

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077220.D
 Acq On : 27 Mar 2023 23:05
 Operator : JC\MD
 Sample : 02081-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Mar 28 07:47:18 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)

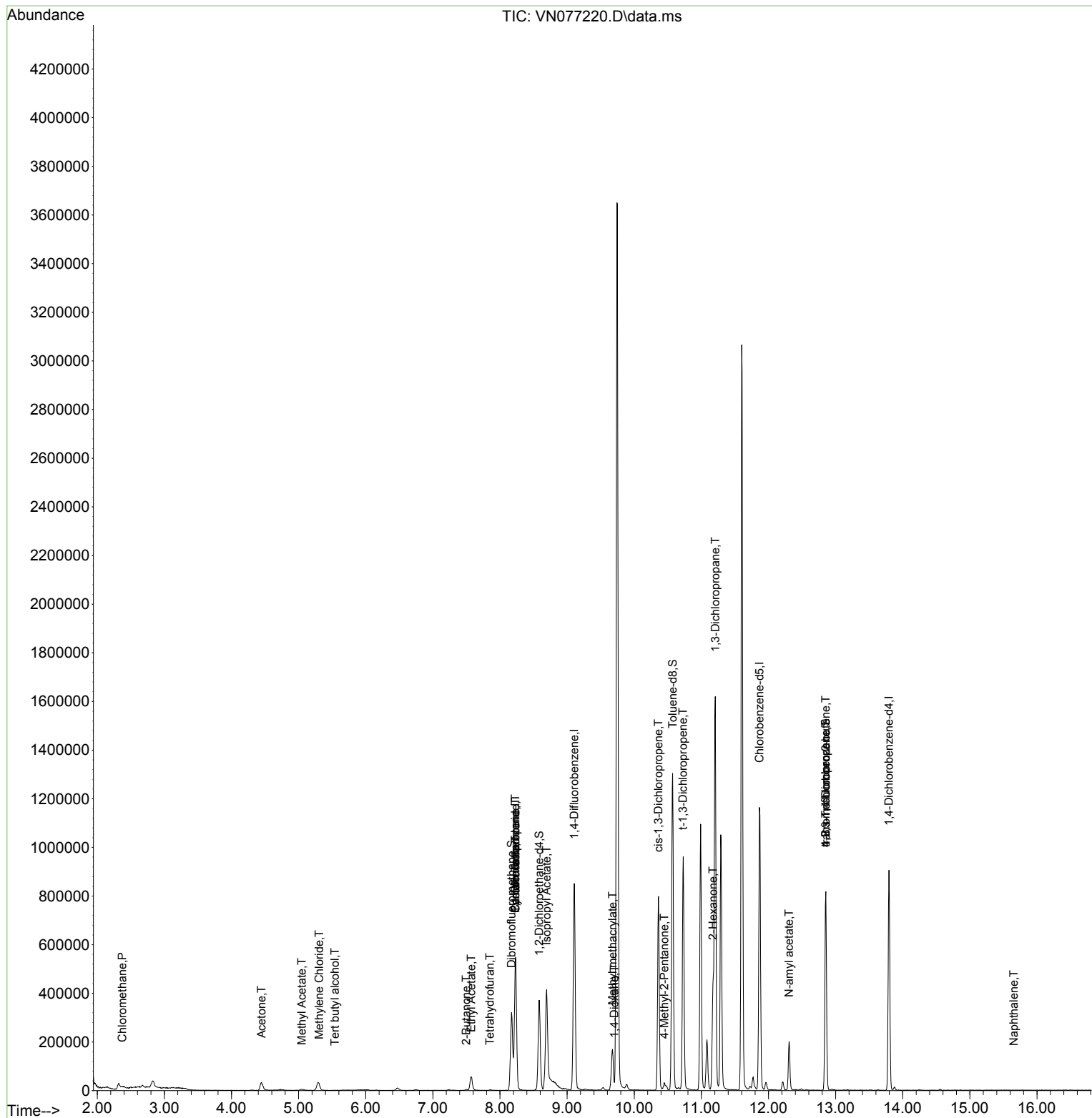
Internal Standards						
1) Pentafluorobenzene	8.231	168	376140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	696978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	643280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	229451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	295021	50.164	ug/l	0.00
Spiked Amount 50.000	Range	74 - 125	Recovery	=	100.320%	
35) Dibromofluoromethane	8.172	113	221589	46.854	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	=	93.700%	
50) Toluene-d8	10.572	98	873639	49.300	ug/l	0.00
Spiked Amount 50.000	Range	86 - 113	Recovery	=	98.600%	
62) 4-Bromofluorobenzene	12.854	95	260983	44.874	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	=	89.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1281	0.233	ug/l #	85
11) Tert butyl alcohol	5.543	59	403	0.503	ug/l #	72
16) Acetone	4.449	43	65737	30.062	ug/l #	87
18) Methyl Acetate	5.048	43	10864	1.242	ug/l #	70
20) Methylene Chloride	5.307	84	23855	4.899	ug/l	85
25) 2-Butanone	7.495	43	5330	1.559	ug/l #	63
29) Tetrahydrofuran	7.848	42	1731	0.764	ug/l #	55
31) Cyclohexane	8.231	56	12079	1.478	ug/l #	47
36) 1,1-Dichloropropene	8.231	75	35047	5.325	ug/l #	48
37) Ethyl Acetate	7.572	43	87838	11.972	ug/l #	91
38) Carbon Tetrachloride	8.231	117	42033	6.298	ug/l #	18
43) Isopropyl Acetate	8.695	43	520537	43.978	ug/l #	71
48) Methyl methacrylate	9.678	41	11424	2.004	ug/l #	29
49) 1,4-Dioxane	9.701	88	55	0.566	ug/l #	30
51) 4-Methyl-2-Pentanone	10.448	43	28427	3.817	ug/l #	64
53) t-1,3-Dichloropropene	10.725	75	2498	0.353	ug/l #	54
54) cis-1,3-Dichloropropene	10.360	75	129378	16.706	ug/l #	69
57) 1,3-Dichloropropane	11.207	76	17222	2.000	ug/l #	42
59) 2-Hexanone	11.172	43	349609	65.320	ug/l #	17
74) N-amyl acetate	12.307	43	69573	8.844	ug/l #	42
76) 1,2,3-Trichloropropane	12.854	75	144007	30.939	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	144007	89.169	ug/l #	15
95) Naphthalene	15.654	128	293	5.936	ug/l #	69

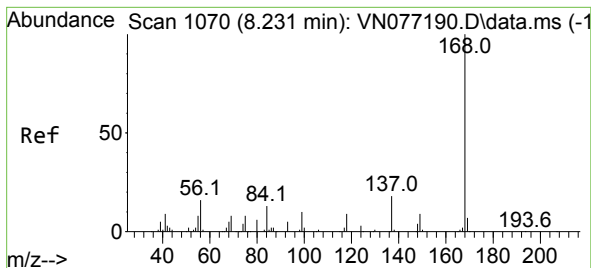
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
Data File : VN077220.D
Acq On : 27 Mar 2023 23:05
Operator : JC\MD
Sample : 02081-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Mar 28 07:47:18 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

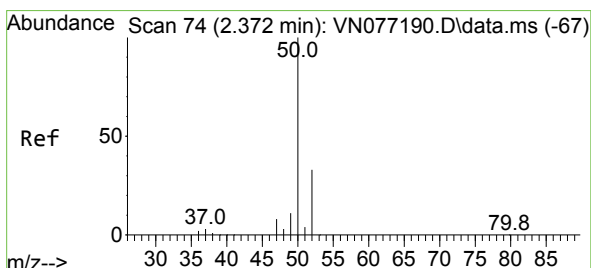
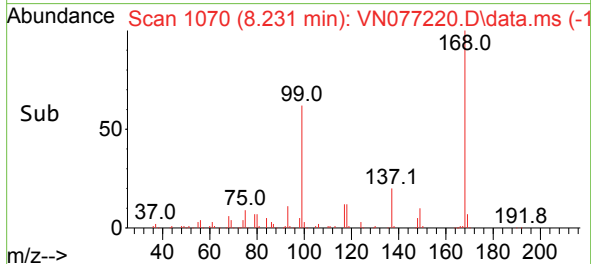
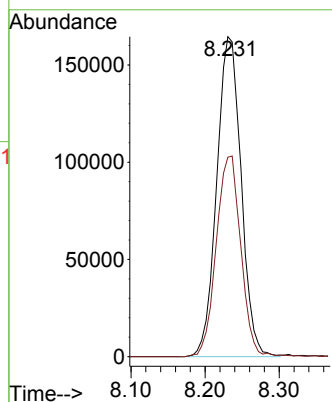
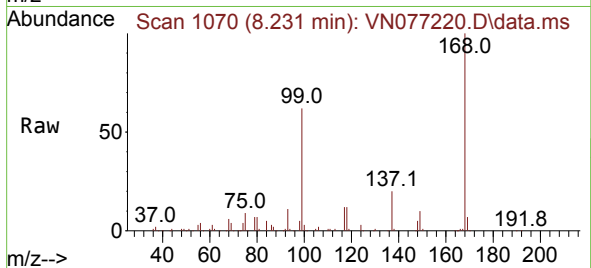




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

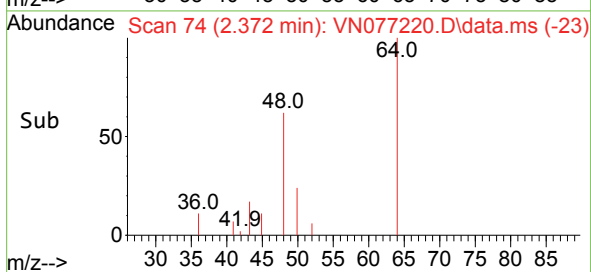
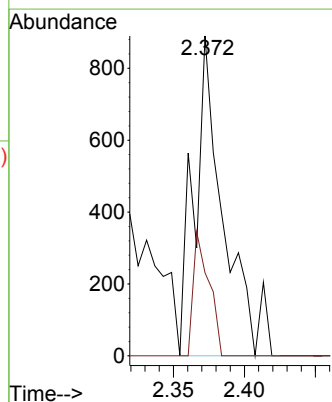
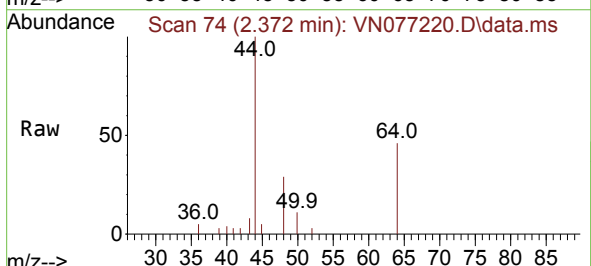
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

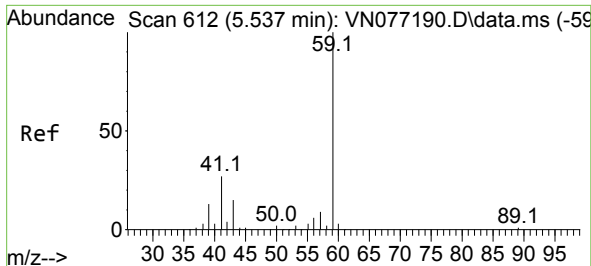
Tgt Ion:168 Resp: 376140
Ion Ratio Lower Upper
168 100
99 62.3 48.6 73.0



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 50 Resp: 1281
Ion Ratio Lower Upper
50 100
52 26.0 27.9 41.9#

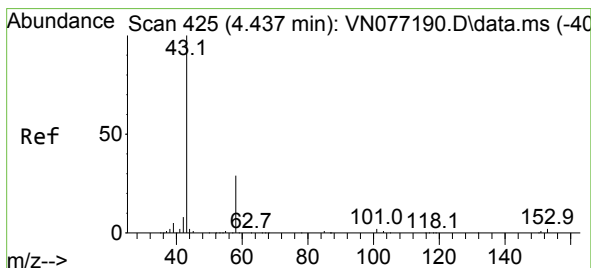
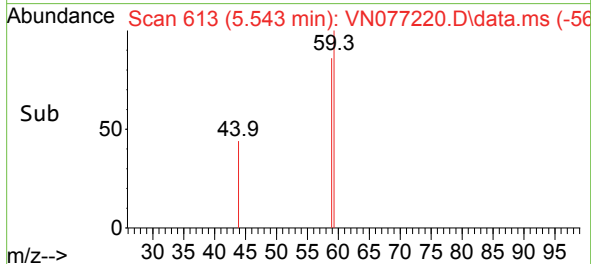
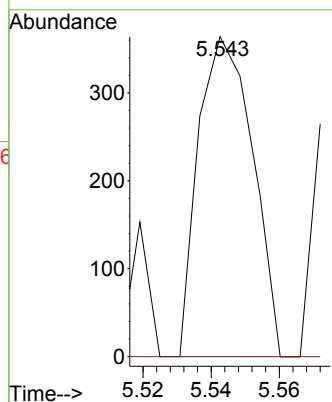
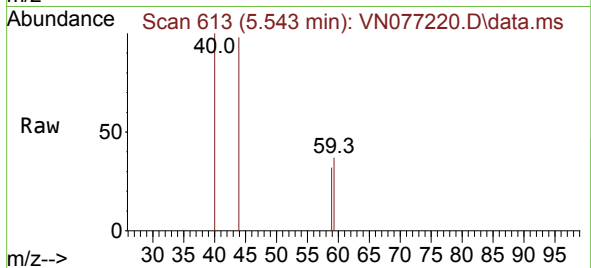




#11
Tert butyl alcohol
Concen: 0.503 ug/l
RT: 5.543 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

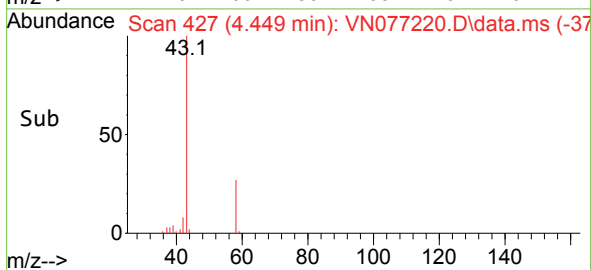
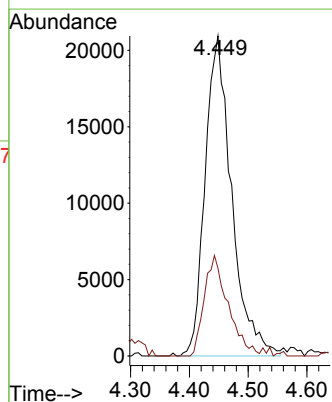
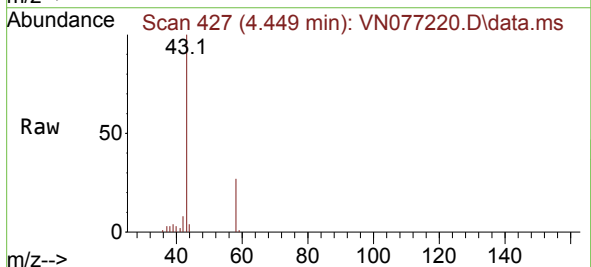
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

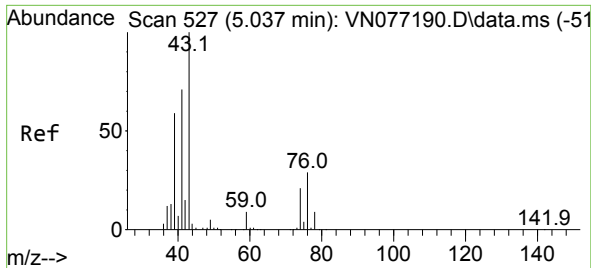
Tgt Ion: 59 Resp: 403
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 30.062 ug/l
RT: 4.449 min Scan# 427
Delta R.T. 0.012 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 43 Resp: 65737
Ion Ratio Lower Upper
43 100
58 27.4 28.2 42.2#

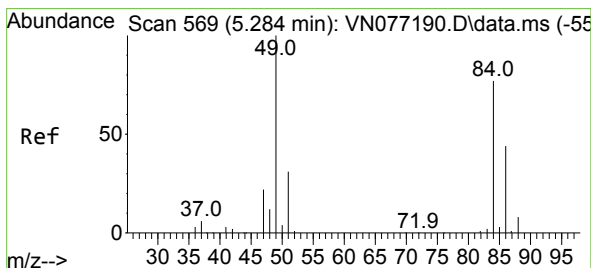
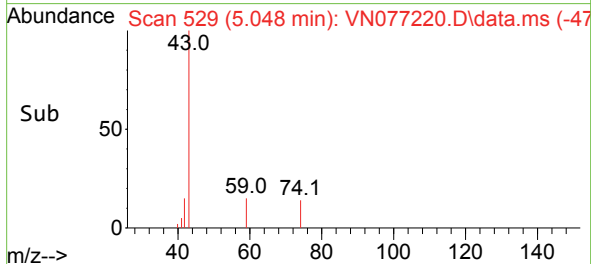
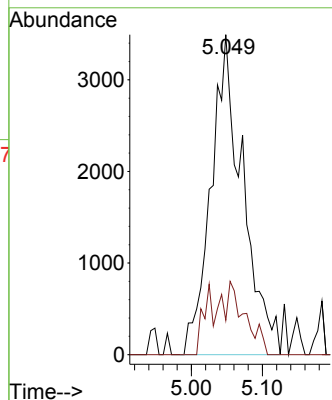
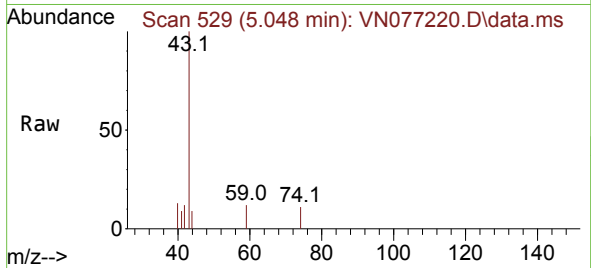




#18
Methyl Acetate
Concen: 1.242 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

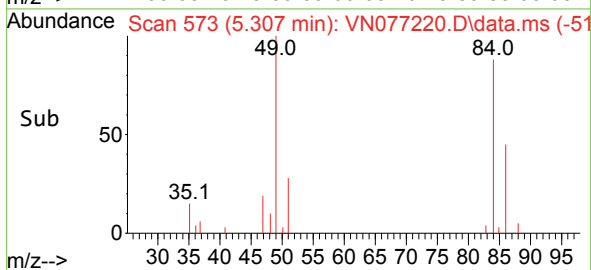
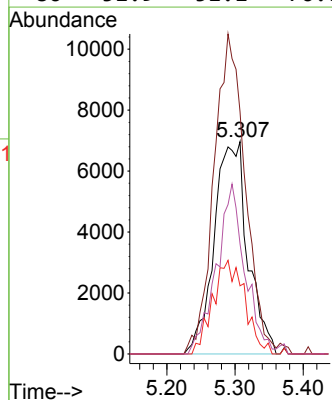
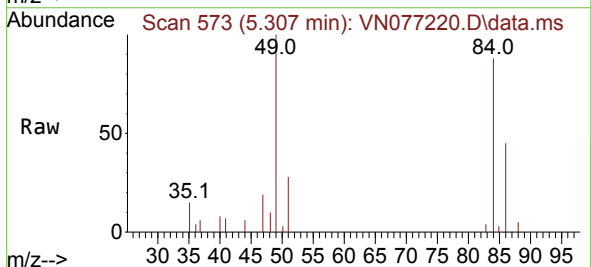
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

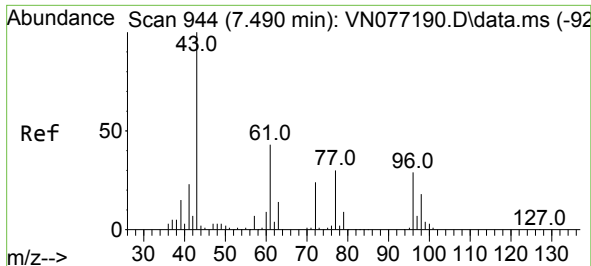
Tgt Ion: 43 Resp: 10864
Ion Ratio Lower Upper
43 100
74 15.6 25.9 38.9#



#20
Methylene Chloride
Concen: 4.899 ug/l
RT: 5.307 min Scan# 573
Delta R.T. 0.023 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 84 Resp: 23855
Ion Ratio Lower Upper
84 100
49 114.0 76.6 114.8
51 32.1 25.4 38.2
86 51.9 51.1 76.7

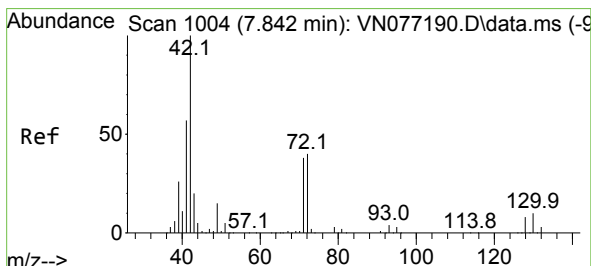
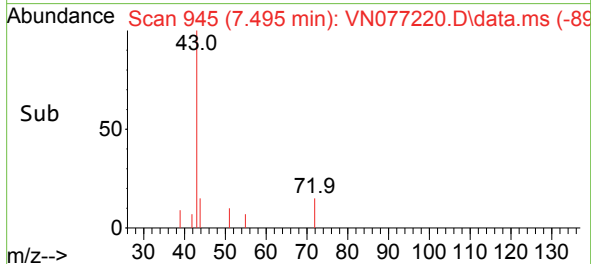
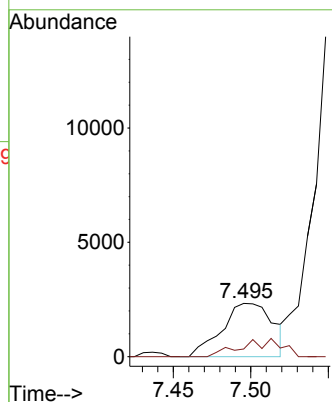
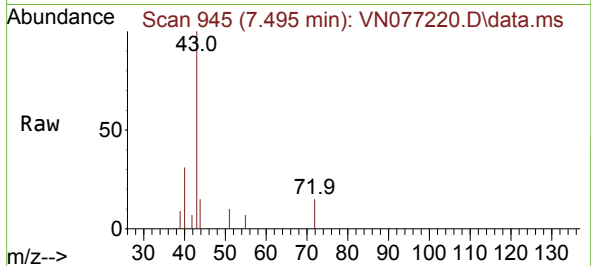




#25
2-Butanone
Concen: 1.559 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.005 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

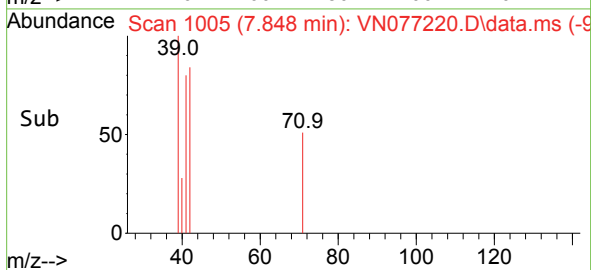
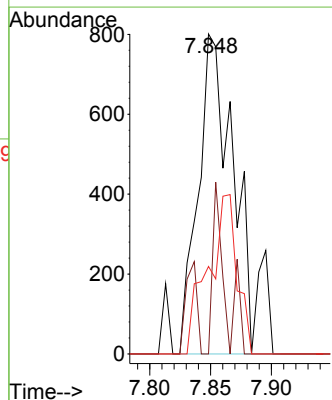
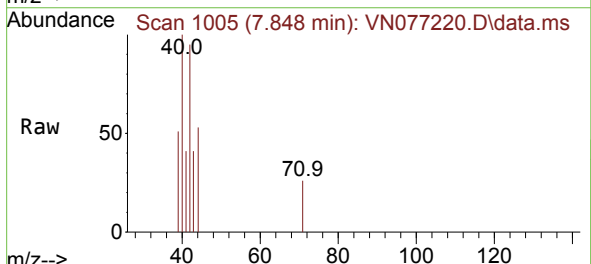
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

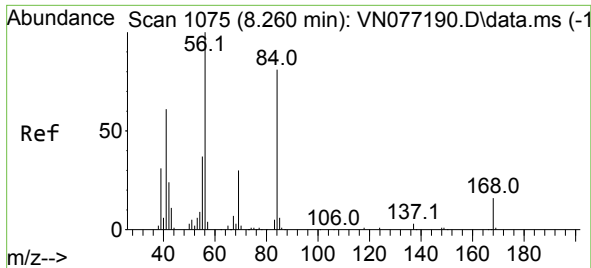
Tgt Ion: 43 Resp: 5330
Ion Ratio Lower Upper
43 100
72 14.5 28.8 43.2#



#29
Tetrahydrofuran
Concen: 0.764 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 42 Resp: 1731
Ion Ratio Lower Upper
42 100
72 12.7 48.6 73.0#
71 38.1 45.1 67.7#

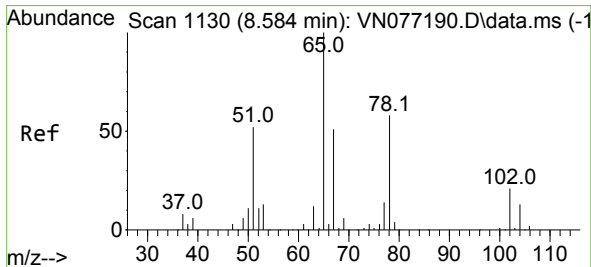
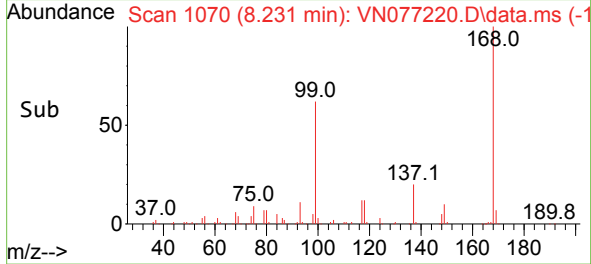
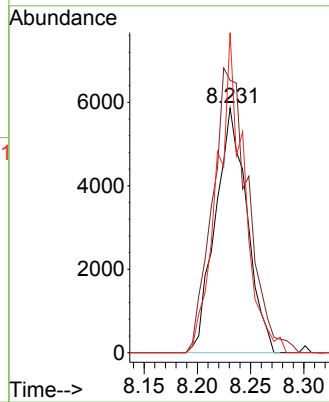
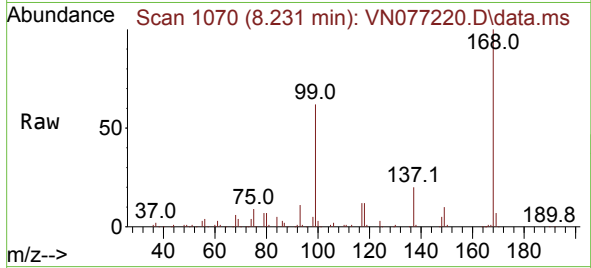




#31
Cyclohexane
Concen: 1.478 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

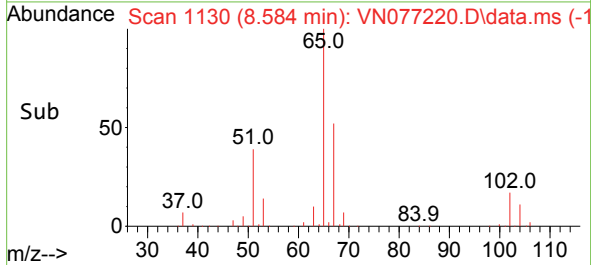
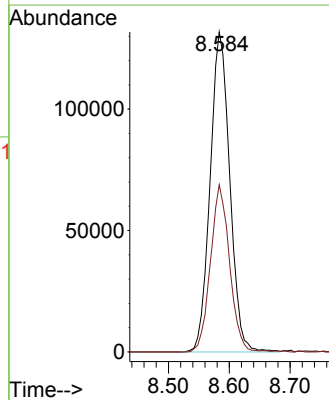
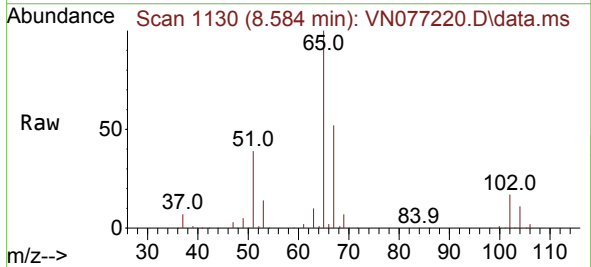
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

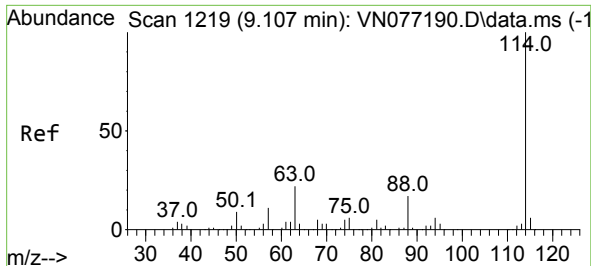
Tgt Ion: 56 Resp: 12079
Ion Ratio Lower Upper
56 100
69 111.3 27.0 40.6#
84 130.8 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 50.164 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 65 Resp: 295021
Ion Ratio Lower Upper
65 100
67 50.8 0.0 107.2

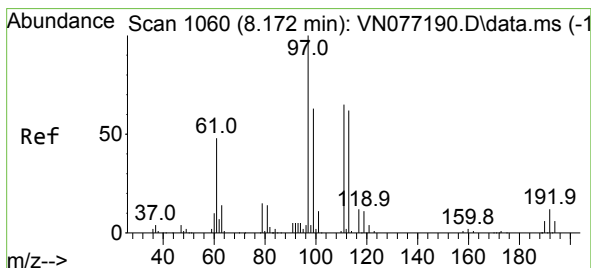
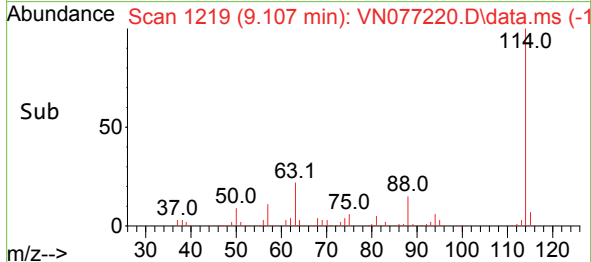
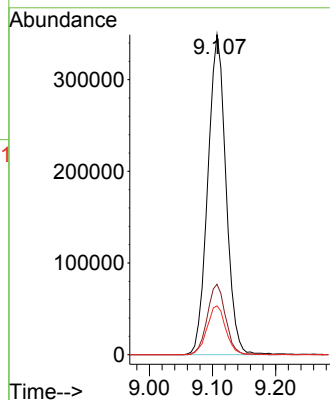
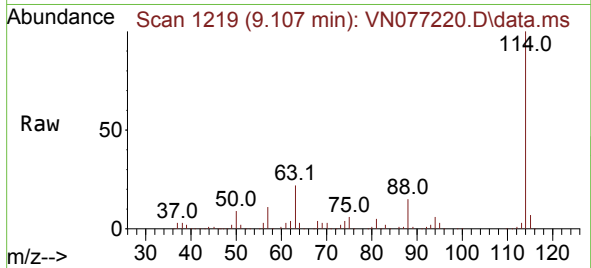




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

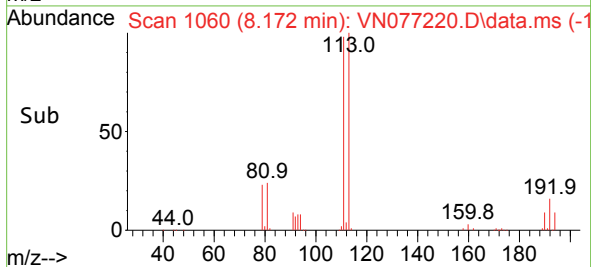
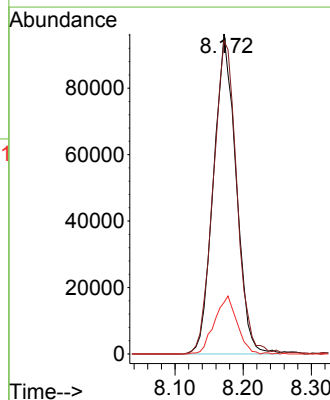
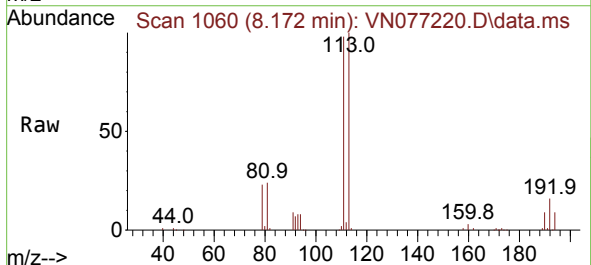
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

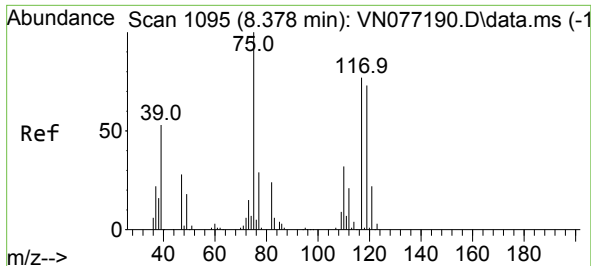
Tgt Ion:114 Resp: 696978
Ion Ratio Lower Upper
114 100
63 22.0 0.0 36.6
88 15.3 0.0 28.6



#35
Dibromofluoromethane
Concen: 46.854 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion:113 Resp: 221589
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 18.2 13.9 20.9

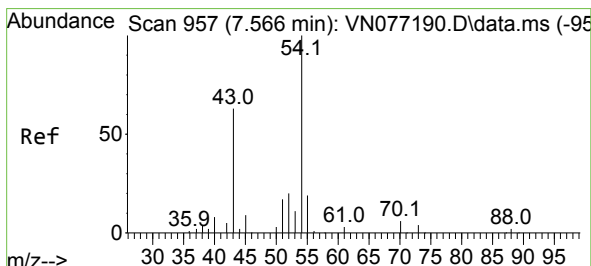
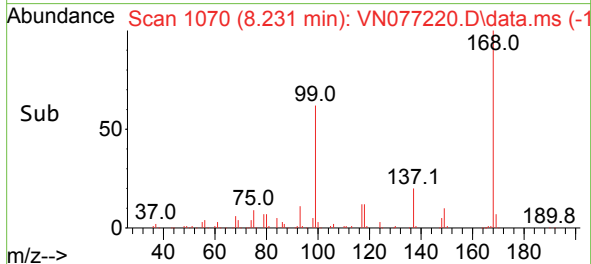
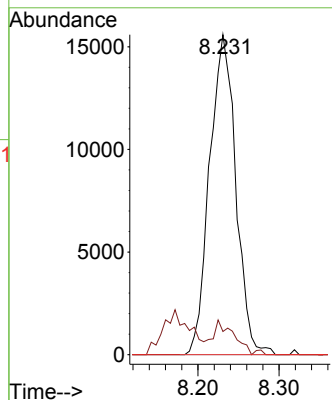
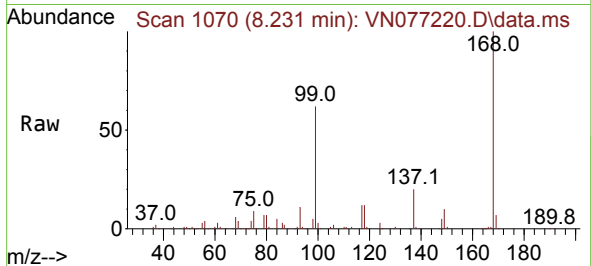




#36
1,1-Dichloropropene
Concen: 5.325 ug/l
RT: 8.231 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

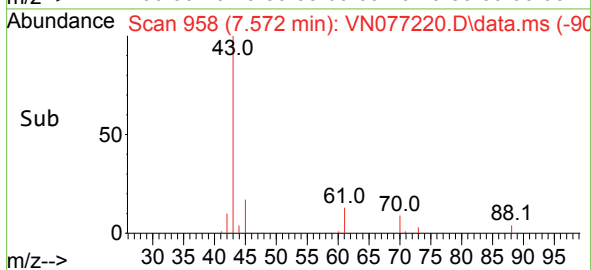
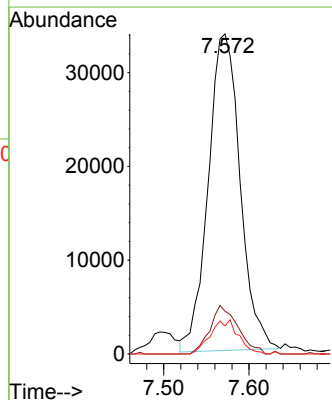
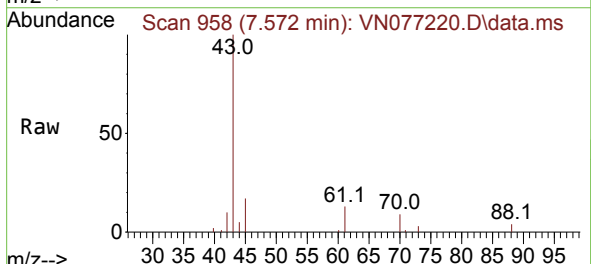
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

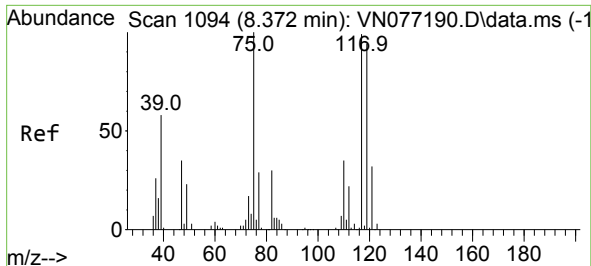
Tgt Ion: 75 Resp: 35047
Ion Ratio Lower Upper
75 100
110 9.0 18.9 56.9#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 11.972 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 43 Resp: 87838
Ion Ratio Lower Upper
43 100
61 13.4 13.5 20.3#
70 9.4 11.0 16.6#

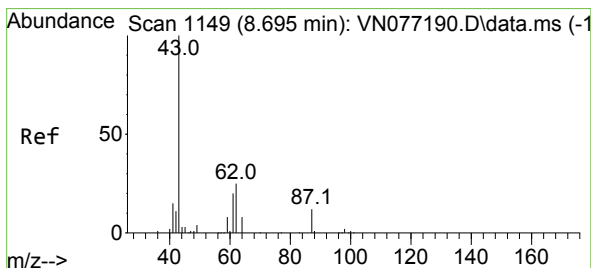
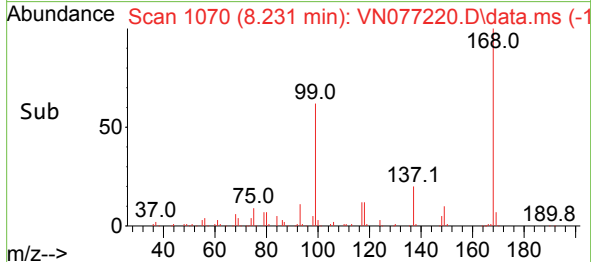
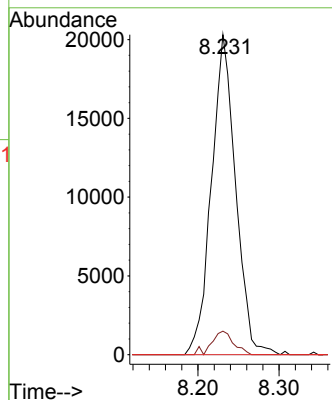
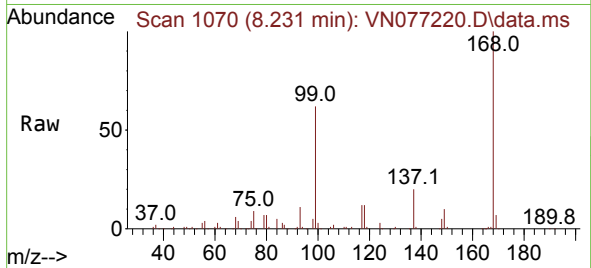




#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 8.231 min Scan# 1094
Delta R.T. -0.141 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

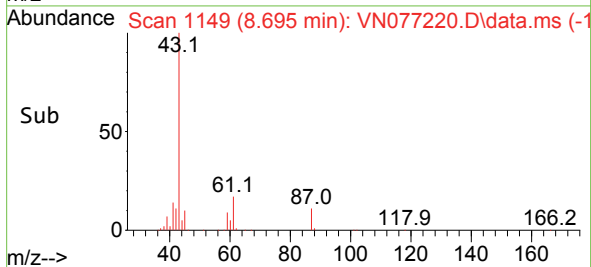
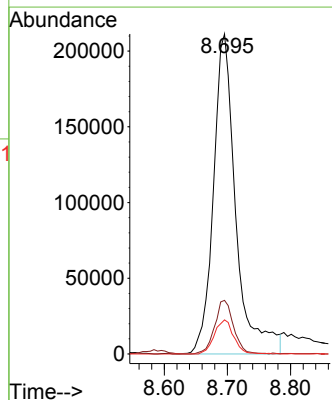
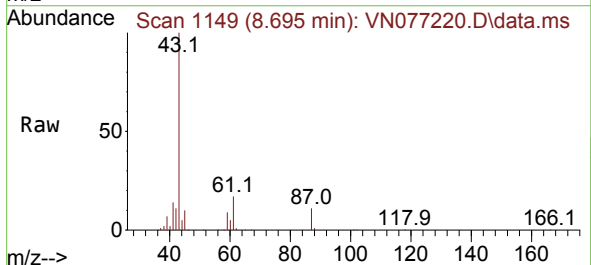
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

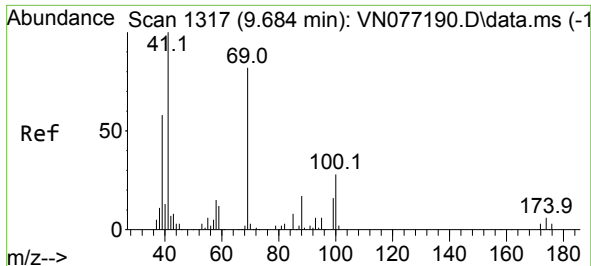
Tgt Ion:117 Resp: 42033
Ion Ratio Lower Upper
117 100
119 7.3 76.9 115.3#
121 0.0 23.2 34.8#



#43
Isopropyl Acetate
Concen: 43.978 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 43 Resp: 520537
Ion Ratio Lower Upper
43 100
61 14.1 26.2 39.2#
87 9.2 14.8 22.2#

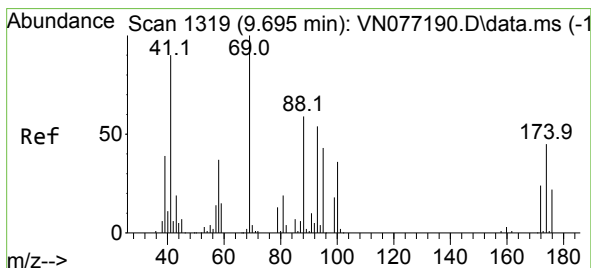
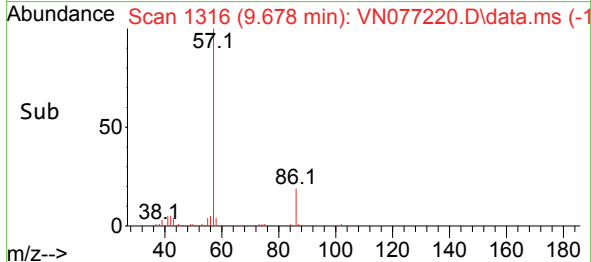
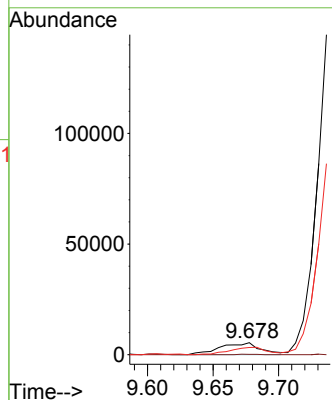
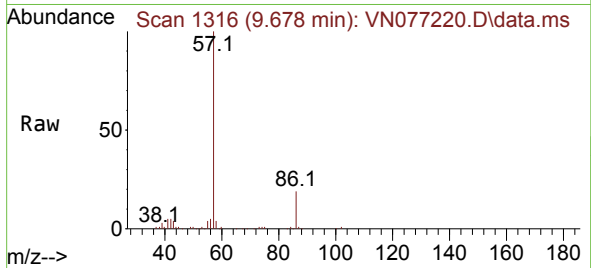




#48
Methyl methacrylate
Concen: 2.004 ug/l
RT: 9.678 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

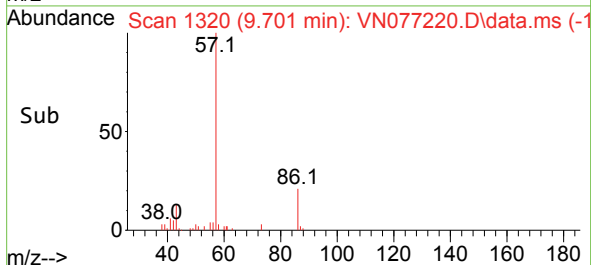
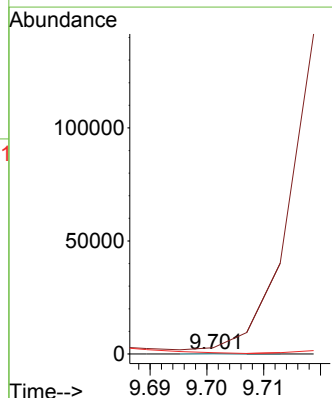
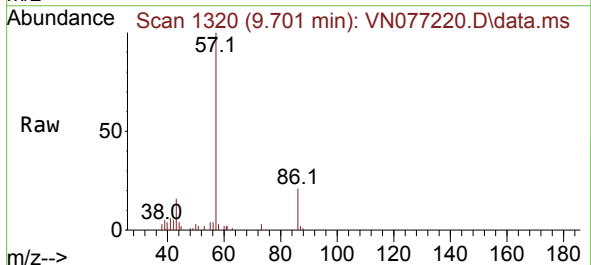
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

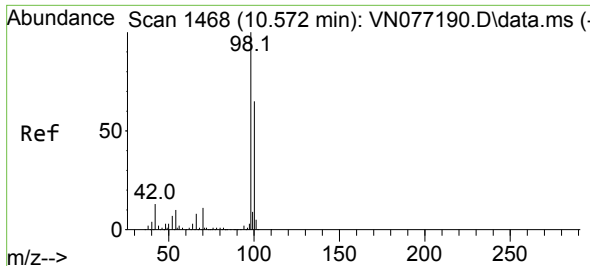
Tgt Ion: 41 Resp: 11424
Ion Ratio Lower Upper
41 100
69 1.7 92.6 139.0#
39 57.4 51.4 77.0



#49
1,4-Dioxane
Concen: 0.566 ug/l
RT: 9.701 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 15.3 22.9#
58 0.0 47.6 71.4#

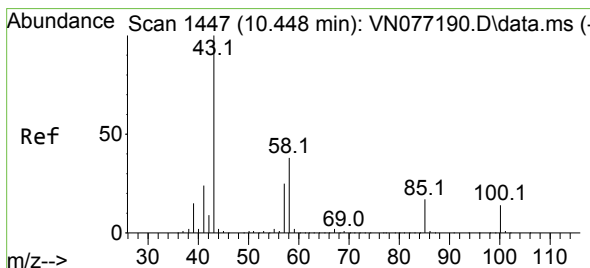
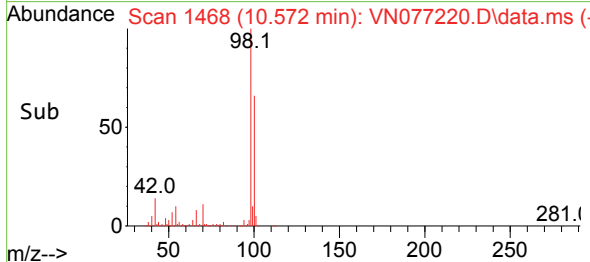
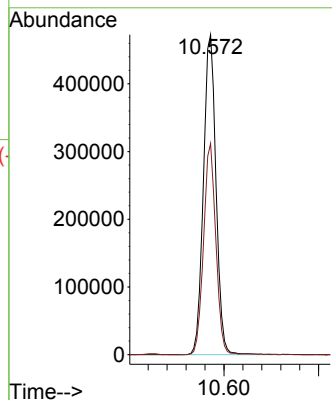
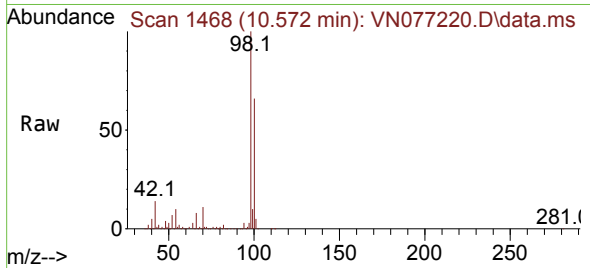




#50
Toluene-d8
Concen: 49.300 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

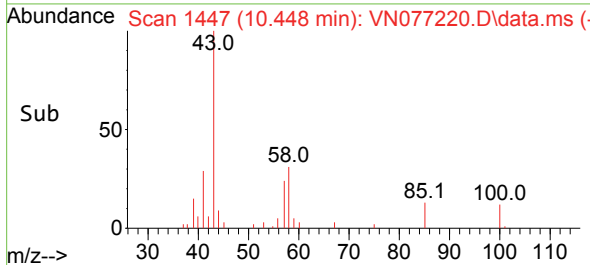
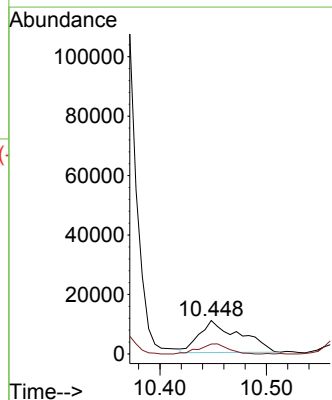
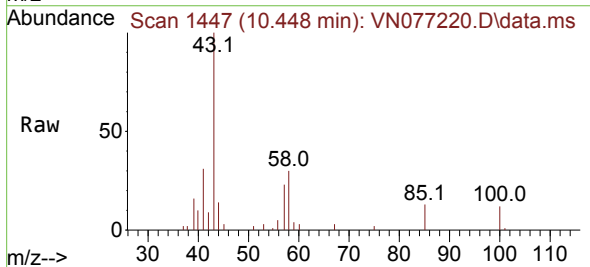
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

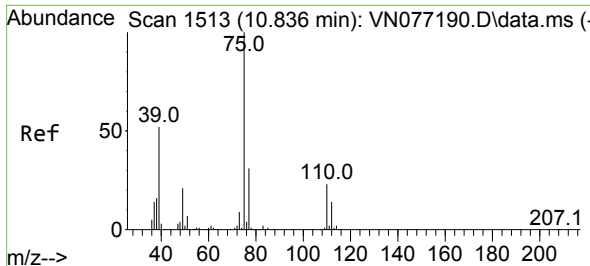
Tgt Ion: 98 Resp: 873639
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 3.817 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

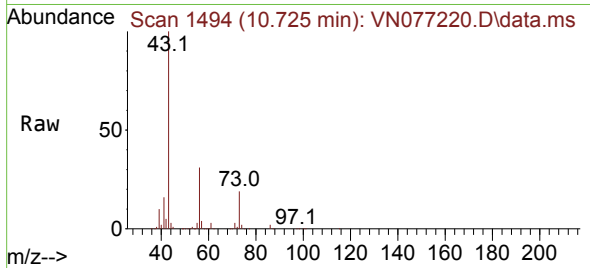
Tgt Ion: 43 Resp: 28427
Ion Ratio Lower Upper
43 100
58 22.6 37.4 56.0#



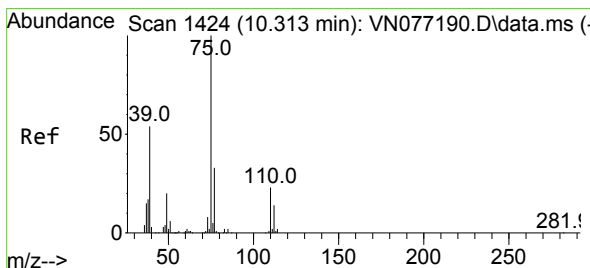
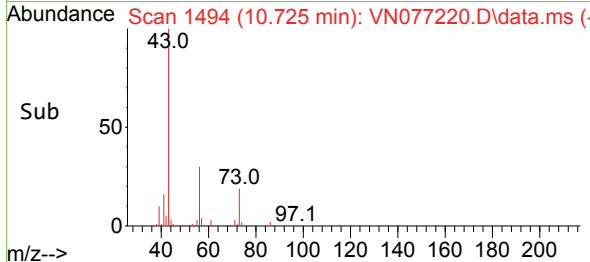
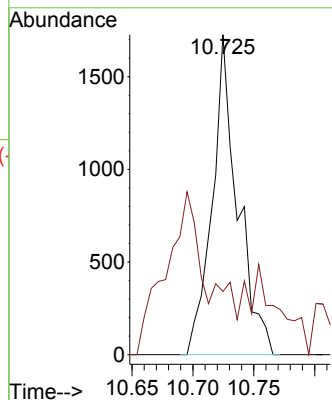


#53
t-1,3-Dichloropropene
Concen: 0.353 ug/l
RT: 10.725 min Scan# 1494
Delta R.T. -0.111 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

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

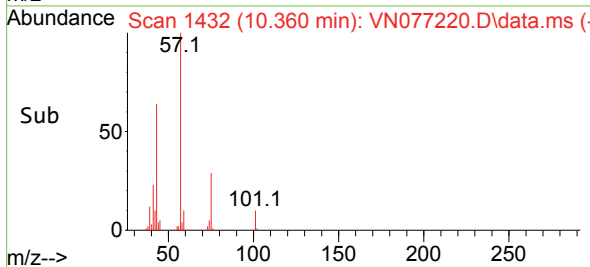
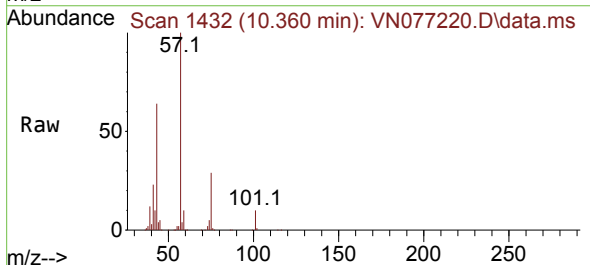
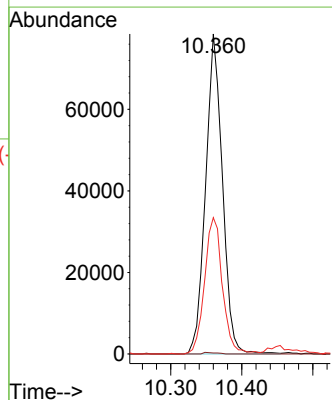


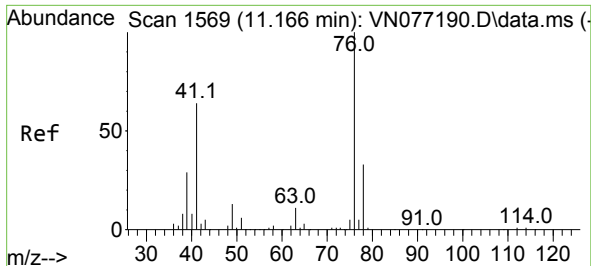
Tgt Ion: 75 Resp: 2498
Ion Ratio Lower Upper
75 100
77 5.7 25.0 37.6#



#54
cis-1,3-Dichloropropene
Concen: 16.706 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 75 Resp: 129378
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 42.6 29.7 44.5





#57

1,3-Dichloropropane

Concen: 2.000 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.041 min

Lab File: VN077220.D

Acq: 27 Mar 2023 23:05

Instrument :

MSVOA_N

ClientSampleId :

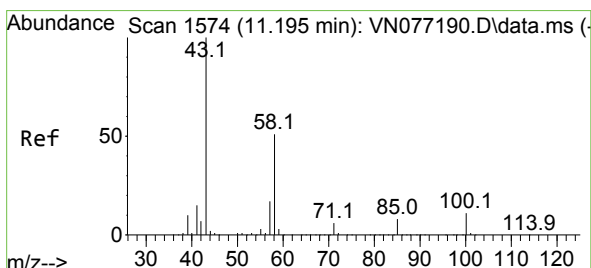
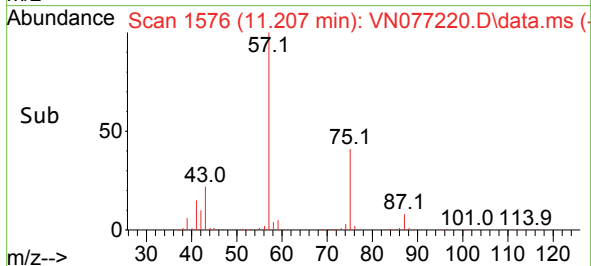
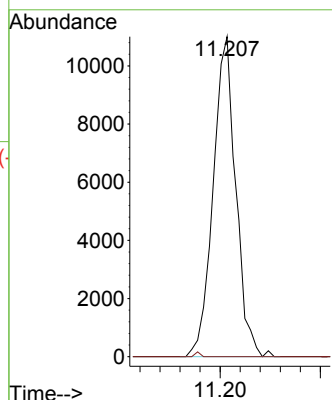
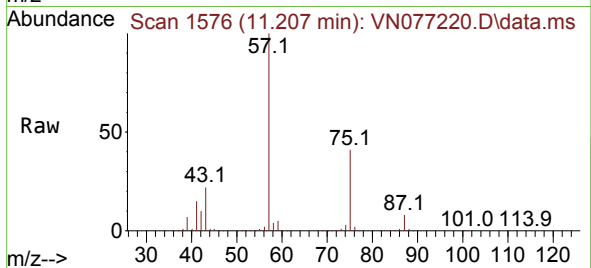
152140-TCLP-D-032223

Tgt Ion: 76 Resp: 17222

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 65.320 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN077220.D

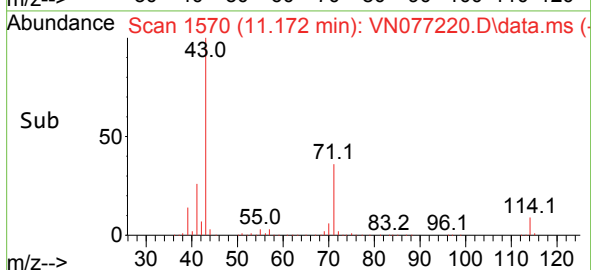
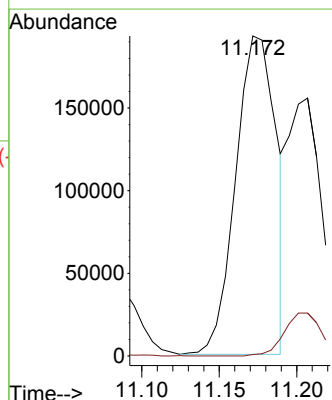
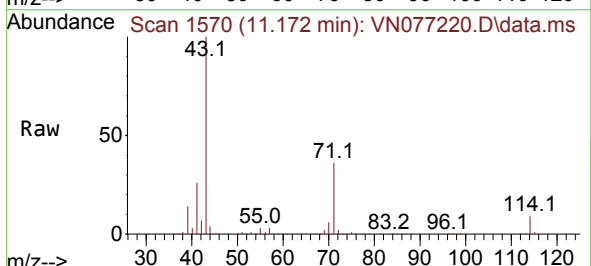
Acq: 27 Mar 2023 23:05

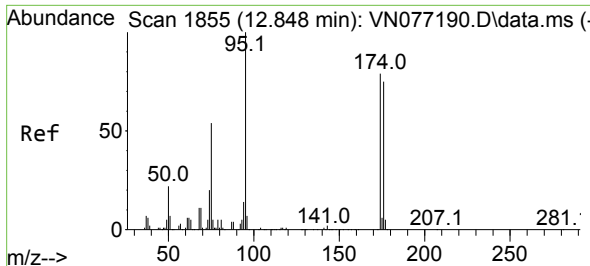
Tgt Ion: 43 Resp: 349609

Ion Ratio Lower Upper

43 100

58 0.0 32.6 98.0#

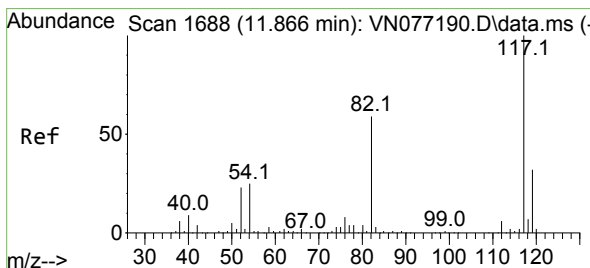
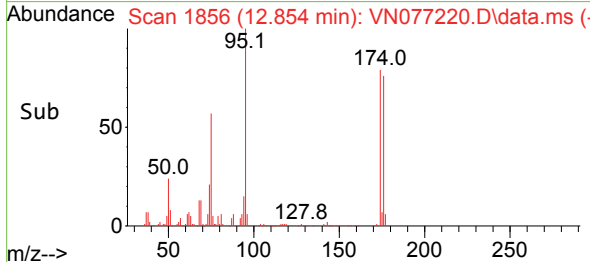
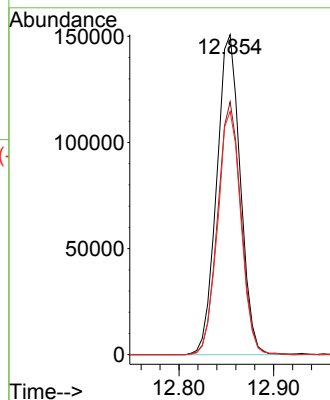
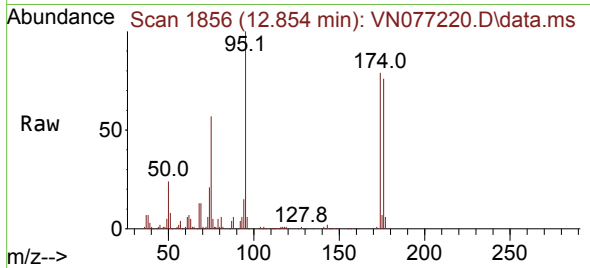




#62
4-Bromofluorobenzene
Concen: 44.874 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

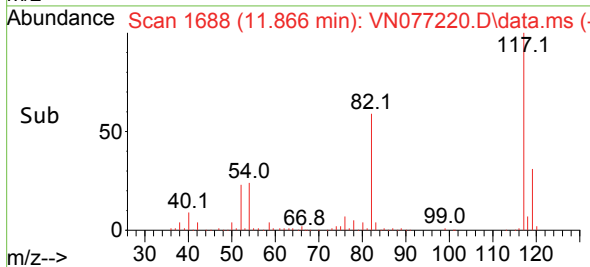
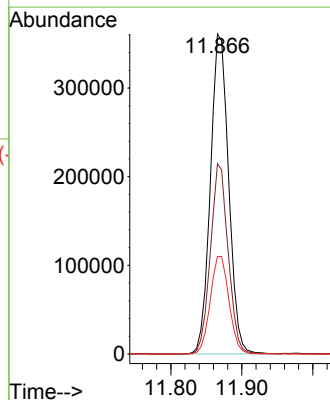
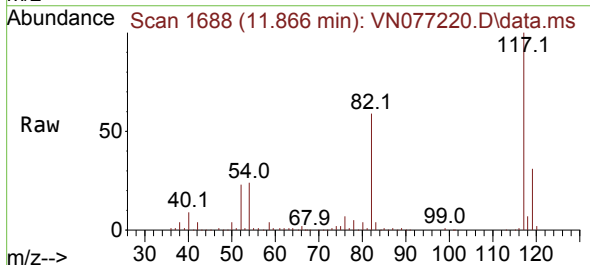
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

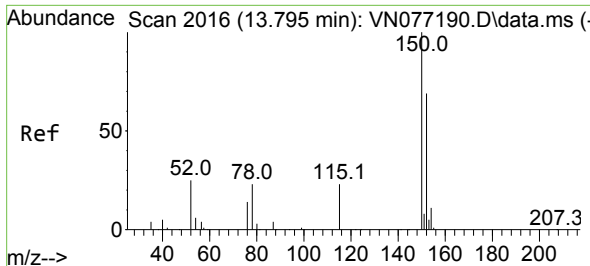
Tgt Ion: 95 Resp: 260983
Ion Ratio Lower Upper
95 100
174 78.5 0.0 162.4
176 75.3 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 117 Resp: 643280
Ion Ratio Lower Upper
117 100
82 59.4 43.5 65.3
119 30.5 25.5 38.3

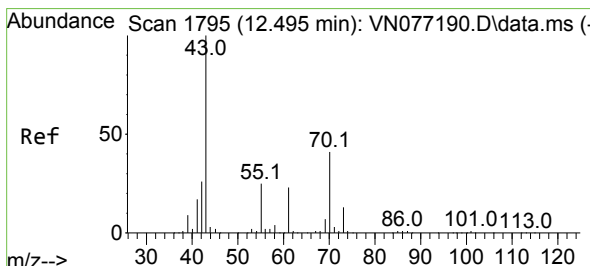
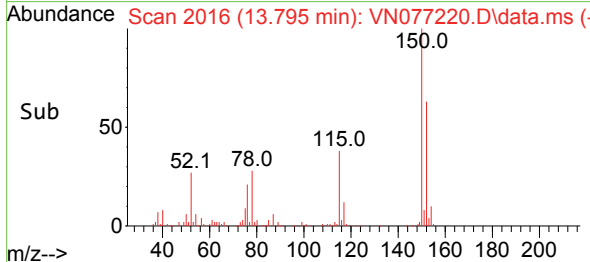
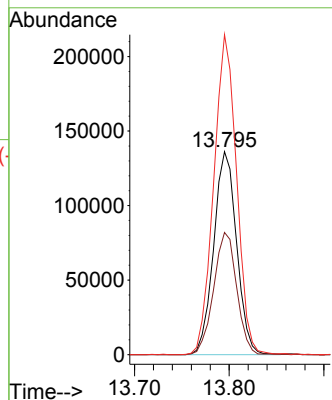
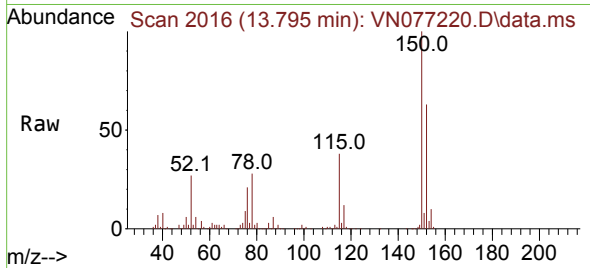




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

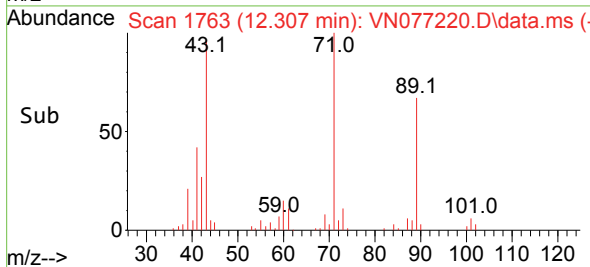
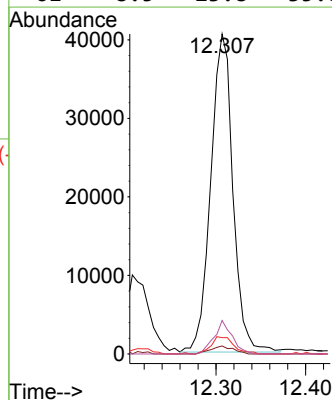
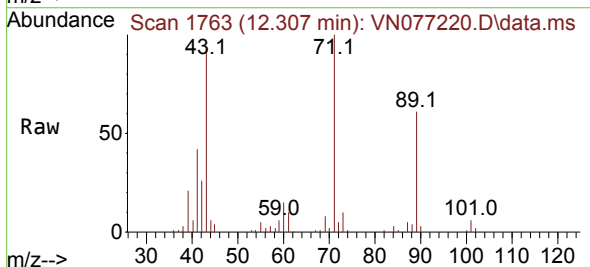
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

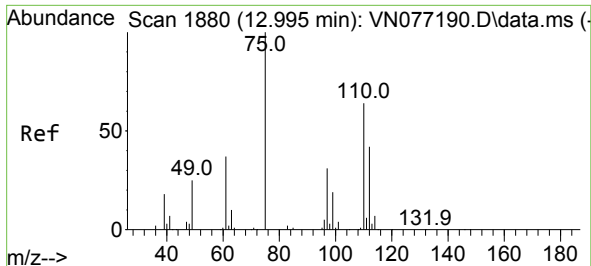
Tgt Ion:152 Resp: 229451
Ion Ratio Lower Upper
152 100
115 60.6 30.3 90.9
150 157.2 0.0 353.6



#74
N-ethyl acetate
Concen: 8.844 ug/l
RT: 12.307 min Scan# 1763
Delta R.T. -0.188 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 43 Resp: 69573
Ion Ratio Lower Upper
43 100
70 2.5 46.8 70.2#
55 5.5 23.4 35.2#
61 8.5 23.8 35.8#

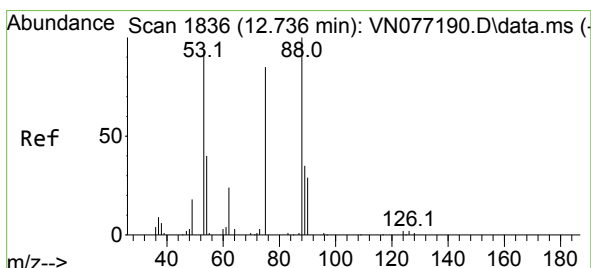
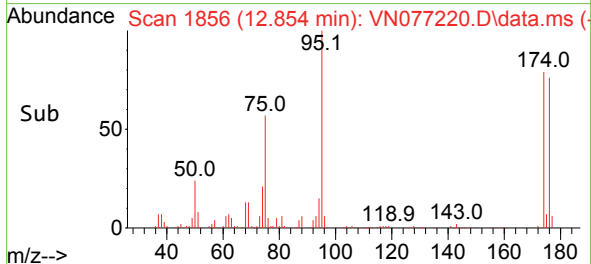
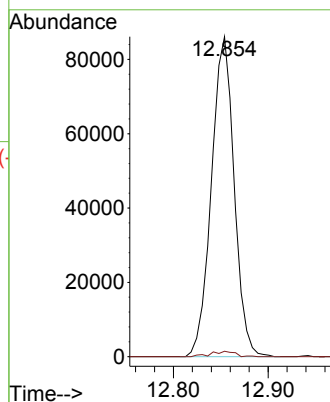
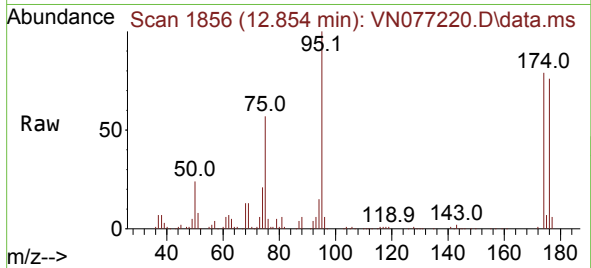




#76
1,2,3-Trichloropropane
Concen: 30.939 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

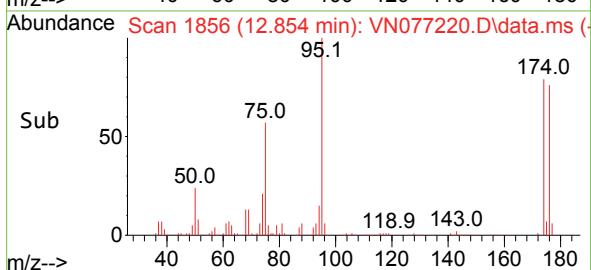
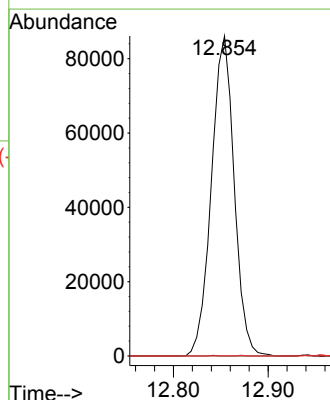
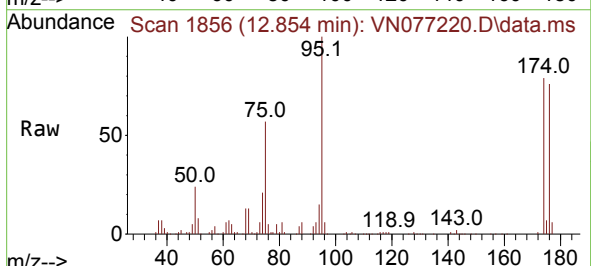
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-D-032223

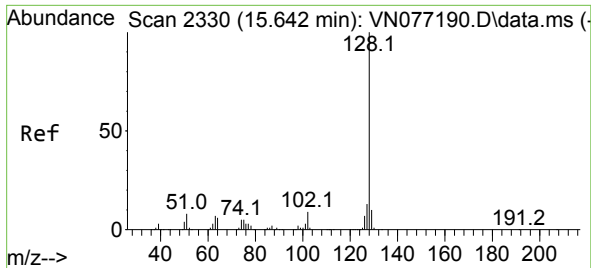
Tgt Ion: 75 Resp: 144007
Ion Ratio Lower Upper
75 100
77 1.8 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.169 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077220.D
Acq: 27 Mar 2023 23:05

Tgt Ion: 75 Resp: 144007
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.0#
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 5.936 ug/l

RT: 15.654 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN077220.D

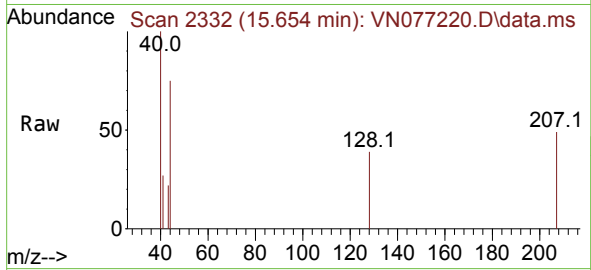
Acq: 27 Mar 2023 23:05

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-D-032223



Tgt Ion:128 Resp: 293

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.9 13.3#

