

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070621\
 Data File : VX023155.D
 Acq On : 06 Jul 2021 18:50
 Operator : JC/MD
 Sample : I.BLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 02:55:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	260116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	432016	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	382431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158001	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178750	51.131	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.260%	
35) Dibromofluoromethane	5.397	113	133980	48.025	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.060%	
50) Toluene-d8	8.653	98	512380	49.236	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.480%	
62) 4-Bromofluorobenzene	11.085	95	186469	46.414	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.820%	

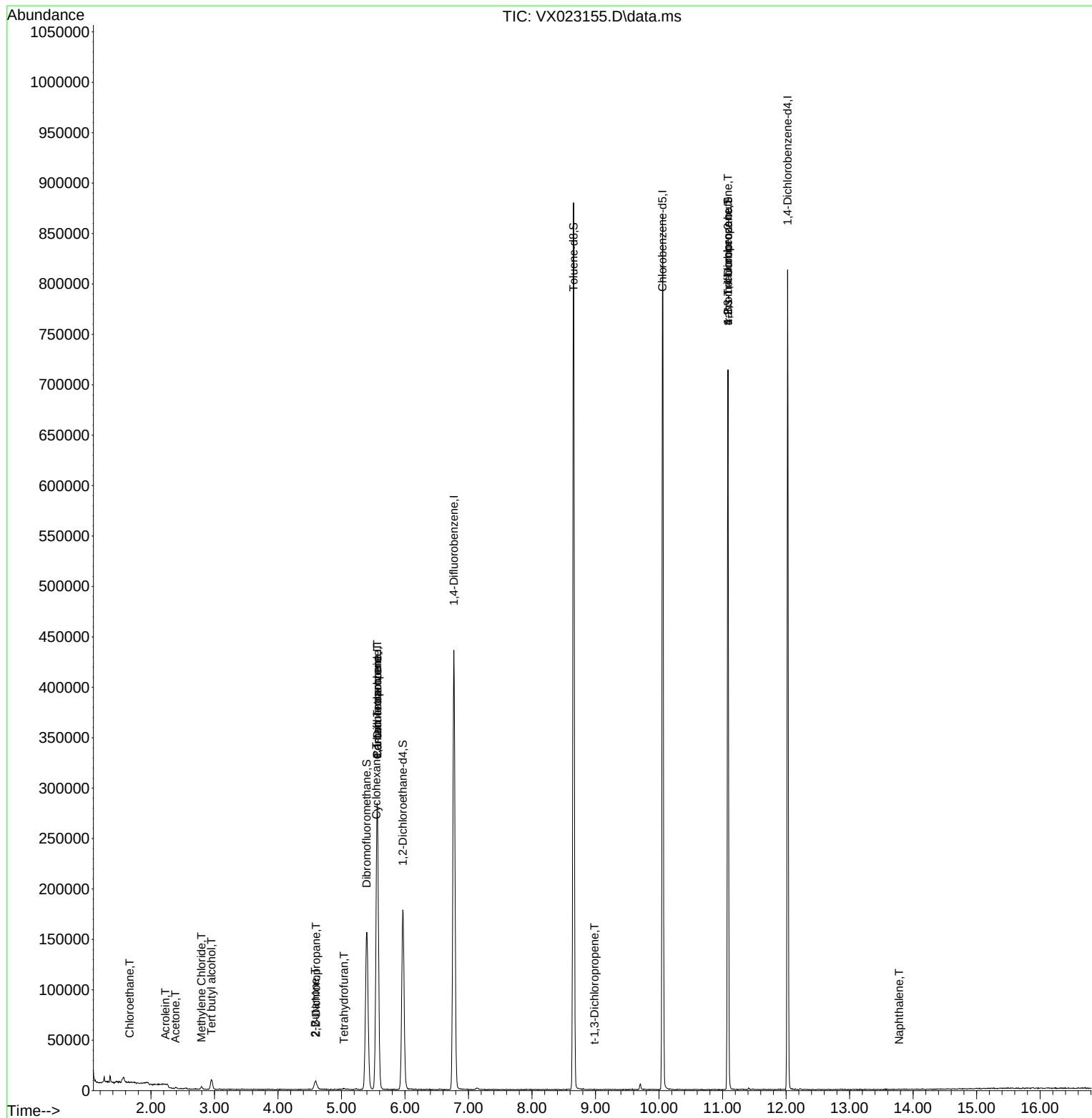
Target Compounds			Qvalue			
5) Bromomethane	1.581	94	112	Below Cal	#	2
6) Chloroethane	1.666	64	339	0.210	ug/l #	43
11) Tert butyl alcohol	2.953	59	6098	8.291	ug/l #	78
13) Acrolein	2.227	56	339	0.692	ug/l	83
16) Acetone	2.386	43	1881	1.360	ug/l #	87
20) Methylene Chloride	2.794	84	1253	0.421	ug/l #	91
25) 2-Butanone	4.586	43	945	0.453	ug/l #	45
26) 2,2-Dichloropropane	4.599	77	882	0.219	ug/l #	52
29) Tetrahydrofuran	5.038	42	878	0.655	ug/l #	41
31) Cyclohexane	5.550	56	5654	1.351	ug/l #	35
36) 1,1-Dichloropropene	5.562	75	21748	5.647	ug/l #	49
38) Carbon Tetrachloride	5.562	117	27915	6.944	ug/l #	17
53) t-1,3-Dichloropropene	8.982	75	18	2.740	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	96817	30.450	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	96817	81.688	ug/l #	12
95) Naphthalene	13.780	128	149	1.288	ug/l #	69

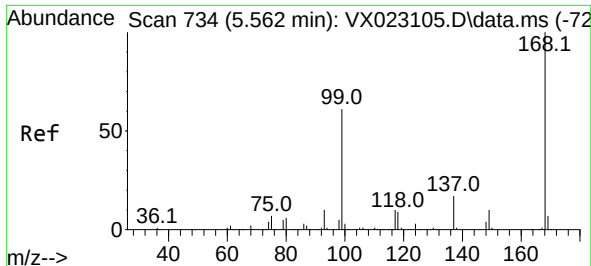
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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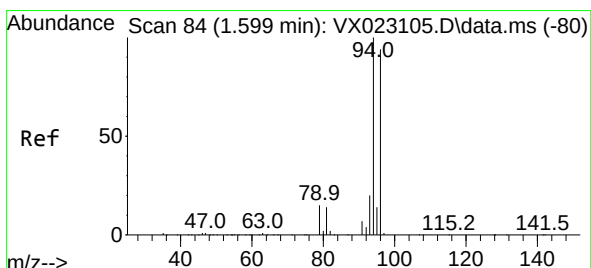
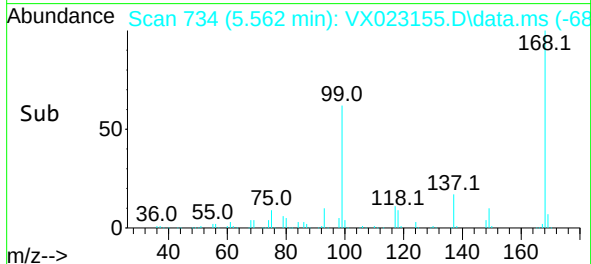
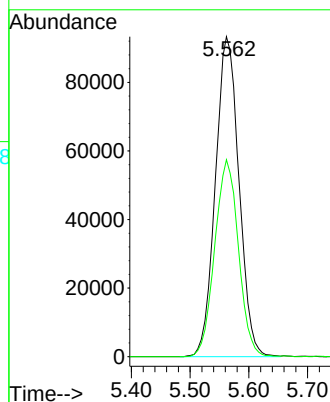
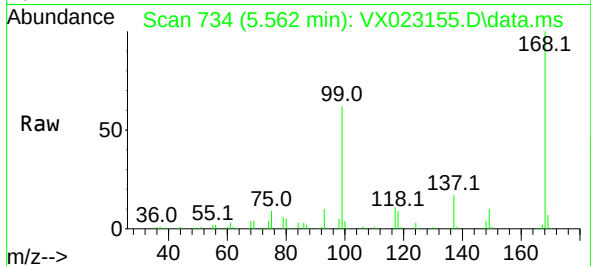




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

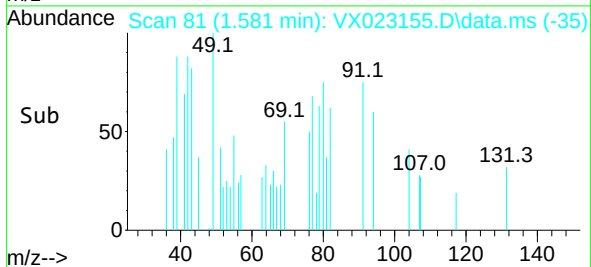
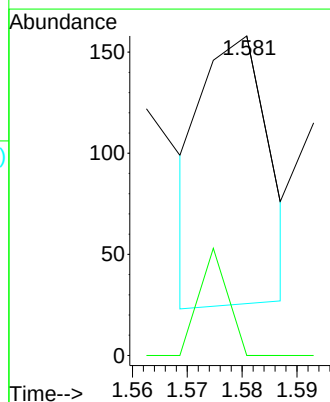
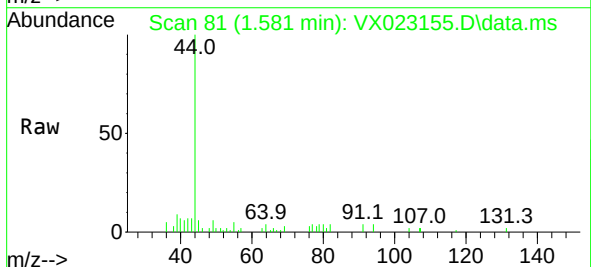
Instrument :
MSVOA_X
ClientSampled :

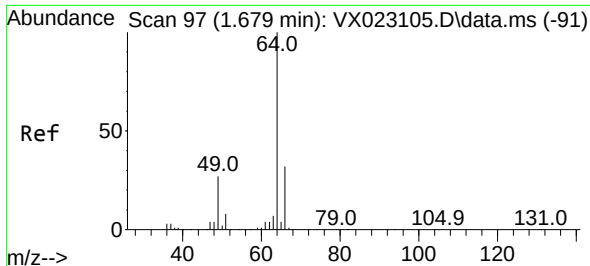
Tgt Ion:168 Resp: 260116
Ion Ratio Lower Upper
168 100
99 61.6 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

Tgt Ion: 94 Resp: 112
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

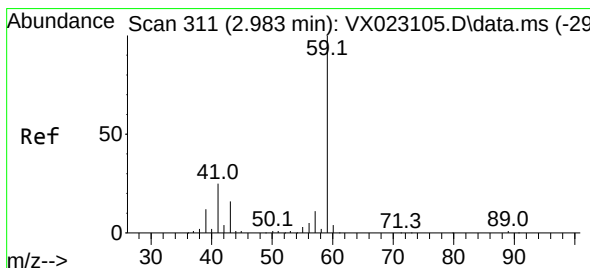
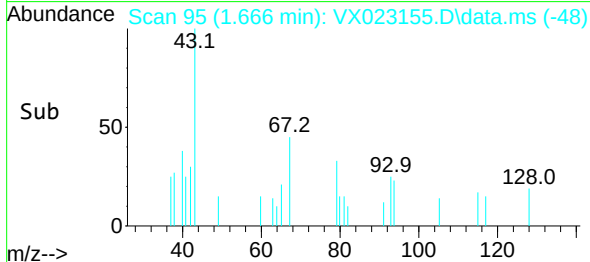
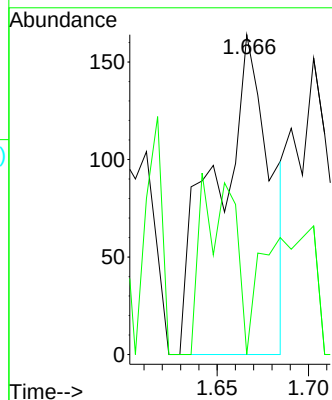
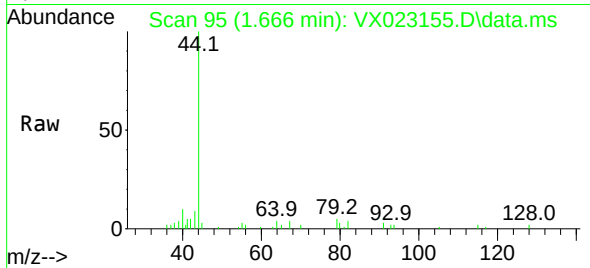




#6
Chloroethane
Concen: 0.210 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

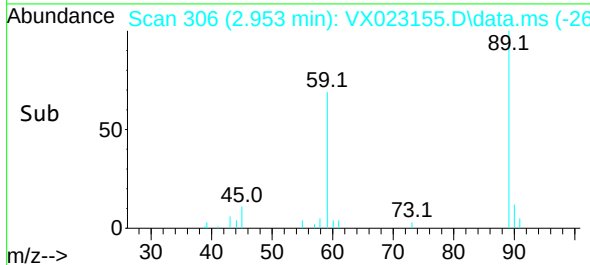
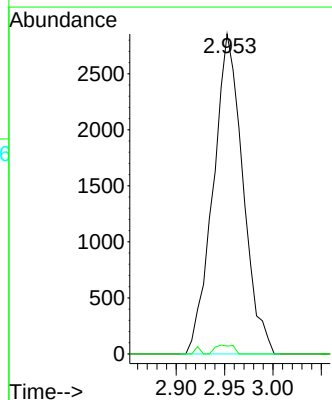
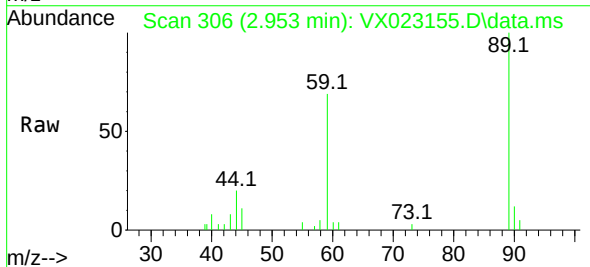
Instrument :
MSVOA_X
ClientSampleId :

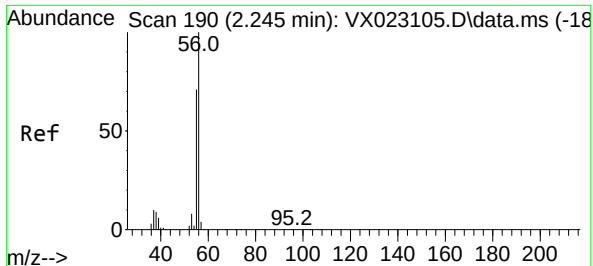
Tgt Ion: 64 Resp: 339
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 8.291 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

Tgt Ion: 59 Resp: 6098
Ion Ratio Lower Upper
59 100
57 1.7 7.8 11.8#

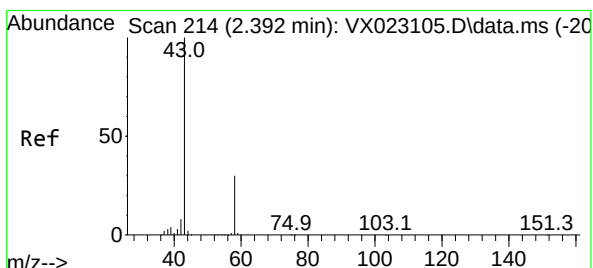
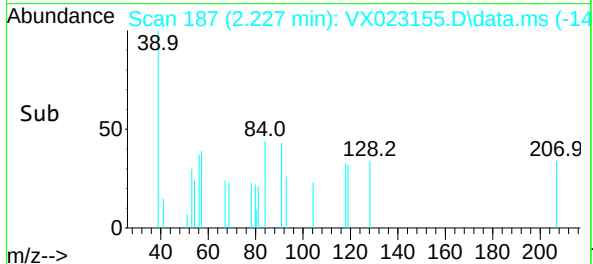
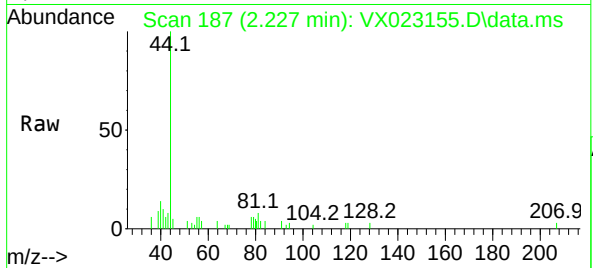




#13
Acrolein
Concen: 0.692 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.018 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

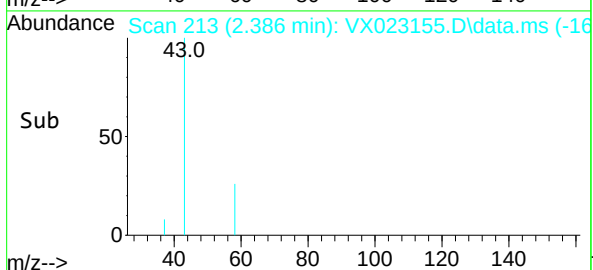
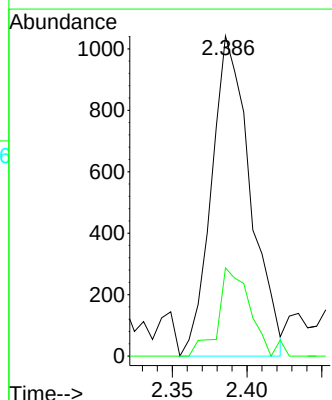
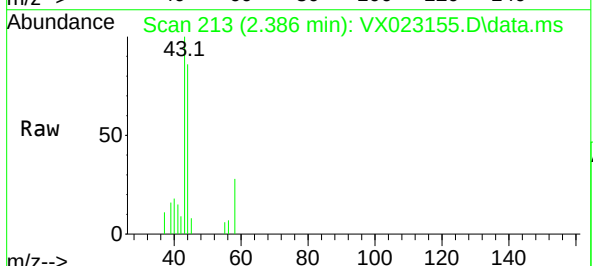
Instrument :
MSVOA_X
ClientSampled :

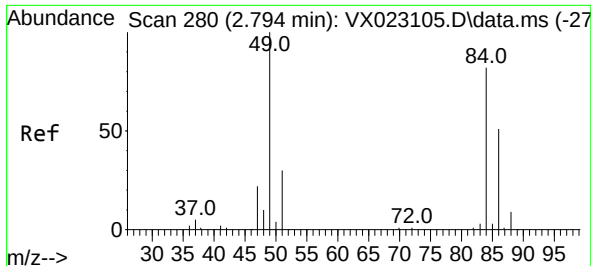
Tgt Ion: 56 Resp: 339
Ion Ratio Lower Upper
56 100
55 84.4 56.4 84.6



#16
Acetone
Concen: 1.360 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

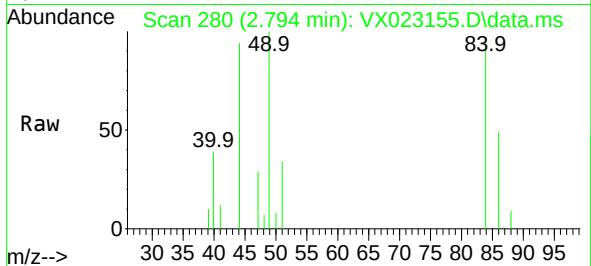
Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
58 27.5 27.8 41.8#



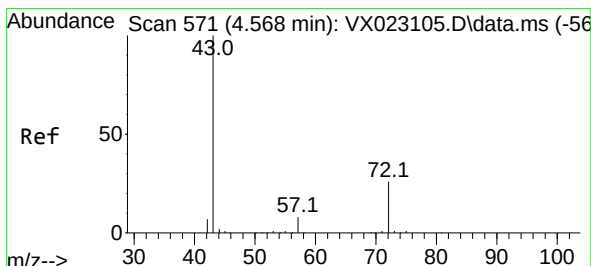
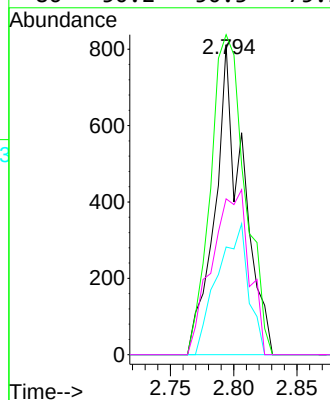
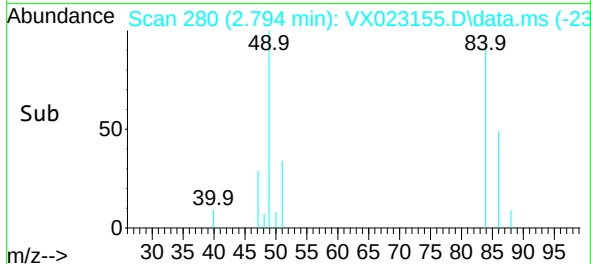


#20
Methylene Chloride
Concen: 0.421 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

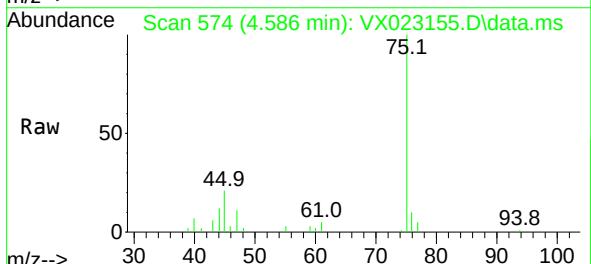
Instrument :
MSVOA_X
ClientSampled :



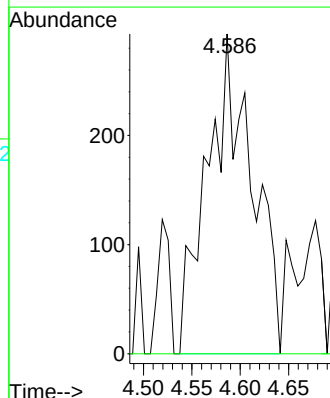
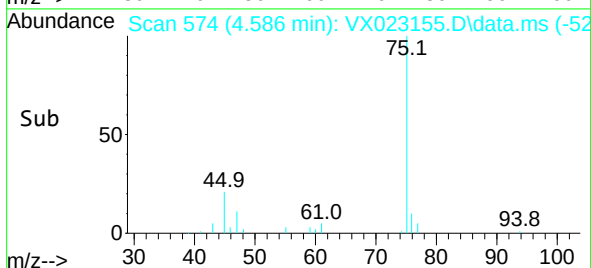
Tgt Ion:	84	Resp:	1253
Ion	Ratio	Lower	Upper
84	100		
49	103.2	88.6	132.8
51	34.7	27.0	40.6
86	50.2	50.3	75.5#

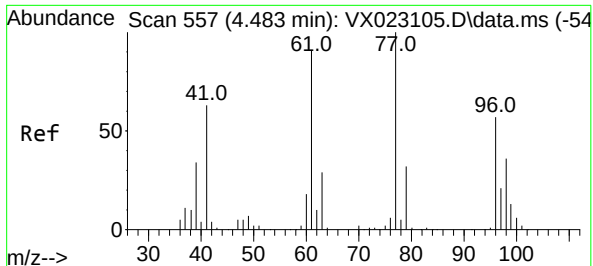


#25
2-Butanone
Concen: 0.453 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50



Tgt Ion:	43	Resp:	945
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#26

2,2-Dichloropropane

Concen: 0.219 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.116 min

Lab File: VX023155.D

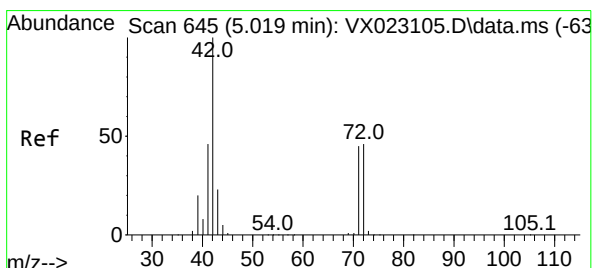
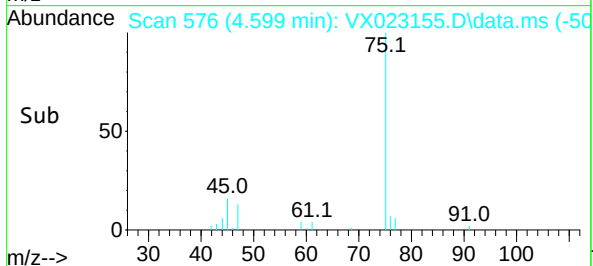
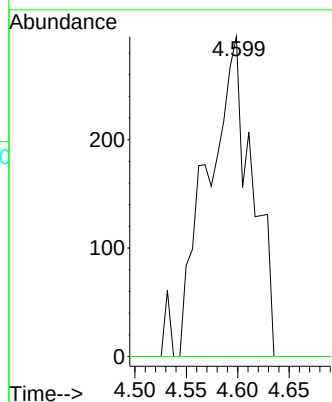
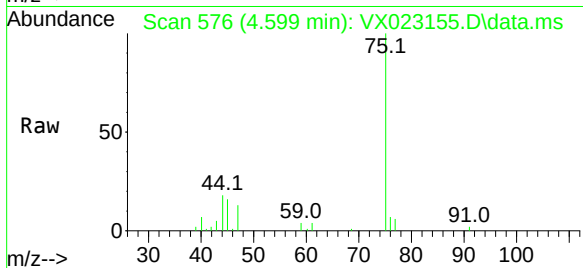
Acq: 06 Jul 2021 18:50

Tgt Ion: 77 Resp: 882

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



#29

Tetrahydrofuran

Concen: 0.655 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX023155.D

Acq: 06 Jul 2021 18:50

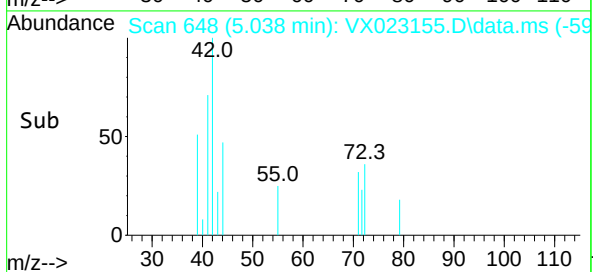
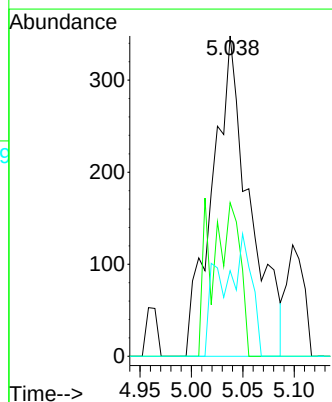
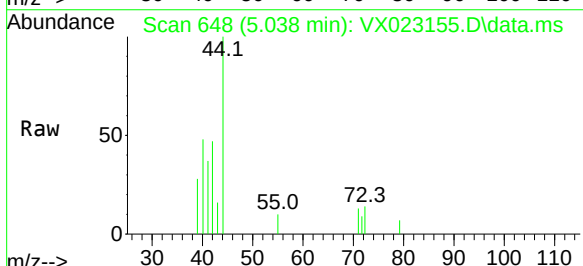
Tgt Ion: 42 Resp: 878

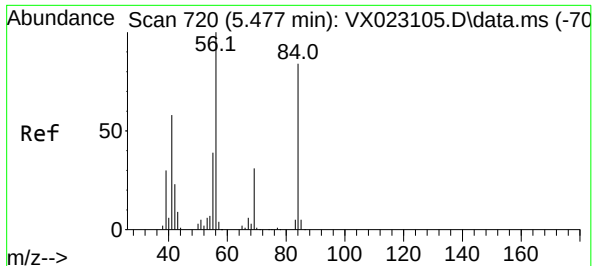
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 19.4 38.4 57.6#

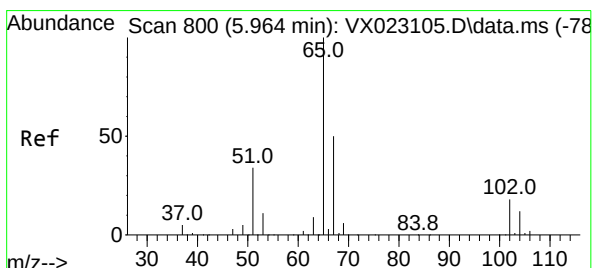
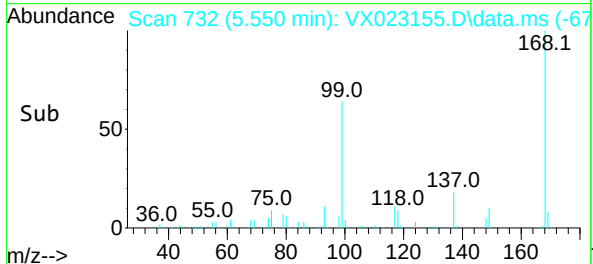
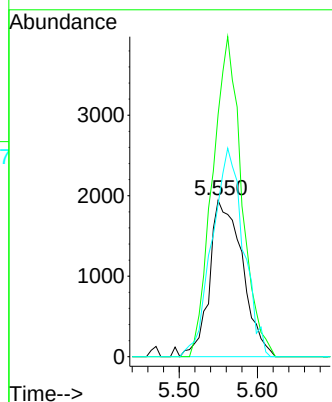
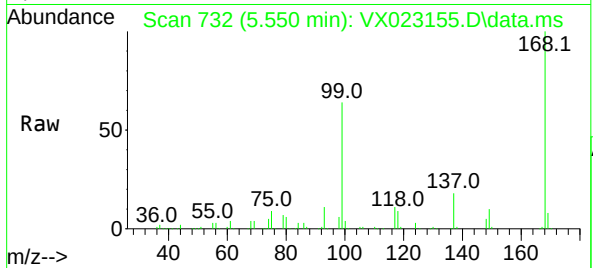




#31
Cyclohexane
Concen: 1.351 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

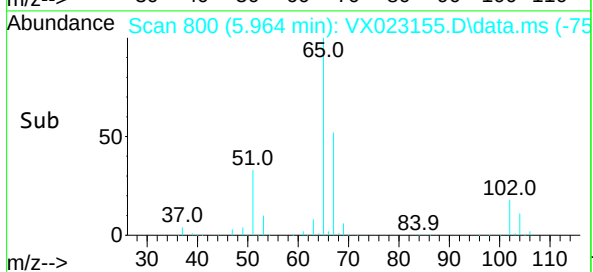
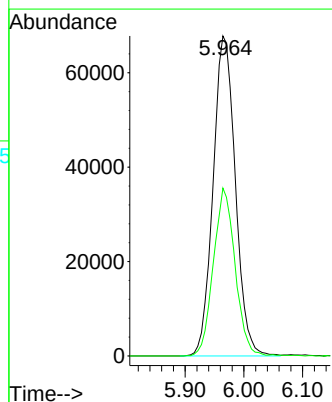
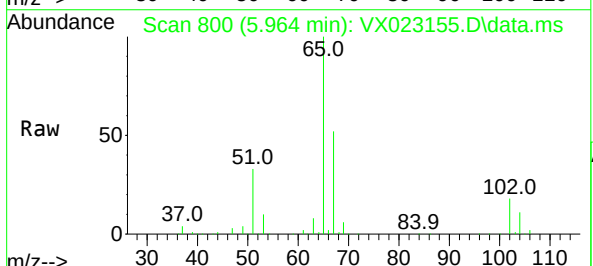
Instrument :
MSVOA_X
ClientSampled :

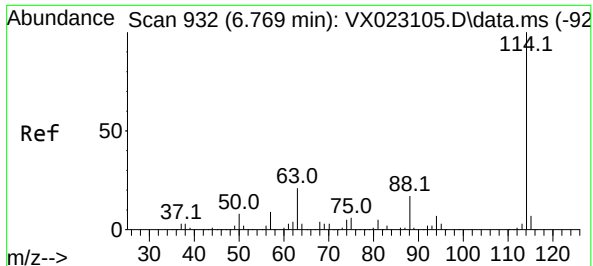
Tgt Ion: 56 Resp: 5654
Ion Ratio Lower Upper
56 100
69 155.0 25.3 37.9#
84 97.4 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.131 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

Tgt Ion: 65 Resp: 178750
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

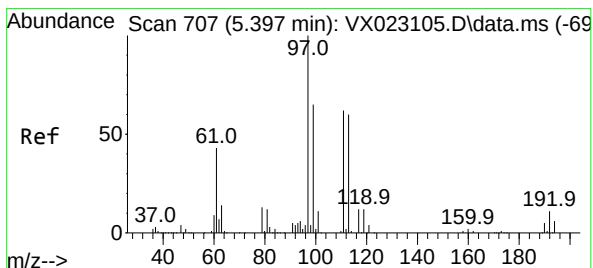
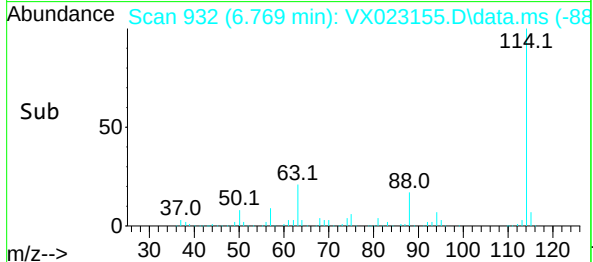
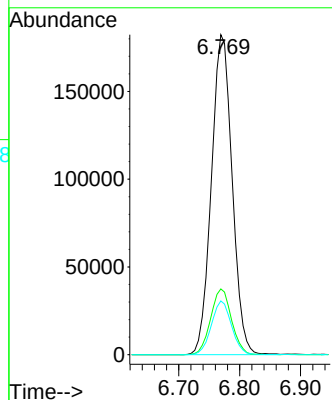
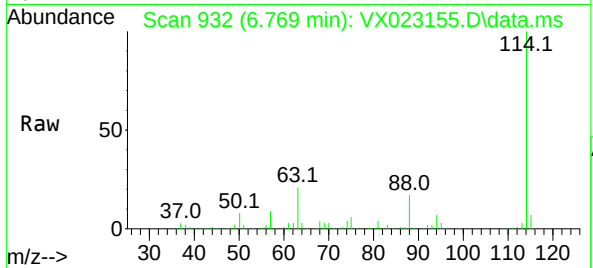




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

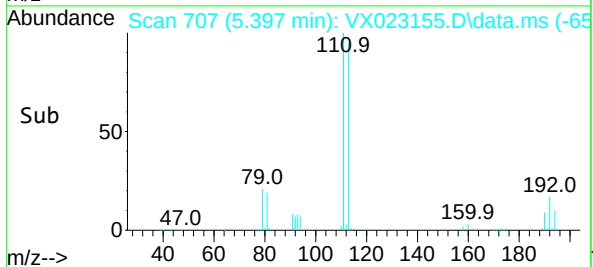
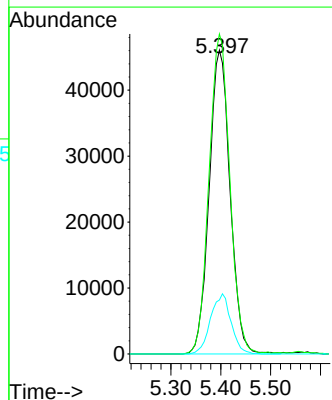
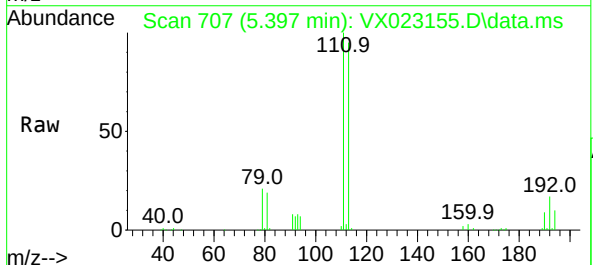
Instrument :
MSVOA_X
ClientSampleId :

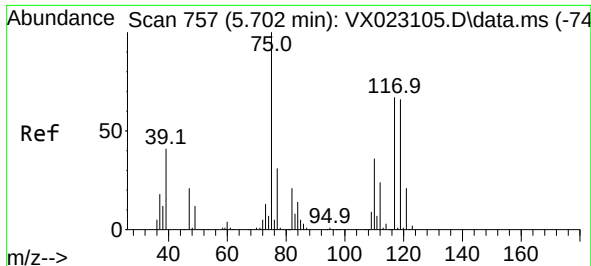
Tgt Ion:114 Resp: 432016
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.025 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

Tgt Ion:113 Resp: 133980
Ion Ratio Lower Upper
113 100
111 104.8 81.9 122.9
192 19.4 16.7 25.1

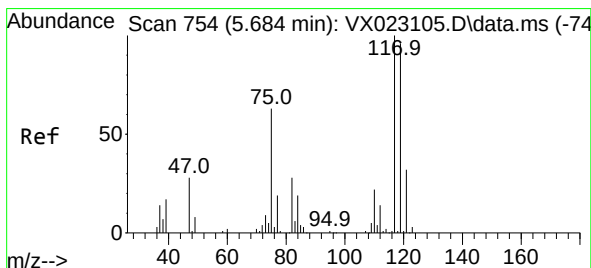
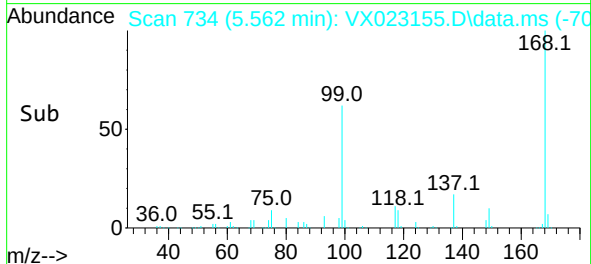
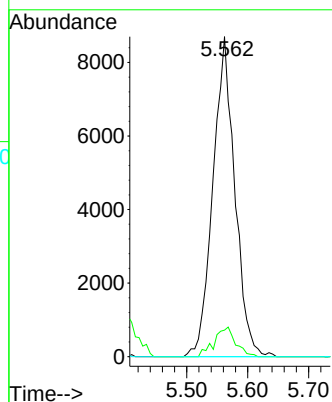
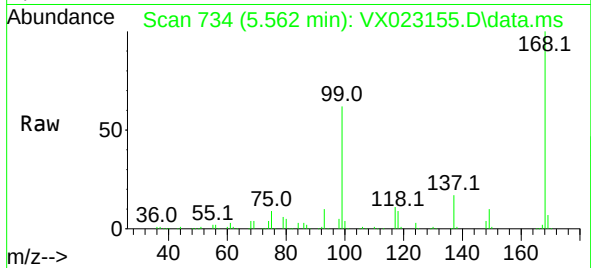




#36
1,1-Dichloropropene
Concen: 5.647 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

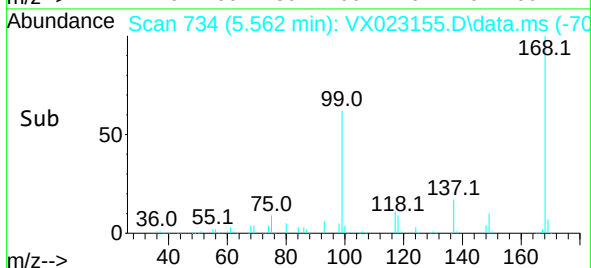
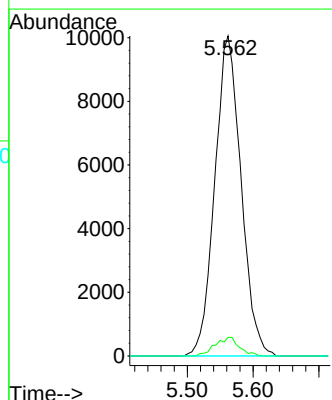
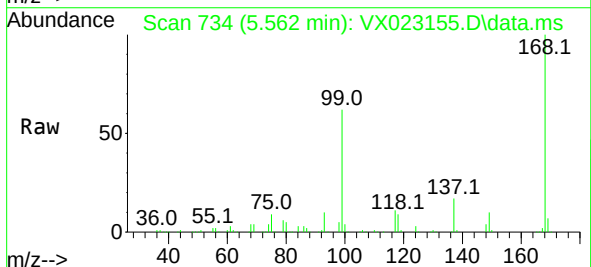
Instrument :
MSVOA_X
ClientSampled :

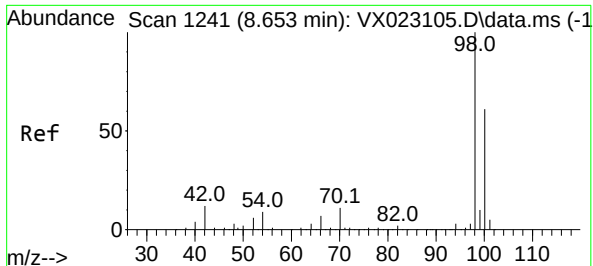
Tgt Ion: 75 Resp: 21748
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.944 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

Tgt Ion: 117 Resp: 27915
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#

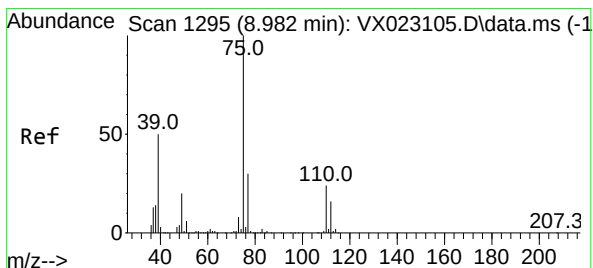
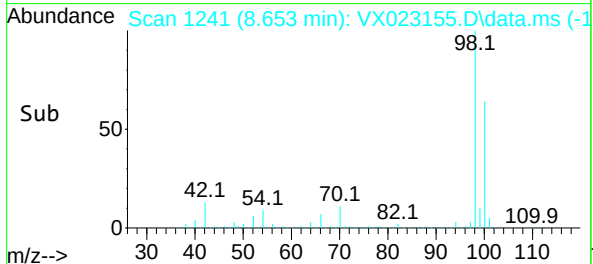
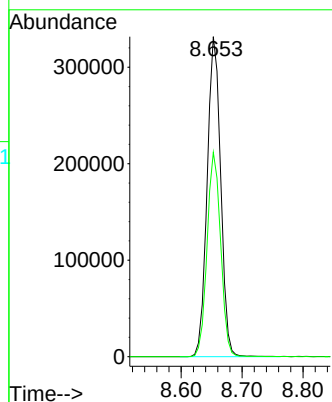
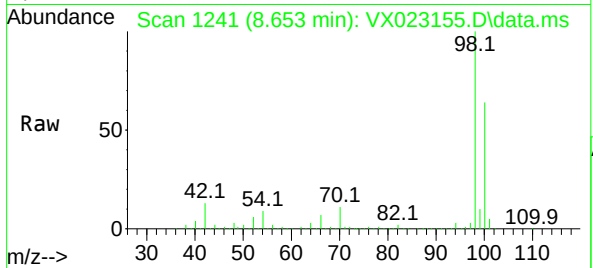




#50
Toluene-d8
Concen: 49.236 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

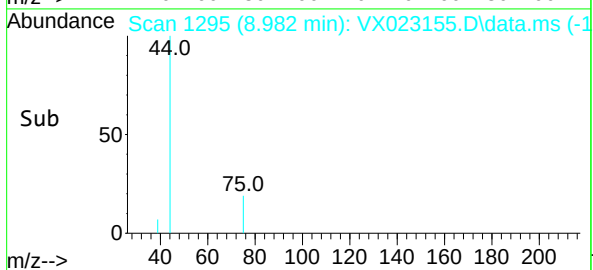
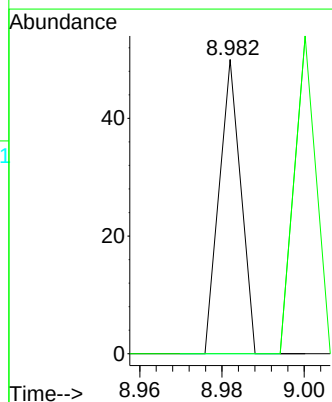
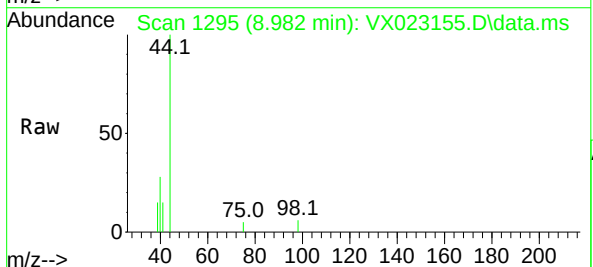
Instrument :
MSVOA_X
ClientSampled :

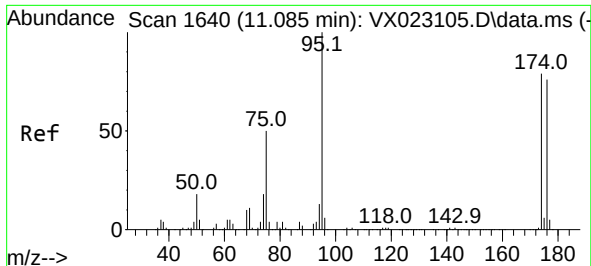
Tgt Ion: 98 Resp: 512380
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.740 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

Tgt Ion: 75 Resp: 18
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

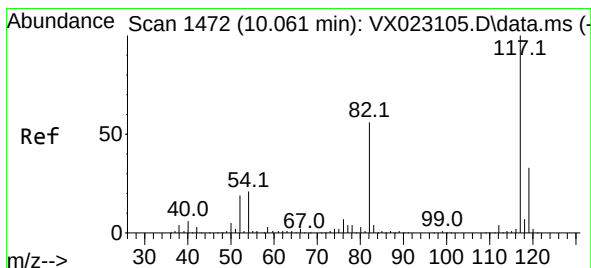
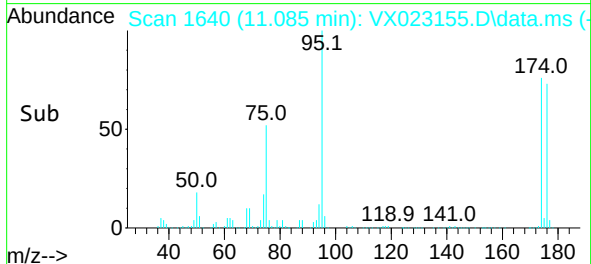
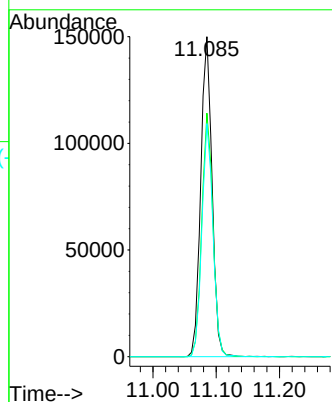
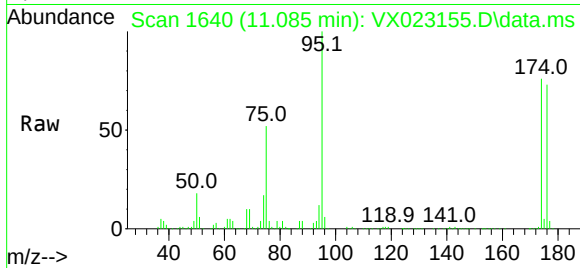




#62
4-Bromofluorobenzene
Concen: 46.414 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

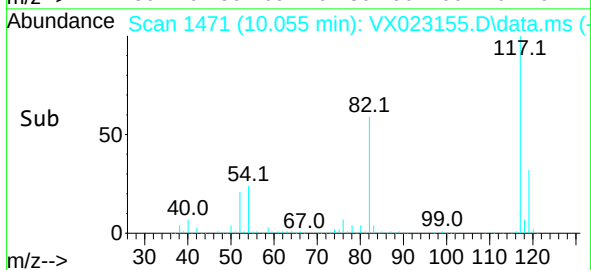
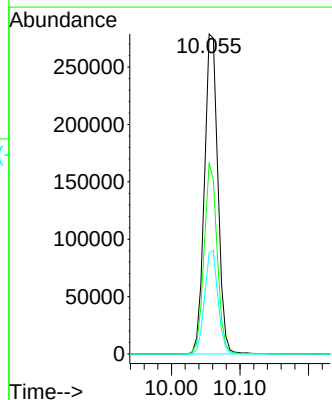
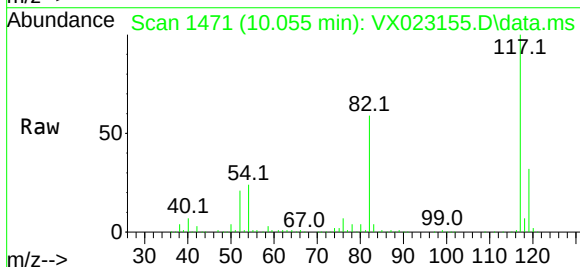
Instrument :
MSVOA_X
ClientSampled :

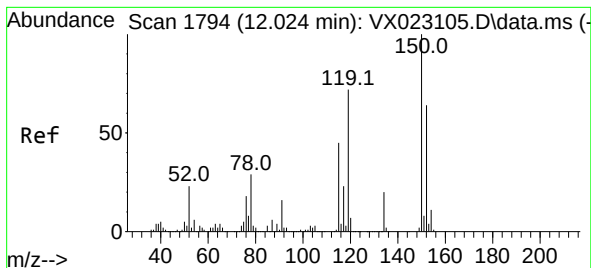
Tgt Ion: 95 Resp: 186469
Ion Ratio Lower Upper
95 100
174 75.4 0.0 154.6
176 71.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

Tgt Ion: 117 Resp: 382431
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 31.6 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX023155.D

Acq: 06 Jul 2021 18:50

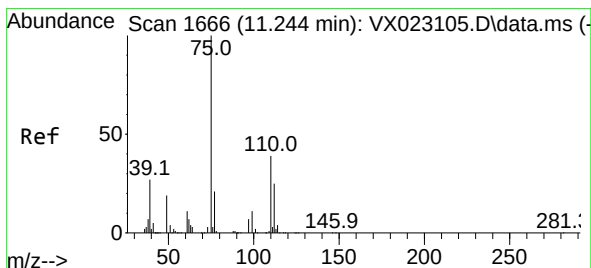
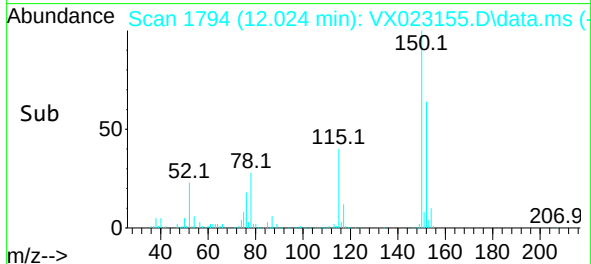
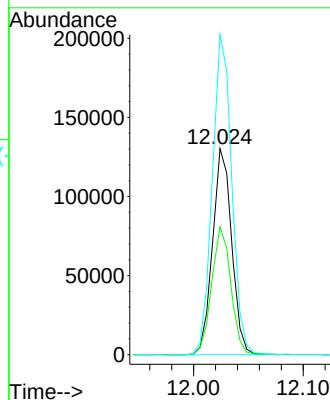
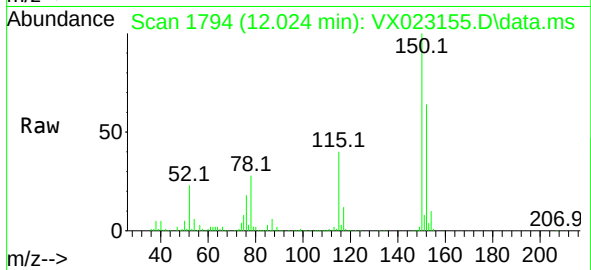
Tgt Ion:152 Resp: 158001

Ion Ratio Lower Upper

152 100

115 62.2 41.1 123.3

150 157.8 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 30.450 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX023155.D

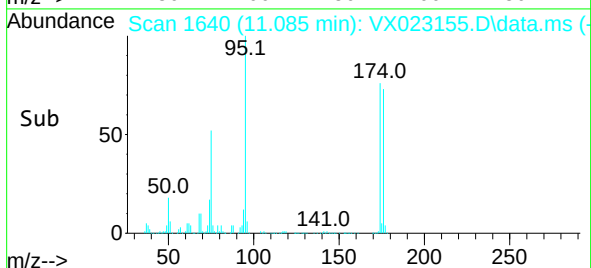
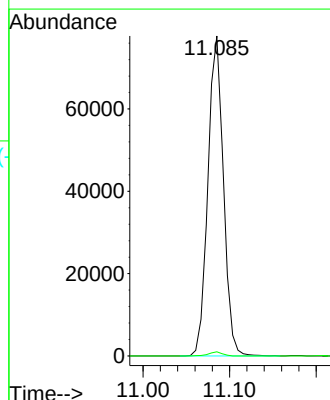
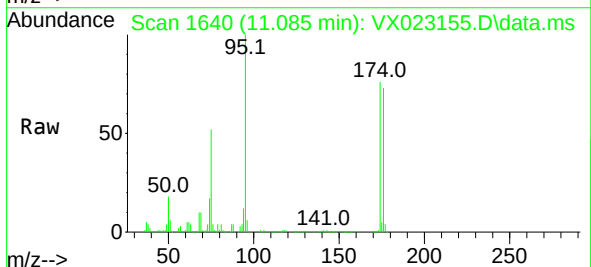
Acq: 06 Jul 2021 18:50

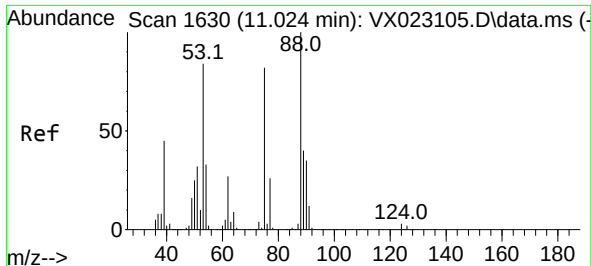
Tgt Ion: 75 Resp: 96817

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

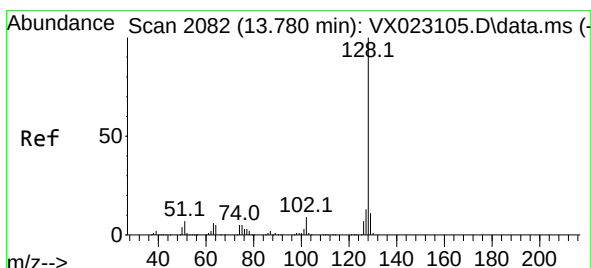
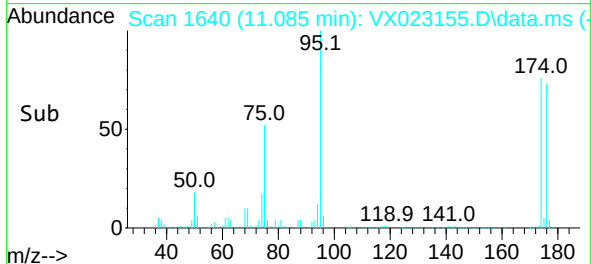
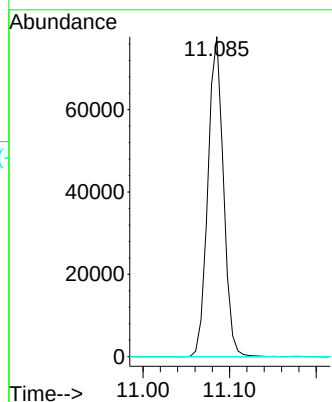
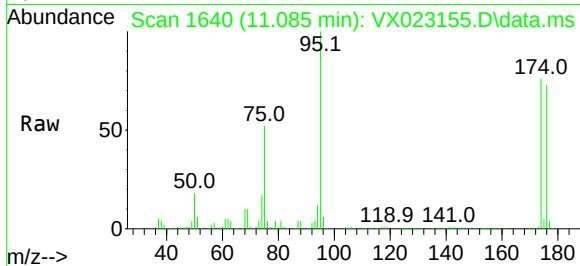




#81
trans-1,4-Dichloro-2-butene
Concen: 81.688 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 96817
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.288 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023155.D
Acq: 06 Jul 2021 18:50

Tgt Ion: 128 Resp: 149
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

