

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021675.D
 Acq On : 31 Mar 2021 11:43
 Operator : JC/MD
 Sample : M1842-12DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 01 03:22:37 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)

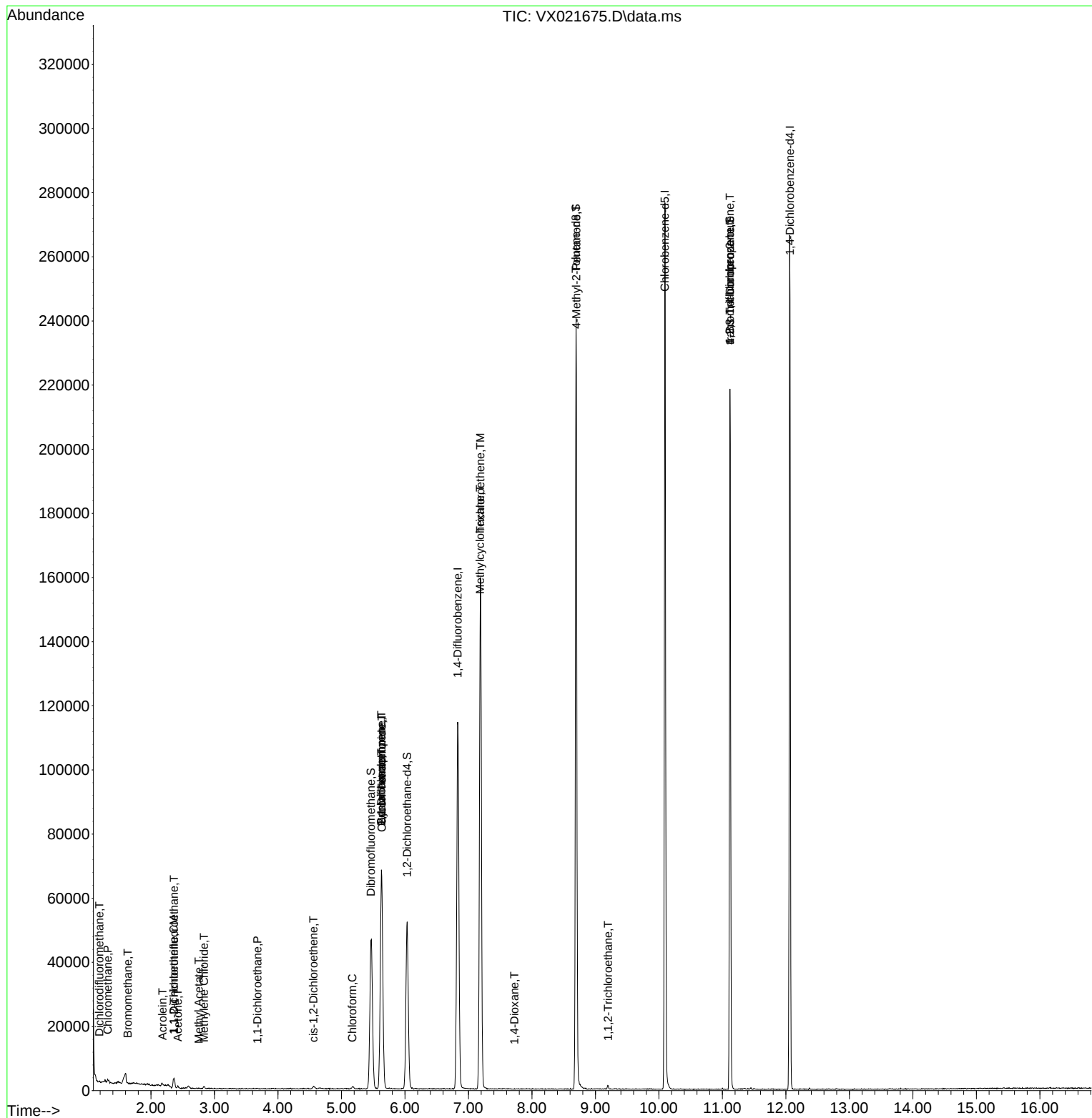
Internal Standards						
1) Pentafluorobenzene	5.629	168	58827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107734	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	49739	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	51056	52.16	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.32%	
35) Dibromofluoromethane	5.464	113	39146	51.15	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.30%	
50) Toluene-d8	8.694	98	136978	50.23	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.46%	
62) 4-Bromofluorobenzene	11.118	95	55809	52.64	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	132	0.20	ug/l #	42
3) Chloromethane	1.317	50	1366	1.88	ug/l #	83
5) Bromomethane	1.634	94	99	0.37	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.364	101	854	1.41	ug/l	90
12) 1,1-Dichloroethene	2.358	96	499	0.84	ug/l #	77
13) Acrolein	2.182	56	41	4.79	ug/l #	14
16) Acetone	2.423	43	630	1.70	ug/l #	66
18) Methyl Acetate	2.752	43	262	0.25	ug/l #	47
20) Methylene Chloride	2.835	84	213	0.29	ug/l #	41
24) 1,1-Dichloroethane	3.676	63	292	0.23	ug/l #	81
27) cis-1,2-Dichloroethene	4.558	96	464	0.61	ug/l	83
30) Chloroform	5.170	83	732	0.55	ug/l #	81
31) Cyclohexane	5.629	56	1496	1.39	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	5322	5.04	ug/l #	49
38) Carbon Tetrachloride	5.635	117	6524	5.75	ug/l #	16
39) Methylcyclohexane	7.182	83	828	0.71	ug/l #	1
44) Trichloroethene	7.188	130	55896	70.66	ug/l	91
49) 1,4-Dioxane	7.723	88	23	1.22	ug/l #	24
51) 4-Methyl-2-Pentanone	8.700	43	793	0.65	ug/l #	1
55) 1,1,2-Trichloroethane	9.200	97	295	0.38	ug/l #	88
76) 1,2,3-Trichloropropane	11.118	75	31457	27.17	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31457	82.75	ug/l #	12

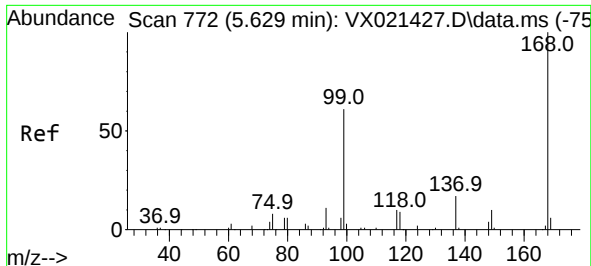
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Apr 01 03:22:37 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

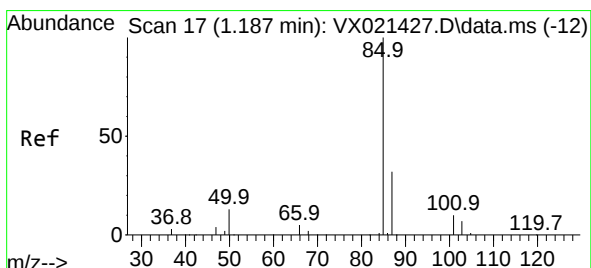
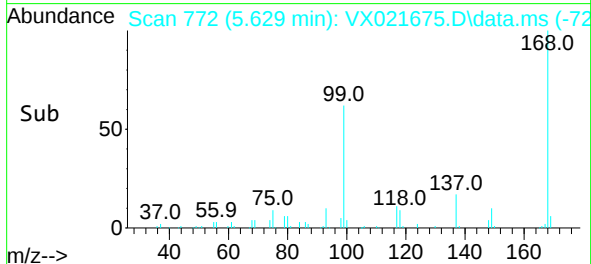
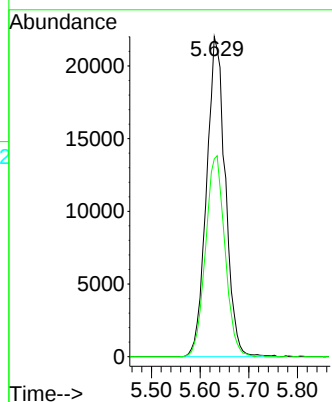
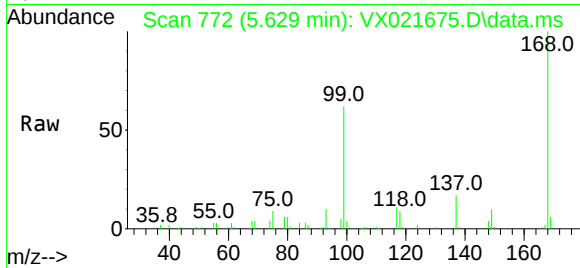




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

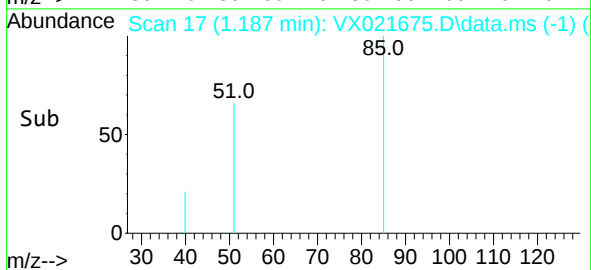
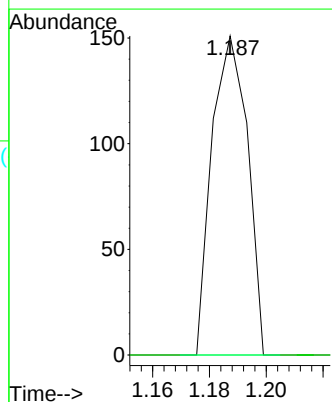
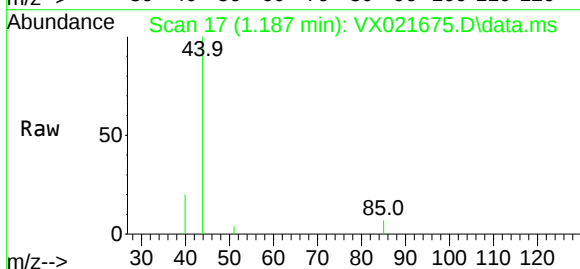
Instrument :
MSVOA_X
ClientSampleId :

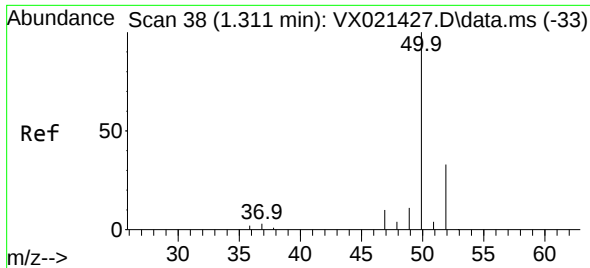
Tgt Ion:168 Resp: 58827
Ion Ratio Lower Upper
168 100
99 61.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.20 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 85 Resp: 132
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

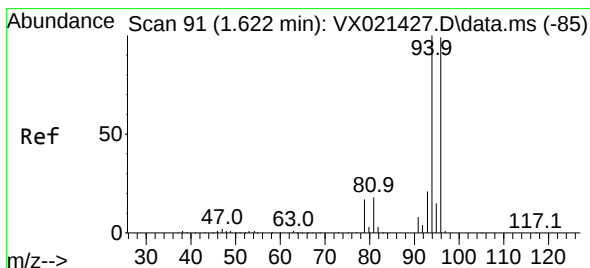
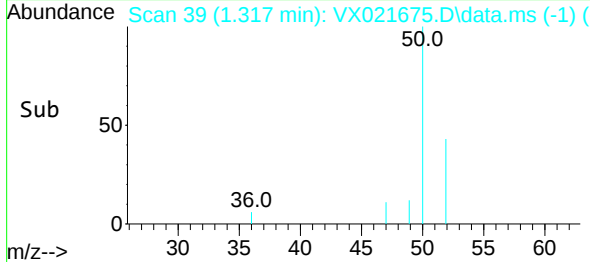
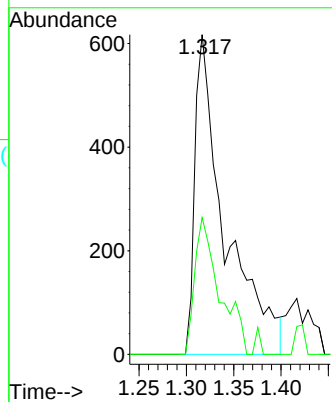
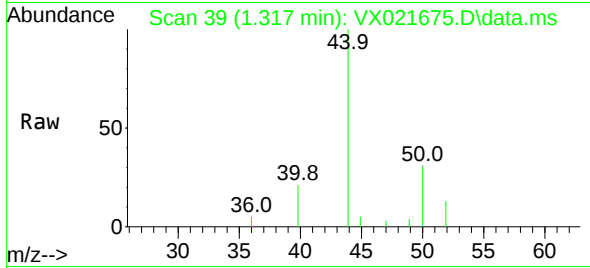




#3
Chloromethane
Concen: 1.88 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

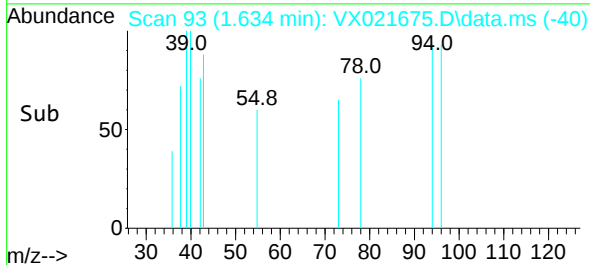
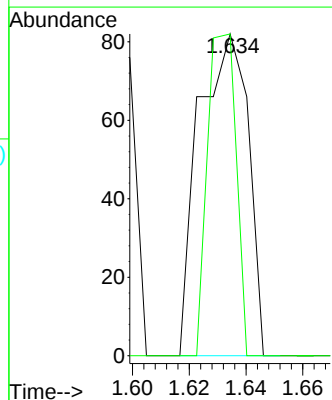
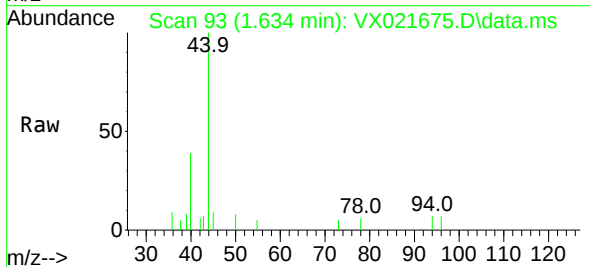
Instrument :
MSVOA_X
ClientSampled :

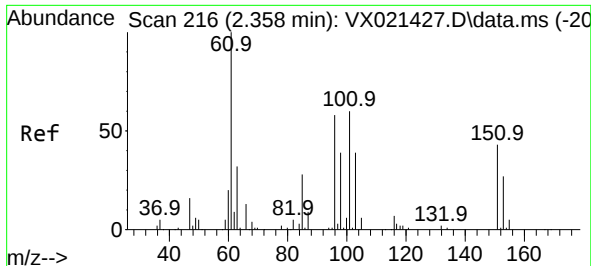
Tgt Ion: 50 Resp: 1366
Ion Ratio Lower Upper
50 100
52 42.8 26.4 39.6#



#5
Bromomethane
Concen: 0.37 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 100.0 76.4 114.6

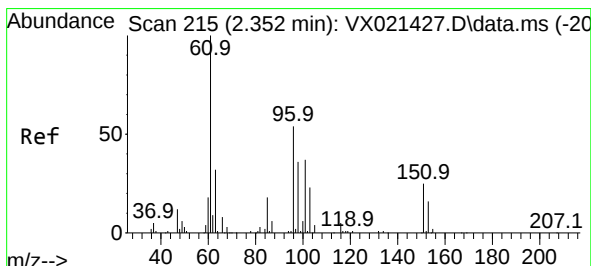
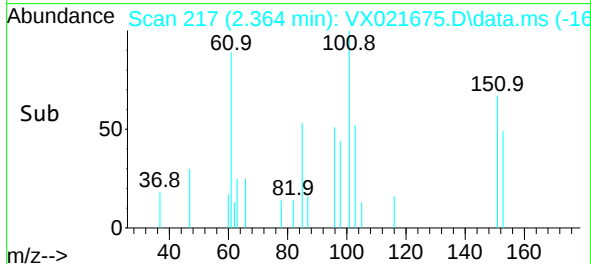
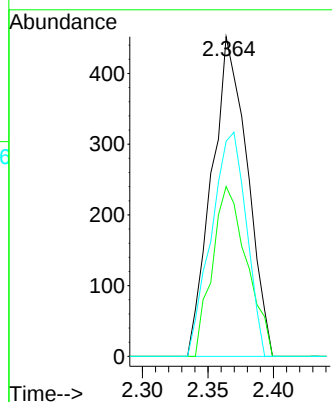
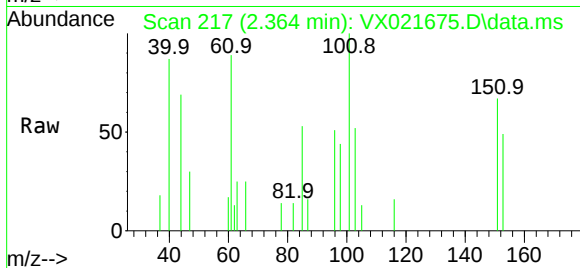




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.41 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

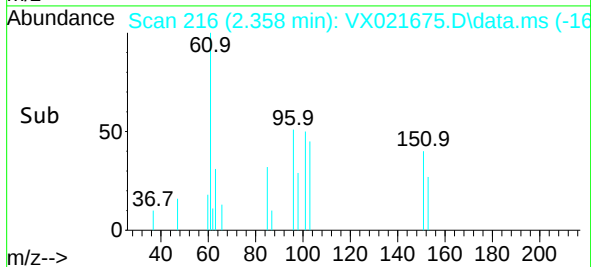
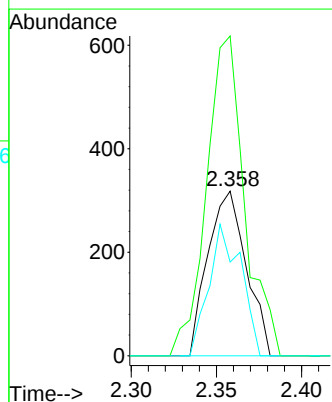
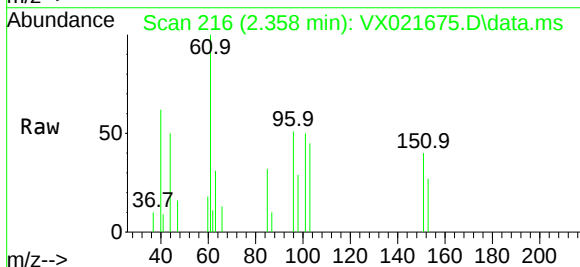
Instrument :
MSVOA_X
ClientSampled :

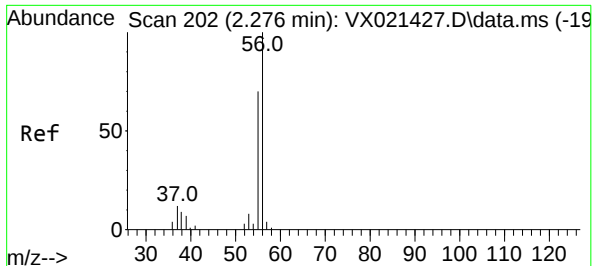
Tgt Ion:101 Resp: 854
Ion Ratio Lower Upper
101 100
85 51.6 34.9 52.3
151 68.7 61.4 92.2



#12
1,1-Dichloroethene
Concen: 0.84 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 96 Resp: 499
Ion Ratio Lower Upper
96 100
61 194.3 124.6 187.0#
98 56.9 50.6 76.0

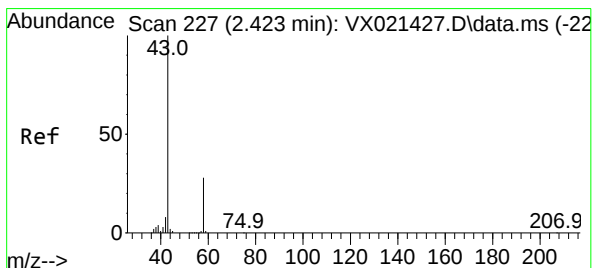
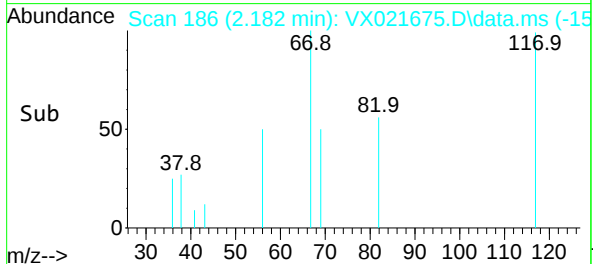
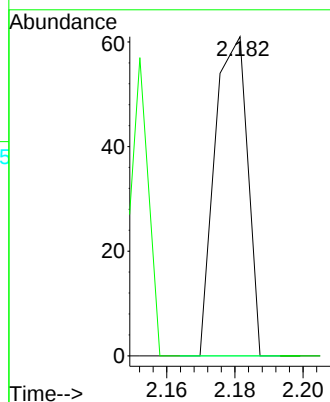
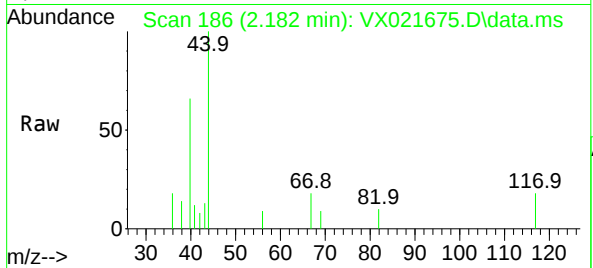




#13
Acrolein
Concen: 4.79 ug/l
RT: 2.182 min Scan# 186
Delta R.T. -0.094 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

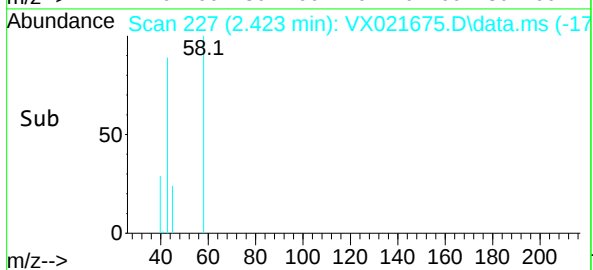
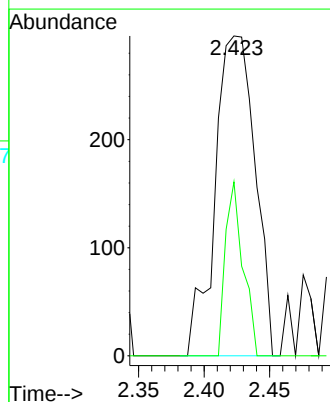
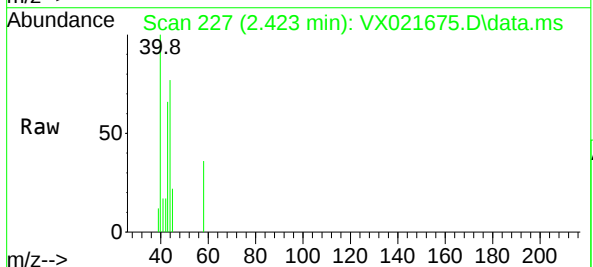
Instrument :
MSVOA_X
ClientSampled :

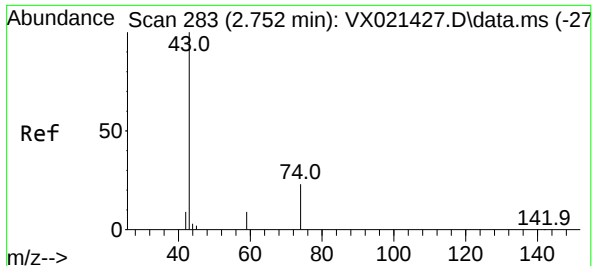
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 1.70 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

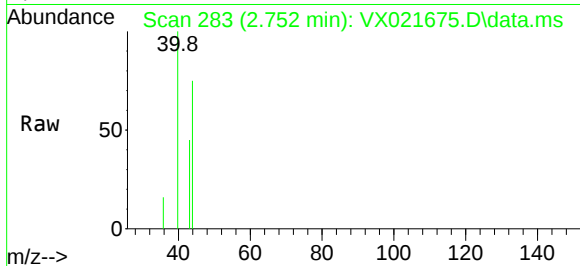
Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
58 54.4 27.8 41.8#



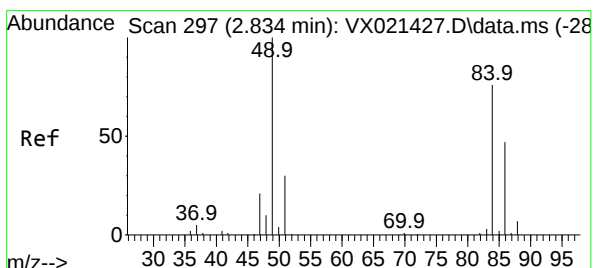
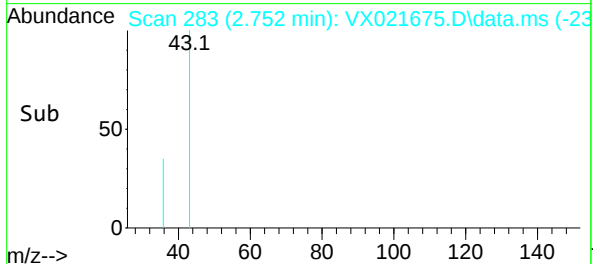
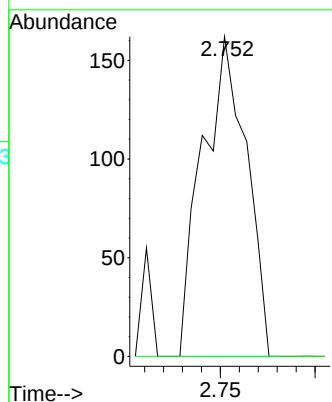


#18
Methyl Acetate
Concen: 0.25 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Instrument :
MSVOA_X
ClientSampleId :

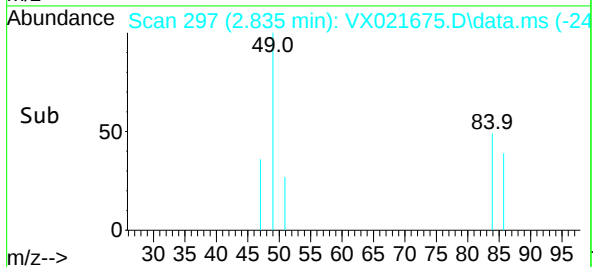
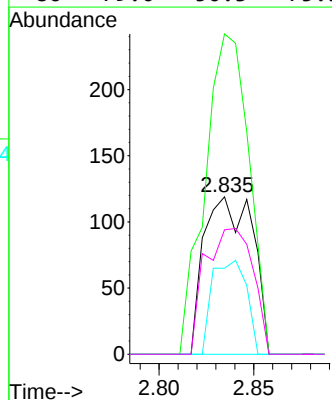
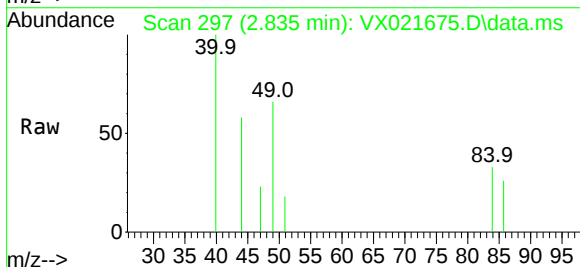


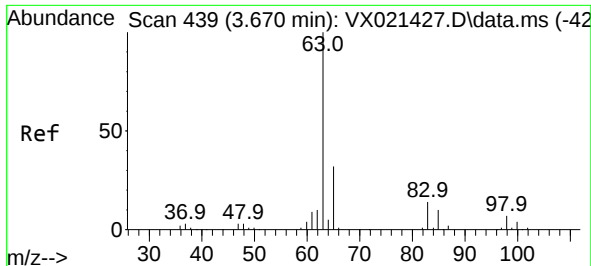
Tgt Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.29 ug/l
RT: 2.835 min Scan# 297
Delta R.T. 0.001 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 84 Resp: 213
Ion Ratio Lower Upper
84 100
49 203.4 88.6 132.8#
51 54.6 27.0 40.6#
86 79.0 50.3 75.5#

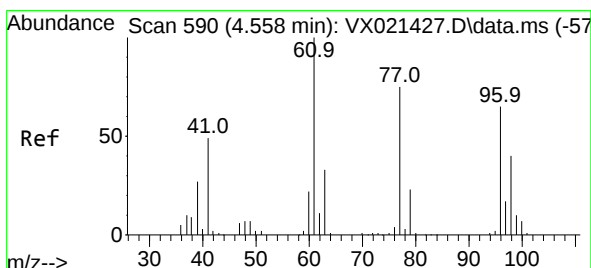
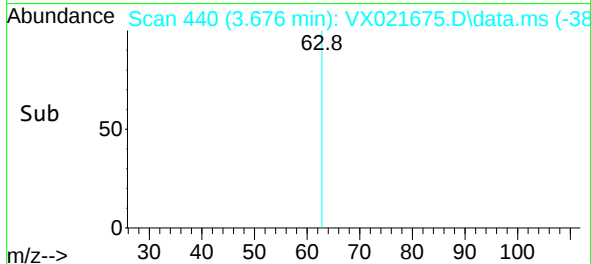
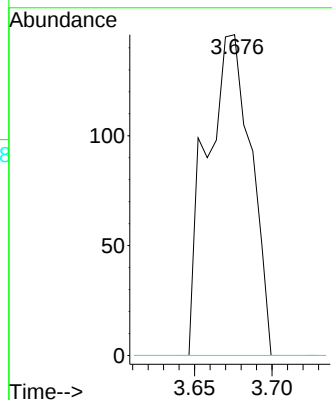
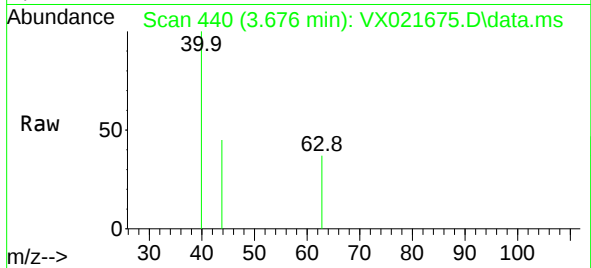




#24
1,1-Dichloroethane
Concen: 0.23 ug/l
RT: 3.676 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

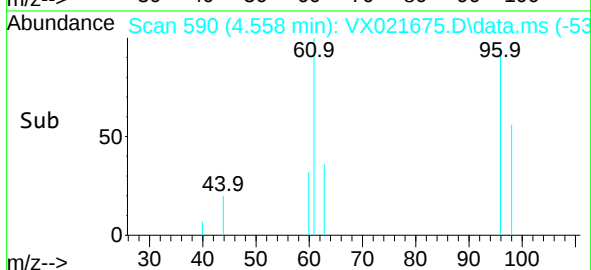
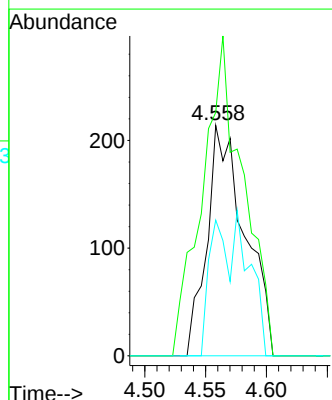
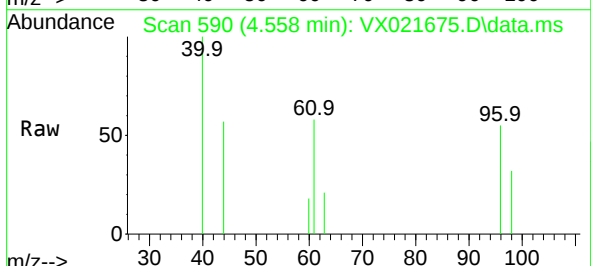
Instrument :
MSVOA_X
ClientSampleId :

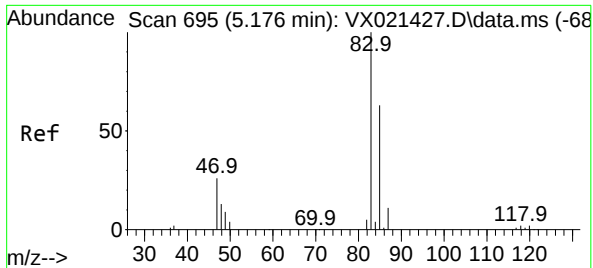
Tgt Ion: 63 Resp: 292
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.61 ug/l
RT: 4.558 min Scan# 590
Delta R.T. 0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 96 Resp: 464
Ion Ratio Lower Upper
96 100
61 148.5 0.0 285.6
98 29.7 0.0 129.6

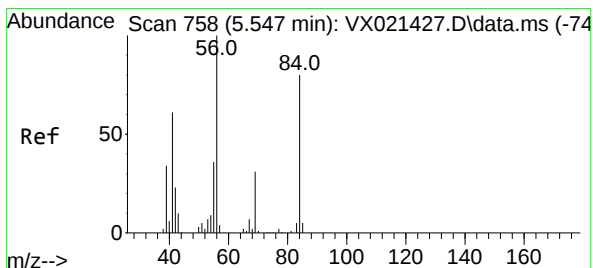
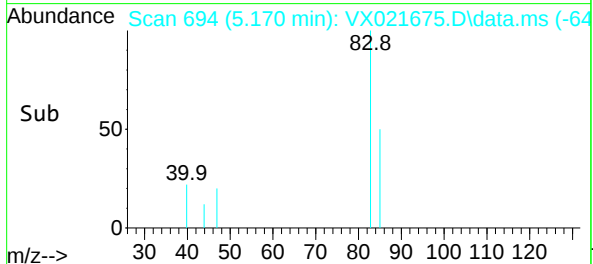
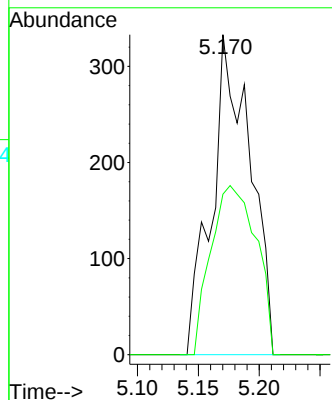
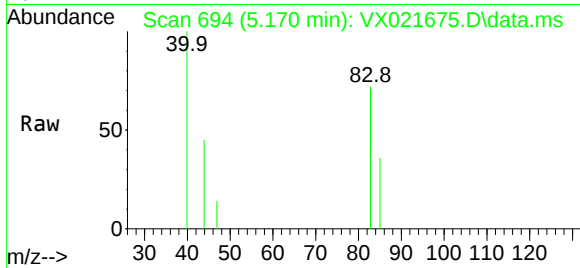




#30
Chloroform
Concen: 0.55 ug/l
RT: 5.170 min Scan# 694
Delta R.T. -0.006 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

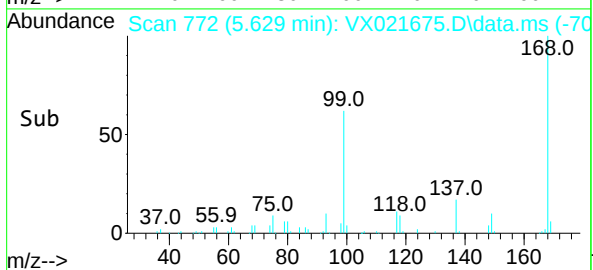
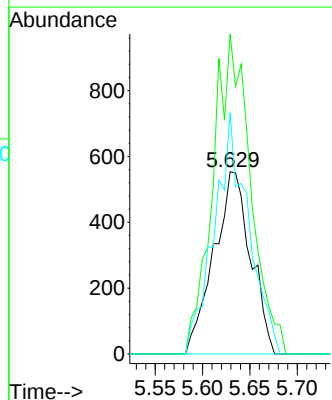
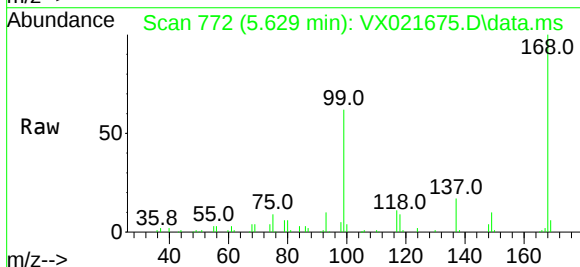
Instrument :
MSVOA_X
ClientSampleId :

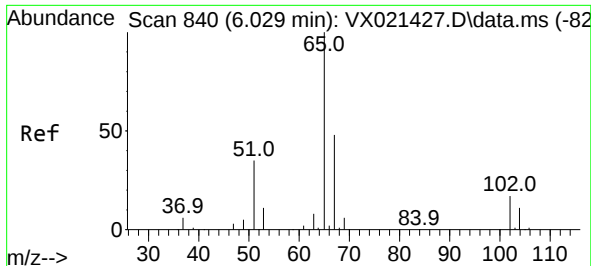
Tgt Ion: 83 Resp: 732
Ion Ratio Lower Upper
83 100
85 50.2 52.0 78.0#



#31
Cyclohexane
Concen: 1.39 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 56 Resp: 1496
Ion Ratio Lower Upper
56 100
69 175.8 25.3 37.9#
84 132.5 71.4 107.0#

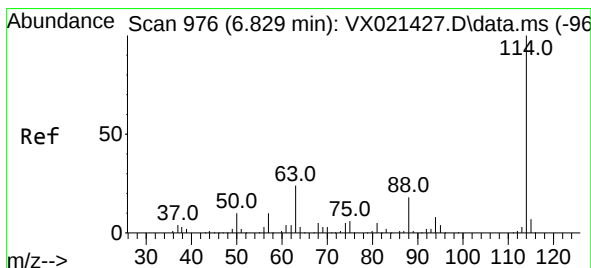
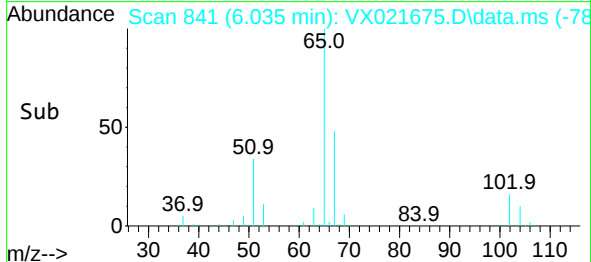
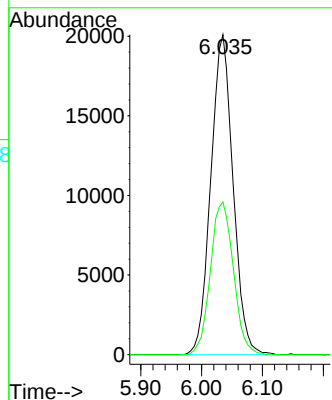
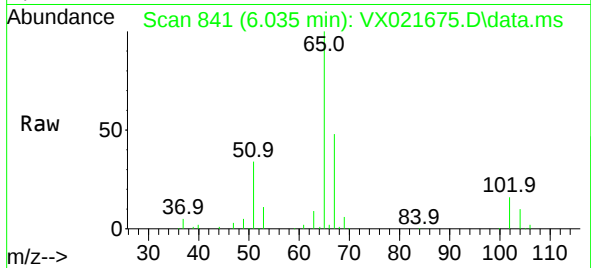




#33
1,2-Dichloroethane-d4
Concen: 52.16 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

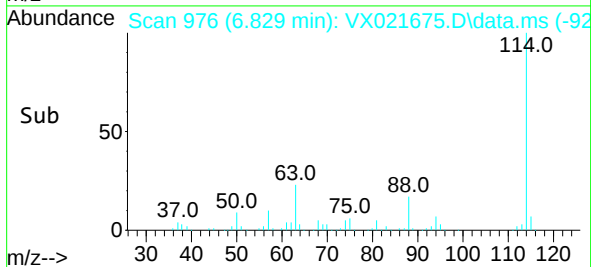
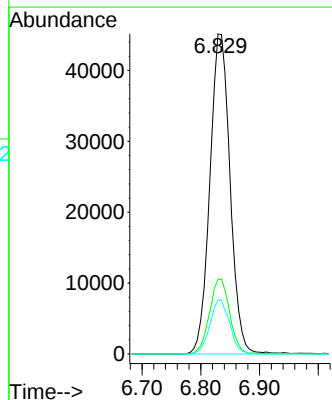
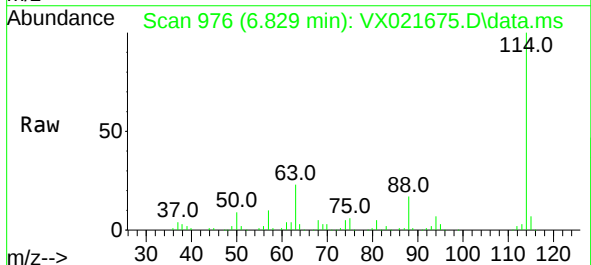
Instrument :
MSVOA_X
ClientSampleId :

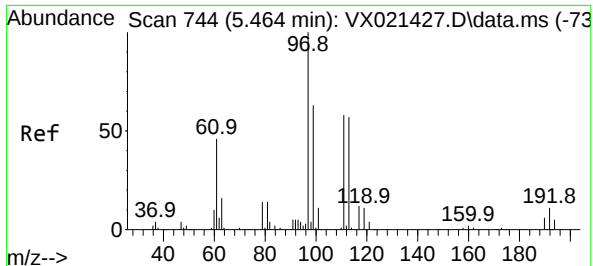
Tgt Ion: 65 Resp: 51056
Ion Ratio Lower Upper
65 100
67 49.4 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 114 Resp: 107734
Ion Ratio Lower Upper
114 100
63 23.3 0.0 40.8
88 16.9 0.0 32.8

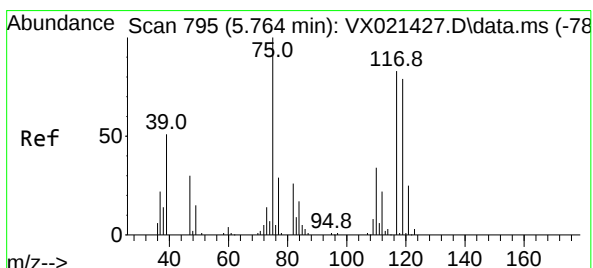
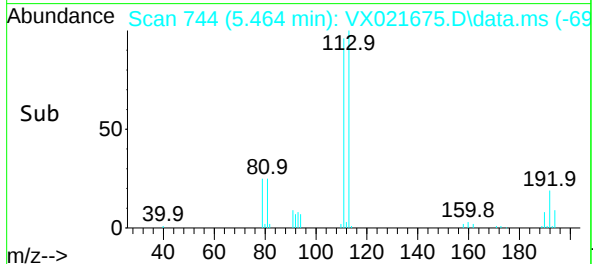
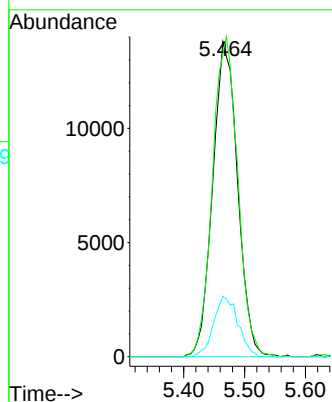
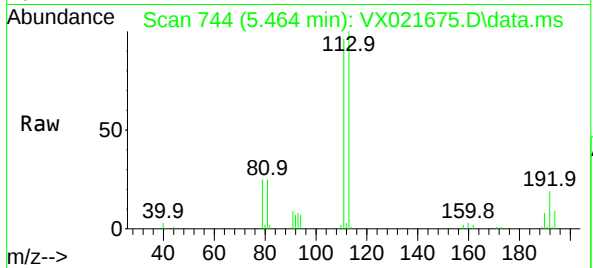




#35
Dibromofluoromethane
Concen: 51.15 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

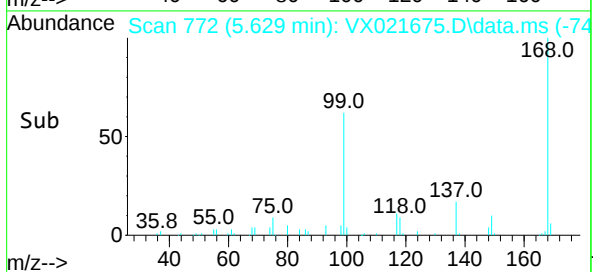
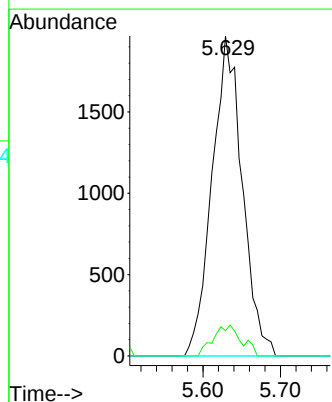
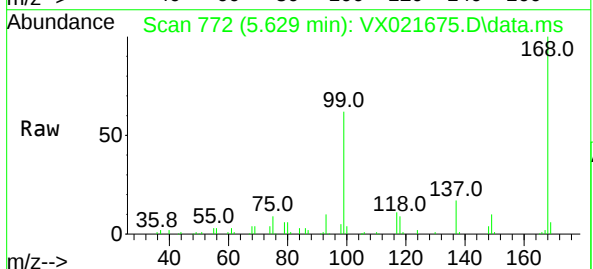
Instrument :
MSVOA_X
ClientSampleId :

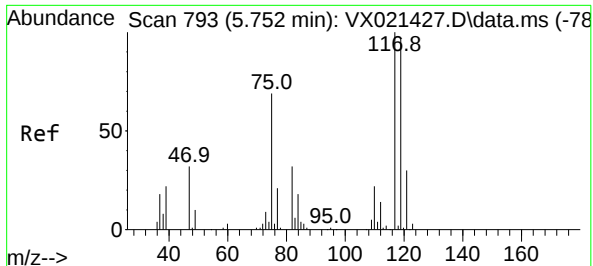
Tgt Ion:113 Resp: 39146
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 18.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

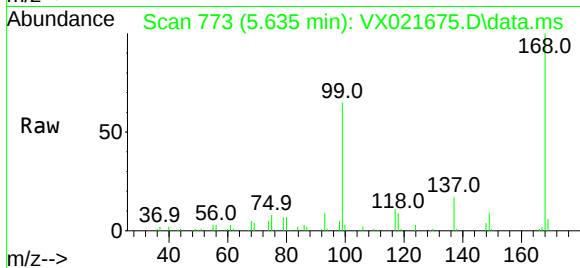
Tgt Ion: 75 Resp: 5322
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



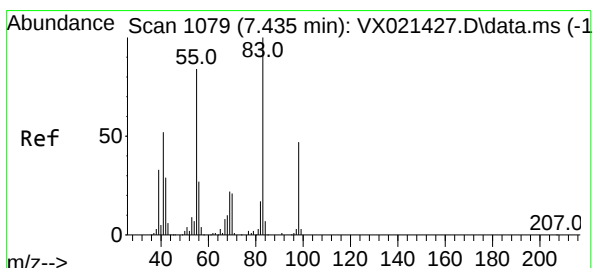
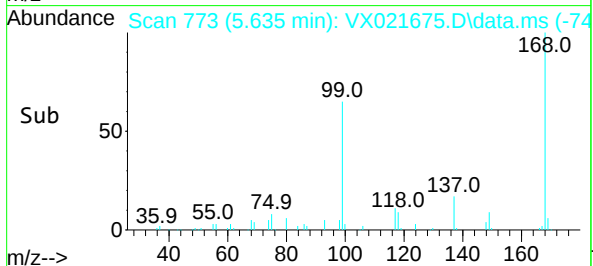
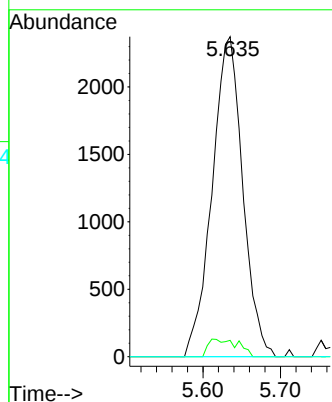


#38
Carbon Tetrachloride
Concen: 5.75 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.117 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Instrument :
MSVOA_X
ClientSampleId :

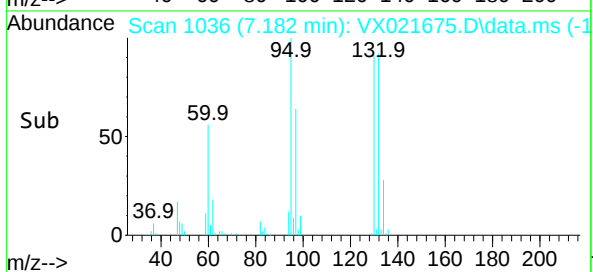
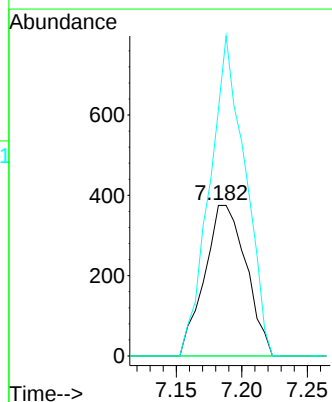
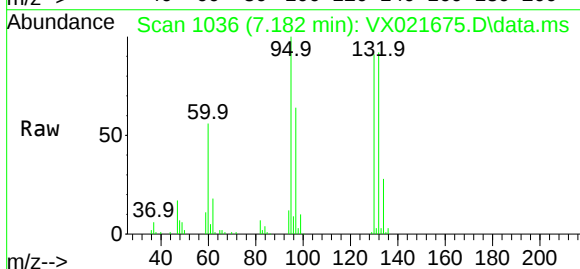


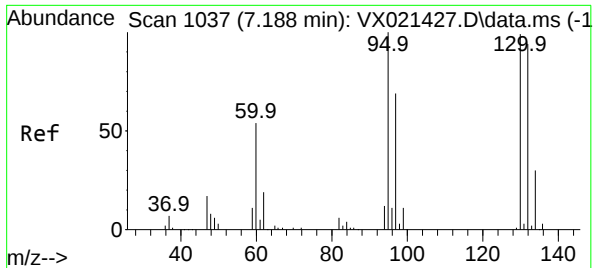
Tgt Ion:117 Resp: 6524
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.71 ug/l
RT: 7.182 min Scan# 1036
Delta R.T. -0.253 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 83 Resp: 828
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 163.7 38.1 57.1#

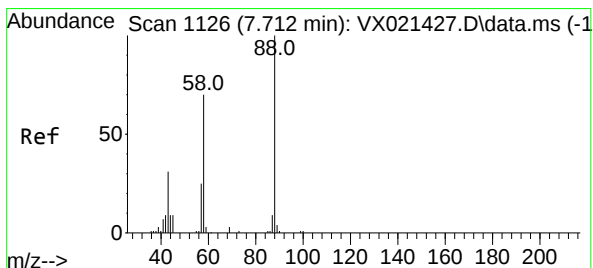
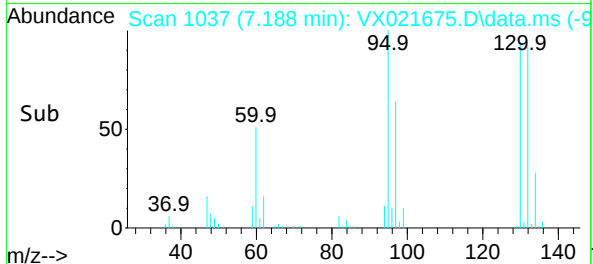
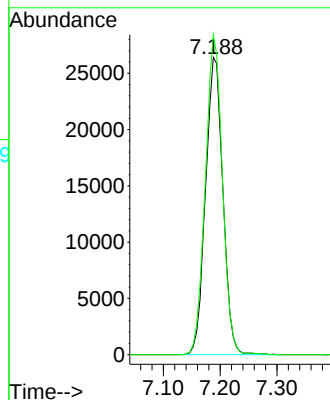
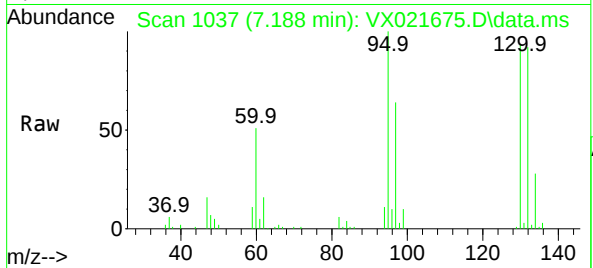




#44
Trichloroethene
Concen: 70.66 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

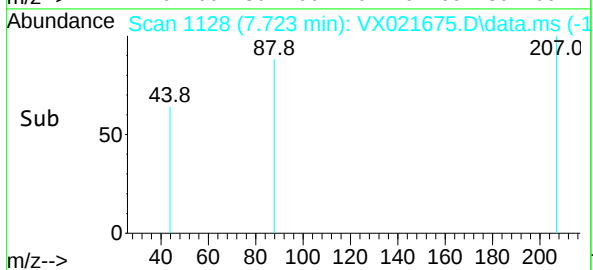
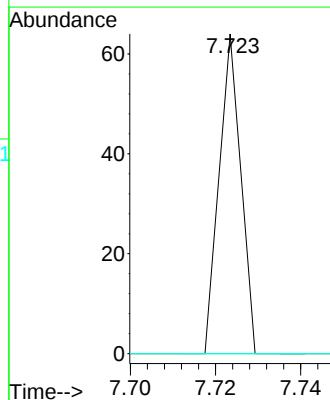
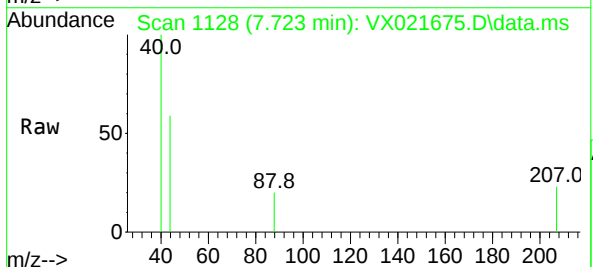
Instrument :
MSVOA_X
ClientSampled :

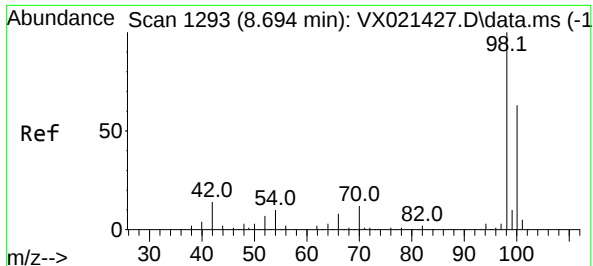
Tgt Ion:130 Resp: 55896
Ion Ratio Lower Upper
130 100
95 107.6 0.0 198.0



#49
1,4-Dioxane
Concen: 1.22 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#





#50

Toluene-d8

Concen: 50.23 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021675.D

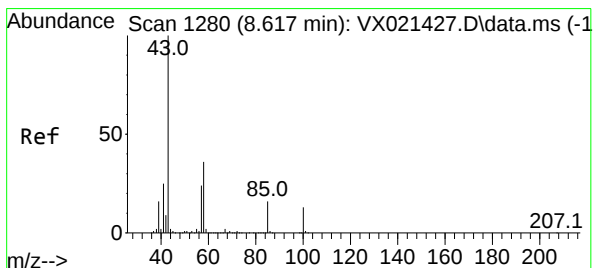
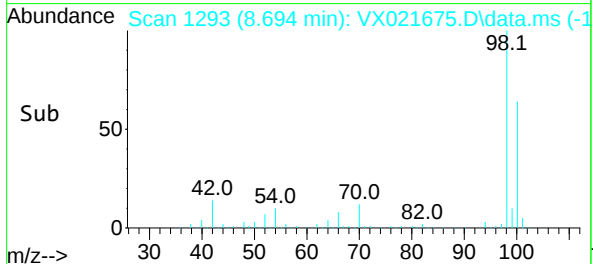
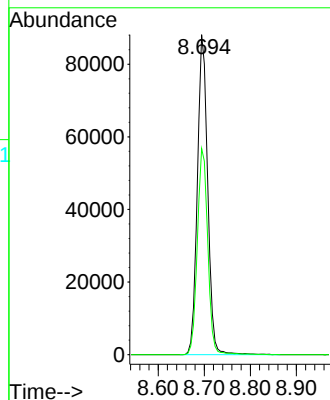
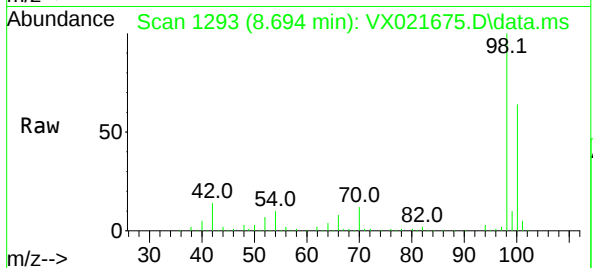
Acq: 31 Mar 2021 11:43

Tgt Ion: 98 Resp: 136978

Ion Ratio Lower Upper

98 100

100 65.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.65 ug/l

RT: 8.700 min Scan# 1294

Delta R.T. 0.083 min

Lab File: VX021675.D

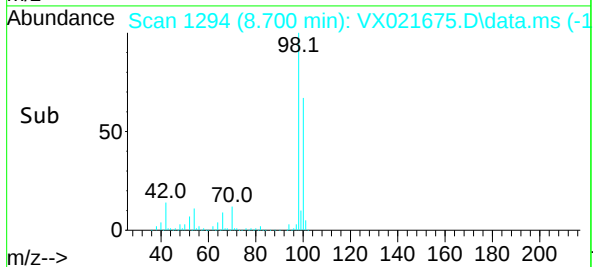
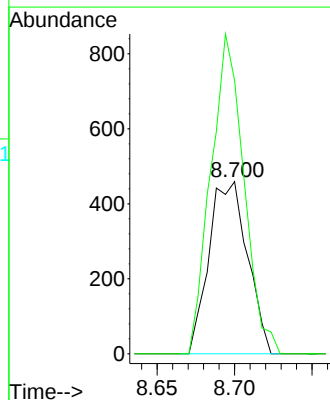
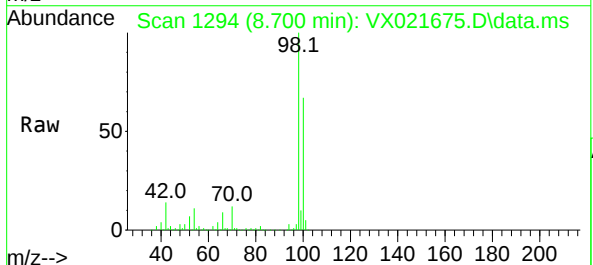
Acq: 31 Mar 2021 11:43

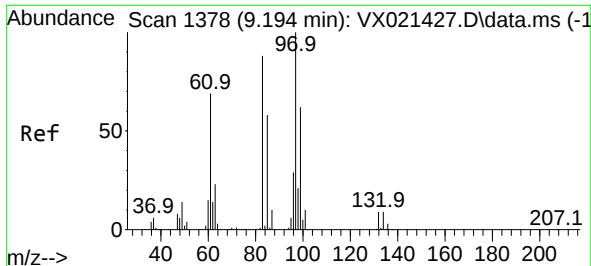
Tgt Ion: 43 Resp: 793

Ion Ratio Lower Upper

43 100

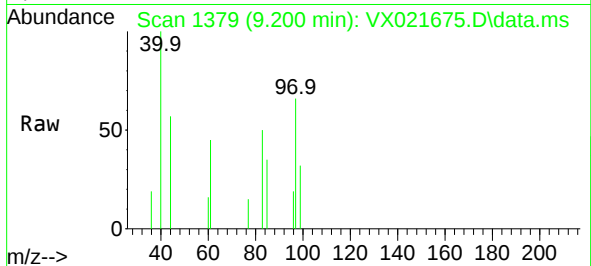
58 159.5 35.4 53.0#



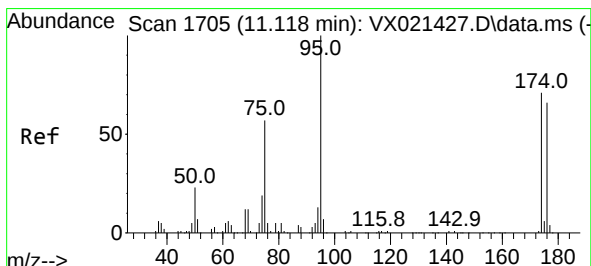
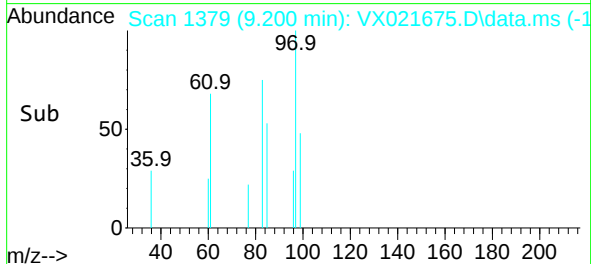
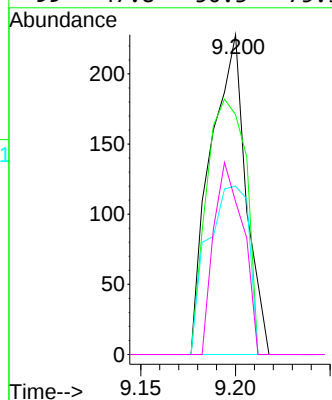


#55
1,1,2-Trichloroethane
Concen: 0.38 ug/l
RT: 9.200 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Instrument :
MSVOA_X
ClientSampleId :

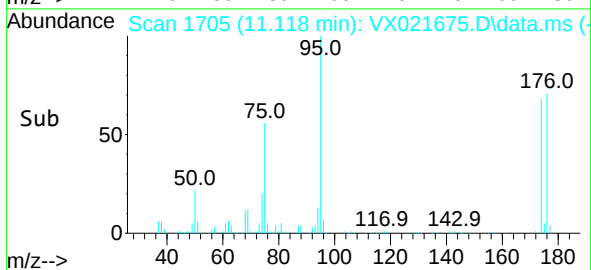
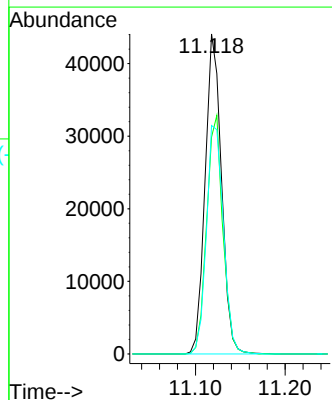
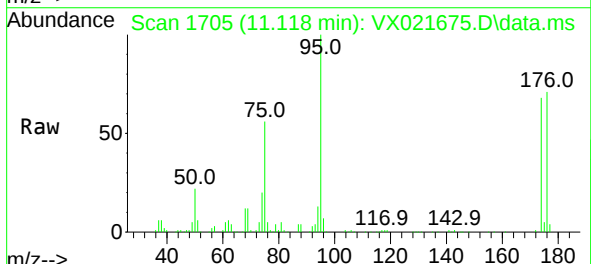


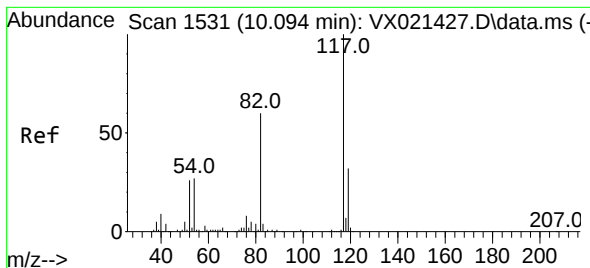
Tgt Ion:	97	Resp:	295
Ion	Ratio	Lower	Upper
97	100		
83	75.0	69.3	103.9
85	52.6	44.3	66.5
99	47.8	50.3	75.5#



#62
4-Bromofluorobenzene
Concen: 52.64 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion:	95	Resp:	55809
Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	154.6
176	74.5	0.0	155.8

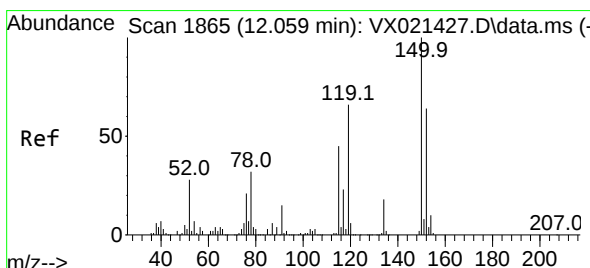
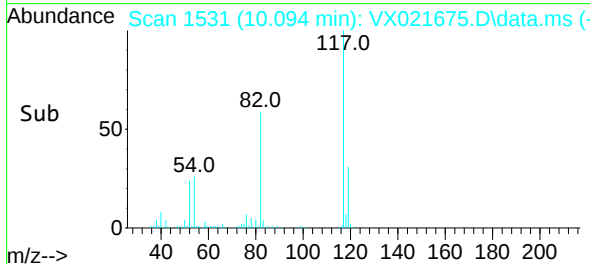
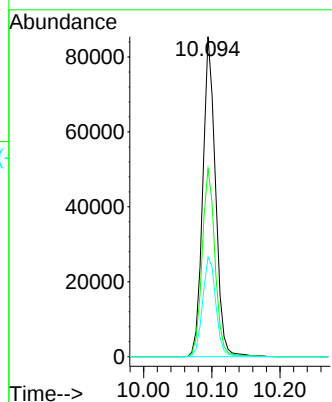
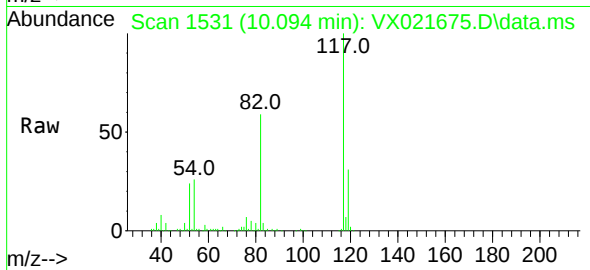




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

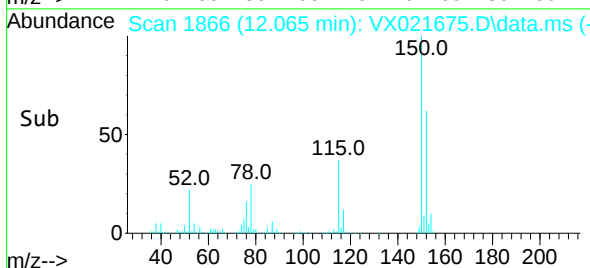
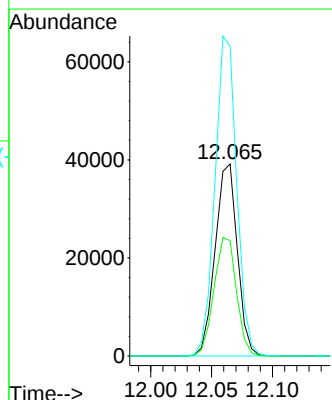
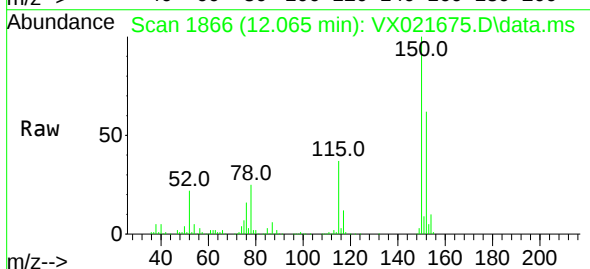
Instrument :
MSVOA_X
ClientSampleId :

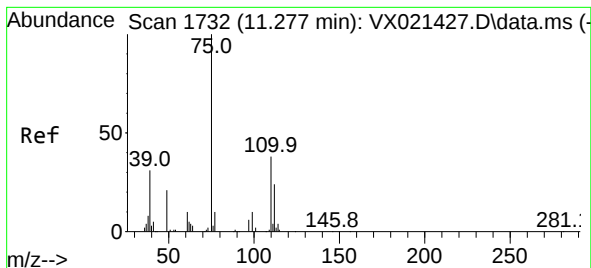
Tgt Ion:117 Resp: 110848
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion:152 Resp: 49739
Ion Ratio Lower Upper
152 100
115 62.4 41.1 123.3
150 162.6 0.0 349.0

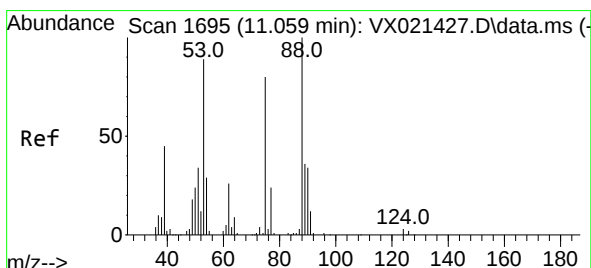
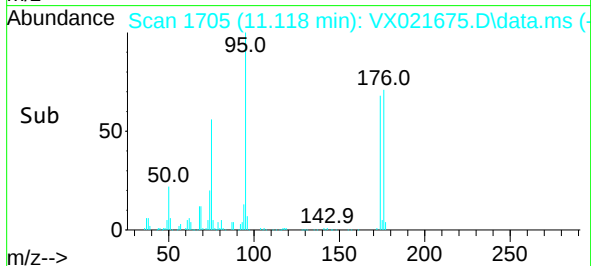
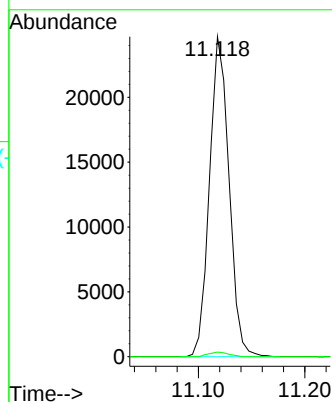
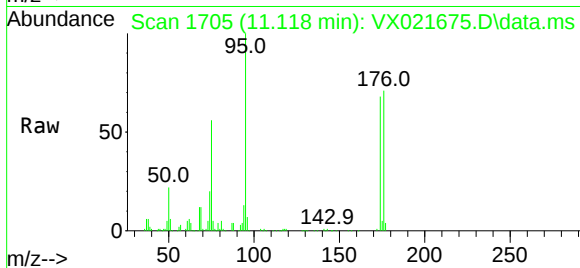




#76
1,2,3-Trichloropropane
Concen: 27.17 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 31457
Ion Ratio Lower Upper
75 100
77 1.5 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.75 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021675.D
Acq: 31 Mar 2021 11:43

Tgt Ion: 75 Resp: 31457
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

