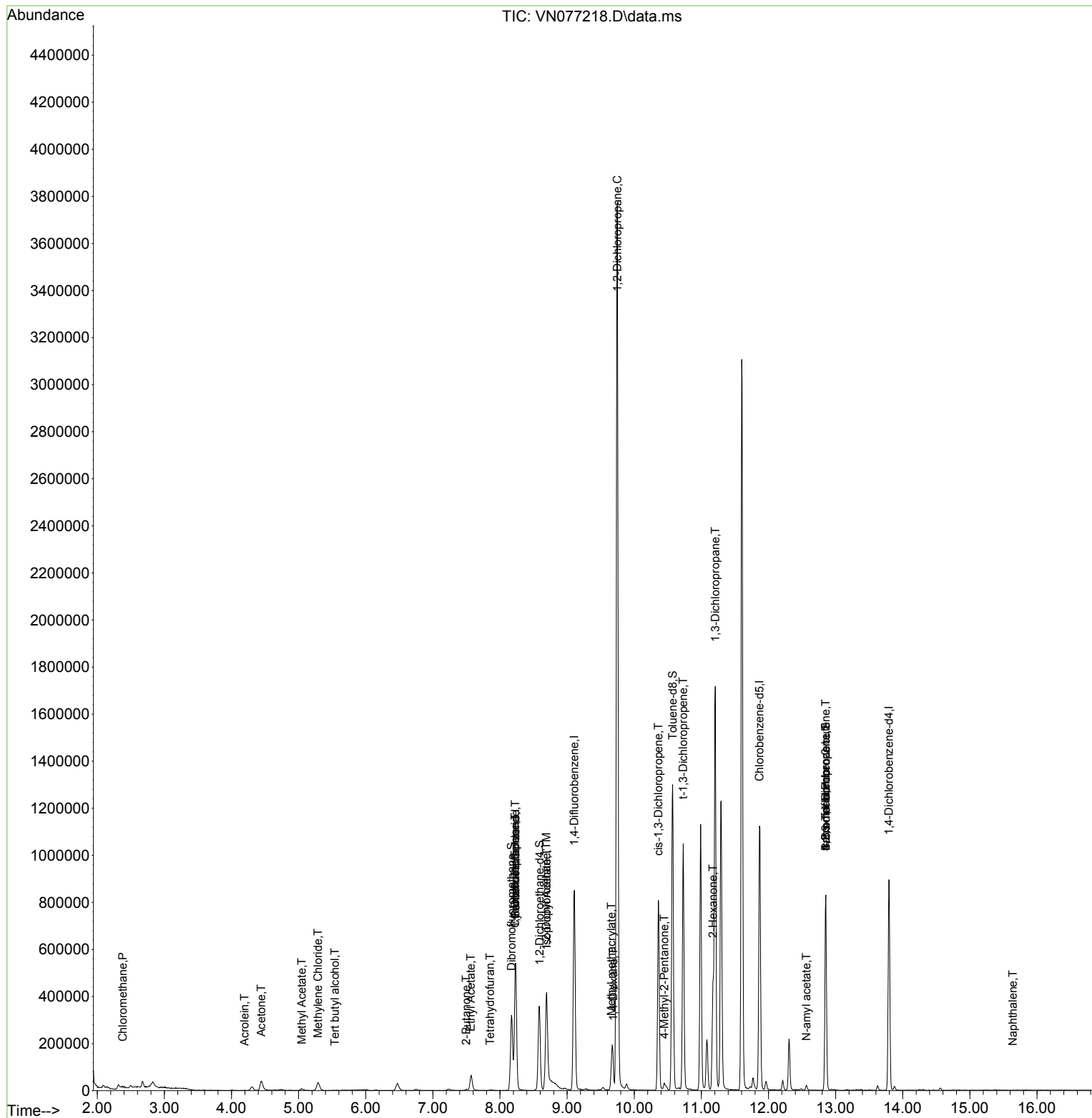
Internal Standards						
1) Pentafluorobenzene	8.231	168	384909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	697987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	637262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	228461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	294417	48.921	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.840%		
35) Dibromofluoromethane	8.172	113	220638	46.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.180%		
50) Toluene-d8	10.572	98	865464	48.768	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.540%		
62) 4-Bromofluorobenzene	12.854	95	259094	44.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.960%		
Target Compounds						Qvalue
3) Chloromethane	2.378	50	1693	0.301	ug/l	97
11) Tert butyl alcohol	5.543	59	289	0.352	ug/l #	72
13) Acrolein	4.196	56	865	0.752	ug/l	99
16) Acetone	4.443	43	75302	33.651	ug/l	93
18) Methyl Acetate	5.049	43	13227	1.477	ug/l #	81
20) Methylene Chloride	5.290	84	24528	4.922	ug/l #	82
25) 2-Butanone	7.495	43	6442	1.841	ug/l	91
29) Tetrahydrofuran	7.854	42	1531	0.661	ug/l #	49
31) Cyclohexane	8.225	56	10930	1.307	ug/l #	41
36) 1,1-Dichloropropene	8.225	75	36090	5.475	ug/l #	48
37) Ethyl Acetate	7.566	43	95529	13.002	ug/l #	91
38) Carbon Tetrachloride	8.231	117	41641	6.230	ug/l #	17
42) 1,2-Dichloroethane	8.689	62	2702	0.355	ug/l #	71
43) Isopropyl Acetate	8.695	43	518192	43.716	ug/l #	72
45) 1,2-Dichloropropane	9.748	63	4785	0.891	ug/l #	43
48) Methyl methacrylate	9.660	41	18145	3.179	ug/l #	28
49) 1,4-Dioxane	9.689	88	99	1.017	ug/l #	30
51) 4-Methyl-2-Pentanone	10.448	43	31305	4.197	ug/l #	60
53) t-1,3-Dichloropropene	10.731	75	2519	0.355	ug/l #	50
54) cis-1,3-Dichloropropene	10.360	75	131645	16.974	ug/l #	71
57) 1,3-Dichloropropane	11.207	76	16842	1.953	ug/l #	43
59) 2-Hexanone	11.172	43	361973	67.532	ug/l #	17
71) Bromoform	12.854	173	2054	0.591	ug/l #	1
74) N-amyl acetate	12.566	43	2920	0.373	ug/l #	2
76) 1,2,3-Trichloropropane	12.854	75	145682	31.434	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	145682	90.597	ug/l #	15
95) Naphthalene	15.642	128	159	5.927	ug/l #	69

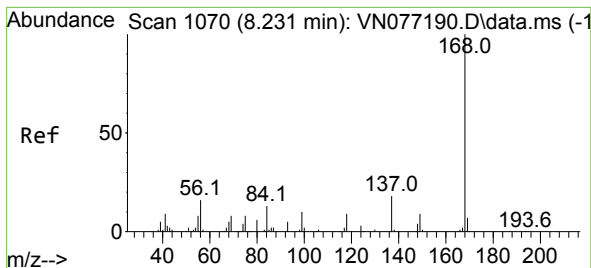
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
Data File : VN077218.D
Acq On : 27 Mar 2023 22:17
Operator : JC\MD
Sample : 02081-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

Quant Time: Mar 28 07:46:19 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

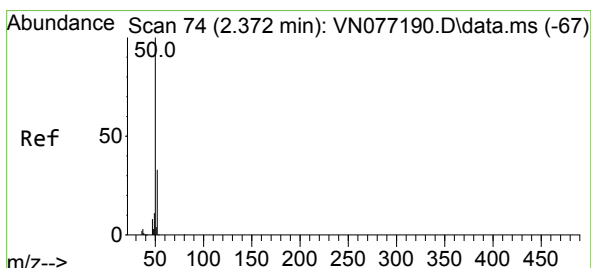
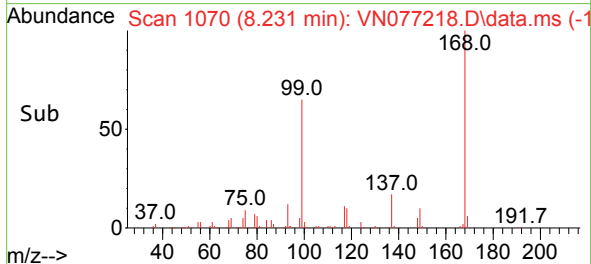
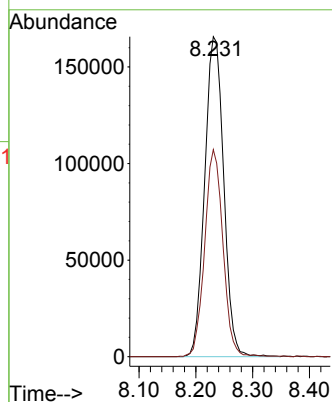
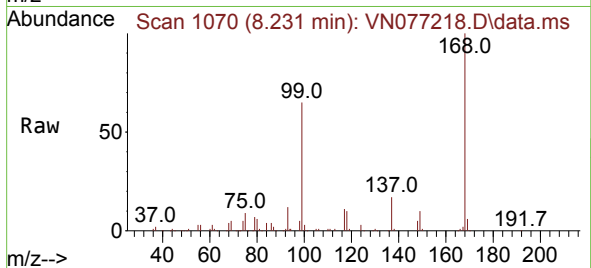
152140-TCLP-B-032223

Tgt Ion:168 Resp: 384909

Ion Ratio Lower Upper

168 100

99 64.6 48.6 73.0



#3

Chloromethane

Concen: 0.301 ug/l

RT: 2.378 min Scan# 75

Delta R.T. 0.006 min

Lab File: VN077218.D

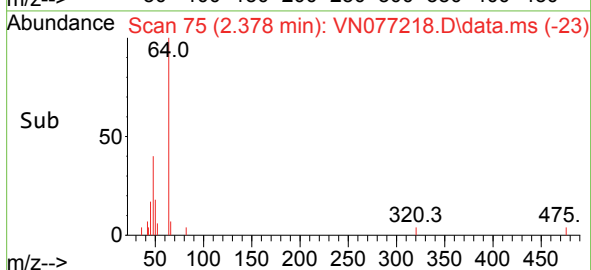
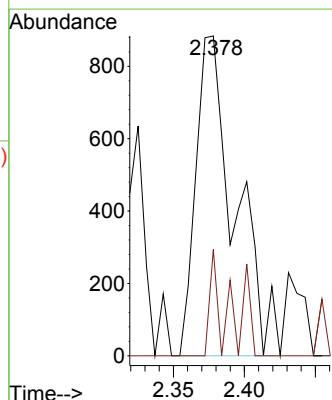
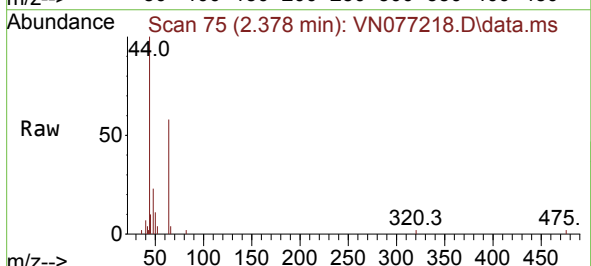
Acq: 27 Mar 2023 22:17

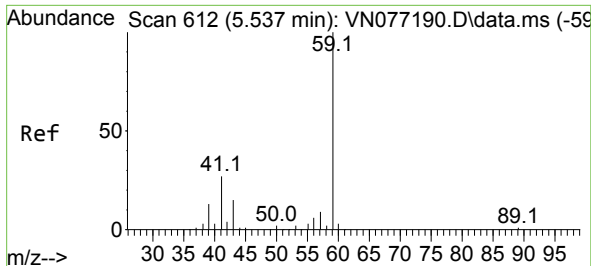
Tgt Ion: 50 Resp: 1693

Ion Ratio Lower Upper

50 100

52 33.3 27.9 41.9

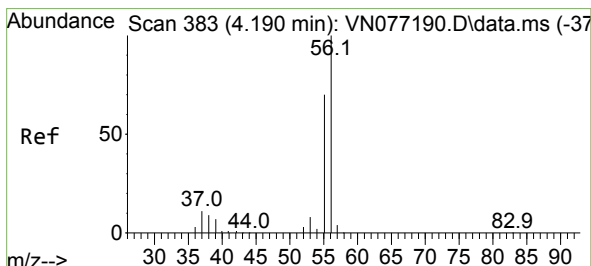
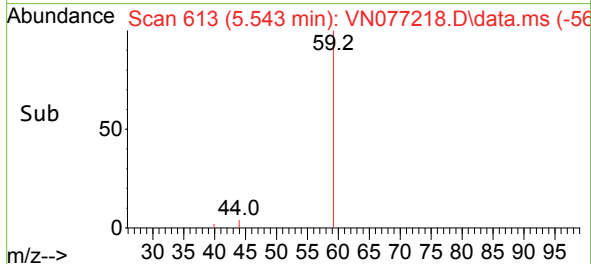
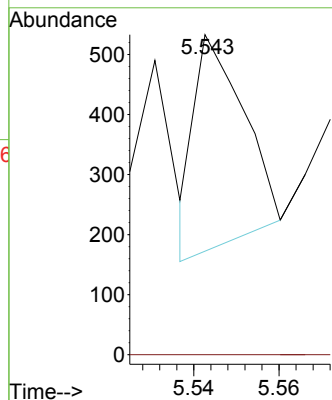
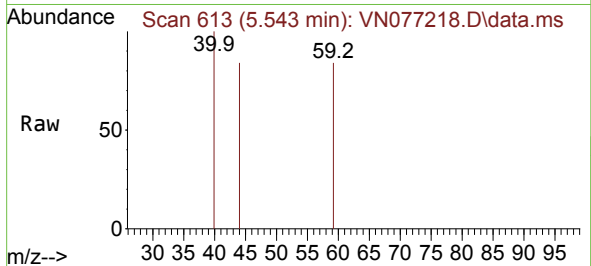




#11
Tert butyl alcohol
Concen: 0.352 ug/l
RT: 5.543 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

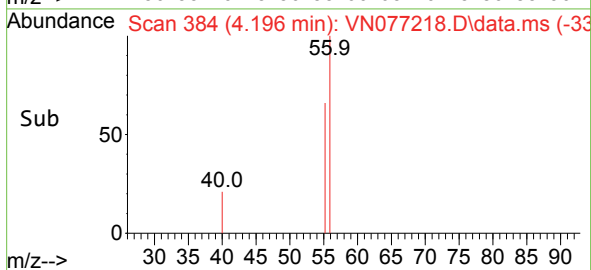
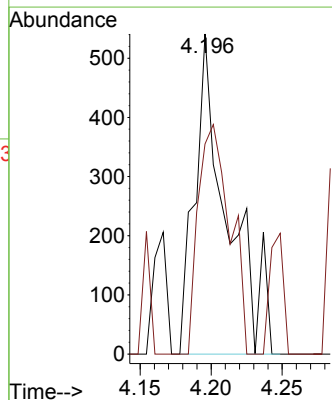
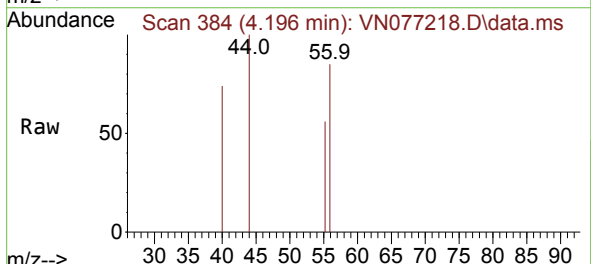
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

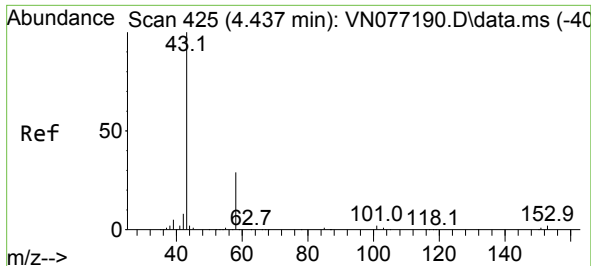
Tgt Ion: 59 Resp: 289
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.752 ug/l
RT: 4.196 min Scan# 384
Delta R.T. 0.006 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 56 Resp: 865
Ion Ratio Lower Upper
56 100
55 69.7 56.7 85.1

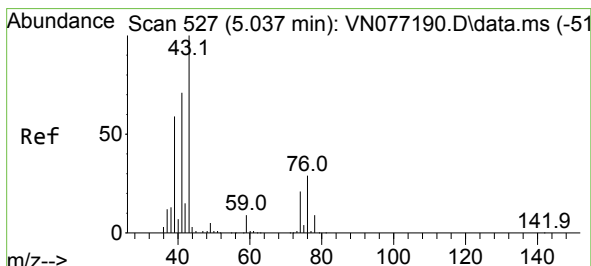
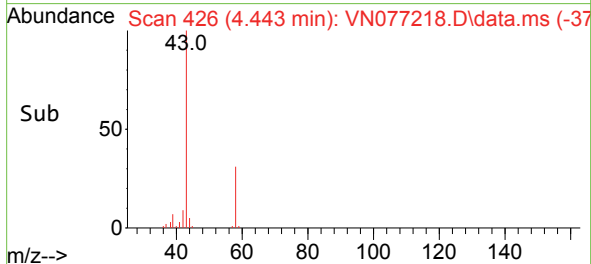
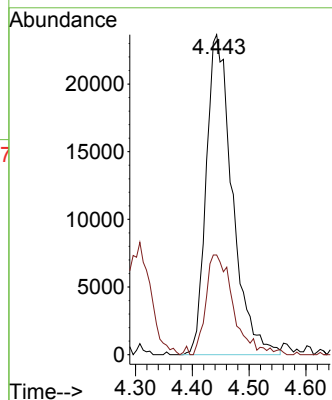
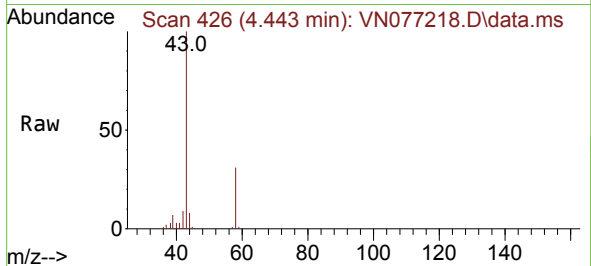




#16
Acetone
Concen: 33.651 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

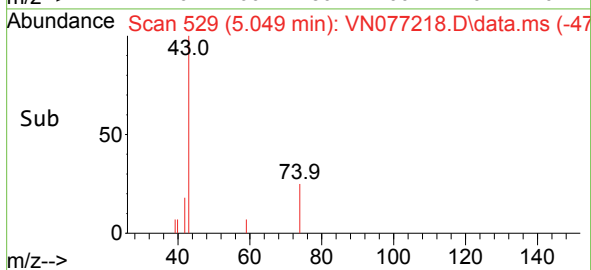
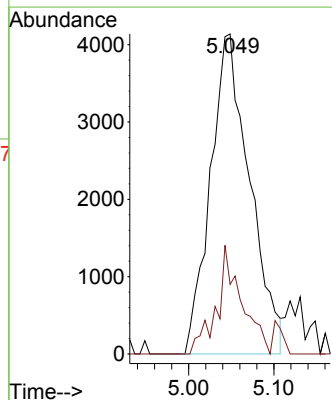
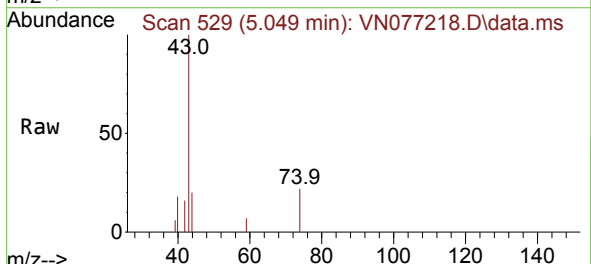
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

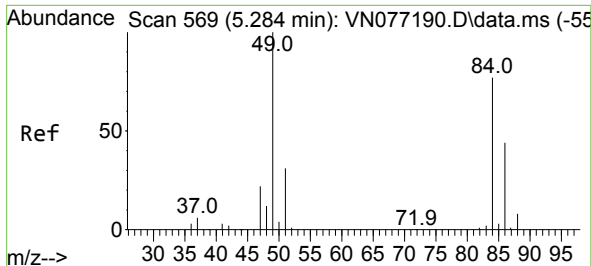
Tgt Ion: 43 Resp: 75302
Ion Ratio Lower Upper
43 100
58 31.2 28.2 42.2



#18
Methyl Acetate
Concen: 1.477 ug/l
RT: 5.049 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 43 Resp: 13227
Ion Ratio Lower Upper
43 100
74 21.7 25.9 38.9#

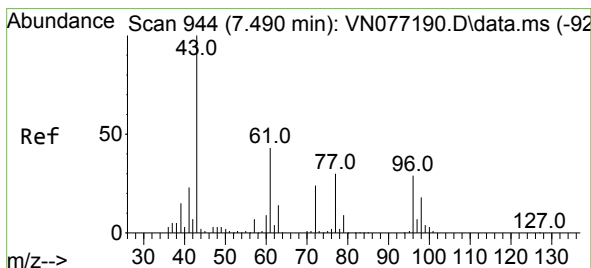
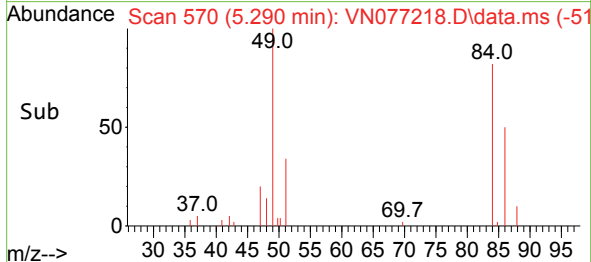
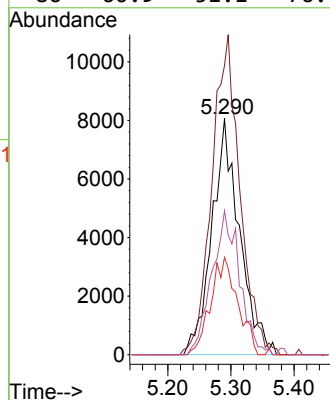
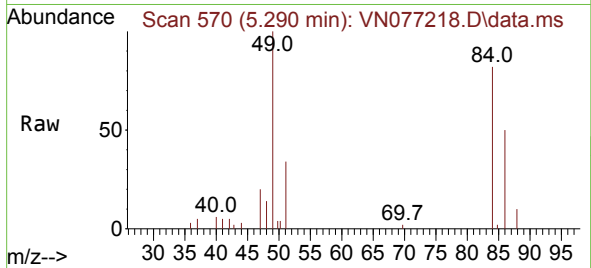




#20
Methylene Chloride
Concen: 4.922 ug/l
RT: 5.290 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

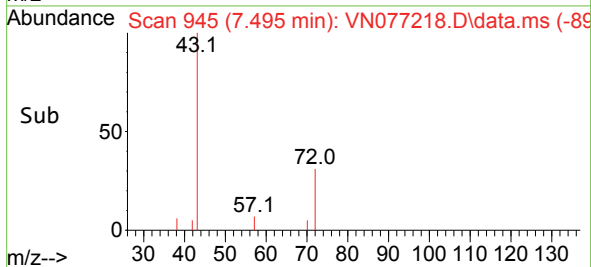
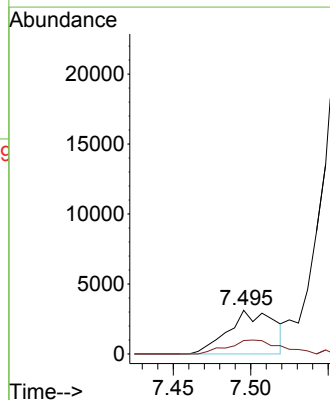
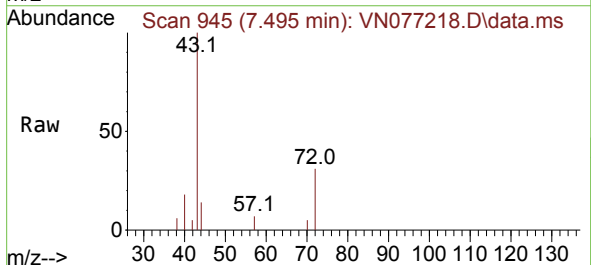
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

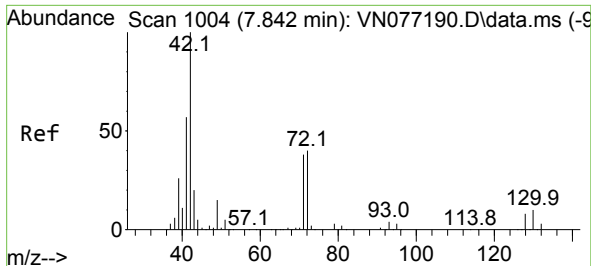
Tgt Ion: 84 Resp: 24528
Ion Ratio Lower Upper
84 100
49 122.4 76.6 114.8#
51 41.2 25.4 38.2#
86 60.9 51.1 76.7



#25
2-Butanone
Concen: 1.841 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 43 Resp: 6442
Ion Ratio Lower Upper
43 100
72 30.7 28.8 43.2





#29

Tetrahydrofuran

Concen: 0.661 ug/l

RT: 7.854 min Scan# 1069

Delta R.T. 0.012 min

Lab File: VN077218.D

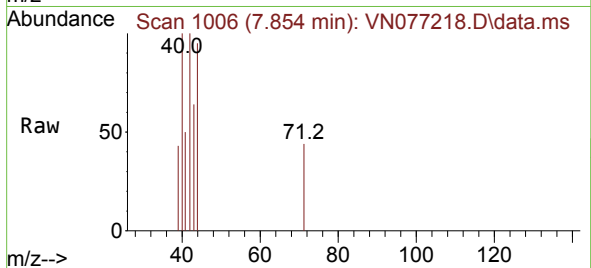
Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-B-032223



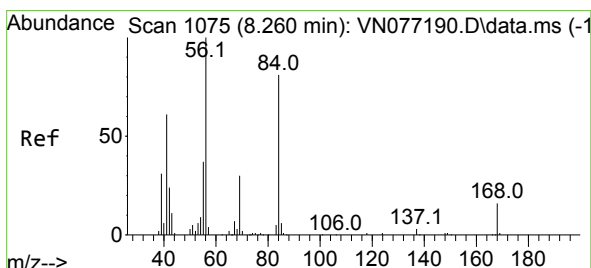
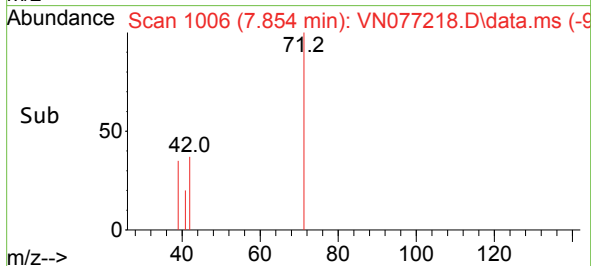
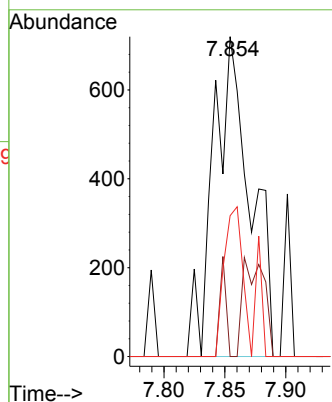
Tgt Ion: 42 Resp: 1531

Ion Ratio Lower Upper

42 100

72 17.5 48.6 73.0#

71 23.3 45.1 67.7#



#31

Cyclohexane

Concen: 1.307 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.035 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

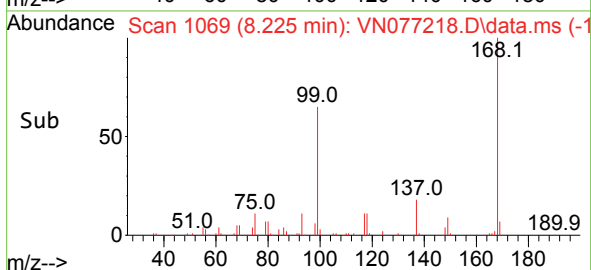
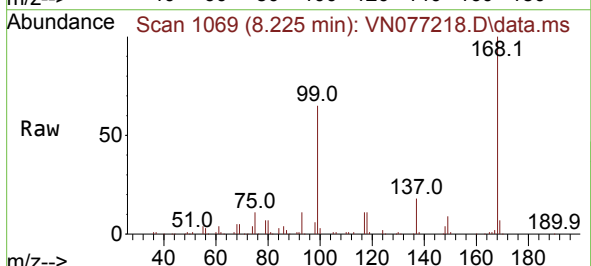
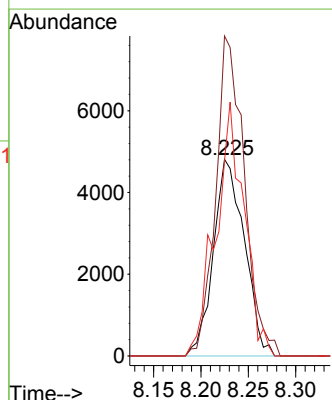
Tgt Ion: 56 Resp: 10930

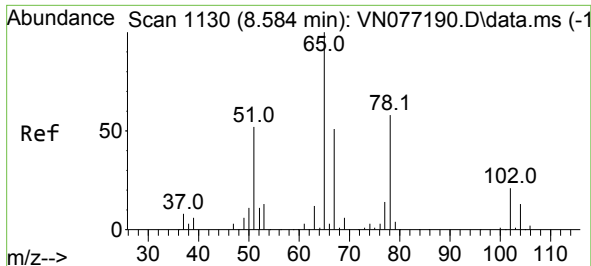
Ion Ratio Lower Upper

56 100

69 162.8 27.0 40.6#

84 99.3 82.9 124.3

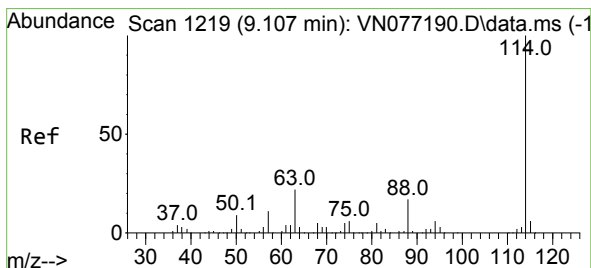
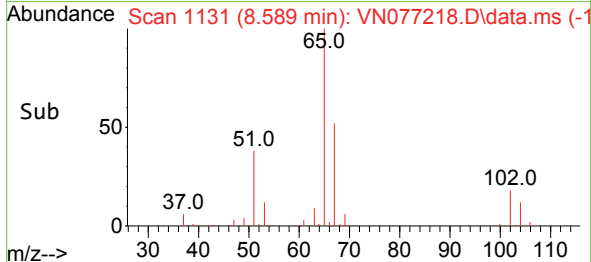
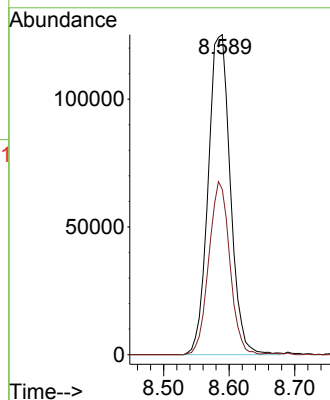
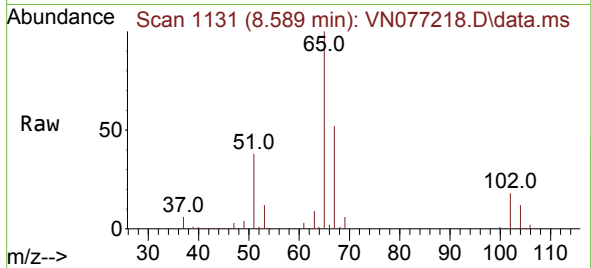




#33
 1,2-Dichloroethane-d4
 Concen: 48.921 ug/l
 RT: 8.589 min Scan# 1130
 Delta R.T. 0.005 min
 Lab File: VN077218.D
 Acq: 27 Mar 2023 22:17

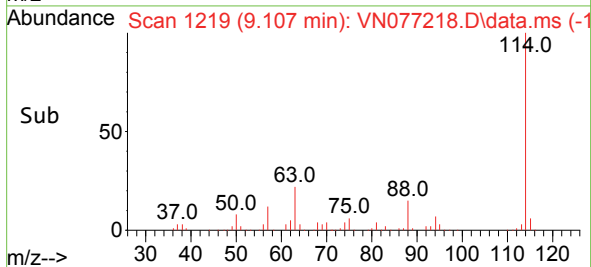
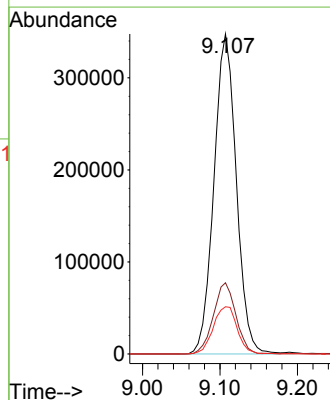
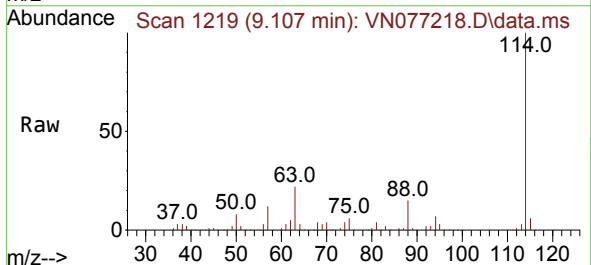
Instrument :
 MSVOA_N
 ClientSampleId :
 152140-TCLP-B-032223

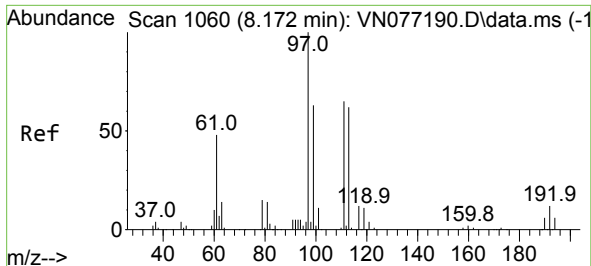
Tgt Ion: 65 Resp: 294417
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN077218.D
 Acq: 27 Mar 2023 22:17

Tgt Ion: 114 Resp: 697987
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 36.6
 88 14.8 0.0 28.6

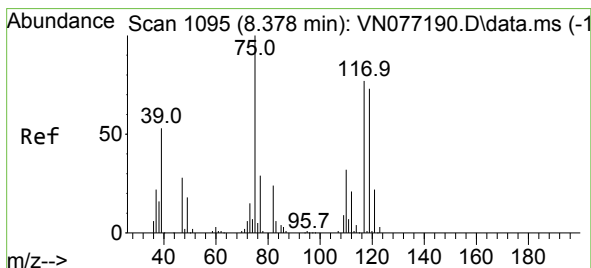
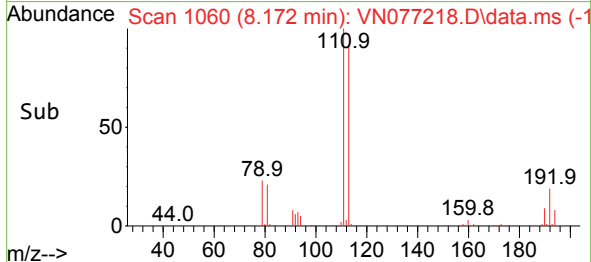
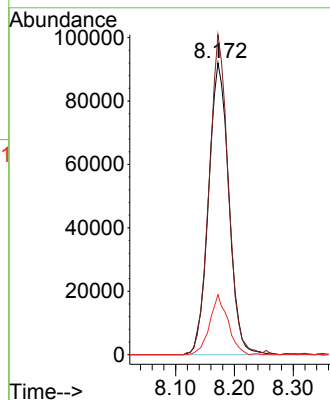
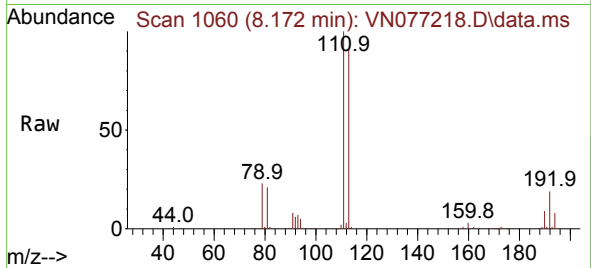




#35
Dibromofluoromethane
Concen: 46.586 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

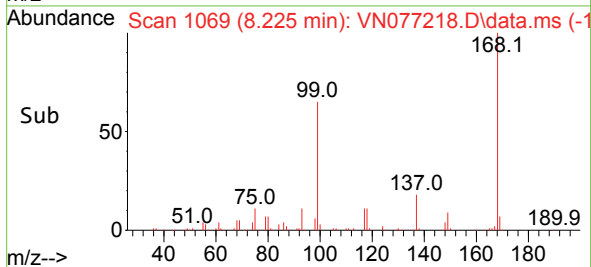
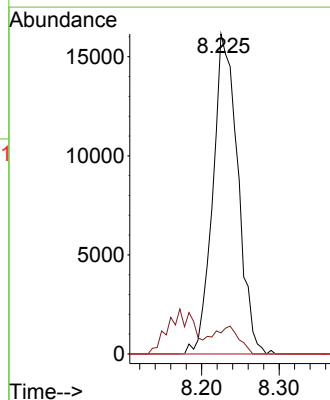
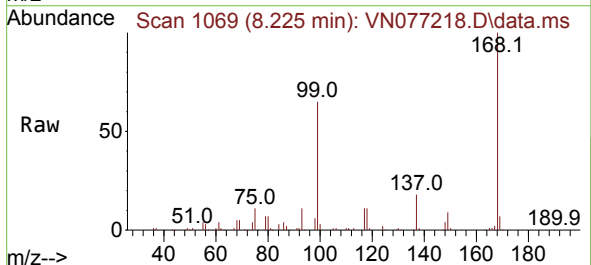
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

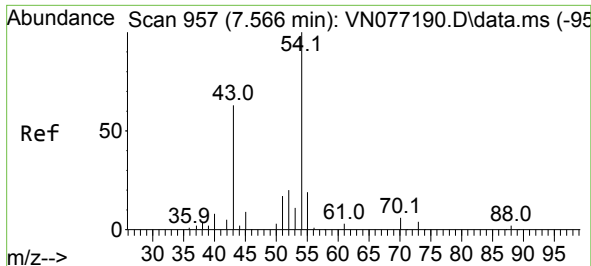
Tgt Ion:113 Resp: 220638
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 18.5 13.9 20.9



#36
1,1-Dichloropropene
Concen: 5.475 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 75 Resp: 36090
Ion Ratio Lower Upper
75 100
110 9.1 18.9 56.9#
77 0.0 24.9 37.3#

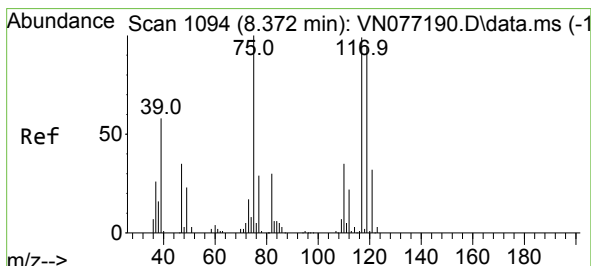
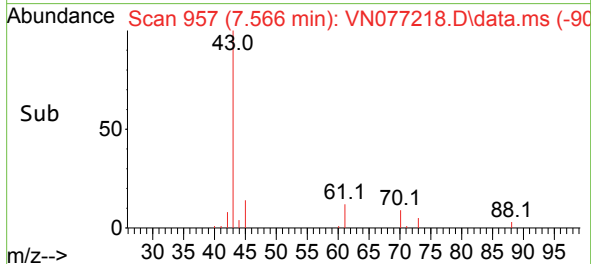
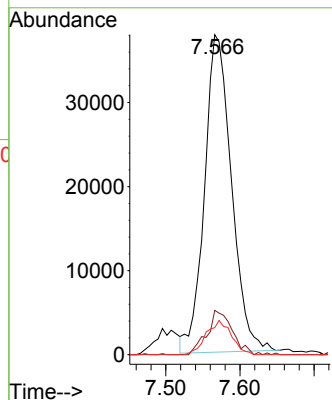
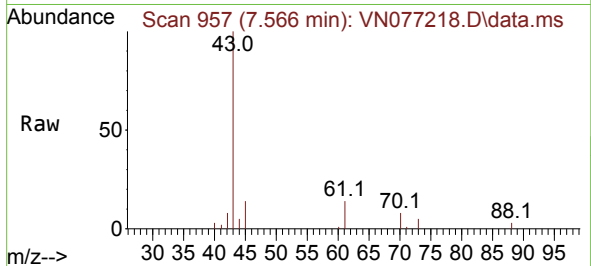




#37
Ethyl Acetate
Concen: 13.002 ug/l
RT: 7.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

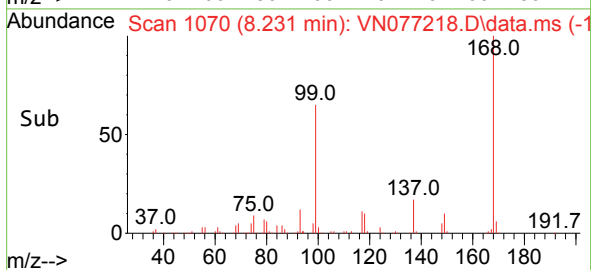
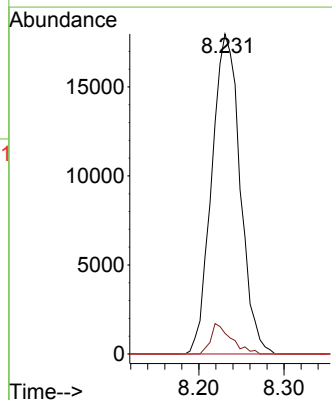
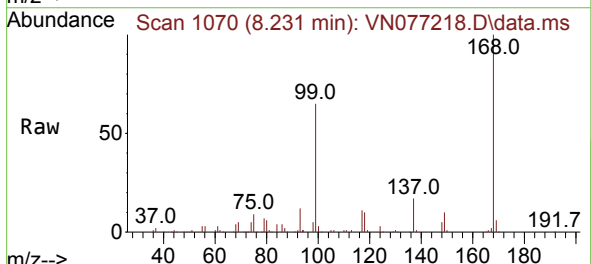
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

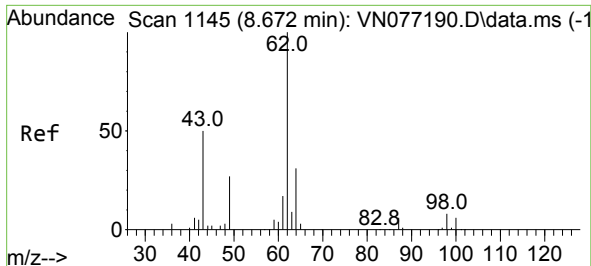
Tgt Ion: 43 Resp: 95529
Ion Ratio Lower Upper
43 100
61 13.1 13.5 20.3#
70 10.1 11.0 16.6#



#38
Carbon Tetrachloride
Concen: 6.230 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 117 Resp: 41641
Ion Ratio Lower Upper
117 100
119 6.5 76.9 115.3#
121 0.0 23.2 34.8#





#42

1,2-Dichloroethane

Concen: 0.355 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. 0.017 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

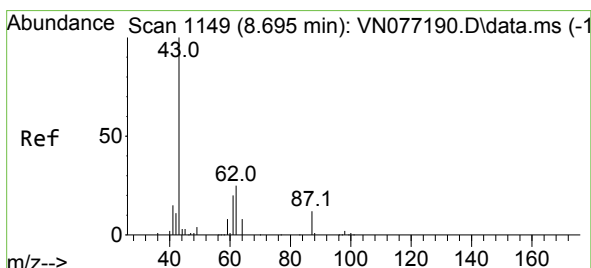
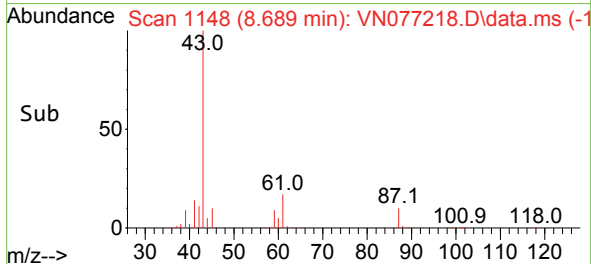
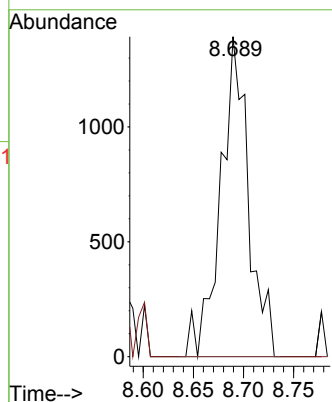
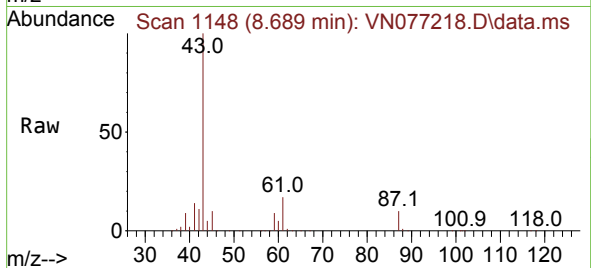
152140-TCLP-B-032223

Tgt Ion: 62 Resp: 2702

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8



#43

Isopropyl Acetate

Concen: 43.716 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

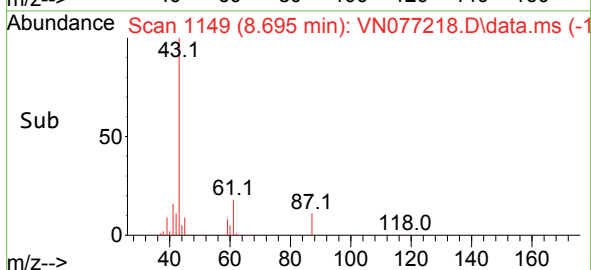
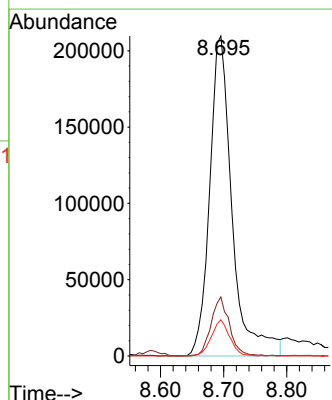
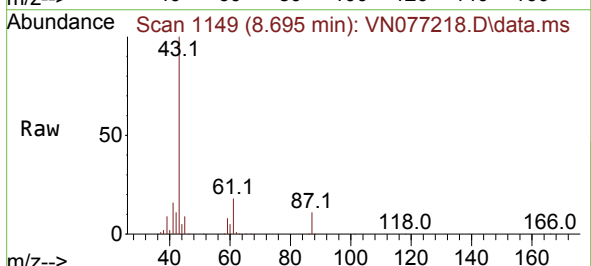
Tgt Ion: 43 Resp: 518192

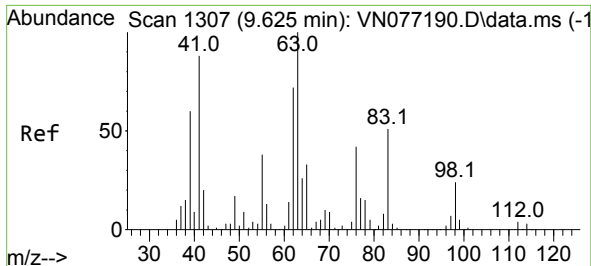
Ion Ratio Lower Upper

43 100

61 15.1 26.2 39.2#

87 9.1 14.8 22.2#





#45

1,2-Dichloropropane

Concen: 0.891 ug/l

RT: 9.748 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

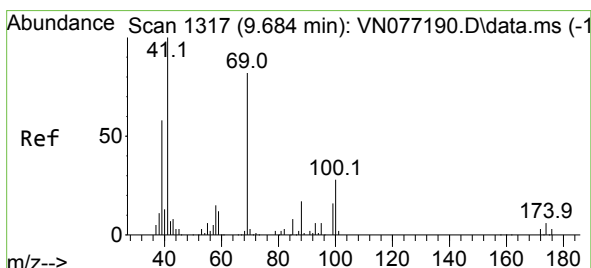
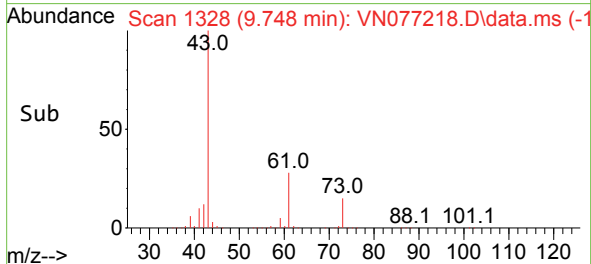
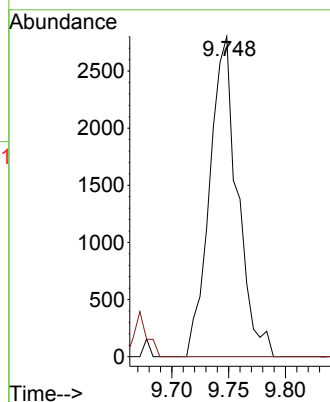
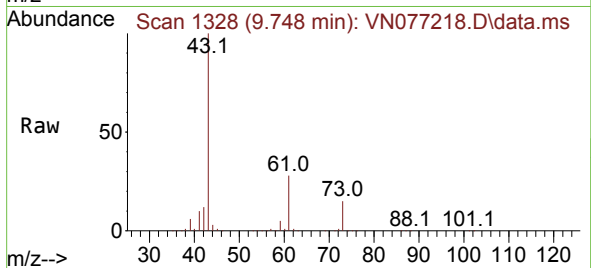
152140-TCLP-B-032223

Tgt Ion: 63 Resp: 4785

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#



#48

Methyl methacrylate

Concen: 3.179 ug/l

RT: 9.660 min Scan# 1313

Delta R.T. -0.024 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

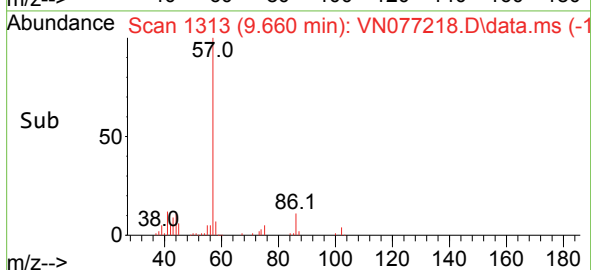
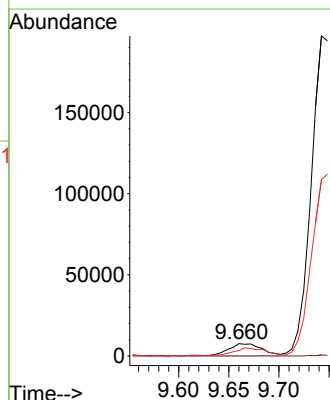
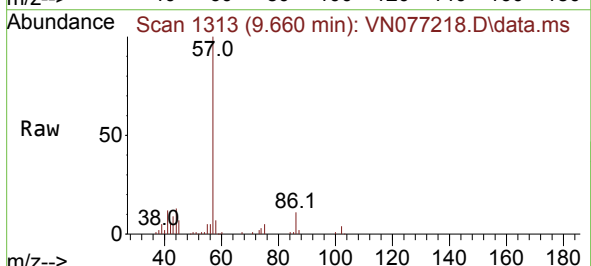
Tgt Ion: 41 Resp: 18145

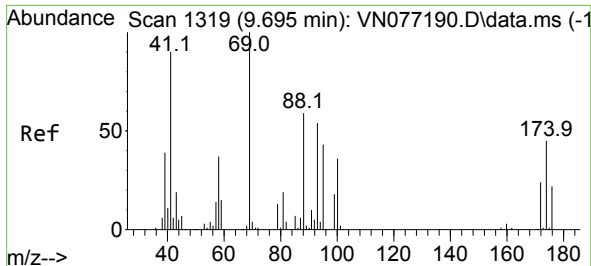
Ion Ratio Lower Upper

41 100

69 0.0 92.6 139.0#

39 55.5 51.4 77.0





#49

1,4-Dioxane

Concen: 1.017 ug/l

RT: 9.689 min Scan# 1319

Delta R.T. -0.006 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-B-032223

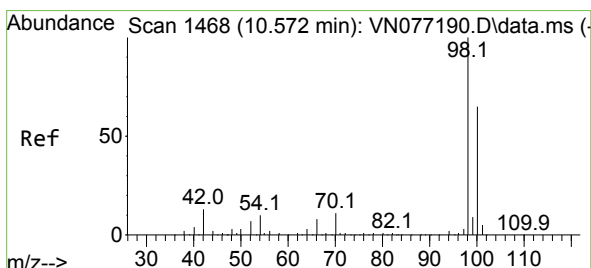
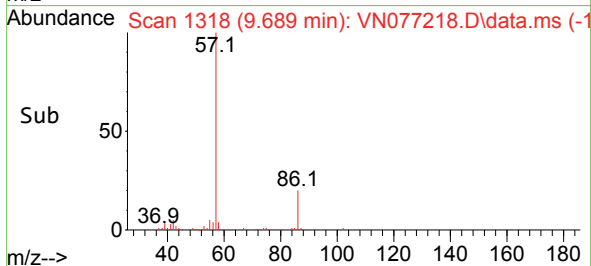
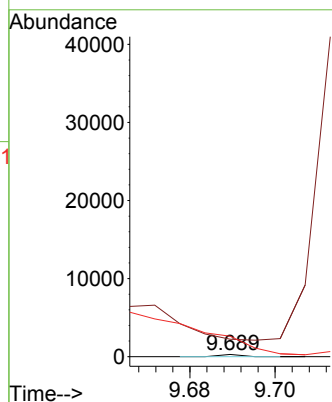
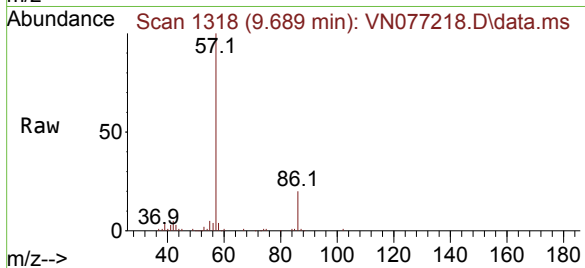
Tgt Ion: 88 Resp: 99

Ion Ratio Lower Upper

88 100

43 0.0 15.3 22.9#

58 0.0 47.6 71.4#



#50

Toluene-d8

Concen: 48.768 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077218.D

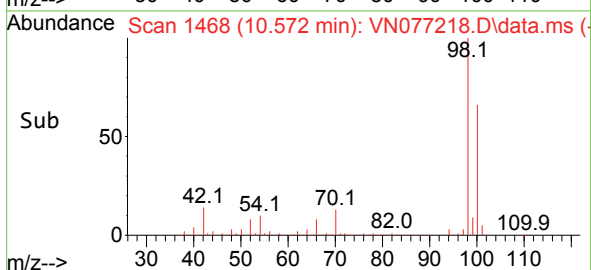
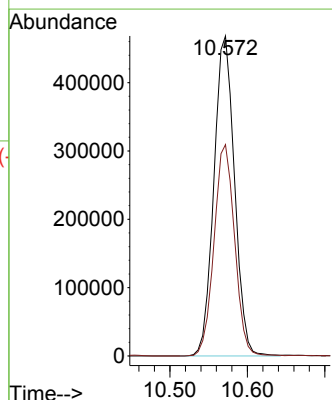
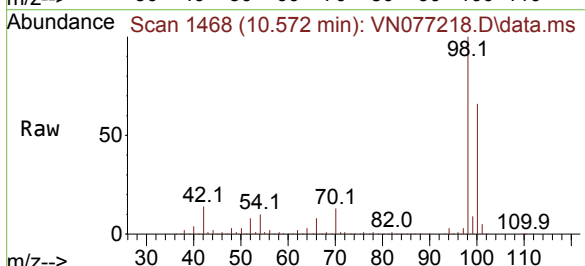
Acq: 27 Mar 2023 22:17

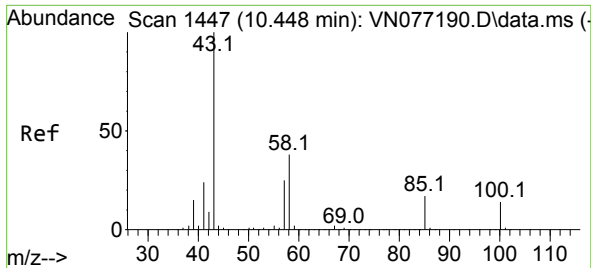
Tgt Ion: 98 Resp: 865464

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2

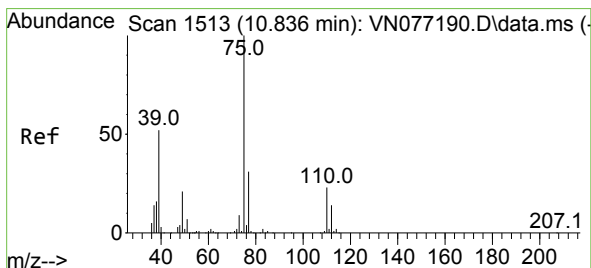
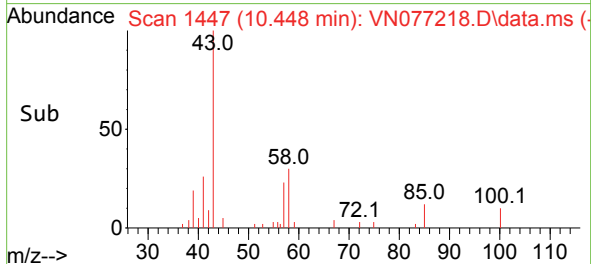
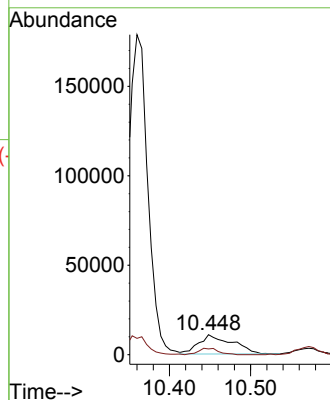
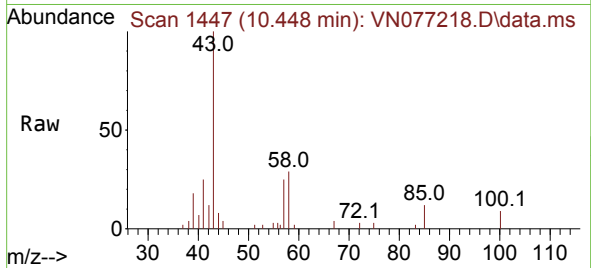




#51
4-Methyl-2-Pentanone
Concen: 4.197 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

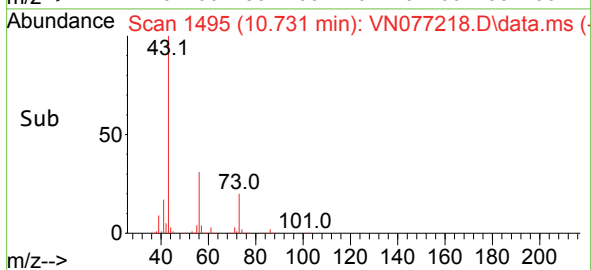
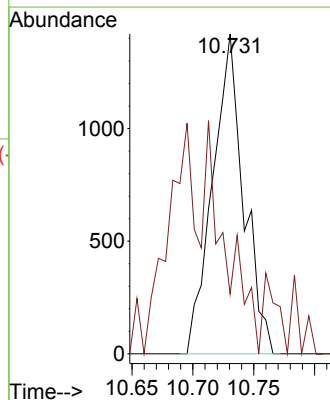
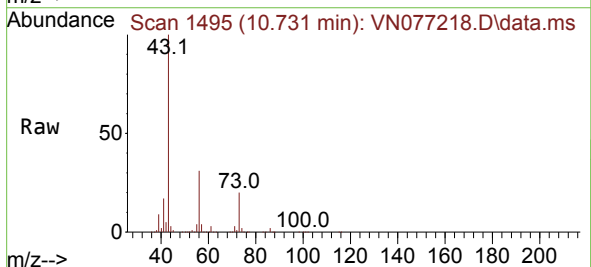
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

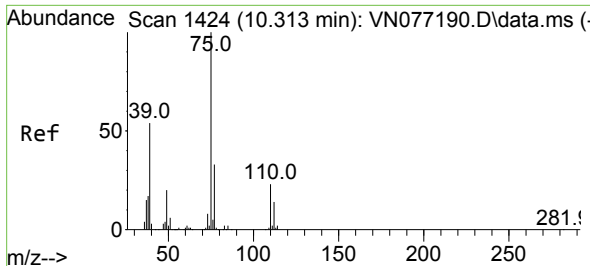
Tgt Ion: 43 Resp: 31305
Ion Ratio Lower Upper
43 100
58 19.9 37.4 56.0#



#53
t-1,3-Dichloropropene
Concen: 0.355 ug/l
RT: 10.731 min Scan# 1495
Delta R.T. -0.105 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 75 Resp: 2519
Ion Ratio Lower Upper
75 100
77 3.9 25.0 37.6#

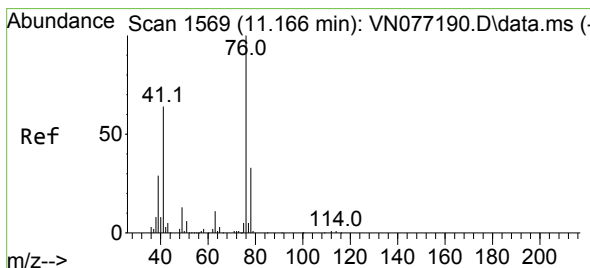
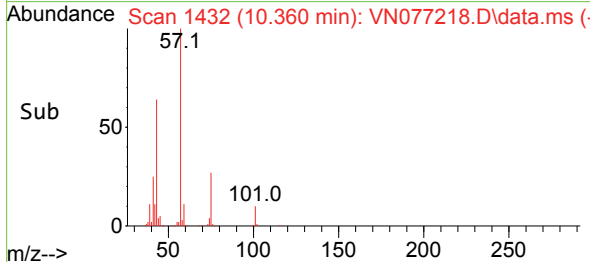
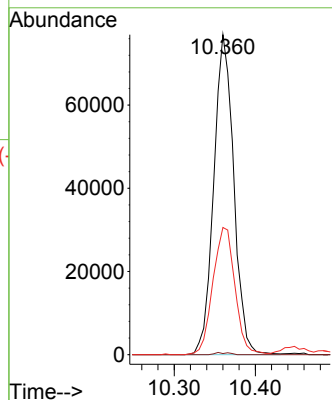
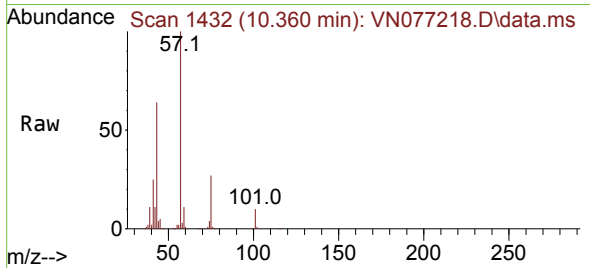




#54
cis-1,3-Dichloropropene
Concen: 16.974 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

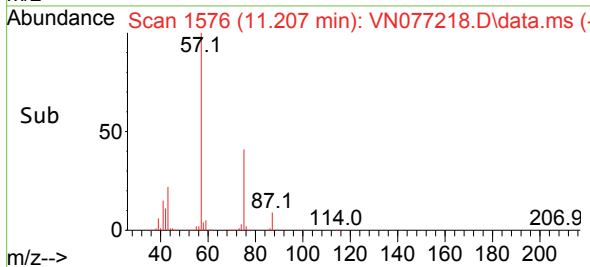
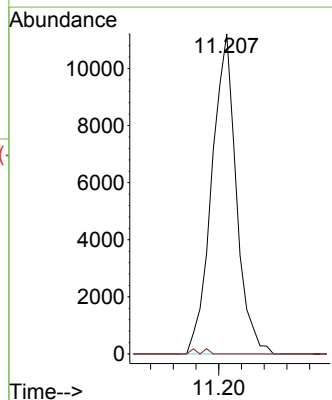
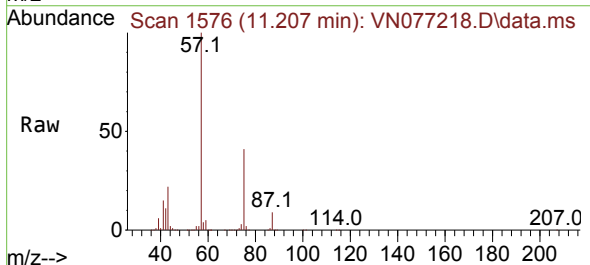
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

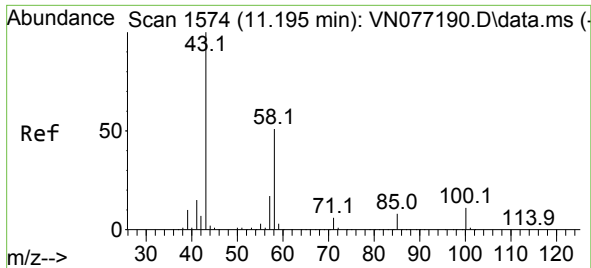
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.3	25.7	38.5#
39	39.8	29.7	44.5



#57
1,3-Dichloropropane
Concen: 1.953 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.8	26.1	39.1#

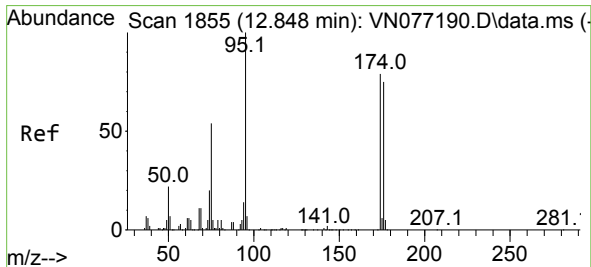
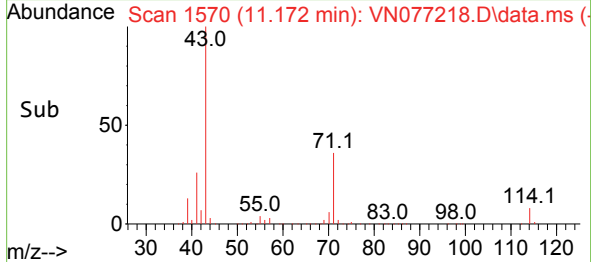
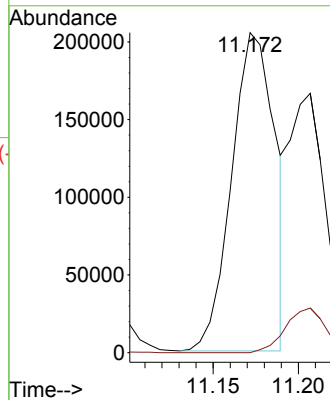
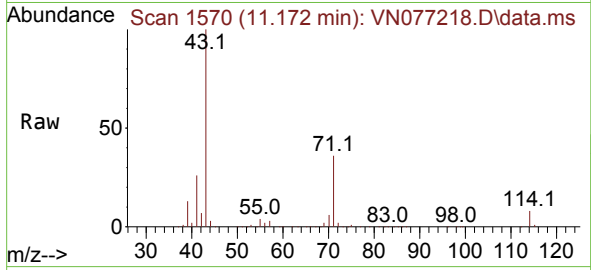




#59
2-Hexanone
Concen: 67.532 ug/l
RT: 11.172 min Scan# 11172
Delta R.T. -0.023 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

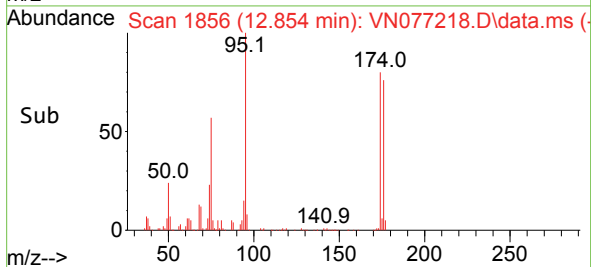
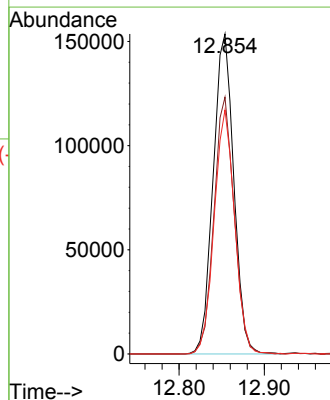
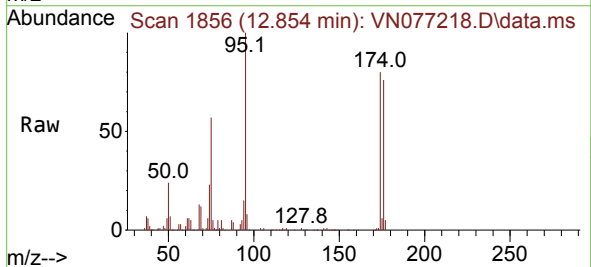
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

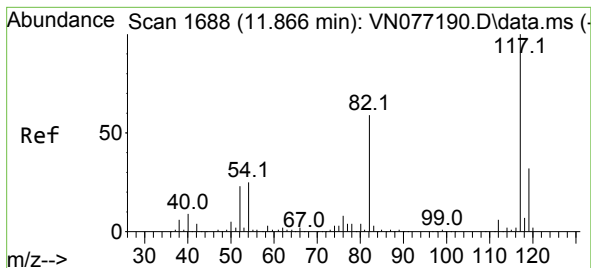
Tgt Ion: 43 Resp: 361973
Ion Ratio Lower Upper
43 100
58 0.0 32.6 98.0#



#62
4-Bromofluorobenzene
Concen: 44.485 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 95 Resp: 259094
Ion Ratio Lower Upper
95 100
174 78.8 0.0 162.4
176 75.6 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: VN077218.D

Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-B-032223

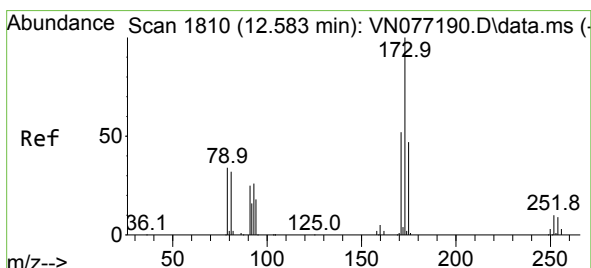
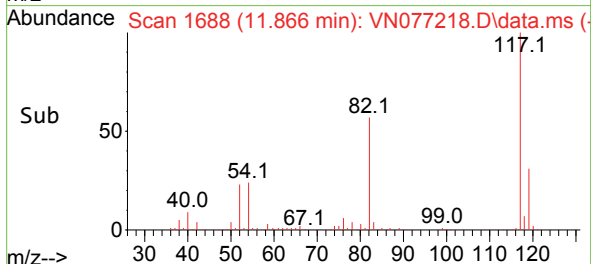
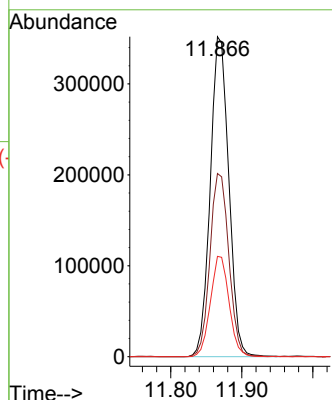
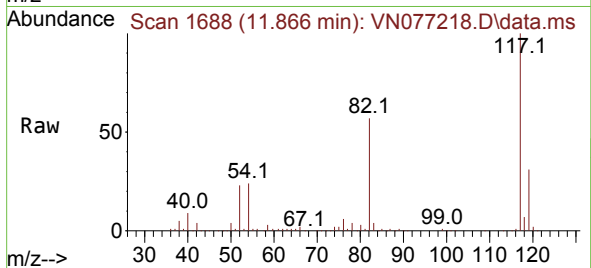
Tgt Ion:117 Resp: 637262

Ion Ratio Lower Upper

117 100

82 57.2 43.5 65.3

119 31.4 25.5 38.3



#71

Bromoform

Concen: 0.591 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.271 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

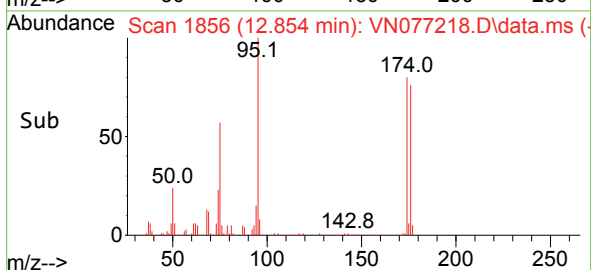
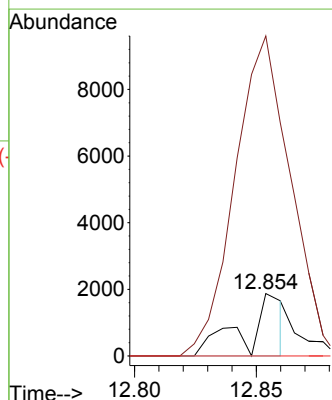
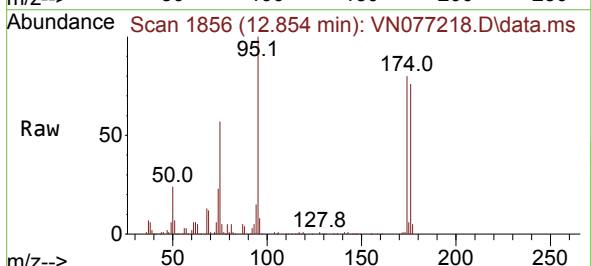
Tgt Ion:173 Resp: 2054

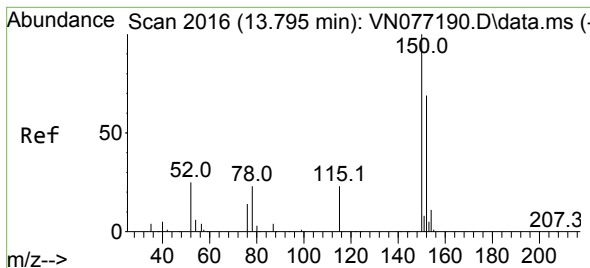
Ion Ratio Lower Upper

173 100

175 606.3 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: VN077218.D

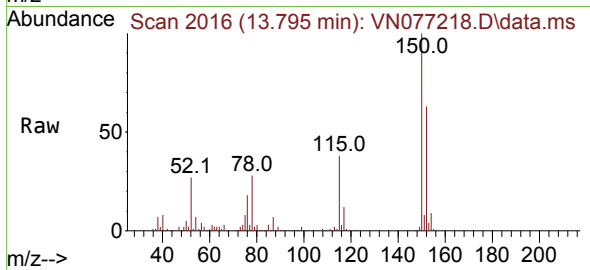
Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-B-032223



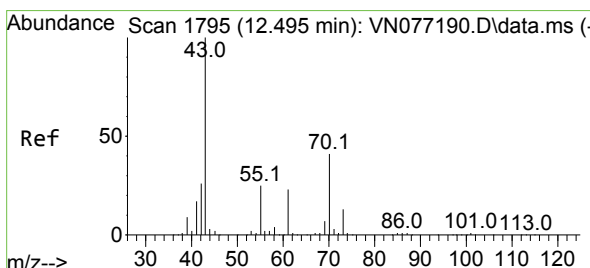
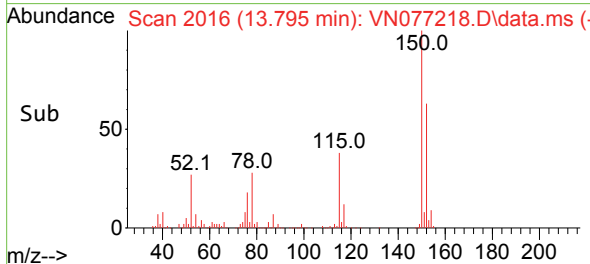
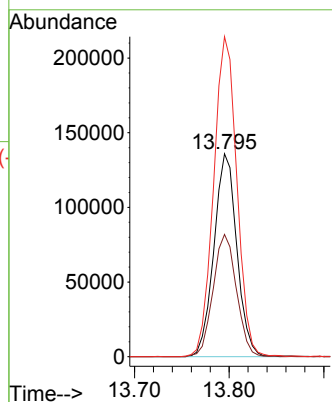
Tgt Ion:152 Resp: 228461

Ion Ratio Lower Upper

152 100

115 61.5 30.3 90.9

150 160.2 0.0 353.6



#74

N-ethyl acetate

Concen: 0.373 ug/l

RT: 12.566 min Scan# 1807

Delta R.T. 0.071 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

Tgt Ion: 43 Resp: 2920

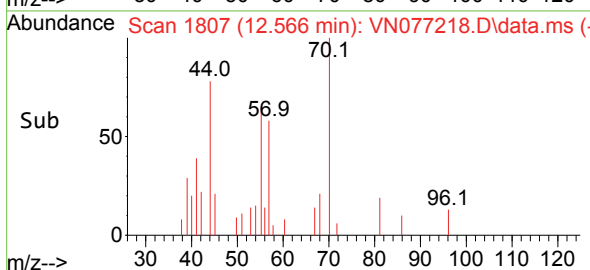
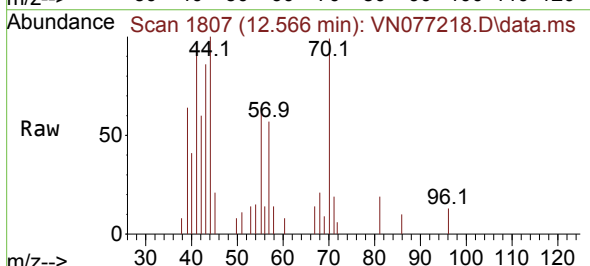
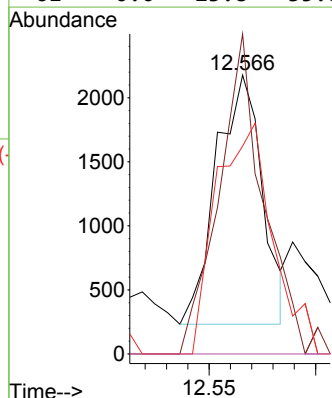
Ion Ratio Lower Upper

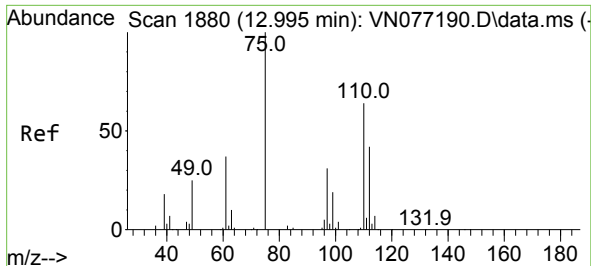
43 100

70 125.6 46.8 70.2#

55 114.5 23.4 35.2#

61 0.0 23.8 35.8#

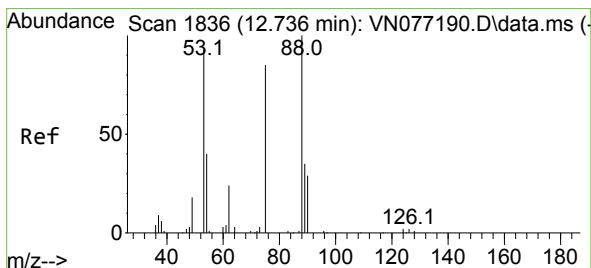
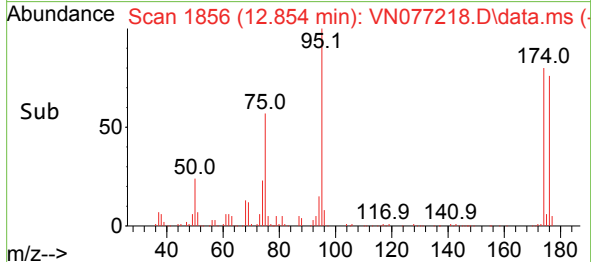
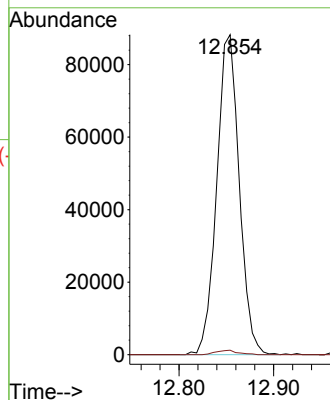
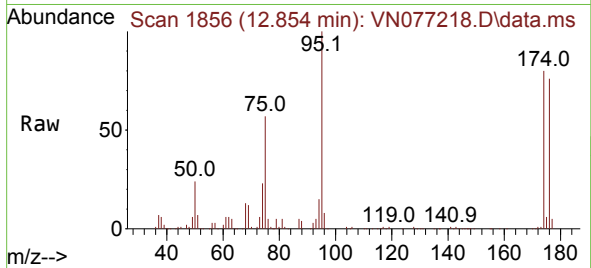




#76
1,2,3-Trichloropropane
Concen: 31.434 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

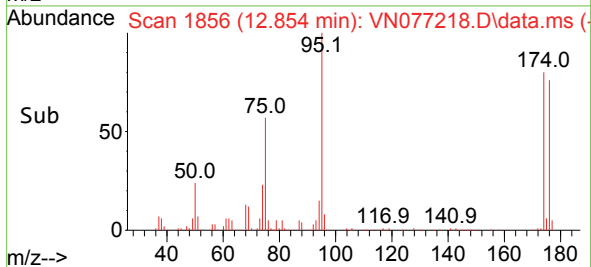
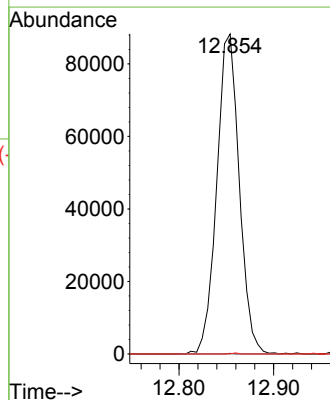
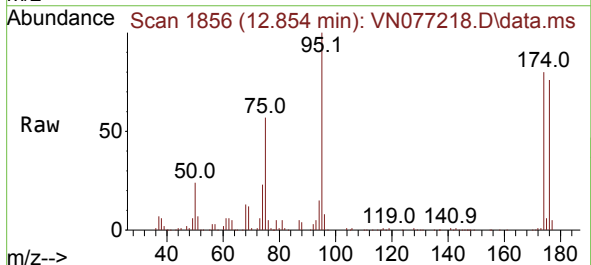
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

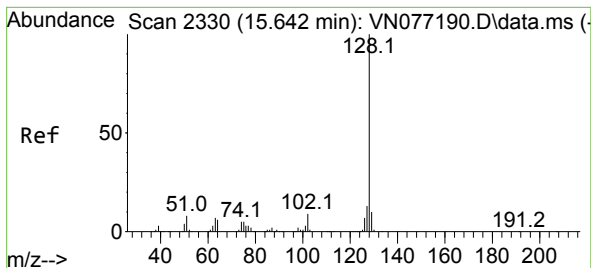
Tgt Ion: 75 Resp: 145682
Ion Ratio Lower Upper
75 100
77 1.3 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.597 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 75 Resp: 145682
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.0#
89 0.1 39.5 59.3#





#95

Naphthalene

Concen: 5.927 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077218.D

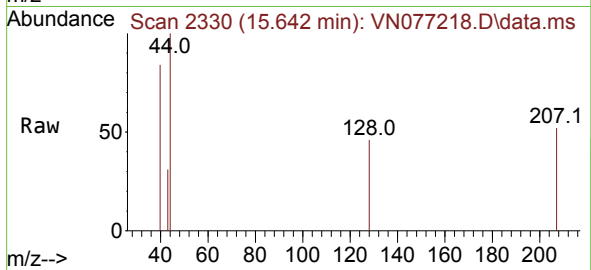
Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-B-032223



Tgt Ion:128 Resp: 159

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.9 13.3#

