

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032123\
 Data File : VX034653.D
 Acq On : 21 Mar 2023 14:40
 Operator : JC/MD
 Sample : 02013-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 216

Quant Time: Mar 22 02:04:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

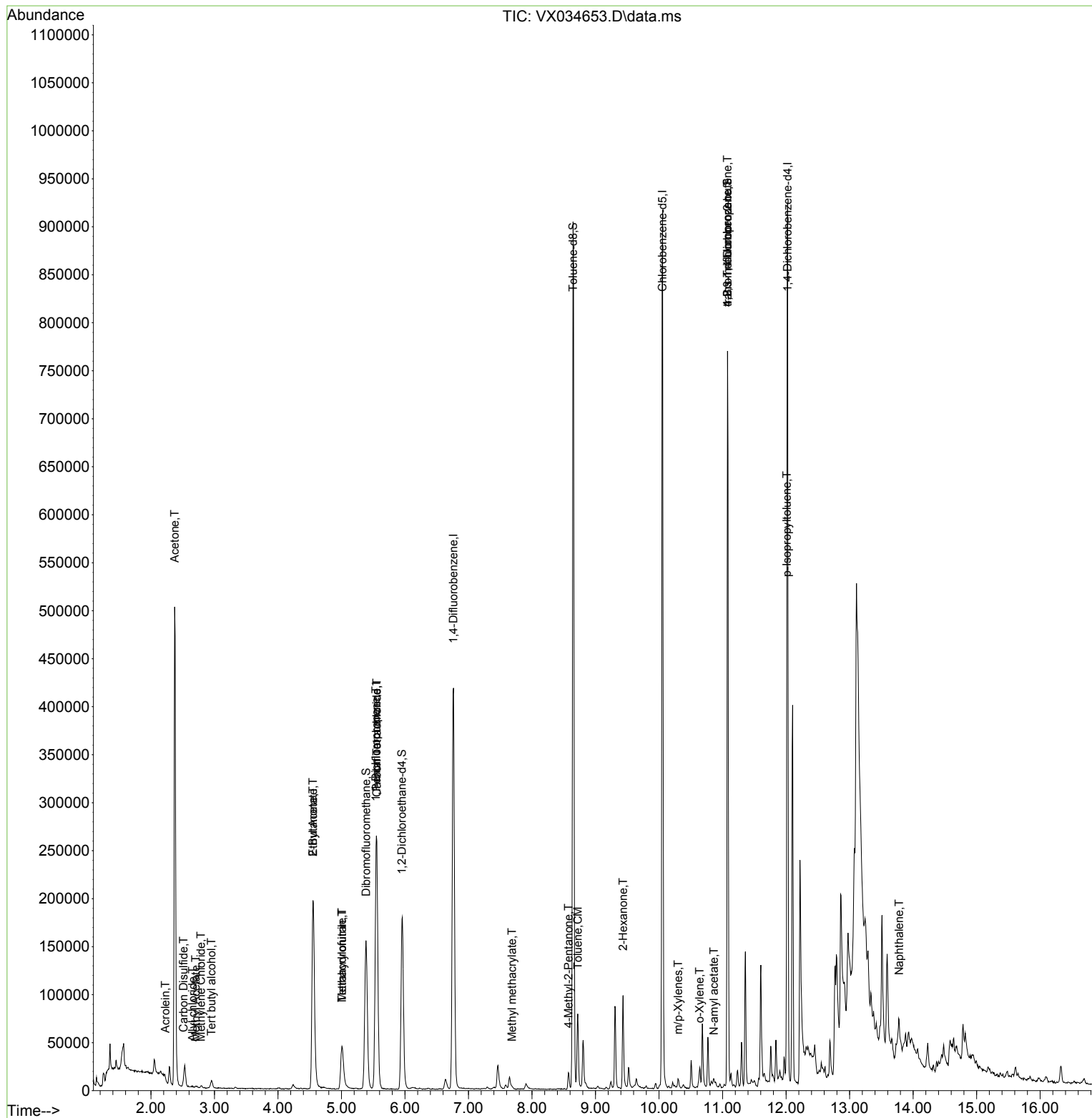
Internal Standards						
1) Pentafluorobenzene	5.550	168	249489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	421557	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	173628	47.837	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.680%		
35) Dibromofluoromethane	5.385	113	132527	47.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.220%		
50) Toluene-d8	8.647	98	524054	50.437	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.880%		
62) 4-Bromofluorobenzene	11.079	95	198693	47.343	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.680%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	830	Below Cal		95
11) Tert butyl alcohol	2.953	59	9165	12.126	ug/l	98
13) Acrolein	2.227	56	2170	3.629	ug/l	86
14) Allyl chloride	2.654	41	1923	0.347	ug/l #	26
16) Acetone	2.374	43	523737	306.332	ug/l	98
17) Carbon Disulfide	2.514	76	6298	0.819	ug/l	99
18) Methyl Acetate	2.703	43	1591	0.285	ug/l #	83
20) Methylene Chloride	2.788	84	1062	0.320	ug/l #	68
25) 2-Butanone	4.550	43	354088	144.741	ug/l	98
29) Tetrahydrofuran	5.007	42	35922	23.797	ug/l	99
36) 1,1-Dichloropropene	5.544	75	21188	4.956	ug/l #	50
37) Ethyl Acetate	4.550	43	354088	75.817	ug/l #	70
38) Carbon Tetrachloride	5.556	117	25905	6.091	ug/l #	15
41) Methacrylonitrile	5.007	41	22363	8.737	ug/l #	46
48) Methyl methacrylate	7.684	41	898	0.236	ug/l #	52
51) 4-Methyl-2-Pentanone	8.574	43	11458	2.496	ug/l	99
52) Toluene	8.720	92	27367	3.535	ug/l	95
59) 2-Hexanone	9.433	43	54008	15.222	ug/l	100
68) m/p-Xylenes	10.299	106	2179	0.373	ug/l	95
69) o-Xylene	10.640	106	3711	0.632	ug/l	98
74) N-amyl acetate	10.866	43	1867	0.278	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	109540	26.329	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	109540	71.228	ug/l #	8
86) p-Isopropyltoluene	12.012	119	13963	1.147	ug/l	97
95) Naphthalene	13.780	128	12325	0.924	ug/l #	94

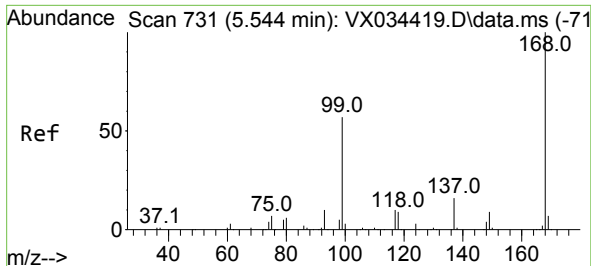
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 13 10:29:32 2023
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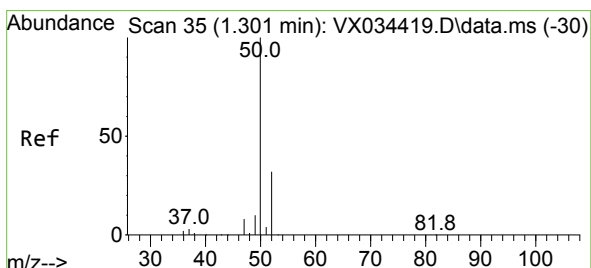
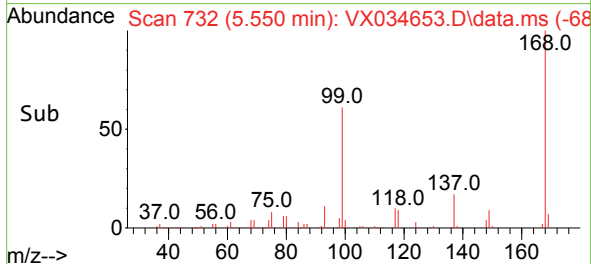
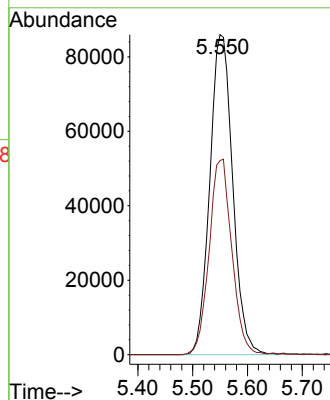
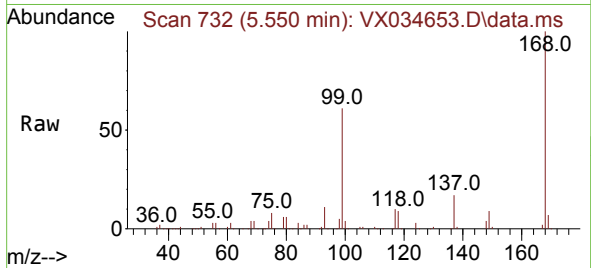




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

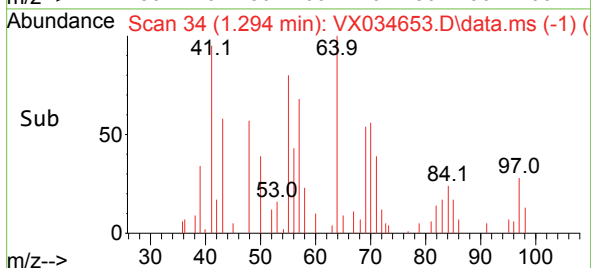
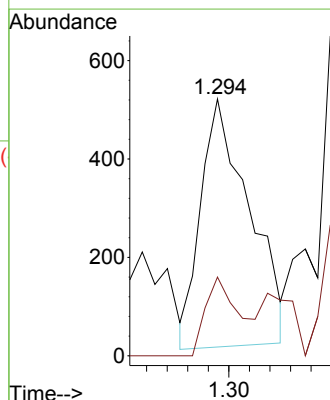
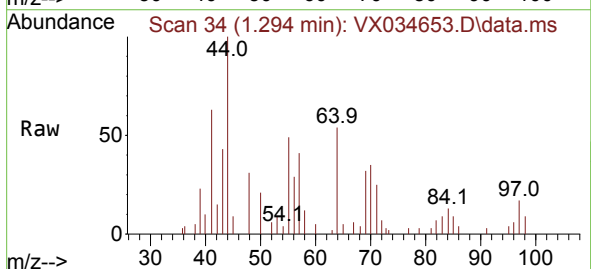
Instrument :
MSVOA_X
ClientSampleId :
216

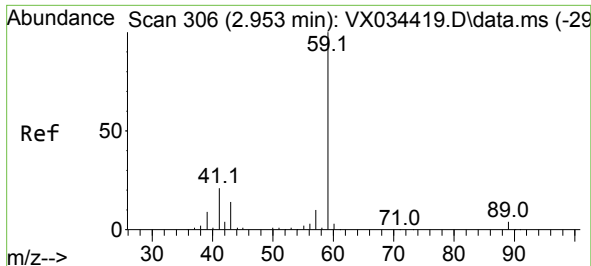
Tgt Ion:168 Resp: 249489
Ion Ratio Lower Upper
168 100
99 60.6 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 50 Resp: 830
Ion Ratio Lower Upper
50 100
52 35.2 25.9 38.9

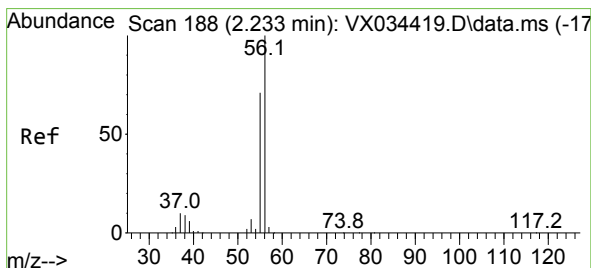
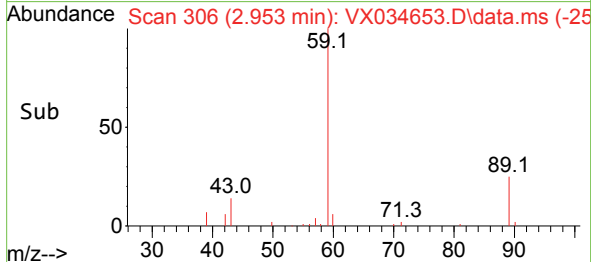
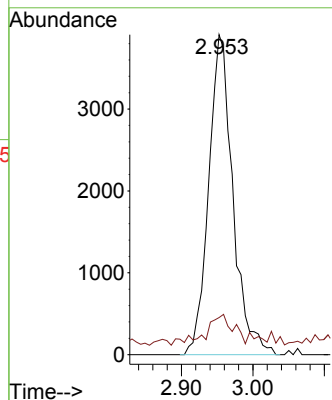
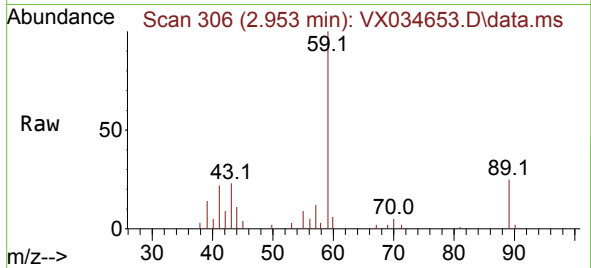




#11
Tert butyl alcohol
Concen: 12.126 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

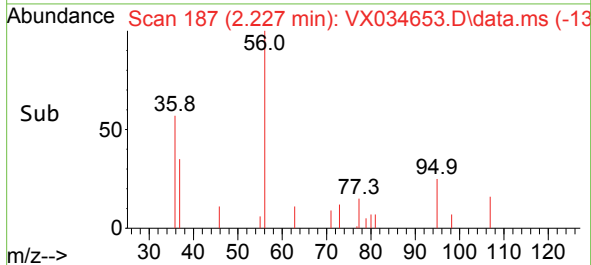
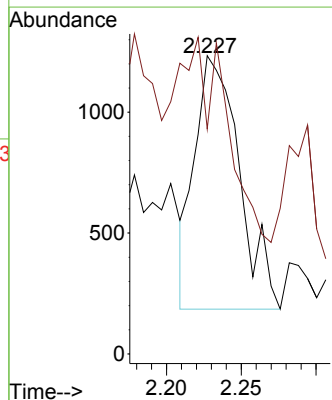
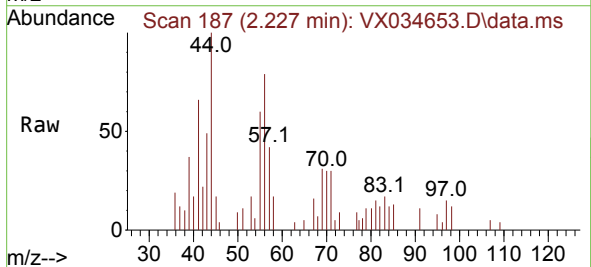
Instrument :
MSVOA_X
ClientSampleId :
216

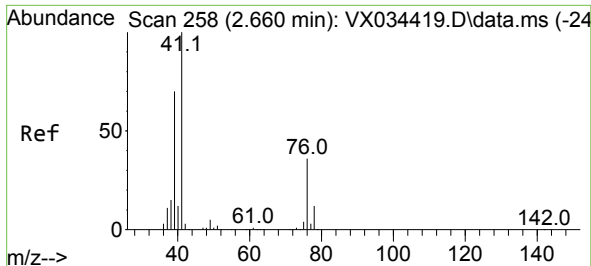
Tgt Ion: 59 Resp: 9165
Ion Ratio Lower Upper
59 100
57 9.4 8.1 12.1



#13
Acrolein
Concen: 3.629 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 56 Resp: 2170
Ion Ratio Lower Upper
56 100
55 82.0 56.6 85.0

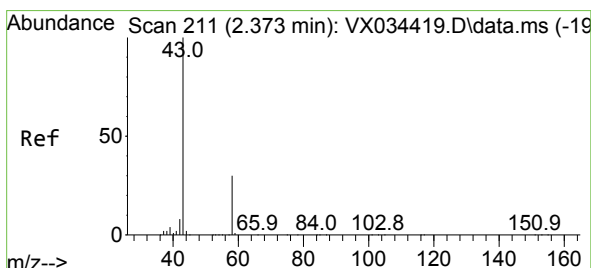
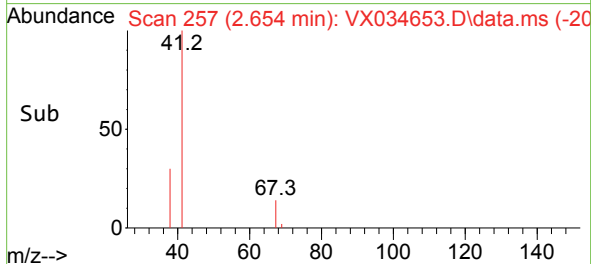
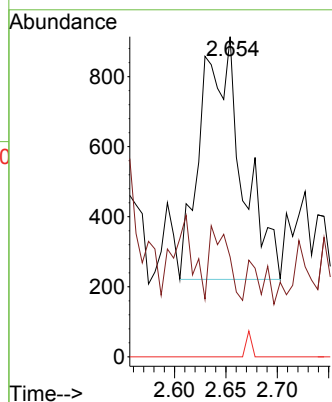
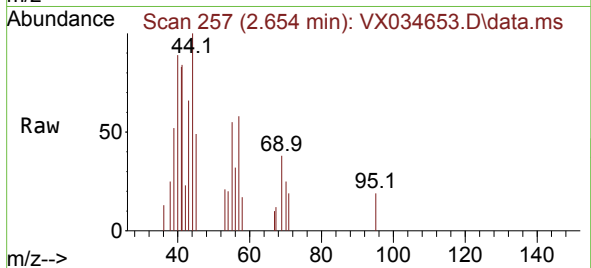




#14
 Allyl chloride
 Concen: 0.347 ug/l
 RT: 2.654 min Scan# 216
 Delta R.T. -0.006 min
 Lab File: VX034653.D
 Acq: 21 Mar 2023 14:40

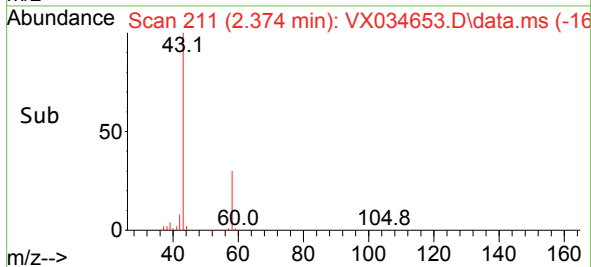
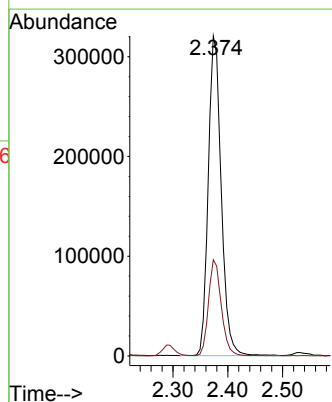
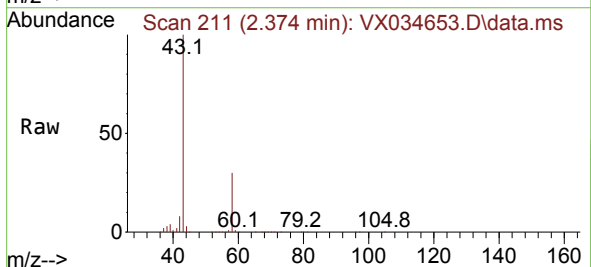
Instrument :
 MSVOA_X
 ClientSampleId :
 216

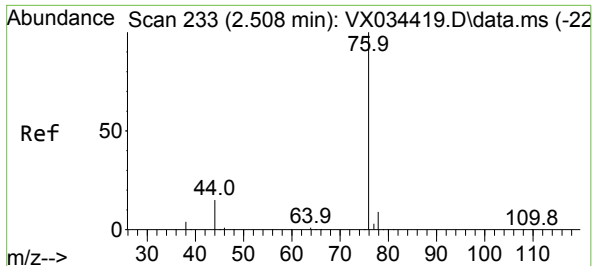
Tgt Ion: 41 Resp: 1923
 Ion Ratio Lower Upper
 41 100
 39 0.0 52.4 78.6#
 76 0.0 26.0 39.0#



#16
 Acetone
 Concen: 306.332 ug/l
 RT: 2.374 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VX034653.D
 Acq: 21 Mar 2023 14:40

Tgt Ion: 43 Resp: 523737
 Ion Ratio Lower Upper
 43 100
 58 30.0 24.7 37.1

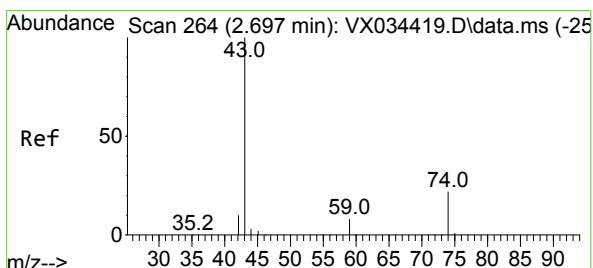
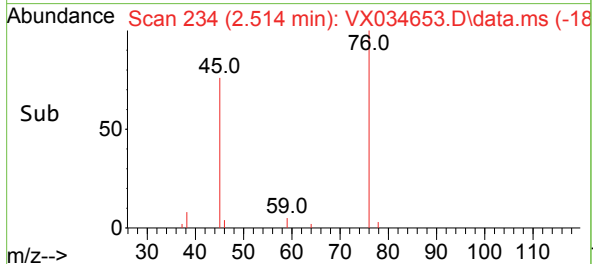
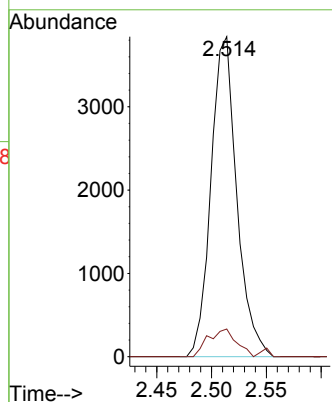
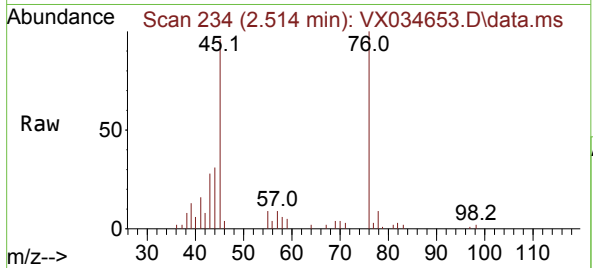




#17
Carbon Disulfide
Concen: 0.819 ug/l
RT: 2.514 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

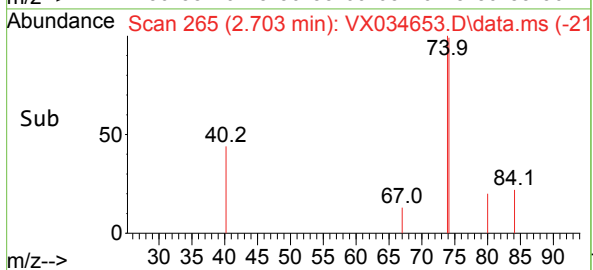
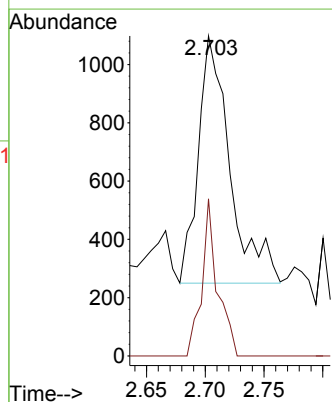
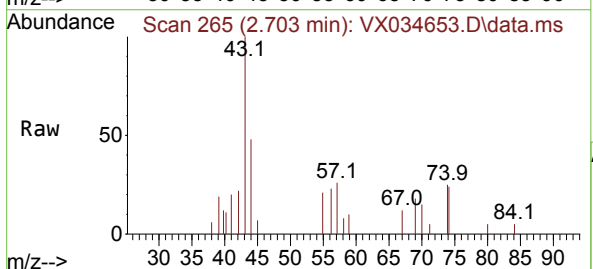
Instrument :
MSVOA_X
ClientSampleId :
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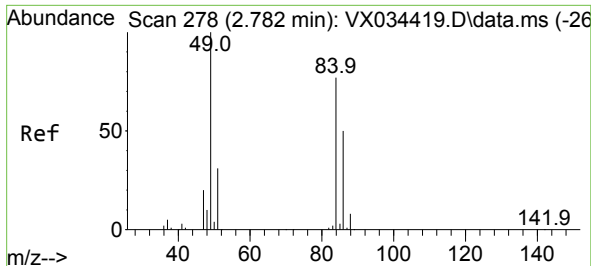
Tgt Ion: 76 Resp: 6298
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 43 Resp: 1591
Ion Ratio Lower Upper
43 100
74 31.2 18.3 27.5#

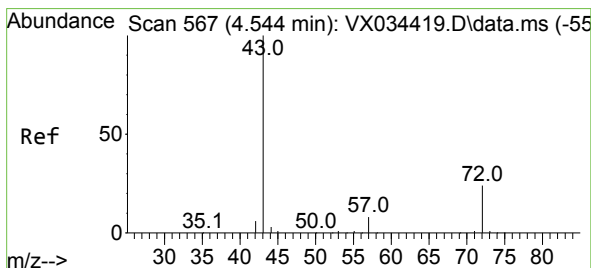
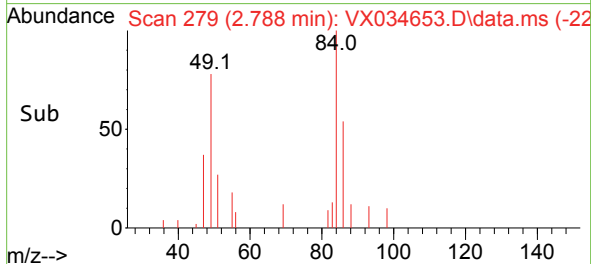
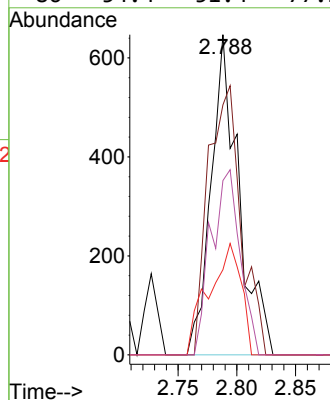
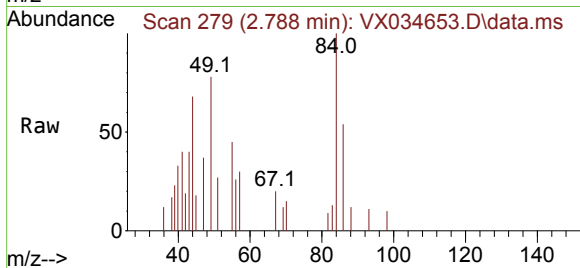




#20
Methylene Chloride
Concen: 0.320 ug/l
RT: 2.788 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

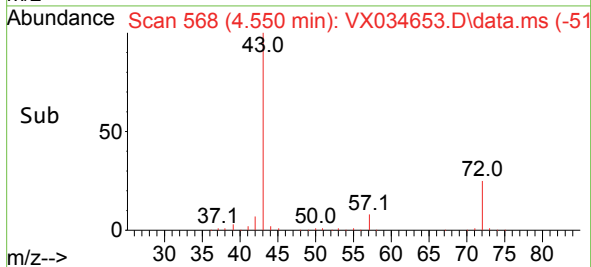
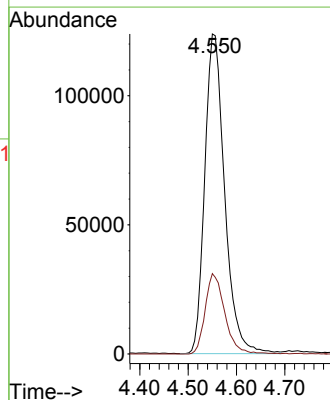
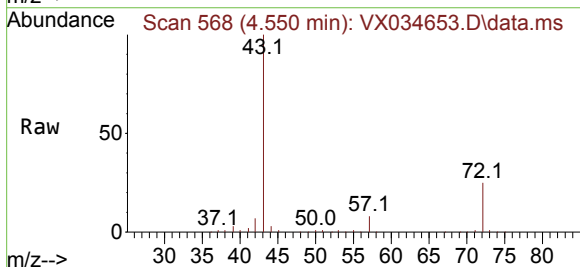
Instrument :
MSVOA_X
ClientSampleId :
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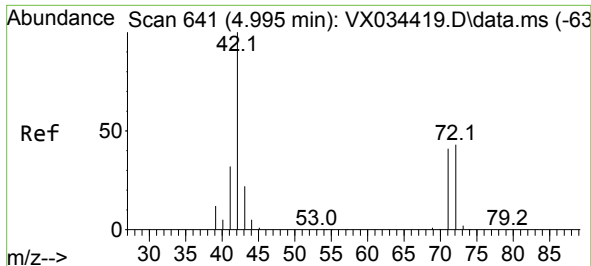
Tgt Ion:	84	Resp:	1062
Ion	Ratio	Lower	Upper
84	100		
49	78.1	103.8	155.8#
51	26.6	31.8	47.8#
86	54.4	51.4	77.2



#25
2-Butanone
Concen: 144.741 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion:	43	Resp:	354088
Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.3	28.9

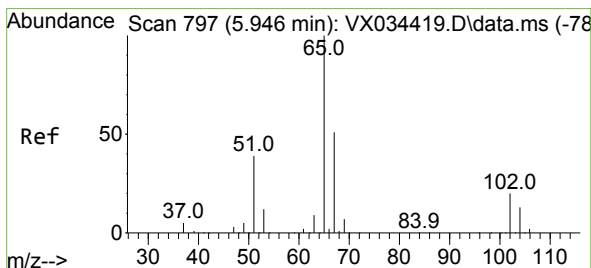
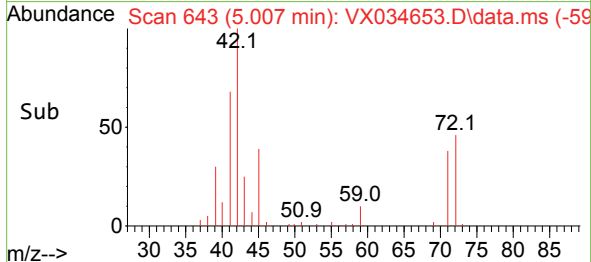
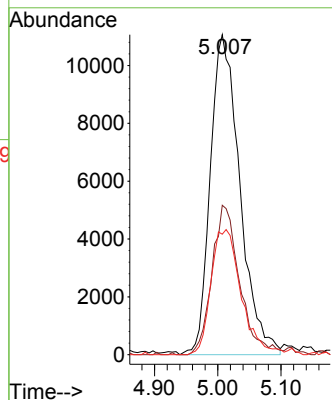
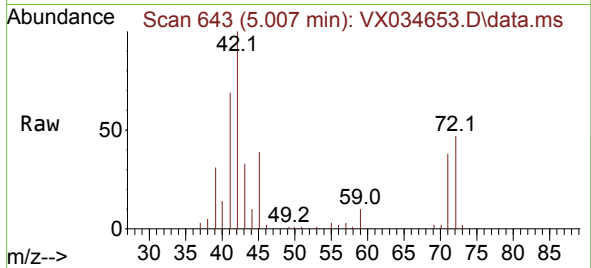




#29
Tetrahydrofuran
Concen: 23.797 ug/l
RT: 5.007 min Scan# 641
Delta R.T. 0.012 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

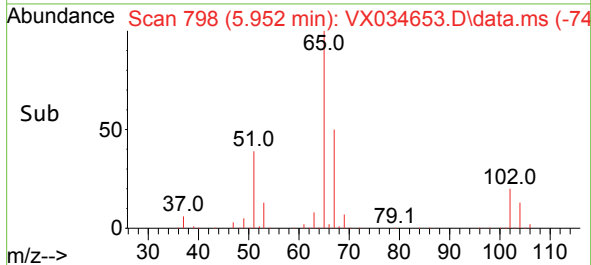
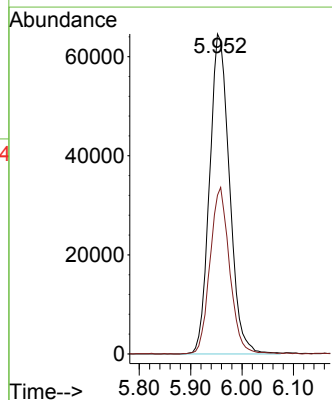
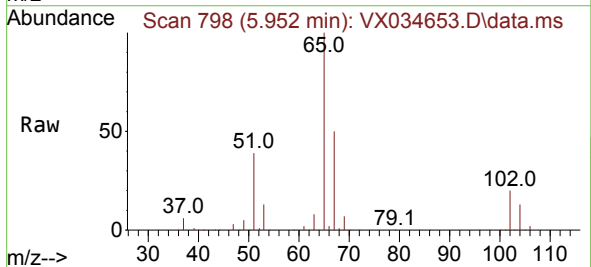
Instrument :
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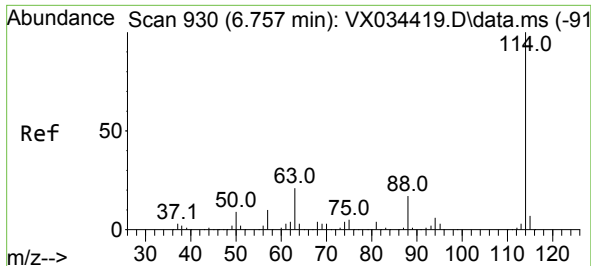
Tgt Ion: 42 Resp: 35922
Ion Ratio Lower Upper
42 100
72 43.7 34.5 51.7
71 39.8 32.1 48.1



#33
1,2-Dichloroethane-d4
Concen: 47.837 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 65 Resp: 173628
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0

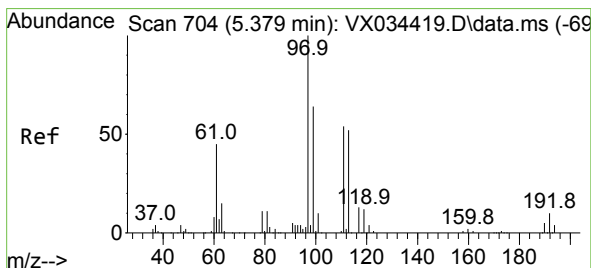
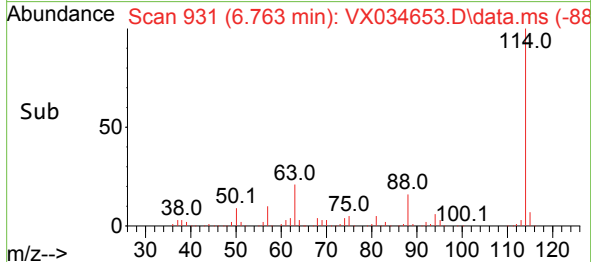
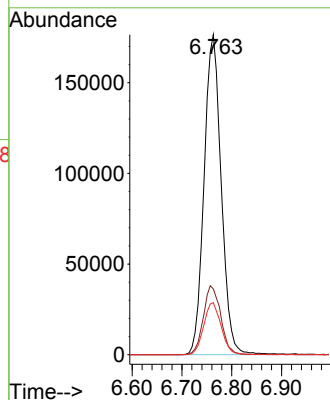
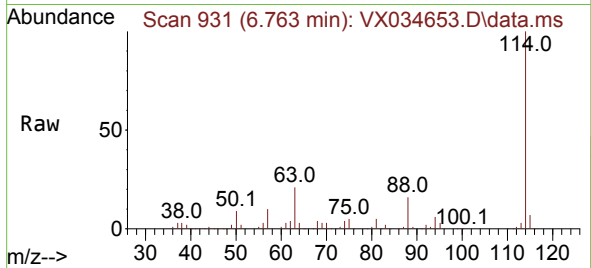




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

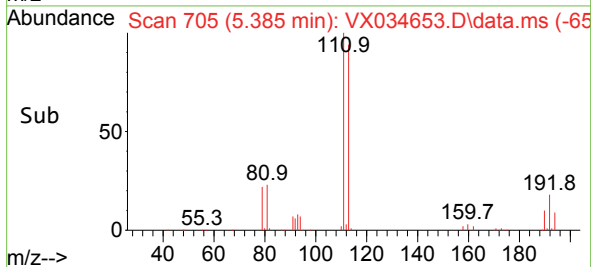
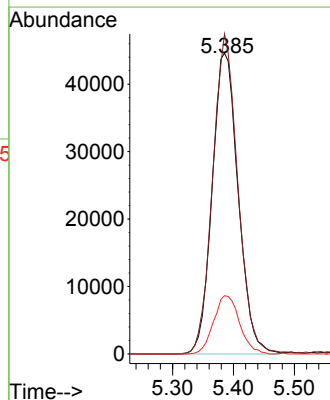
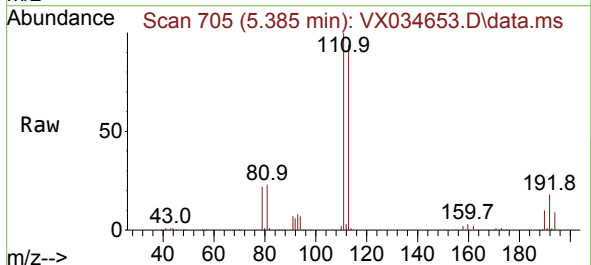
Instrument :
MSVOA_X
ClientSampleId :
216

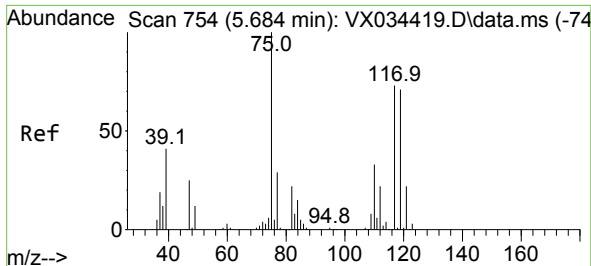
Tgt Ion:114 Resp: 421557
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.2
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.615 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion:113 Resp: 132527
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 19.3 15.4 23.2

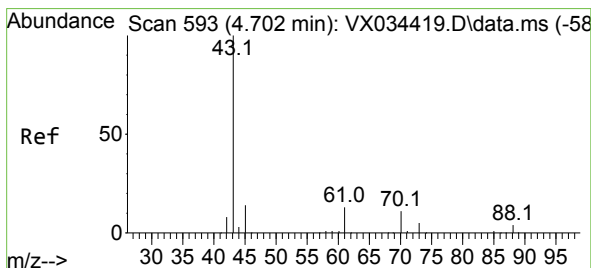
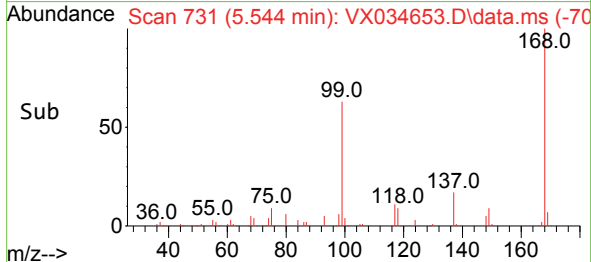
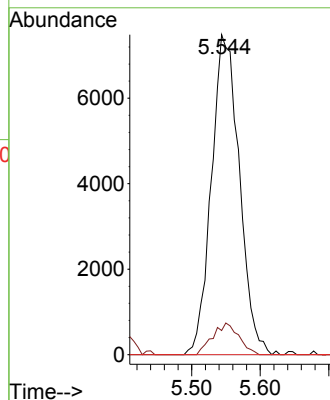
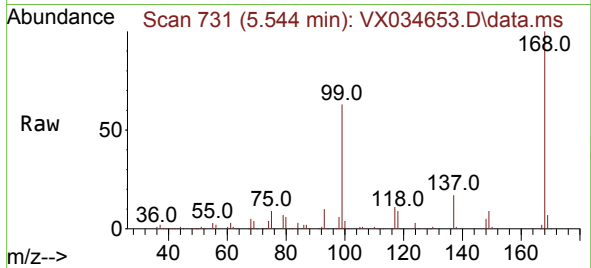




#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

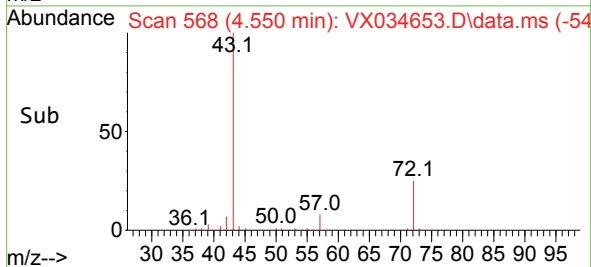
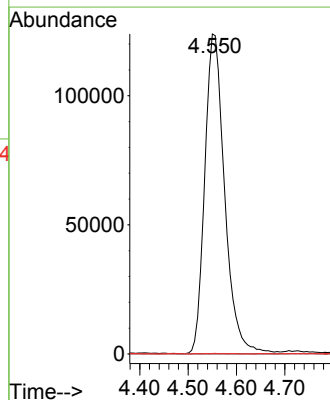
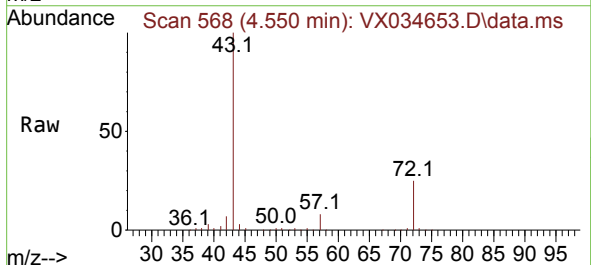
Instrument :
MSVOA_X
ClientSampleId :
216

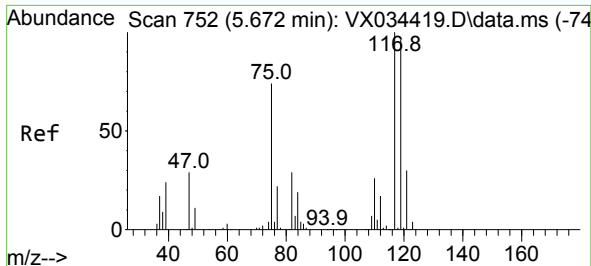
Tgt Ion: 75 Resp: 21188
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 75.817 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.152 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 43 Resp: 354088
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.1 8.2 12.4#

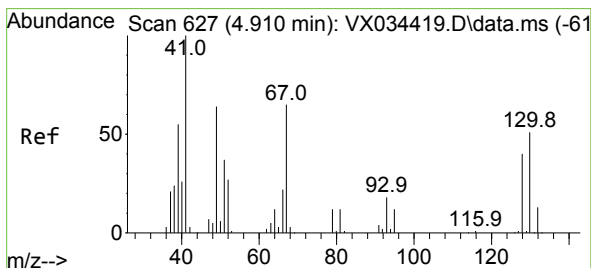
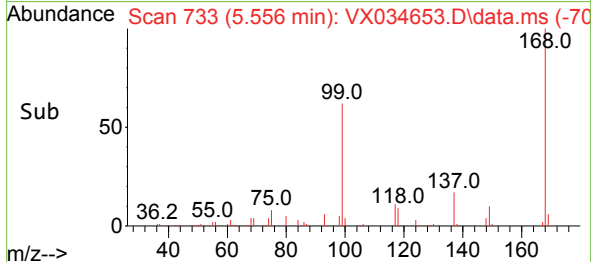
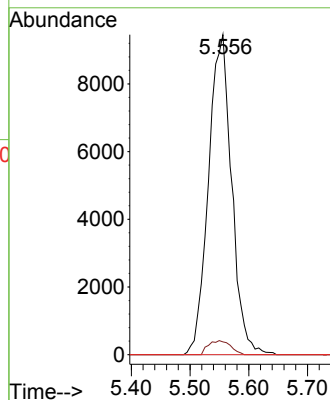
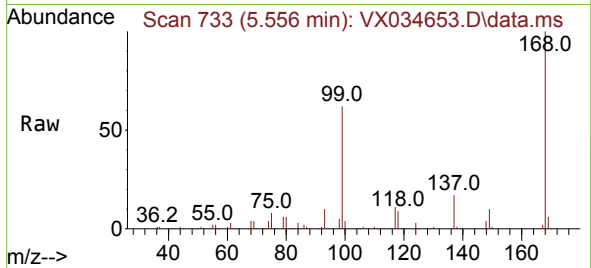




#38
Carbon Tetrachloride
Concen: 6.091 ug/l
RT: 5.556 min Scan# 716
Delta R.T. -0.116 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

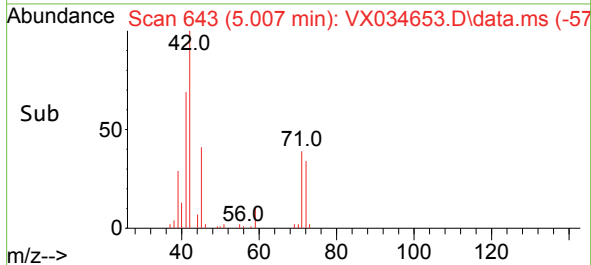
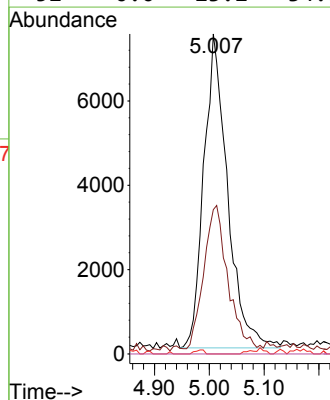
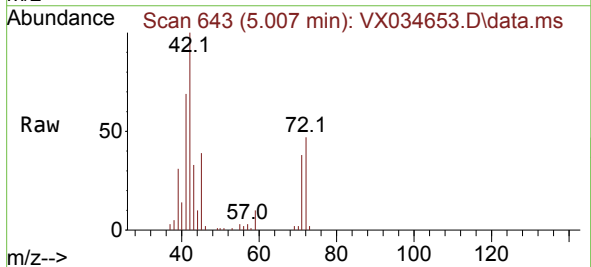
Instrument :
MSVOA_X
ClientSampleId :
216

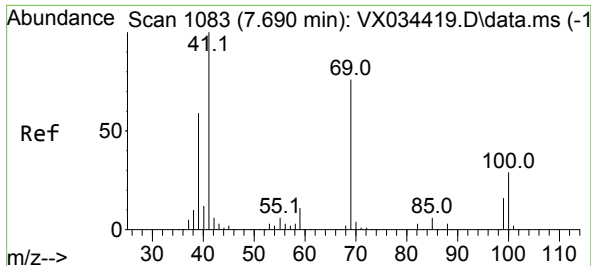
Tgt Ion:117 Resp: 25905
Ion Ratio Lower Upper
117 100
119 4.0 76.6 114.8#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 8.737 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.098 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 41 Resp: 22363
Ion Ratio Lower Upper
41 100
39 45.7 45.0 67.6
67 0.0 55.6 83.4#
52 0.0 23.2 34.8#





#48

Methyl methacrylate

Concen: 0.236 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. -0.006 min

Lab File: VX034653.D

Acq: 21 Mar 2023 14:40

Instrument :

MSVOA_X

ClientSampleId :

216

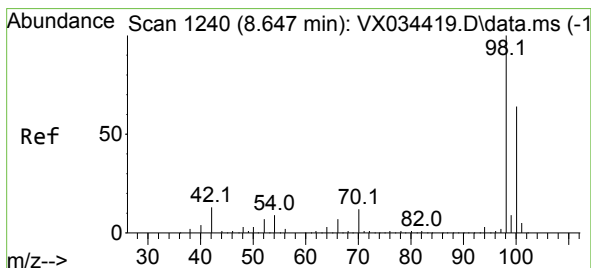
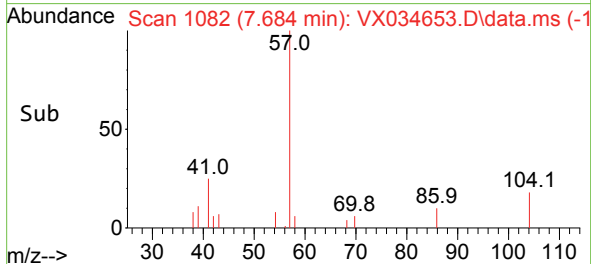
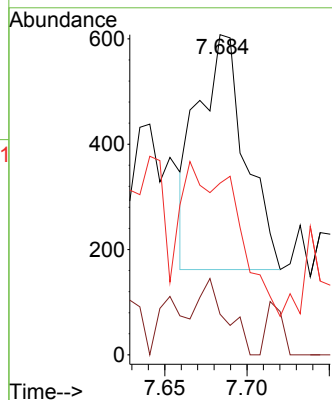
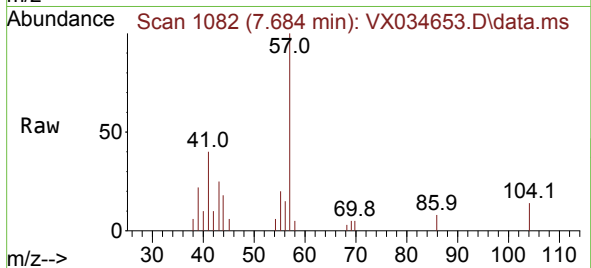
Tgt Ion: 41 Resp: 898

Ion Ratio Lower Upper

41 100

69 18.7 62.2 93.4#

39 76.5 47.7 71.5#



#50

Toluene-d8

Concen: 50.437 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034653.D

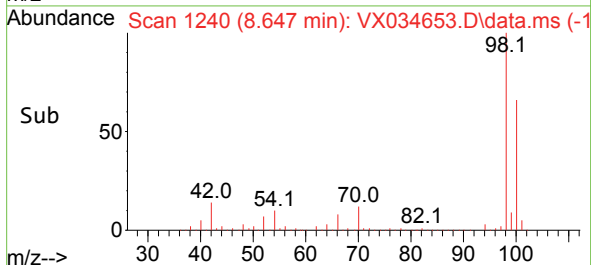
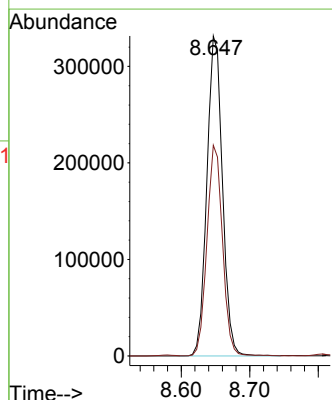
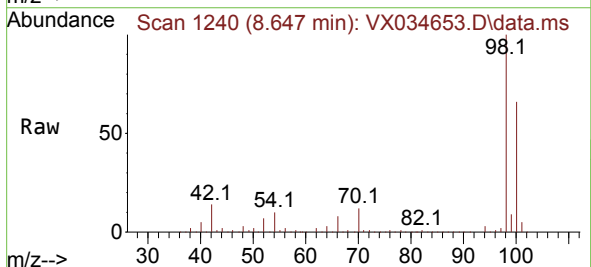
Acq: 21 Mar 2023 14:40

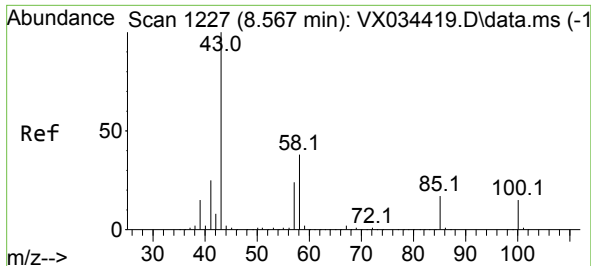
Tgt Ion: 98 Resp: 524054

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7

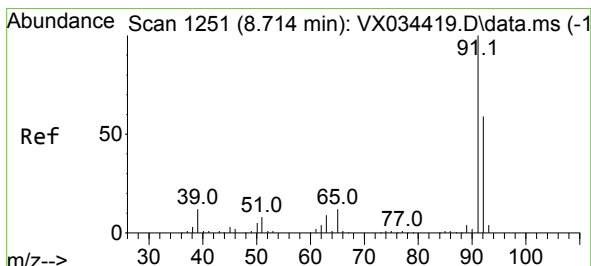
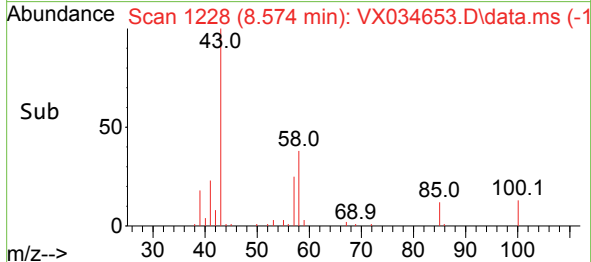
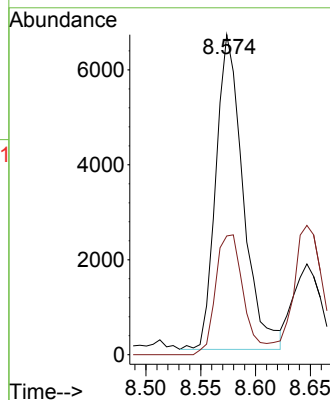
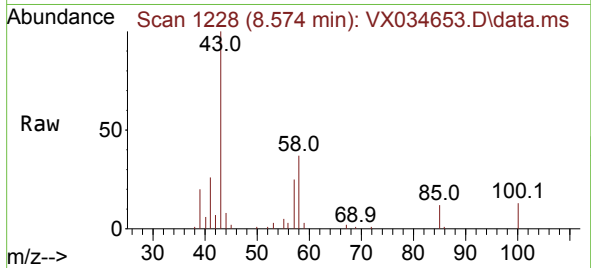




#51
4-Methyl-2-Pentanone
Concen: 2.496 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

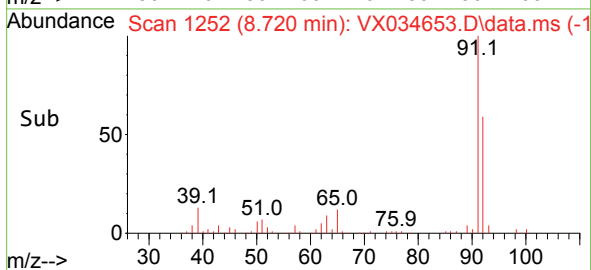
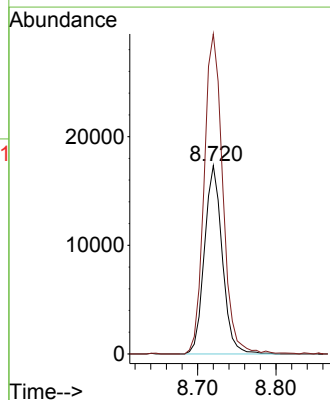
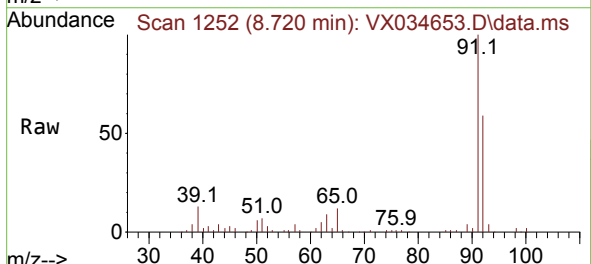
Instrument :
MSVOA_X
ClientSampleId :
216

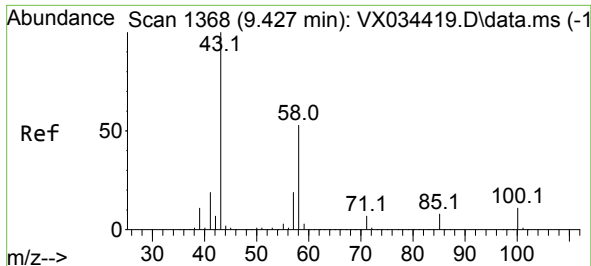
Tgt Ion: 43 Resp: 11458
Ion Ratio Lower Upper
43 100
58 38.9 30.6 46.0



#52
Toluene
Concen: 3.535 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 92 Resp: 27367
Ion Ratio Lower Upper
92 100
91 177.7 136.8 205.2

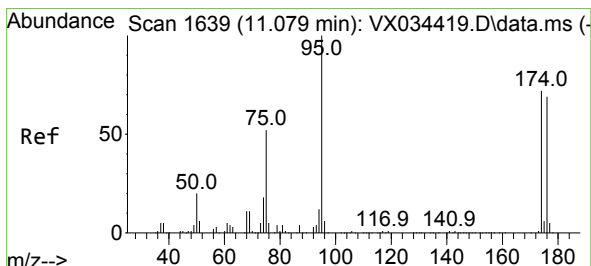
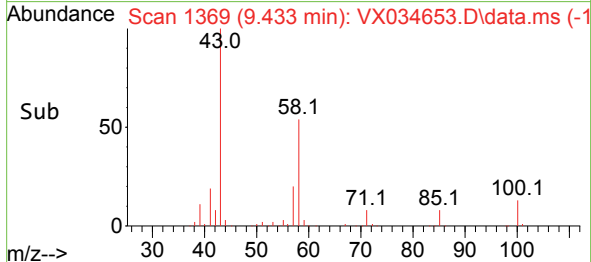
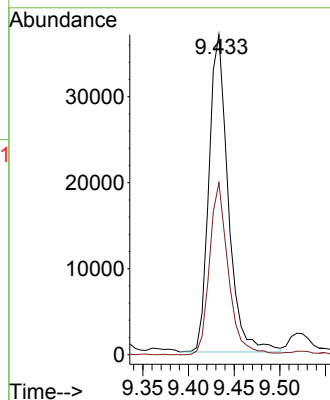
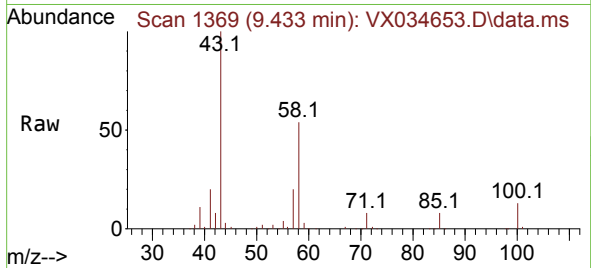




#59
2-Hexanone
Concen: 15.222 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

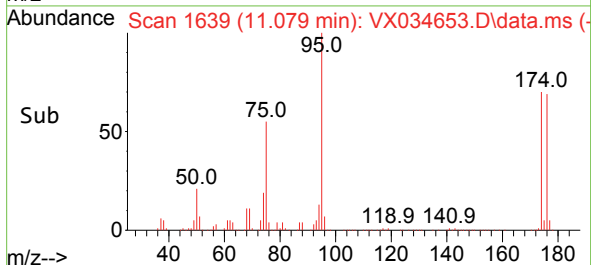
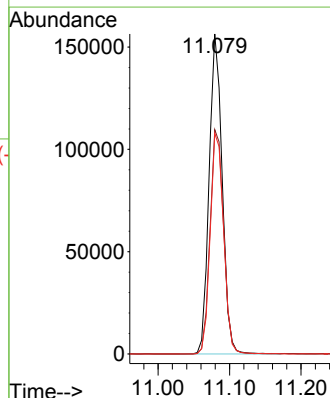
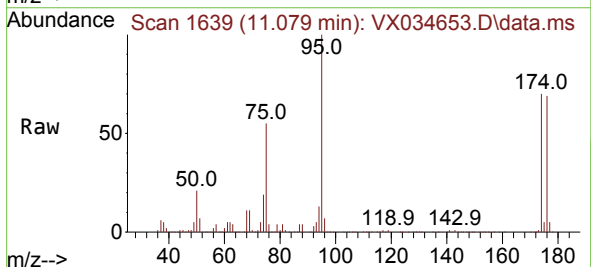
Instrument :
MSVOA_X
ClientSampleId :
216

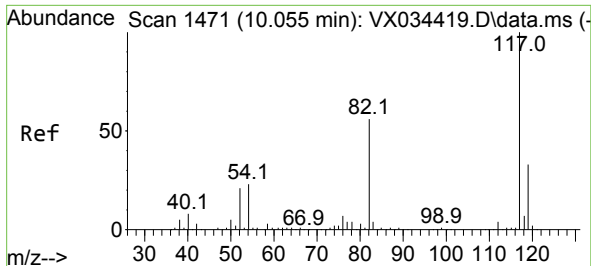
Tgt Ion: 43 Resp: 54008
Ion Ratio Lower Upper
43 100
58 52.8 26.3 78.9



#62
4-Bromofluorobenzene
Concen: 47.343 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 95 Resp: 198693
Ion Ratio Lower Upper
95 100
174 72.8 0.0 147.4
176 70.7 0.0 140.6

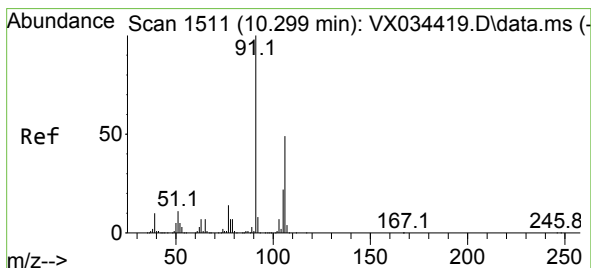
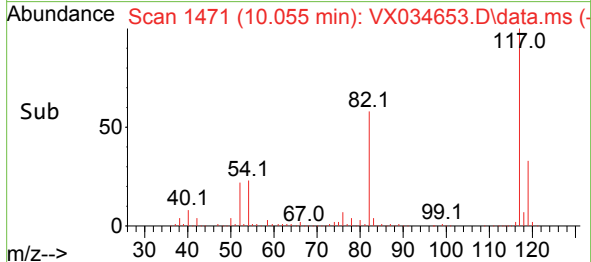
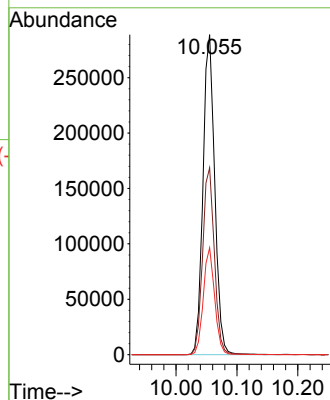
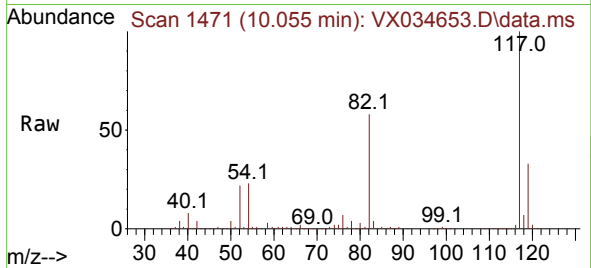




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

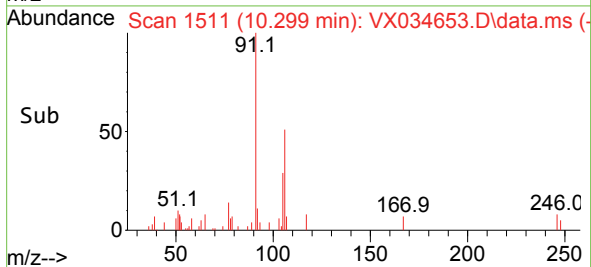
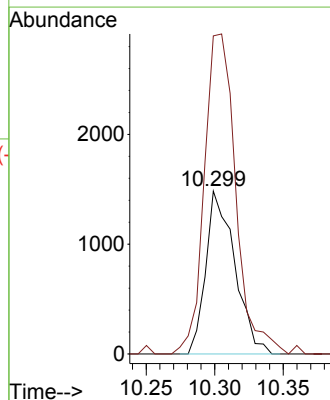
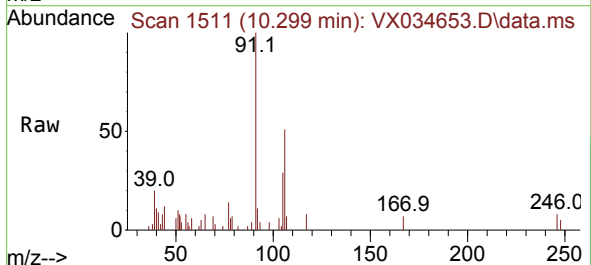
Instrument :
MSVOA_X
ClientSampleId :
216

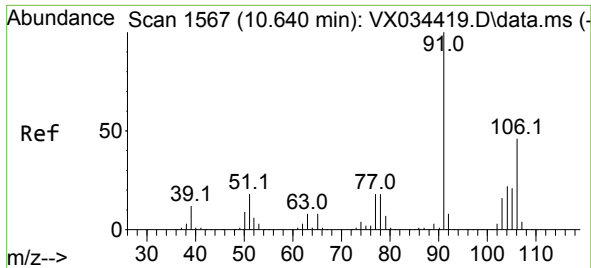
Tgt Ion:117 Resp: 387540
Ion Ratio Lower Upper
117 100
82 58.4 45.0 67.4
119 33.4 26.0 39.0



#68
m/p-Xylenes
Concen: 0.373 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion:106 Resp: 2179
Ion Ratio Lower Upper
106 100
91 213.4 164.0 246.0

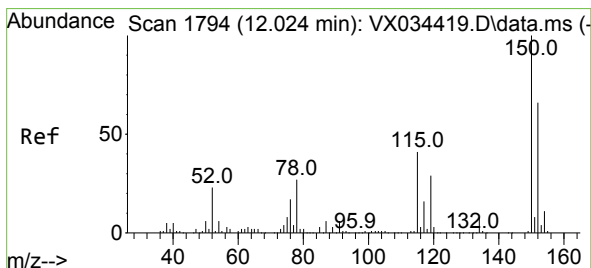
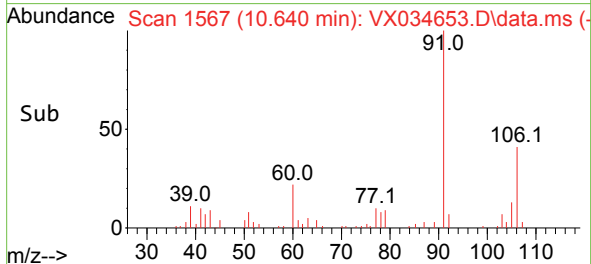
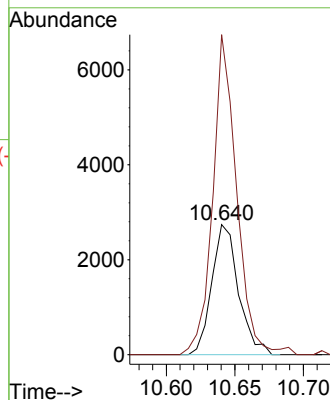
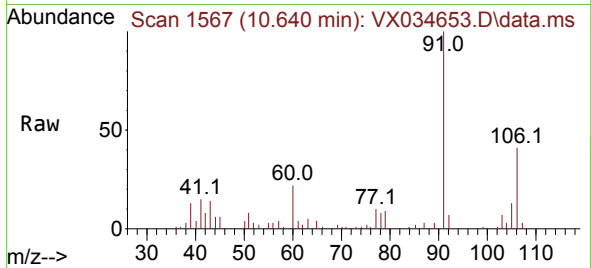




#69
o-Xylene
Concen: 0.632 ug/l
RT: 10.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

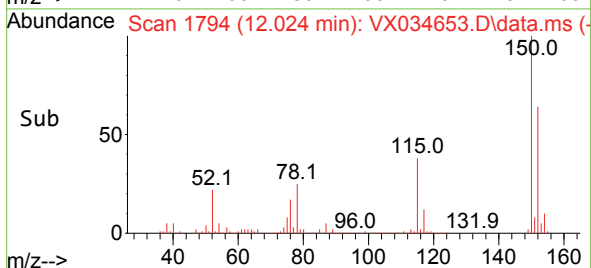
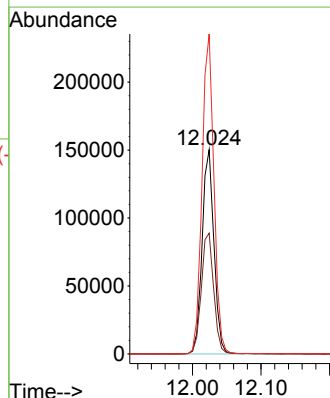
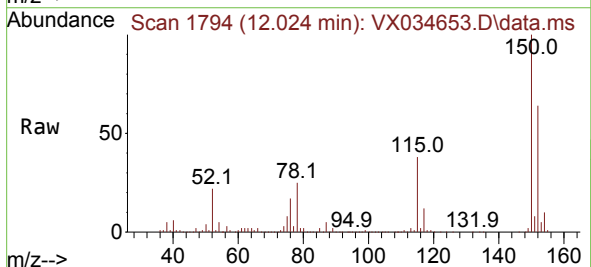
Instrument :
MSVOA_X
ClientSampleId :
216

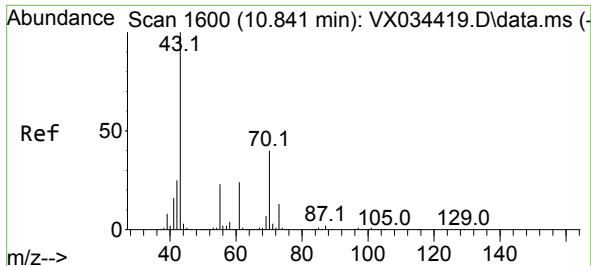
Tgt Ion:106 Resp: 3711
Ion Ratio Lower Upper
106 100
91 220.1 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion:152 Resp: 181194
Ion Ratio Lower Upper
152 100
115 61.8 45.0 135.0
150 157.1 0.0 352.4

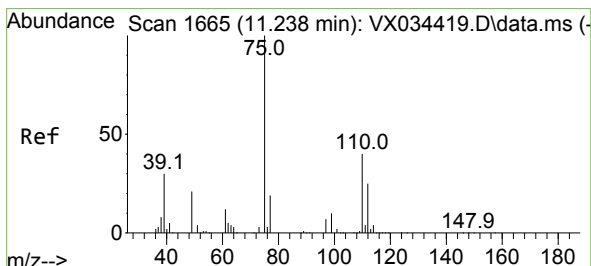
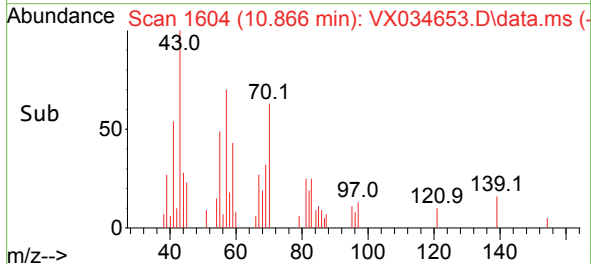
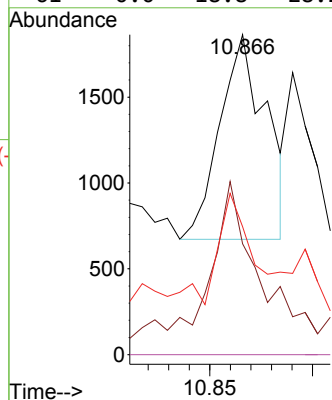
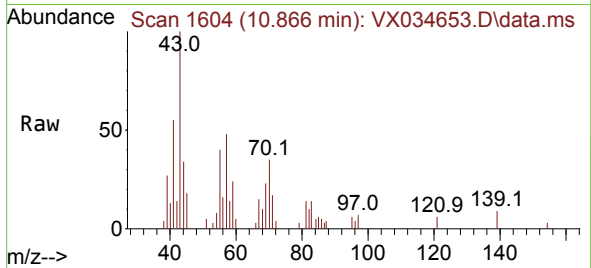




#74
N-amy1 acetate
Concen: 0.278 ug/l
RT: 10.866 min Scan# 1604
Delta R.T. 0.024 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

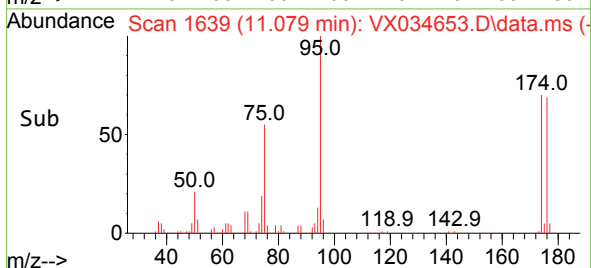
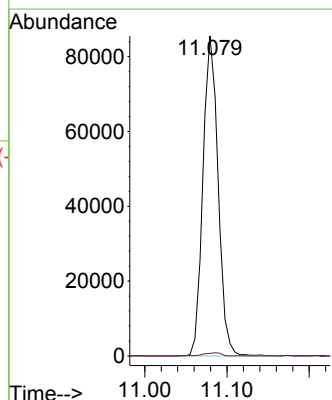
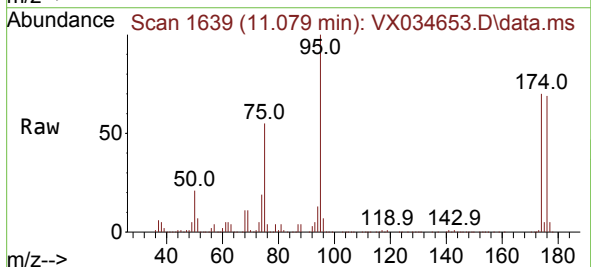
Instrument :
MSVOA_X
ClientSampleId :
216

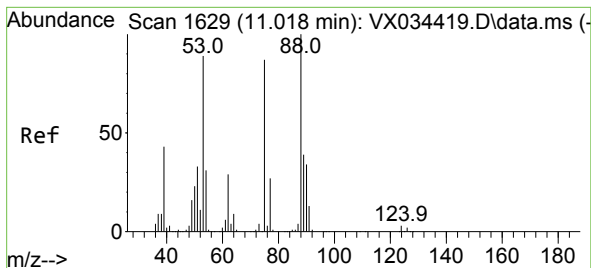
Tgt Ion: 43 Resp: 1867
Ion Ratio Lower Upper
43 100
70 85.3 32.1 48.1#
55 28.5 18.3 27.5#
61 0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 26.329 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 75 Resp: 109540
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#

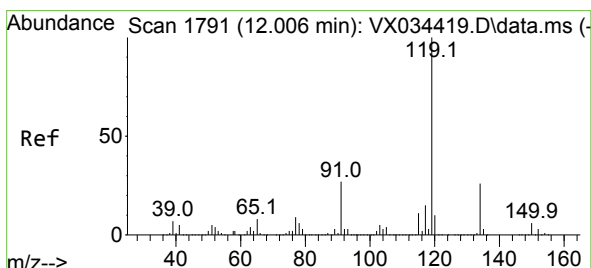
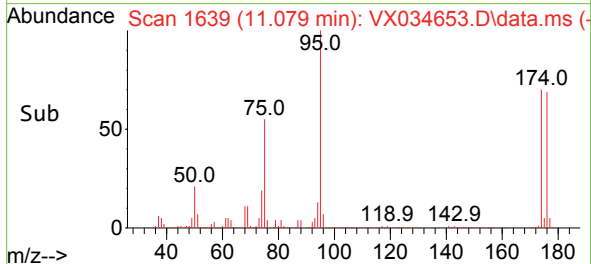
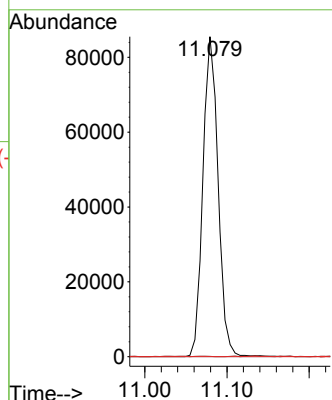
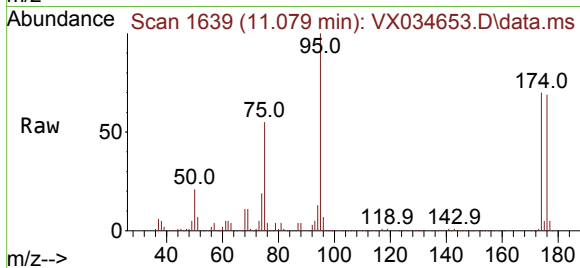




#81
trans-1,4-Dichloro-2-butene
Concen: 71.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

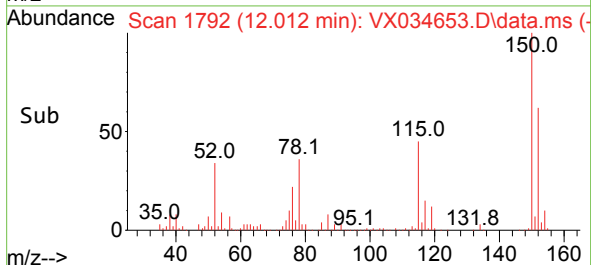
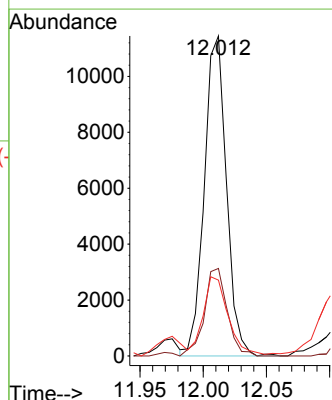
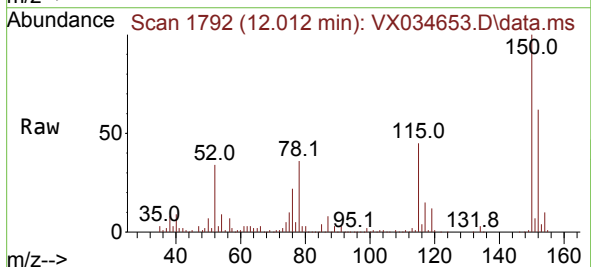
Instrument :
MSVOA_X
ClientSampleId :
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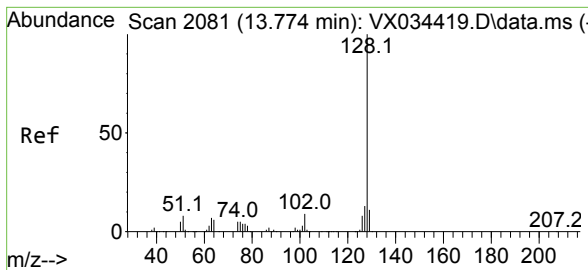
Tgt Ion: 75 Resp: 109540
Ion Ratio Lower Upper
75 100
53 0.1 82.6 124.0#
89 0.0 36.9 55.3#



#86
p-Isopropyltoluene
Concen: 1.147 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Tgt Ion: 119 Resp: 13963
Ion Ratio Lower Upper
119 100
134 28.2 13.2 39.5
91 26.8 12.9 38.7





#95
Naphthalene
Concen: 0.924 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034653.D
Acq: 21 Mar 2023 14:40

Instrument :
MSVOA_X
ClientSampleId :
216

Tgt Ion:	128	Resp:	12325
Ion Ratio	Lower	Upper	
128	100		
127	14.9	10.2	15.4
129	13.3	8.6	13.0#

