

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021684.D
 Acq On : 31 Mar 2021 14:53
 Operator : JC/MD
 Sample : M1842-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 01 03:25:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

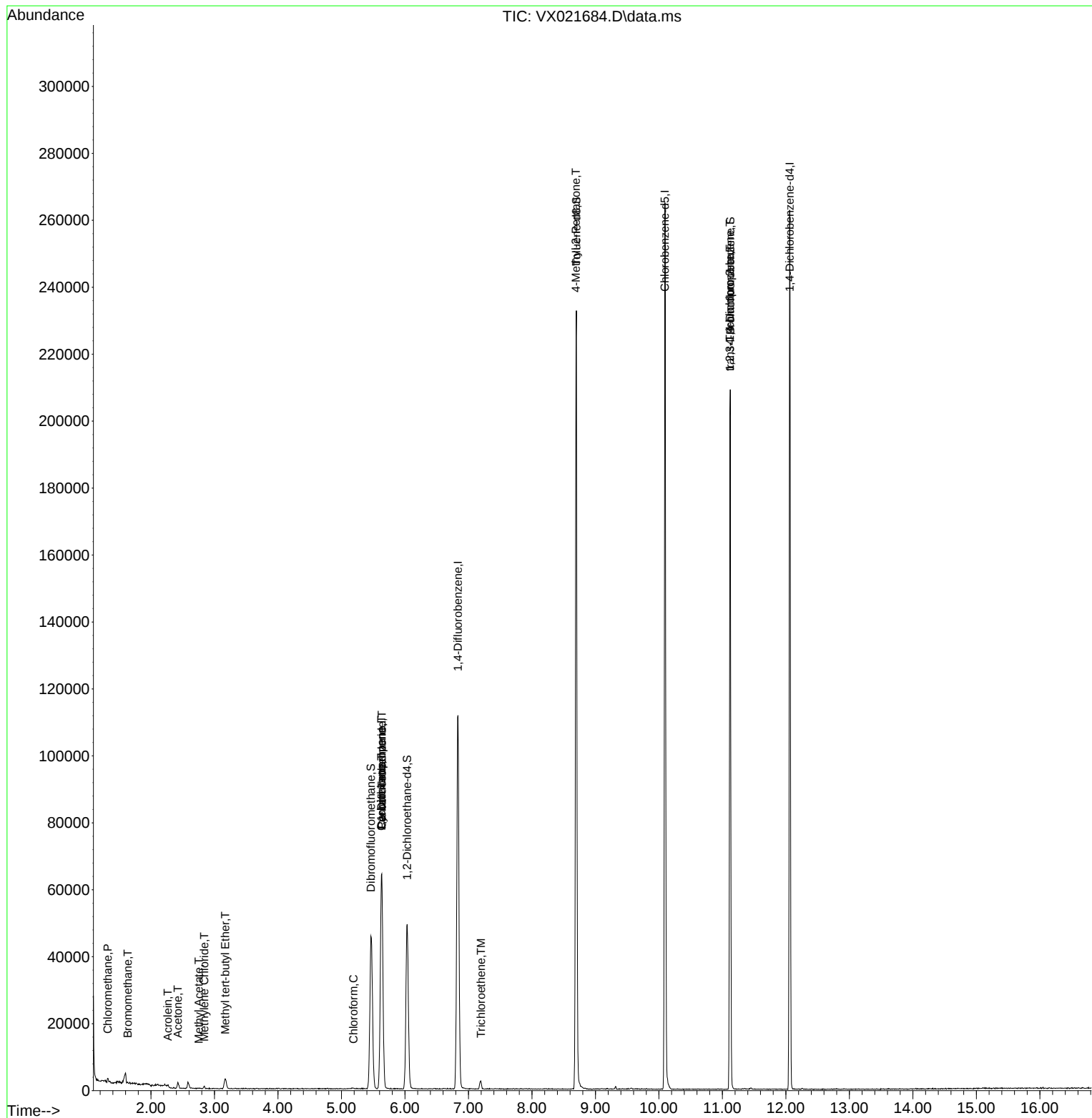
Internal Standards						
1) Pentafluorobenzene	5.635	168	55749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	104605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47911	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	49844	53.74	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.48%	
35) Dibromofluoromethane	5.464	113	37558	50.55	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.10%	
50) Toluene-d8	8.700	98	133134	50.28	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.56%	
62) 4-Bromofluorobenzene	11.124	95	53703	52.17	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.34%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	1522	2.20	ug/l	98
5) Bromomethane	1.634	94	60	0.24	ug/l #	2
13) Acrolein	2.264	56	21	4.56	ug/l #	1
16) Acetone	2.423	43	1501	4.28	ug/l #	83
18) Methyl Acetate	2.752	43	259	0.26	ug/l #	47
19) Methyl tert-butyl Ether	3.170	73	2940	1.40	ug/l #	88
20) Methylene Chloride	2.840	84	228	0.33	ug/l #	72
30) Chloroform	5.188	83	402	0.32	ug/l	84
31) Cyclohexane	5.629	56	1477	1.45	ug/l #	20
36) 1,1-Dichloropropene	5.629	75	5191	5.06	ug/l #	48
38) Carbon Tetrachloride	5.635	117	6260	5.68	ug/l #	16
44) Trichloroethene	7.200	130	781	1.02	ug/l	92
51) 4-Methyl-2-Pentanone	8.694	43	762	0.64	ug/l #	1
76) 1,2,3-Trichloropropane	11.118	75	30618	27.45	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30618	83.62	ug/l #	12

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

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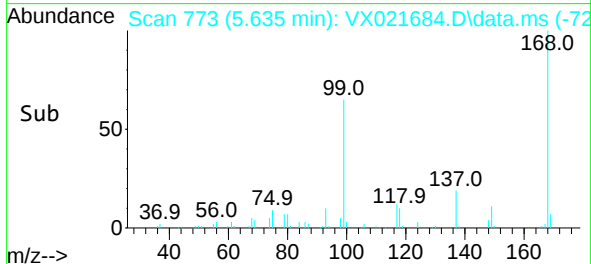
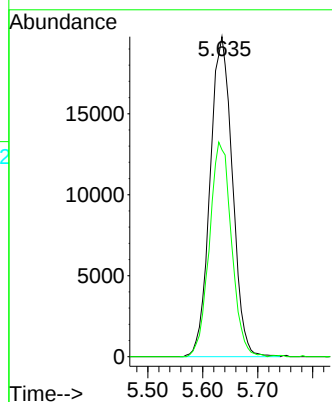
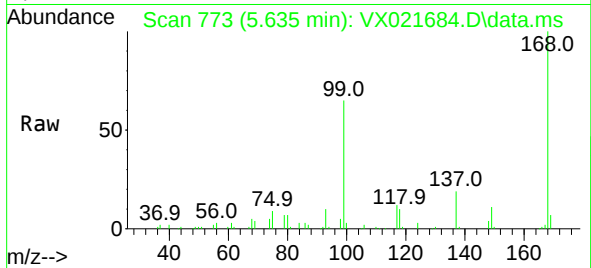




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

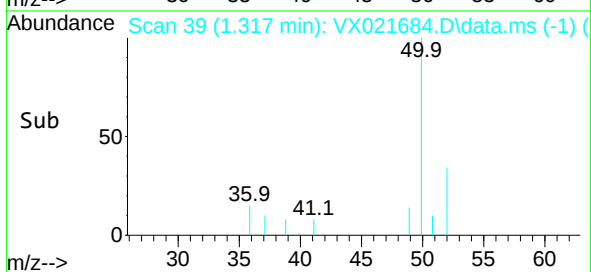
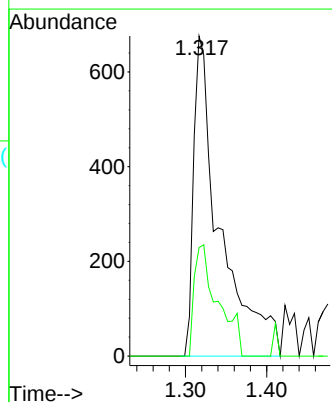
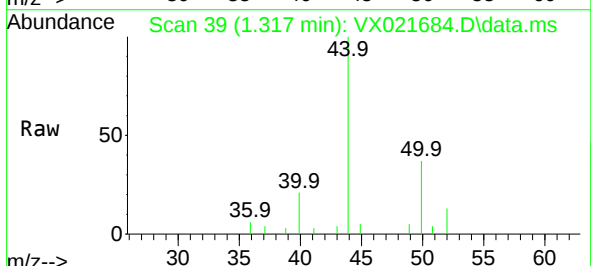
Instrument :
MSVOA_X
ClientSampleId :

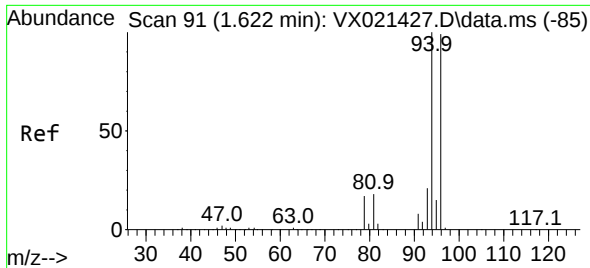
Tgt Ion:168 Resp: 55749
Ion Ratio Lower Upper
168 100
99 64.6 45.8 68.6



#3
Chloromethane
Concen: 2.20 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

Tgt Ion: 50 Resp: 1522
Ion Ratio Lower Upper
50 100
52 33.9 26.4 39.6

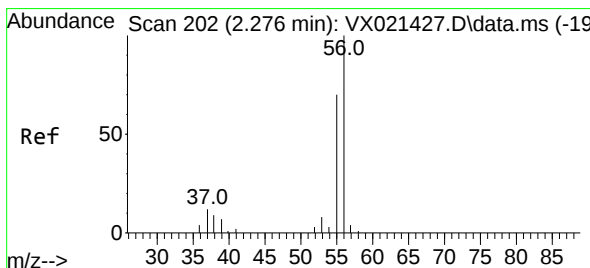
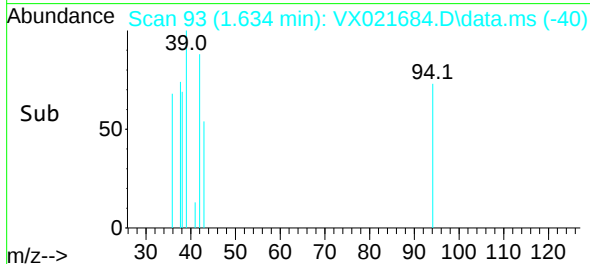
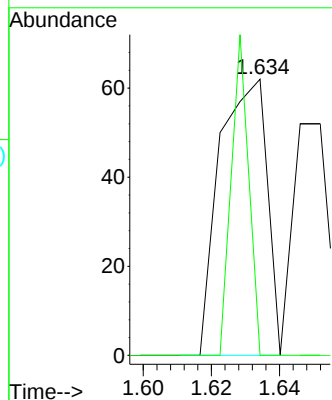
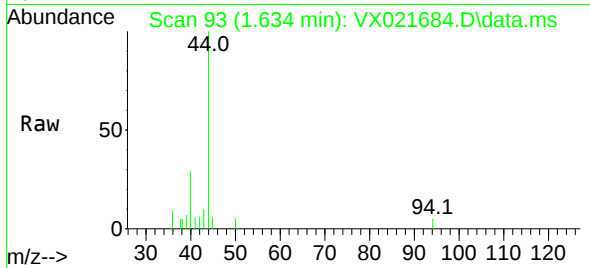




#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

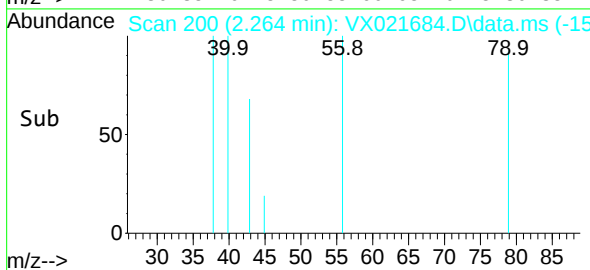
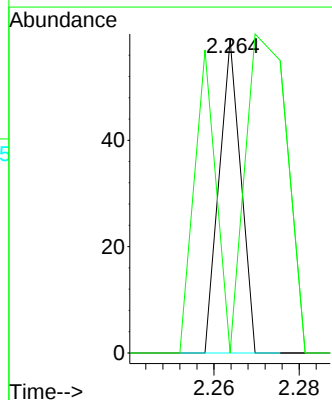
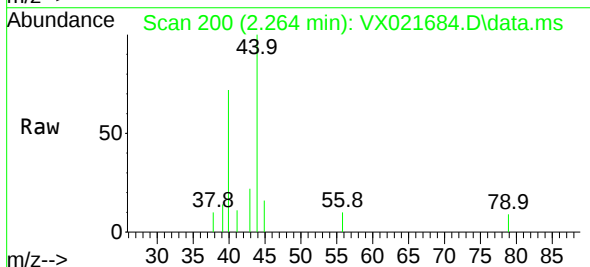
Instrument :
MSVOA_X
ClientSampled :

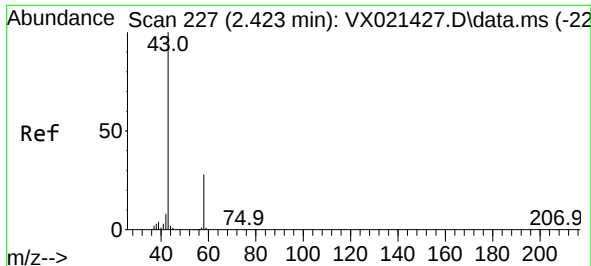
Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#13
Acrolein
Concen: 4.56 ug/l
RT: 2.264 min Scan# 200
Delta R.T. -0.012 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 290.5 56.4 84.6#

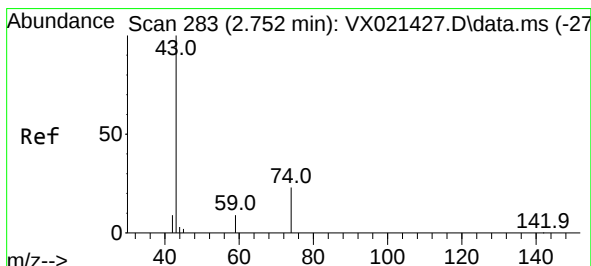
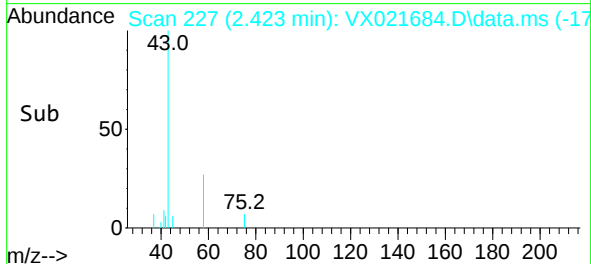
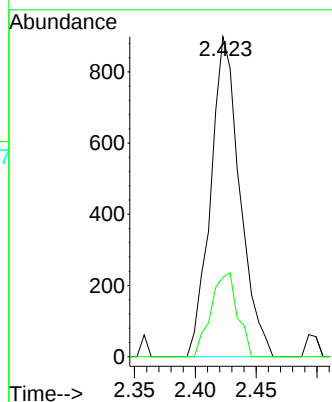
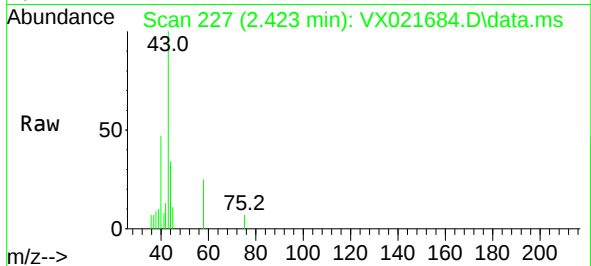




#16
Acetone
Concen: 4.28 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

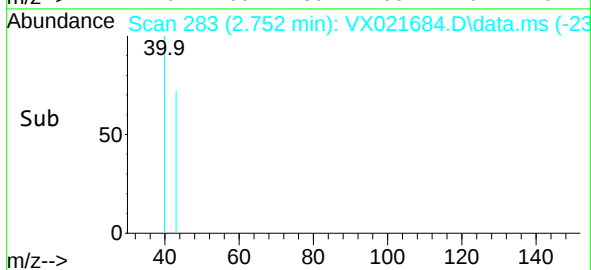
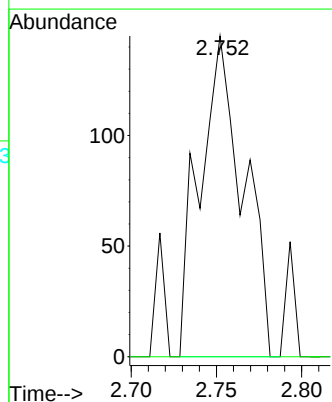
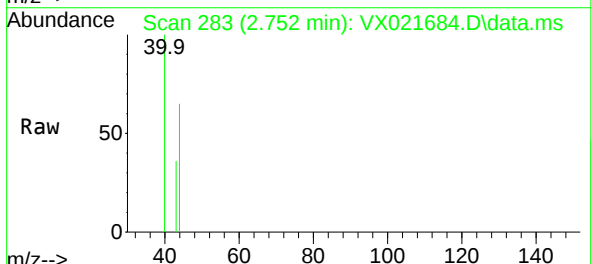
Instrument :
MSVOA_X
ClientSampleId :

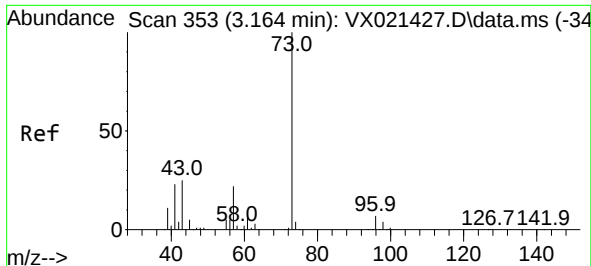
Tgt Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
58 24.8 27.8 41.8#



#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

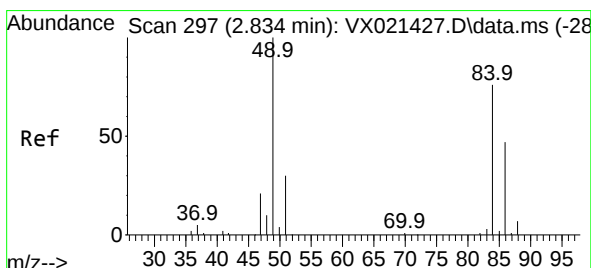
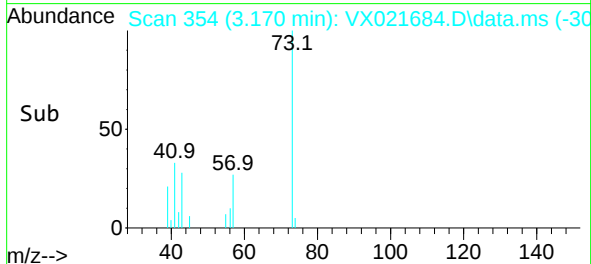
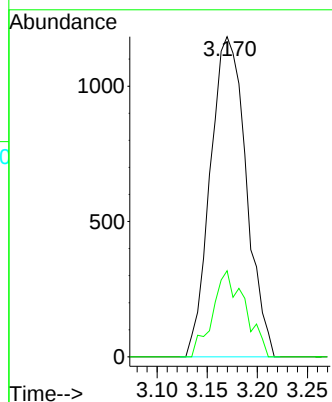
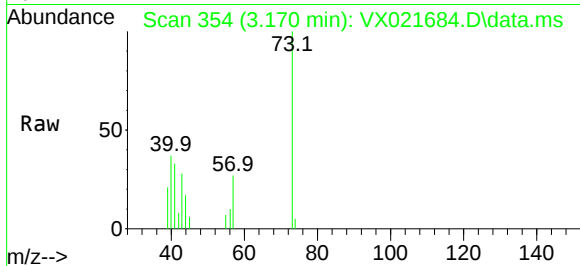




#19
Methyl tert-butyl Ether
Concen: 1.40 ug/l
RT: 3.170 min Scan# 354
Delta R.T. 0.006 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

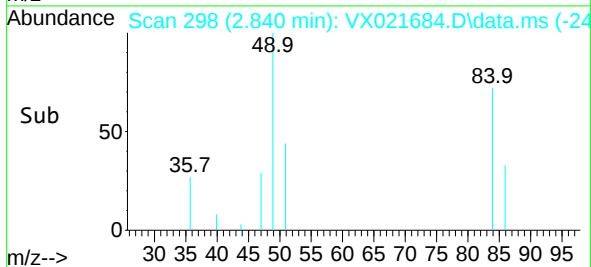
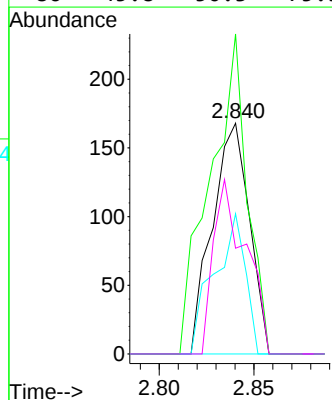
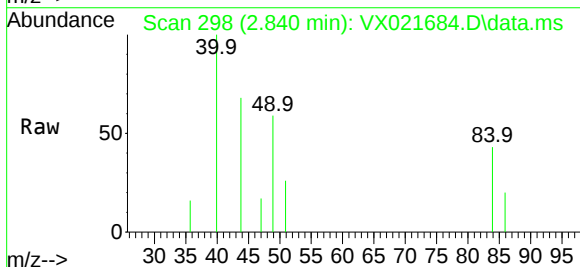
Instrument :
MSVOA_X
ClientSampled :

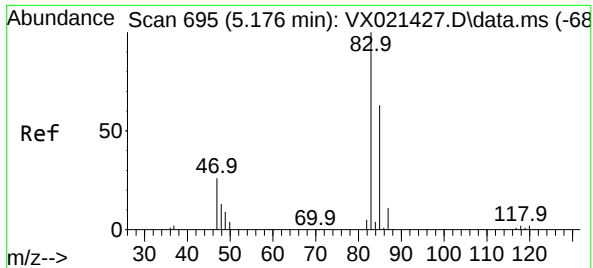
Tgt Ion: 73 Resp: 2940
Ion Ratio Lower Upper
73 100
57 26.9 17.1 25.7#



#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

Tgt Ion: 84 Resp: 228
Ion Ratio Lower Upper
84 100
49 138.7 88.6 132.8#
51 60.7 27.0 40.6#
86 45.8 50.3 75.5#

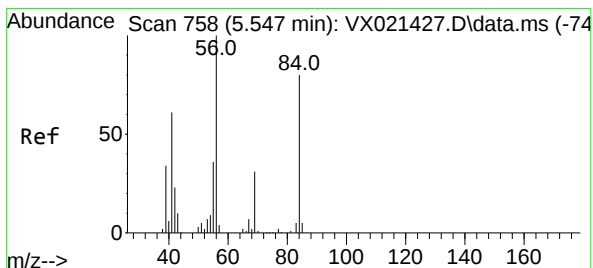
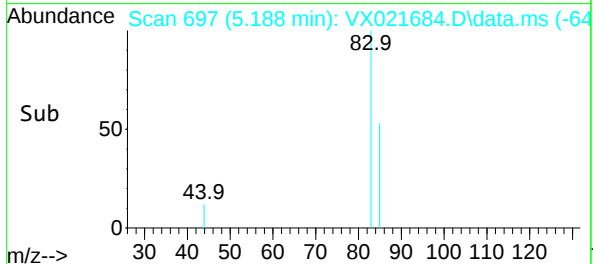
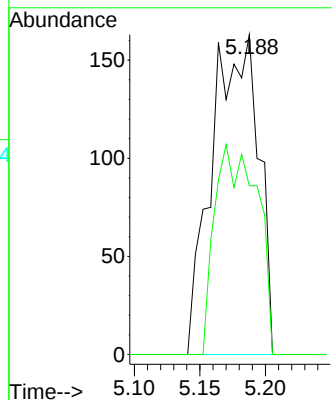
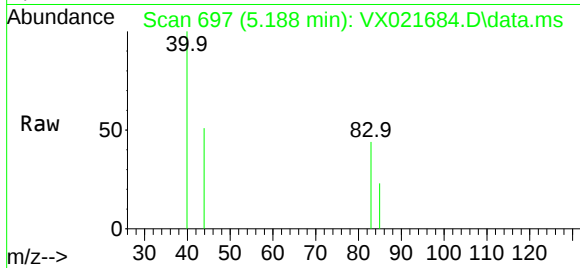




#30
Chloroform
Concen: 0.32 ug/l
RT: 5.188 min Scan# 697
Delta R.T. 0.012 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

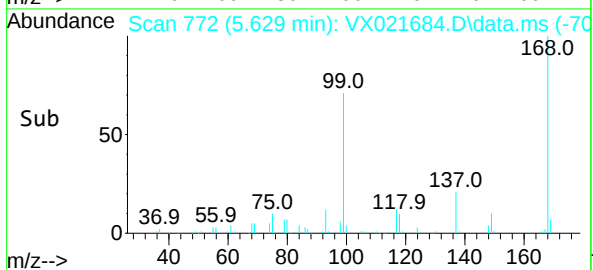
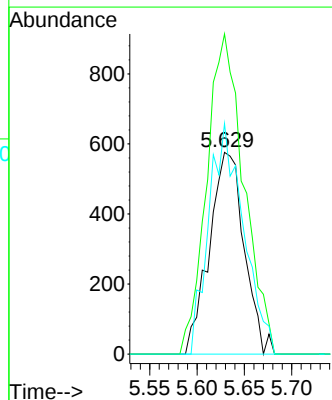
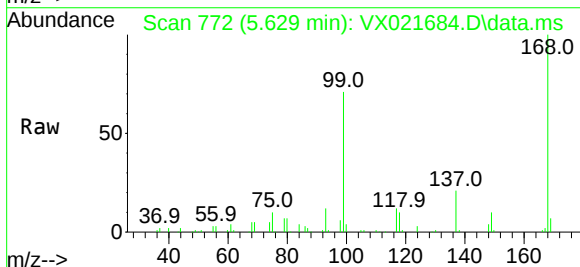
Instrument :
MSVOA_X
ClientSampleId :

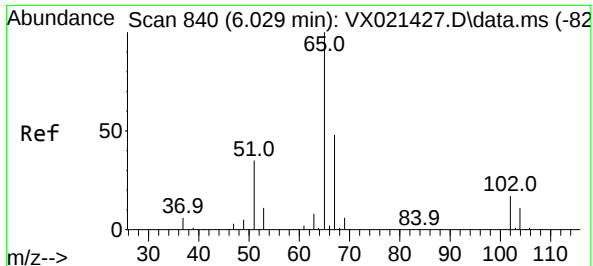
Tgt Ion: 83 Resp: 402
Ion Ratio Lower Upper
83 100
85 52.8 52.0 78.0



#31
Cyclohexane
Concen: 1.45 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

Tgt Ion: 56 Resp: 1477
Ion Ratio Lower Upper
56 100
69 158.7 25.3 37.9#
84 114.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.74 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021684.D

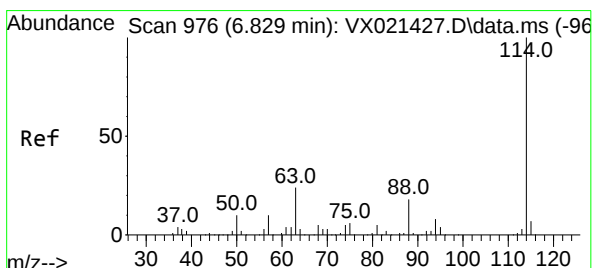
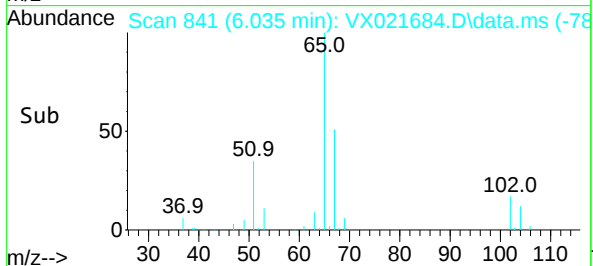
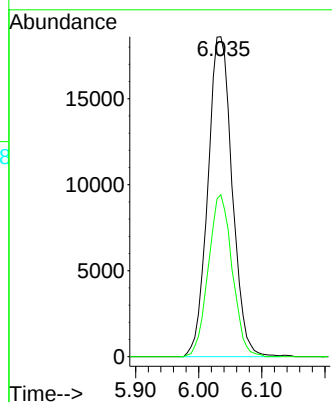
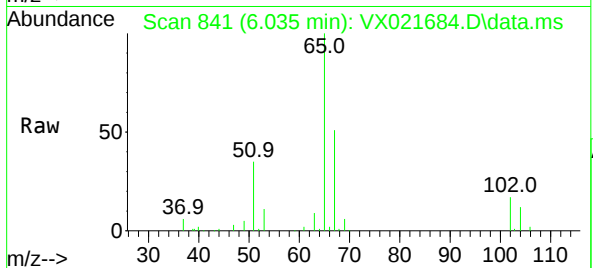
Acq: 31 Mar 2021 14:53

Tgt Ion: 65 Resp: 49844

Ion Ratio Lower Upper

65 100

67 49.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.835 min Scan# 977

Delta R.T. 0.006 min

Lab File: VX021684.D

Acq: 31 Mar 2021 14:53

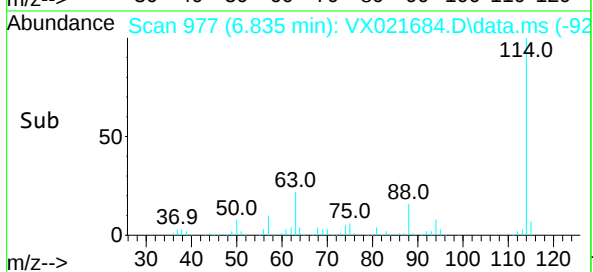
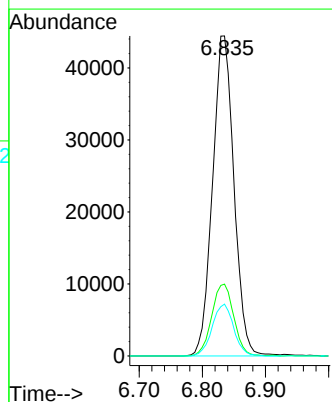
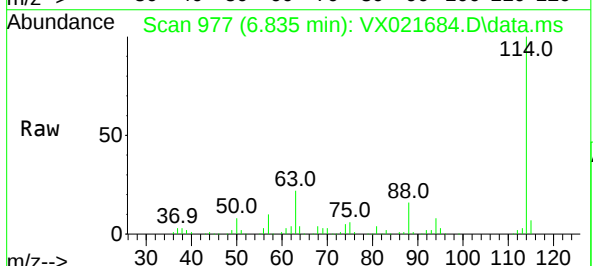
Tgt Ion: 114 Resp: 104605

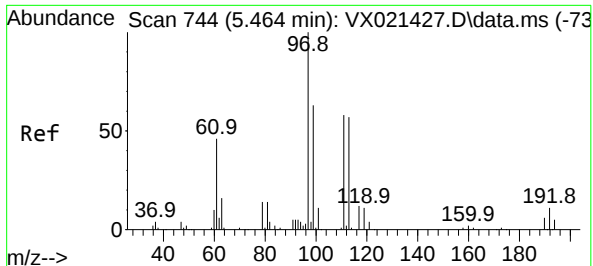
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.8

88 16.2 0.0 32.8

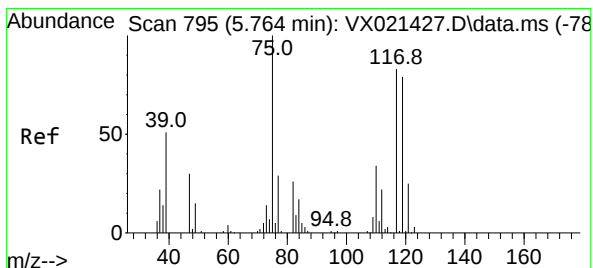
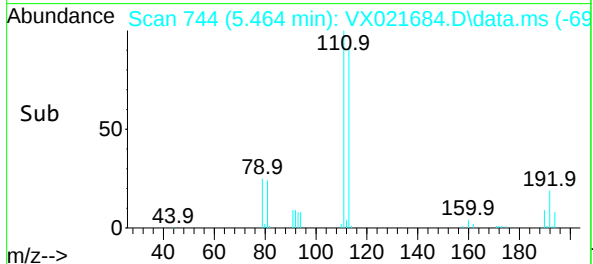
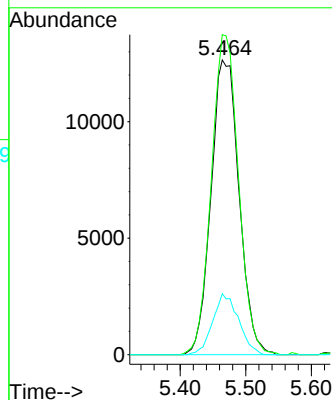
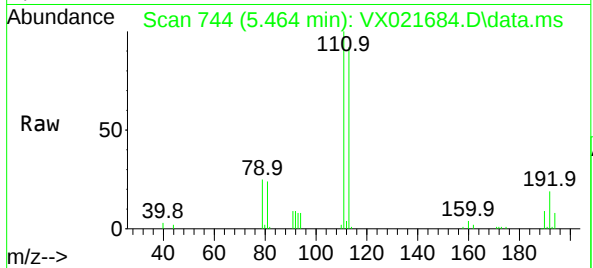




#35
Dibromofluoromethane
Concen: 50.55 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

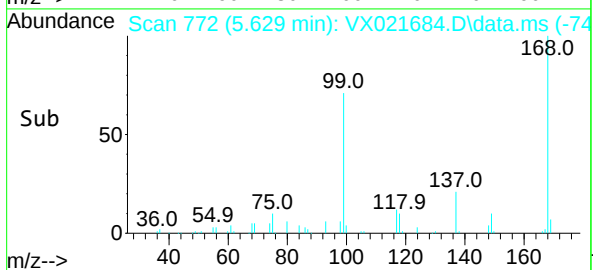
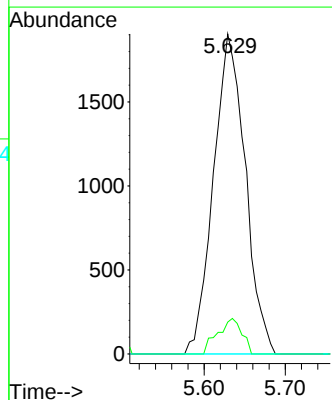
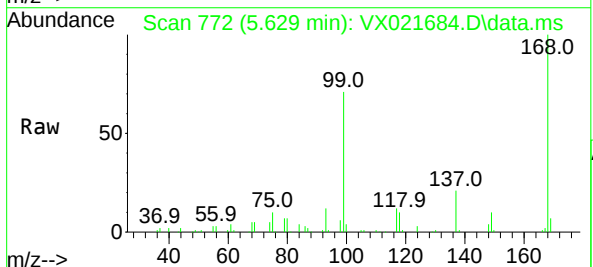
Instrument :
MSVOA_X
ClientSampled :

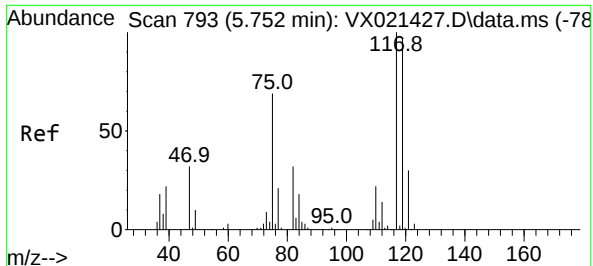
Tgt Ion:113 Resp: 37558
Ion Ratio Lower Upper
113 100
111 105.2 81.9 122.9
192 19.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.06 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

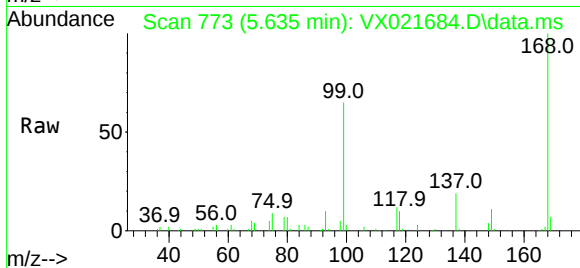
Tgt Ion: 75 Resp: 5191
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#



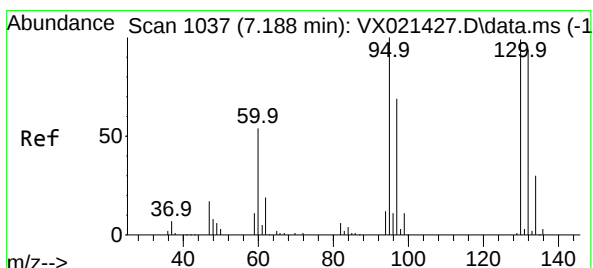
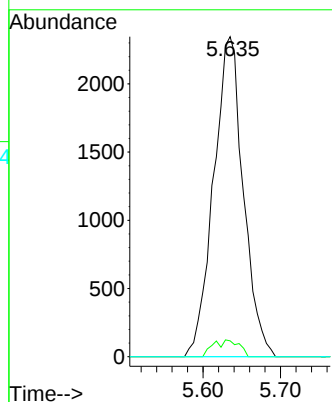
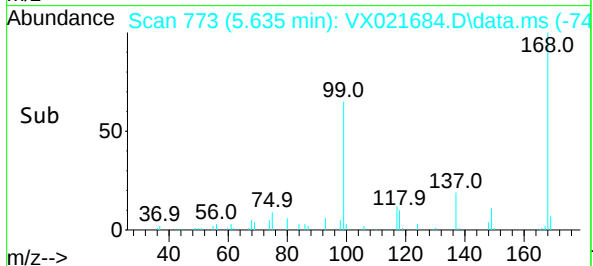


#38
Carbon Tetrachloride
Concen: 5.68 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.117 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

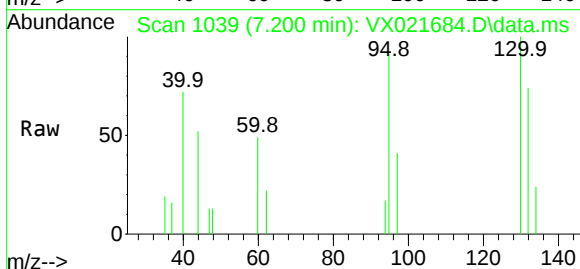
Instrument :
MSVOA_X
ClientSampled :



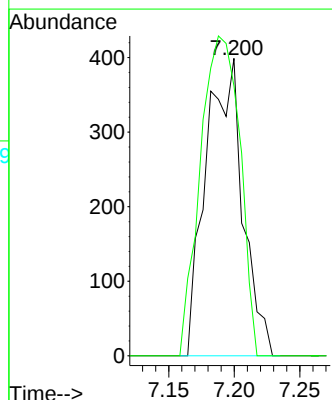
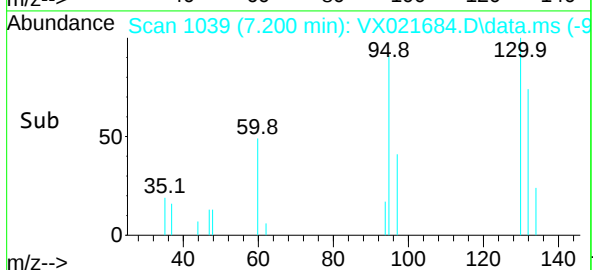
Tgt Ion:117 Resp: 6260
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

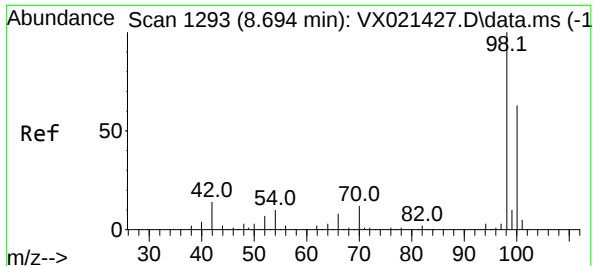


#44
Trichloroethene
Concen: 1.02 ug/l
RT: 7.200 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53



Tgt Ion:130 Resp: 781
Ion Ratio Lower Upper
130 100
95 90.7 0.0 198.0





#50

Toluene-d8

Concen: 50.28 ug/l

RT: 8.700 min Scan# 1294

Delta R.T. 0.006 min

Lab File: VX021684.D

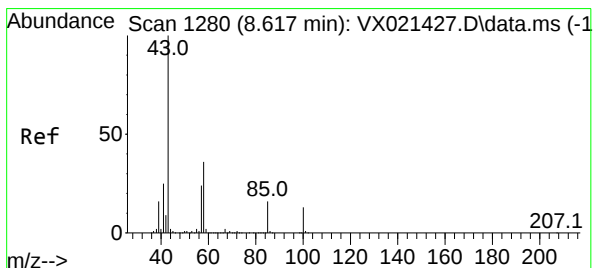
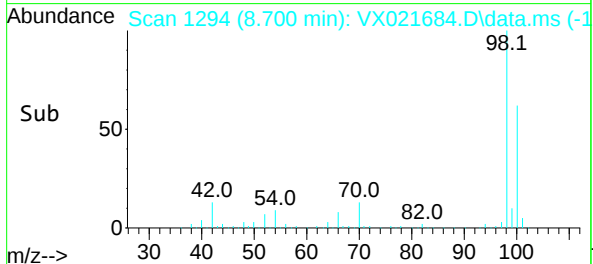
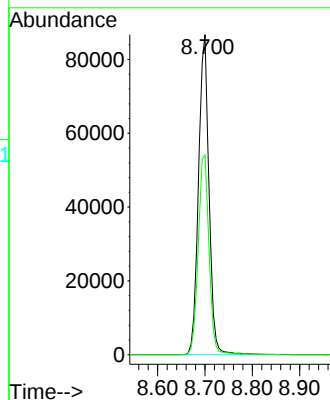
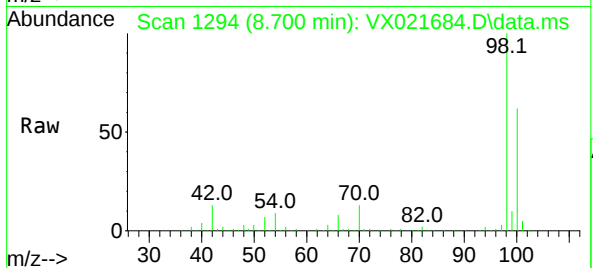
Acq: 31 Mar 2021 14:53

Tgt Ion: 98 Resp: 133134

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.64 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.077 min

Lab File: VX021684.D

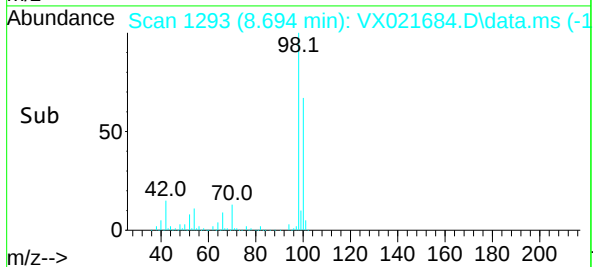
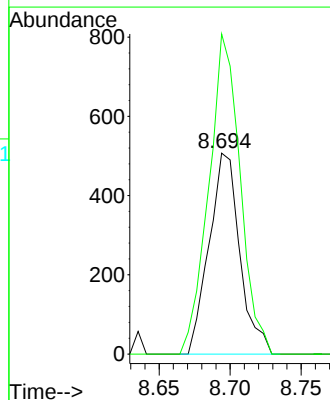
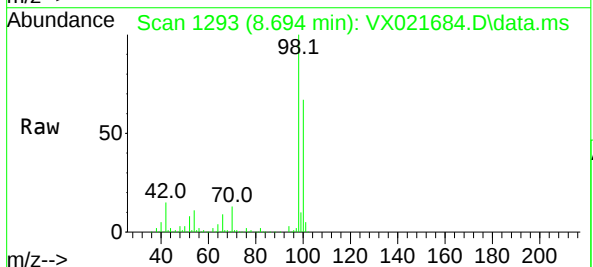
Acq: 31 Mar 2021 14:53

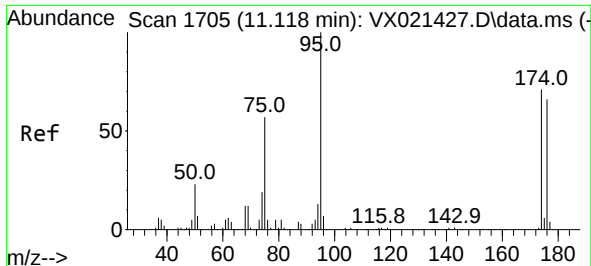
Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

58 163.0 35.4 53.0#

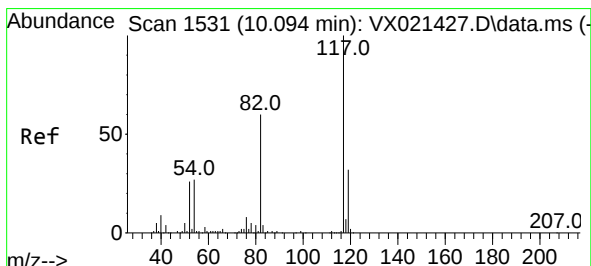
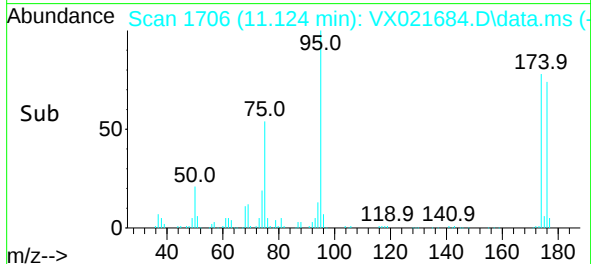
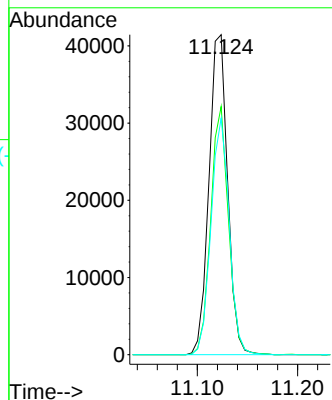
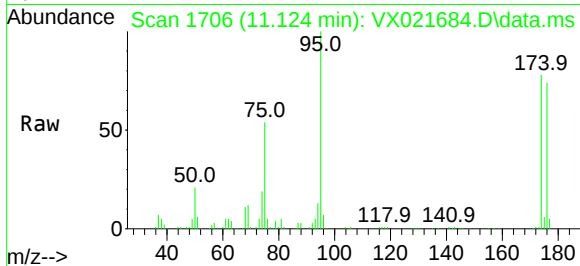




#62
4-Bromofluorobenzene
Concen: 52.17 ug/l
RT: 11.124 min Scan# 1706
Delta R.T. 0.006 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

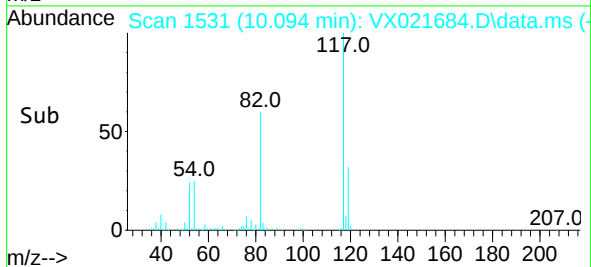
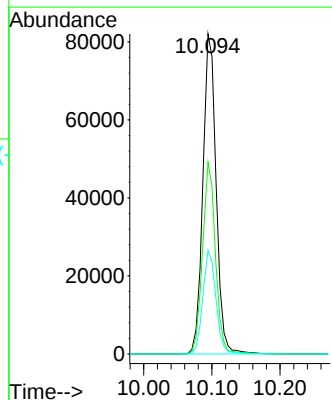
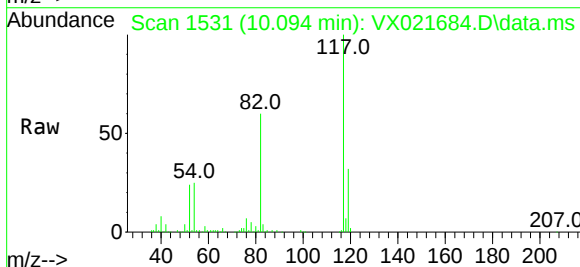
Instrument :
MSVOA_X
ClientSampled :

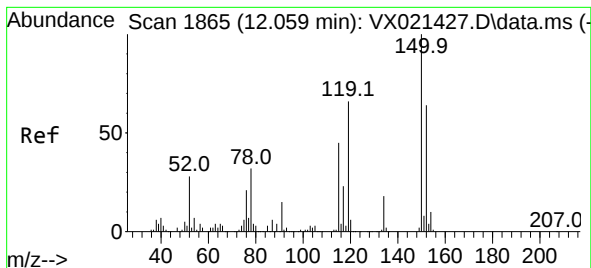
Tgt Ion: 95 Resp: 53703
Ion Ratio Lower Upper
95 100
174 74.0 0.0 154.6
176 72.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

Tgt Ion: 117 Resp: 110913
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 32.3 26.6 39.8

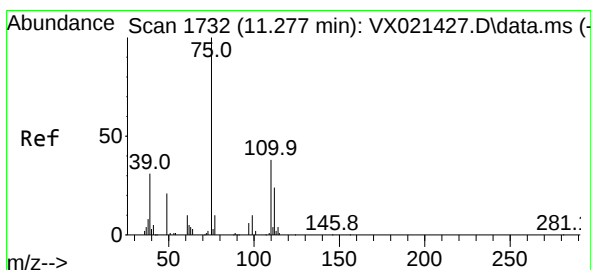
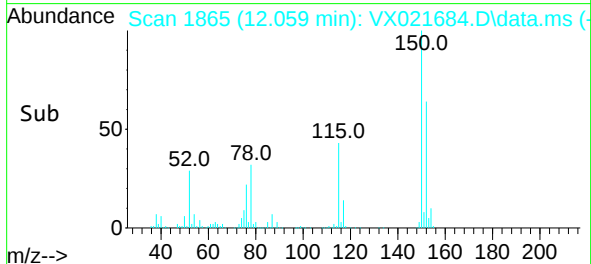
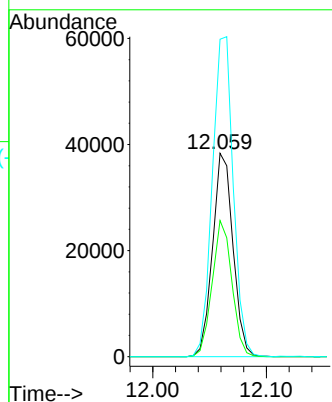
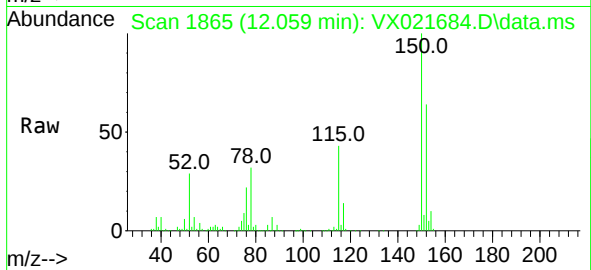




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

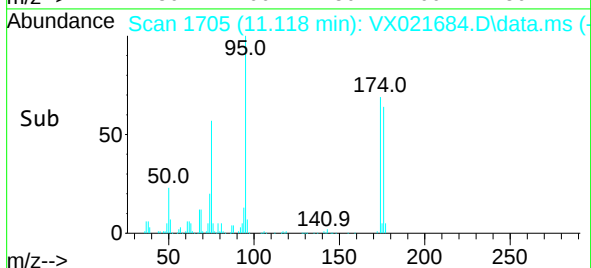
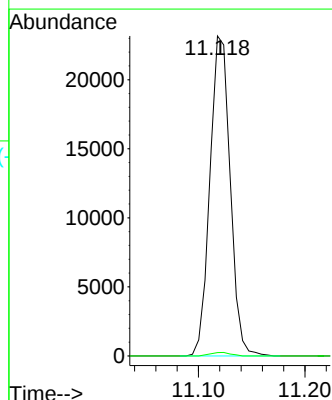
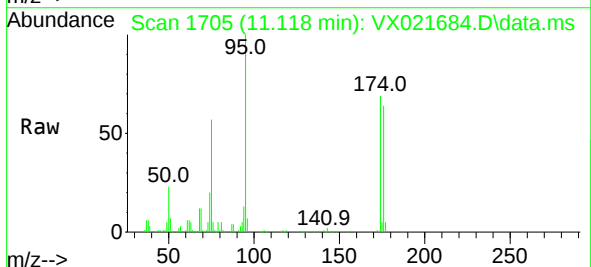
Instrument :
MSVOA_X
ClientSampled :

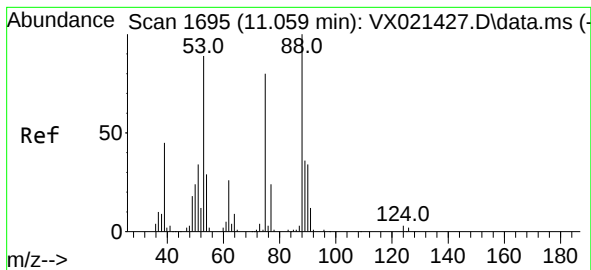
Tgt Ion:152 Resp: 47911
Ion Ratio Lower Upper
152 100
115 64.5 41.1 123.3
150 161.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.45 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021684.D
Acq: 31 Mar 2021 14:53

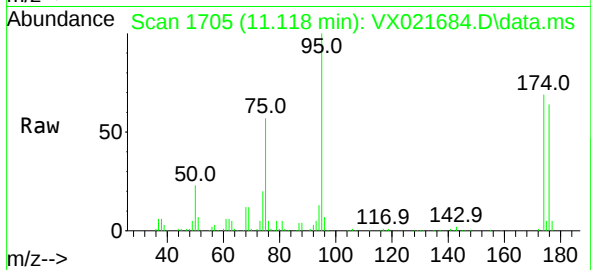
Tgt Ion: 75 Resp: 30618
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.62 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021684.D
 Acq: 31 Mar 2021 14:53

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30618
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

