

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034565.D
 Acq On : 17 Mar 2023 05:38
 Operator : JC/MD
 Sample : 01907-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33956

Quant Time: Mar 17 07:53:46 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)

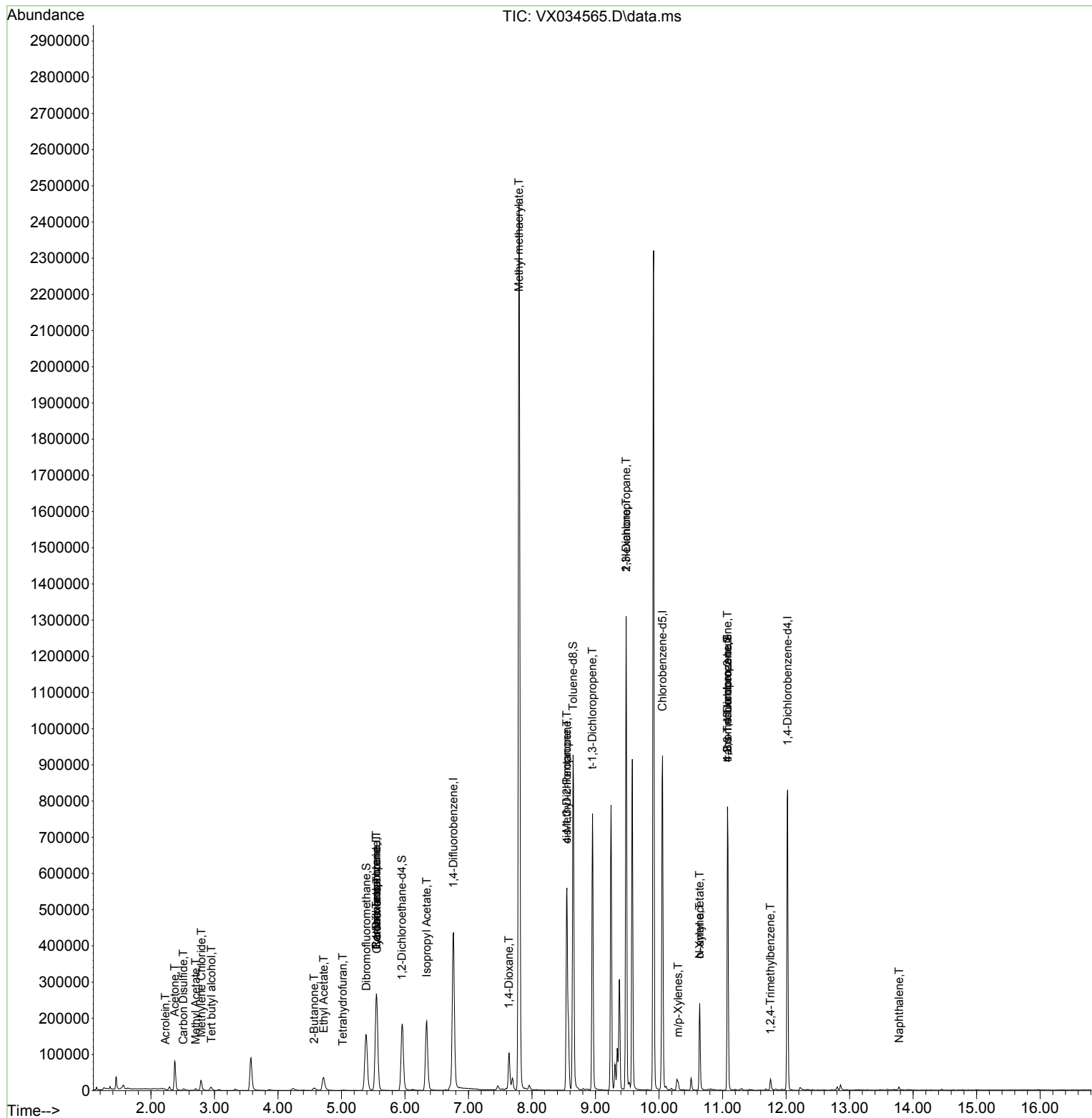
Internal Standards						
1) Pentafluorobenzene	5.550	168	247520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	427581	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	174245	48.389	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.780%		
35) Dibromofluoromethane	5.391	113	135347	47.943	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.880%		
50) Toluene-d8	8.647	98	526654	49.973	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.940%		
62) 4-Bromofluorobenzene	11.079	95	201498	47.335	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.660%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	570	Below Cal	#	86
11) Tert butyl alcohol	2.953	59	6818	9.092	ug/l #	88
13) Acrolein	2.227	56	1013	1.708	ug/l	97
16) Acetone	2.373	43	86221	50.832	ug/l	98
17) Carbon Disulfide	2.508	76	3659	0.480	ug/l #	95
18) Methyl Acetate	2.703	43	5670	1.023	ug/l	97
20) Methylene Chloride	2.794	84	12058	3.663	ug/l	95
25) 2-Butanone	4.568	43	11041	4.549	ug/l	91
29) Tetrahydrofuran	5.019	42	535	0.357	ug/l #	92
31) Cyclohexane	5.556	56	5937	1.176	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	21290	4.910	ug/l #	50
37) Ethyl Acetate	4.721	43	66036	13.940	ug/l	98
38) Carbon Tetrachloride	5.550	117	25486	5.908	ug/l #	16
43) Isopropyl Acetate	6.342	43	265010	33.023	ug/l	99
48) Methyl methacrylate	7.793	41	222020	57.525	ug/l #	47
49) 1,4-Dioxane	7.635	88	87	1.073	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	285949	61.424	ug/l #	37
53) t-1,3-Dichloropropene	8.951	75	1544	0.314	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	86589	16.302	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	10817	1.953	ug/l #	42
59) 2-Hexanone	9.482	43	157539	43.777	ug/l #	51
68) m/p-Xylenes	10.299	106	4658	0.798	ug/l	98
69) o-Xylene	10.640	106	6810	1.162	ug/l	92
74) N-amyl acetate	10.640	43	56505	9.269	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	110323	29.177	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	110323	78.931	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	9911	0.908	ug/l #	36
95) Naphthalene	13.780	128	5137	0.424	ug/l	99

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

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Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
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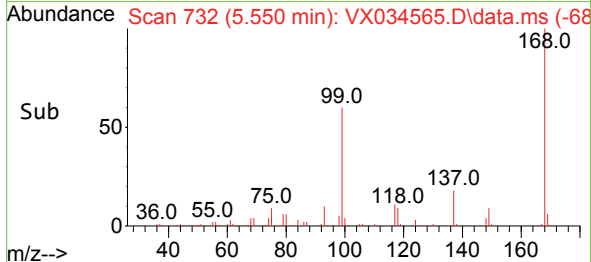
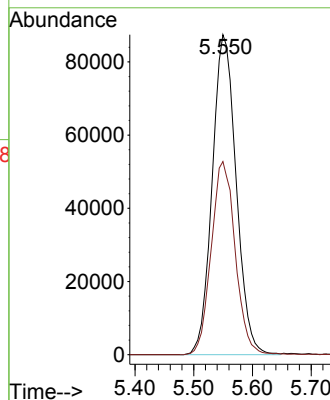
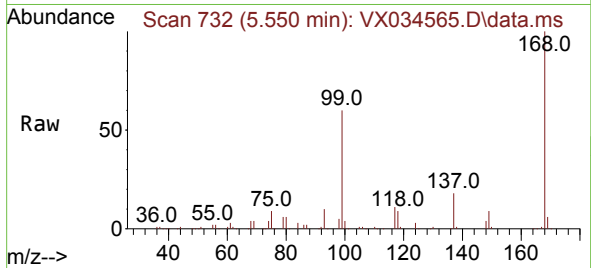




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

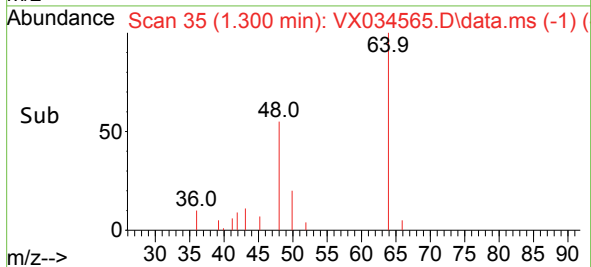
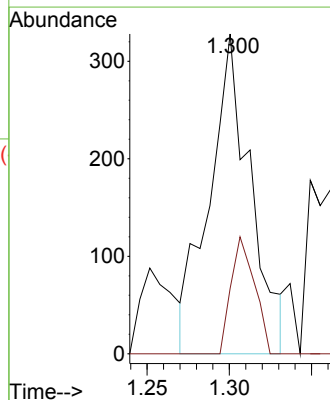
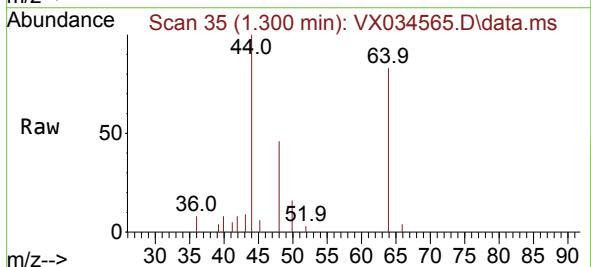
Instrument :
MSVOA_X
ClientSampleId :
33956

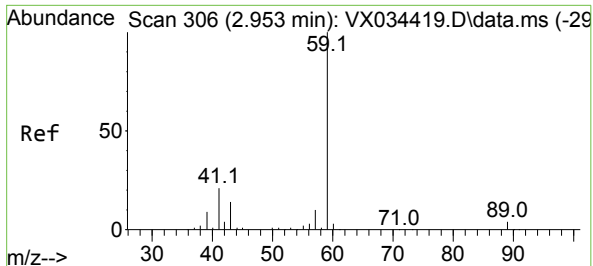
Tgt Ion:168 Resp: 247520
Ion Ratio Lower Upper
168 100
99 60.3 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 24.3 25.9 38.9#

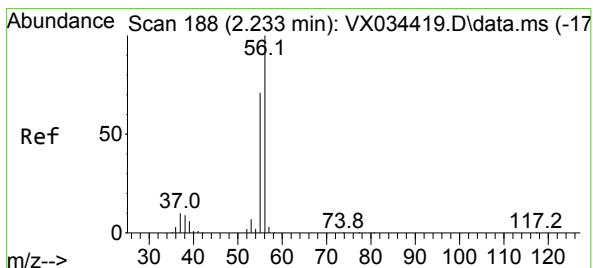
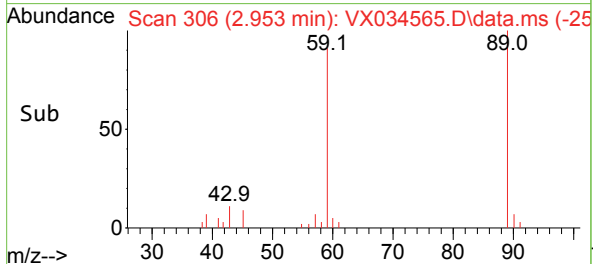
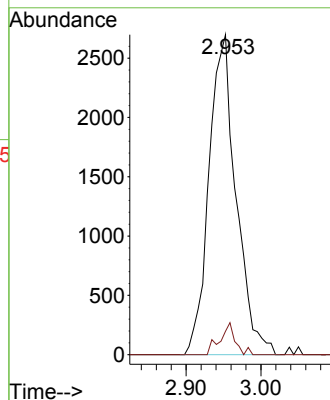
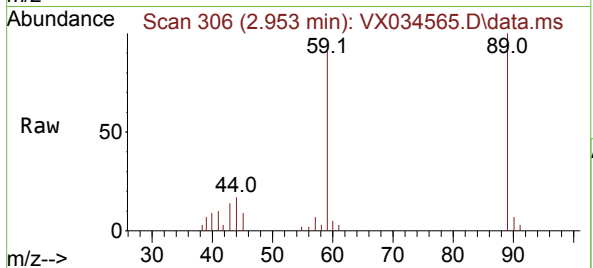




#11
Tert butyl alcohol
Concen: 9.092 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

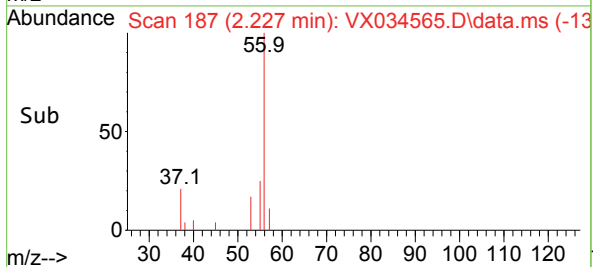
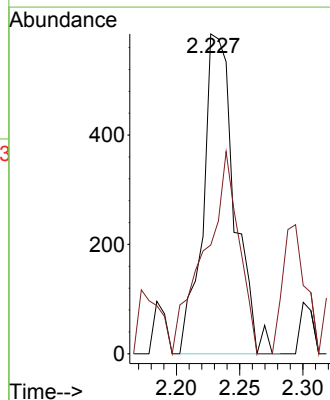
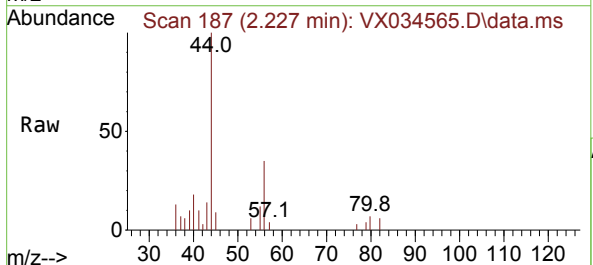
Instrument :
MSVOA_X
ClientSampleId :
33956

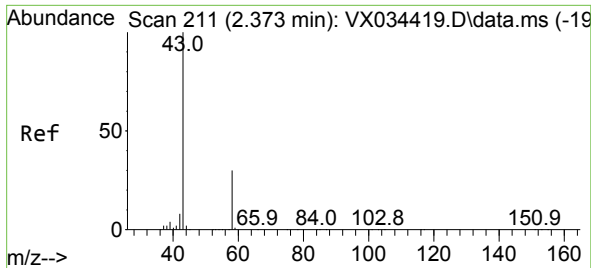
Tgt Ion: 59 Resp: 6818
Ion Ratio Lower Upper
59 100
57 5.6 8.1 12.1#



#13
Acrolein
Concen: 1.708 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 56 Resp: 1013
Ion Ratio Lower Upper
56 100
55 67.9 56.6 85.0

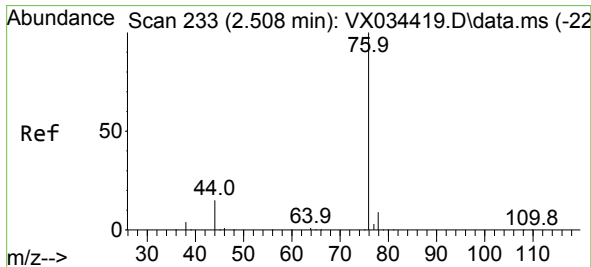
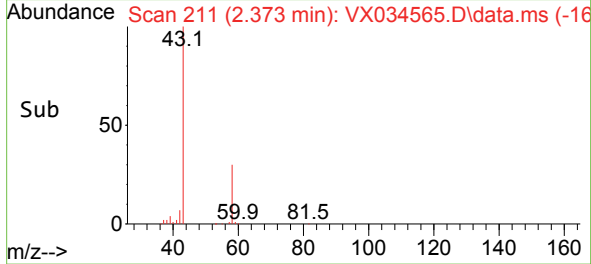
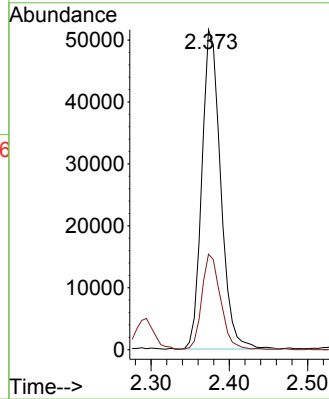
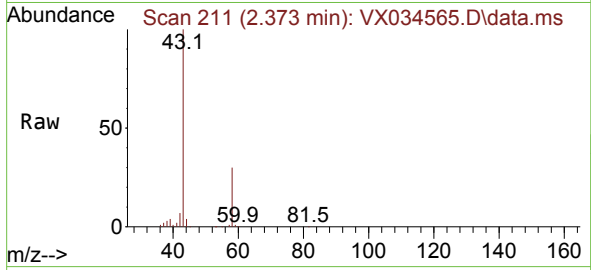




#16
Acetone
Concen: 50.832 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

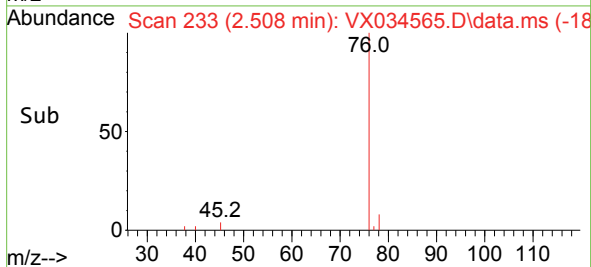
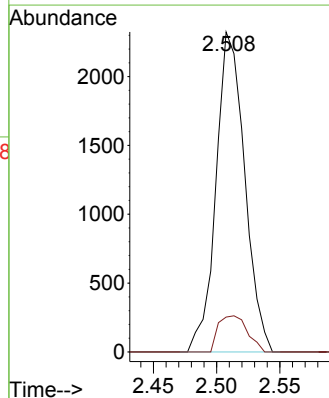
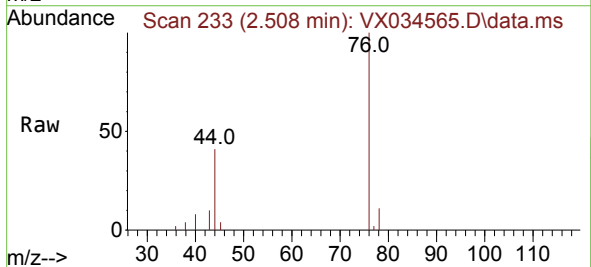
Instrument :
MSVOA_X
ClientSampleId :
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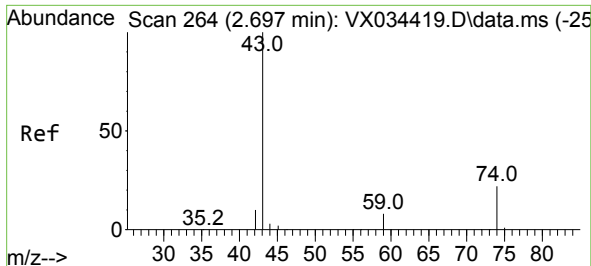
Tgt Ion: 43 Resp: 86221
Ion Ratio Lower Upper
43 100
58 29.8 24.7 37.1



#17
Carbon Disulfide
Concen: 0.480 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 76 Resp: 3659
Ion Ratio Lower Upper
76 100
78 10.9 7.2 10.8#

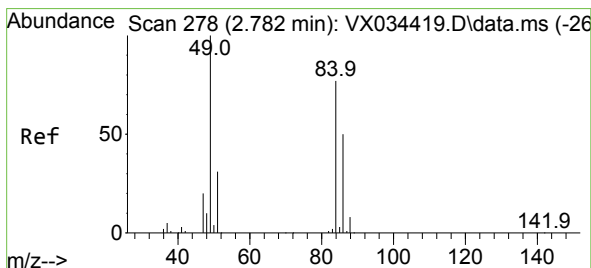
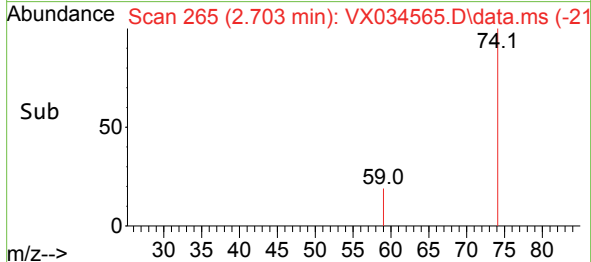
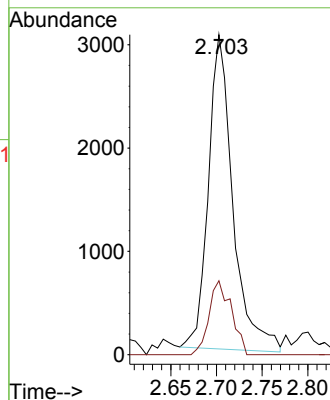
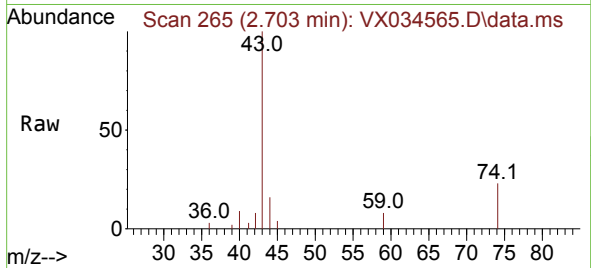




#18
Methyl Acetate
Concen: 1.023 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

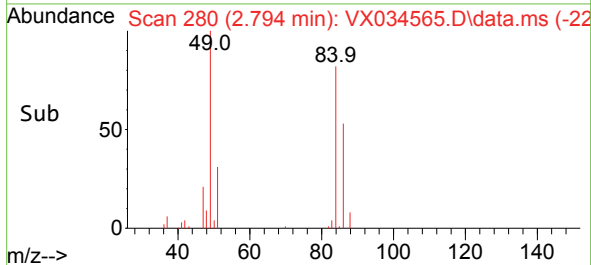
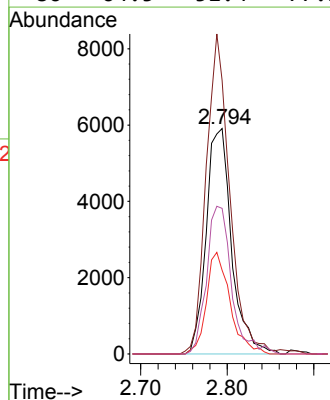
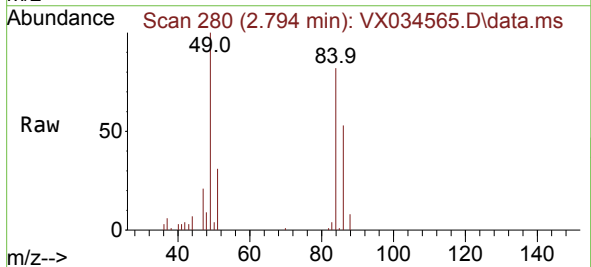
Instrument :
MSVOA_X
ClientSampleId :
33956

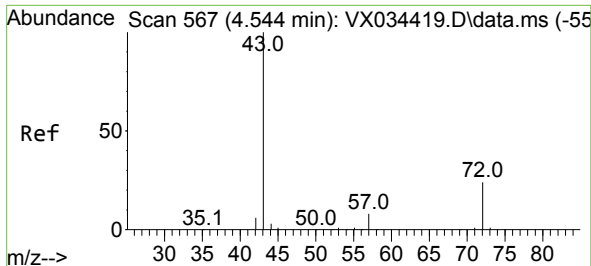
Tgt Ion: 43 Resp: 5670
Ion Ratio Lower Upper
43 100
74 21.4 18.3 27.5



#20
Methylene Chloride
Concen: 3.663 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 84 Resp: 12058
Ion Ratio Lower Upper
84 100
49 121.3 103.8 155.8
51 37.1 31.8 47.8
86 64.5 51.4 77.2

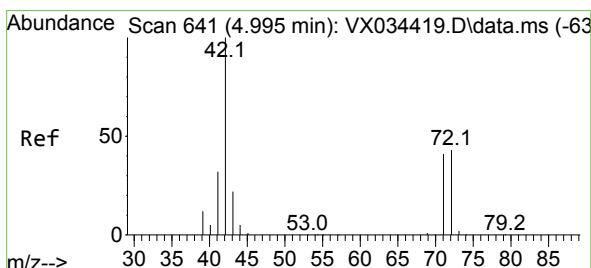
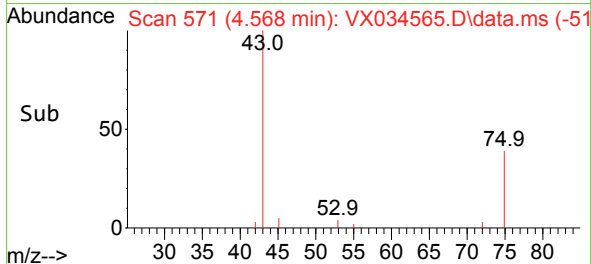
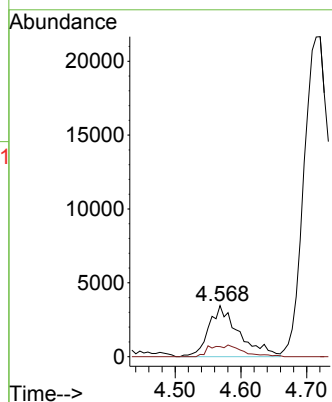
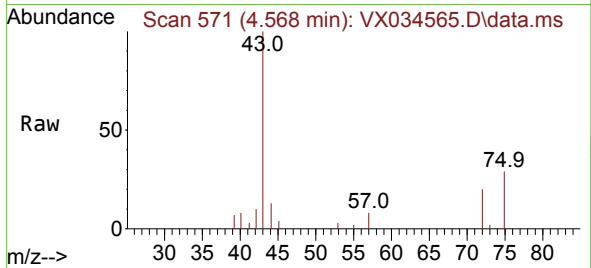




#25
2-Butanone
Concen: 4.549 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

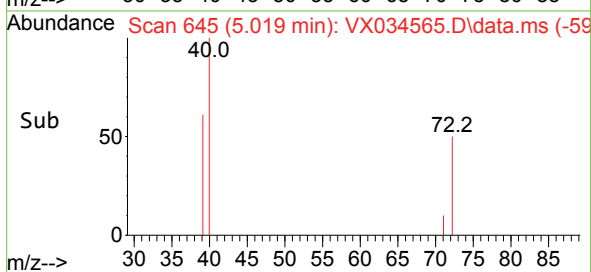
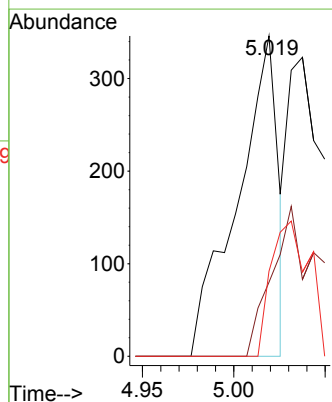
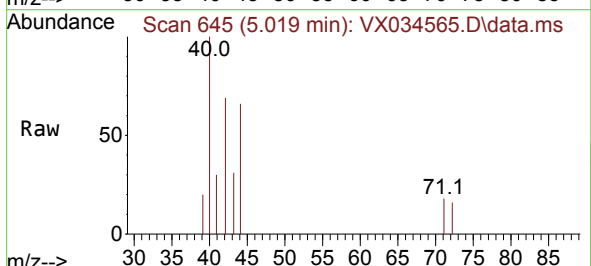
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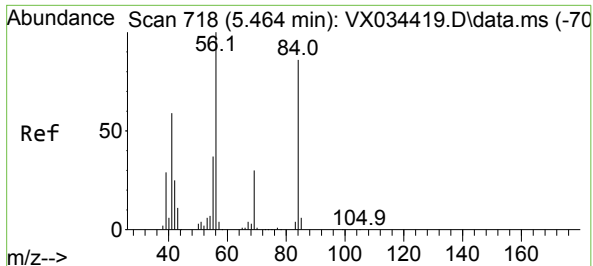
Tgt Ion: 43 Resp: 11041
Ion Ratio Lower Upper
43 100
72 19.7 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.357 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.024 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 42 Resp: 535
Ion Ratio Lower Upper
42 100
72 33.3 34.5 51.7#
71 39.4 32.1 48.1

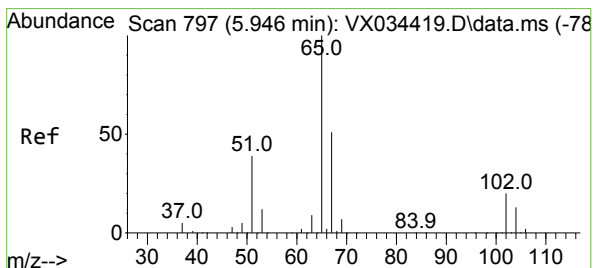
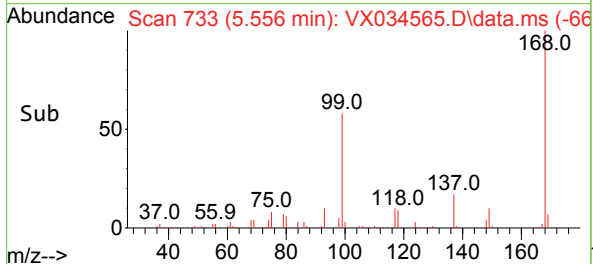
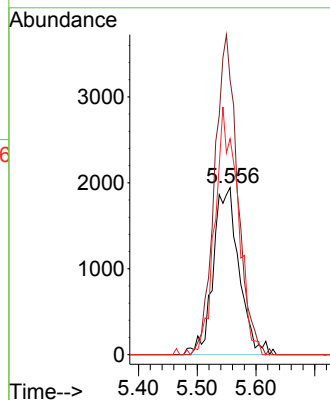
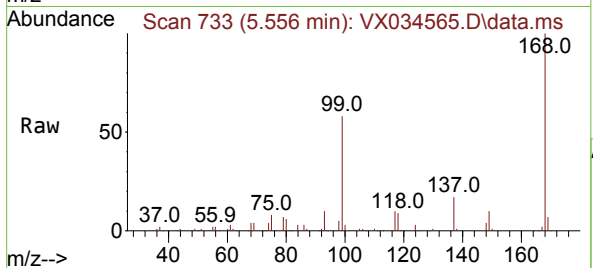




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

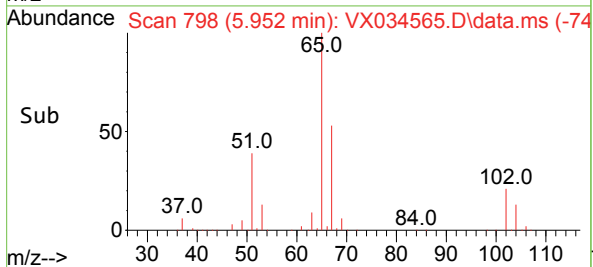
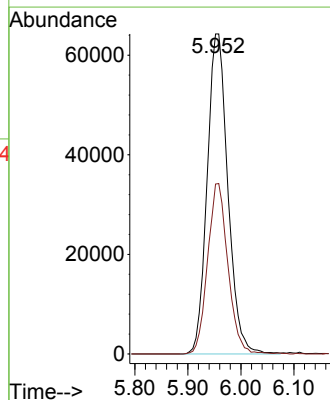
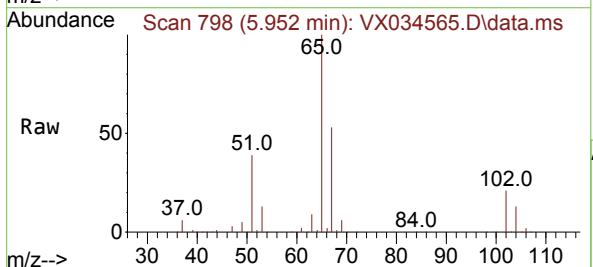
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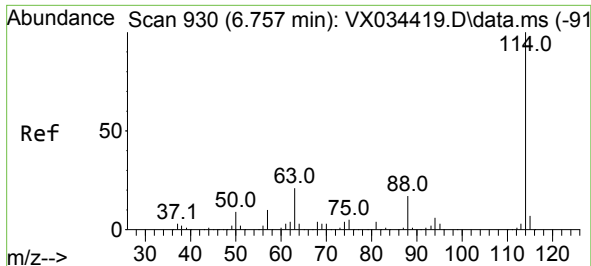
Tgt Ion: 56 Resp: 5937
Ion Ratio Lower Upper
56 100
69 164.4 23.7 35.5#
84 129.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.389 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 65 Resp: 174245
Ion Ratio Lower Upper
65 100
67 52.1 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: VX034565.D

Acq: 17 Mar 2023 05:38

Instrument :

MSVOA_X

ClientSampleId :

33956

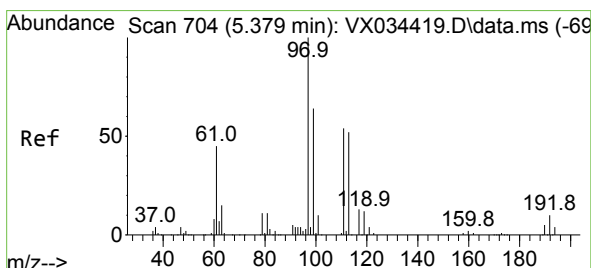
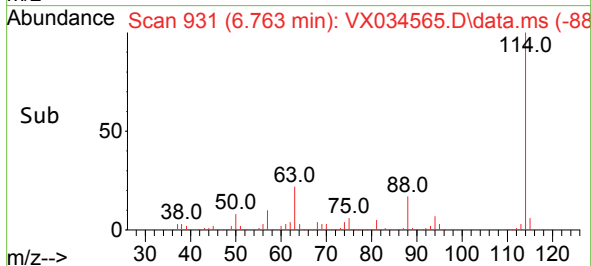
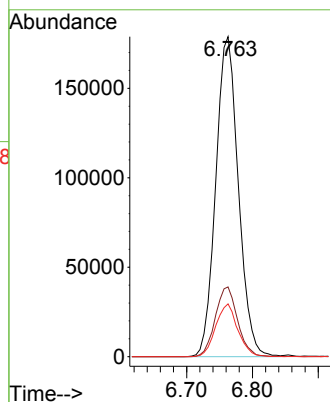
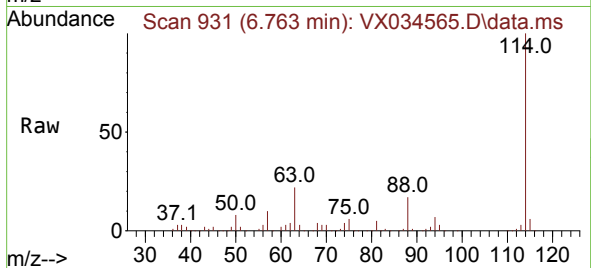
Tgt Ion:114 Resp: 427581

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.2

88 16.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.943 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.012 min

Lab File: VX034565.D

Acq: 17 Mar 2023 05:38

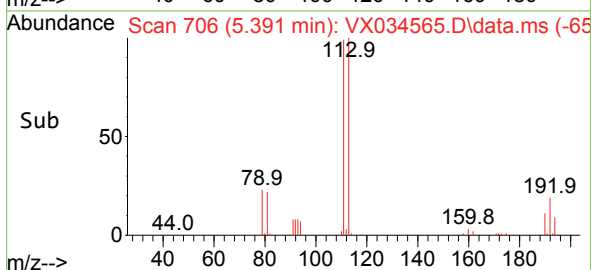
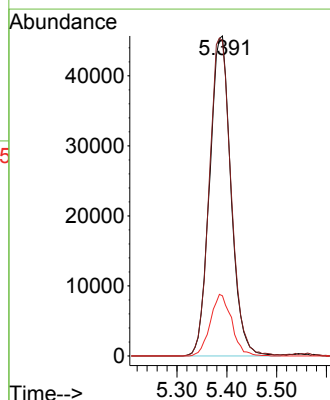
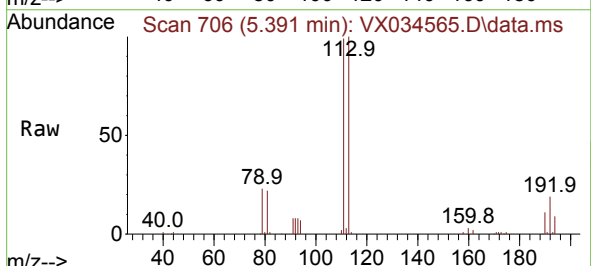
Tgt Ion:113 Resp: 135347

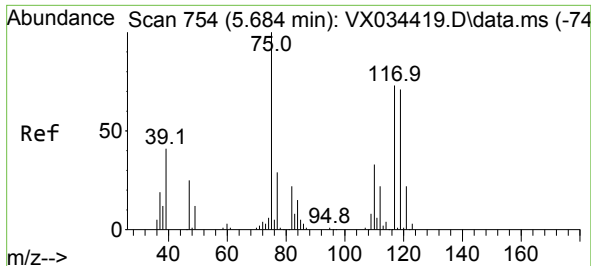
Ion Ratio Lower Upper

113 100

111 101.4 83.7 125.5

192 19.4 15.4 23.2

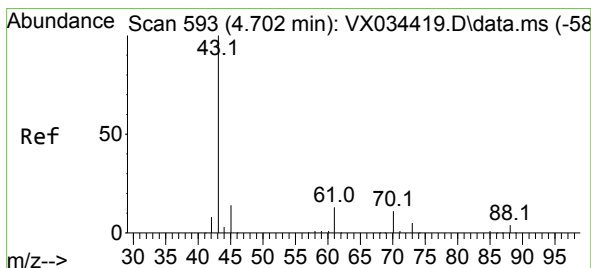
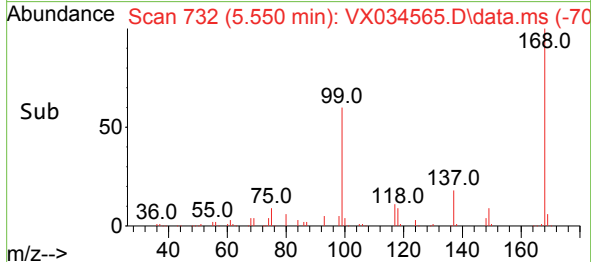
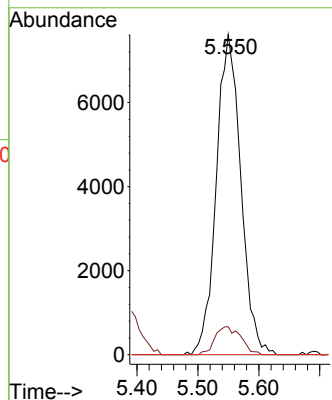
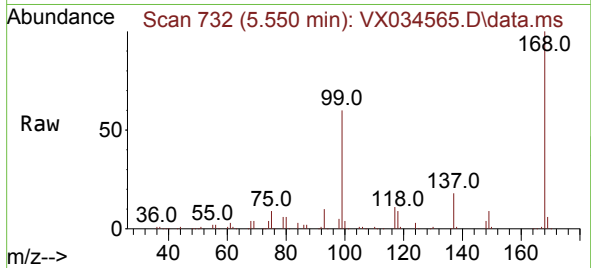




#36
1,1-Dichloropropene
Concen: 4.910 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

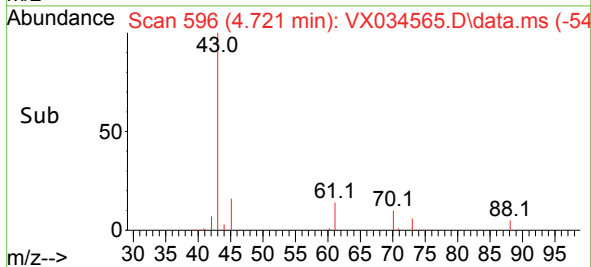
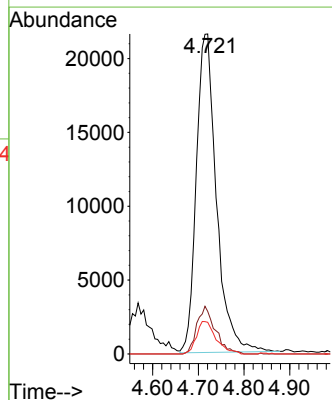
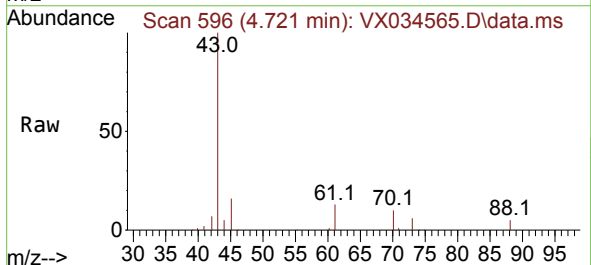
Instrument :
MSVOA_X
ClientSampleId :
33956

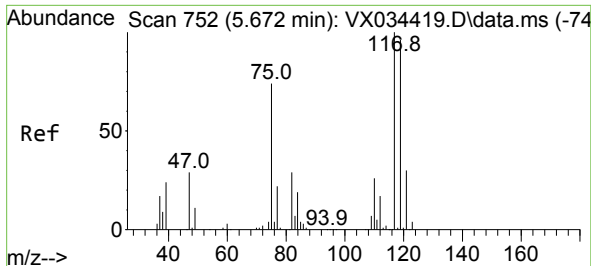
Tgt Ion: 75 Resp: 21290
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 13.940 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

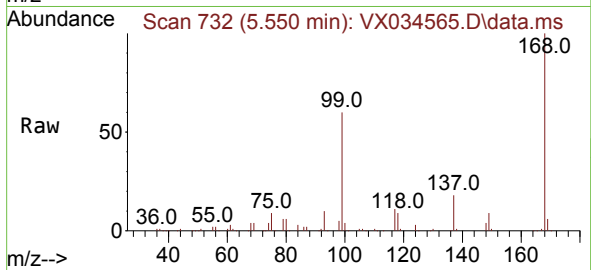
Tgt Ion: 43 Resp: 66036
Ion Ratio Lower Upper
43 100
61 13.8 10.2 15.4
70 9.9 8.2 12.4



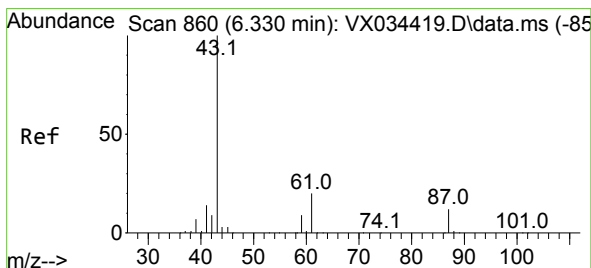
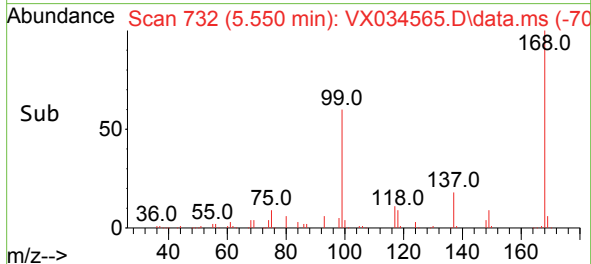
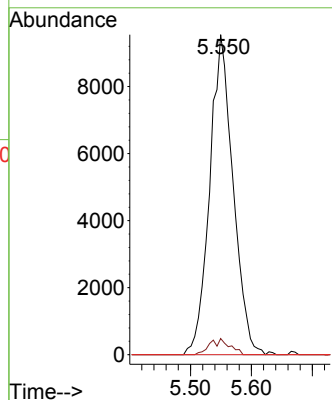


#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Instrument :
MSVOA_X
ClientSampleId :
33956

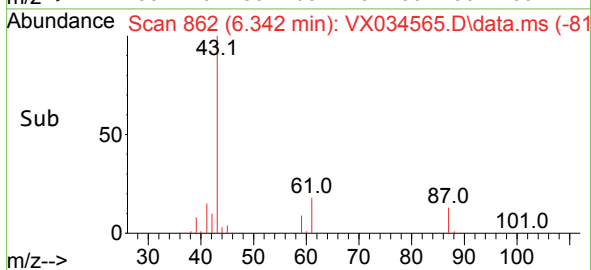
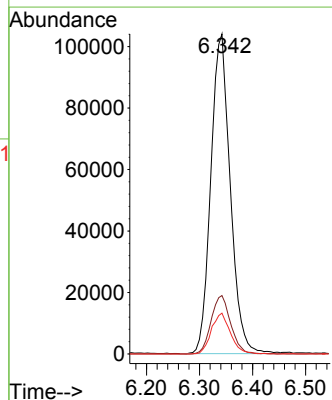
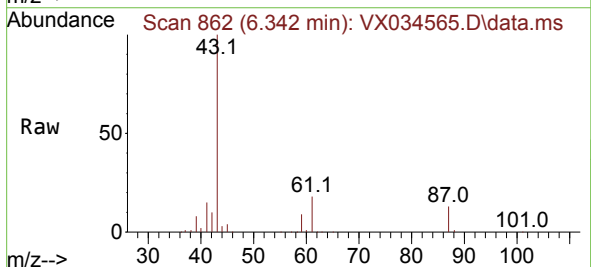


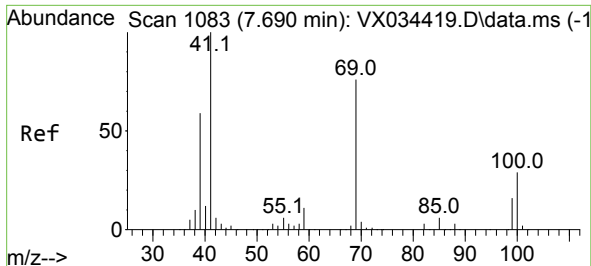
Tgt Ion:117 Resp: 25486
Ion Ratio Lower Upper
117 100
119 5.0 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 33.023 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 43 Resp: 265010
Ion Ratio Lower Upper
43 100
61 18.3 15.2 22.8
87 12.5 9.8 14.8





#48

Methyl methacrylate

Concen: 57.525 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX034565.D

Acq: 17 Mar 2023 05:38

Instrument :

MSVOA_X

ClientSampleId :

33956

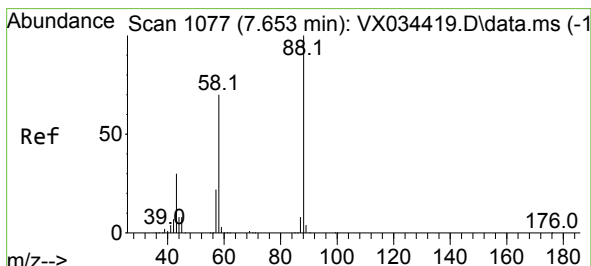
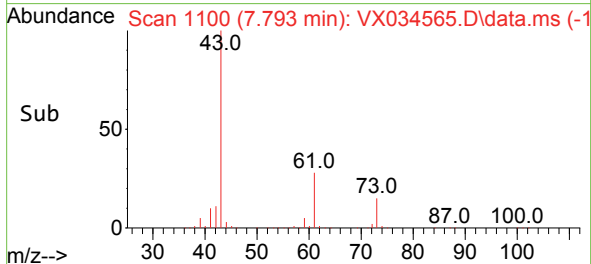
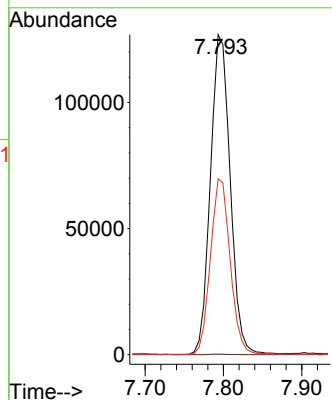
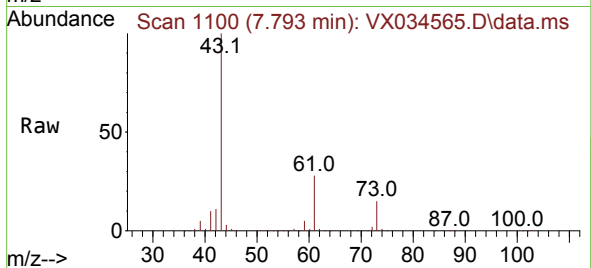
Tgt Ion: 41 Resp: 222020

Ion Ratio Lower Upper

41 100

69 0.1 62.2 93.4#

39 55.1 47.7 71.5



#49

1,4-Dioxane

Concen: 1.073 ug/l

RT: 7.635 min Scan# 1074

Delta R.T. -0.018 min

Lab File: VX034565.D

Acq: 17 Mar 2023 05:38

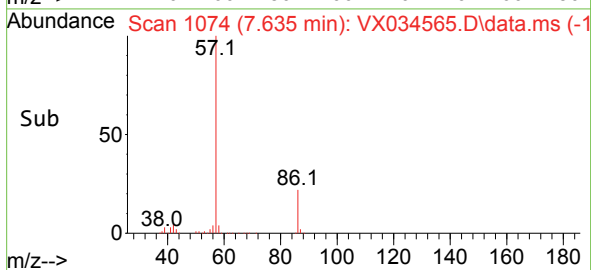
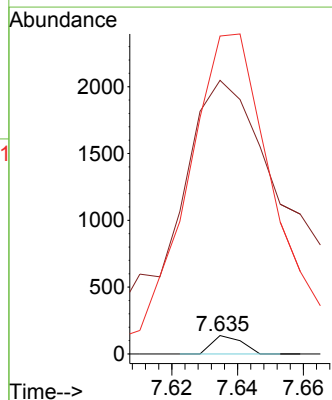
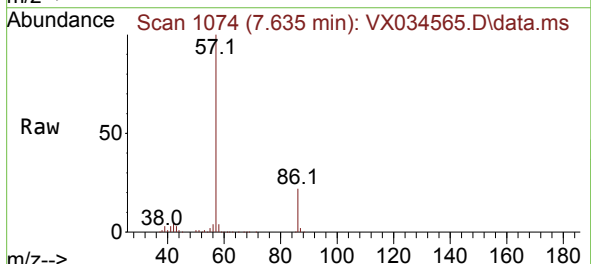
Tgt Ion: 88 Resp: 87

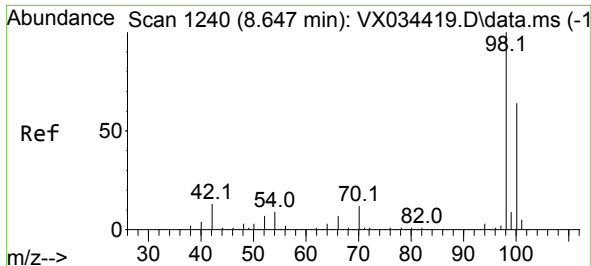
Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 5019.5 56.8 85.2#

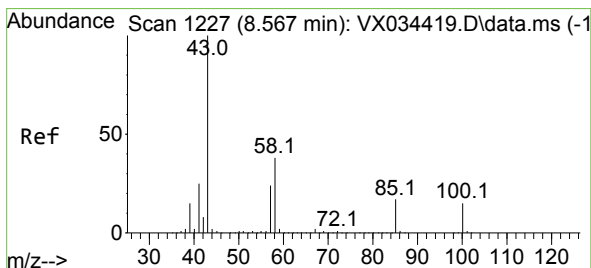
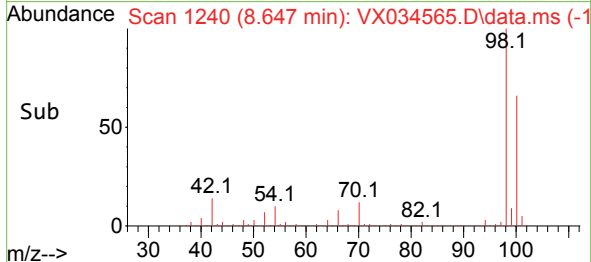
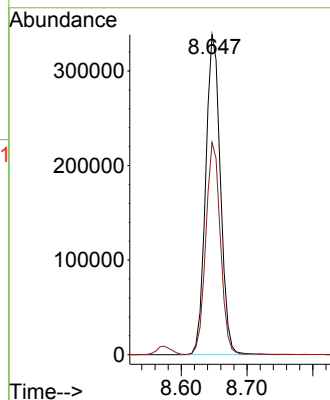
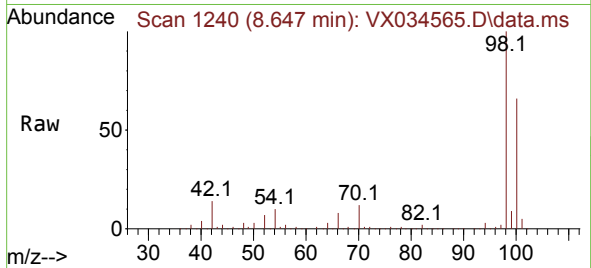




#50
Toluene-d8
Concen: 49.973 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

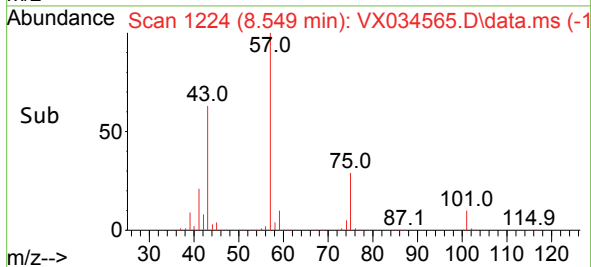
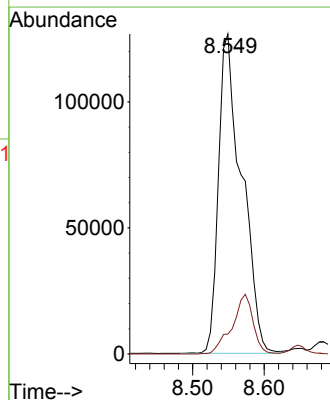
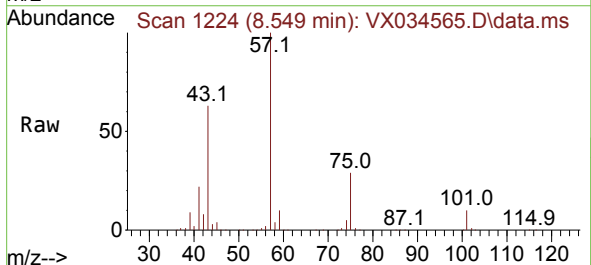
Instrument :
MSVOA_X
ClientSampleId :
33956

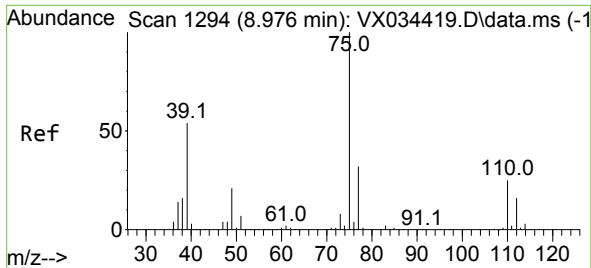
Tgt Ion: 98 Resp: 526654
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 61.424 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 43 Resp: 285949
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#

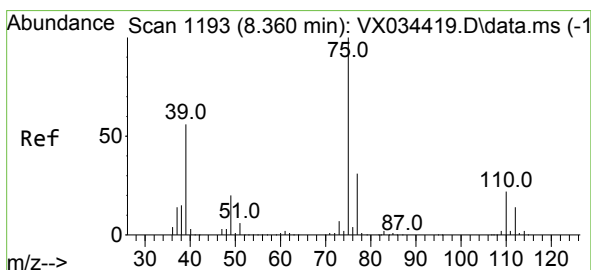
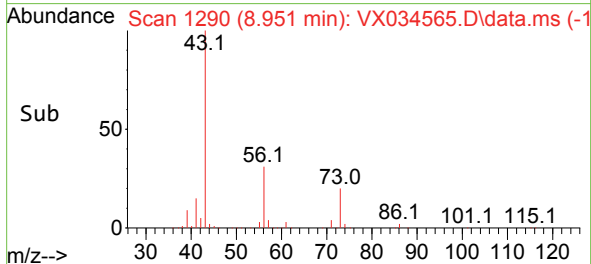
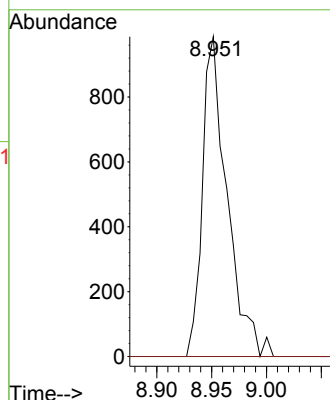
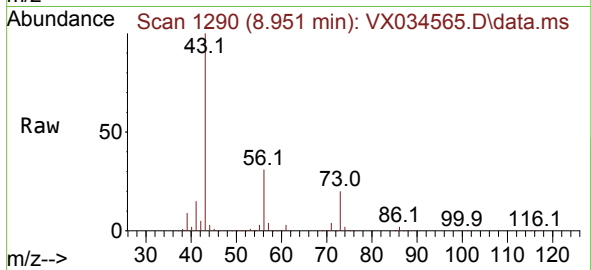




#53
t-1,3-Dichloropropene
Concen: 0.314 ug/l
RT: 8.951 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

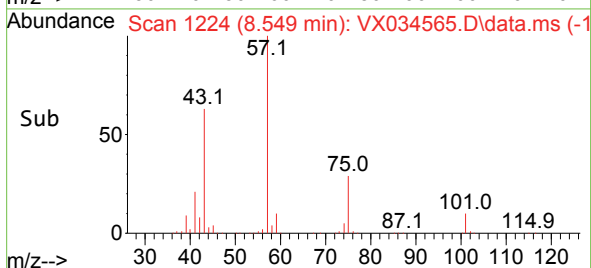
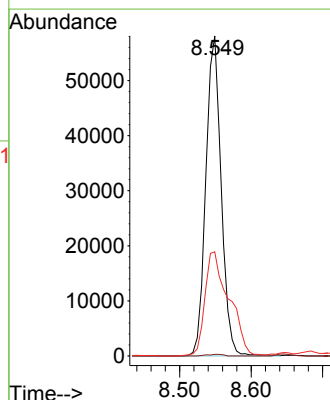
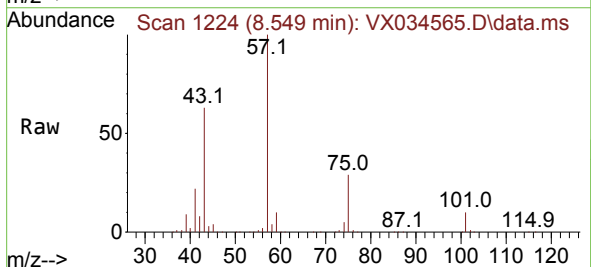
Instrument :
MSVOA_X
ClientSampleId :
33956

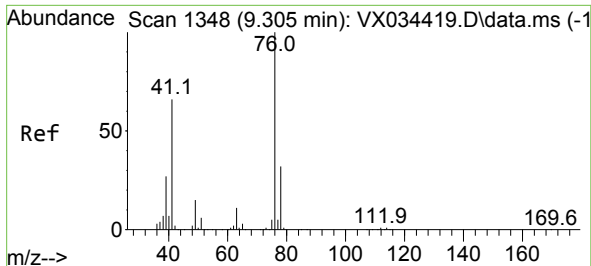
Tgt Ion: 75 Resp: 1544
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 16.302 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 75 Resp: 86589
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 32.4 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.953 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034565.D

Acq: 17 Mar 2023 05:38

Instrument :

MSVOA_X

ClientSampleId :

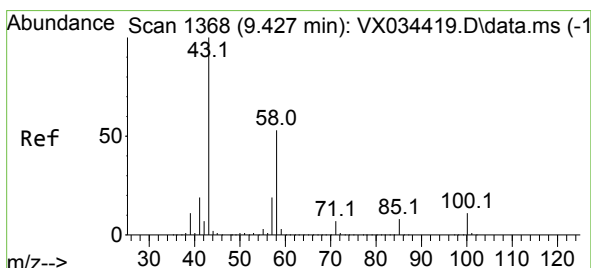
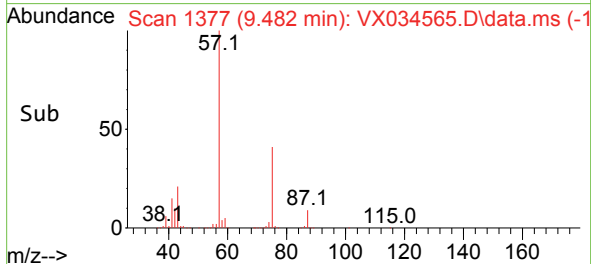
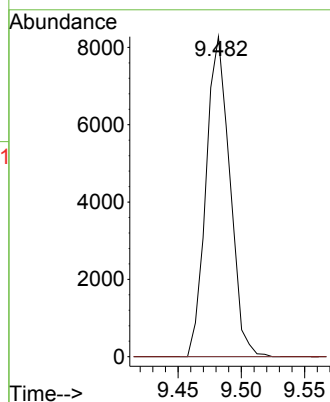
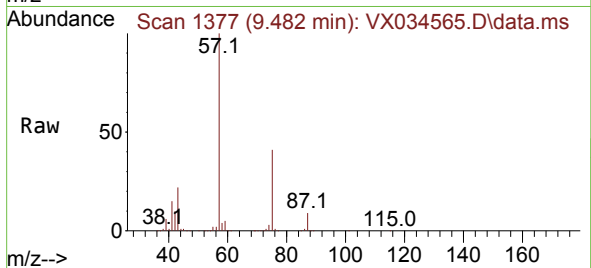
33956

Tgt Ion: 76 Resp: 10817

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 43.777 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034565.D

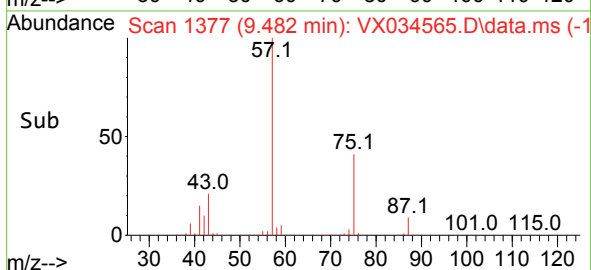
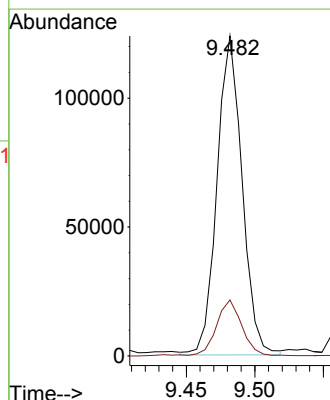
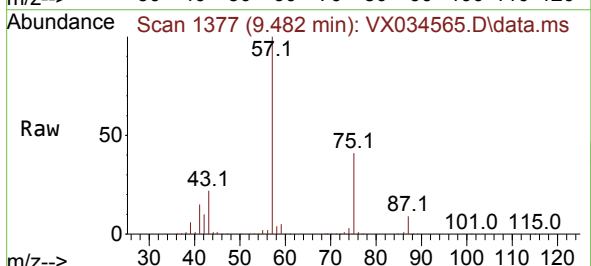
Acq: 17 Mar 2023 05:38

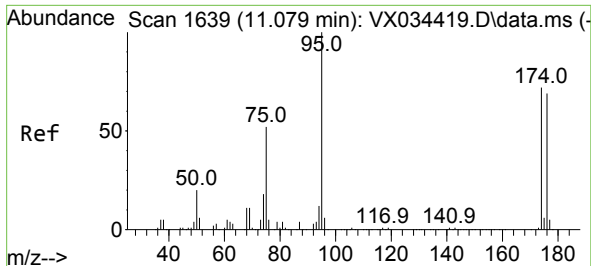
Tgt Ion: 43 Resp: 157539

Ion Ratio Lower Upper

43 100

58 17.6 26.3 78.9#

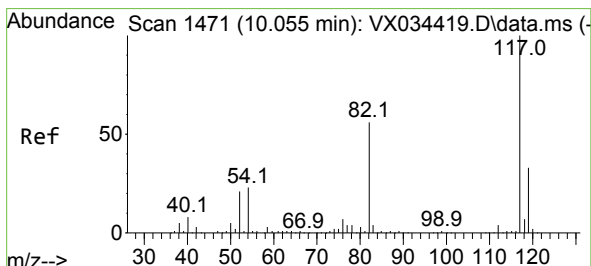
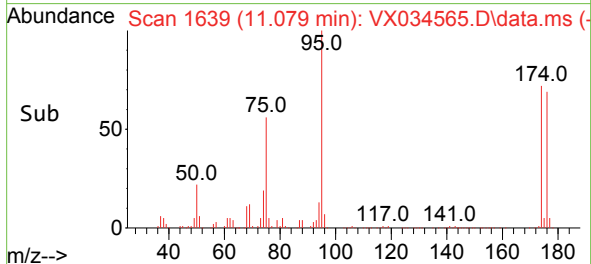
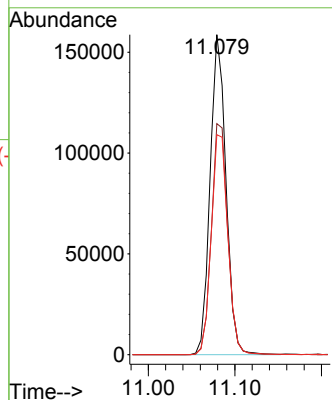
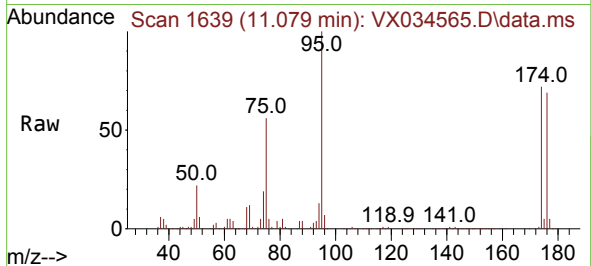




#62
4-Bromofluorobenzene
Concen: 47.335 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

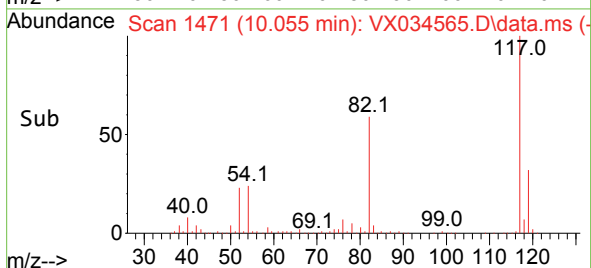
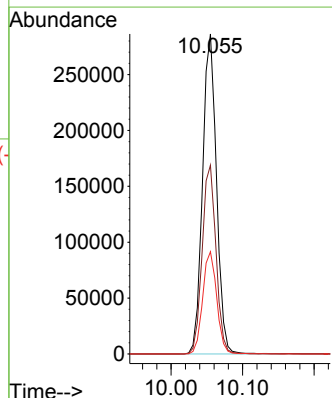
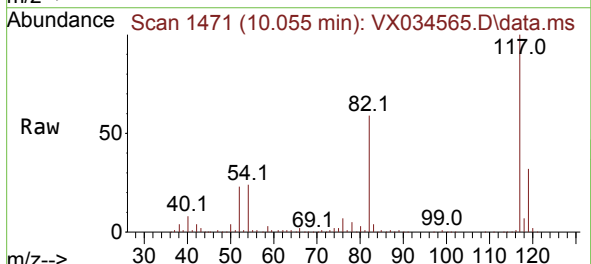
Instrument :
MSVOA_X
ClientSampleId :
33956

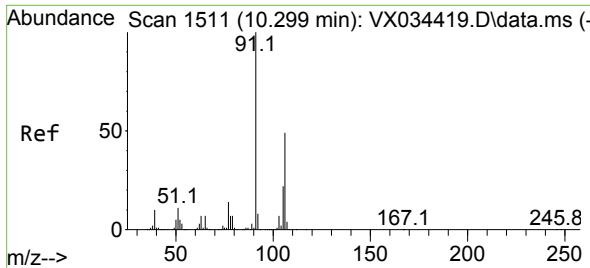
Tgt Ion: 95 Resp: 201498
Ion Ratio Lower Upper
95 100
174 74.4 0.0 147.4
176 72.3 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 117 Resp: 386925
Ion Ratio Lower Upper
117 100
82 59.0 45.0 67.4
119 31.9 26.0 39.0

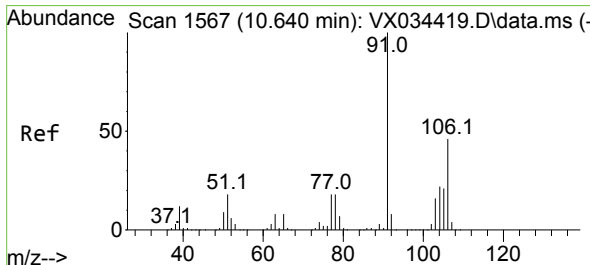
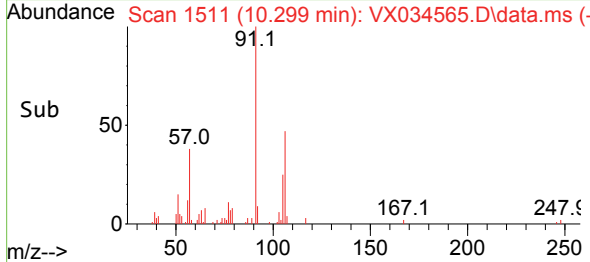
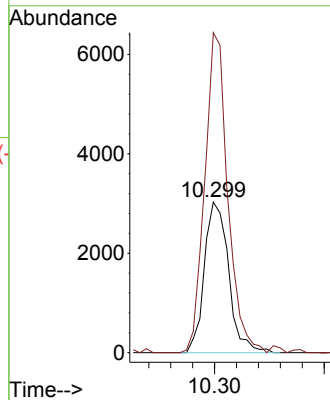
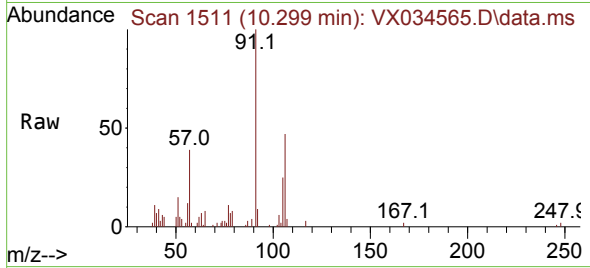




#68
m/p-Xylenes
Concen: 0.798 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

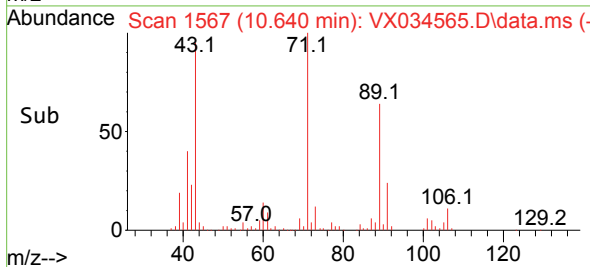
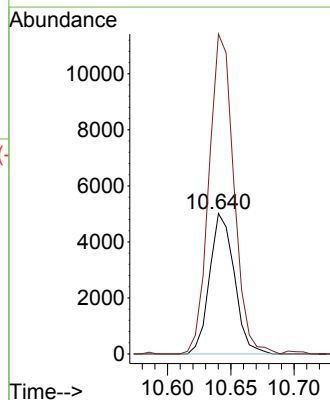
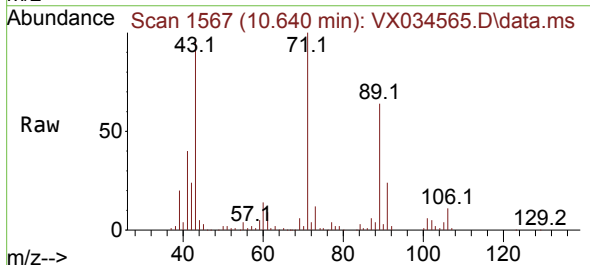
Instrument :
MSVOA_X
ClientSampleId :
33956

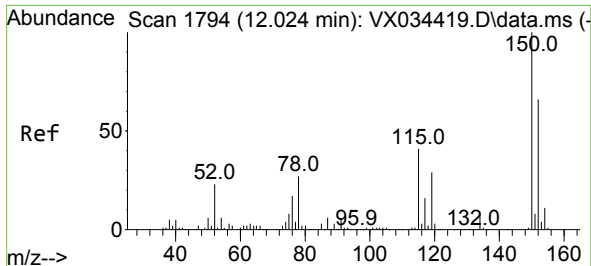
Tgt Ion:106 Resp: 4658
Ion Ratio Lower Upper
106 100
91 201.2 164.0 246.0



#69
o-Xylene
Concen: 1.162 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

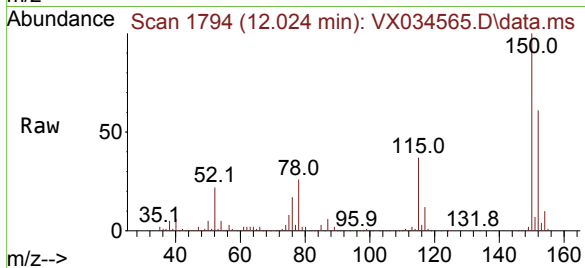
Tgt Ion:106 Resp: 6810
Ion Ratio Lower Upper
106 100
91 229.9 108.5 325.3



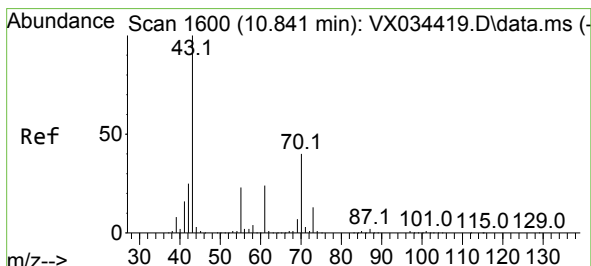
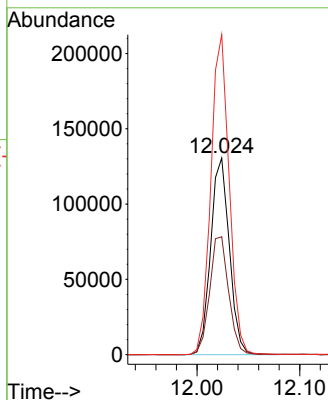
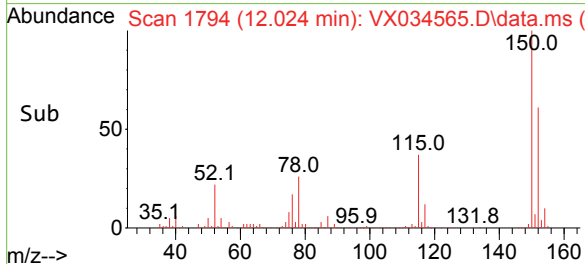


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

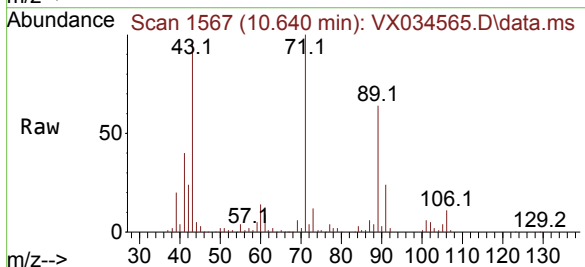
Instrument :
MSVOA_X
ClientSampleId :
33956



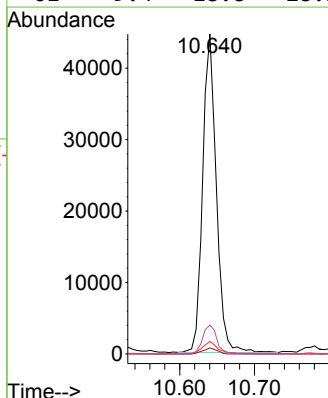
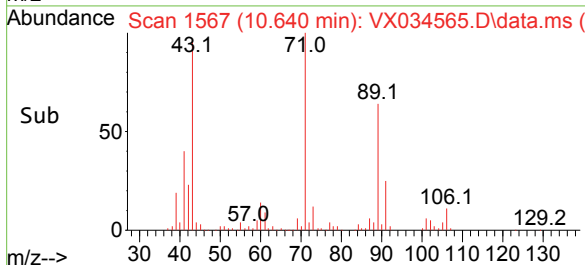
Tgt Ion:152 Resp: 164679
Ion Ratio Lower Upper
152 100
115 61.3 45.0 135.0
150 159.9 0.0 352.4

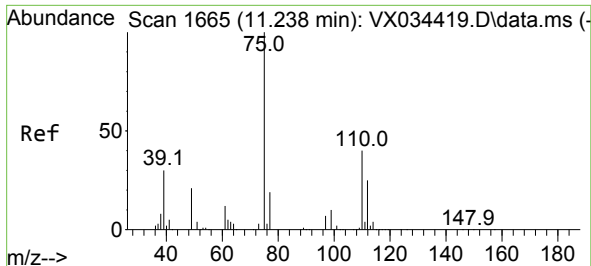


#74
N-ethyl acetate
Concen: 9.269 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38



Tgt Ion: 43 Resp: 56505
Ion Ratio Lower Upper
43 100
70 1.9 32.1 48.1#
55 4.5 18.3 27.5#
61 9.4 18.8 28.2#

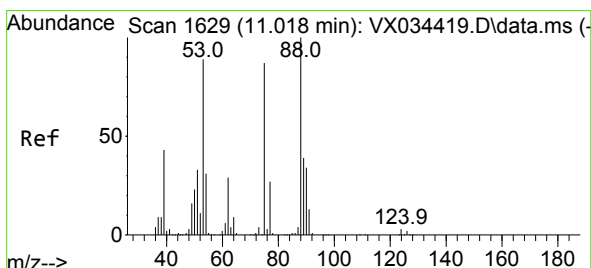
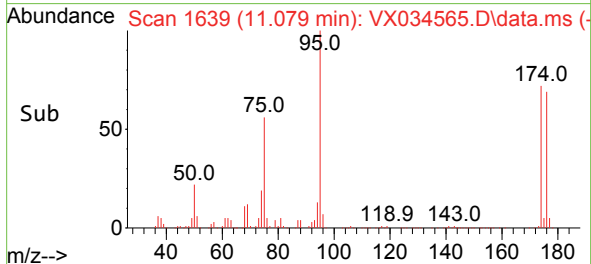
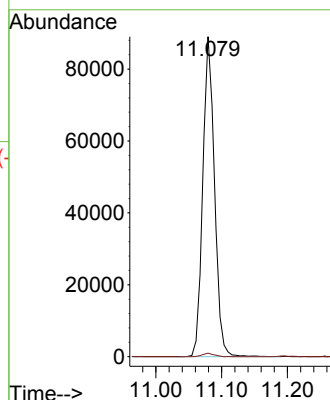
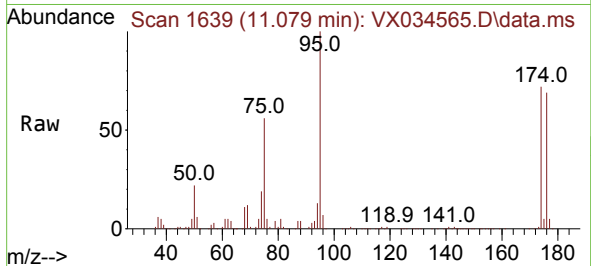




#76
1,2,3-Trichloropropane
Concen: 29.177 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

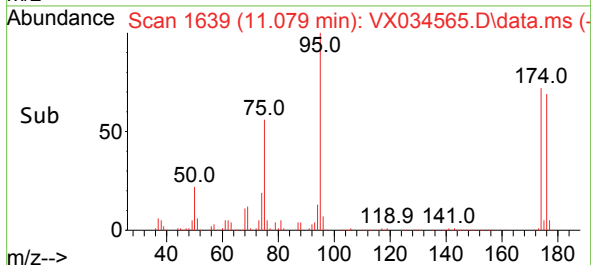
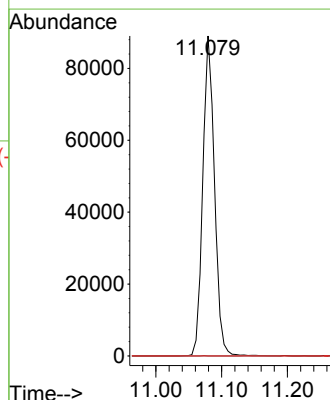
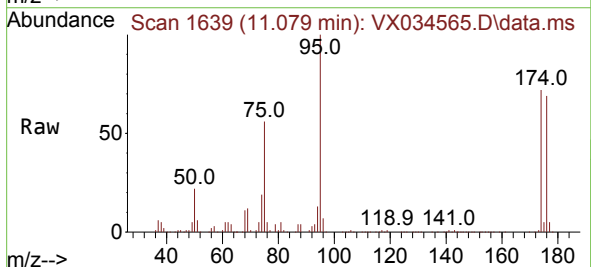
Instrument :
MSVOA_X
ClientSampleId :
33956

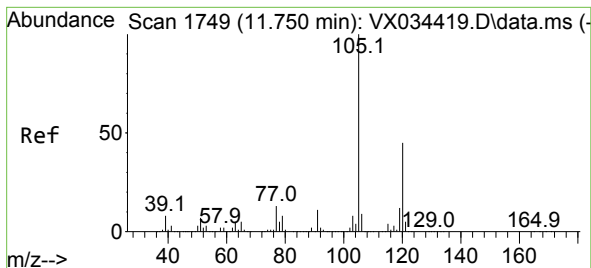
Tgt Ion: 75 Resp: 110323
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.931 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034565.D
Acq: 17 Mar 2023 05:38

Tgt Ion: 75 Resp: 110323
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: 0.908 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX034565.D

Acq: 17 Mar 2023 05:38

Instrument :

MSVOA_X

ClientSampleId :

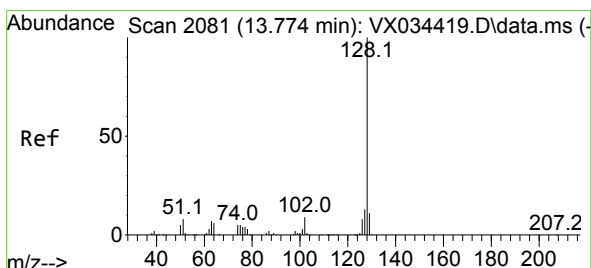
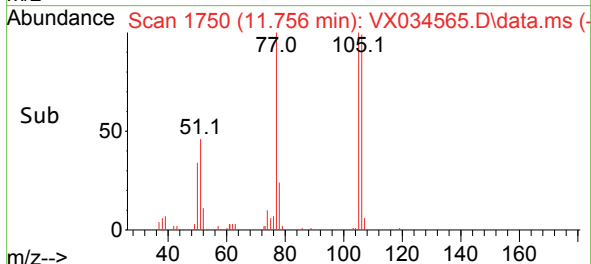
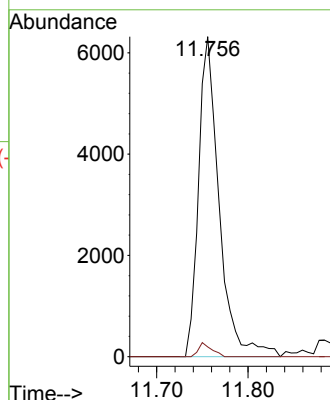
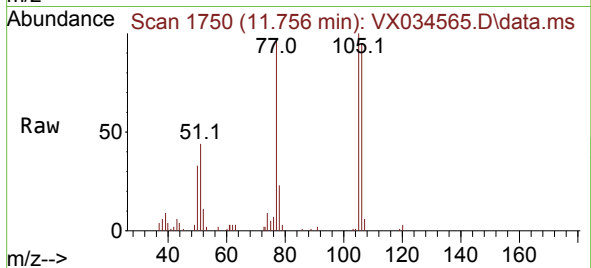
33956

Tgt Ion:105 Resp: 9911

Ion Ratio Lower Upper

105 100

120 2.8 22.4 67.0#



#95

Naphthalene

Concen: 0.424 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX034565.D

Acq: 17 Mar 2023 05:38

Tgt Ion:128 Resp: 5137

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.0 8.6 13.0

