

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034568.D
 Acq On : 17 Mar 2023 06:48
 Operator : JC/MD
 Sample : 01907-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33957

Quant Time: Mar 17 07:55:12 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)

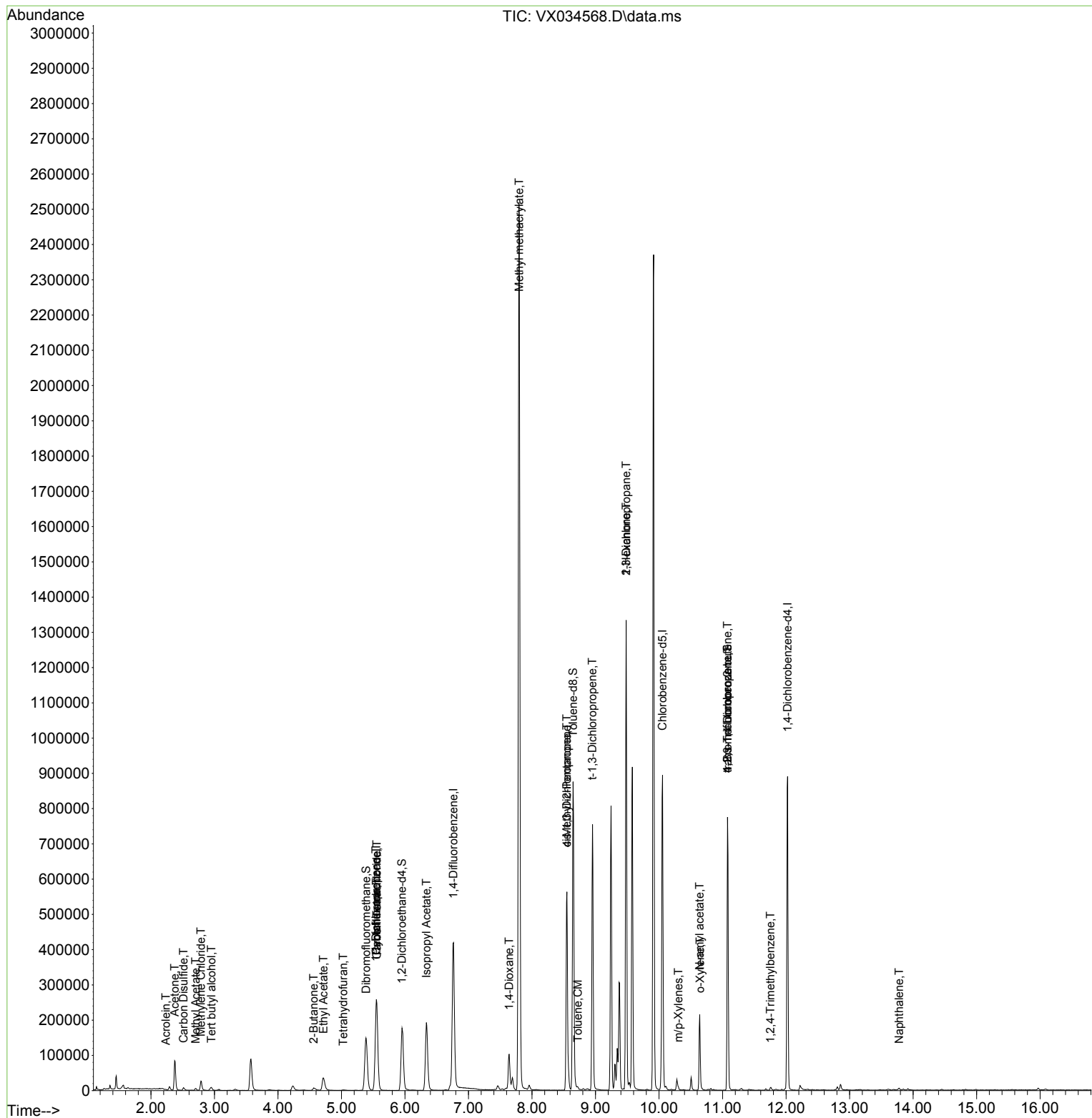
Internal Standards						
1) Pentafluorobenzene	5.550	168	237675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	412392	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	376031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	168907	48.850	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.700%		
35) Dibromofluoromethane	5.385	113	129972	47.735	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.460%		
50) Toluene-d8	8.647	98	504392	49.623	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.240%		
62) 4-Bromofluorobenzene	11.079	95	198128	48.257	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.520%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	305	Below Cal	#	76
11) Tert butyl alcohol	2.953	59	6734	9.352	ug/l #	91
13) Acrolein	2.233	56	1048	1.840	ug/l	96
16) Acetone	2.373	43	89638	55.035	ug/l	98
17) Carbon Disulfide	2.514	76	7789	1.064	ug/l	96
18) Methyl Acetate	2.703	43	6545	1.230	ug/l	100
20) Methylene Chloride	2.788	84	11651	3.686	ug/l	95
25) 2-Butanone	4.562	43	11179	4.797	ug/l	93
29) Tetrahydrofuran	5.025	42	1287	0.895	ug/l #	47
31) Cyclohexane	5.550	56	6005	1.238	ug/l #	10
36) 1,1-Dichloropropene	5.544	75	19813	4.738	ug/l #	49
37) Ethyl Acetate	4.714	43	65498	14.336	ug/l	98
38) Carbon Tetrachloride	5.556	117	24539	5.898	ug/l #	15
43) Isopropyl Acetate	6.336	43	267588	34.573	ug/l	99
48) Methyl methacrylate	7.799	41	228102	61.277	ug/l #	47
49) 1,4-Dioxane	7.641	88	61	0.780	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	215213	47.932	ug/l #	53
52) Toluene	8.720	92	2139	0.282	ug/l	98
53) t-1,3-Dichloropropene	8.952	75	1544	0.326	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	86459	16.877	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	10739	2.010	ug/l #	42
59) 2-Hexanone	9.482	43	158558	45.683	ug/l #	53
68) m/p-Xylenes	10.305	106	1545	0.272	ug/l	88
69) o-Xylene	10.646	106	1392	0.244	ug/l	63
74) N-amyl acetate	10.640	43	59097	9.041	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	108710	26.813	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	108710	72.536	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	3176	0.271	ug/l #	46
95) Naphthalene	13.780	128	3393	0.261	ug/l #	94

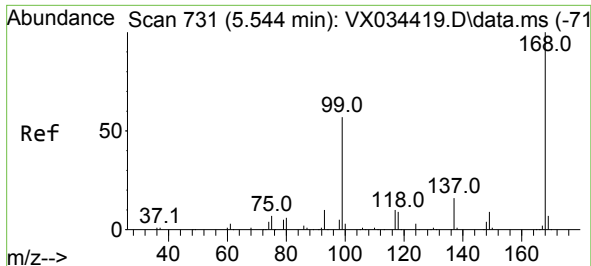
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

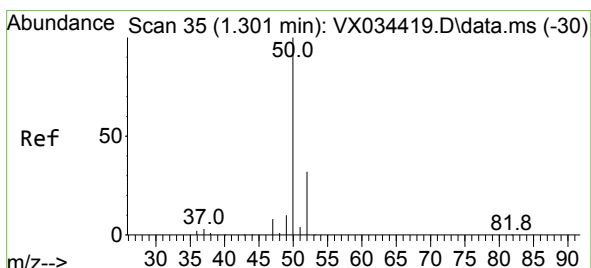
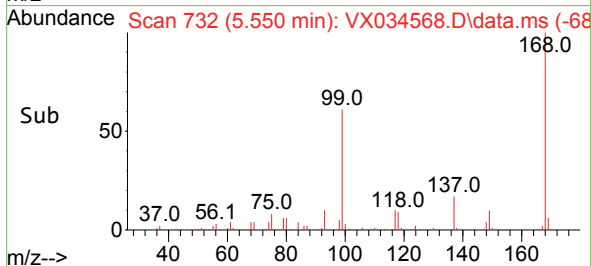
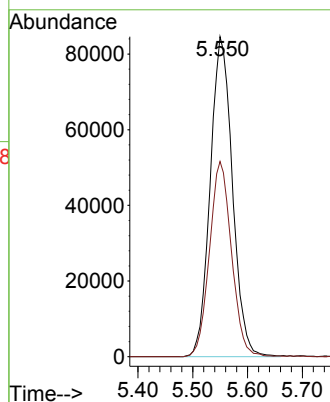
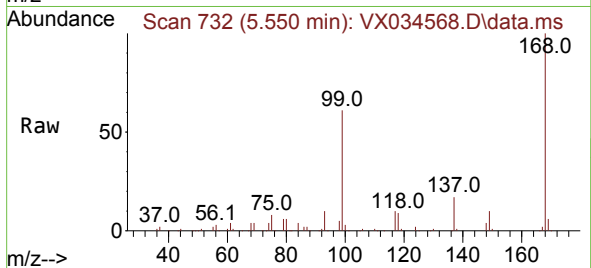




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

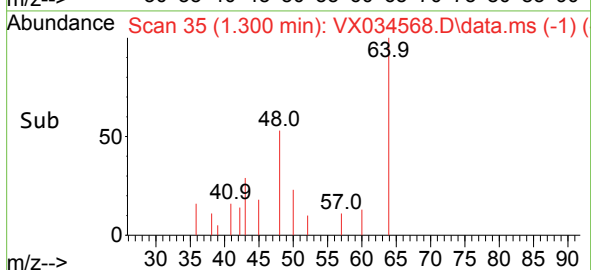
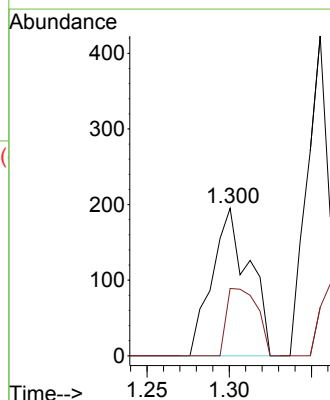
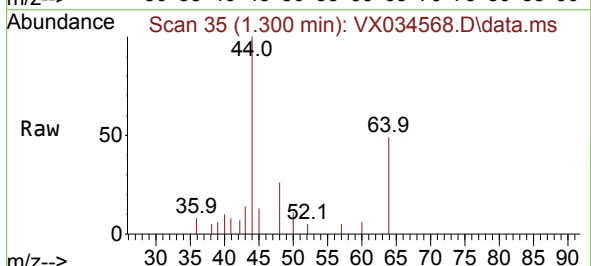
Instrument :
MSVOA_X
ClientSampleId :
33957

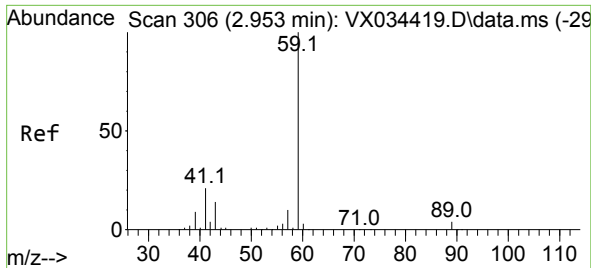
Tgt Ion:168 Resp: 237675
Ion Ratio Lower Upper
168 100
99 61.0 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion: 50 Resp: 305
Ion Ratio Lower Upper
50 100
52 45.6 25.9 38.9#

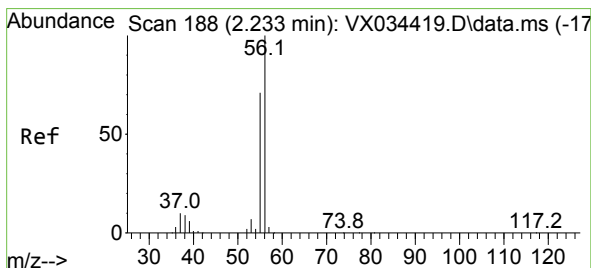
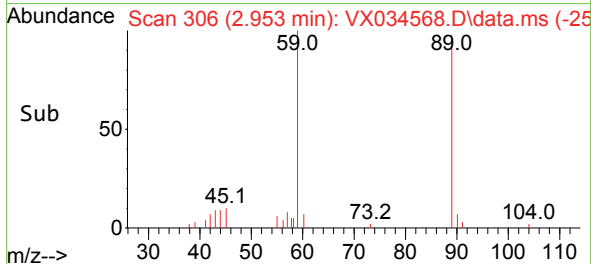
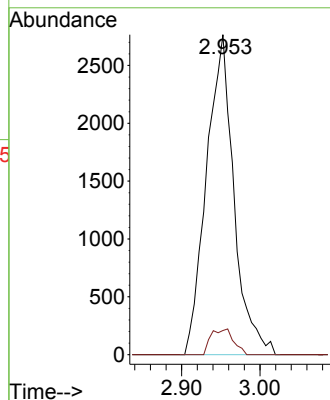
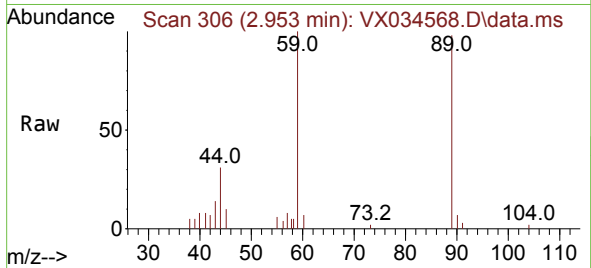




#11
Tert butyl alcohol
Concen: 9.352 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

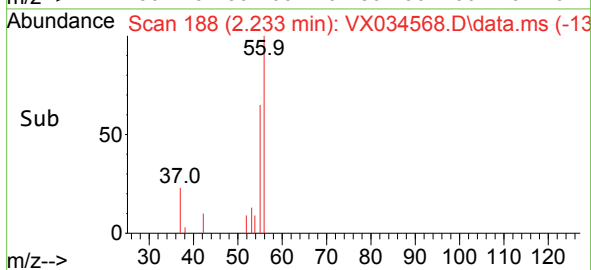
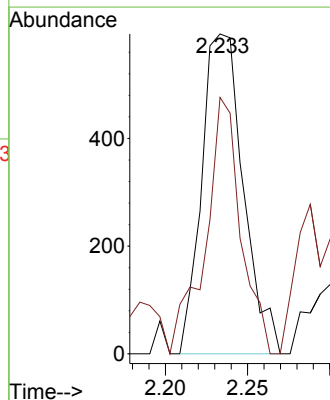
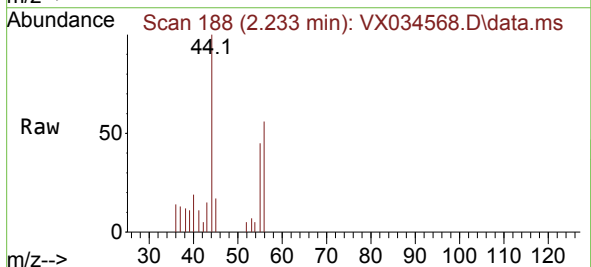
Instrument :
MSVOA_X
ClientSampleId :
33957

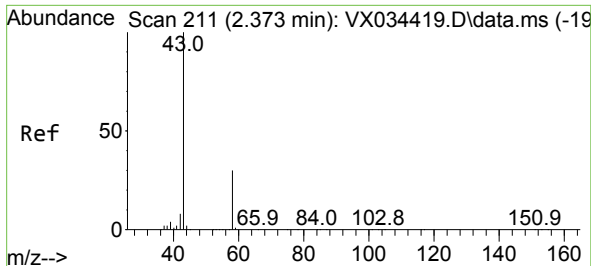
Tgt Ion: 59 Resp: 6734
Ion Ratio Lower Upper
59 100
57 6.6 8.1 12.1#



#13
Acrolein
Concen: 1.840 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion: 56 Resp: 1048
Ion Ratio Lower Upper
56 100
55 67.8 56.6 85.0





#16

Acetone

Concen: 55.035 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX034568.D

Acq: 17 Mar 2023 06:48

Instrument :

MSVOA_X

ClientSampleId :

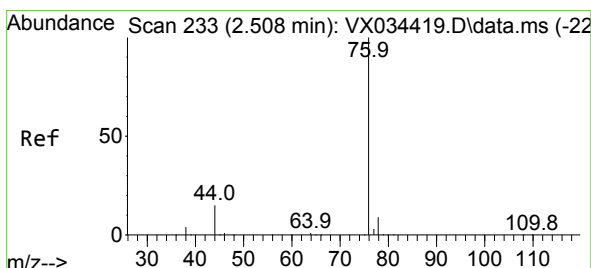
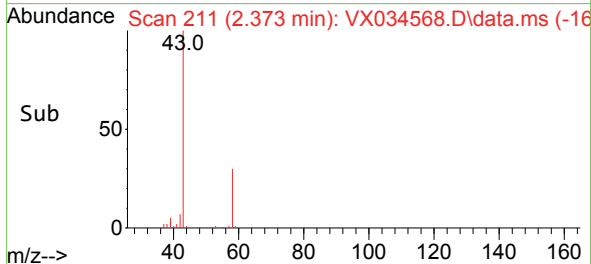
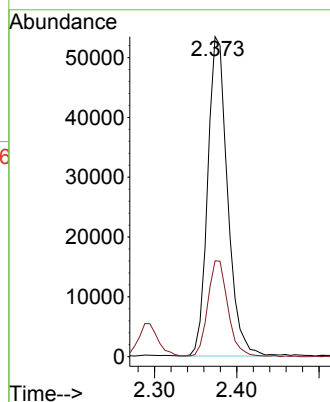
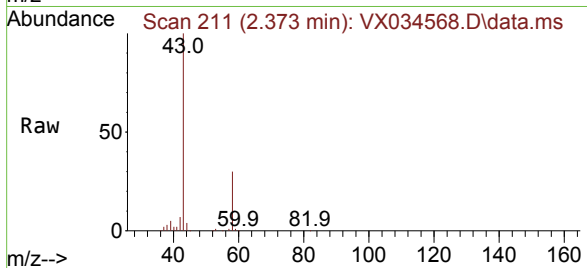
33957

Tgt Ion: 43 Resp: 89638

Ion Ratio Lower Upper

43 100

58 30.0 24.7 37.1



#17

Carbon Disulfide

Concen: 1.064 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.006 min

Lab File: VX034568.D

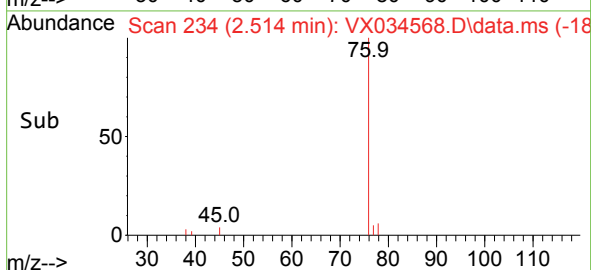
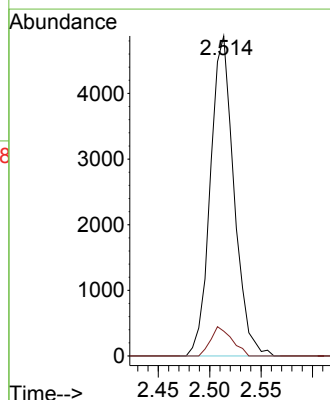
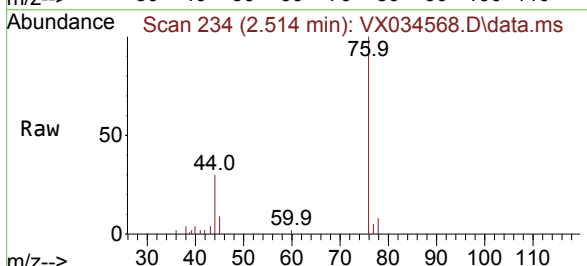
Acq: 17 Mar 2023 06:48

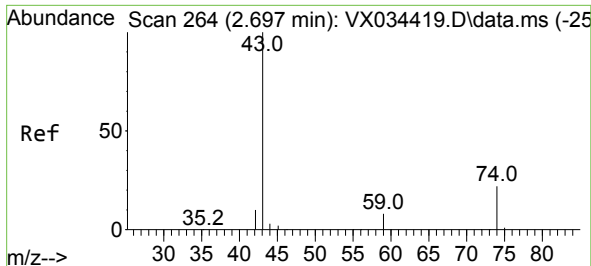
Tgt Ion: 76 Resp: 7789

Ion Ratio Lower Upper

76 100

78 7.7 7.2 10.8





#18

Methyl Acetate

Concen: 1.230 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX034568.D

Acq: 17 Mar 2023 06:48

Instrument :

MSVOA_X

ClientSampleId :

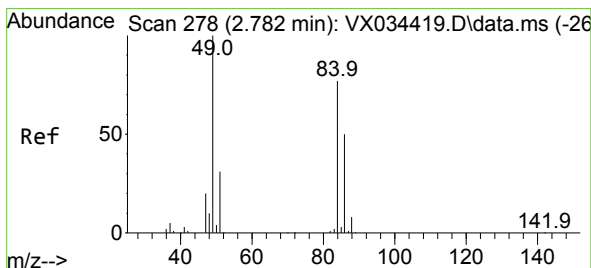
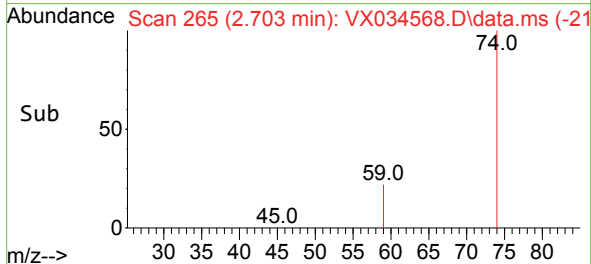
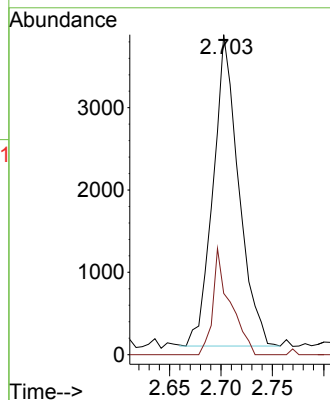
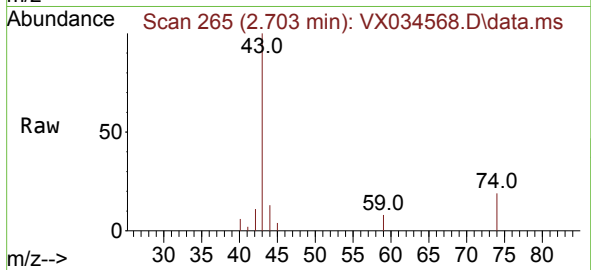
33957

Tgt Ion: 43 Resp: 6545

Ion Ratio Lower Upper

43 100

74 23.0 18.3 27.5



#20

Methylene Chloride

Concen: 3.686 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX034568.D

Acq: 17 Mar 2023 06:48

Tgt Ion: 84 Resp: 11651

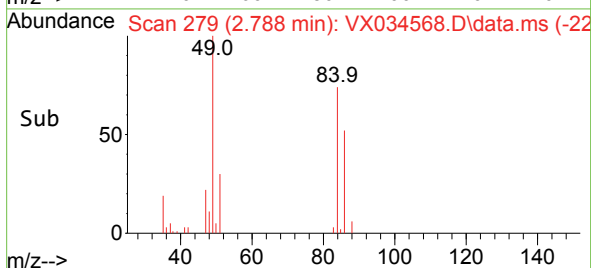
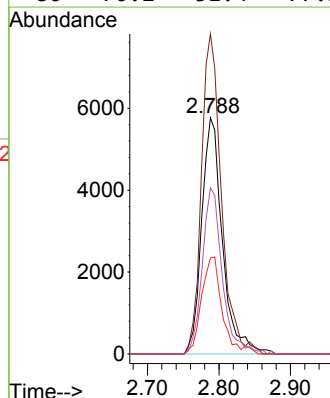
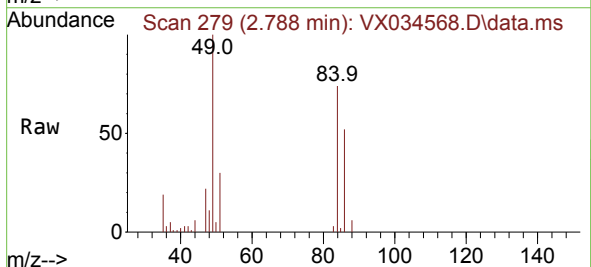
Ion Ratio Lower Upper

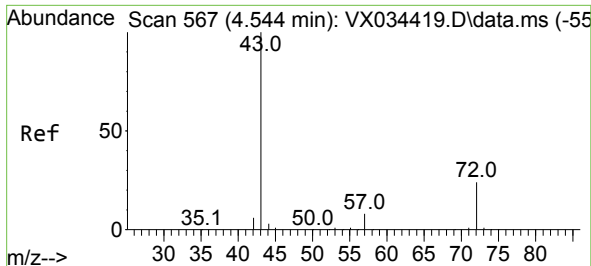
84 100

49 135.5 103.8 155.8

51 40.7 31.8 47.8

86 70.2 51.4 77.2

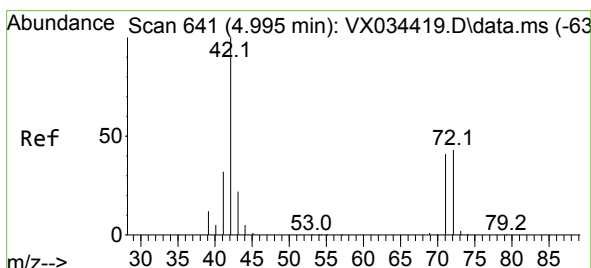
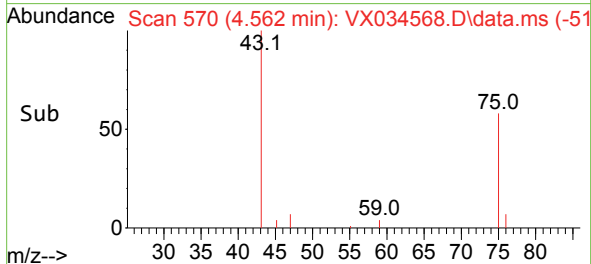
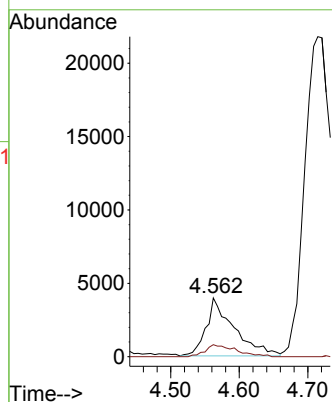
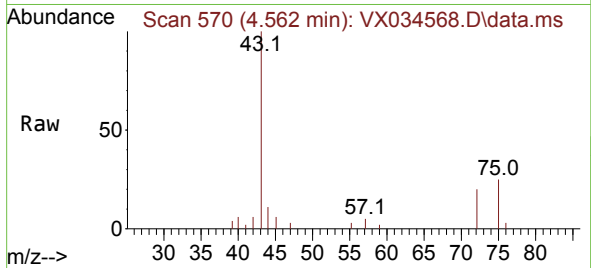




#25
2-Butanone
Concen: 4.797 ug/l
RT: 4.562 min Scan# 511
Delta R.T. 0.018 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

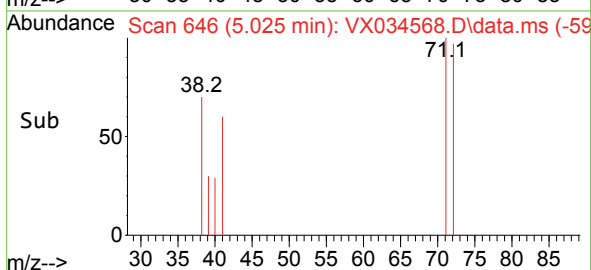
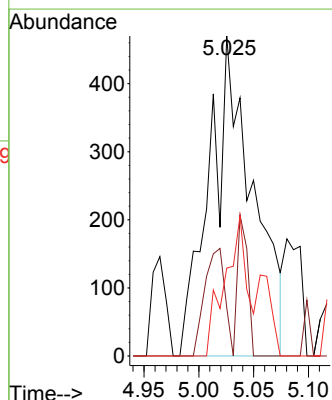
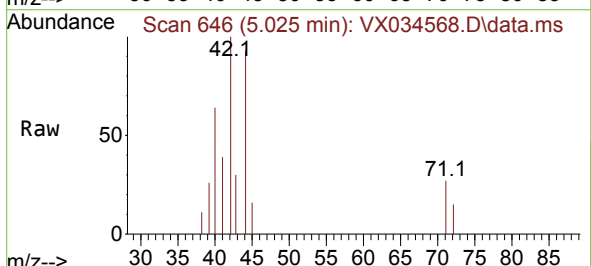
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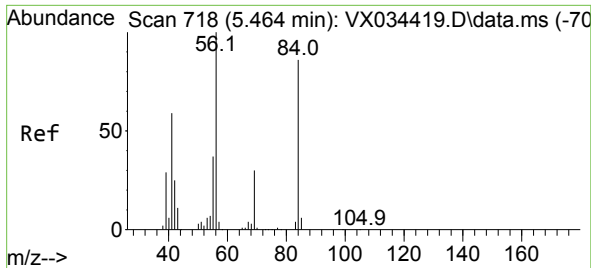
Tgt Ion: 43 Resp: 11179
Ion Ratio Lower Upper
43 100
72 20.7 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.895 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.030 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion: 42 Resp: 1287
Ion Ratio Lower Upper
42 100
72 15.7 34.5 51.7#
71 0.0 32.1 48.1#

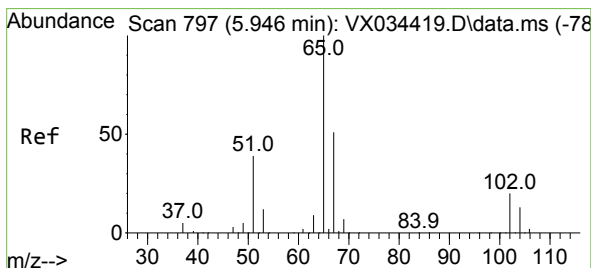
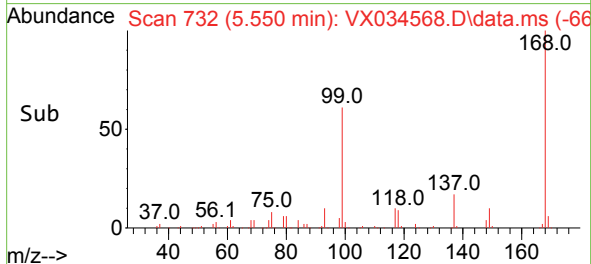
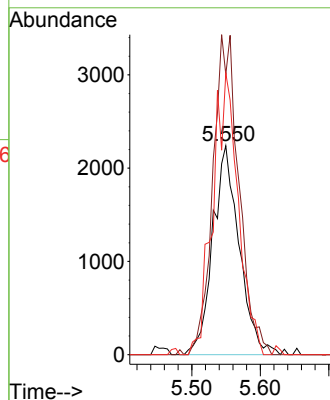
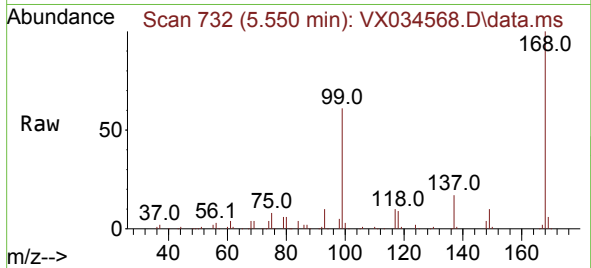




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

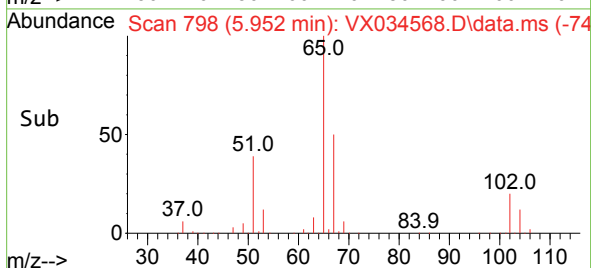
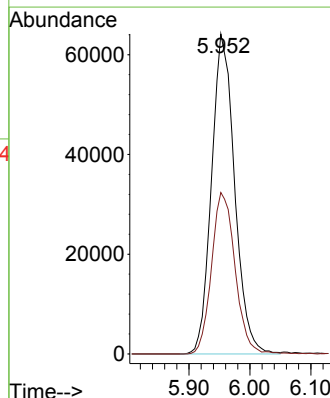
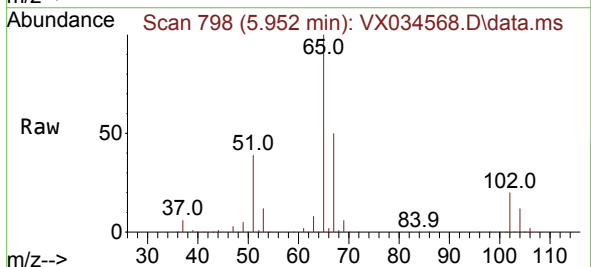
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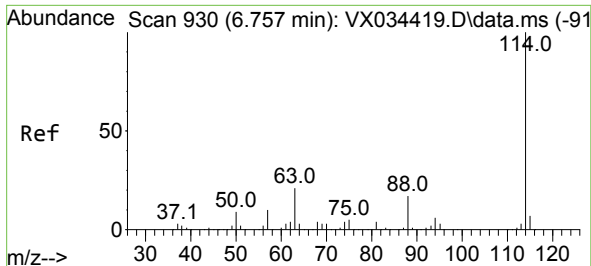
Tgt Ion: 56 Resp: 6005
Ion Ratio Lower Upper
56 100
69 134.0 23.7 35.5#
84 134.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.850 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion: 65 Resp: 168907
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0

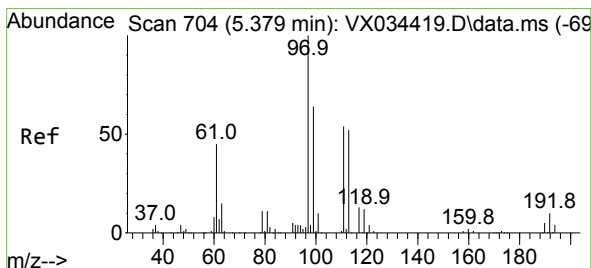
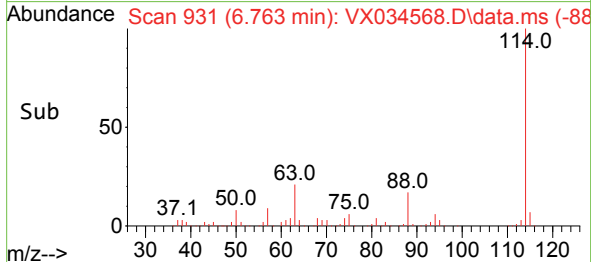
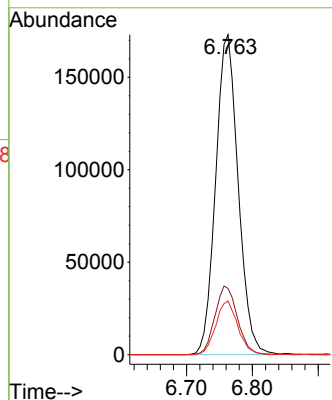
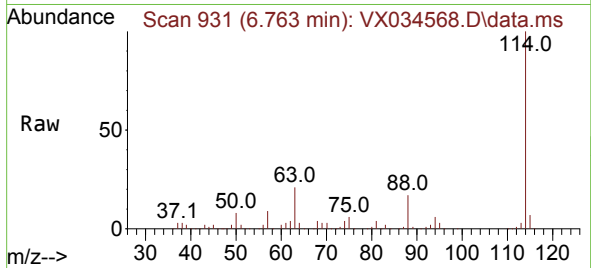




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

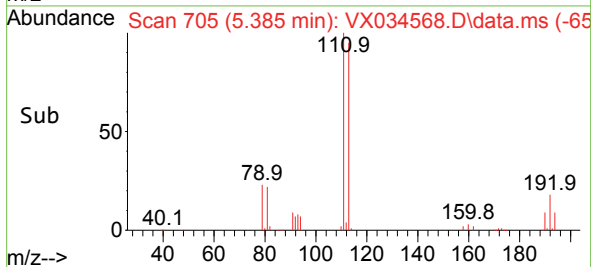
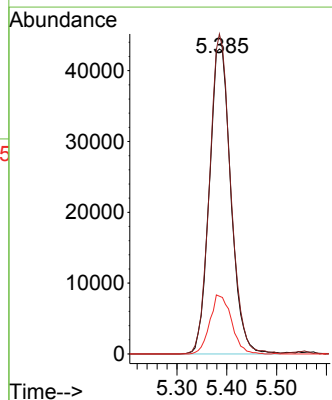
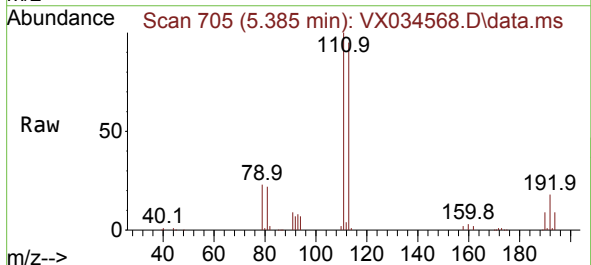
Instrument :
MSVOA_X
ClientSampleId :
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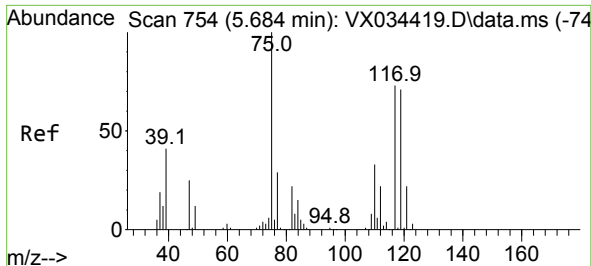
Tgt Ion:114 Resp: 412392
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.2
88 16.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.735 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion:113 Resp: 129972
Ion Ratio Lower Upper
113 100
111 102.3 83.7 125.5
192 19.3 15.4 23.2

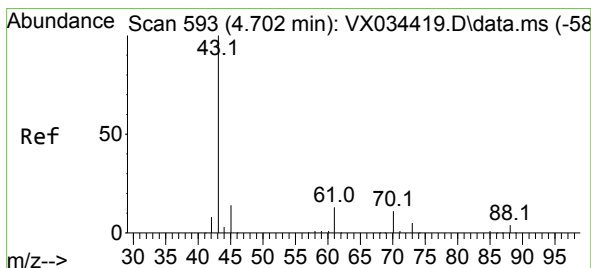
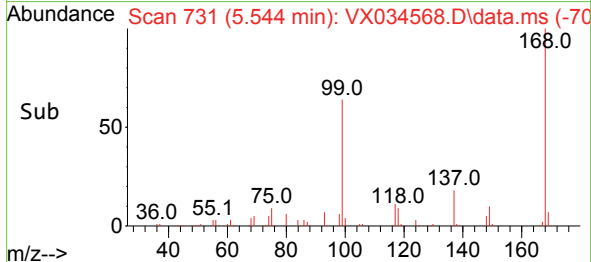
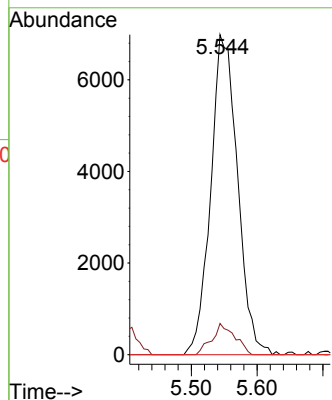
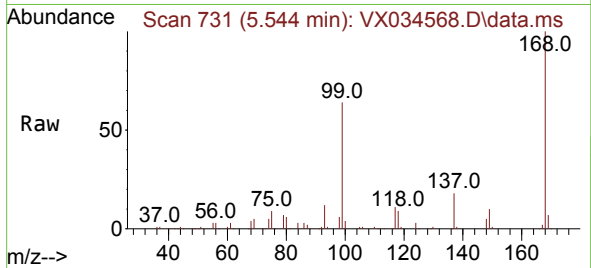




#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

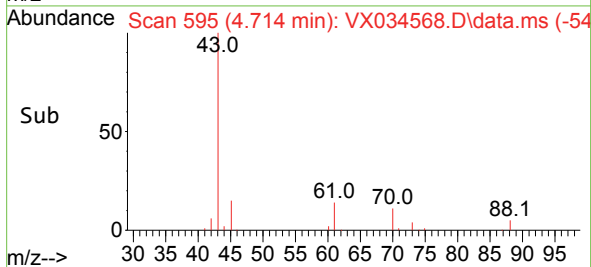
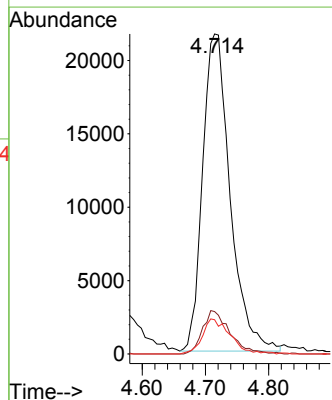
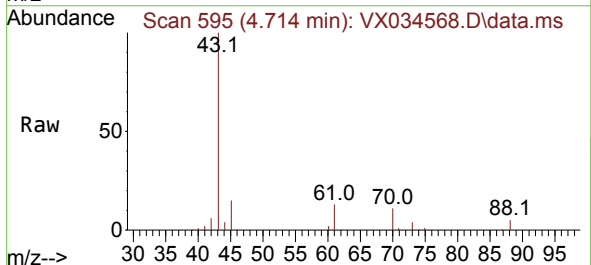
Instrument :
MSVOA_X
ClientSampleId :
33957

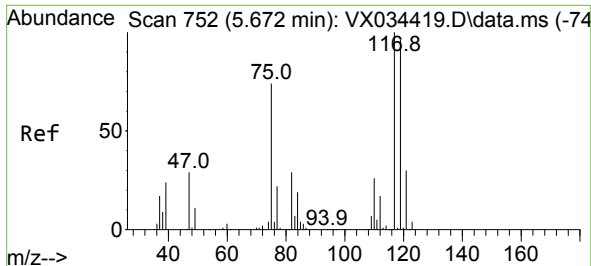
Tgt Ion: 75 Resp: 19813
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 14.336 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

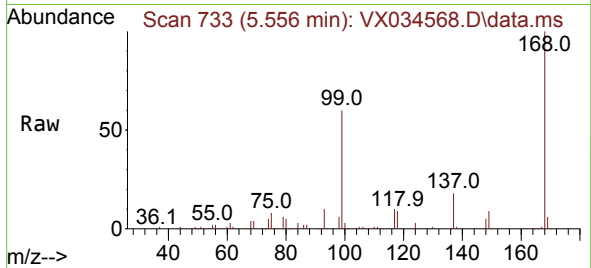
Tgt Ion: 43 Resp: 65498
Ion Ratio Lower Upper
43 100
61 13.5 10.2 15.4
70 11.0 8.2 12.4



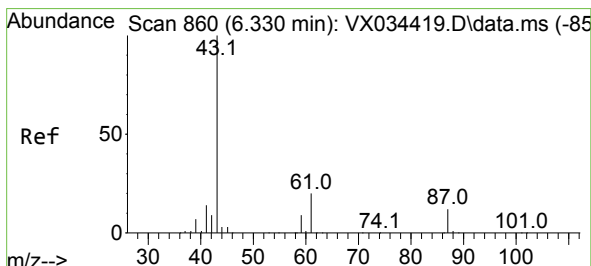
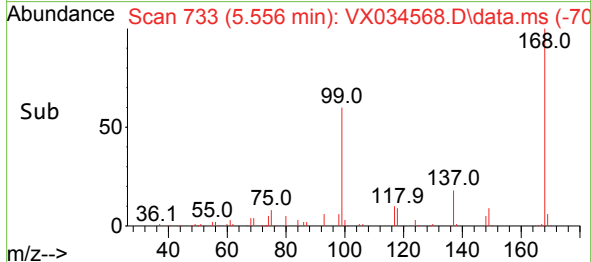
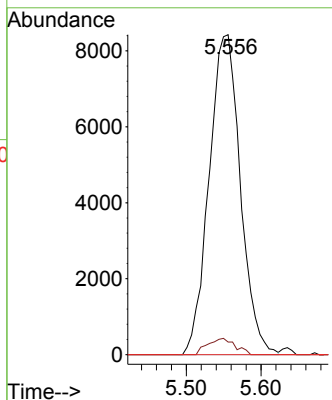


#38
Carbon Tetrachloride
Concen: 5.898 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Instrument :
MSVOA_X
ClientSampleId :
33957

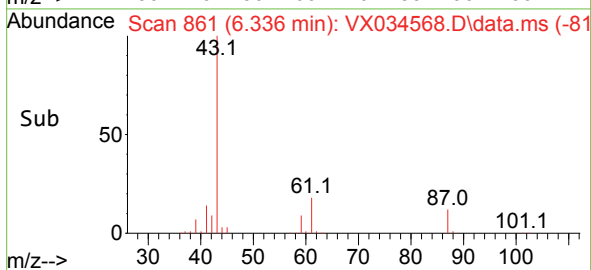
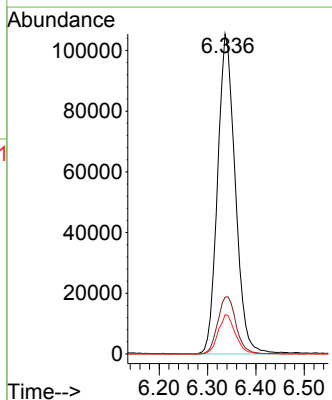
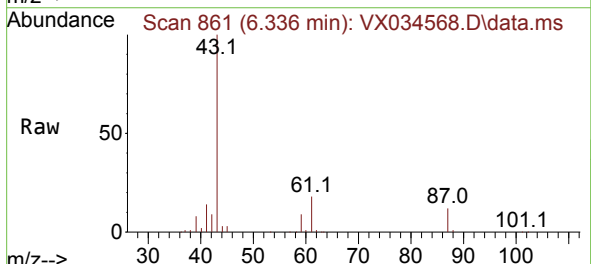


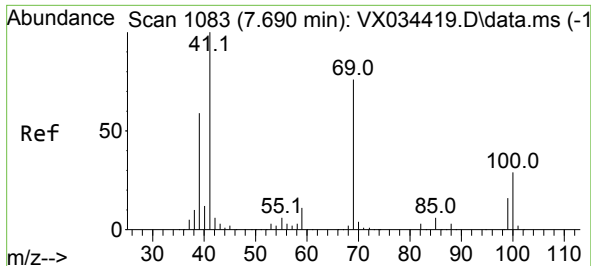
Tgt Ion:117 Resp: 24539
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 34.573 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion: 43 Resp: 267588
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 12.0 9.8 14.8

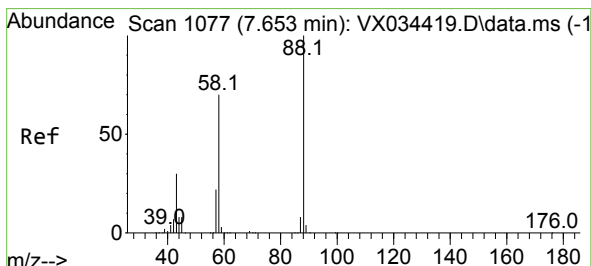
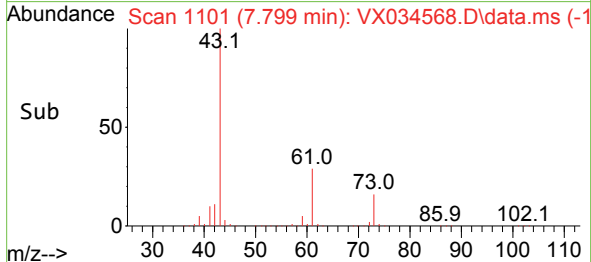
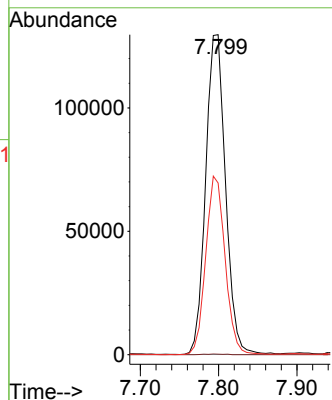
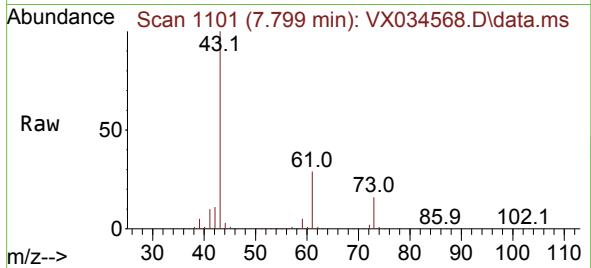




#48
Methyl methacrylate
Concen: 61.277 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

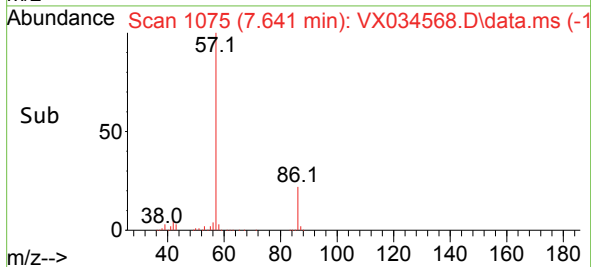
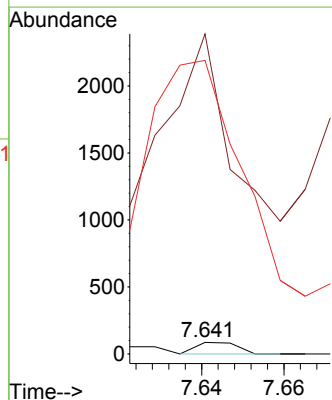
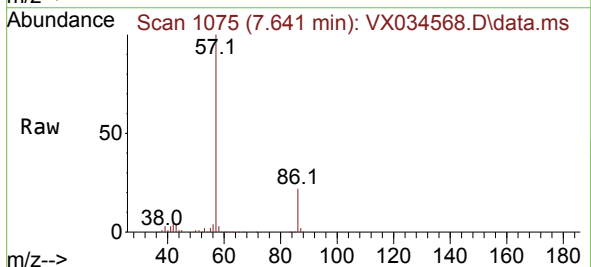
Instrument :
MSVOA_X
ClientSampleId :
33957

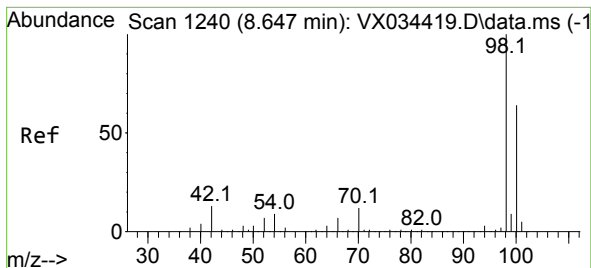
Tgt Ion: 41 Resp: 228102
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 54.6 47.7 71.5



#49
1,4-Dioxane
Concen: 0.780 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.012 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 6982.0 56.8 85.2#





#50

Toluene-d8

Concen: 49.623 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034568.D

Acq: 17 Mar 2023 06:48

Instrument :

MSVOA_X

ClientSampleId :

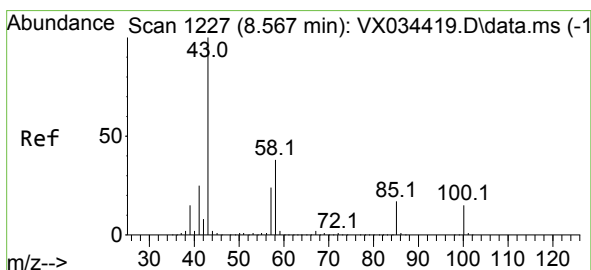
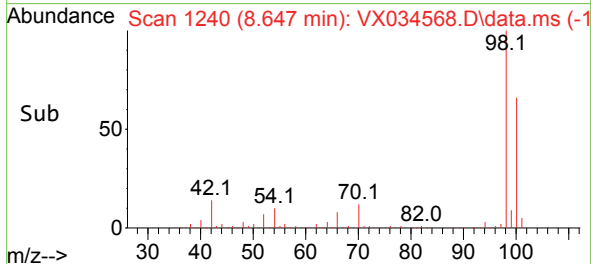
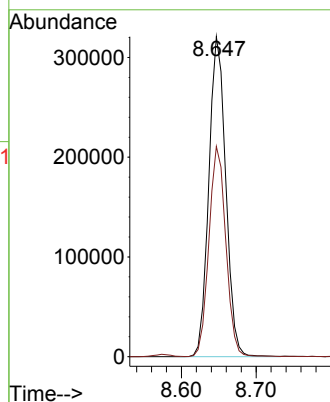
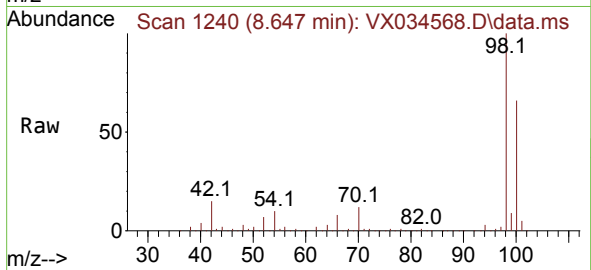
33957

Tgt Ion: 98 Resp: 504392

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 47.932 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.018 min

Lab File: VX034568.D

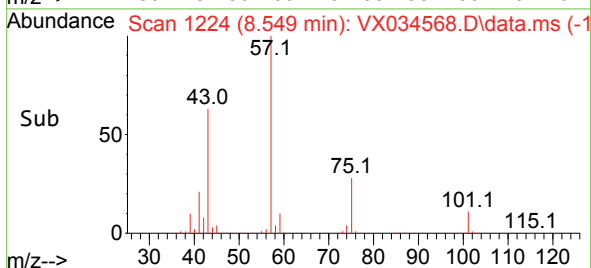
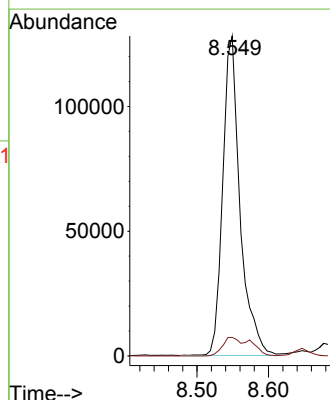
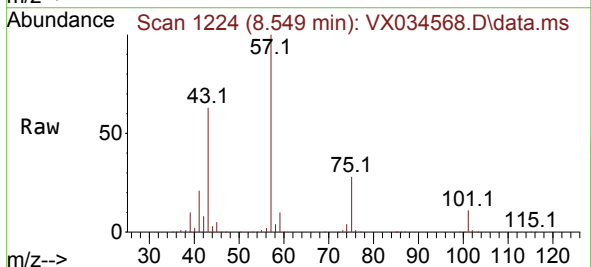
Acq: 17 Mar 2023 06:48

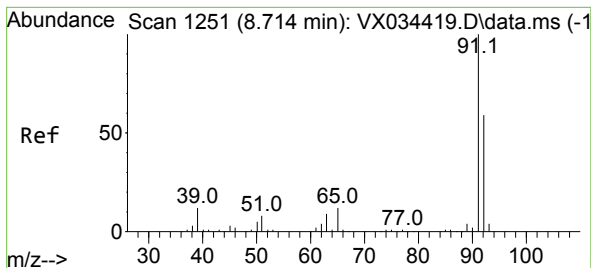
Tgt Ion: 43 Resp: 215213

Ion Ratio Lower Upper

43 100

58 9.6 30.6 46.0#





#52

Toluene

Concen: 0.282 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX034568.D

Acq: 17 Mar 2023 06:48

Instrument :

MSVOA_X

ClientSampleId :

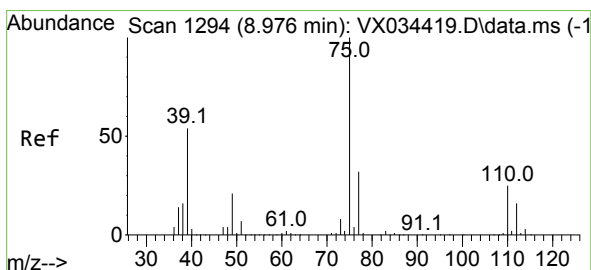
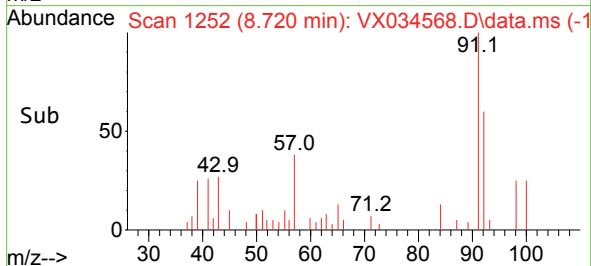
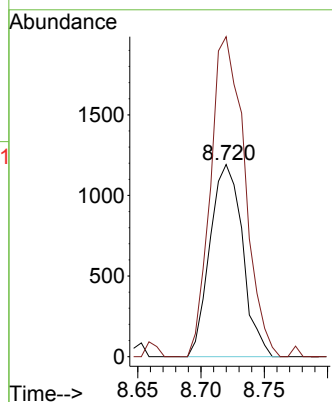
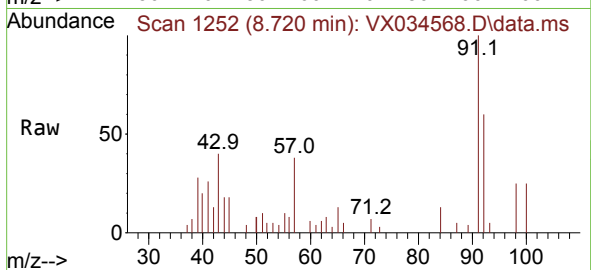
33957

Tgt Ion: 92 Resp: 2139

Ion Ratio Lower Upper

92 100

91 174.1 136.8 205.2



#53

t-1,3-Dichloropropene

Concen: 0.326 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX034568.D

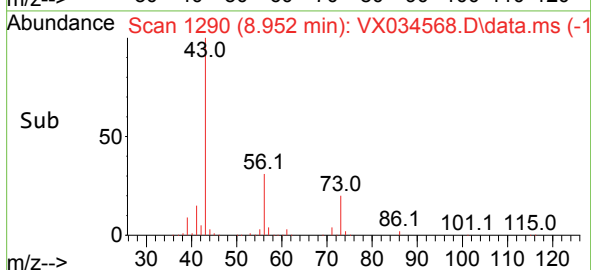
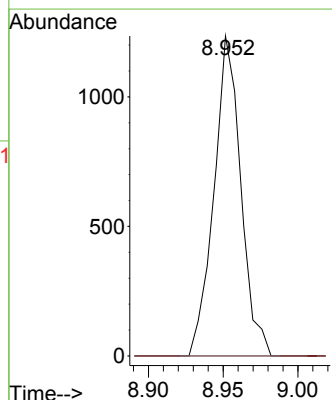
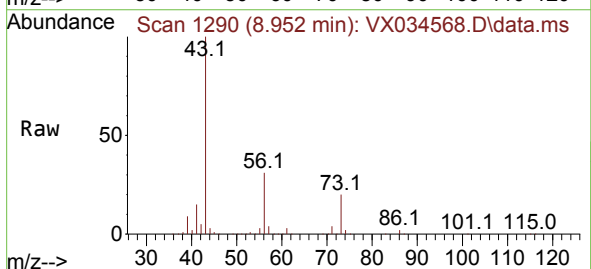
Acq: 17 Mar 2023 06:48

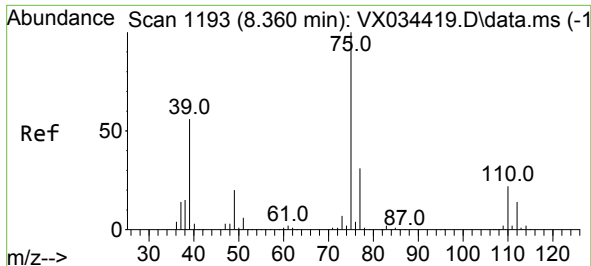
Tgt Ion: 75 Resp: 1544

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

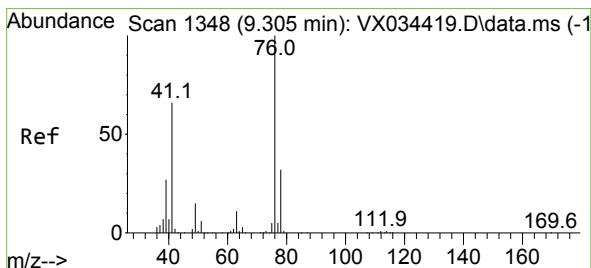
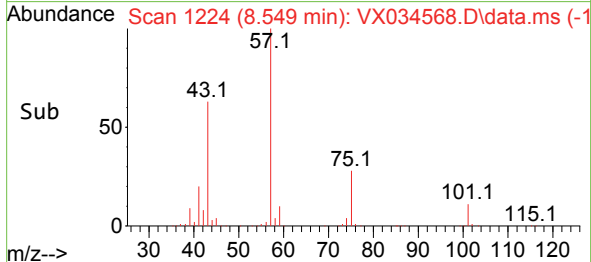
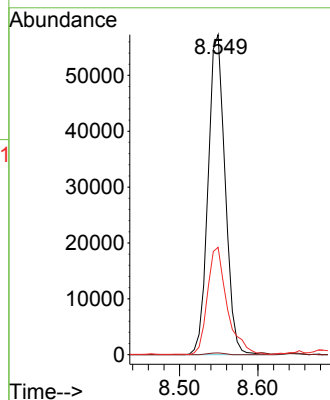
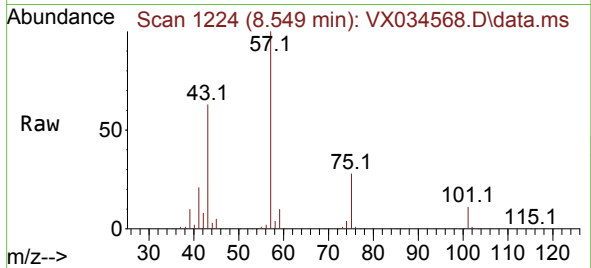




#54
 cis-1,3-Dichloropropene
 Concen: 16.877 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034568.D
 Acq: 17 Mar 2023 06:48

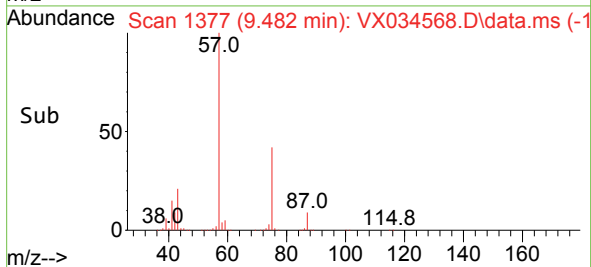
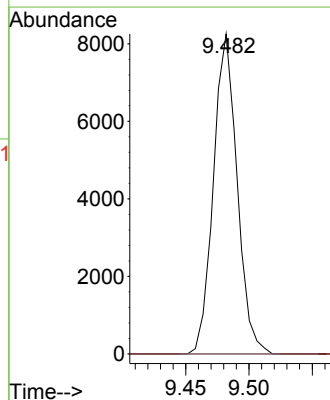
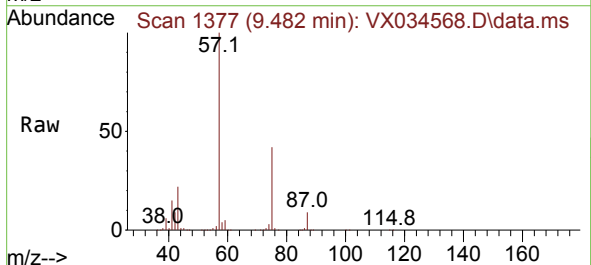
Instrument :
 MSVOA_X
 ClientSampleId :
 33957

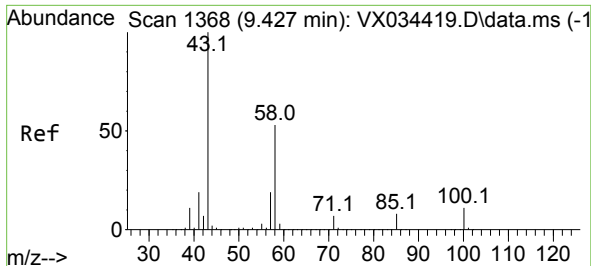
Tgt Ion: 75 Resp: 86459
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 33.4 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.010 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034568.D
 Acq: 17 Mar 2023 06:48

Tgt Ion: 76 Resp: 10739
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

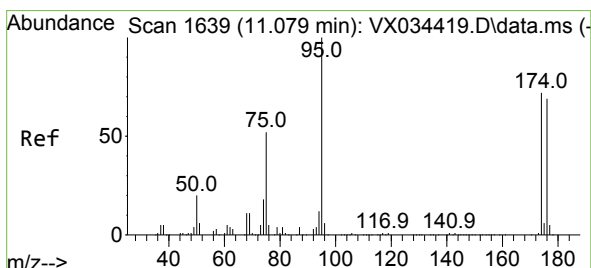
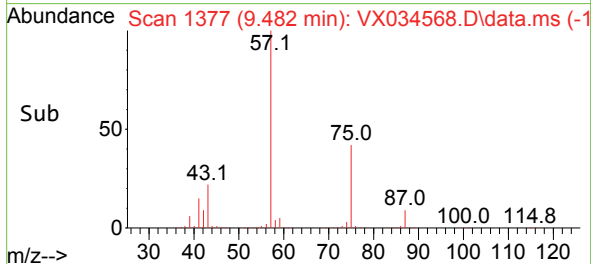
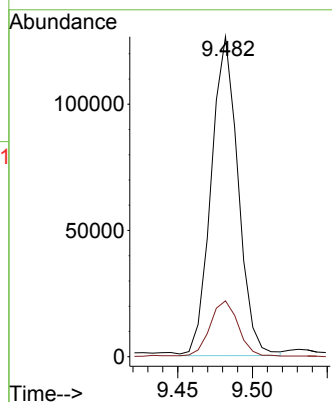
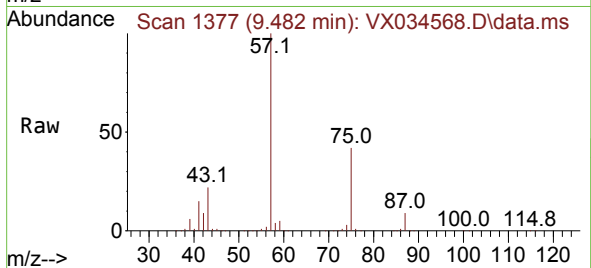




#59
2-Hexanone
Concen: 45.683 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

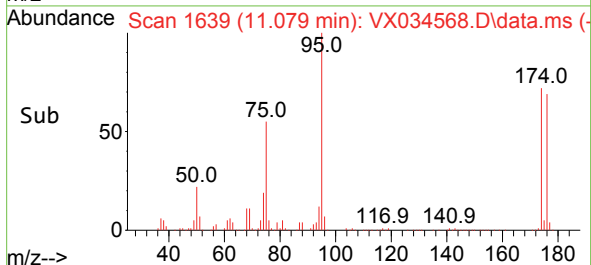
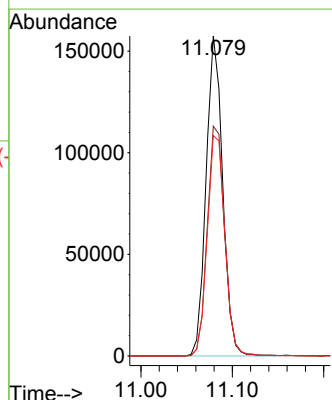
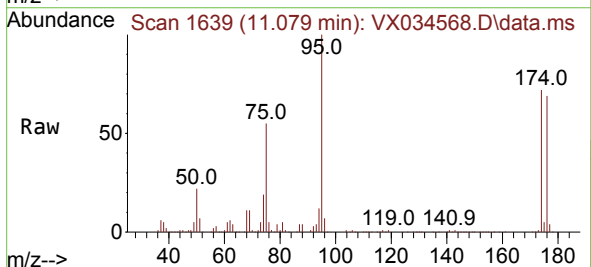
Instrument :
MSVOA_X
ClientSampleId :
33957

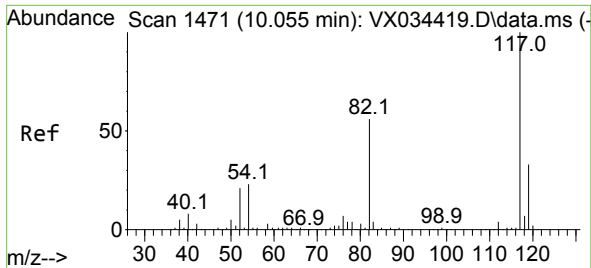
Tgt Ion: 43 Resp: 158558
Ion Ratio Lower Upper
43 100
58 19.2 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 48.257 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion: 95 Resp: 198128
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.4
176 73.4 0.0 140.6

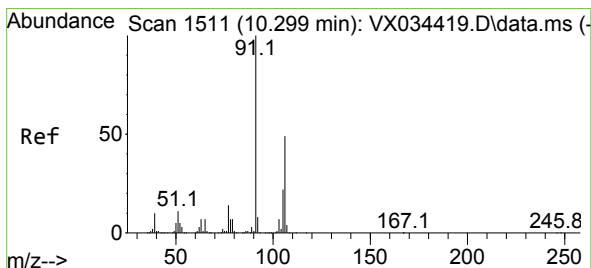
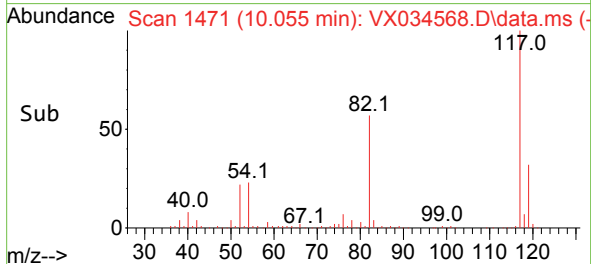
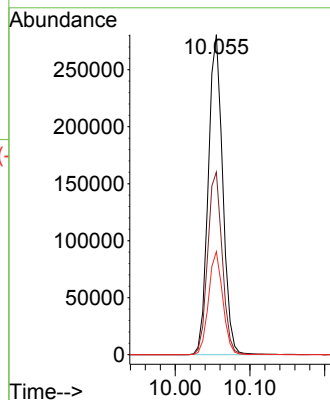
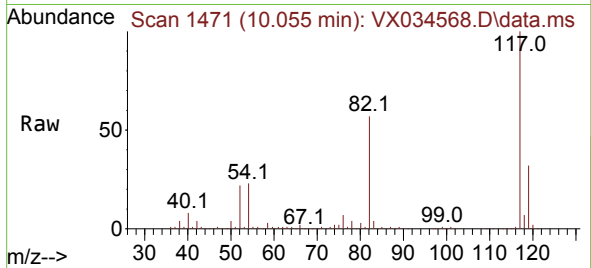




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

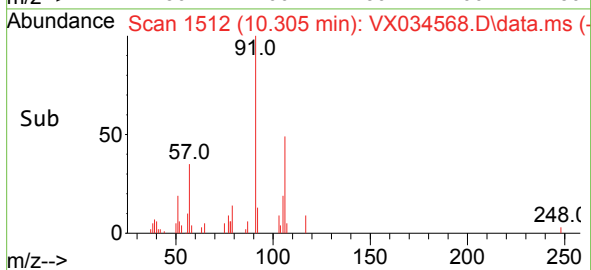
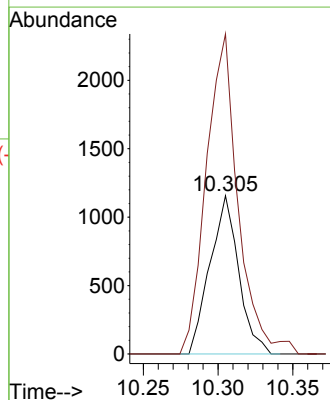
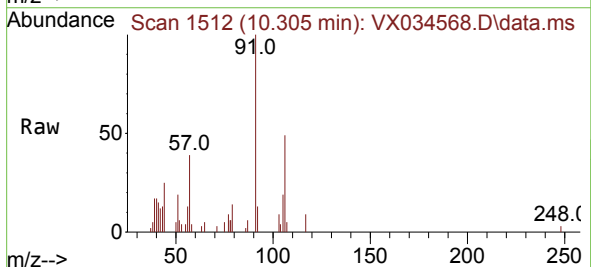
Instrument :
MSVOA_X
ClientSampleId :
33957

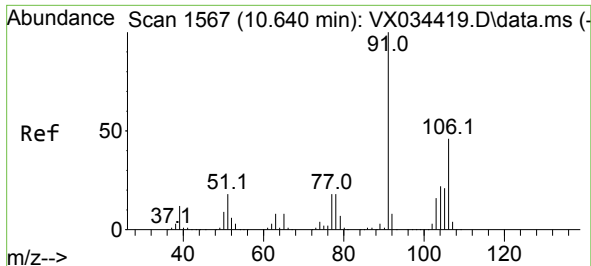
Tgt Ion:117 Resp: 376031
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 32.2 26.0 39.0



#68
m/p-Xylenes
Concen: 0.272 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion:106 Resp: 1545
Ion Ratio Lower Upper
106 100
91 223.5 164.0 246.0

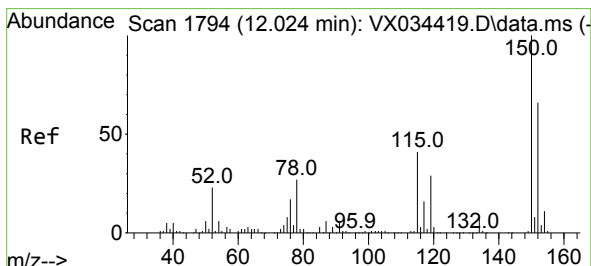
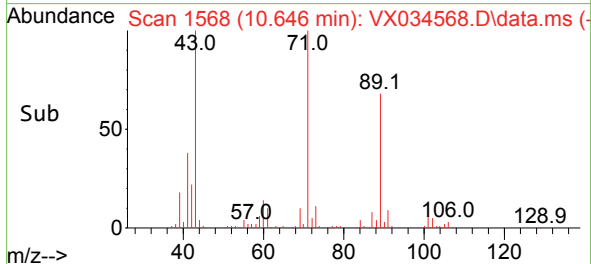
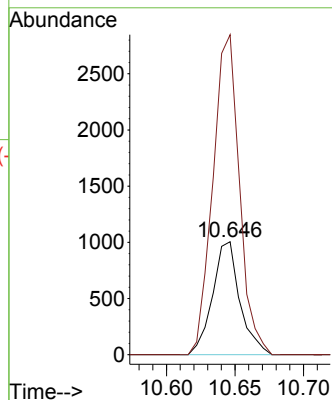
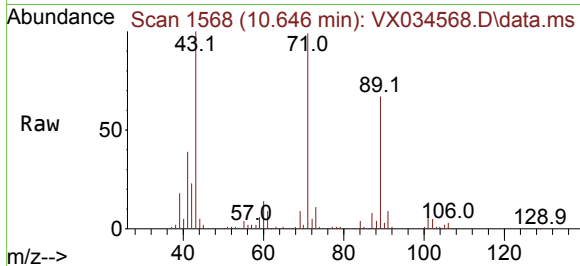




#69
o-Xylene
Concen: 0.244 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

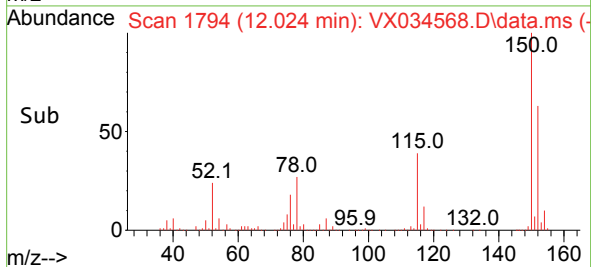
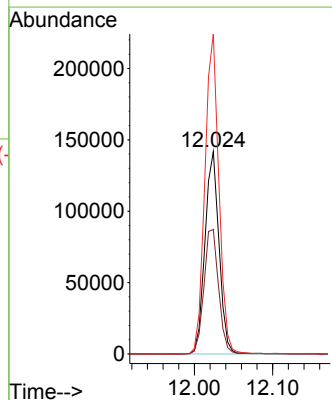
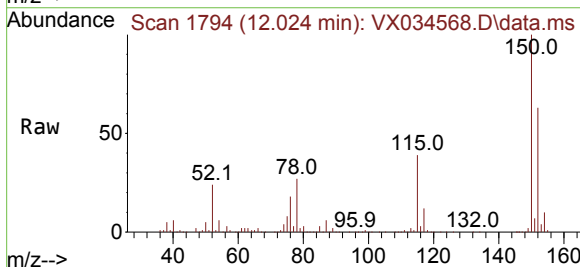
Instrument :
MSVOA_X
ClientSampleId :
33957

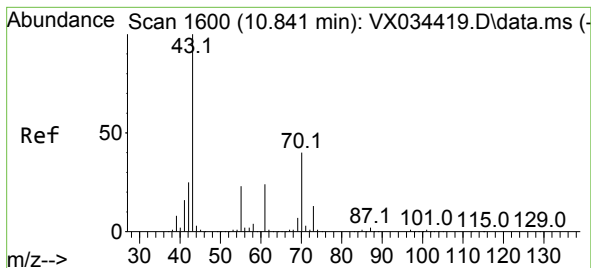
Tgt Ion:106 Resp: 1392
Ion Ratio Lower Upper
106 100
91 276.1 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion:152 Resp: 176578
Ion Ratio Lower Upper
152 100
115 64.2 45.0 135.0
150 157.0 0.0 352.4





#74

N-amy1 acetate

Concen: 9.041 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034568.D

Acq: 17 Mar 2023 06:48

Instrument :

MSVOA_X

ClientSampleId :

33957

Tgt Ion: 43 Resp: 59097

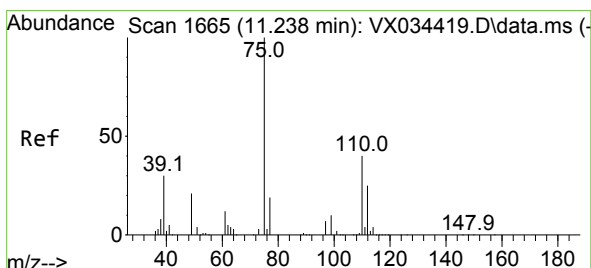
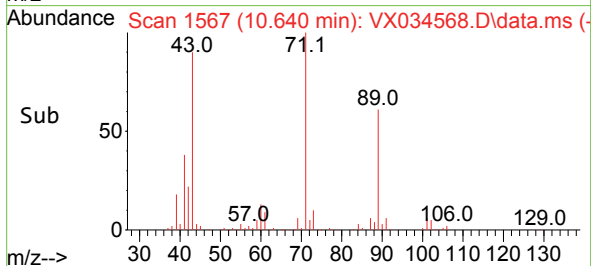
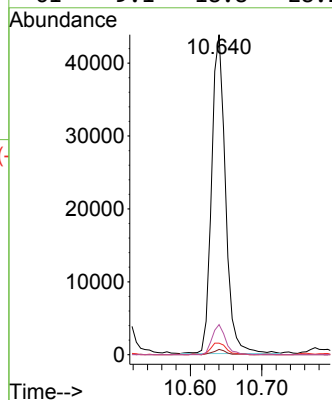
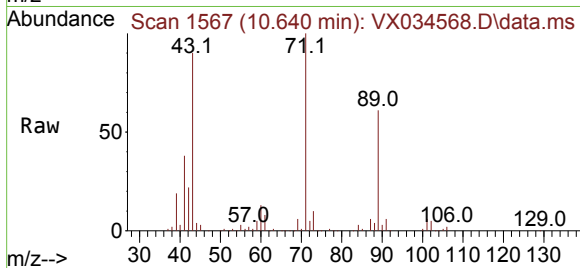
Ion Ratio Lower Upper

43 100

70 1.6 32.1 48.1#

55 4.2 18.3 27.5#

61 9.1 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.813 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034568.D

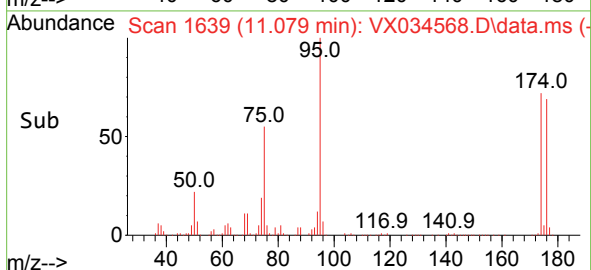
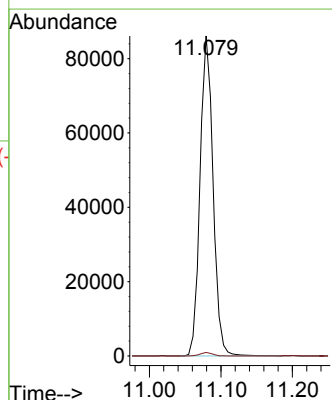
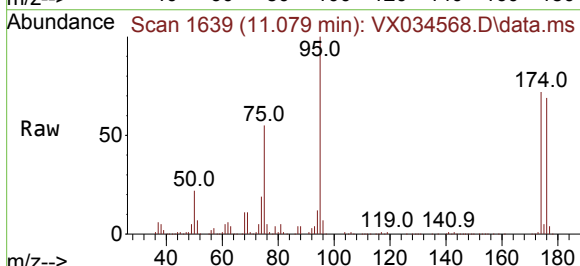
Acq: 17 Mar 2023 06:48

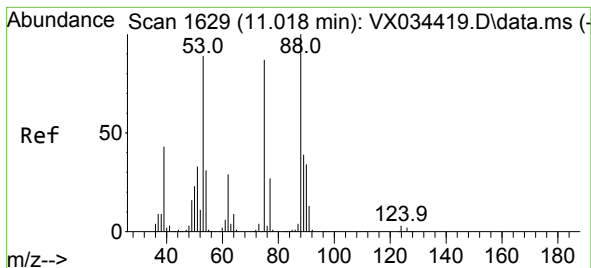
Tgt Ion: 75 Resp: 108710

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#

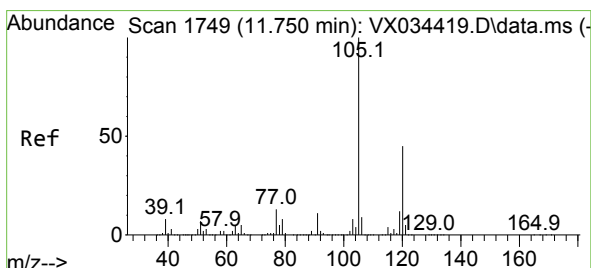
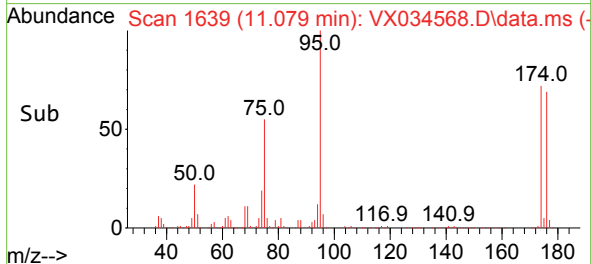
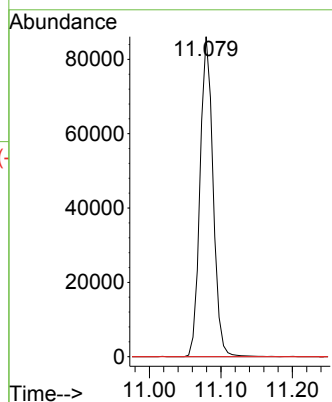
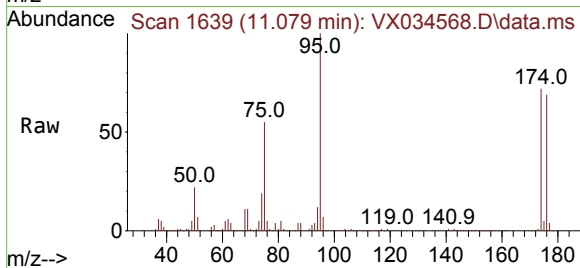




#81
trans-1,4-Dichloro-2-butene
Concen: 72.536 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

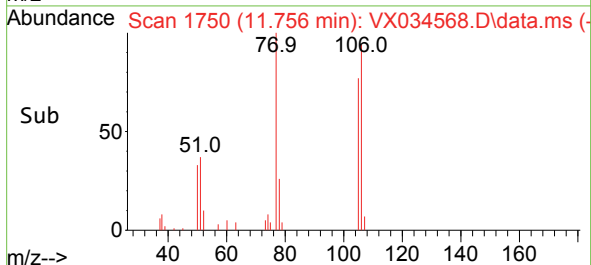
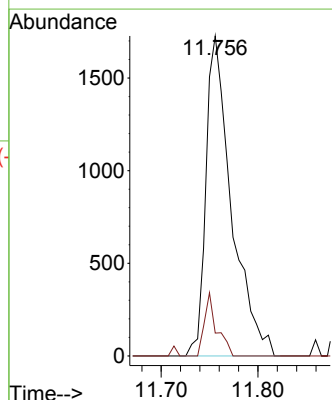
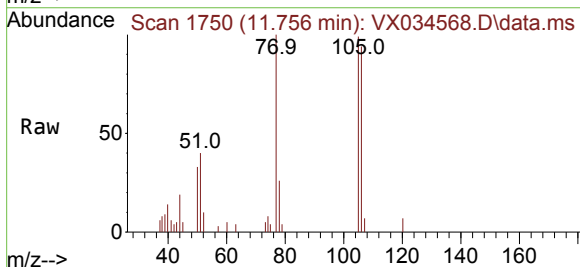
Instrument :
MSVOA_X
ClientSampleId :
33957

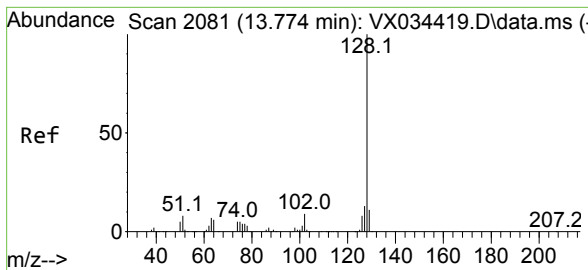
Tgt Ion: 75 Resp: 108710
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.271 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Tgt Ion: 105 Resp: 3176
Ion Ratio Lower Upper
105 100
120 9.5 22.4 67.0#





#95
Naphthalene
Concen: 0.261 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034568.D
Acq: 17 Mar 2023 06:48

Instrument :
MSVOA_X
ClientSampleId :
33957

Tgt Ion:	128	Resp:	3393
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	6.4	8.6	13.0#

