

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080521\
 Data File : VX023577.D
 Acq On : 05 Aug 2021 17:00
 Operator : JC/MD
 Sample : M3298-08 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ANTIFREEZE

Quant Time: Aug 06 03:24:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

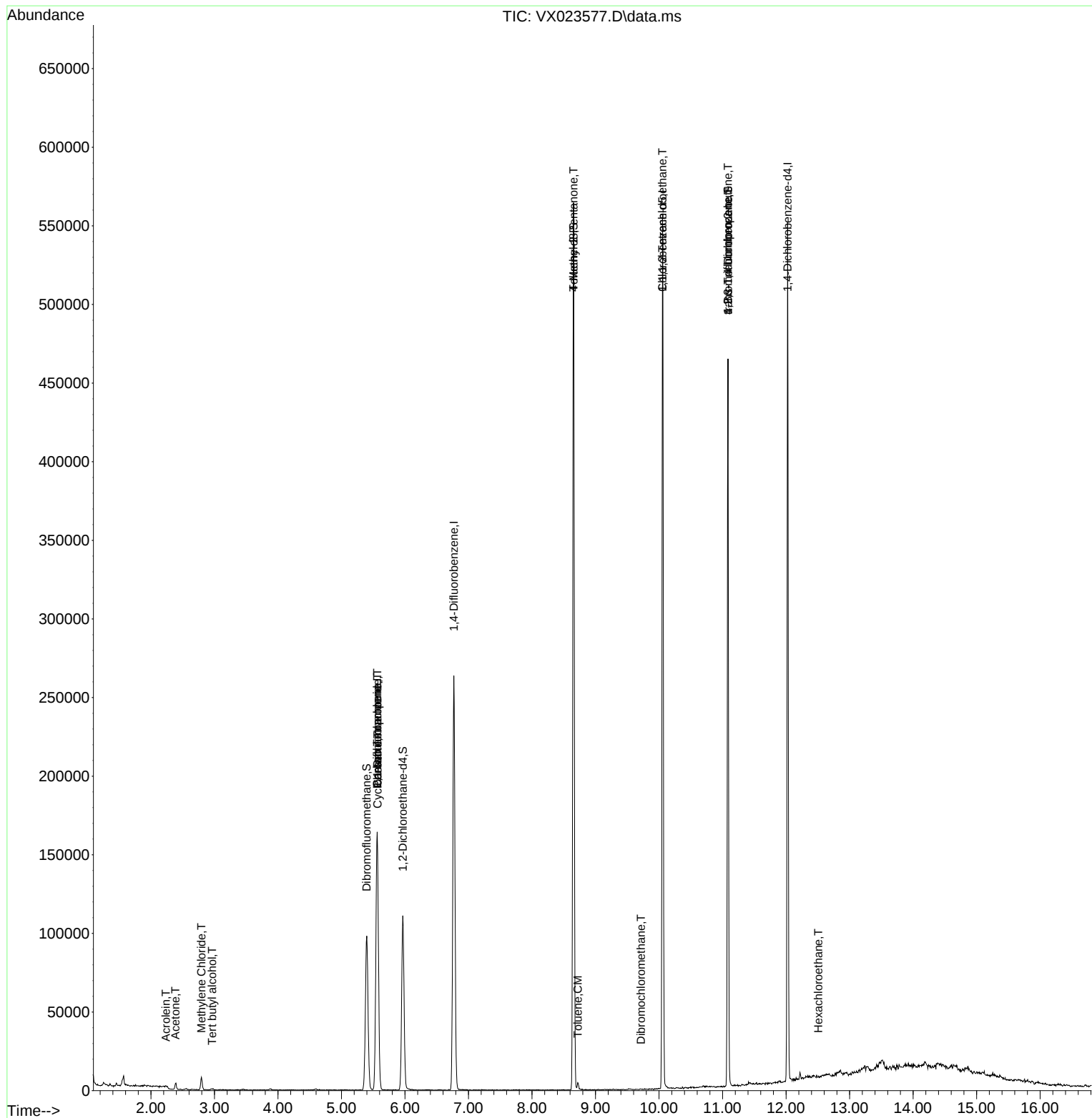
Internal Standards						
1) Pentafluorobenzene	5.562	168	155086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	264240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105152	54.354	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.700%	
35) Dibromofluoromethane	5.397	113	83100	50.298	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.600%	
50) Toluene-d8	8.653	98	325890	53.688	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.380%	
62) 4-Bromofluorobenzene	11.085	95	114449	55.449	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.900%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	666	1.507	ug/l #	73
13) Acrolein	2.233	56	89	1.758	ug/l #	14
16) Acetone	2.386	43	4538	4.782	ug/l	90
20) Methylene Chloride	2.794	84	3321	1.799	ug/l	93
31) Cyclohexane	5.568	56	3529	1.231	ug/l #	11
36) 1,1-Dichloropropene	5.562	75	12054	5.043	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15854	6.522	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	1653	0.579	ug/l #	1
52) Toluene	8.720	92	1484	0.338	ug/l	90
60) Dibromochloromethane	9.714	129	26	1.996	ug/l #	11
66) 1,1,1,2-Tetrachloroethane	10.055	131	60	1.005	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	60792	25.893	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60792	69.624	ug/l #	12
90) Hexachloroethane	12.506	117	74	1.958	ug/l	60

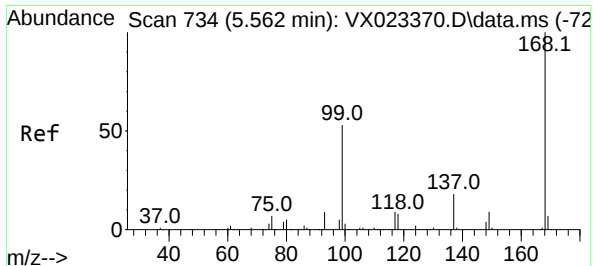
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 06 03:24:27 2021
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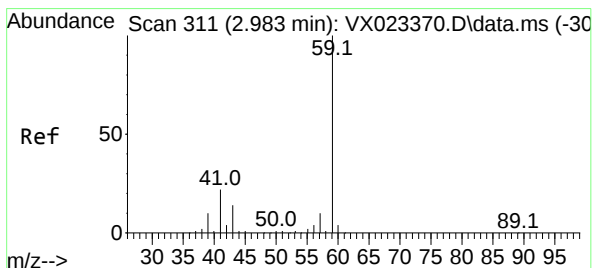
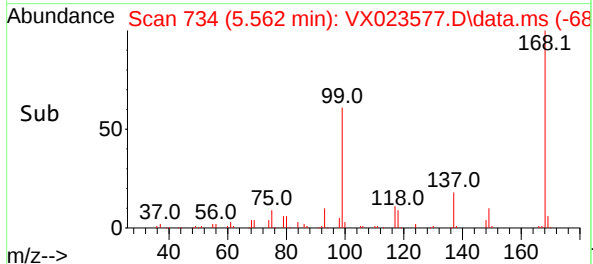
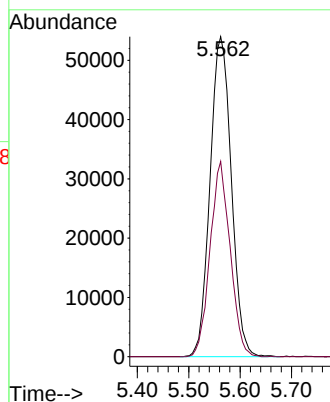
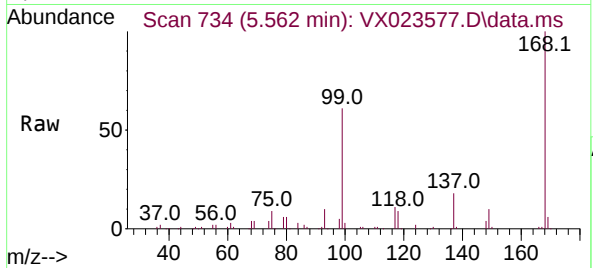




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

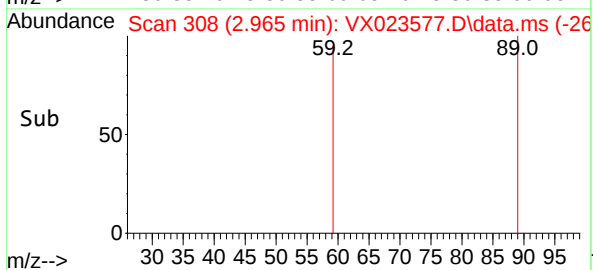
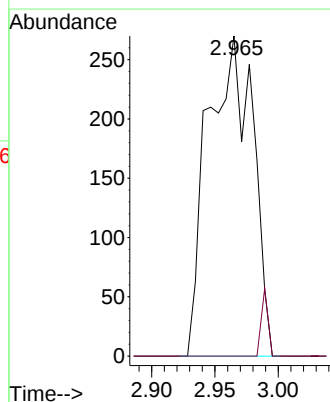
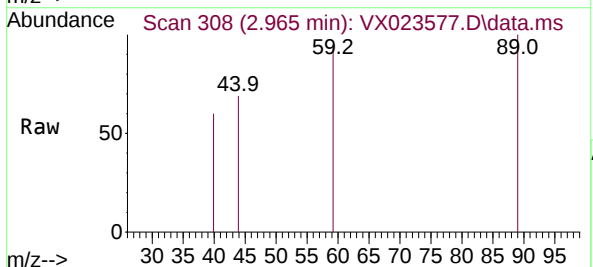
Instrument :
MSVOA_X
ClientSampleId :
ANTIFREEZE

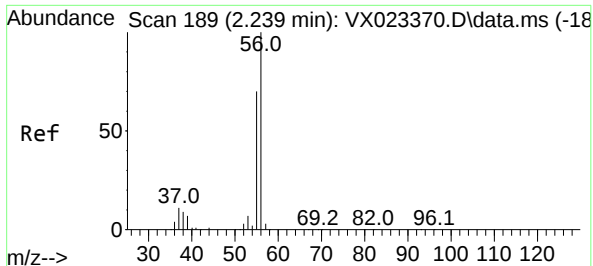
Tgt Ion:168 Resp: 155086
Ion Ratio Lower Upper
168 100
99 61.0 45.8 68.6



#11
Tert butyl alcohol
Concen: 1.507 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

Tgt Ion: 59 Resp: 666
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

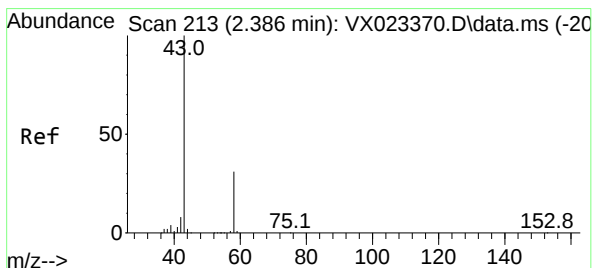
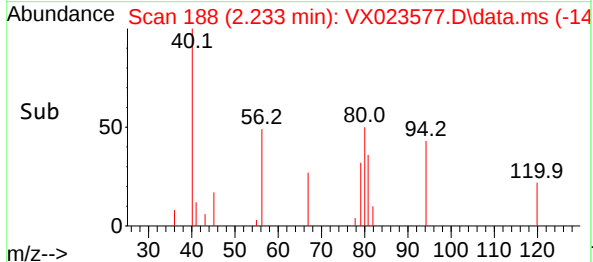
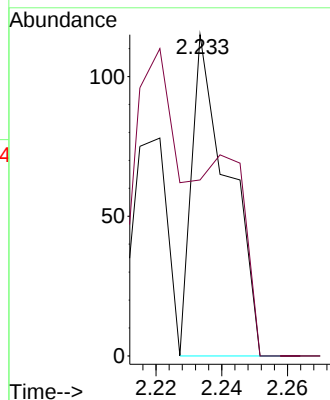
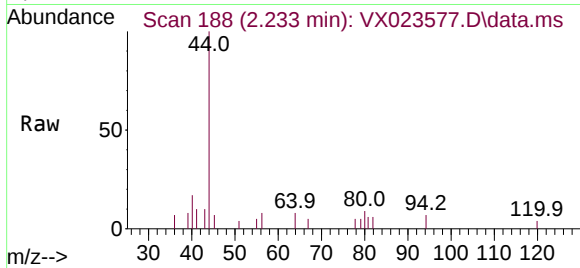




#13
Acrolein
Concen: 1.758 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

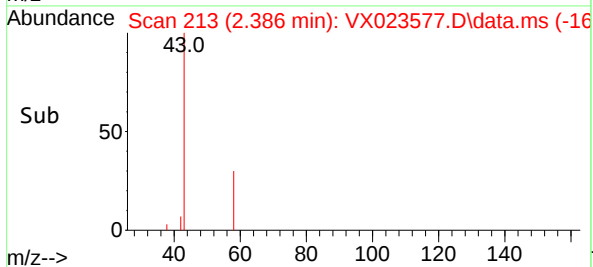
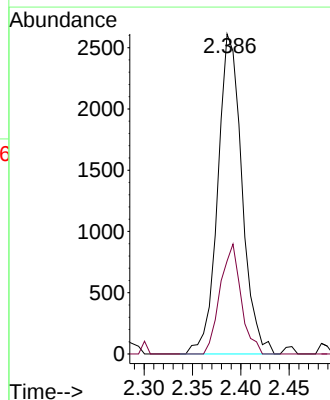
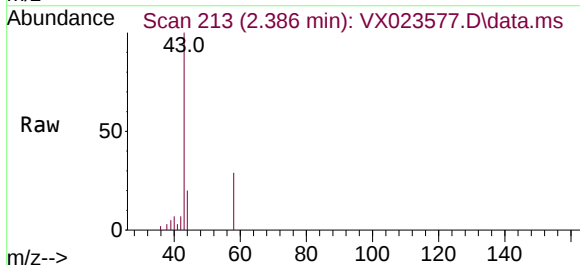
Instrument :
MSVOA_X
ClientSampleId :
ANTIFREEZE

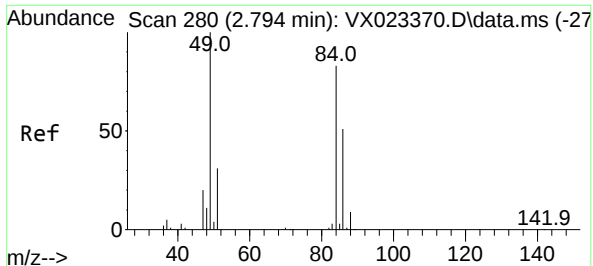
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 4.782 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

Tgt Ion: 43 Resp: 4538
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8

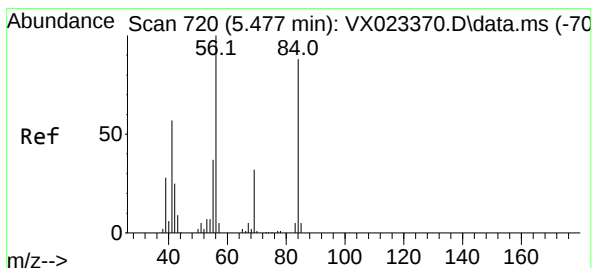
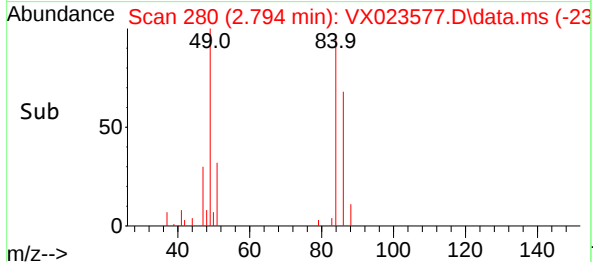
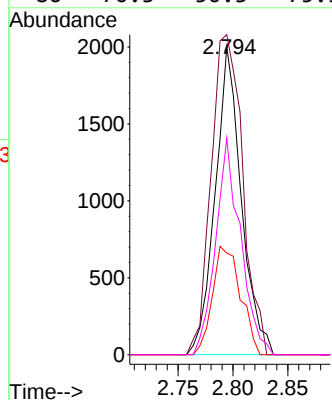
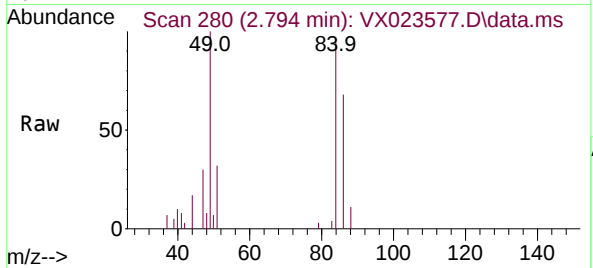




#20
Methylene Chloride
Concen: 1.799 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

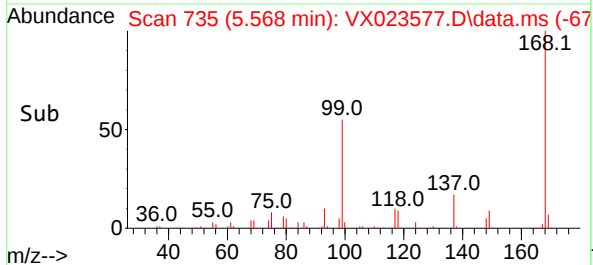
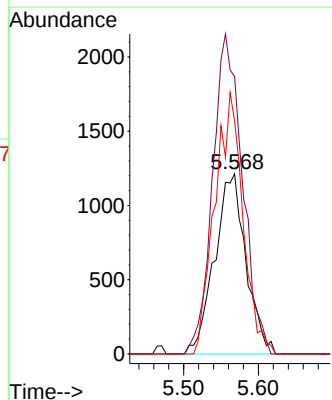
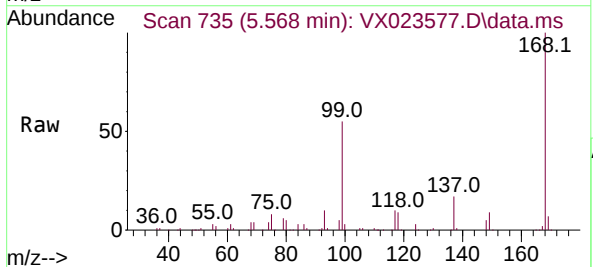
Instrument :
MSVOA_X
ClientSampleId :
ANTIFREEZE

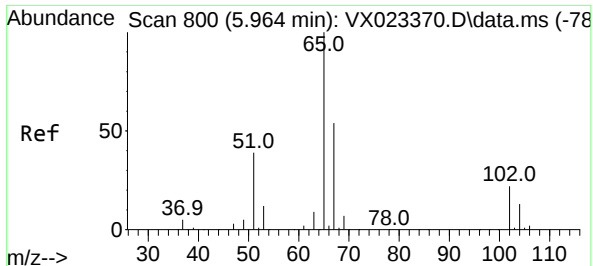
Tgt Ion:	84	Resp:	3321
Ion	Ratio	Lower	Upper
84	100		
49	103.9	88.6	132.8
51	33.0	27.0	40.6
86	70.3	50.3	75.5



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

Tgt Ion:	56	Resp:	3529
Ion	Ratio	Lower	Upper
56	100		
69	154.1	25.3	37.9#
84	129.3	71.4	107.0#

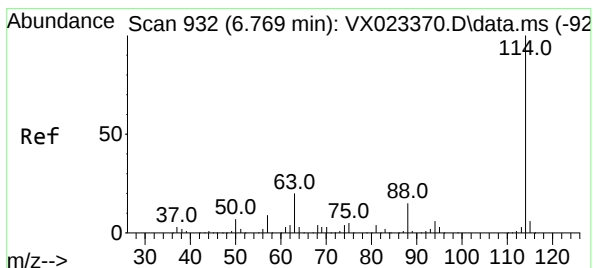
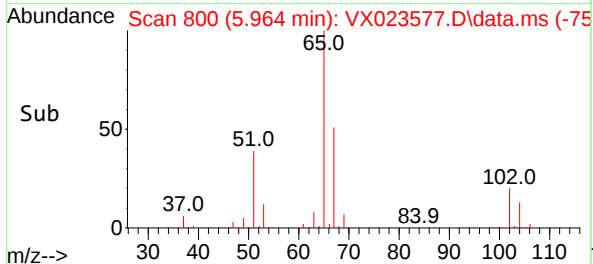
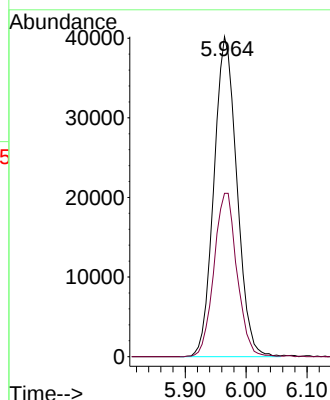
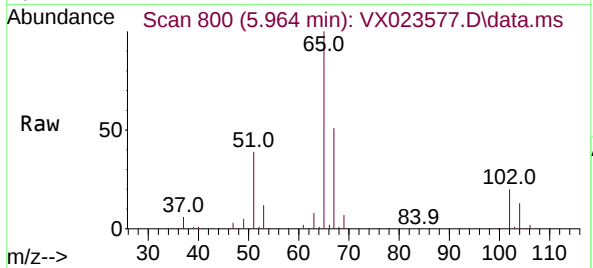




#33
 1,2-Dichloroethane-d4
 Concen: 54.354 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023577.D
 Acq: 05 Aug 2021 17:00

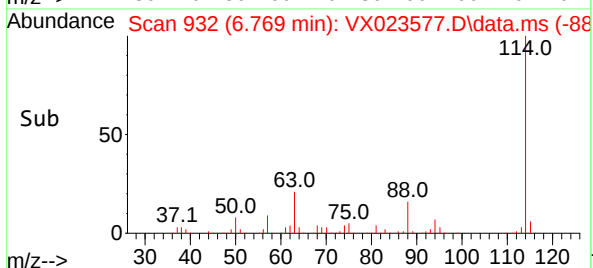
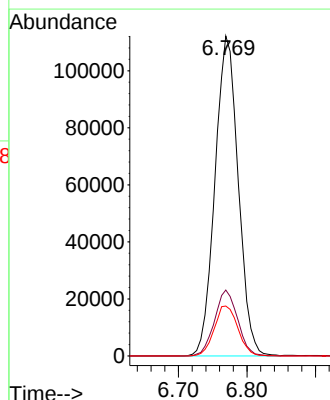
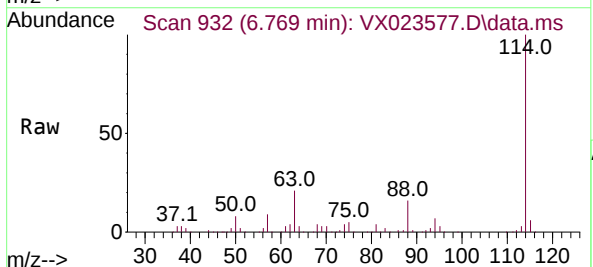
Instrument :
 MSVOA_X
 ClientSampleId :
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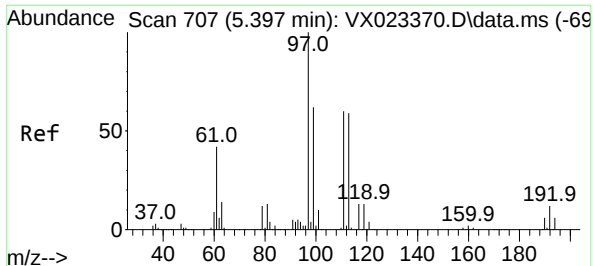
Tgt Ion: 65 Resp: 105152
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023577.D
 Acq: 05 Aug 2021 17:00

Tgt Ion: 114 Resp: 264240
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.298 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023577.D

Acq: 05 Aug 2021 17:00

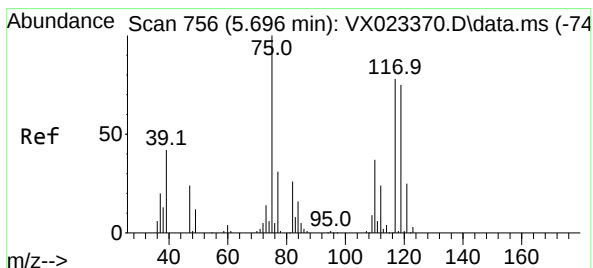
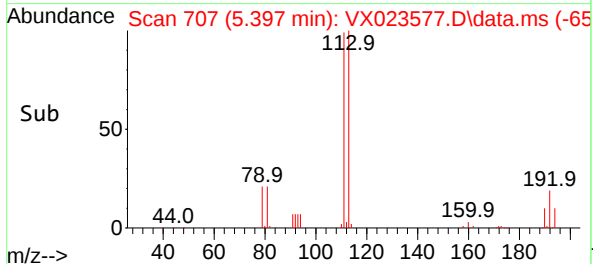
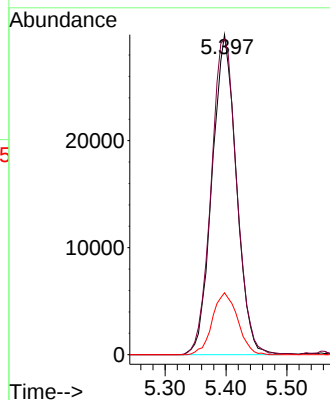
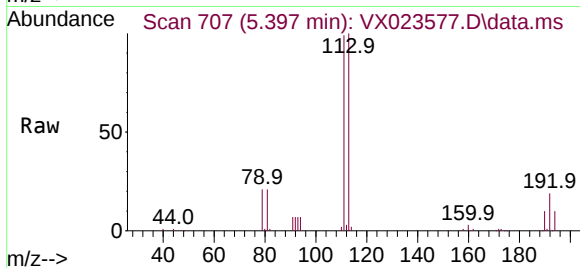
Tgt Ion:113 Resp: 83100

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

192 20.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.043 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023577.D

Acq: 05 Aug 2021 17:00

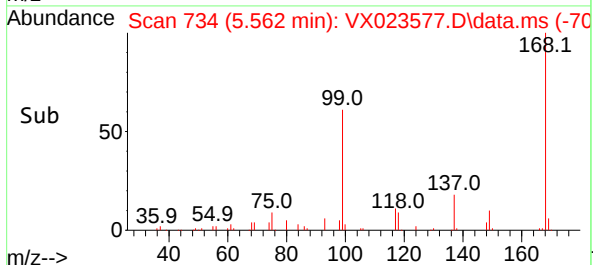
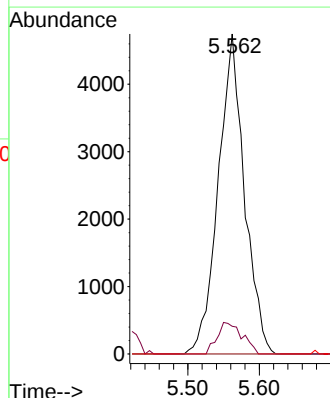
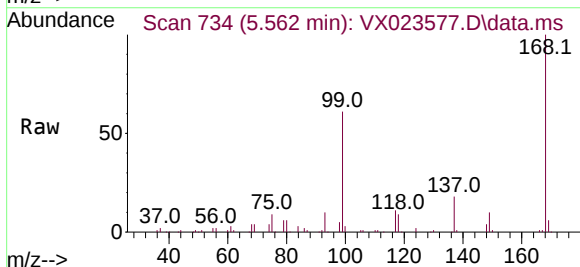
Tgt Ion: 75 Resp: 12054

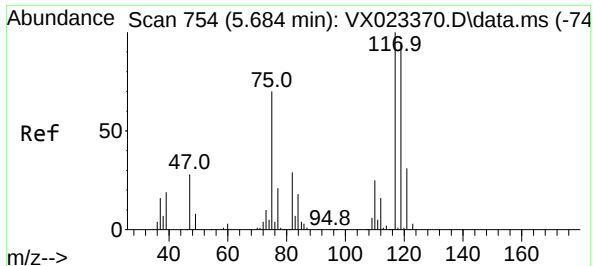
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

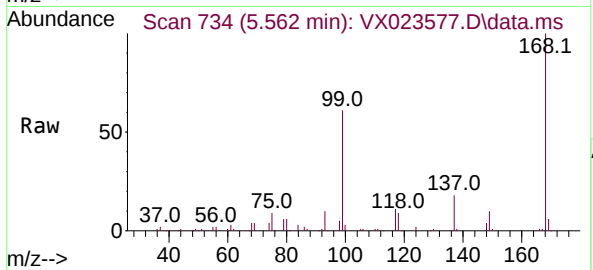
77 0.0 25.3 37.9#



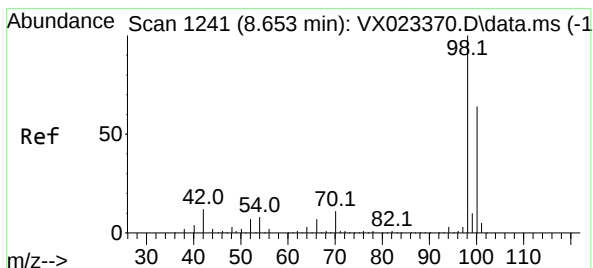
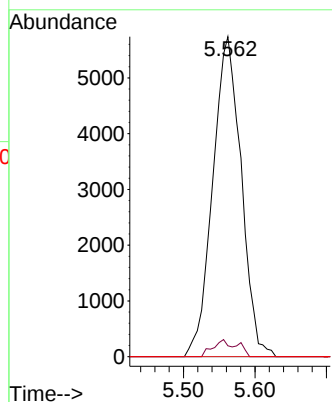
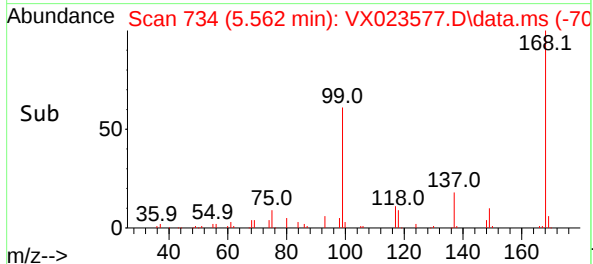


#38
Carbon Tetrachloride
Concen: 6.522 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

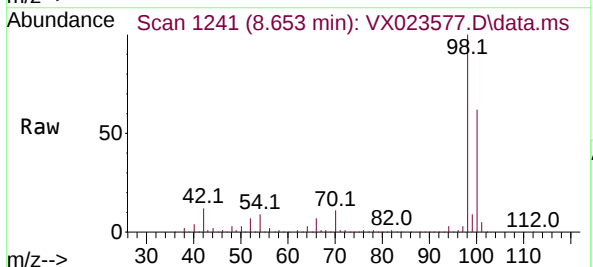
Instrument :
MSVOA_X
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ANTIFREEZE



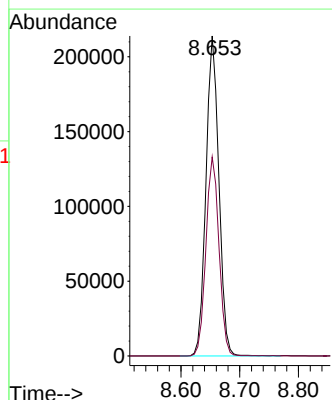
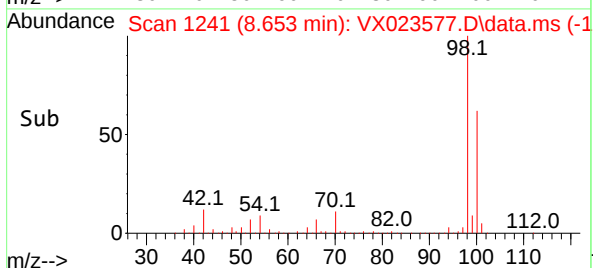
Tgt Ion:117 Resp: 15854
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#

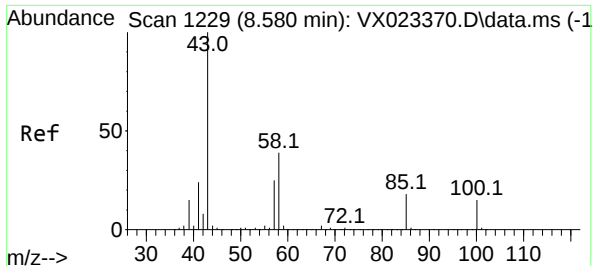


#50
Toluene-d8
Concen: 53.688 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00



Tgt Ion: 98 Resp: 325890
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

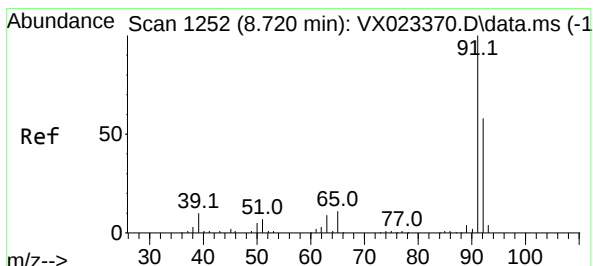
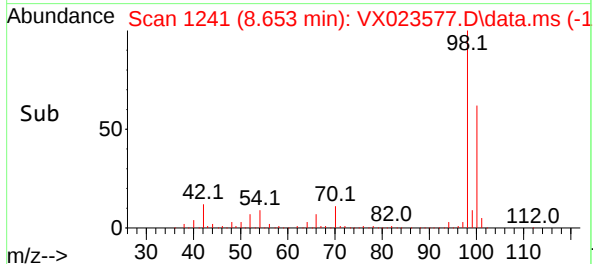
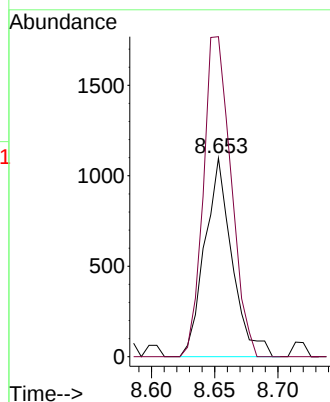
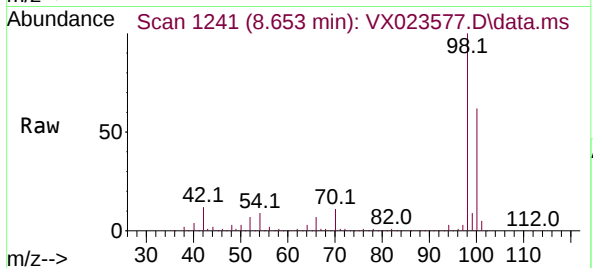




#51
4-Methyl-2-Pentanone
Concen: 0.579 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

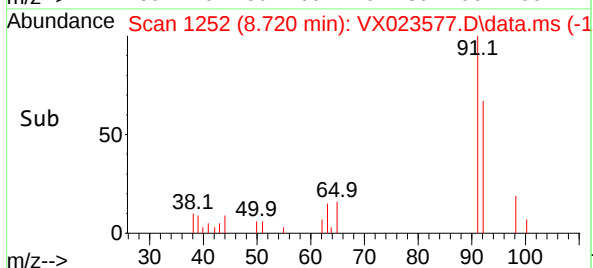
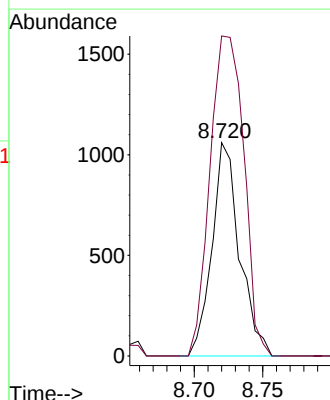
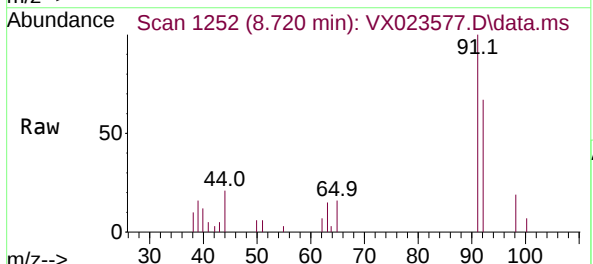
Instrument :
MSVOA_X
ClientSampleId :
ANTIFREEZE

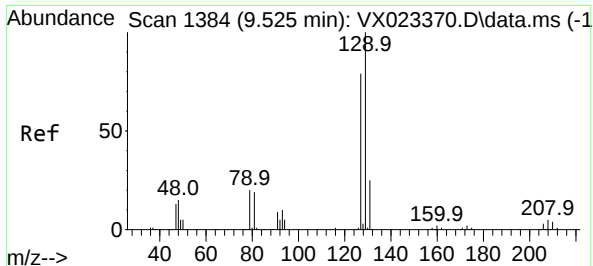
Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
58 163.4 35.4 53.0#



#52
Toluene
Concen: 0.338 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

Tgt Ion: 92 Resp: 1484
Ion Ratio Lower Upper
92 100
91 184.5 137.1 205.7





#60

Dibromochloromethane

Concen: 1.996 ug/l

RT: 9.714 min Scan# 1415

Delta R.T. 0.189 min

Lab File: VX023577.D

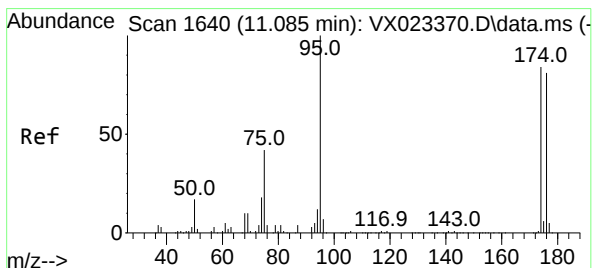
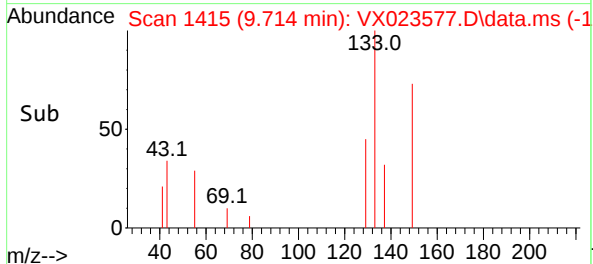
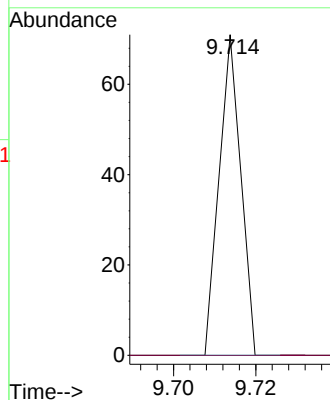
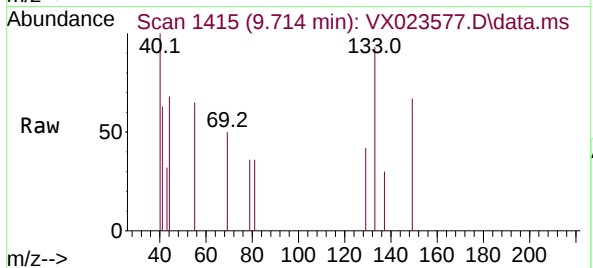
Acq: 05 Aug 2021 17:00

Tgt Ion:129 Resp: 26

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 55.449 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023577.D

Acq: 05 Aug 2021 17:00

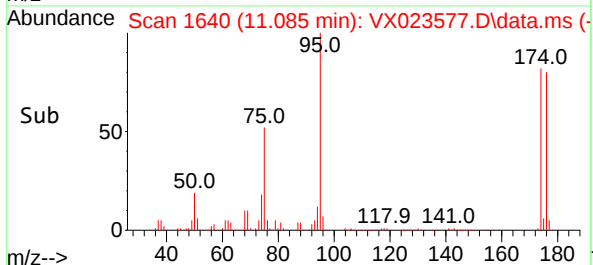
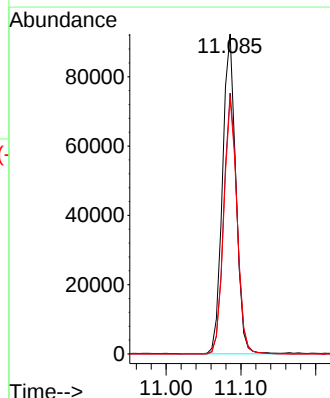
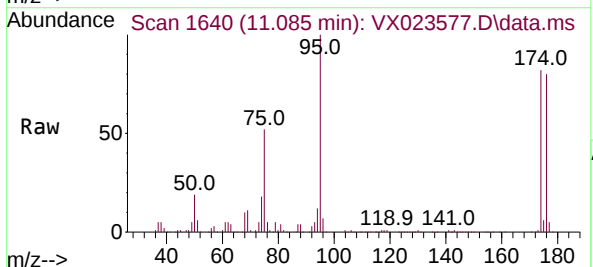
Tgt Ion: 95 Resp: 114449

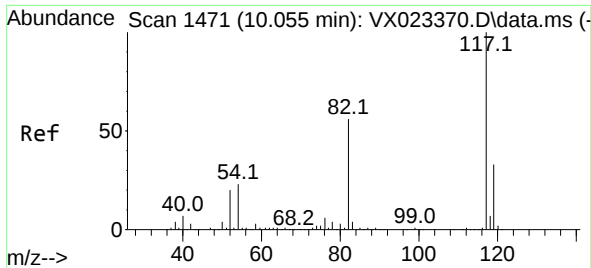
Ion Ratio Lower Upper

95 100

174 81.0 0.0 154.6

176 79.3 0.0 155.8

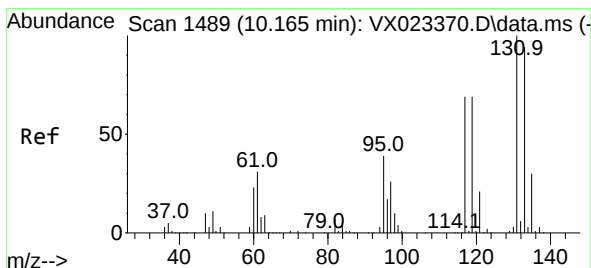
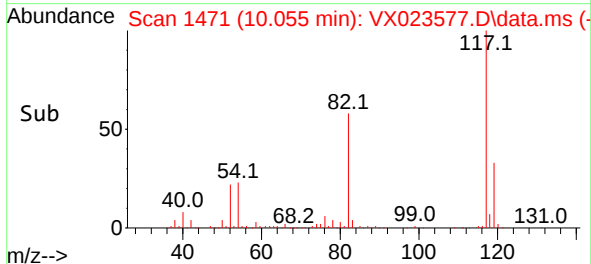
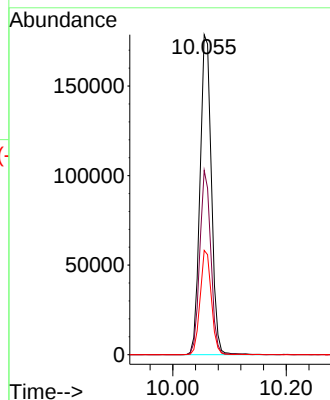
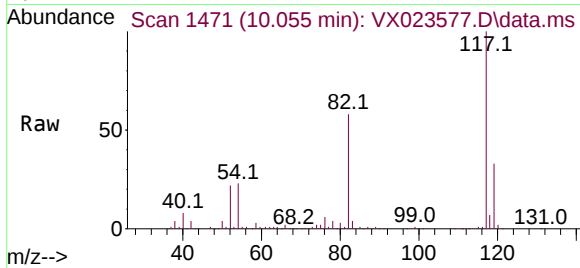




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

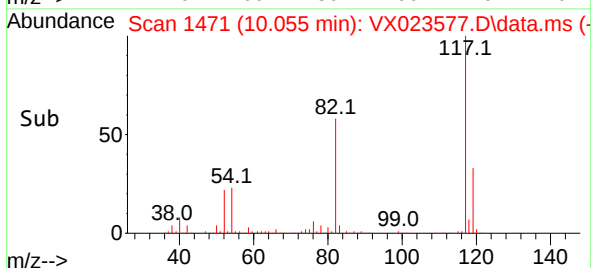
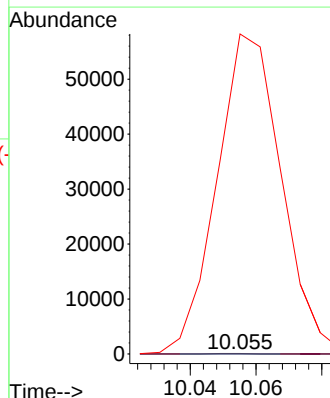
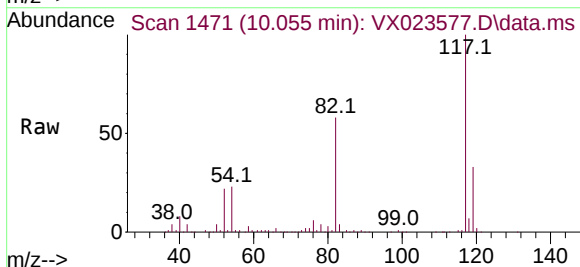
Instrument :
MSVOA_X
ClientSampleId :
ANTIFREEZE

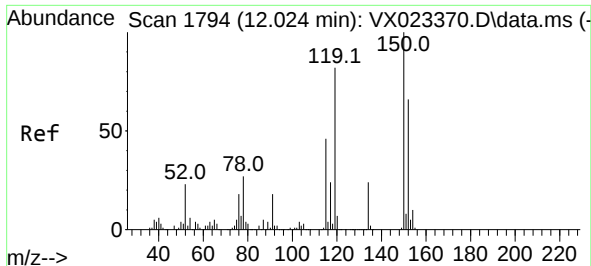
Tgt Ion:117 Resp: 248244
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 32.6 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.005 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.110 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

Tgt Ion:131 Resp: 60
Ion Ratio Lower Upper
131 100
133 0.0 47.7 143.1#
119 132753.3 32.1 96.5#

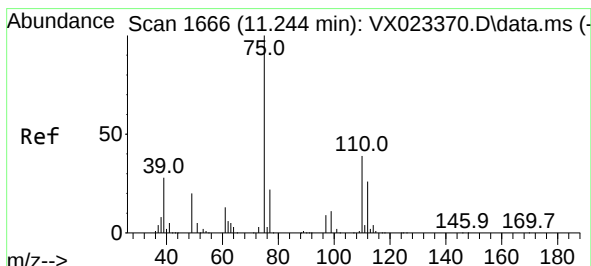
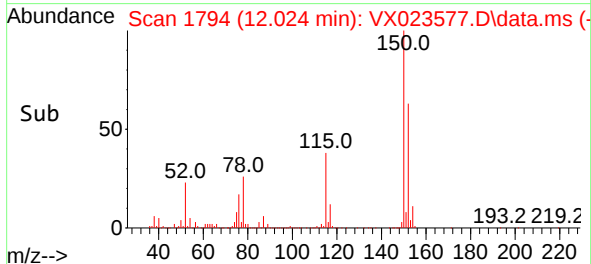
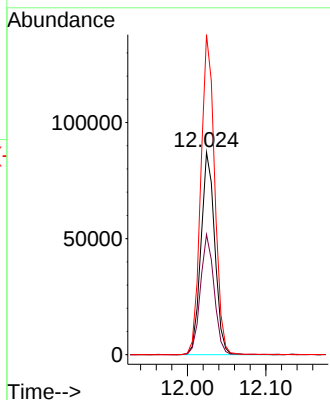
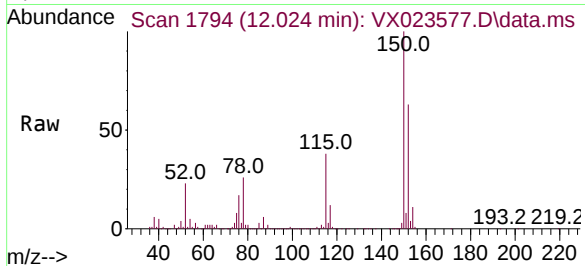




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023577.D
 Acq: 05 Aug 2021 17:00

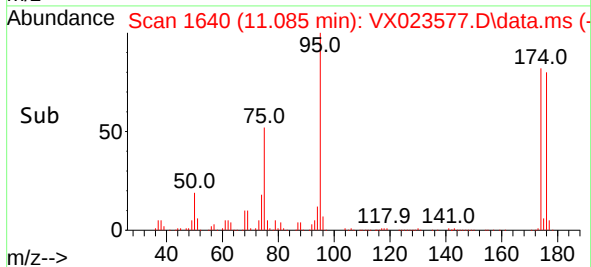
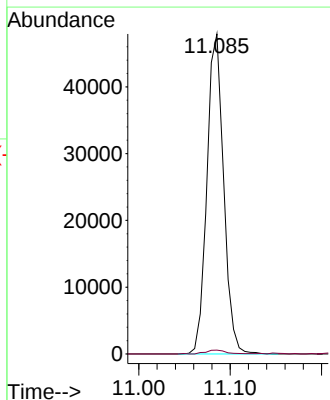
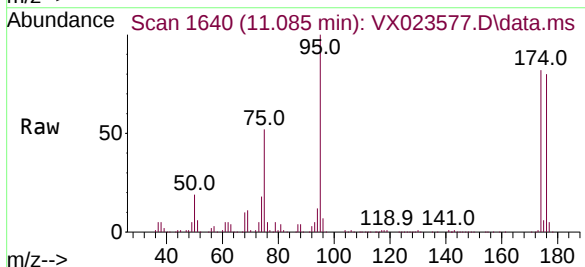
Instrument :
 MSVOA_X
 ClientSampleId :
 ANTIFREEZE

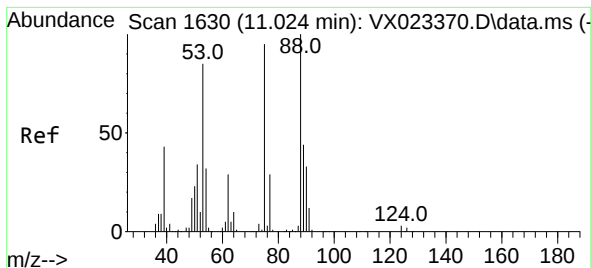
Tgt Ion:152 Resp: 106690
 Ion Ratio Lower Upper
 152 100
 115 59.4 41.1 123.3
 150 158.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.893 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023577.D
 Acq: 05 Aug 2021 17:00

Tgt Ion: 75 Resp: 60792
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.1 57.5#

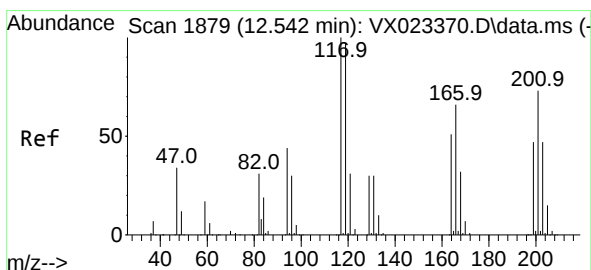
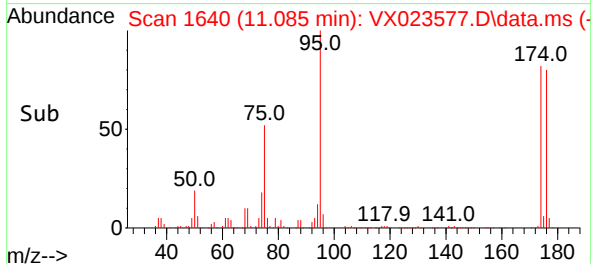
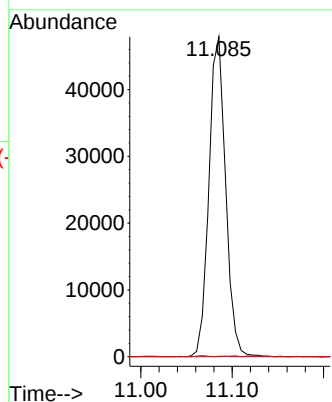
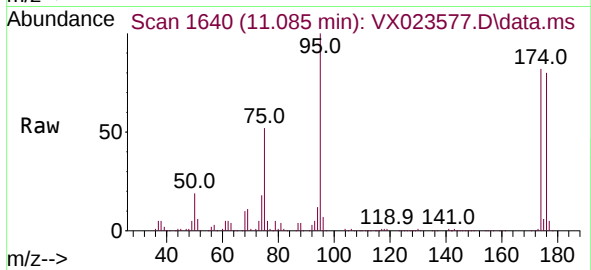




#81
trans-1,4-Dichloro-2-butene
Concen: 69.624 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

Instrument :
MSVOA_X
ClientSampleId :
ANTIFREEZE

Tgt Ion: 75 Resp: 60792
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.1 37.9 56.9#



#90
Hexachloroethane
Concen: 1.958 ug/l
RT: 12.506 min Scan# 1873
Delta R.T. -0.036 min
Lab File: VX023577.D
Acq: 05 Aug 2021 17:00

Tgt Ion: 117 Resp: 74
Ion Ratio Lower Upper
117 100
201 116.2 40.4 121.2

