

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020923\
 Data File : VX034069.D
 Acq On : 07 Feb 2023 18:24
 Operator : JC/MD
 Sample : 01467-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33906

Quant Time: Feb 08 00:06:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

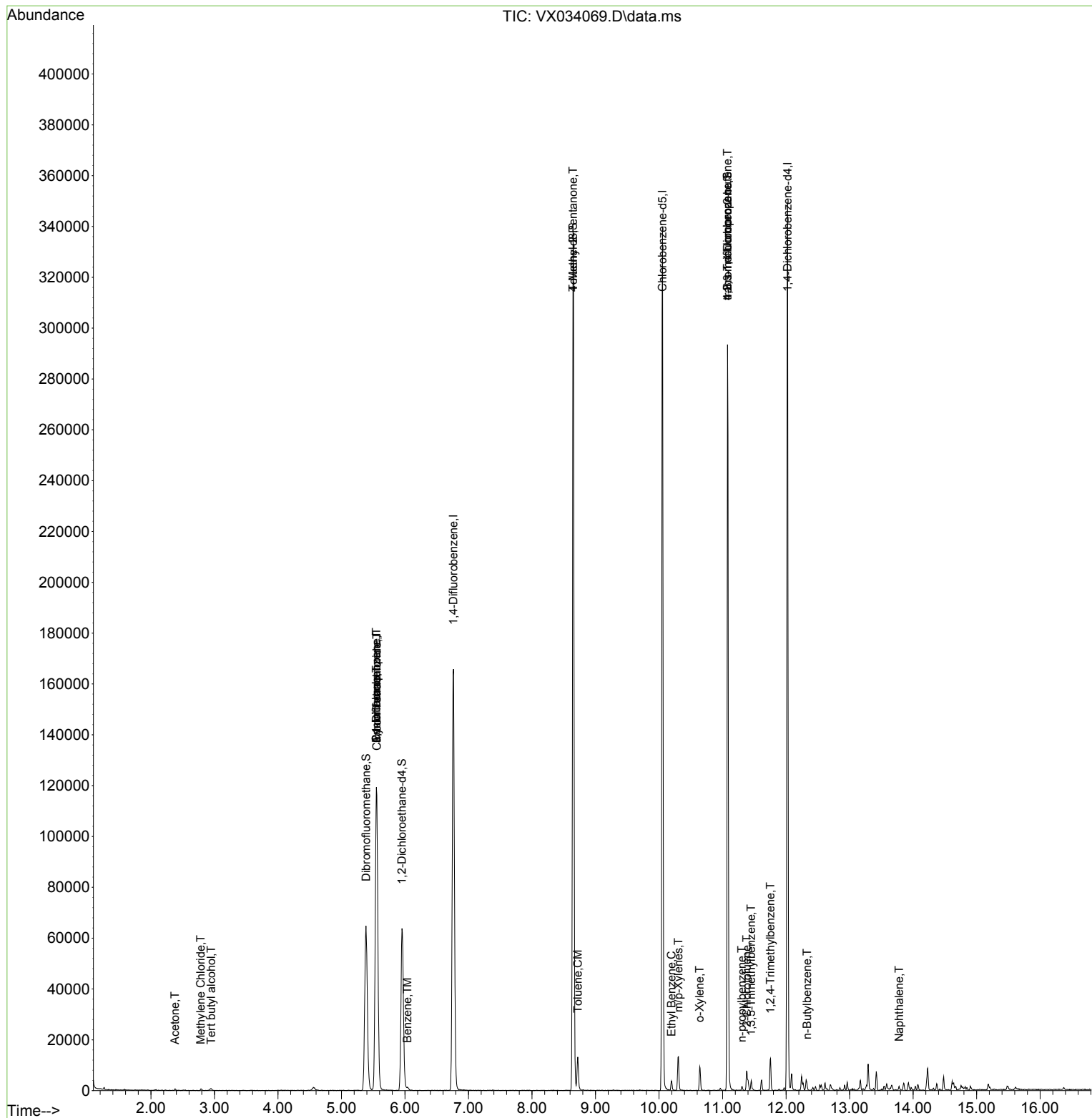
Internal Standards						
1) Pentafluorobenzene	5.550	168	131882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	182272	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63790	50.173	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.340%			
35) Dibromofluoromethane	5.385	113	57026	49.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.320%			
50) Toluene-d8	8.647	98	208209	49.816	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.640%			
62) 4-Bromofluorobenzene	11.079	95	74357	49.813	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.620%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	549	3.082	ug/l #	86
16) Acetone	2.380	43	567	1.056	ug/l #	88
20) Methylene Chloride	2.782	84	311	0.253	ug/l #	73
31) Cyclohexane	5.550	56	1879	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	7580	4.766	ug/l #	49
38) Carbon Tetrachloride	5.556	117	11160	6.579	ug/l #	16
40) Benzene	6.037	78	1316	0.286	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	743	0.513	ug/l #	1
52) Toluene	8.720	92	5206	1.746	ug/l	100
67) Ethyl Benzene	10.195	91	2610	0.456	ug/l	92
68) m/p-Xylenes	10.305	106	3493	1.528	ug/l	93
69) o-Xylene	10.640	106	2403	1.095	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	34892	24.779	ug/l #	34
78) n-propylbenzene	11.305	91	1242	0.205	ug/l	95
79) 2-Chlorotoluene	11.384	91	762	0.208	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1908	0.418	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	34892	76.311	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	6089	1.336	ug/l	96
89) n-Butylbenzene	12.329	91	884	0.228	ug/l #	41
95) Naphthalene	13.780	128	1339	0.254	ug/l #	91

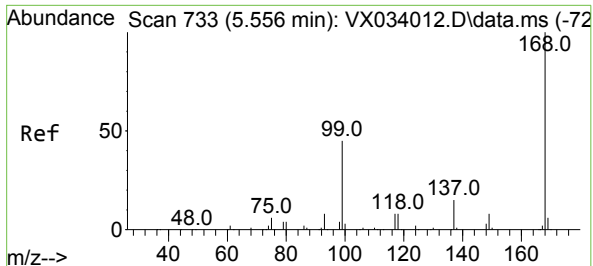
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020923\
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33906

Quant Time: Feb 08 00:06:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 03 23:25:45 2023
Response via : Initial Calibration

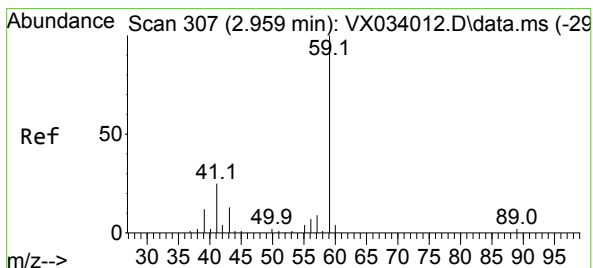
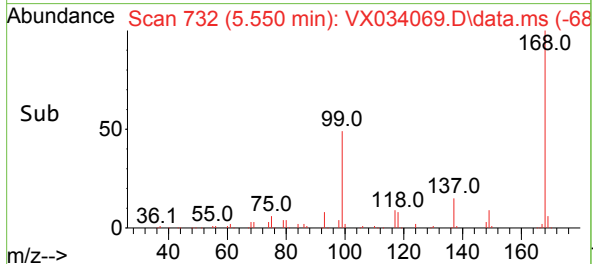
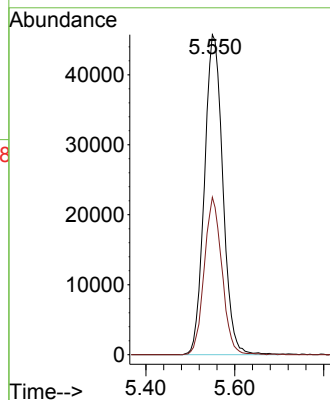
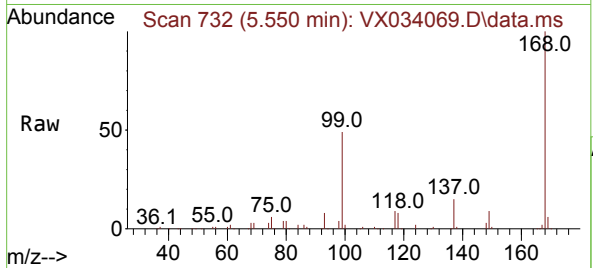




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

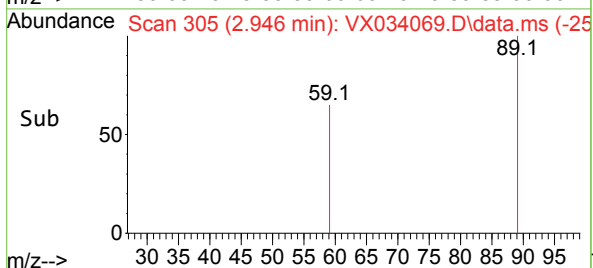
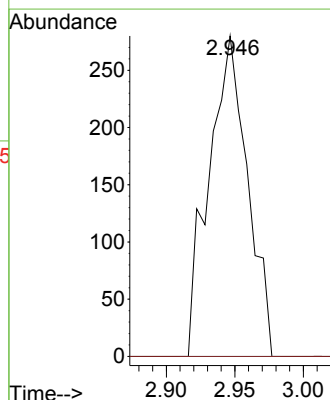
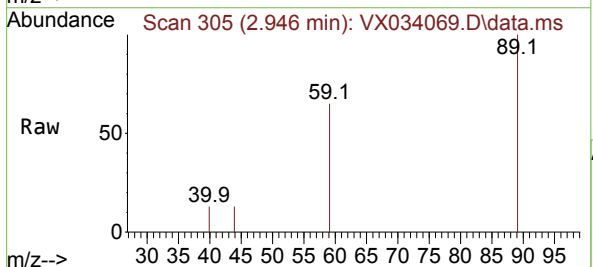
Instrument :
MSVOA_X
ClientSampleId :
33906

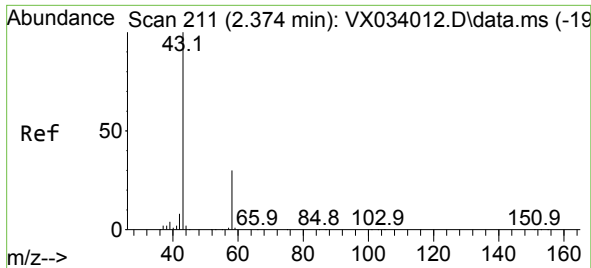
Tgt Ion:168 Resp: 131882
Ion Ratio Lower Upper
168 100
99 49.2 39.6 59.4



#11
Tert butyl alcohol
Concen: 3.082 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion: 59 Resp: 549
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#





#16

Acetone

Concen: 1.056 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX034069.D

Acq: 07 Feb 2023 18:24

Instrument :

MSVOA_X

ClientSampleId :

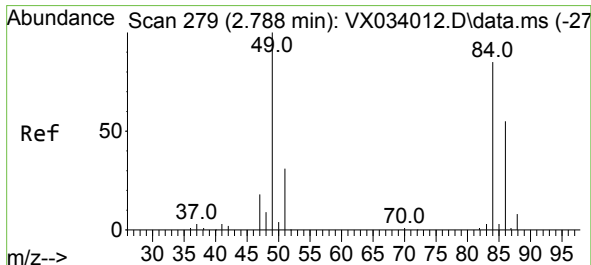
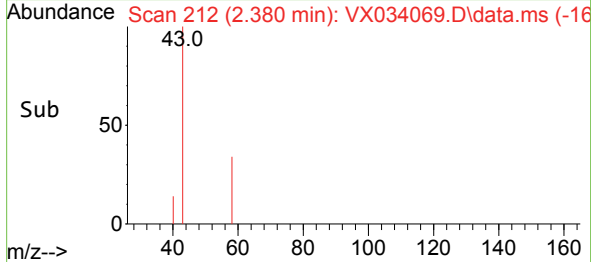
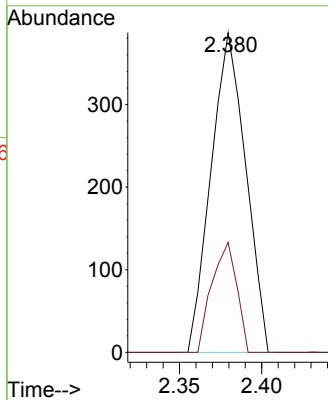
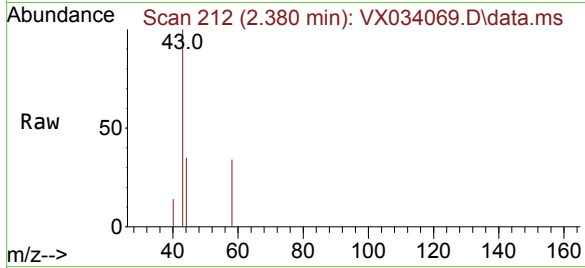
33906

Tgt Ion: 43 Resp: 567

Ion Ratio Lower Upper

43 100

58 34.4 22.6 33.8#



#20

Methylene Chloride

Concen: 0.253 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX034069.D

Acq: 07 Feb 2023 18:24

Tgt Ion: 84 Resp: 311

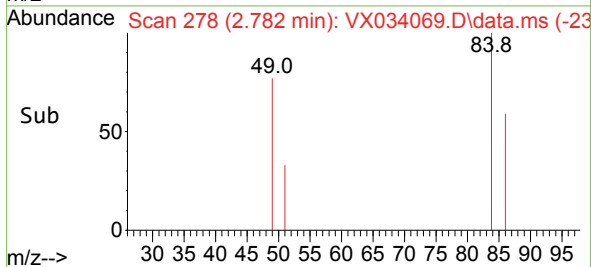
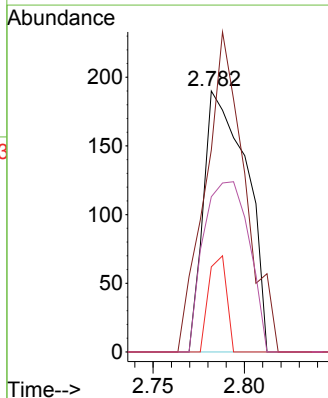
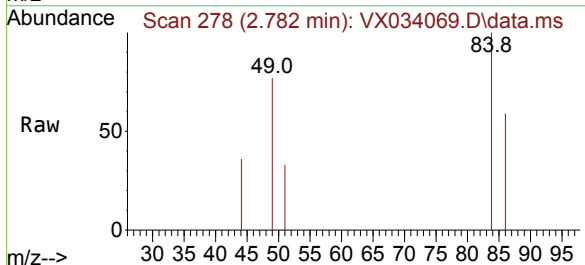
Ion Ratio Lower Upper

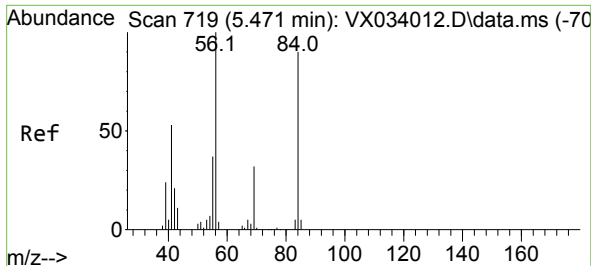
84 100

49 77.4 101.1 151.7#

51 32.6 31.0 46.6

86 59.5 52.6 79.0

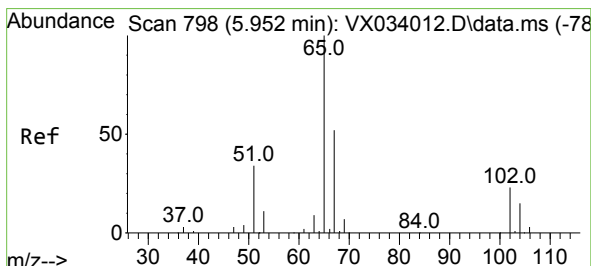
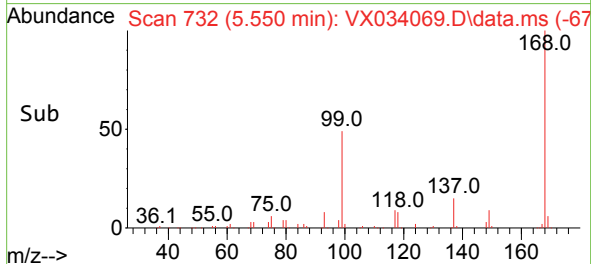
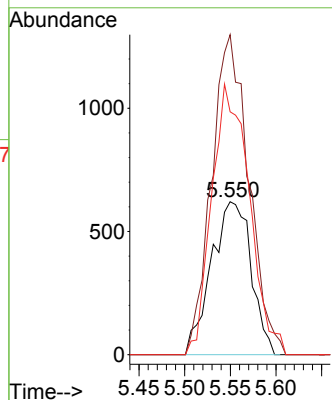
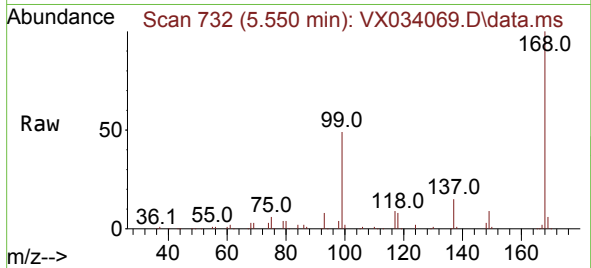




#31
Cyclohexane
Concen: 1.015 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

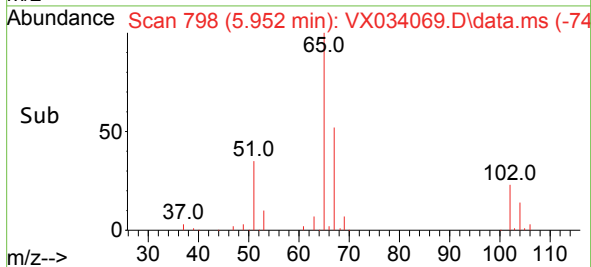
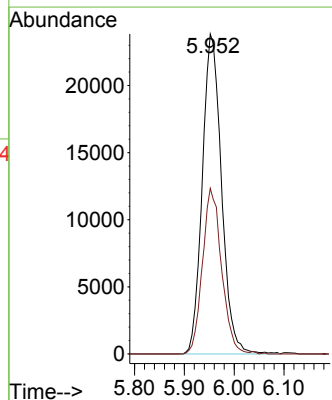
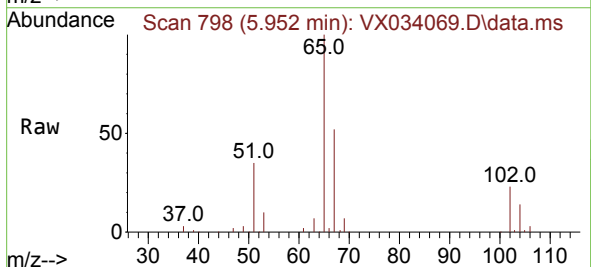
Instrument :
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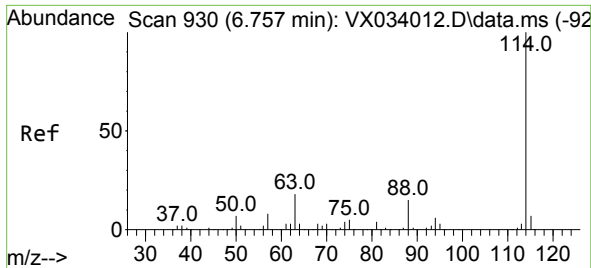
Tgt Ion: 56 Resp: 1879
Ion Ratio Lower Upper
56 100
69 209.2 24.6 37.0#
84 158.8 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 50.173 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion: 65 Resp: 63790
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.8

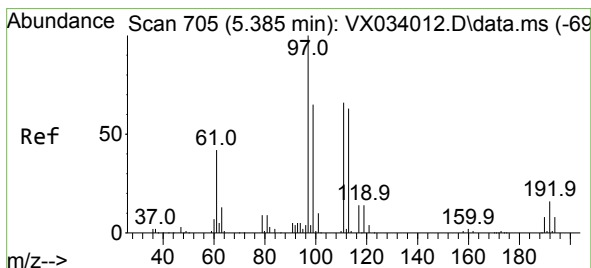
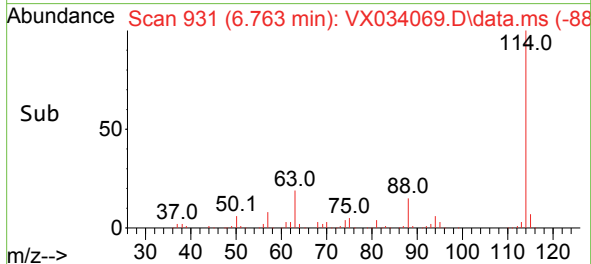
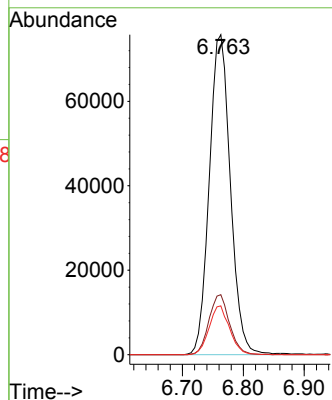
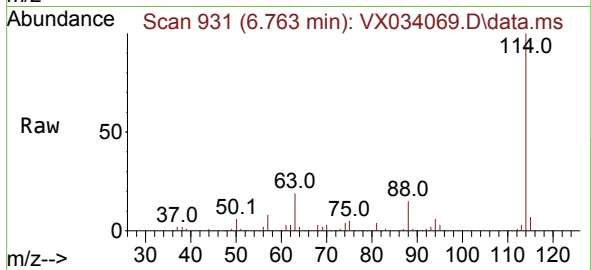




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

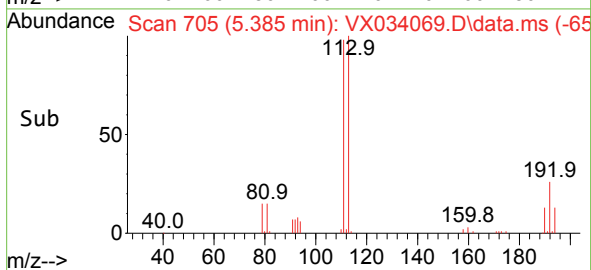
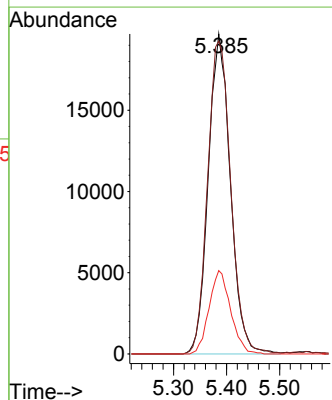
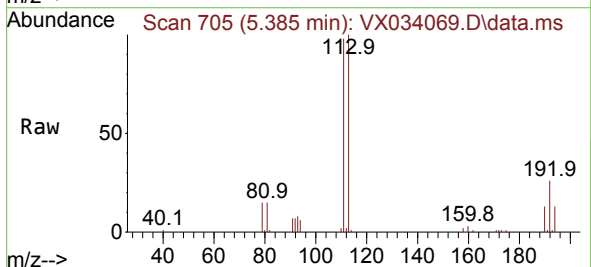
Instrument :
MSVOA_X
ClientSampleId :
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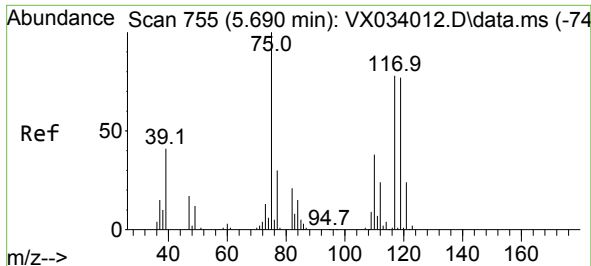
Tgt Ion:114 Resp: 182272
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.159 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion:113 Resp: 57026
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.6
192 25.4 19.0 28.4

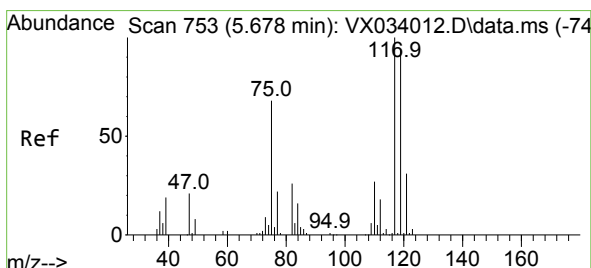
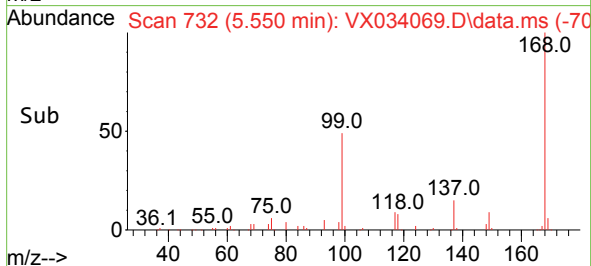
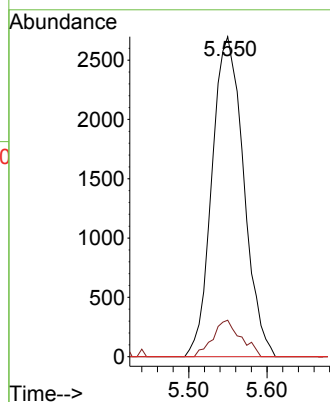
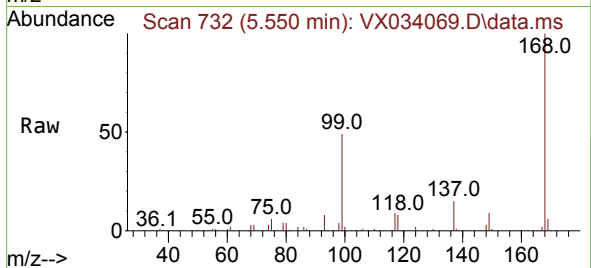




#36
1,1-Dichloropropene
Concen: 4.766 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

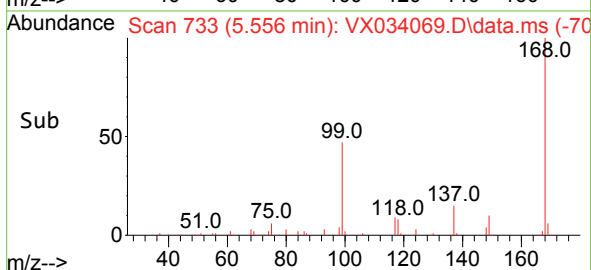
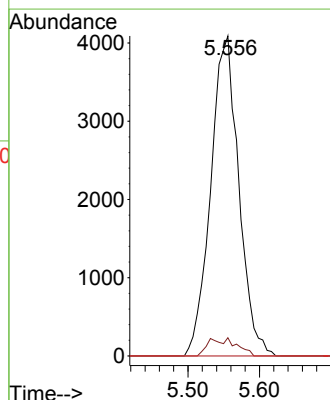
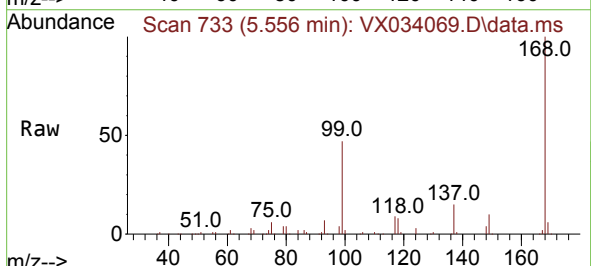
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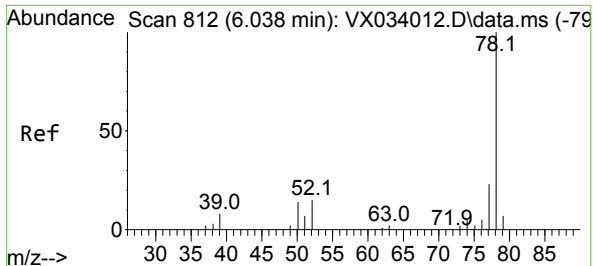
Tgt Ion: 75 Resp: 7580
Ion Ratio Lower Upper
75 100
110 10.1 18.8 56.4#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.579 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion: 117 Resp: 11160
Ion Ratio Lower Upper
117 100
119 5.7 78.0 117.0#
121 0.0 24.4 36.6#

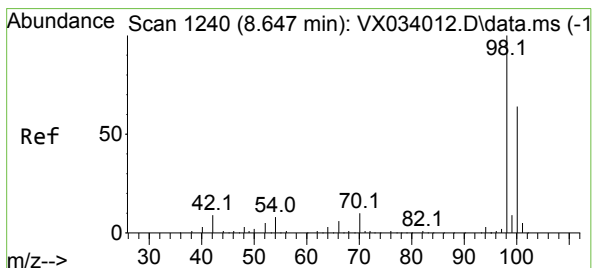
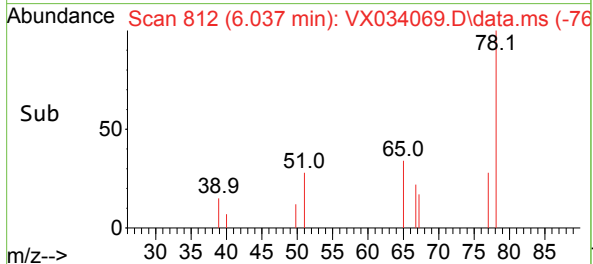
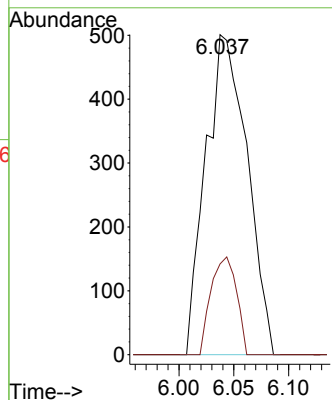
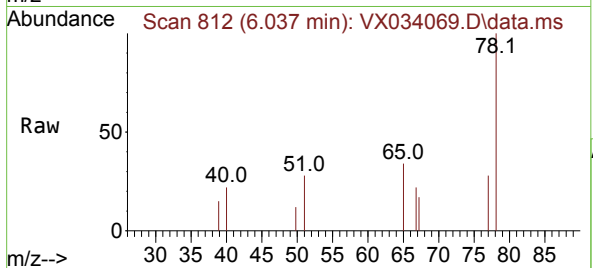




#40
Benzene
Concen: 0.286 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

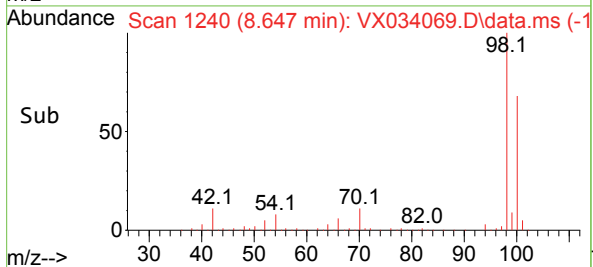
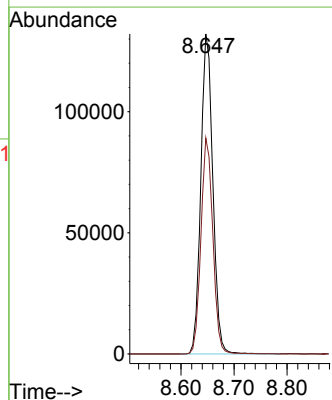
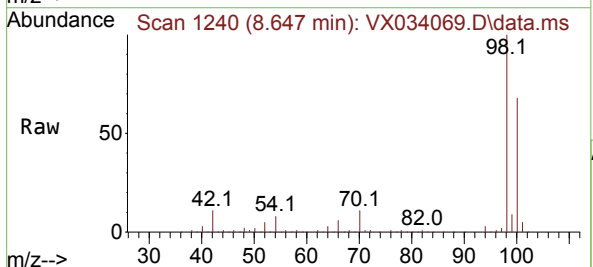
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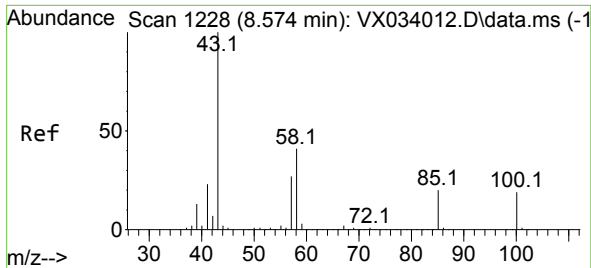
Tgt Ion: 78 Resp: 1316
Ion Ratio Lower Upper
78 100
77 28.3 19.0 28.4



#50
Toluene-d8
Concen: 49.816 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion: 98 Resp: 208209
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4

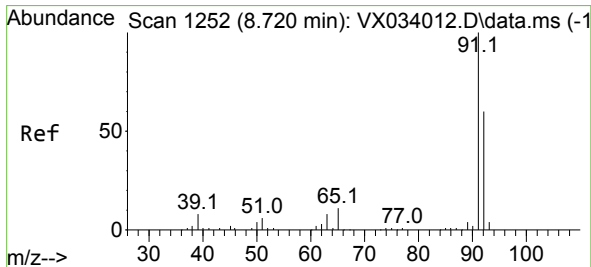
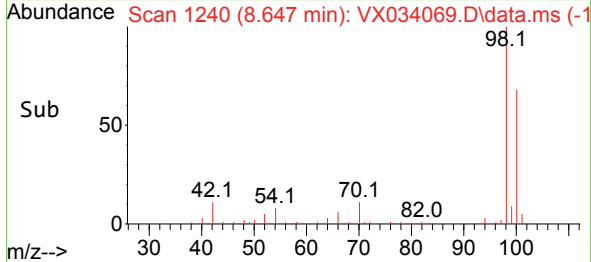
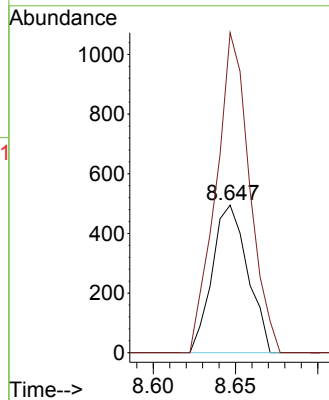
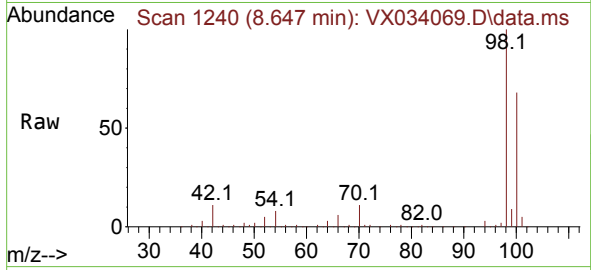




#51
4-Methyl-2-Pentanone
Concen: 0.513 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

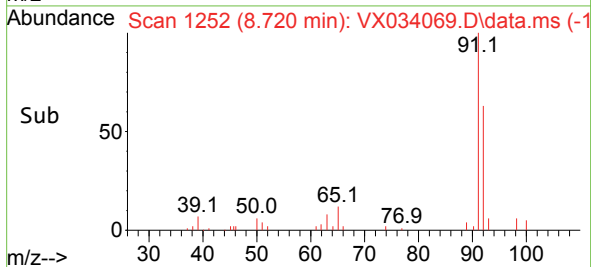
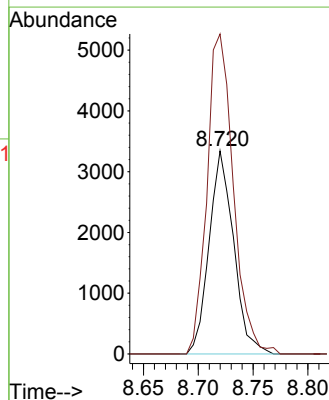
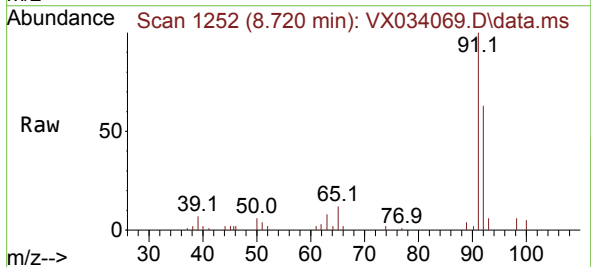
Instrument :
MSVOA_X
ClientSampleId :
33906

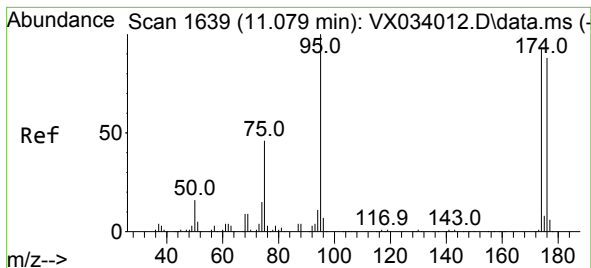
Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
58 205.5 31.2 46.8#



#52
Toluene
Concen: 1.746 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion: 92 Resp: 5206
Ion Ratio Lower Upper
92 100
91 169.4 135.5 203.3

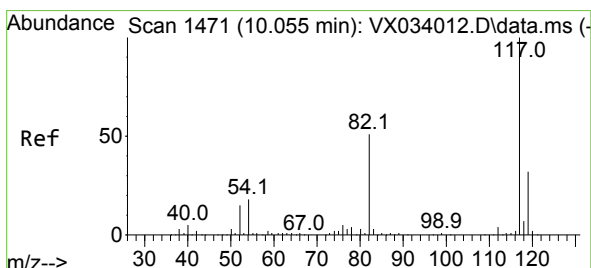
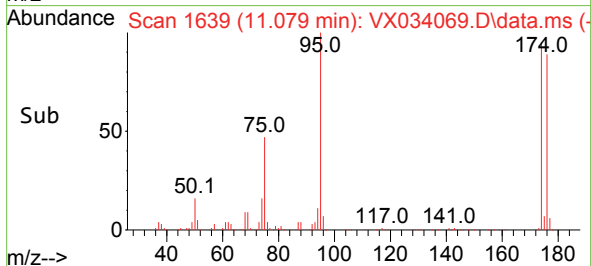
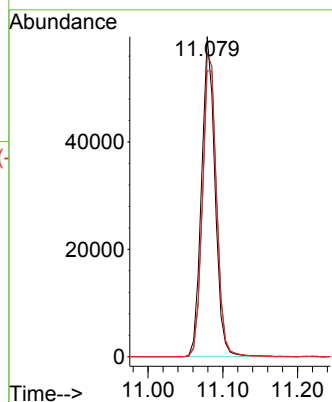
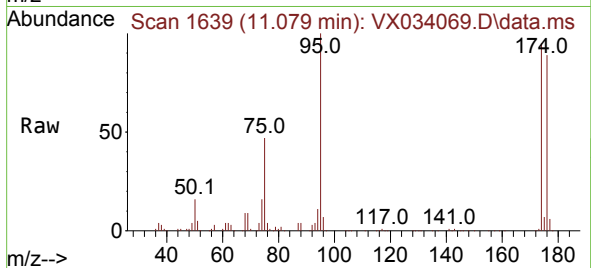




#62
4-Bromofluorobenzene
Concen: 49.813 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

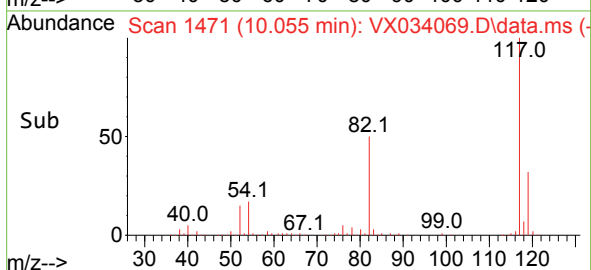
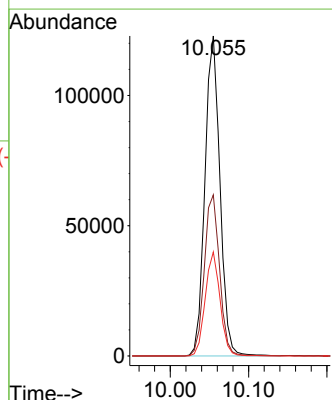
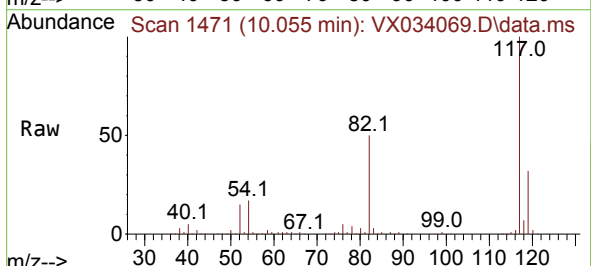
Instrument :
MSVOA_X
ClientSampleId :
33906

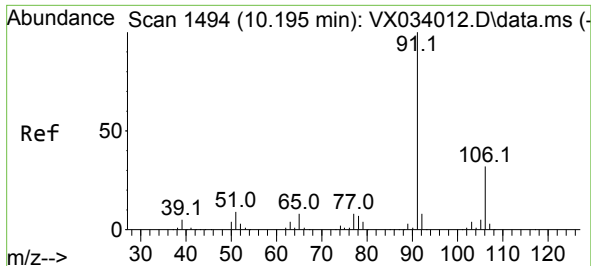
Tgt Ion: 95 Resp: 74357
Ion Ratio Lower Upper
95 100
174 99.4 0.0 184.4
176 96.1 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion: 117 Resp: 163560
Ion Ratio Lower Upper
117 100
82 50.3 40.6 60.8
119 32.5 25.6 38.4





#67

Ethyl Benzene

Concen: 0.456 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX034069.D

Acq: 07 Feb 2023 18:24

Instrument :

MSVOA_X

ClientSampleId :

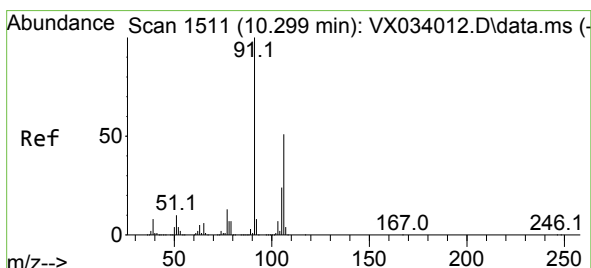
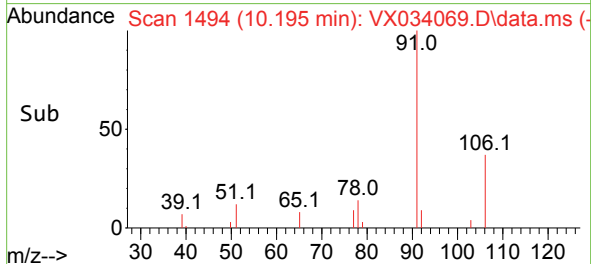
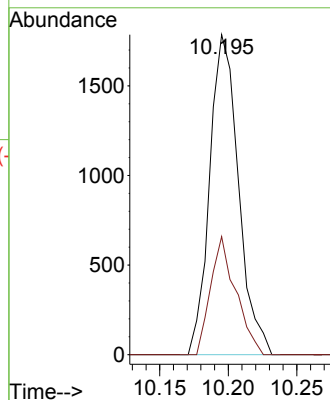
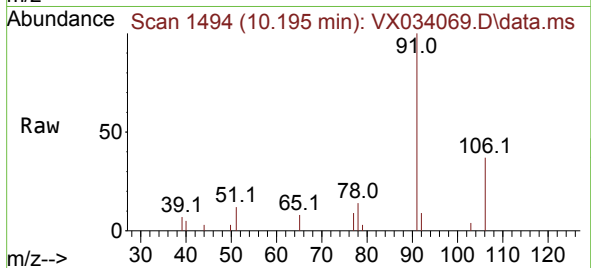
33906

Tgt Ion: 91 Resp: 2610

Ion Ratio Lower Upper

91 100

106 36.9 25.8 38.8



#68

m/p-Xylenes

Concen: 1.528 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX034069.D

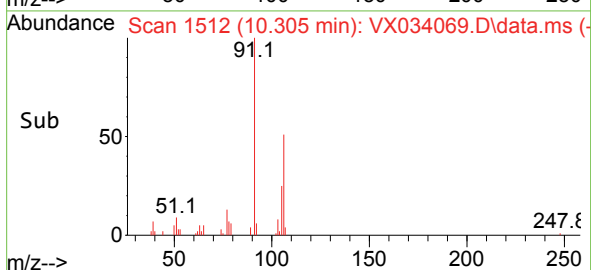
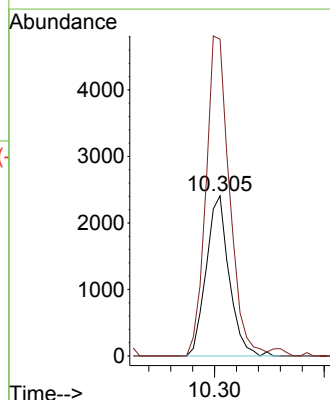
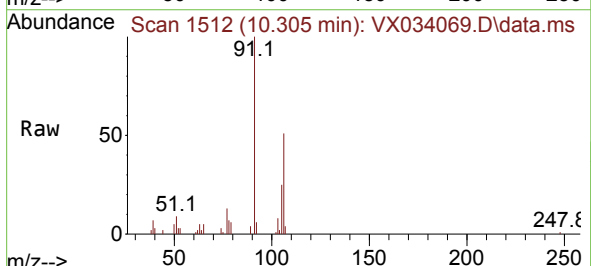
Acq: 07 Feb 2023 18:24

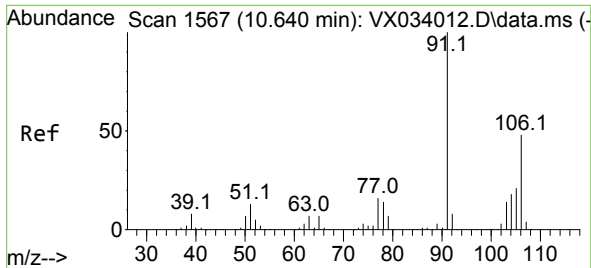
Tgt Ion: 106 Resp: 3493

Ion Ratio Lower Upper

106 100

91 205.4 156.4 234.6

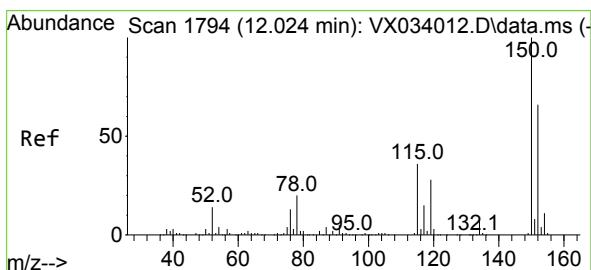
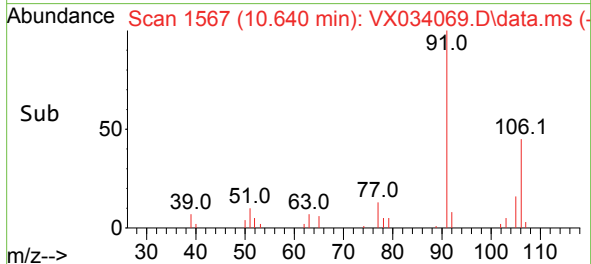
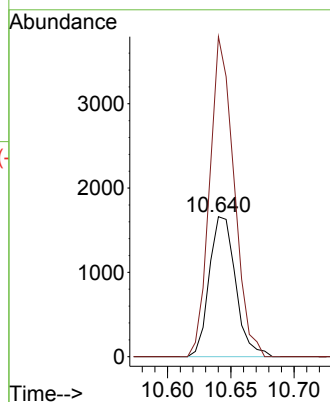
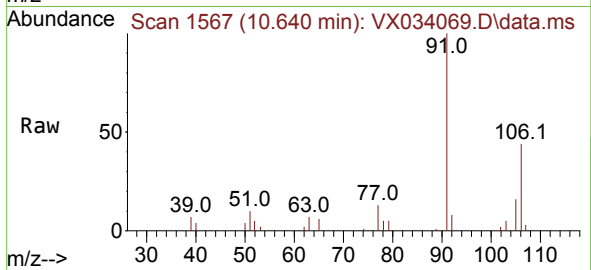




#69
o-Xylene
Concen: 1.095 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

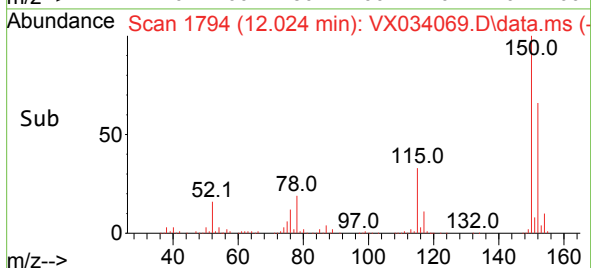
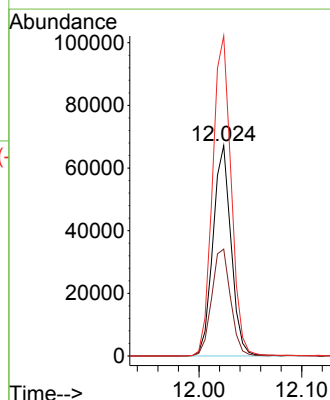
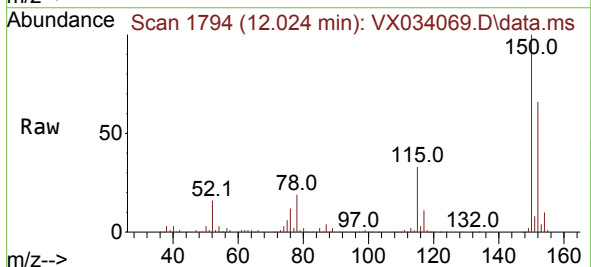
Instrument :
MSVOA_X
ClientSampleId :
33906

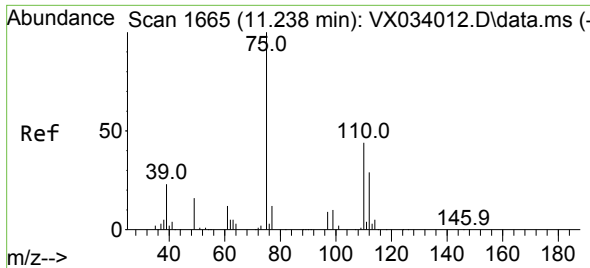
Tgt Ion:106 Resp: 2403
Ion Ratio Lower Upper
106 100
91 211.2 103.1 309.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion:152 Resp: 82007
Ion Ratio Lower Upper
152 100
115 53.2 38.7 116.1
150 156.5 0.0 348.2

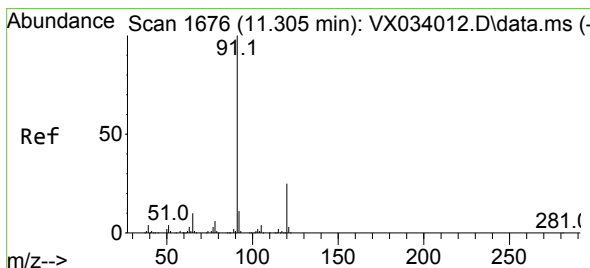
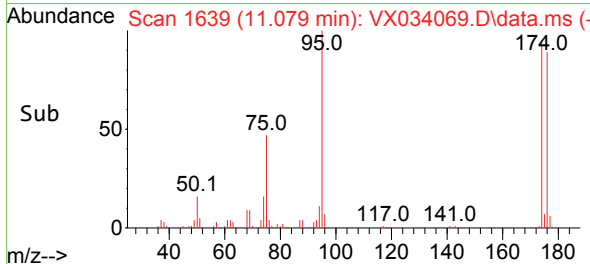
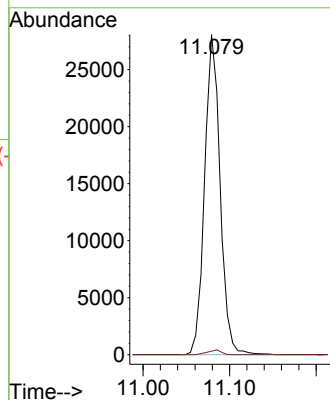
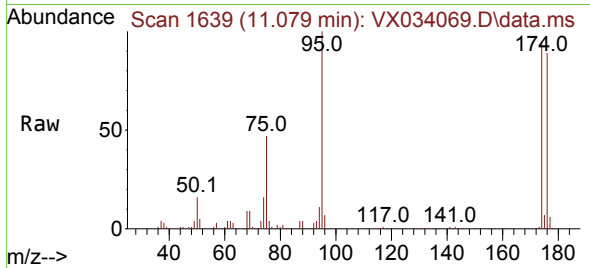




#76
1,2,3-Trichloropropane
Concen: 24.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

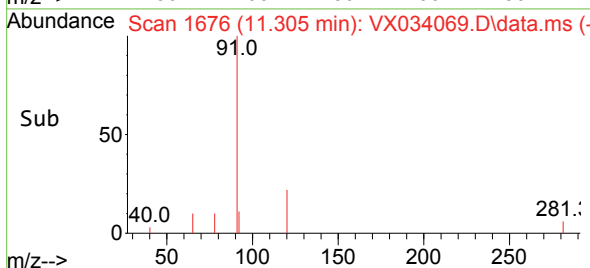
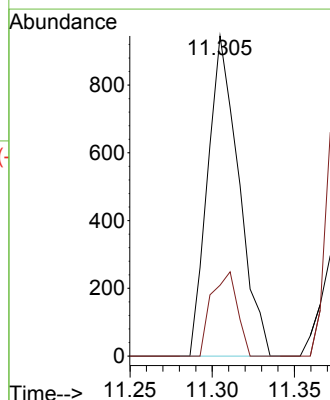
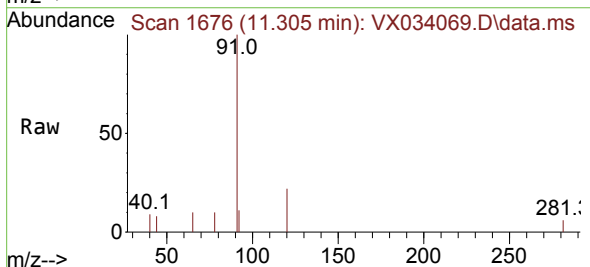
Instrument :
MSVOA_X
ClientSampleId :
33906

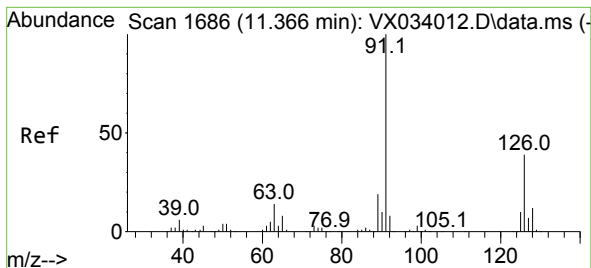
Tgt Ion: 75 Resp: 34892
Ion Ratio Lower Upper
75 100
77 1.3 21.8 65.4#



#78
n-propylbenzene
Concen: 0.205 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion: 91 Resp: 1242
Ion Ratio Lower Upper
91 100
120 22.0 12.3 36.8





#79

2-Chlorotoluene

Concen: 0.208 ug/l

RT: 11.384 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX034069.D

Acq: 07 Feb 2023 18:24

Instrument :

MSVOA_X

ClientSampleId :

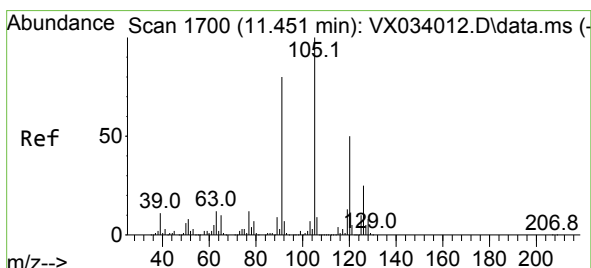
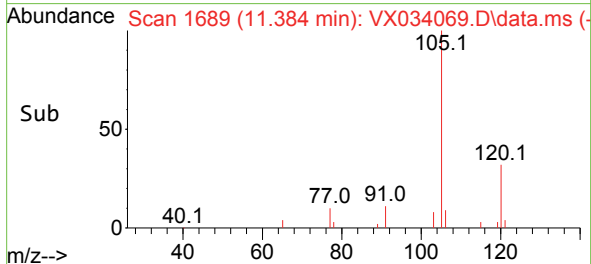
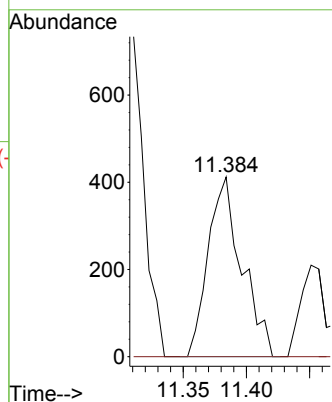
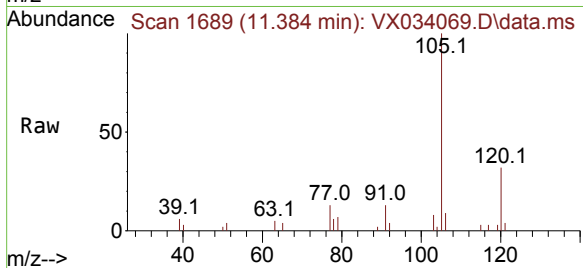
33906

Tgt Ion: 91 Resp: 762

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#80

1,3,5-Trimethylbenzene

Concen: 0.418 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX034069.D

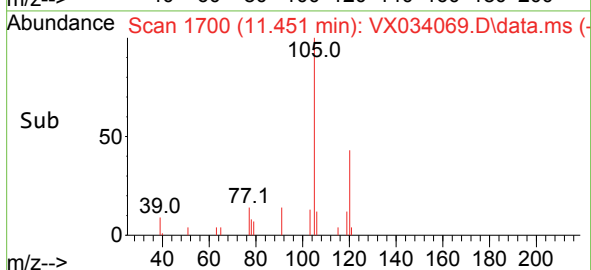
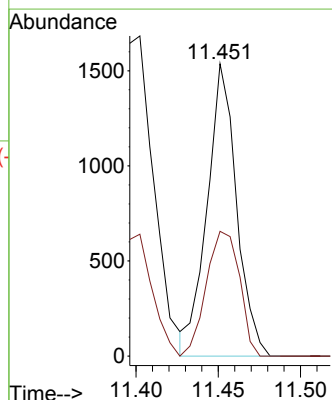
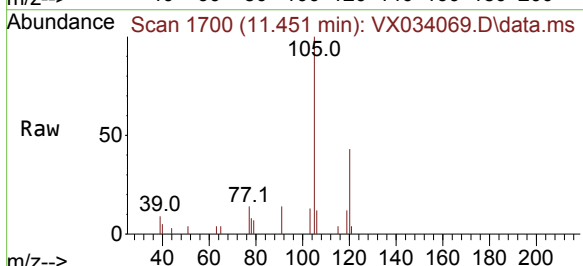
Acq: 07 Feb 2023 18:24

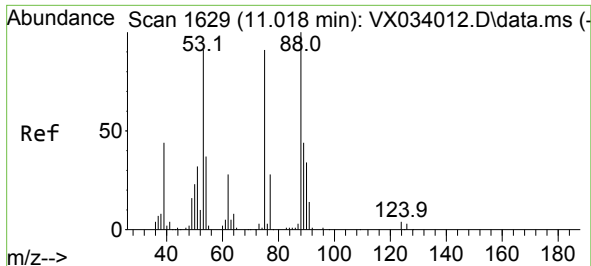
Tgt Ion: 105 Resp: 1908

Ion Ratio Lower Upper

105 100

120 48.2 25.6 76.8

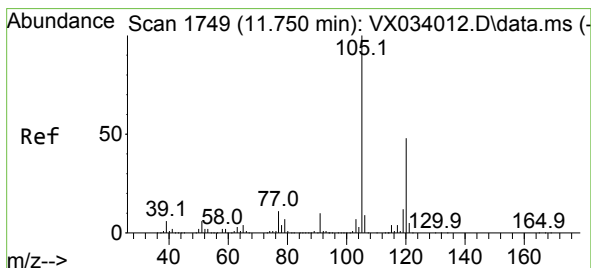
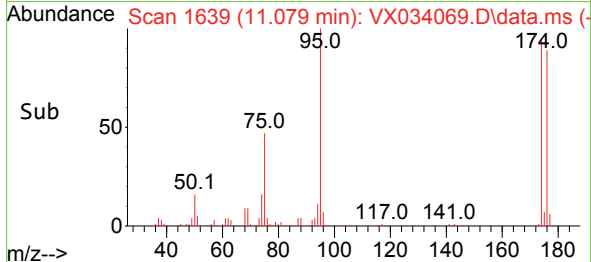
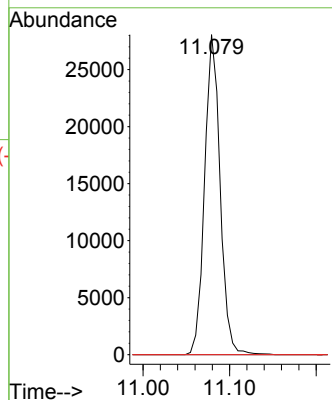
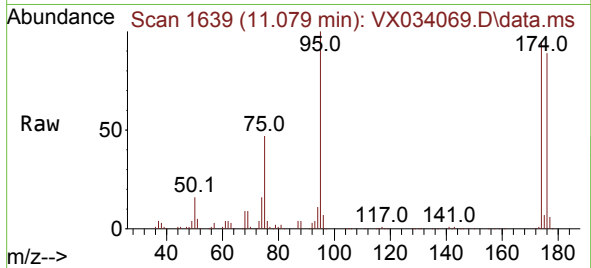




#81
trans-1,4-Dichloro-2-butene
Concen: 76.311 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

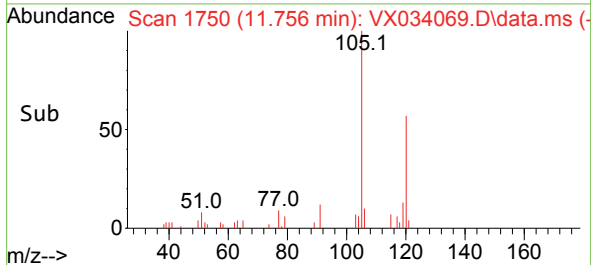
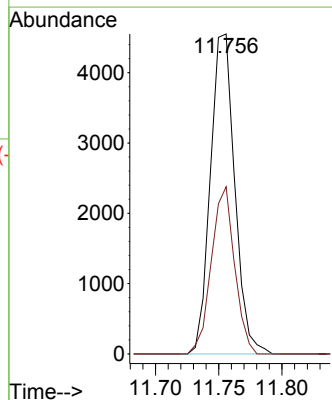
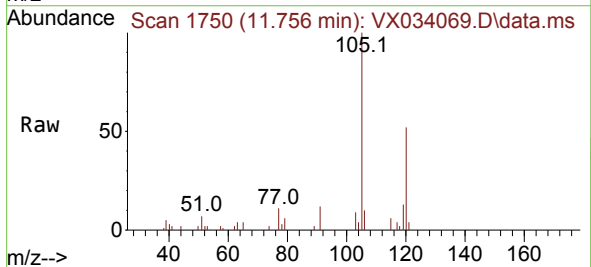
Instrument :
MSVOA_X
ClientSampleId :
33906

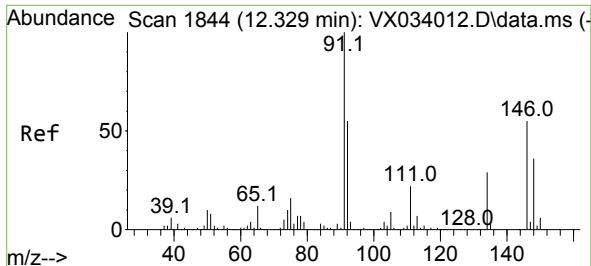
Tgt Ion: 75 Resp: 34892
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.336 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

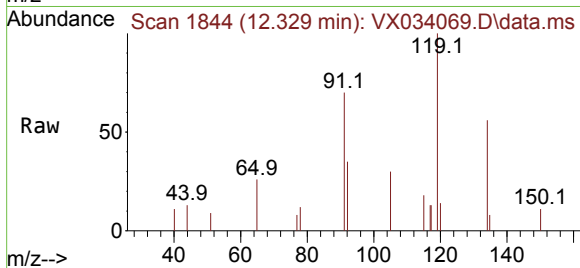
Tgt Ion: 105 Resp: 6089
Ion Ratio Lower Upper
105 100
120 49.8 23.4 70.2



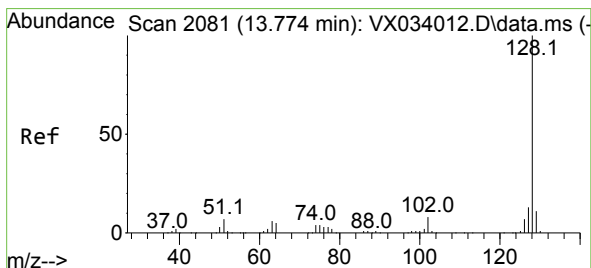
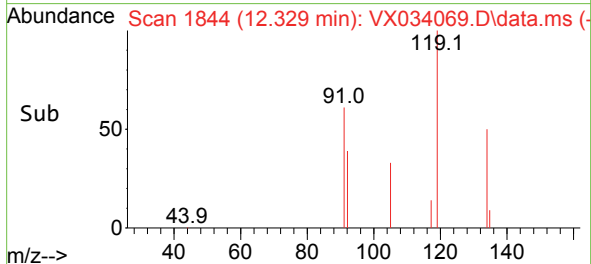
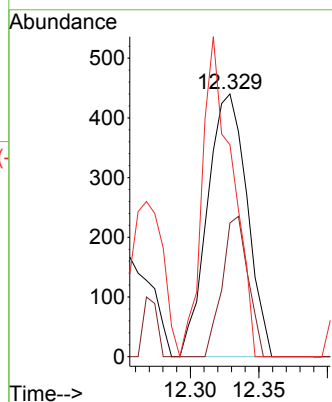


#89
n-Butylbenzene
Concen: 0.228 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Instrument :
MSVOA_X
ClientSampleId :
33906



Tgt Ion: 91 Resp: 884
Ion Ratio Lower Upper
91 100
92 35.0 27.5 82.5
134 92.3 14.3 42.9#



#95
Naphthalene
Concen: 0.254 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034069.D
Acq: 07 Feb 2023 18:24

Tgt Ion: 128 Resp: 1339
Ion Ratio Lower Upper
128 100
127 8.3 10.3 15.5#
129 8.3 8.7 13.1#

