

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042321\
 Data File : VX021860.D
 Acq On : 23 Apr 2021 22:03
 Operator : JC/MD
 Sample : M2138-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 152140-MW-15S

Quant Time: Apr 26 04:08:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	180696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	304033	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	275165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	139793	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	99629	48.60	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.20%
35) Dibromofluoromethane	5.464	113	96273	49.52	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.04%
50) Toluene-d8	8.695	98	359339	48.07	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.14%
62) 4-Bromofluorobenzene	11.122	95	132027	47.29	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.58%

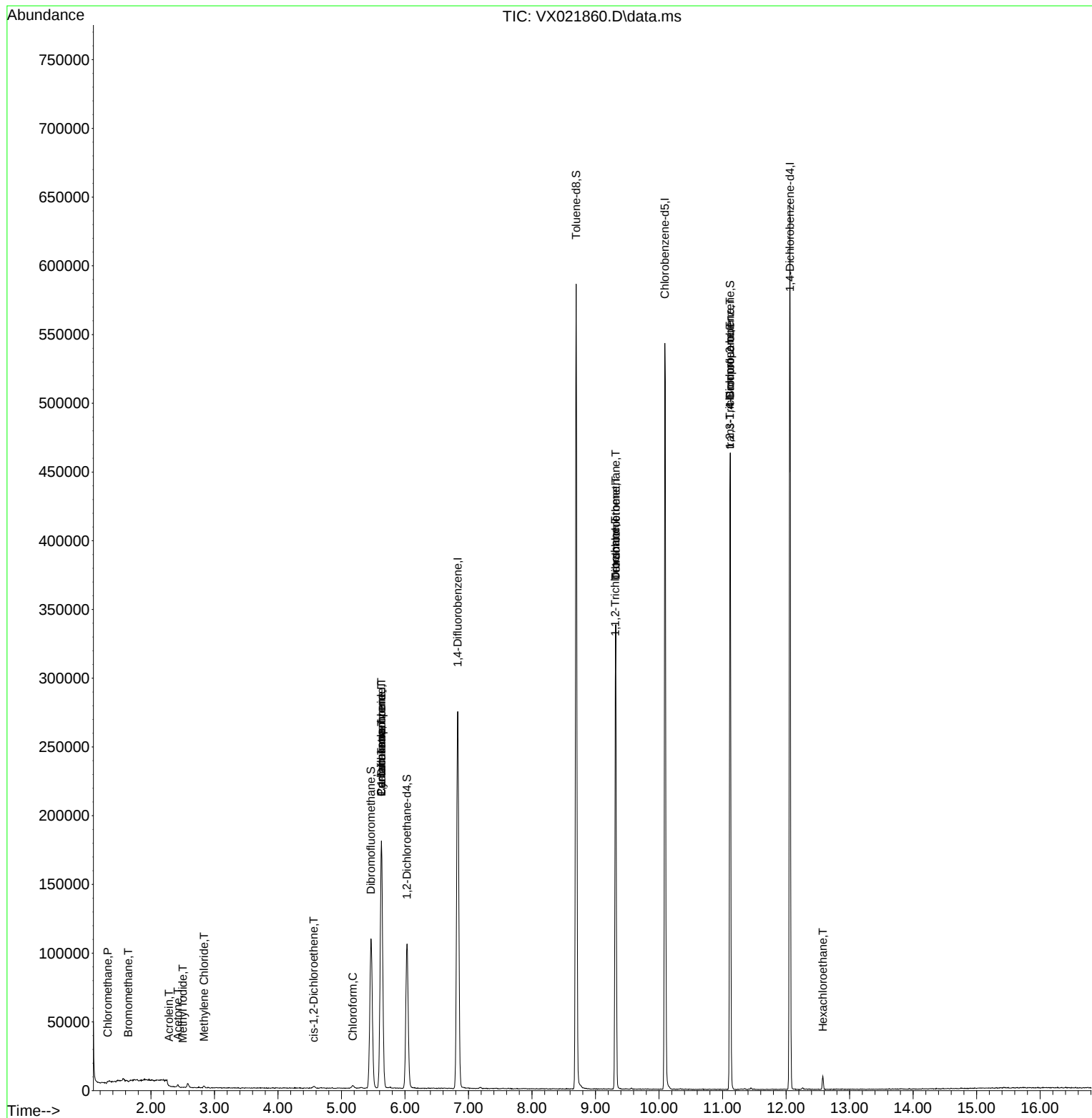
Target Compounds						Qvalue
3) Chloromethane	1.319	50	550	0.54	ug/l #	88
5) Bromomethane	1.642	94	289	0.32	ug/l #	65
10) Methyl Iodide	2.501	142	46	8.17	ug/l #	42
13) Acrolein	2.282	56	114	0.31	ug/l #	14
16) Acetone	2.422	43	1964	2.79	ug/l	88
20) Methylene Chloride	2.837	84	675	0.32	ug/l #	77
27) cis-1,2-Dichloroethene	4.562	96	983	0.45	ug/l	82
30) Chloroform	5.178	83	2268	0.66	ug/l	89
31) Cyclohexane	5.629	56	3036	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	11910	4.44	ug/l #	49
38) Carbon Tetrachloride	5.629	117	16604	5.65	ug/l #	16
55) 1,1,2-Trichloroethane	9.311	97	582	0.27	ug/l #	8
60) Dibromochloromethane	9.317	129	64687	24.99	ug/l #	11
64) Tetrachloroethene	9.317	164	68179	31.69	ug/l	97
76) 1,2,3-Trichloropropane	11.116	75	59139	21.33	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	59139	49.06	ug/l #	12
90) Hexachloroethane	12.579	117	1562	0.95	ug/l	91

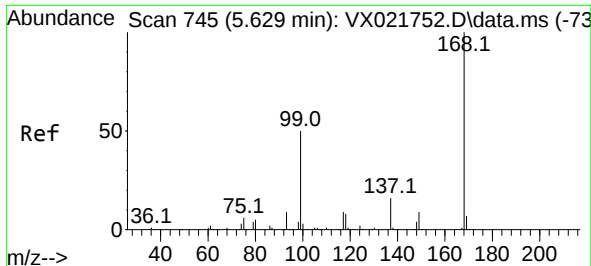
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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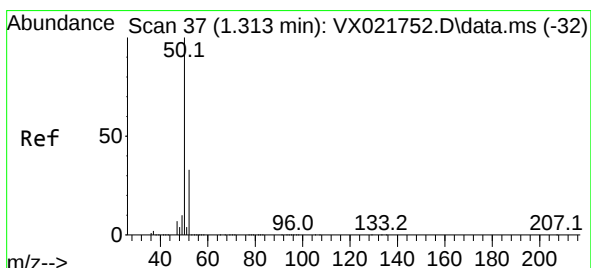
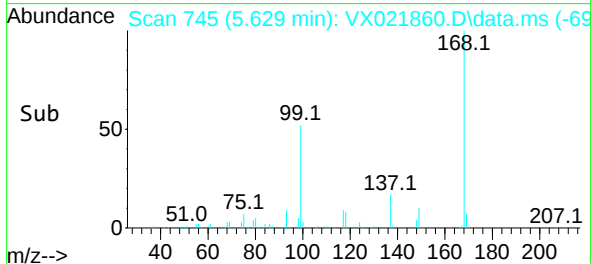
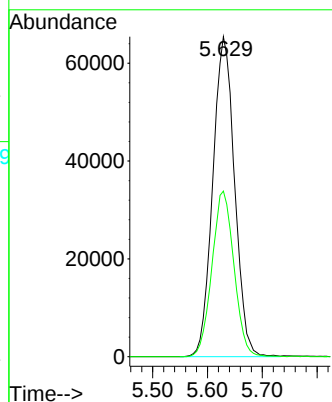
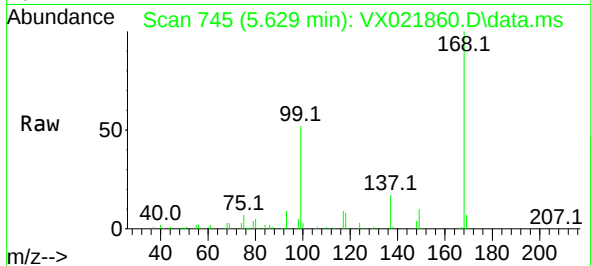




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

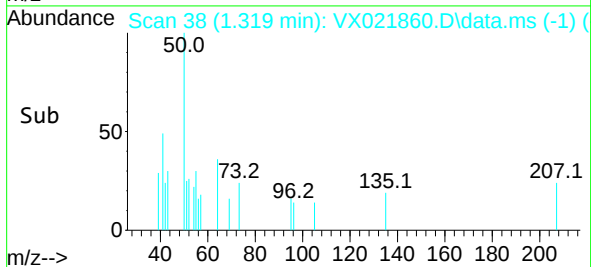
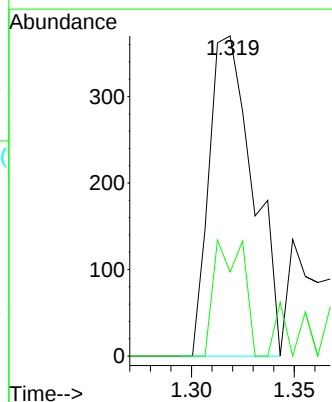
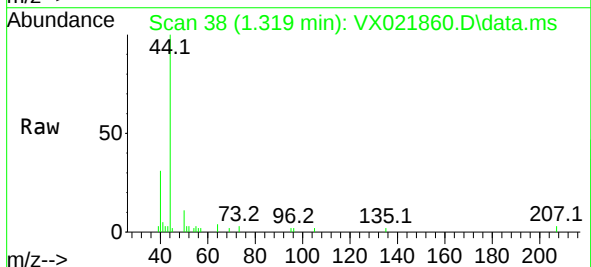
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-15S

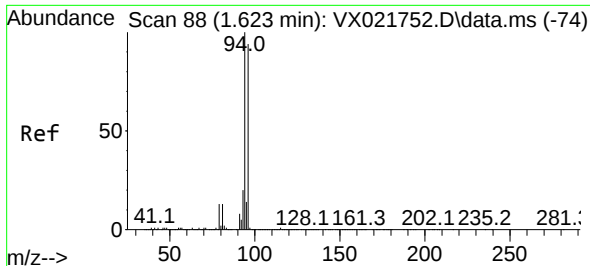
Tgt Ion:168 Resp: 180696
Ion Ratio Lower Upper
168 100
99 51.8 45.8 68.6



#3
Chloromethane
Concen: 0.54 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

Tgt Ion: 50 Resp: 550
Ion Ratio Lower Upper
50 100
52 26.2 26.4 39.6#

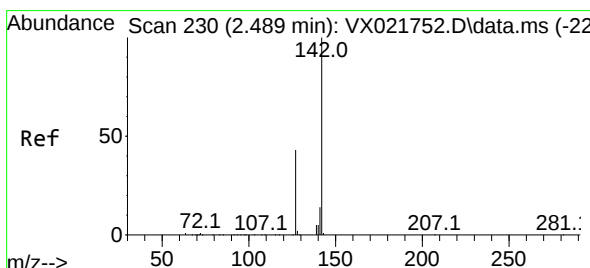
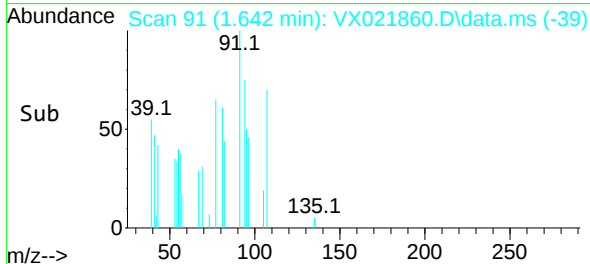
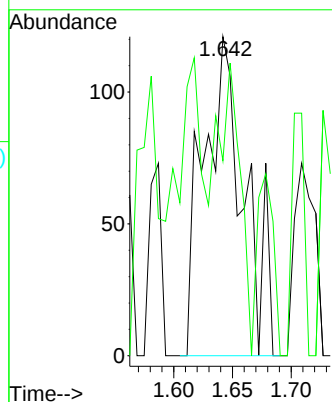
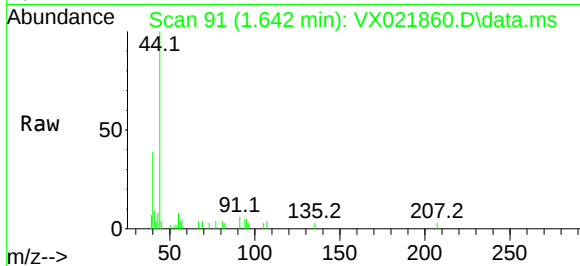




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.019 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

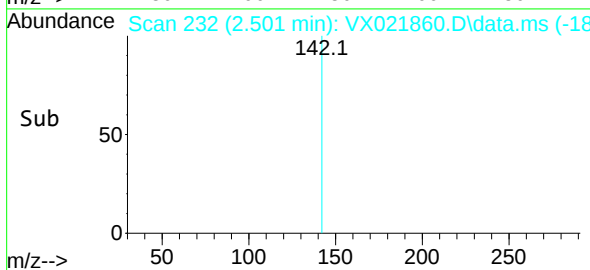
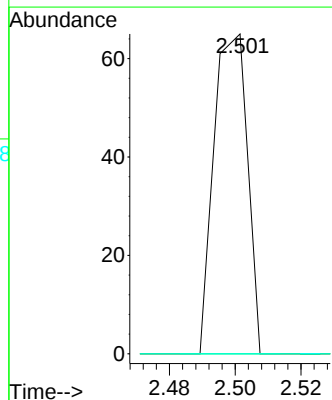
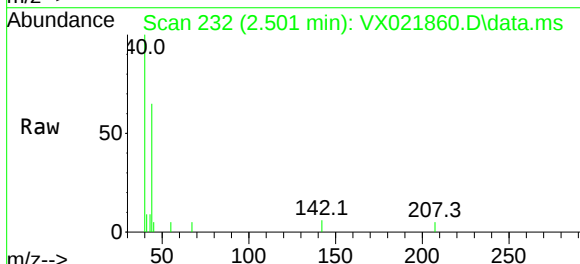
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-15S

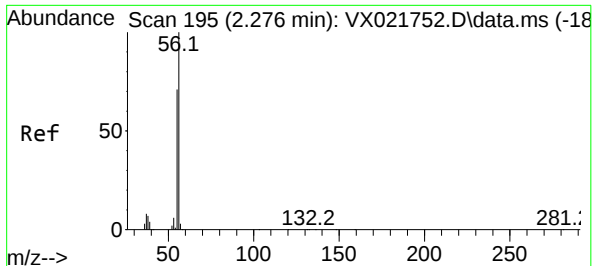
Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 61.2 76.4 114.6#



#10
Methyl Iodide
Concen: 8.17 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.012 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

Tgt Ion: 142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

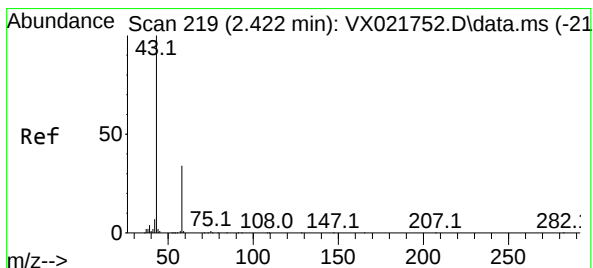
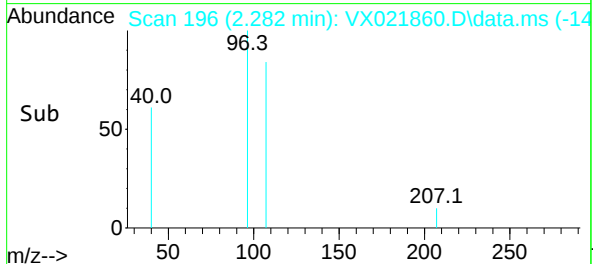
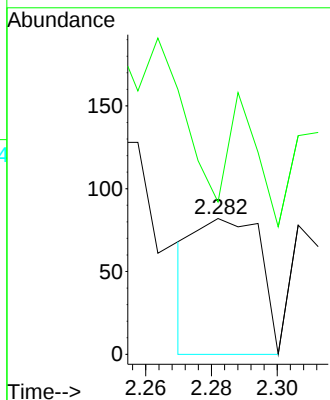
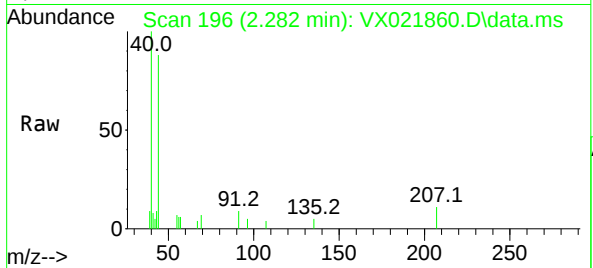




#13
Acrolein
Concen: 0.31 ug/l
RT: 2.282 min Scan# 196
Delta R.T. 0.006 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

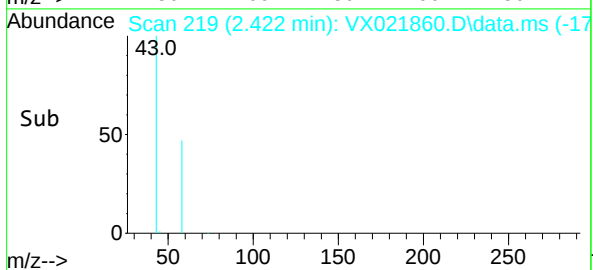
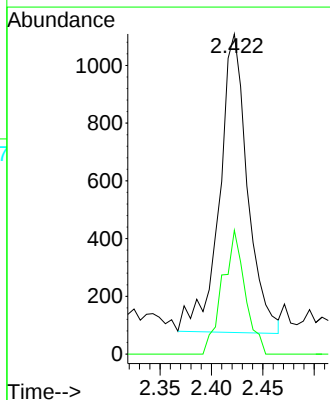
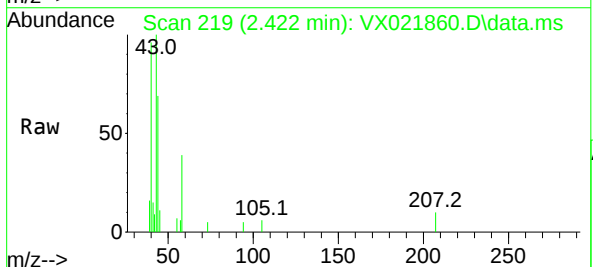
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-15S

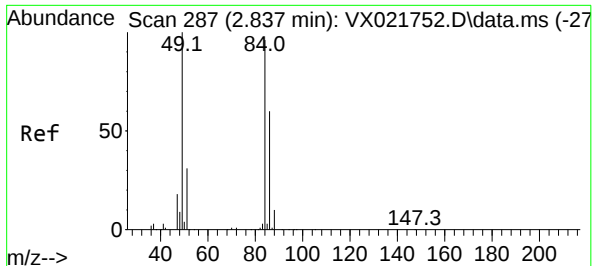
Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 2.79 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

Tgt Ion: 43 Resp: 1964
Ion Ratio Lower Upper
43 100
58 41.7 27.8 41.8





#20

Methylene Chloride

Concen: 0.32 ug/l

RT: 2.837 min Scan# 287

Delta R.T. -0.000 min

Lab File: VX021860.D

Acq: 23 Apr 2021 22:03

Instrument :

MSVOA_X

ClientSampleId :

152140-MW-15S

Tgt Ion: 84 Resp: 675

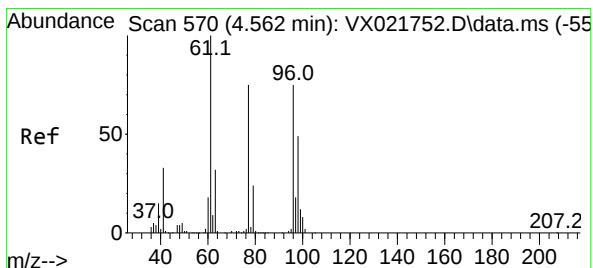
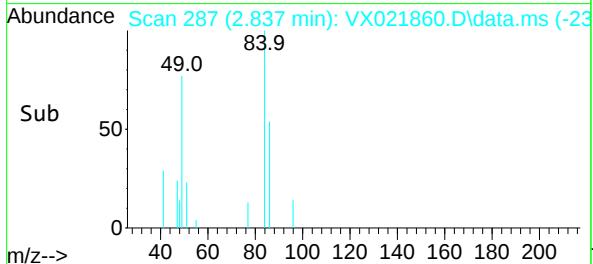
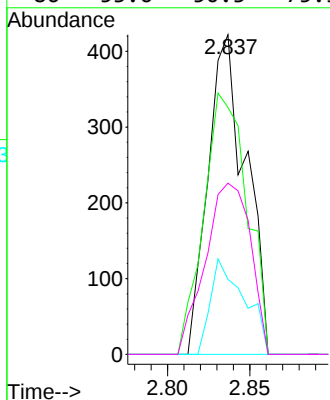
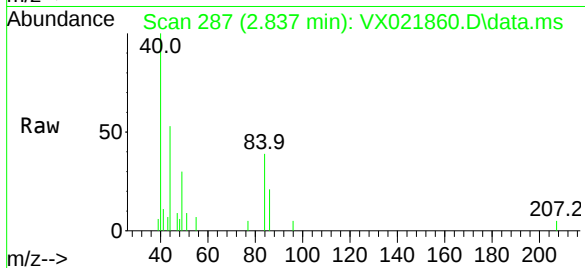
Ion Ratio Lower Upper

84 100

49 77.3 88.6 132.8#

51 23.5 27.0 40.6#

86 53.6 50.3 75.5



#27

cis-1,2-Dichloroethene

Concen: 0.45 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX021860.D

Acq: 23 Apr 2021 22:03

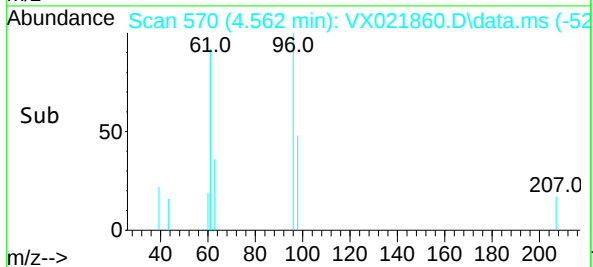
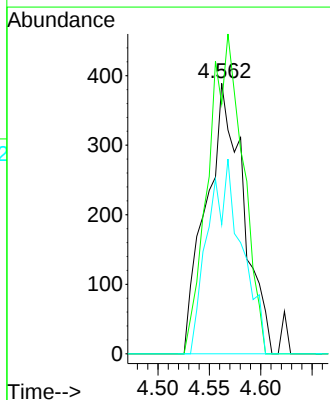
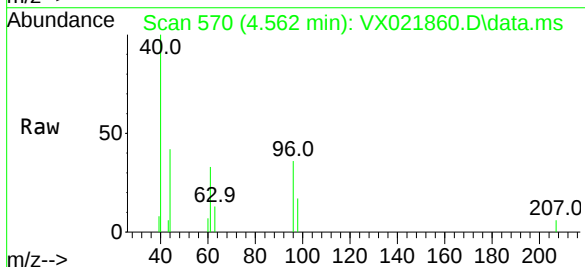
Tgt Ion: 96 Resp: 983

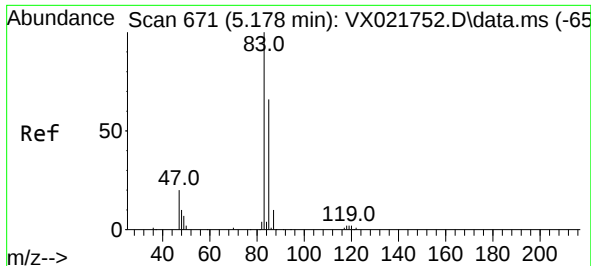
Ion Ratio Lower Upper

96 100

61 110.1 0.0 285.6

98 64.8 0.0 129.6

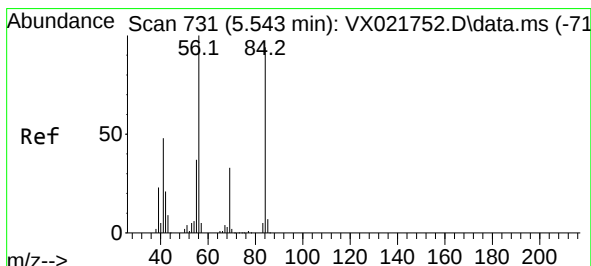
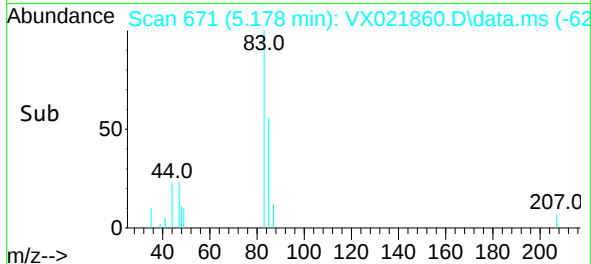
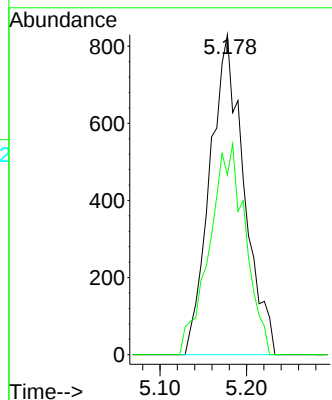
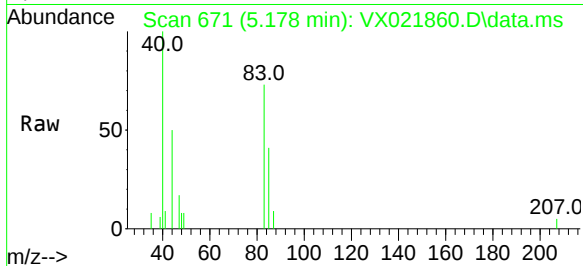




#30
Chloroform
Concen: 0.66 ug/l
RT: 5.178 min Scan# 671
Delta R.T. -0.000 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

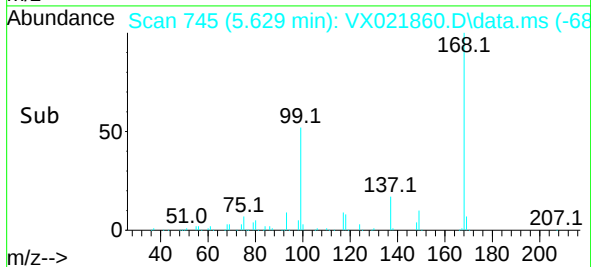
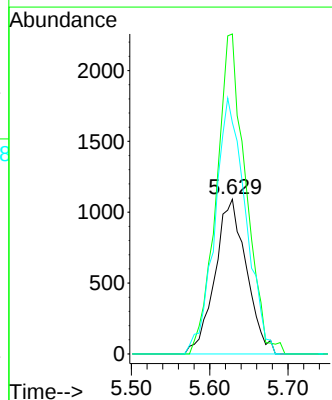
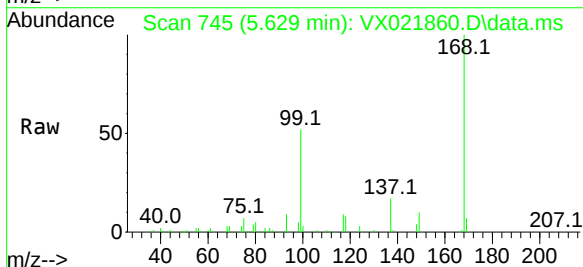
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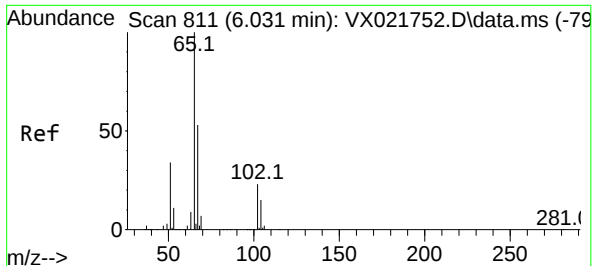
Tgt Ion: 83 Resp: 2268
Ion Ratio Lower Upper
83 100
85 56.1 52.0 78.0



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.086 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

Tgt Ion: 56 Resp: 3036
Ion Ratio Lower Upper
56 100
69 206.8 25.3 37.9#
84 149.5 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.60 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX021860.D

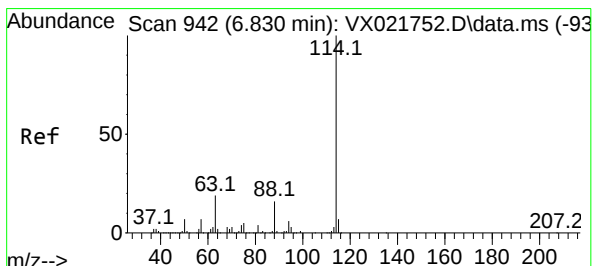
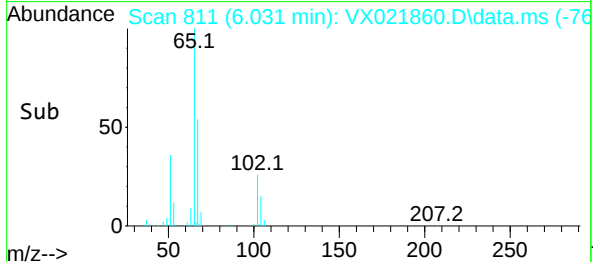
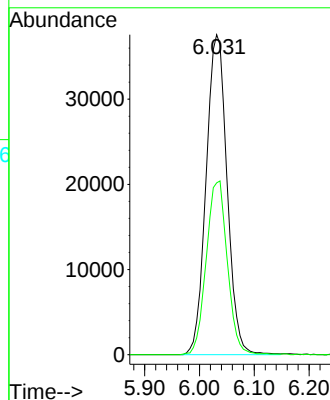
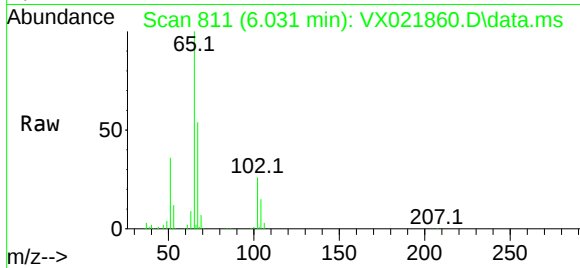
Acq: 23 Apr 2021 22:03

Tgt Ion: 65 Resp: 99629

Ion Ratio Lower Upper

65 100

67 54.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. -0.000 min

Lab File: VX021860.D

Acq: 23 Apr 2021 22:03

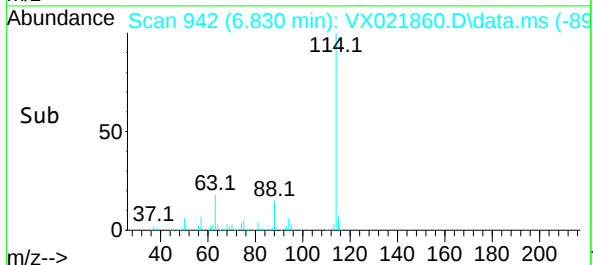
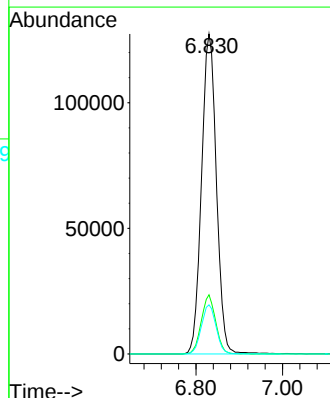
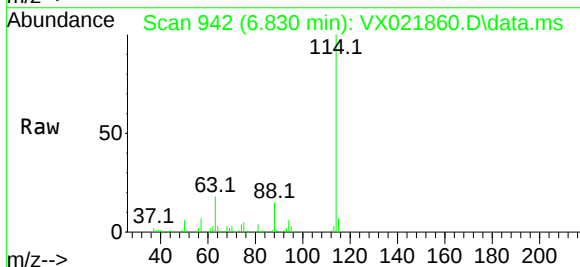
Tgt Ion: 114 Resp: 304033

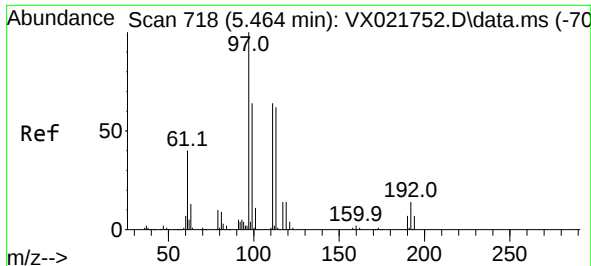
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.8

88 15.4 0.0 32.8

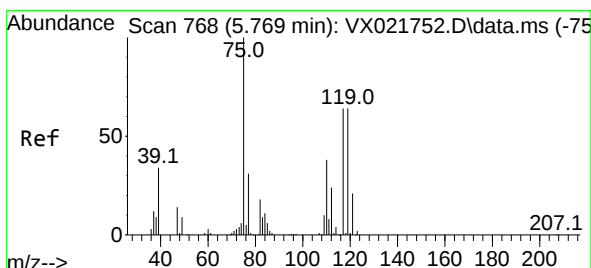
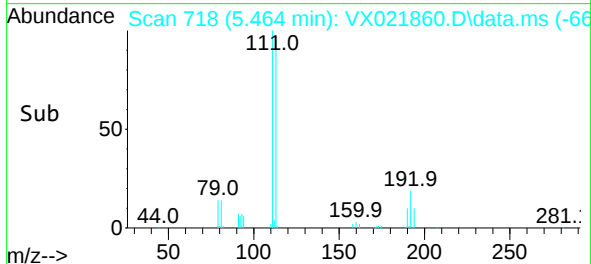
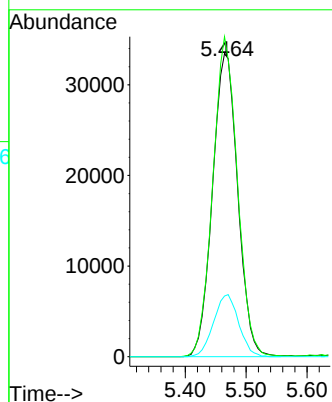
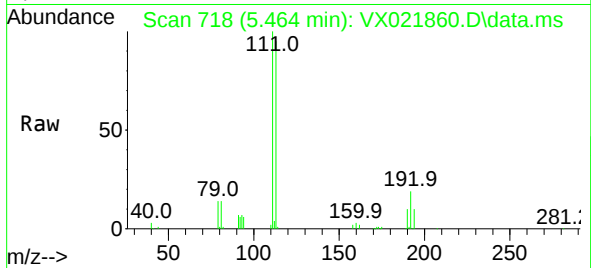




#35
Dibromofluoromethane
Concen: 49.52 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

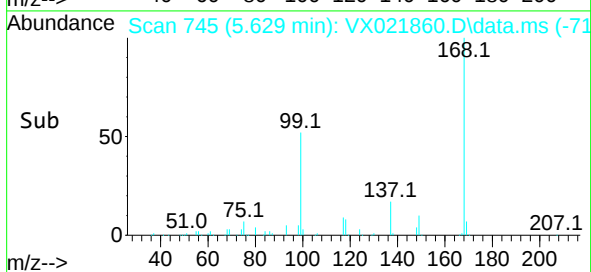
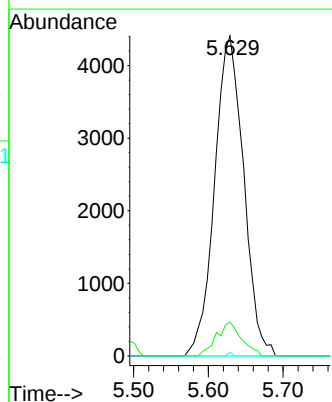
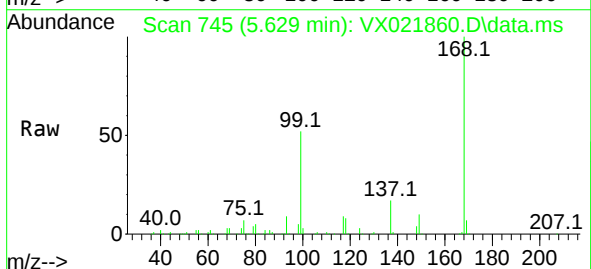
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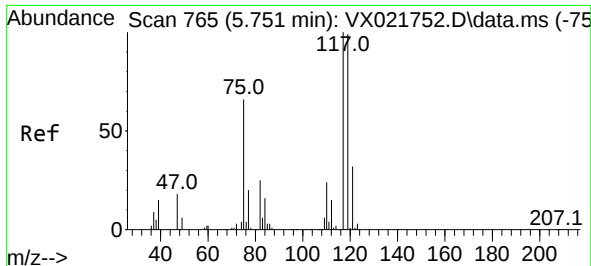
Tgt Ion:113 Resp: 96273
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.44 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

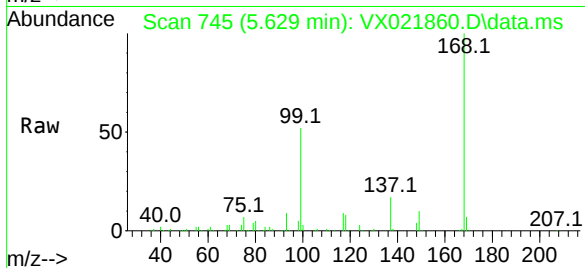
Tgt Ion: 75 Resp: 11910
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.2 25.3 37.9#



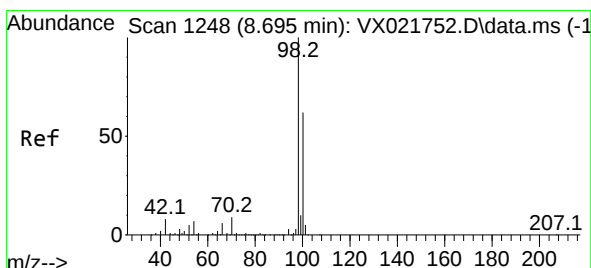
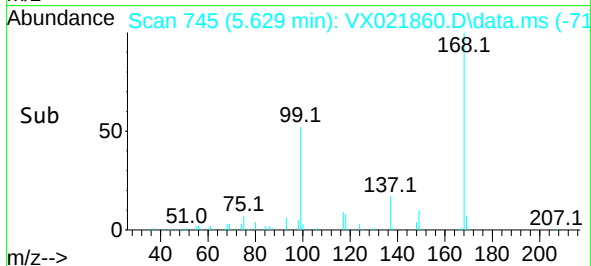
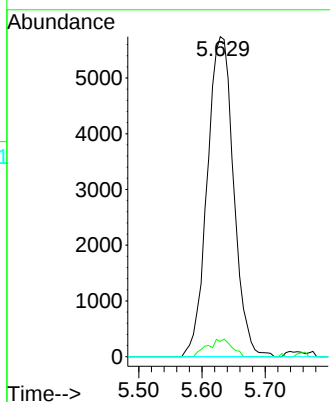


#38
Carbon Tetrachloride
Concen: 5.65 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

Instrument :
MSVOA_X
ClientSampleId :
152140-MW-15S

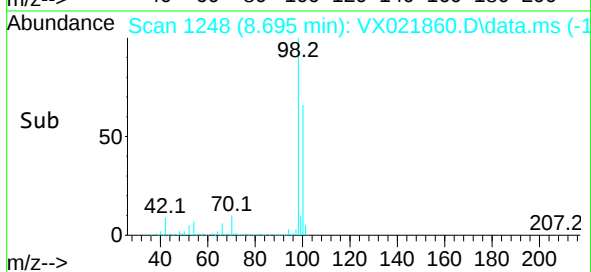
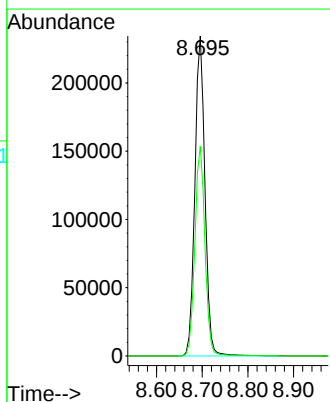
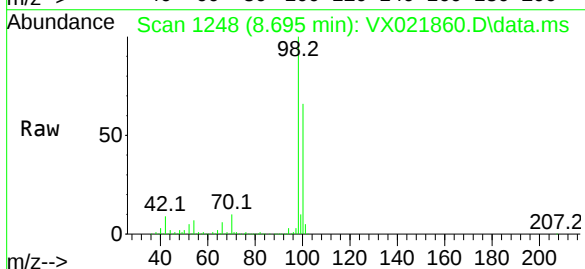


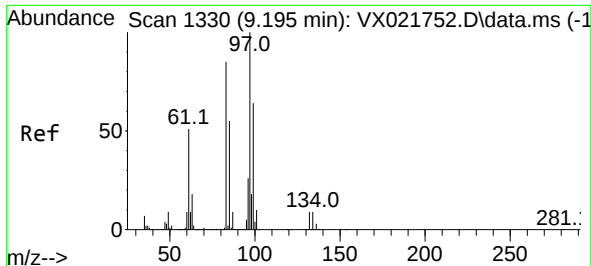
Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.2#
121	0.0	24.8	37.2#



#50
Toluene-d8
Concen: 48.07 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.9	77.9

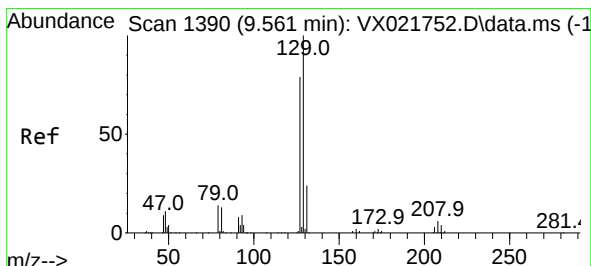
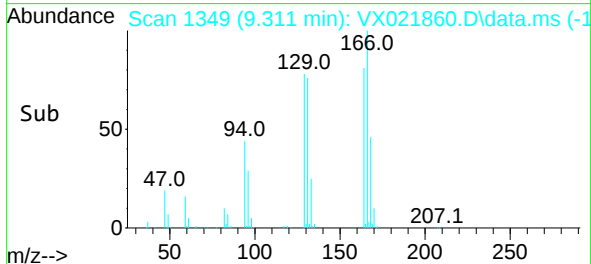
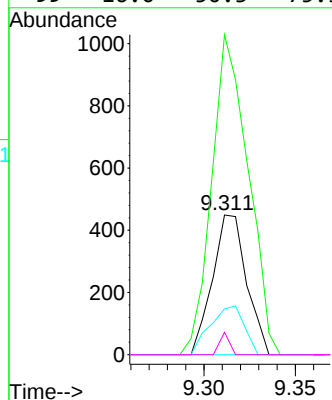
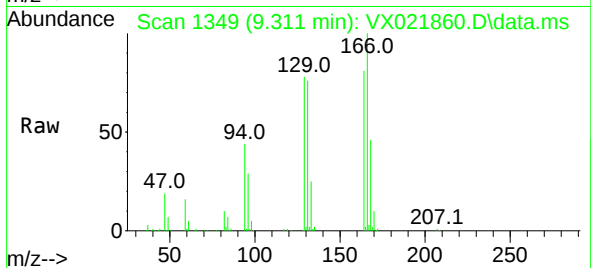




#55
1,1,2-Trichloroethane
Concen: 0.27 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.116 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

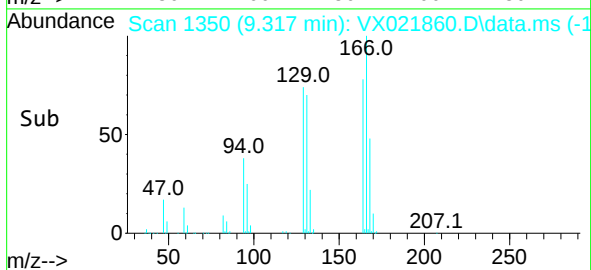
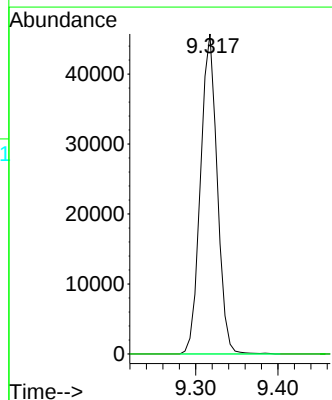
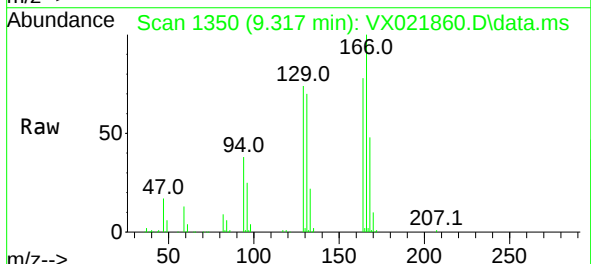
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-15S

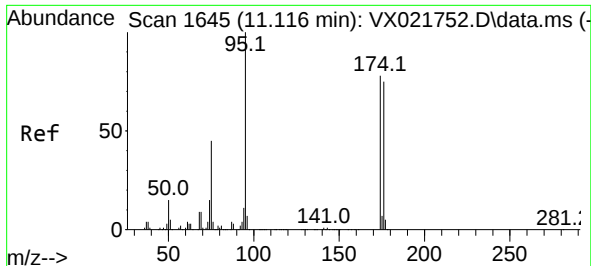
Tgt Ion: 97	Resp: 582
Ion Ratio	Lower Upper
97 100	
83 229.2	69.3 103.9#
85 32.7	44.3 66.5#
99 16.0	50.3 75.5#



#60
Dibromochloromethane
Concen: 24.99 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

Tgt Ion: 129	Resp: 64687
Ion Ratio	Lower Upper
129 100	
127 0.0	38.4 115.2#

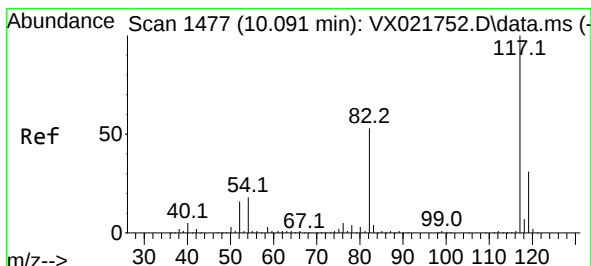
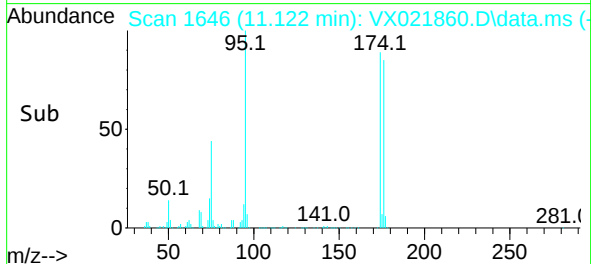
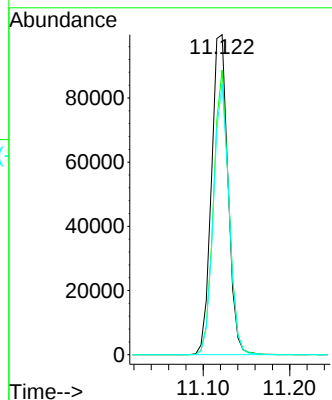
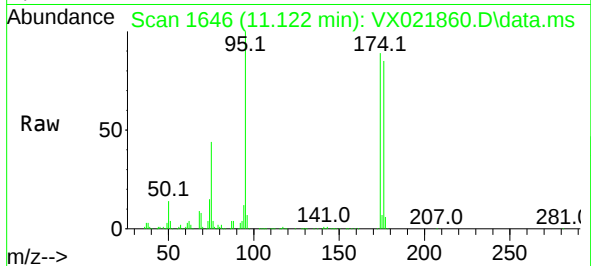




#62
4-Bromofluorobenzene
Concen: 47.29 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

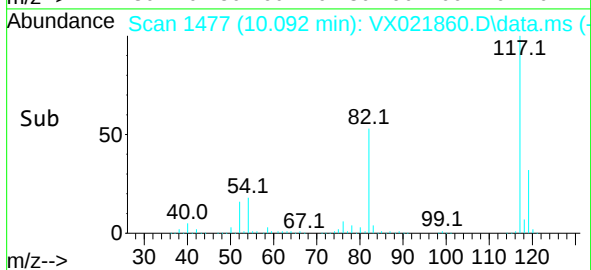
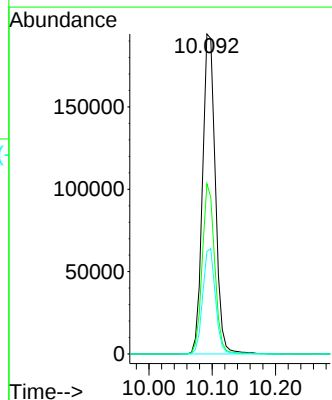
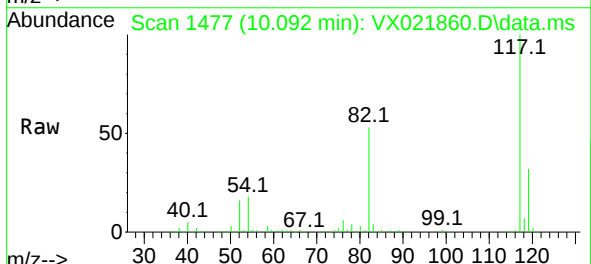
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-15S

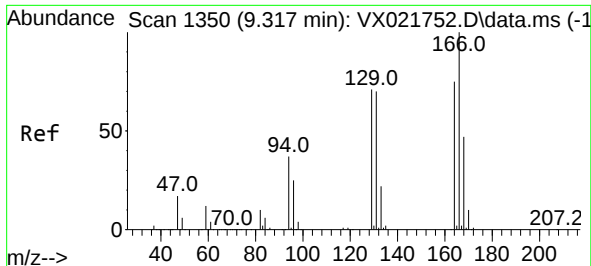
Tgt Ion: 95 Resp: 132027
Ion Ratio Lower Upper
95 100
174 82.8 0.0 154.6
176 79.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

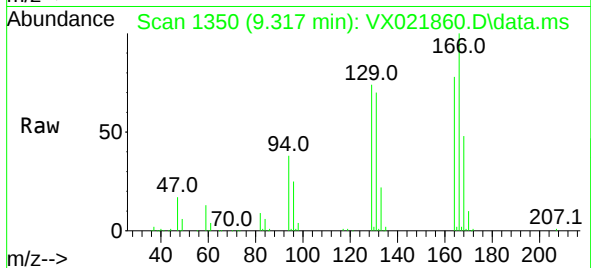
Tgt Ion: 117 Resp: 275165
Ion Ratio Lower Upper
117 100
82 53.2 47.4 71.2
119 32.0 26.6 39.8



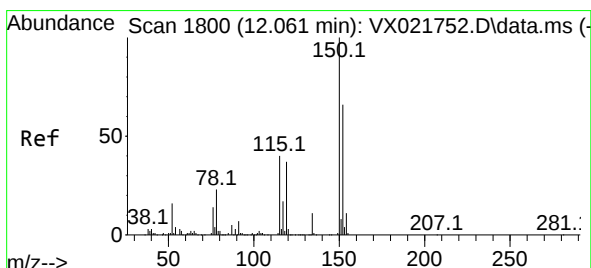
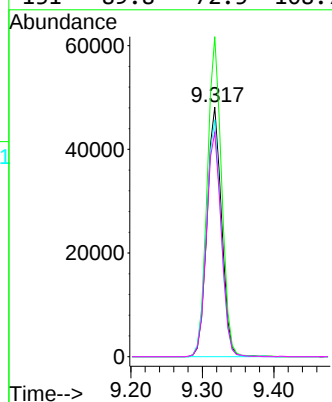
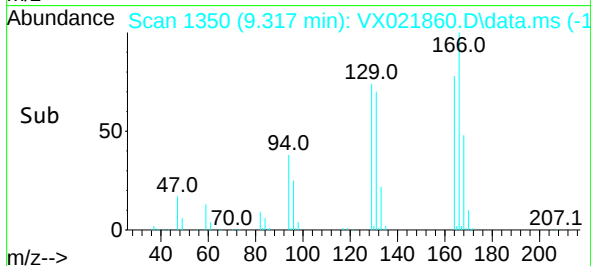


#64
Tetrachloroethene
Concen: 31.69 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

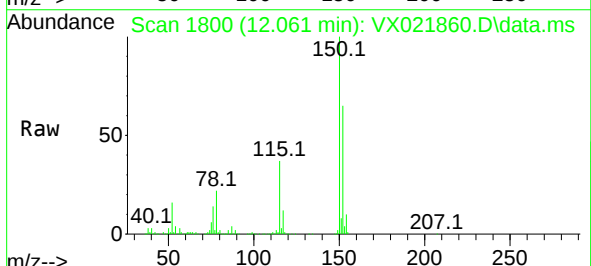
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-15S



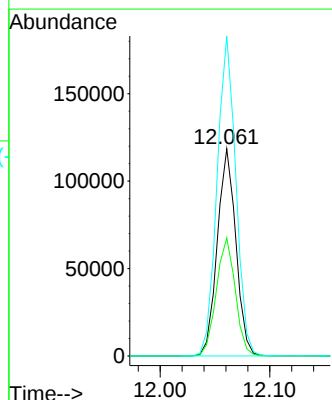
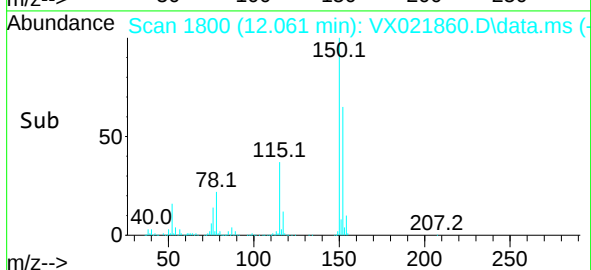
Tgt Ion:164 Resp: 68179
Ion Ratio Lower Upper
164 100
166 128.2 103.4 155.2
129 95.0 70.8 106.2
131 89.8 72.5 108.7

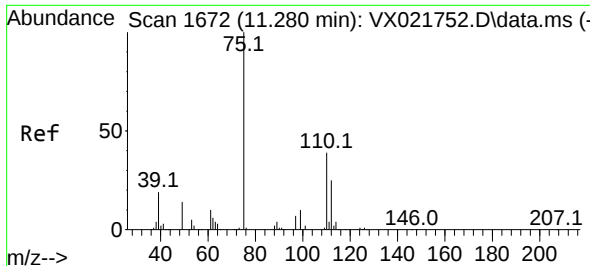


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03



Tgt Ion:152 Resp: 139793
Ion Ratio Lower Upper
152 100
115 58.1 41.1 123.3
150 156.2 0.0 349.0

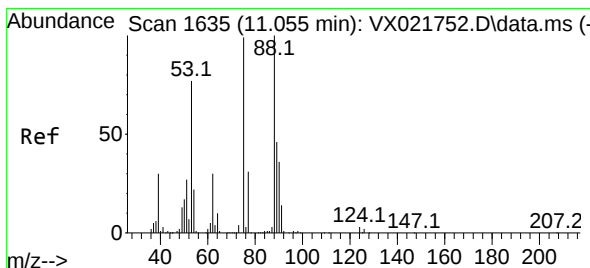
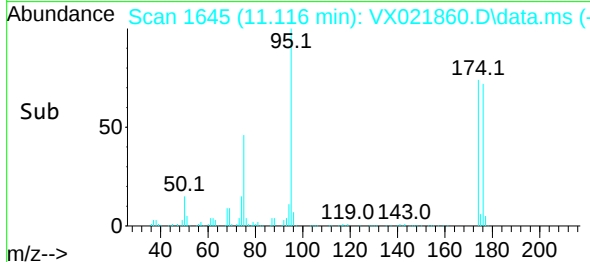
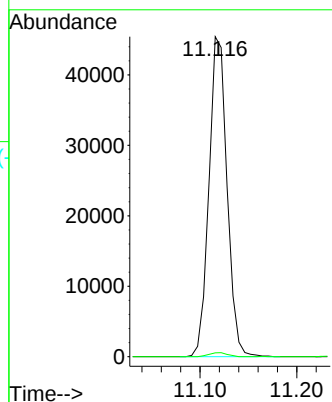
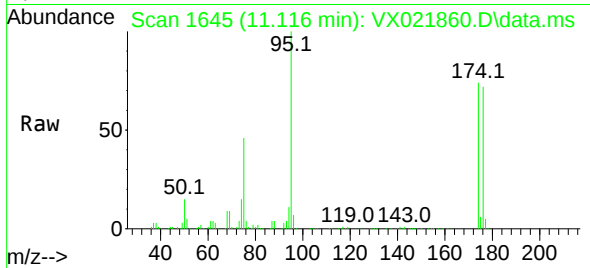




#76
1,2,3-Trichloropropane
Concen: 21.33 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

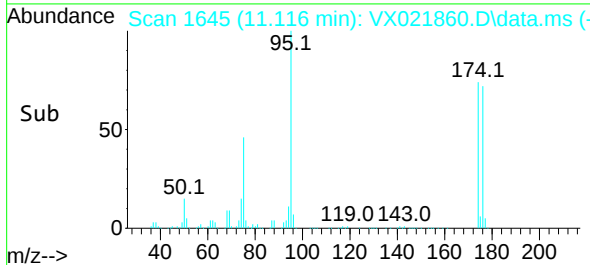
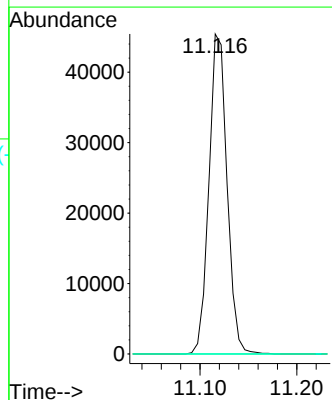
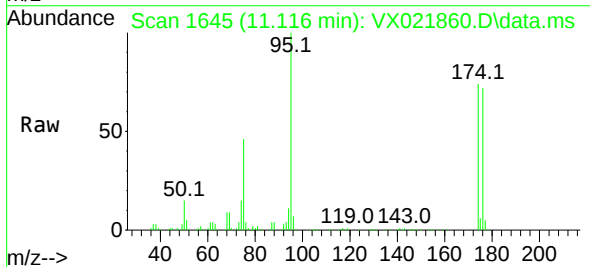
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-15S

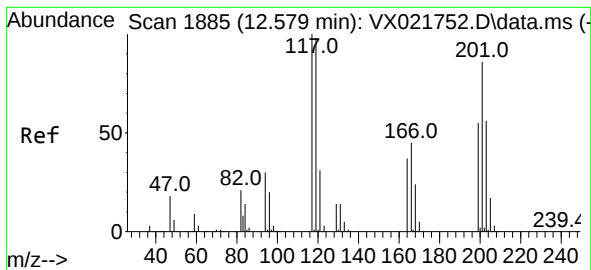
Tgt Ion: 75 Resp: 59139
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 49.06 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

Tgt Ion: 75 Resp: 59139
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#90
Hexachloroethane
Concen: 0.95 ug/l
RT: 12.579 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VX021860.D
Acq: 23 Apr 2021 22:03

Instrument :
MSVOA_X
ClientSampleId :
152140-MW-15S

Tgt Ion:117 Resp: 1562
Ion Ratio Lower Upper
117 100
201 89.2 40.4 121.2

