

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077224.D
 Acq On : 28 Mar 2023 00:42
 Operator : JC\MD
 Sample : 02081-07 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Mar 28 07:49:16 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)

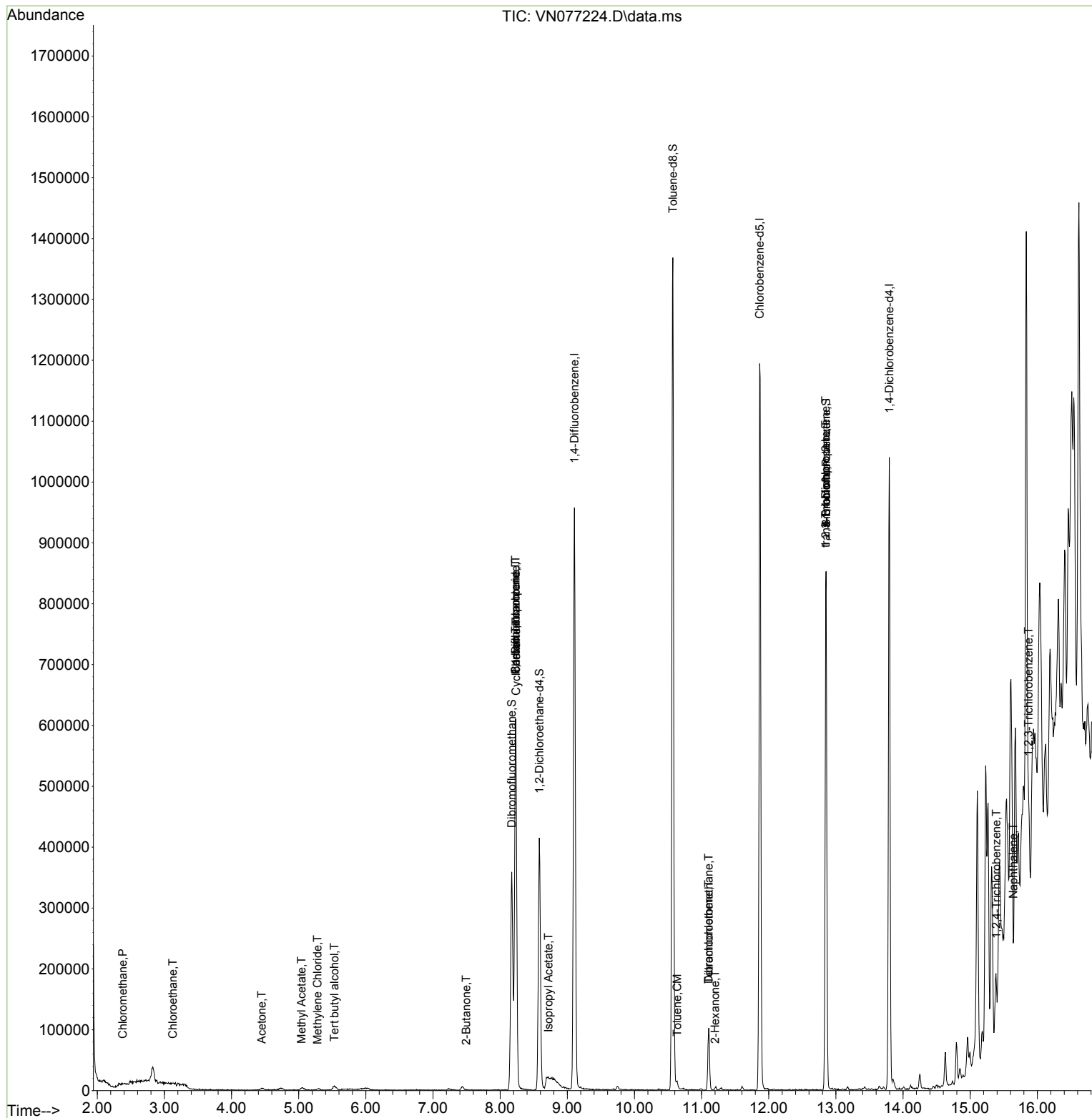
Internal Standards						
1) Pentafluorobenzene	8.231	168	425901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	774879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	652375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	262570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	330010	49.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.120%		
35) Dibromofluoromethane	8.172	113	242990	46.214	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.420%		
50) Toluene-d8	10.572	98	917807	46.585	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.180%		
62) 4-Bromofluorobenzene	12.854	95	272813	42.192	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.380%		
Target Compounds						Qvalue
3) Chloromethane	2.378	50	1445	0.232	ug/l #	40
6) Chloroethane	3.125	64	1508	0.247	ug/l	92
11) Tert butyl alcohol	5.531	59	10047	11.070	ug/l #	85
16) Acetone	4.448	43	3096	1.250	ug/l	94
18) Methyl Acetate	5.043	43	9311	0.940	ug/l #	66
20) Methylene Chloride	5.278	84	1572	0.285	ug/l #	81
25) 2-Butanone	7.495	43	933	0.241	ug/l #	39
31) Cyclohexane	8.236	56	12383	1.339	ug/l #	41
36) 1,1-Dichloropropene	8.231	75	40537	5.539	ug/l #	43
38) Carbon Tetrachloride	8.231	117	44062	5.938	ug/l #	17
43) Isopropyl Acetate	8.719	43	28411	2.159	ug/l #	49
52) Toluene	10.636	92	3075	0.225	ug/l	83
59) 2-Hexanone	11.201	43	1323	0.222	ug/l #	24
60) Dibromochloromethane	11.107	129	22558	4.090	ug/l #	10
64) Tetrachloroethene	11.107	164	22275	5.504	ug/l	93
71) Bromoform	12.854	173	2969	0.835	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	154426	28.992	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	154426	83.560	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.389	180	611	4.510	ug/l #	31
95) Naphthalene	15.642	128	3148	6.113	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.871	180	8468	6.518	ug/l #	16

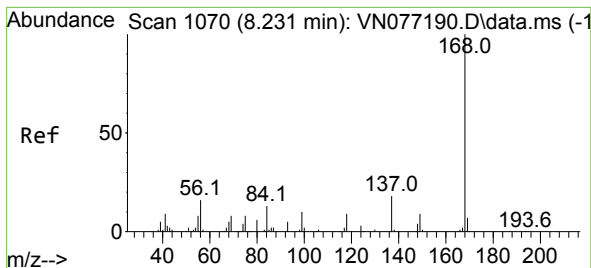
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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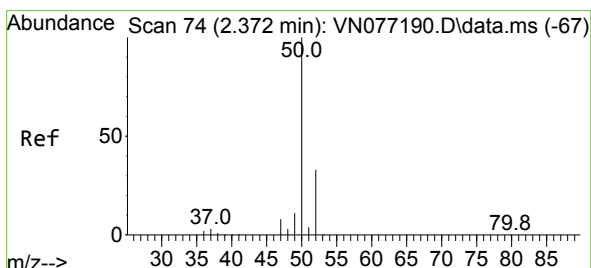
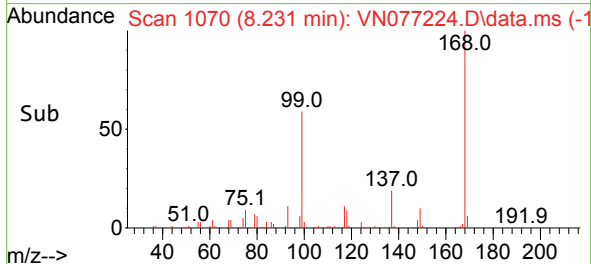
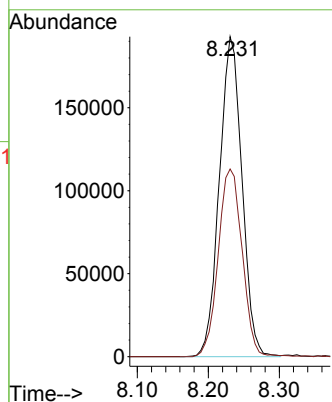
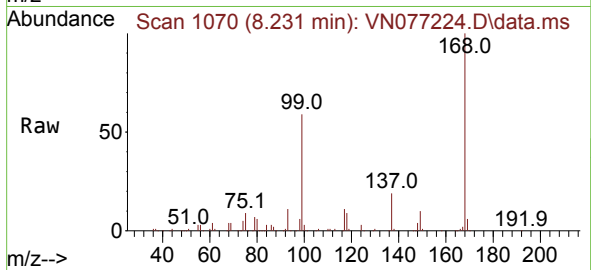




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

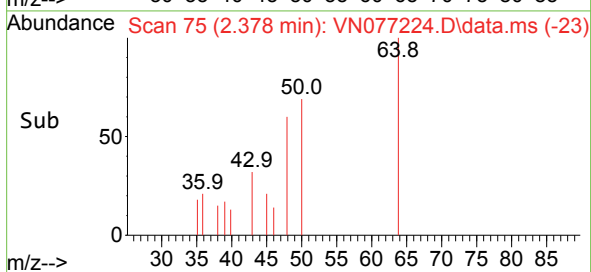
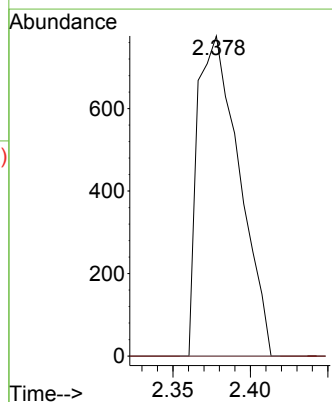
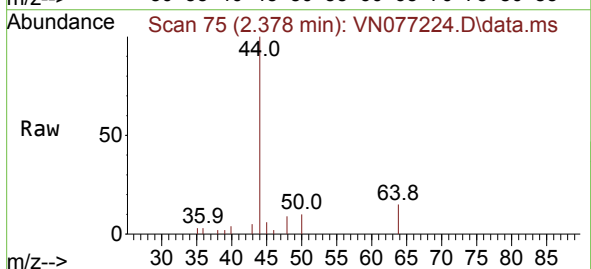
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Z-032323

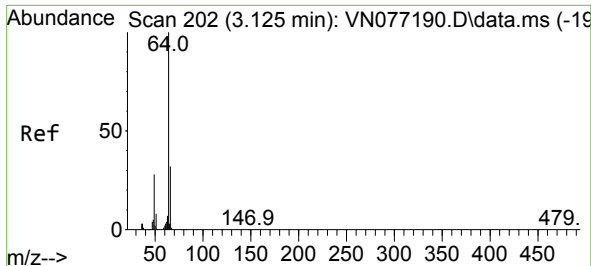
Tgt Ion:168 Resp: 425901
Ion Ratio Lower Upper
168 100
99 58.7 48.6 73.0



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion: 50 Resp: 1445
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#

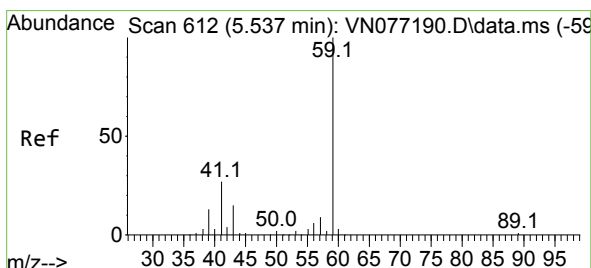
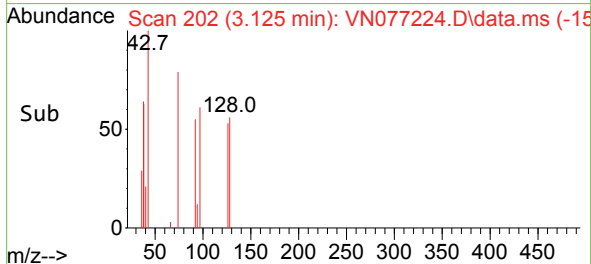
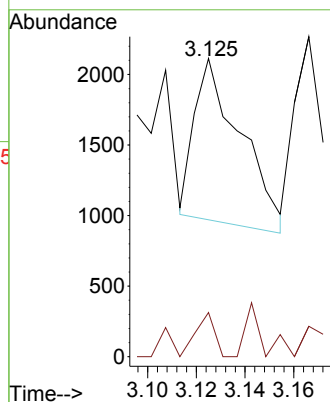
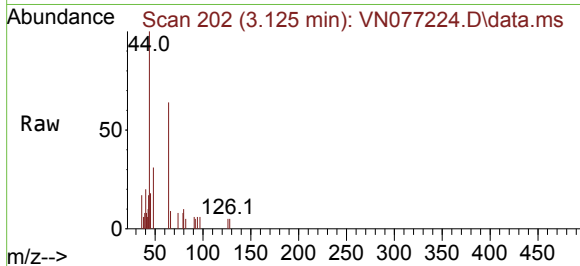




#6
Chloroethane
Concen: 0.247 ug/l
RT: 3.125 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

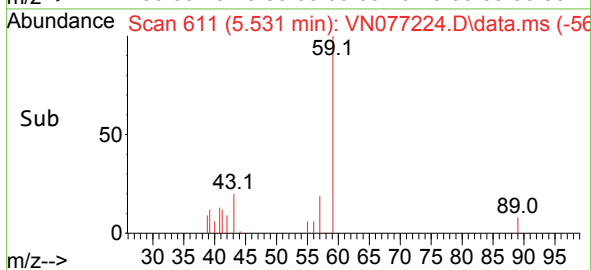
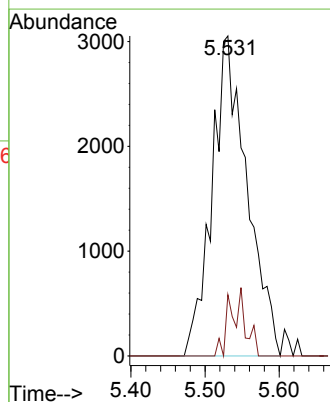
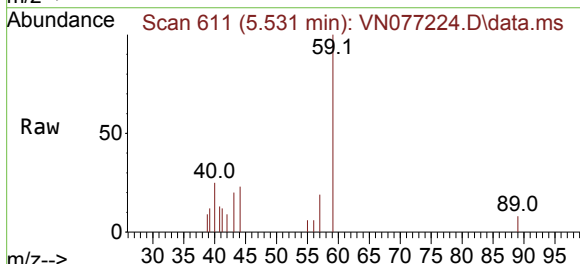
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Z-032323

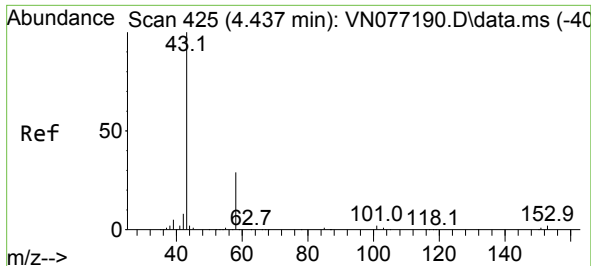
Tgt Ion: 64 Resp: 1508
Ion Ratio Lower Upper
64 100
66 28.3 26.2 39.4



#11
Tert butyl alcohol
Concen: 11.070 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion: 59 Resp: 10047
Ion Ratio Lower Upper
59 100
57 4.9 8.6 12.8#

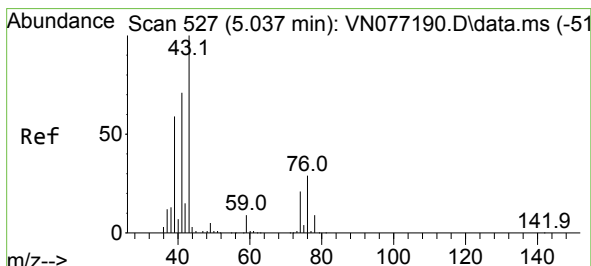
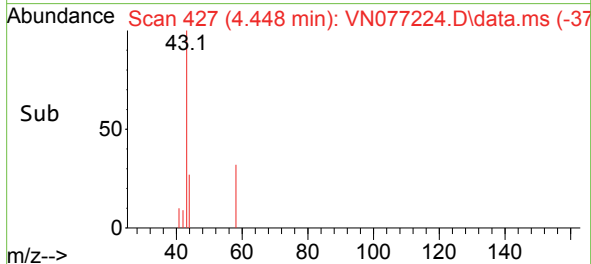
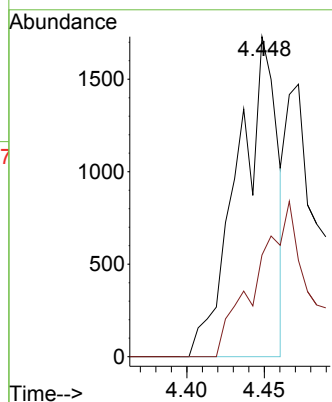
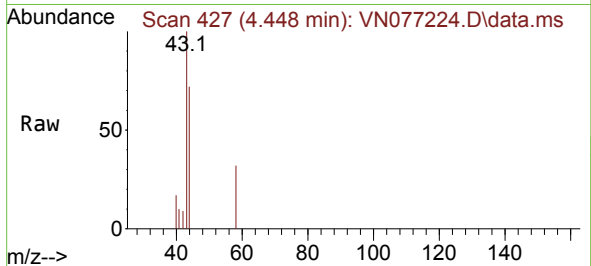




#16
Acetone
Concen: 1.250 ug/l
RT: 4.448 min Scan# 431
Delta R.T. 0.011 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

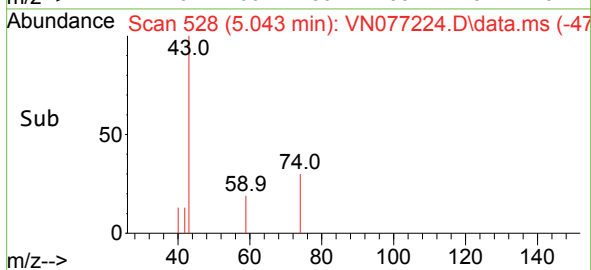
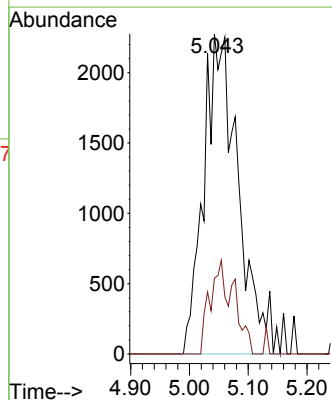
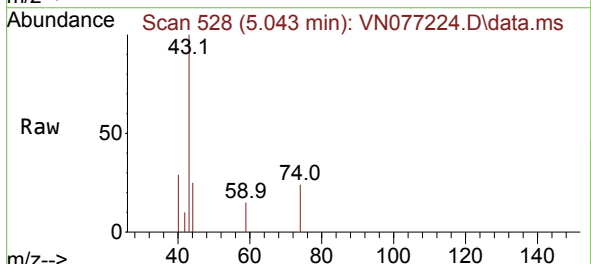
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Z-032323

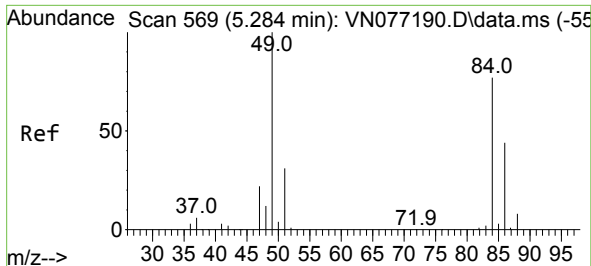
Tgt Ion: 43 Resp: 3096
Ion Ratio Lower Upper
43 100
58 31.7 28.2 42.2



#18
Methyl Acetate
Concen: 0.940 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion: 43 Resp: 9311
Ion Ratio Lower Upper
43 100
74 13.4 25.9 38.9#





#20

Methylene Chloride

Concen: 0.285 ug/l

RT: 5.278 min Scan# 5

Delta R.T. -0.006 min

Lab File: VN077224.D

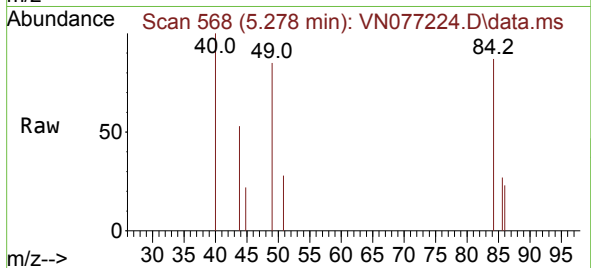
Acq: 28 Mar 2023 00:42

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-Z-032323



Tgt Ion: 84 Resp: 1572

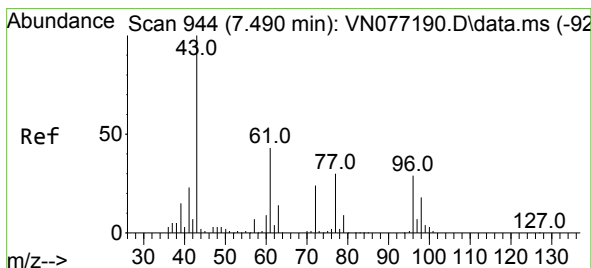
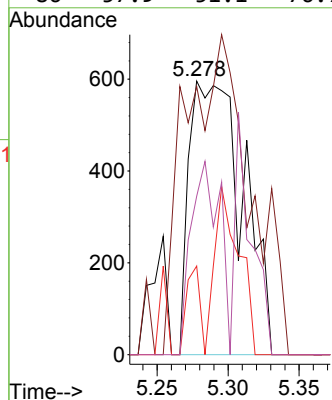
Ion Ratio Lower Upper

84 100

49 64.1 76.6 114.8#

51 32.4 25.4 38.2

86 57.9 51.1 76.7



#25

2-Butanone

Concen: 0.241 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.005 min

Lab File: VN077224.D

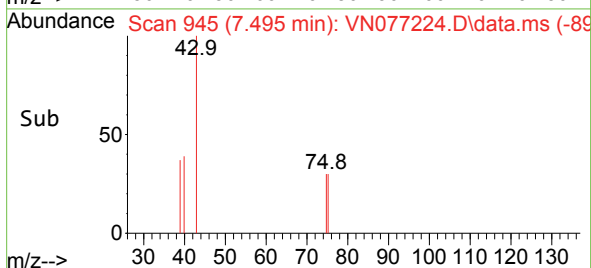
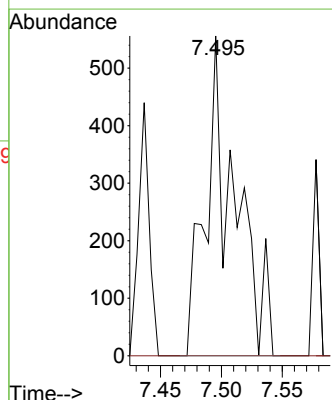
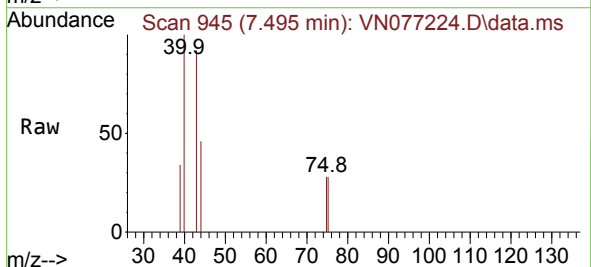
Acq: 28 Mar 2023 00:42

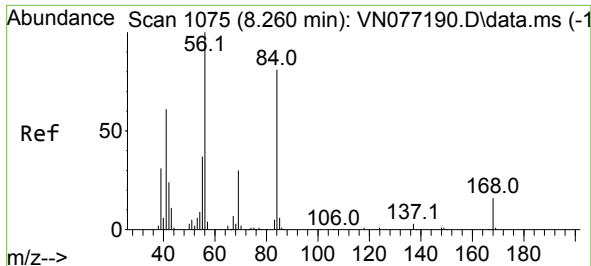
Tgt Ion: 43 Resp: 933

Ion Ratio Lower Upper

43 100

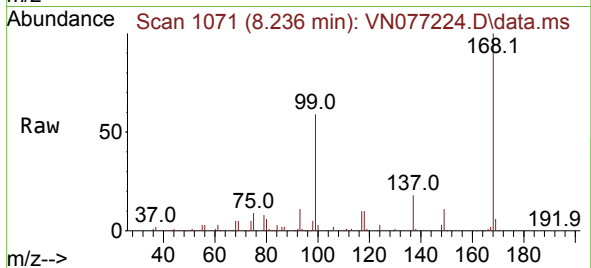
72 0.0 28.8 43.2#



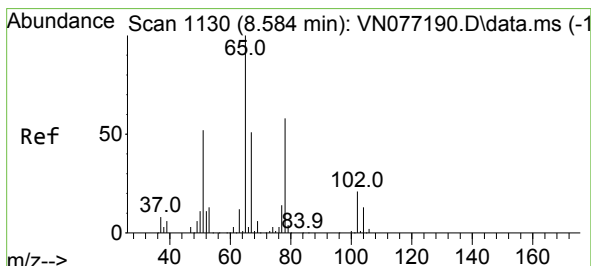
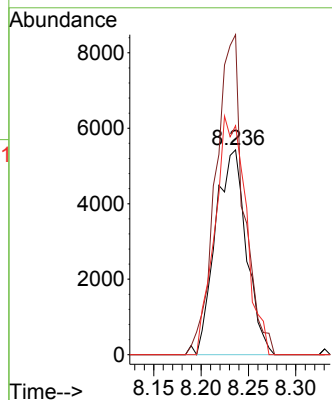
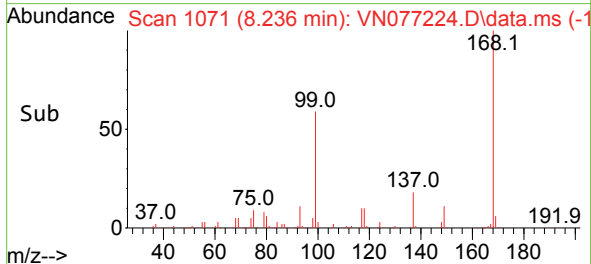


#31
Cyclohexane
Concen: 1.339 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.024 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

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

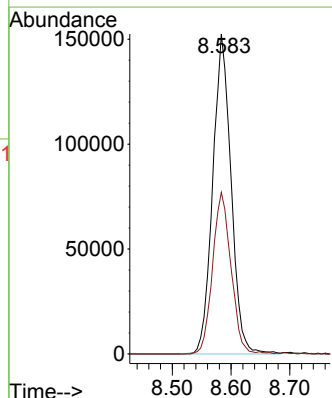
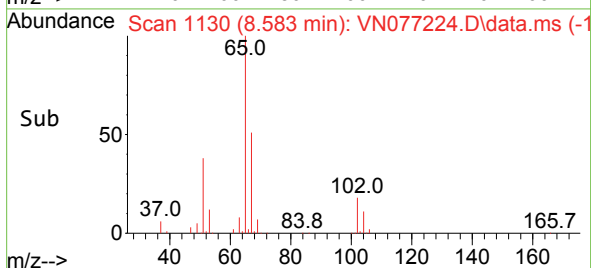
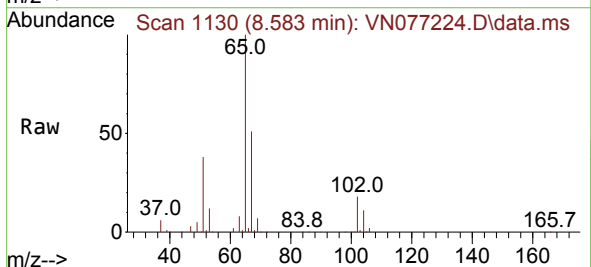


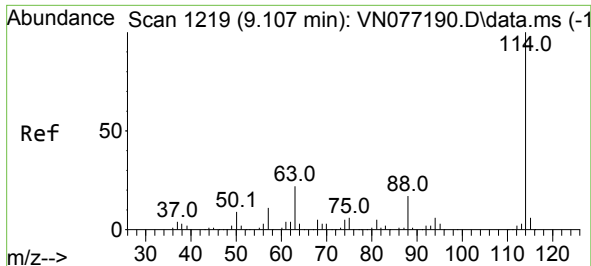
Tgt Ion: 56 Resp: 12383
Ion Ratio Lower Upper
56 100
69 156.2 27.0 40.6#
84 111.8 82.9 124.3



#33
1,2-Dichloroethane-d4
Concen: 49.557 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion: 65 Resp: 330010
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# 1

Delta R.T. -0.000 min

Lab File: VN077224.D

Acq: 28 Mar 2023 00:42

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-Z-032323

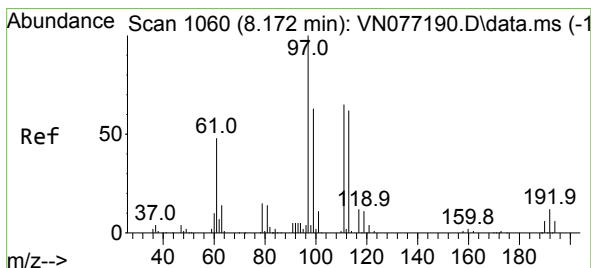
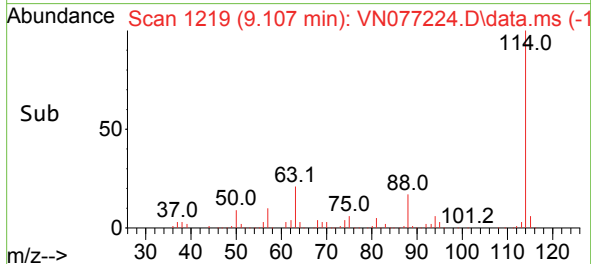
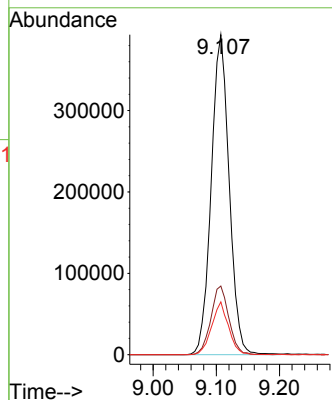
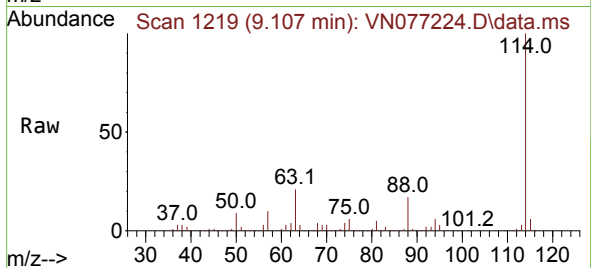
Tgt Ion:114 Resp: 774879

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.6

88 16.5 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.214 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077224.D

Acq: 28 Mar 2023 00:42

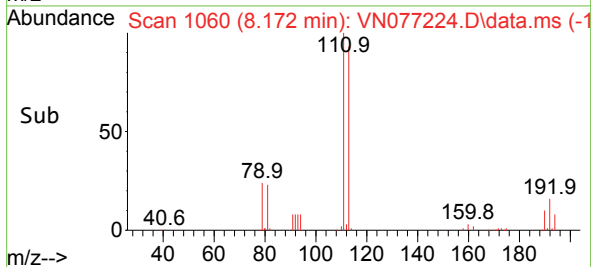
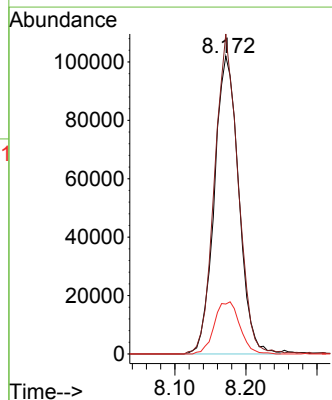
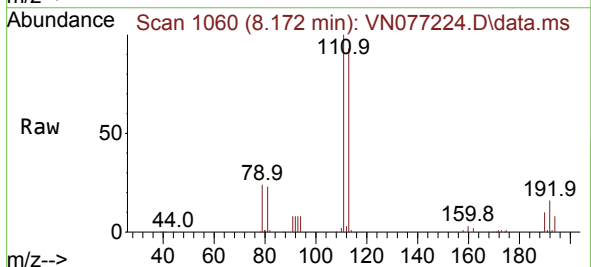
Tgt Ion:113 Resp: 242990

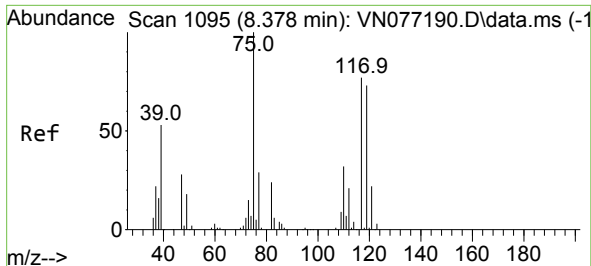
Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

192 18.3 13.9 20.9

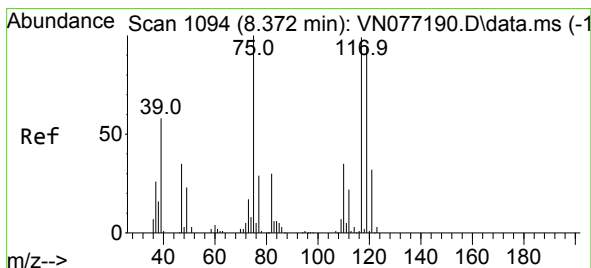
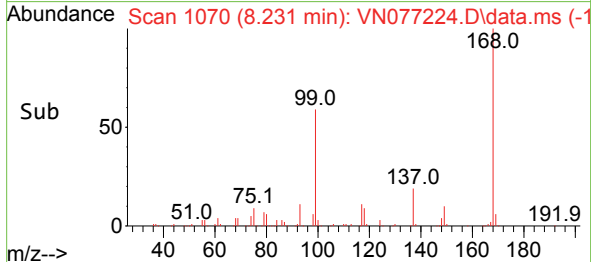
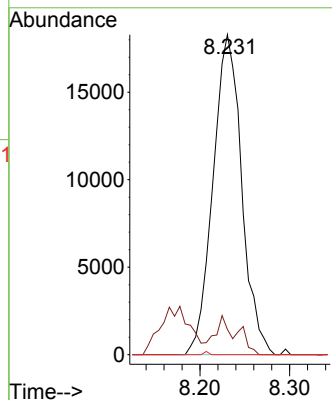
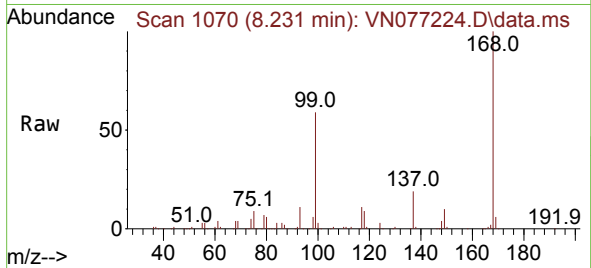




#36
1,1-Dichloropropene
Concen: 5.539 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

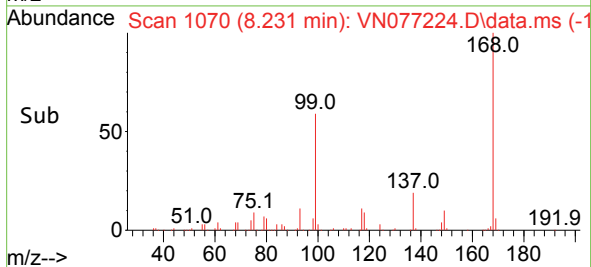
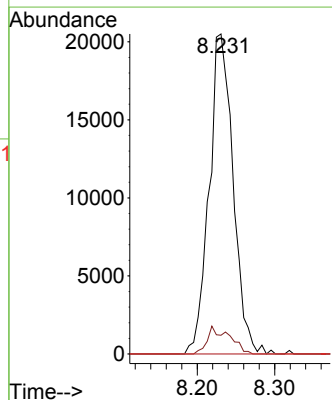
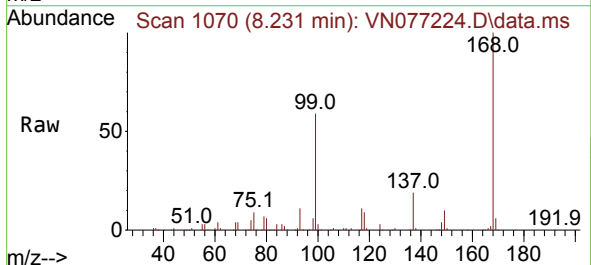
Instrument :
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152140-TCLP-Z-032323

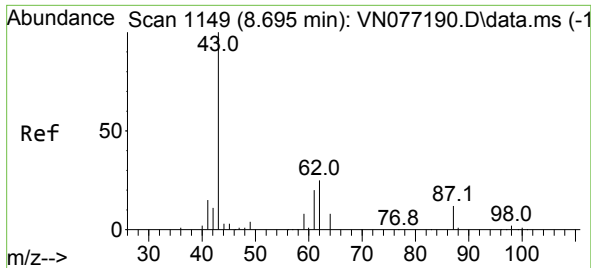
Tgt Ion: 75 Resp: 40537
Ion Ratio Lower Upper
75 100
110 3.0 18.9 56.9#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.938 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion: 117 Resp: 44062
Ion Ratio Lower Upper
117 100
119 5.9 76.9 115.3#
121 0.0 23.2 34.8#

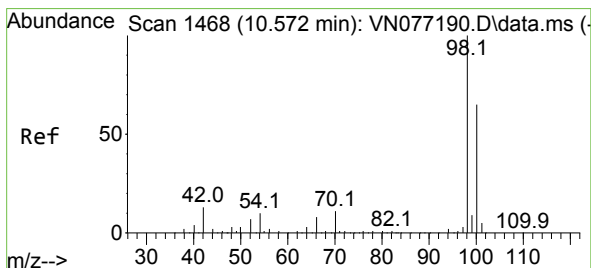
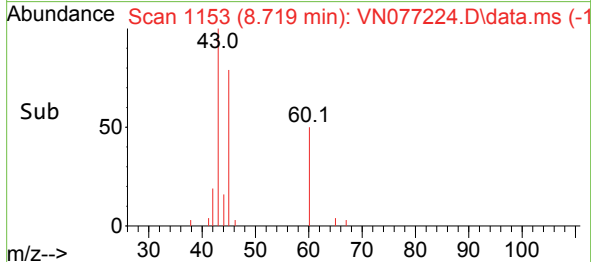
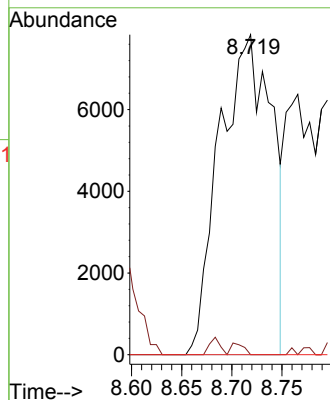
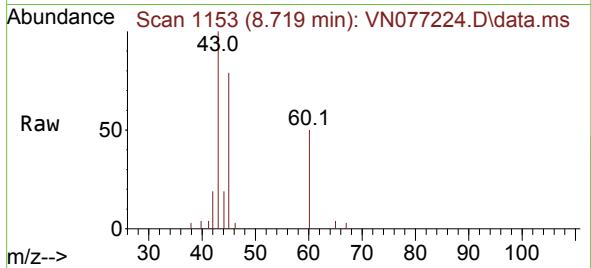




#43
Isopropyl Acetate
Concen: 2.159 ug/l
RT: 8.719 min Scan# 1153
Delta R.T. 0.024 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

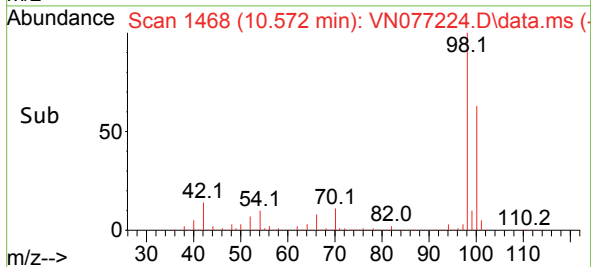
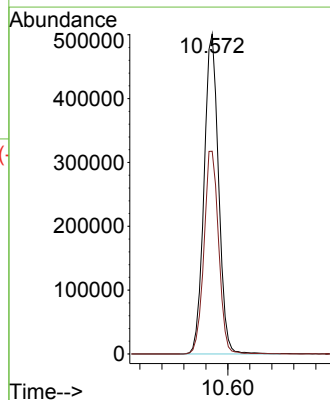
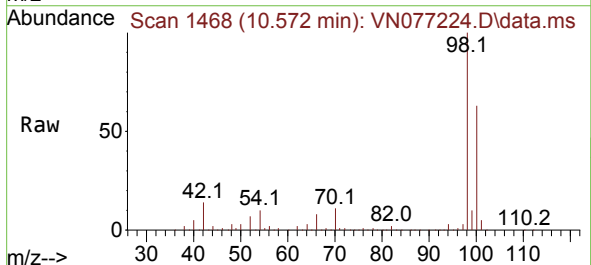
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Z-032323

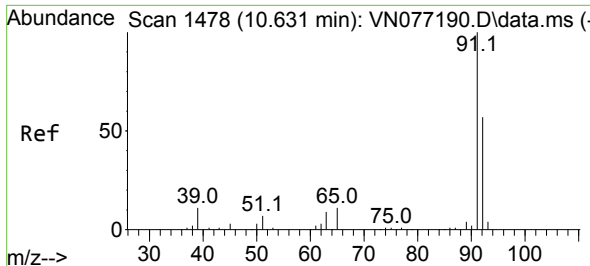
Tgt Ion: 43 Resp: 28411
Ion Ratio Lower Upper
43 100
61 0.9 26.2 39.2#
87 0.0 14.8 22.2#



#50
Toluene-d8
Concen: 46.585 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion: 98 Resp: 917807
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2

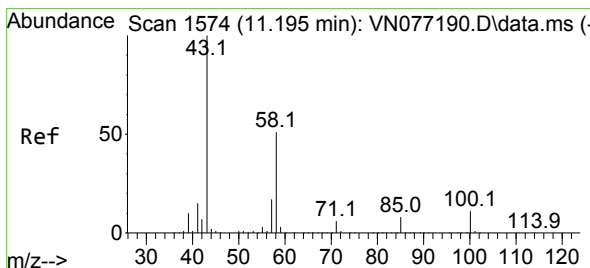
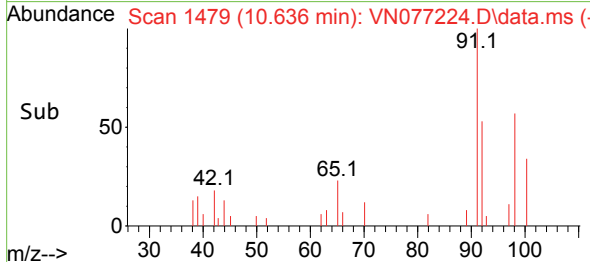
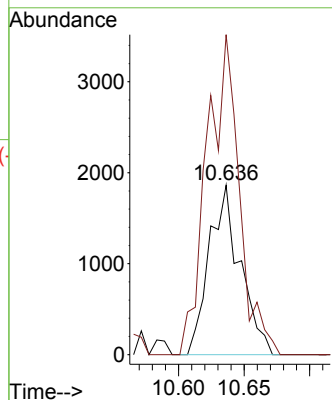
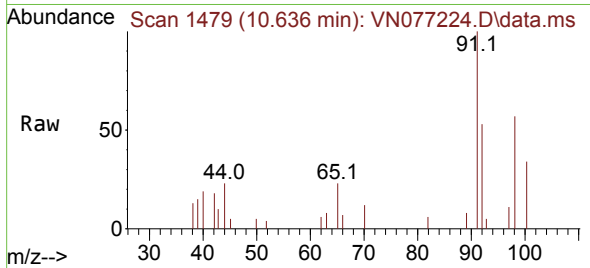




#52
Toluene
Concen: 0.225 ug/l
RT: 10.636 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

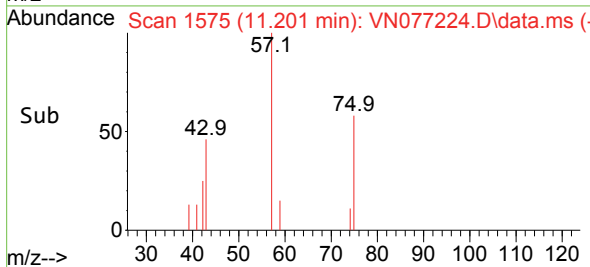
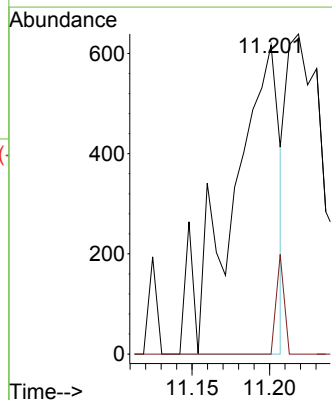
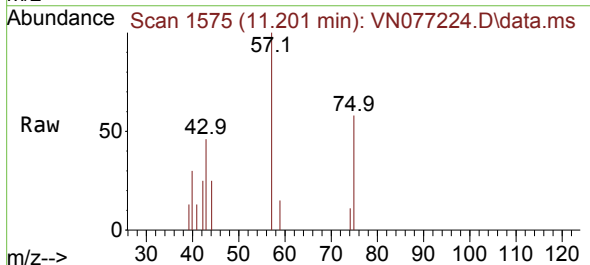
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Z-032323

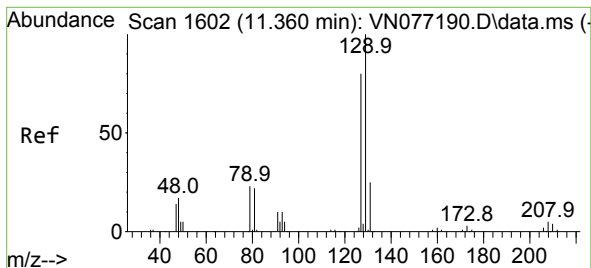
Tgt Ion: 92 Resp: 3075
Ion Ratio Lower Upper
92 100
91 196.8 138.2 207.2



#59
2-Hexanone
Concen: 0.222 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 5.3 32.6 98.0#





#60

Dibromochloromethane

Concen: 4.090 ug/l

RT: 11.107 min Scan# 11

Delta R.T. -0.253 min

Lab File: VN077224.D

Acq: 28 Mar 2023 00:42

Instrument :

MSVOA_N

ClientSampleId :

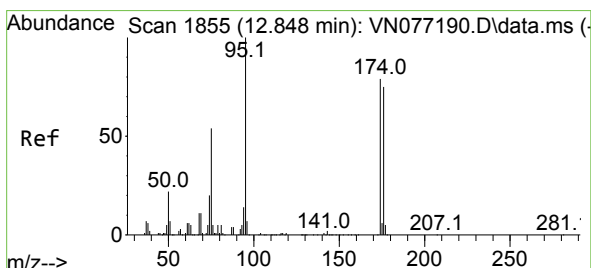
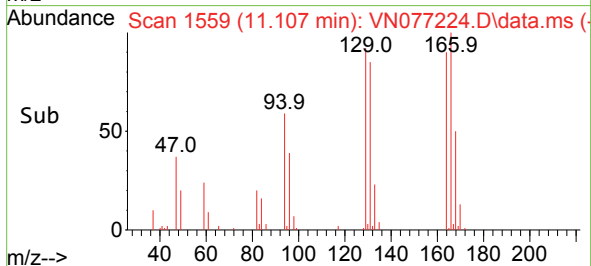
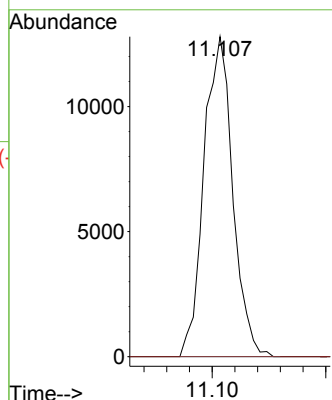
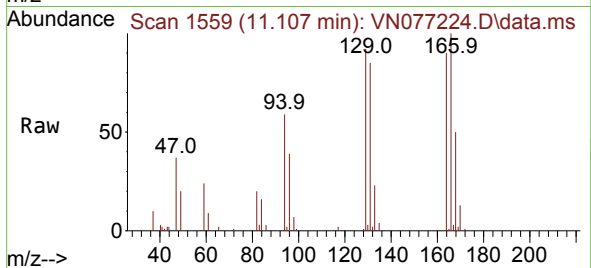
152140-TCLP-Z-032323

Tgt Ion:129 Resp: 22558

Ion Ratio Lower Upper

129 100

127 0.0 39.6 118.8#



#62

4-Bromofluorobenzene

Concen: 42.192 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077224.D

Acq: 28 Mar 2023 00:42

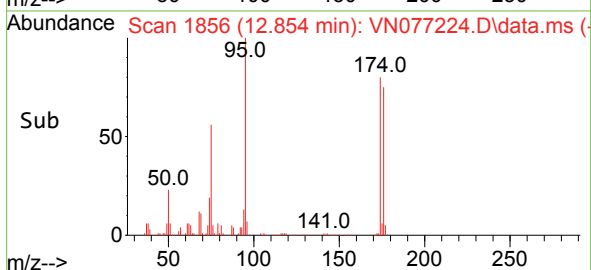
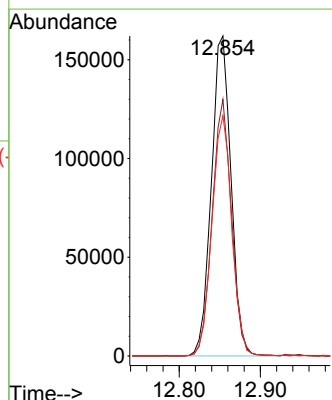
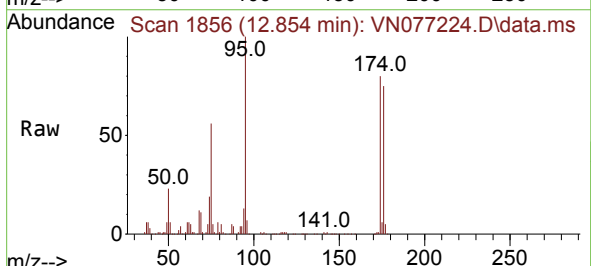
Tgt Ion: 95 Resp: 272813

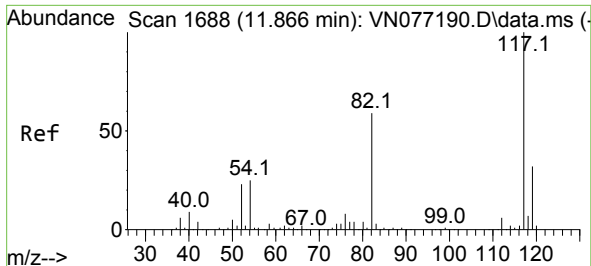
Ion Ratio Lower Upper

95 100

174 78.6 0.0 162.4

176 75.8 0.0 157.4

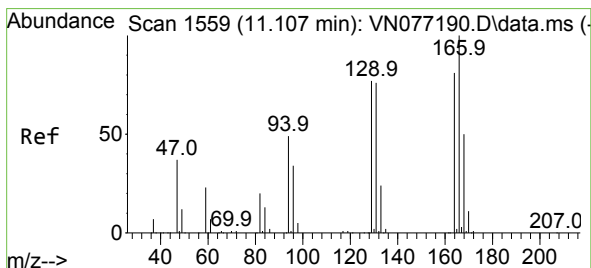
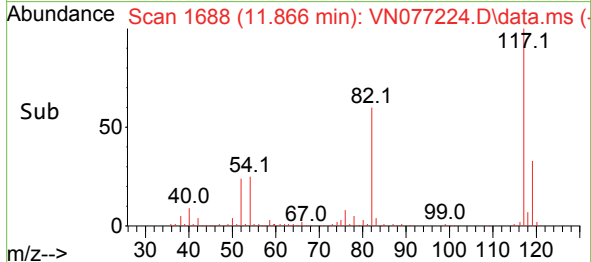
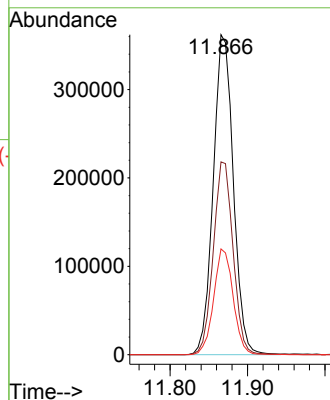
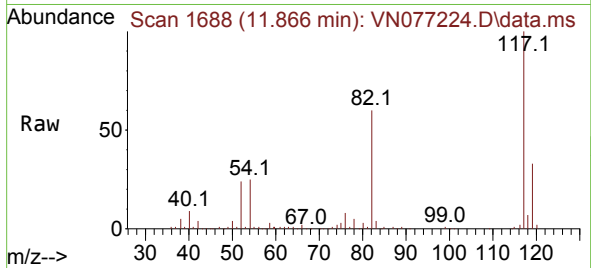




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

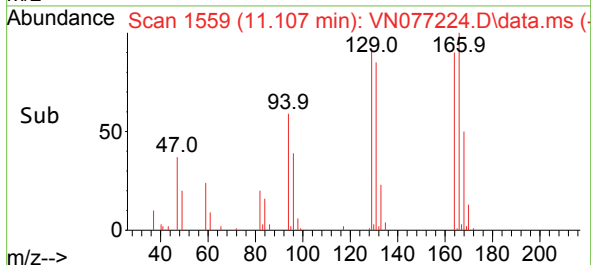
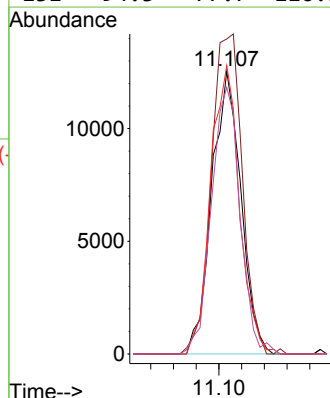
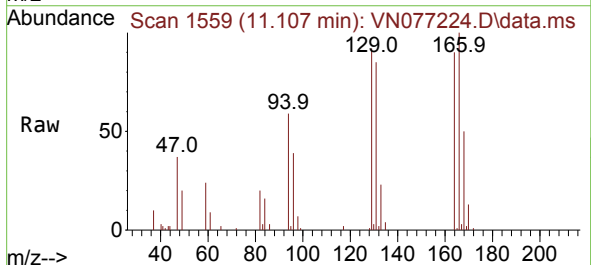
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Z-032323

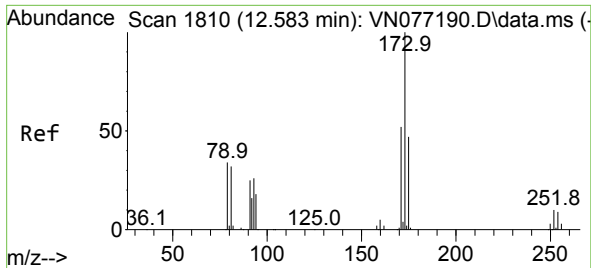
Tgt Ion:117 Resp: 652375
Ion Ratio Lower Upper
117 100
82 60.2 43.5 65.3
119 33.0 25.5 38.3



#64
Tetrachloroethene
Concen: 5.504 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion:164 Resp: 22275
Ion Ratio Lower Upper
164 100
166 111.5 102.7 154.1
129 102.0 81.5 122.3
131 94.3 77.7 116.5

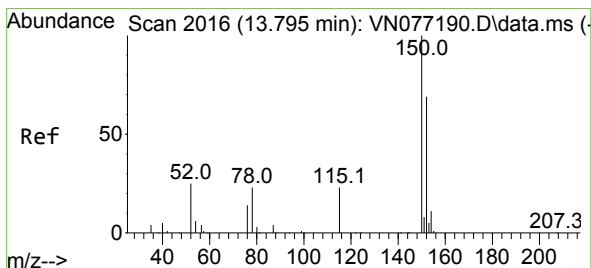
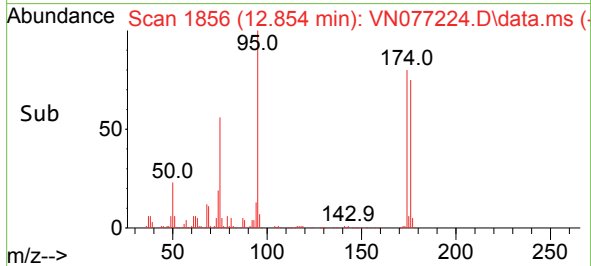
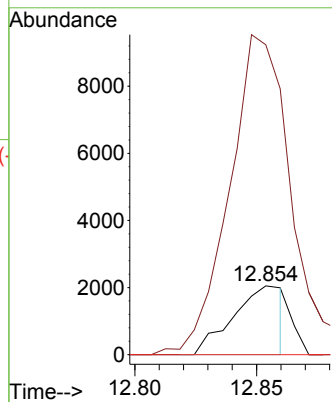
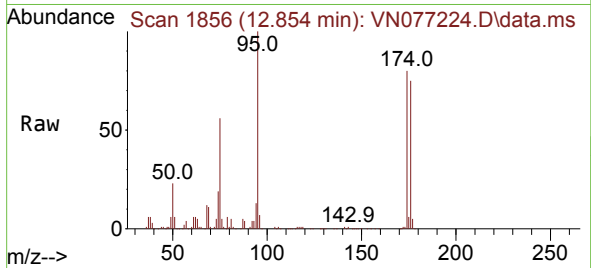




#71
Bromoform
Concen: 0.835 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

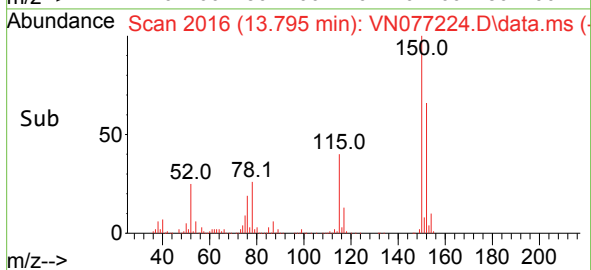
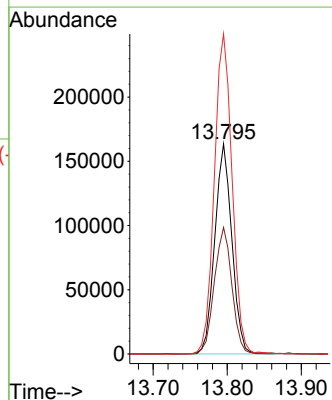
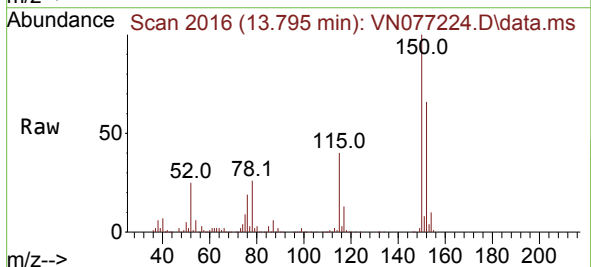
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Z-032323

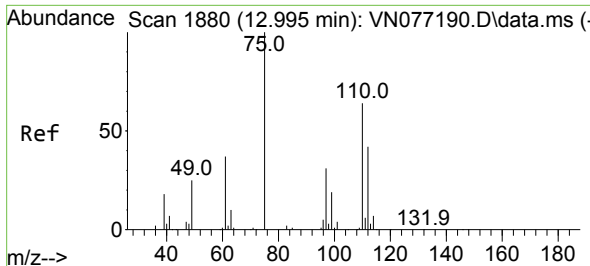
Tgt Ion:173 Resp: 2969
Ion Ratio Lower Upper
173 100
175 471.9 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion:152 Resp: 262570
Ion Ratio Lower Upper
152 100
115 61.6 30.3 90.9
150 158.0 0.0 353.6

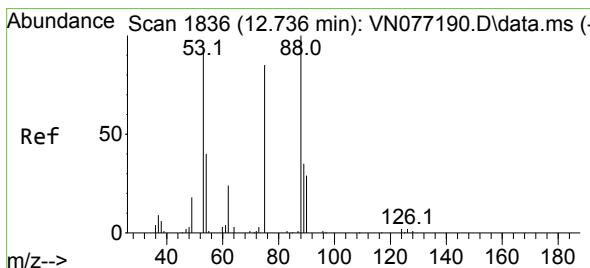
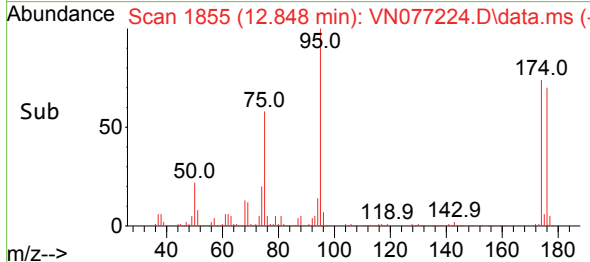
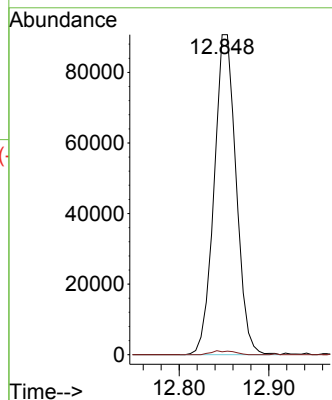
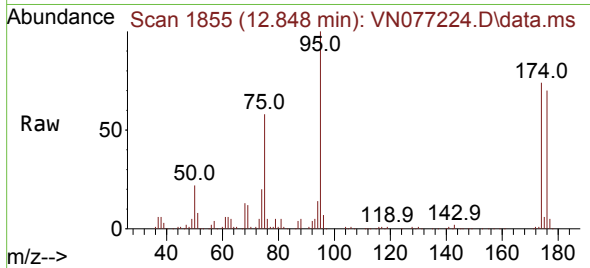




#76
1,2,3-Trichloropropane
Concen: 28.992 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

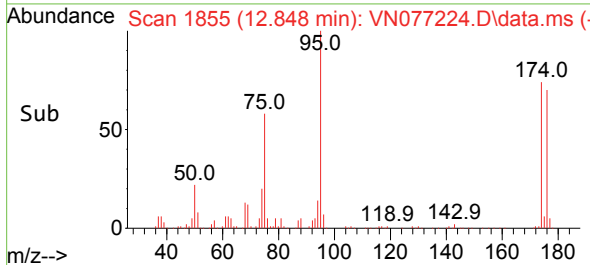
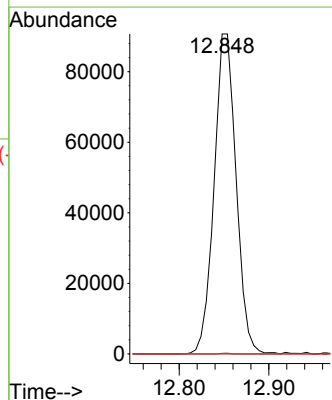
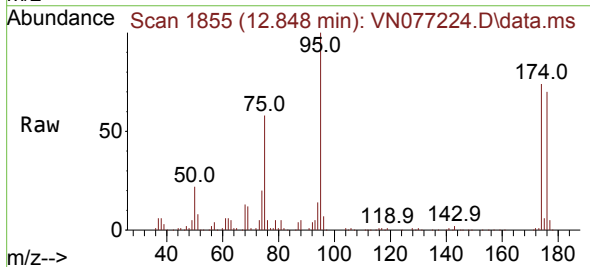
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Z-032323

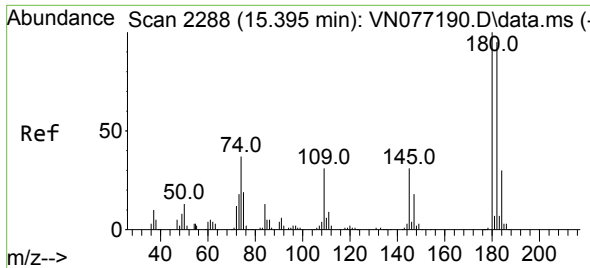
Tgt Ion: 75 Resp: 154426
Ion Ratio Lower Upper
75 100
77 1.2 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.560 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion: 75 Resp: 154426
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.0#
89 0.0 39.5 59.3#

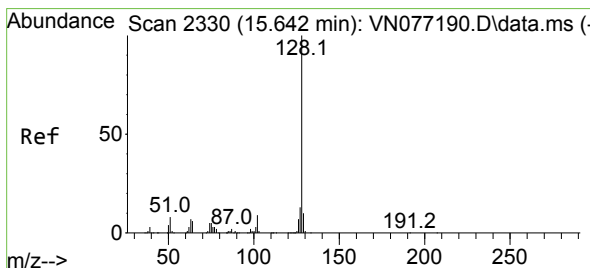
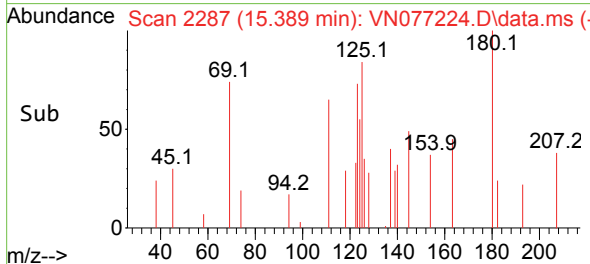
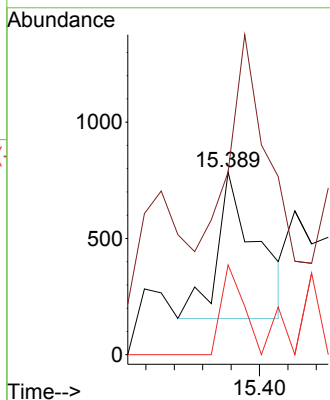
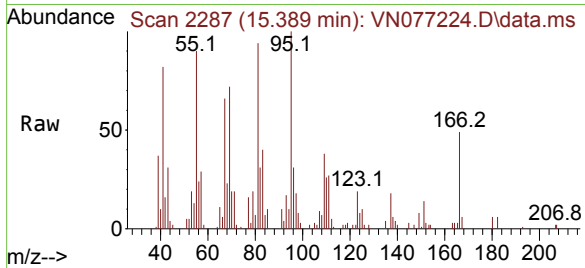




#93
1,2,4-Trichlorobenzene
Concen: 4.510 ug/l
RT: 15.389 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

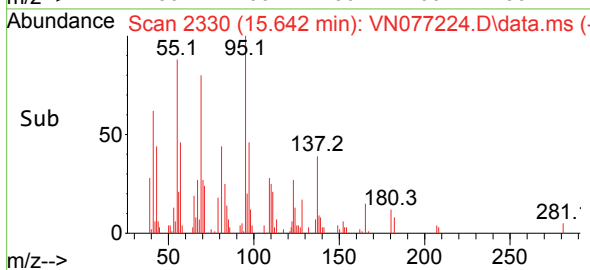
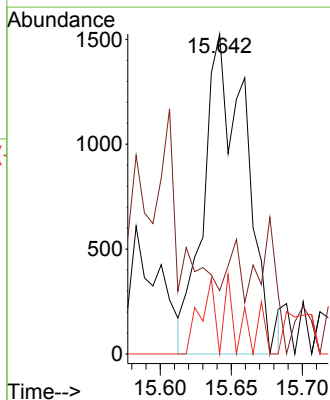
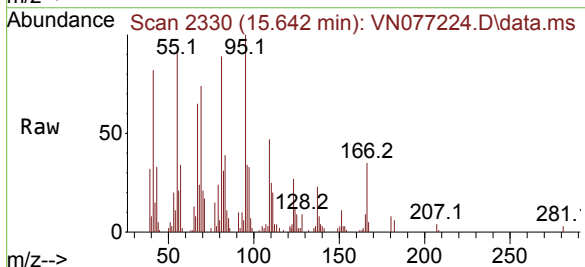
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-Z-032323

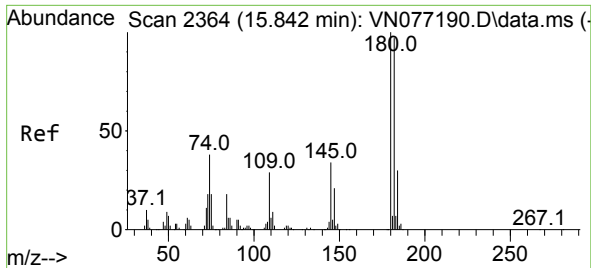
Tgt Ion:180 Resp: 611
Ion Ratio Lower Upper
180 100
182 181.8 47.4 142.2#
145 34.4 15.8 47.3



#95
Naphthalene
Concen: 6.113 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN077224.D
Acq: 28 Mar 2023 00:42

Tgt Ion:128 Resp: 3148
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 8.3 8.9 13.3#





#96

1,2,3-Trichlorobenzene

Concen: 6.518 ug/l

RT: 15.871 min Scan# 21

Delta R.T. 0.029 min

Lab File: VN077224.D

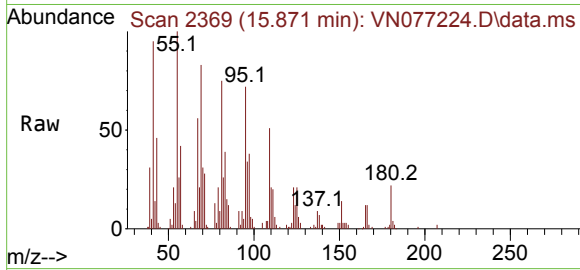
Acq: 28 Mar 2023 00:42

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-Z-032323



Tgt Ion:180 Resp: 8468

Ion Ratio Lower Upper

180 100

182 5.3 47.7 143.1#

145 0.6 17.0 51.0#

