

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031521\
 Data File : VX021221.D
 Acq On : 16 Mar 2021 00:21
 Operator : JC/MD
 Sample : M1645-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Mar 16 04:41:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 15 11:55:59 2021
 Response via : Initial Calibration

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

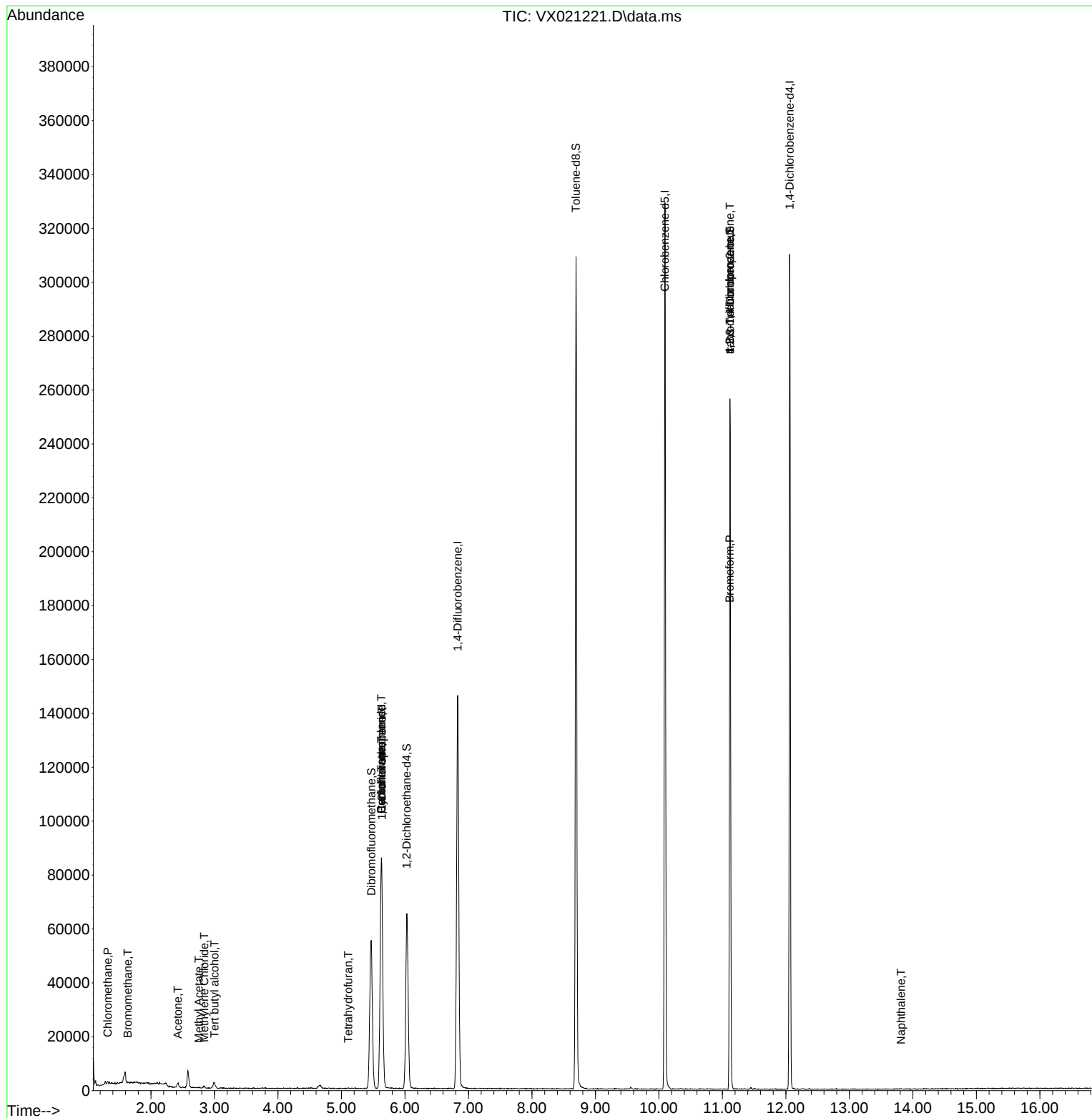
Internal Standards						
1) Pentafluorobenzene	5.629	168	73274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	135080	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	133171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	57664	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	63069	50.48	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.96%
35) Dibromofluoromethane	5.470	113	45793	49.27	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.54%
50) Toluene-d8	8.694	98	172254	51.59	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.18%
62) 4-Bromofluorobenzene	11.118	95	67939	53.40	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.80%
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	349	0.37	ug/l	98
5) Bromomethane	1.634	94	170	0.32	ug/l #	73
11) Tert butyl alcohol	2.999	59	1425	6.55	ug/l #	73
16) Acetone	2.423	43	1958	3.90	ug/l	92
18) Methyl Acetate	2.752	43	449	0.37	ug/l #	47
20) Methylene Chloride	2.840	84	255	0.27	ug/l #	55
29) Tetrahydrofuran	5.105	42	129	0.28	ug/l #	27
31) Cyclohexane	5.629	56	2140	1.35	ug/l #	27
36) 1,1-Dichloropropene	5.635	75	6944	4.91	ug/l #	49
38) Carbon Tetrachloride	5.629	117	8297	5.34	ug/l #	16
71) Bromoform	11.112	173	105	1.56	ug/l #	29
76) 1,2,3-Trichloropropane	11.118	75	38555	26.97	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	38555	76.53	ug/l #	12
95) Naphthalene	13.812	128	105	1.49	ug/l #	69

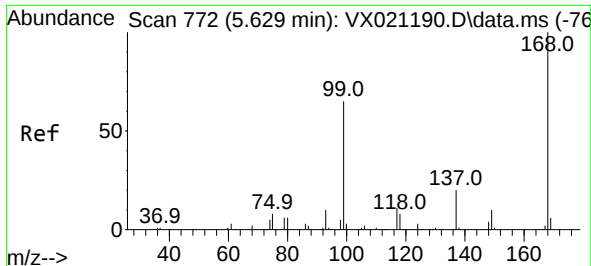
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

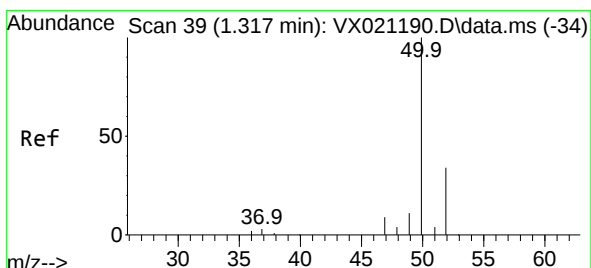
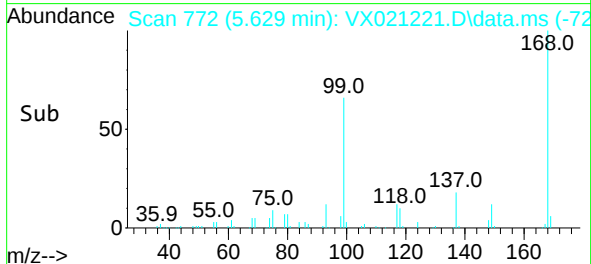
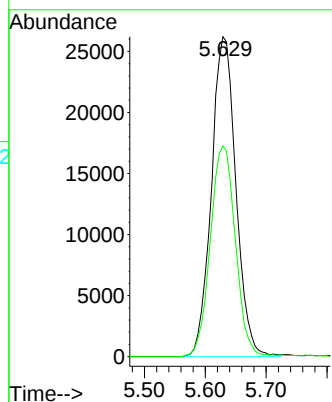
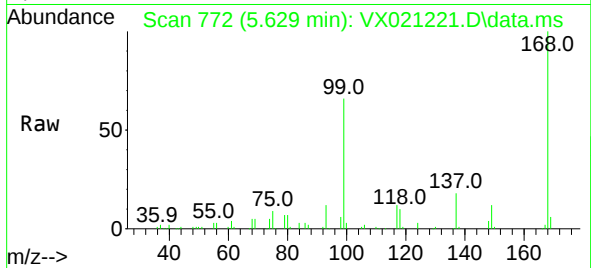




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

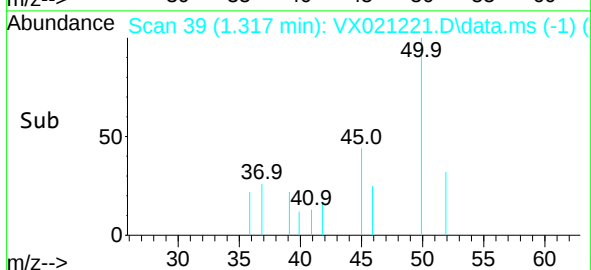
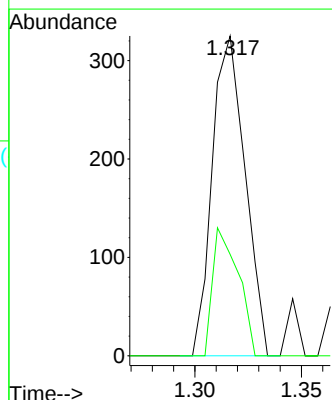
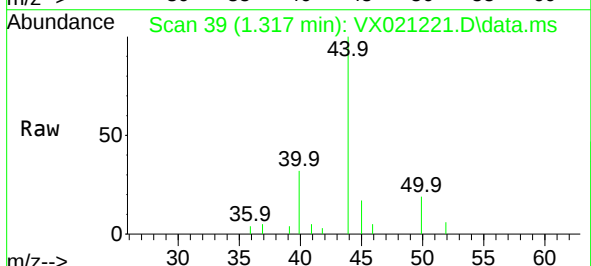
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

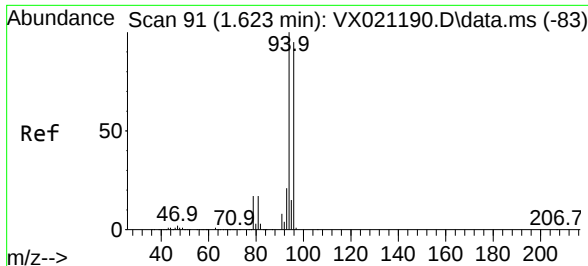
Tgt Ion:168 Resp: 73274
Ion Ratio Lower Upper
168 100
99 65.9 45.8 68.6



#3
Chloromethane
Concen: 0.37 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Tgt Ion: 50 Resp: 349
Ion Ratio Lower Upper
50 100
52 31.7 26.4 39.6

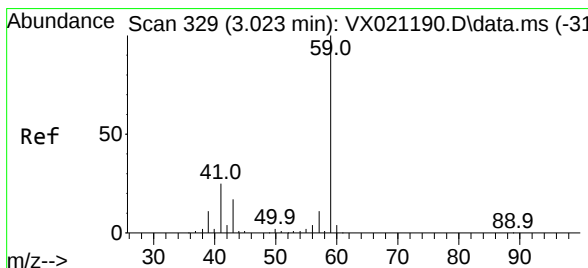
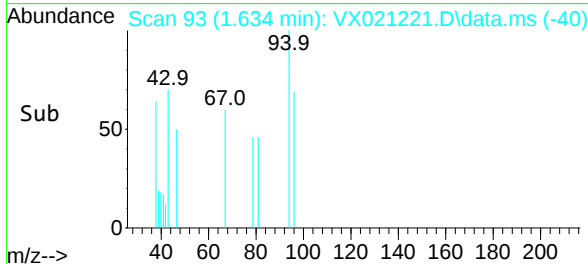
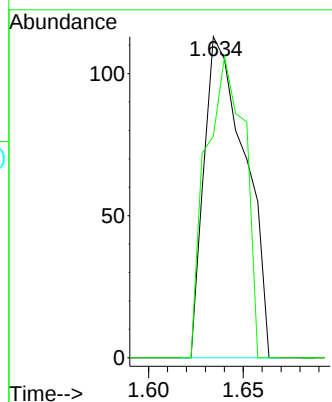
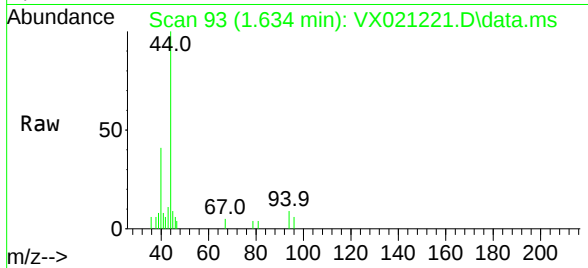




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

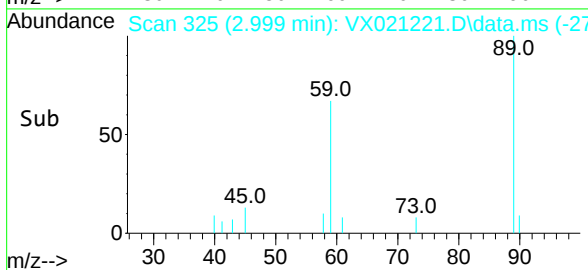
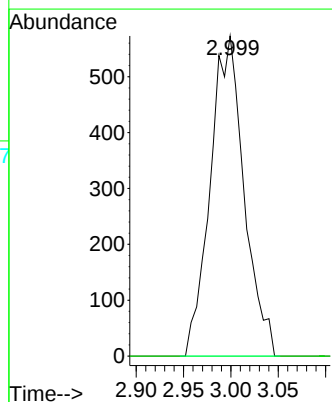
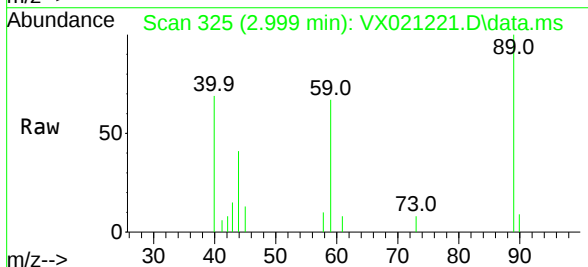
Instrument :
MSVOA_X
ClientSampleId :
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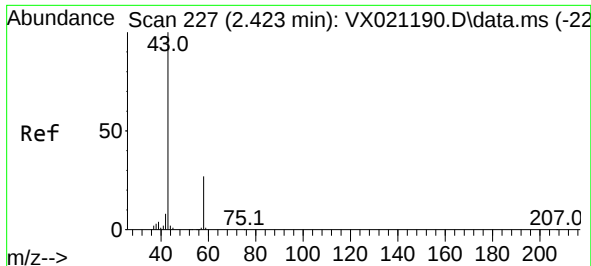
Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 69.0 76.4 114.6#



#11
Tert butyl alcohol
Concen: 6.55 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.018 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Tgt Ion: 59 Resp: 1425
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

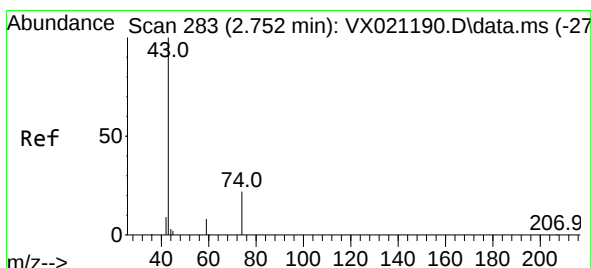
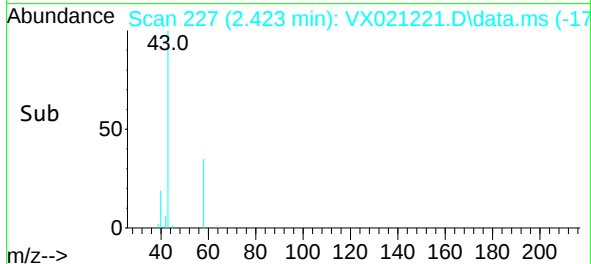
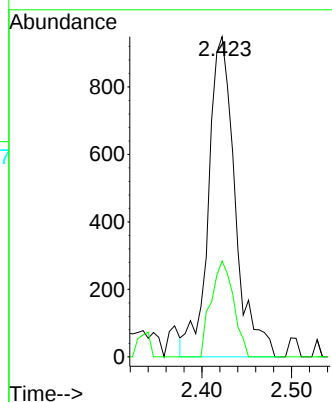
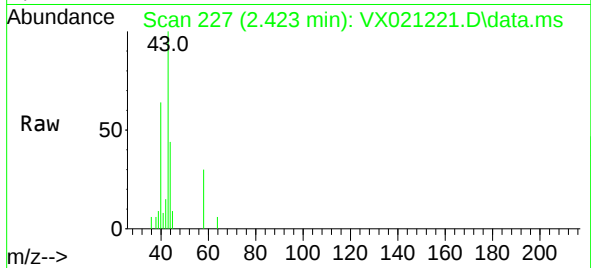




#16
Acetone
Concen: 3.90 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

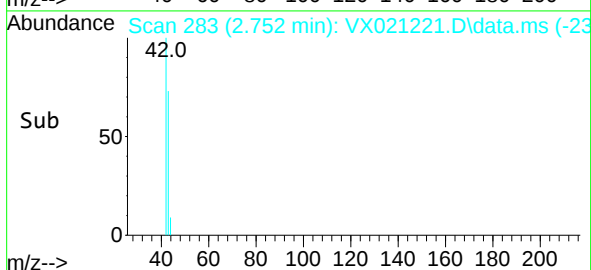
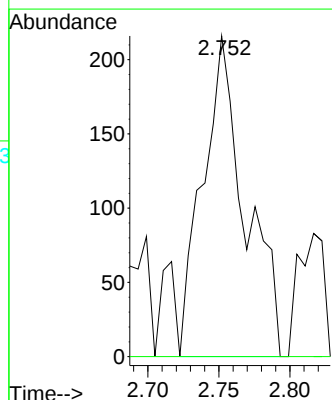
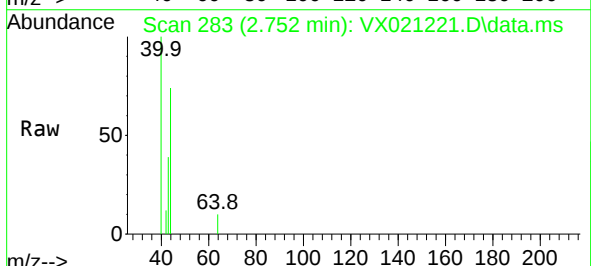
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

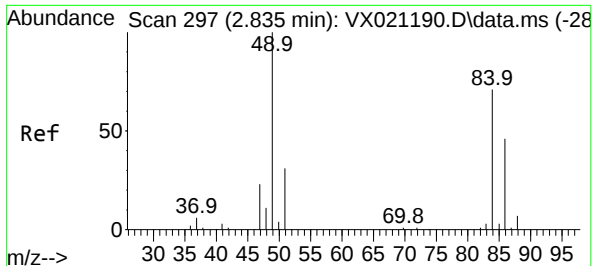
Tgt Ion: 43 Resp: 1958
Ion Ratio Lower Upper
43 100
58 29.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.37 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Tgt Ion: 43 Resp: 449
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

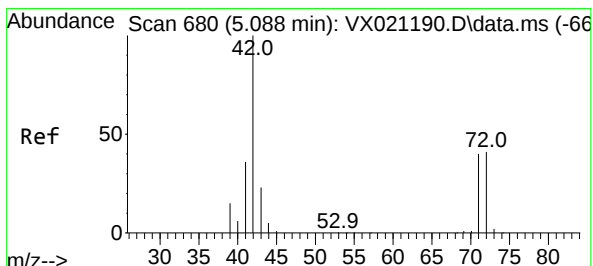
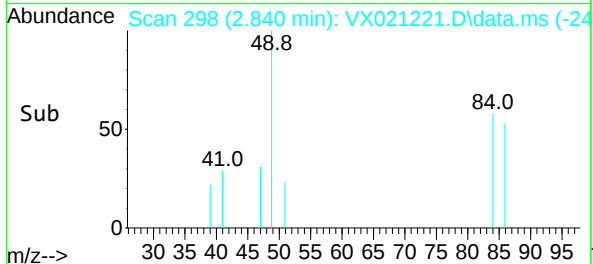
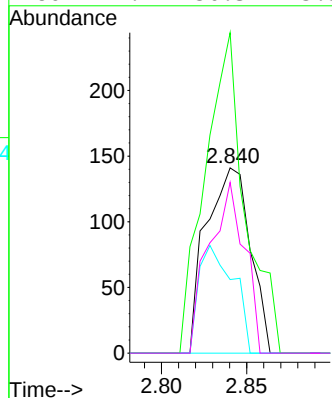
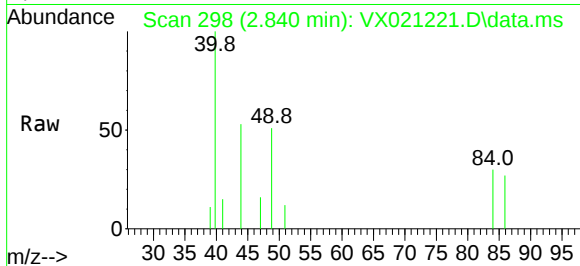




#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

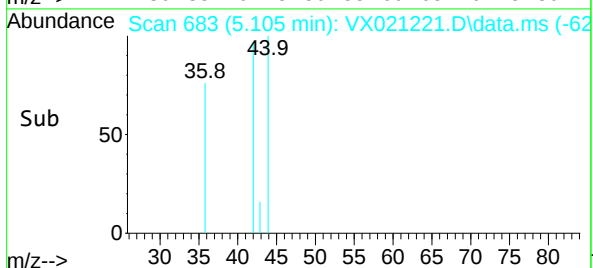
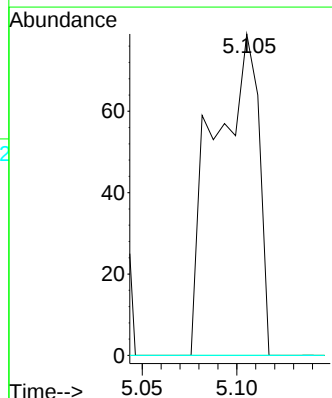
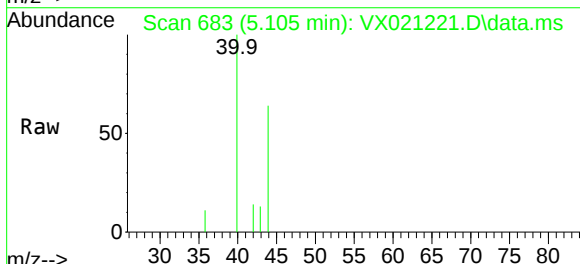
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

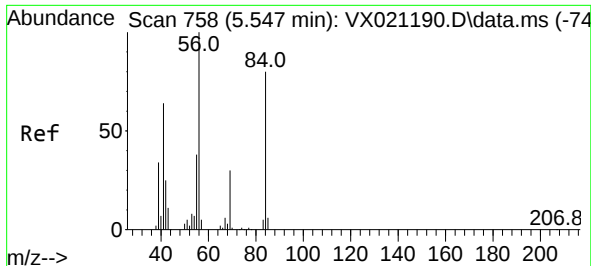
Tgt Ion: 84 Resp: 255
Ion Ratio Lower Upper
84 100
49 173.0 88.6 132.8#
51 39.7 27.0 40.6
86 92.2 50.3 75.5#



#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 5.105 min Scan# 683
Delta R.T. 0.017 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

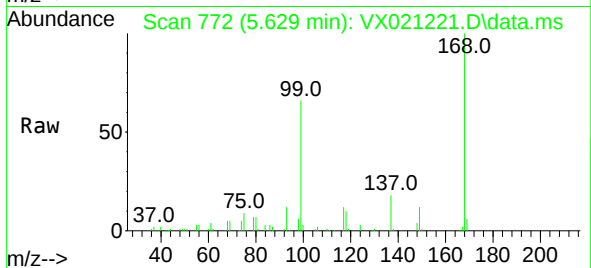
Tgt Ion: 42 Resp: 129
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#



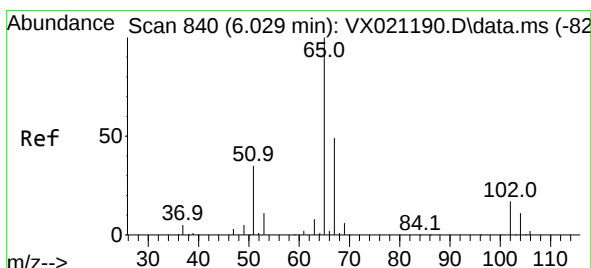
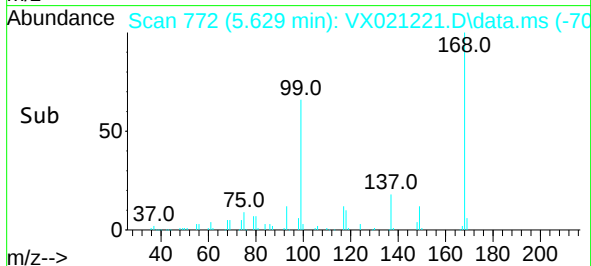
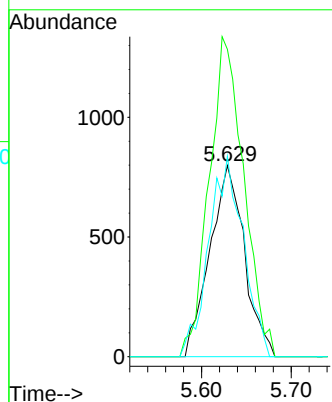


#31
Cyclohexane
Concen: 1.35 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

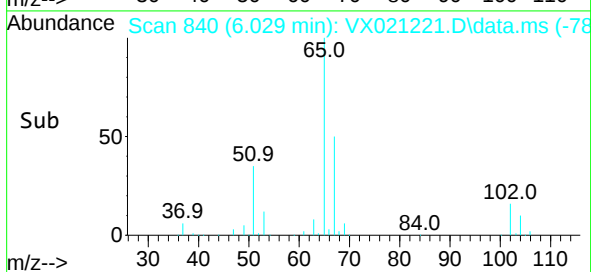
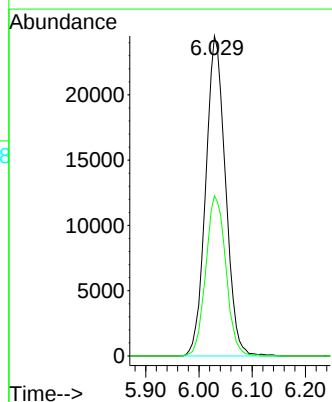
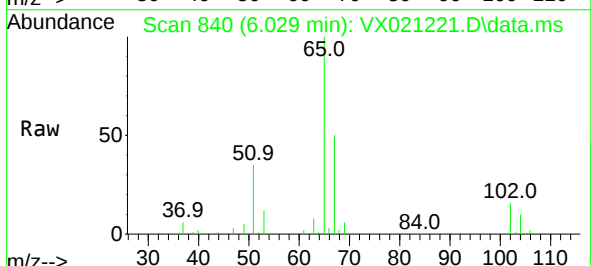


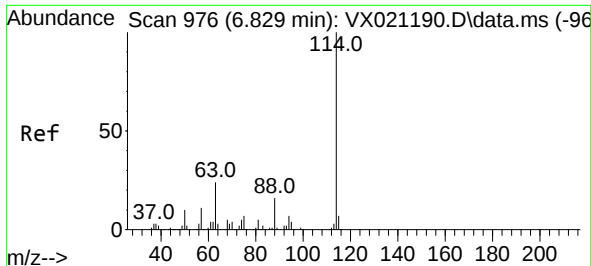
Tgt Ion: 56 Resp: 2140
Ion Ratio Lower Upper
56 100
69 160.9 25.3 37.9#
84 104.9 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 50.48 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Tgt Ion: 65 Resp: 63069
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

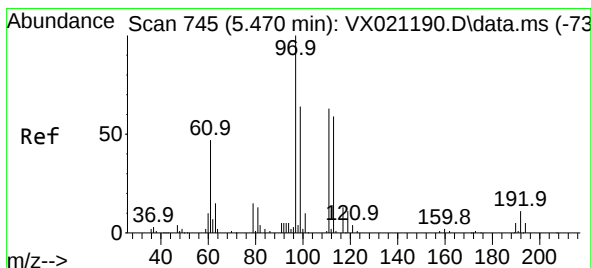
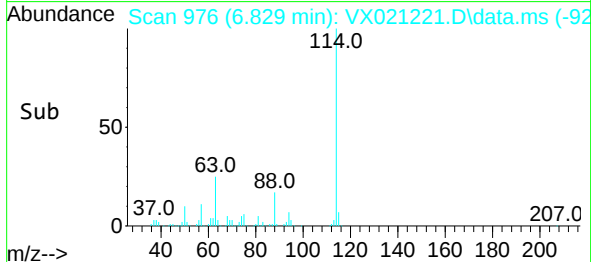
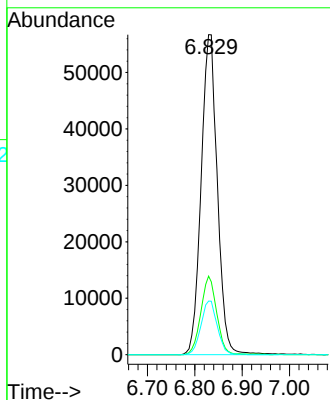
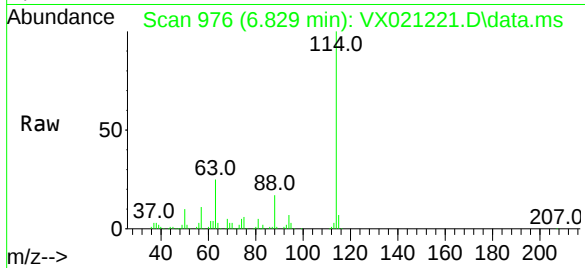




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

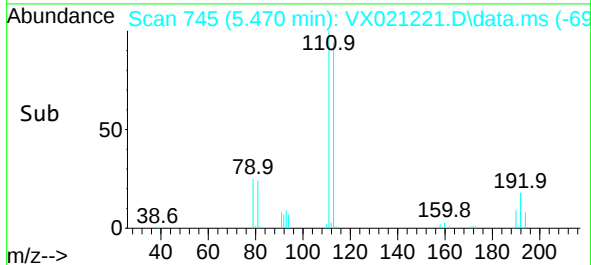
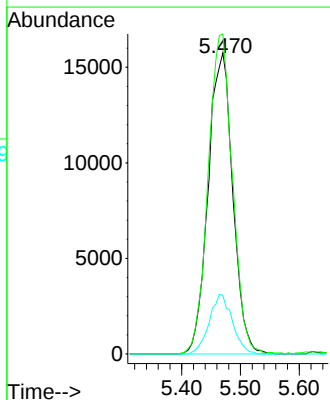
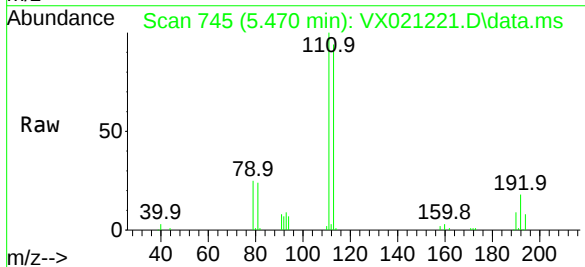
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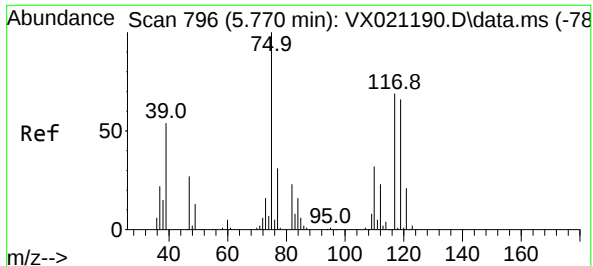
Tgt Ion:114 Resp: 135080
Ion Ratio Lower Upper
114 100
63 24.5 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.27 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Tgt Ion:113 Resp: 45793
Ion Ratio Lower Upper
113 100
111 105.0 81.9 122.9
192 18.6 16.7 25.1

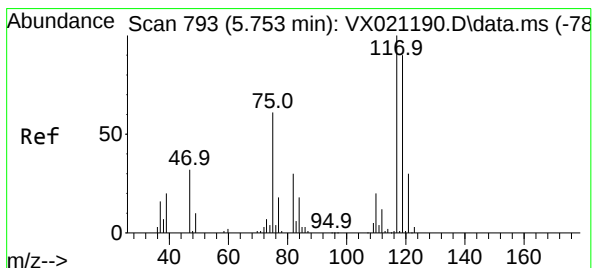
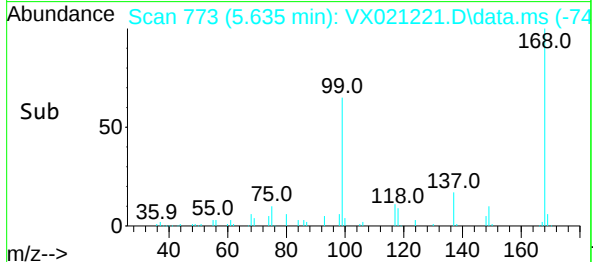
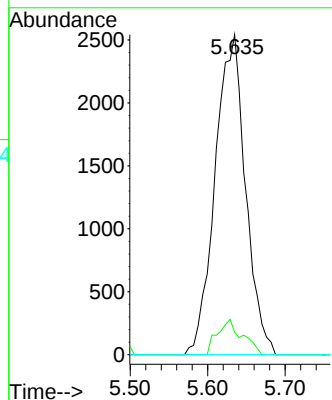
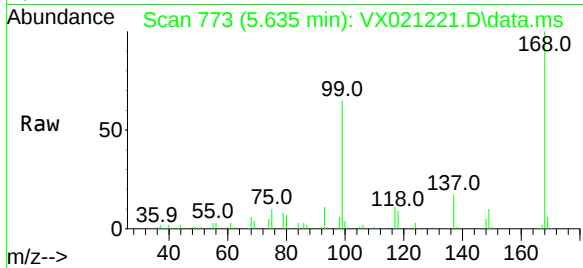




#36
1,1-Dichloropropene
Concen: 4.91 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.136 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

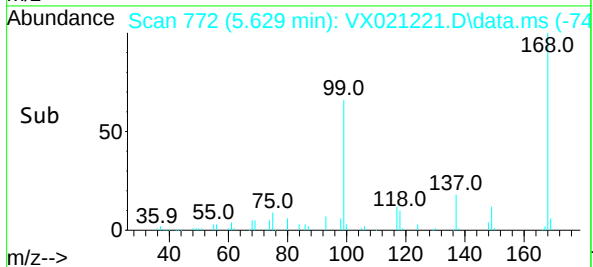
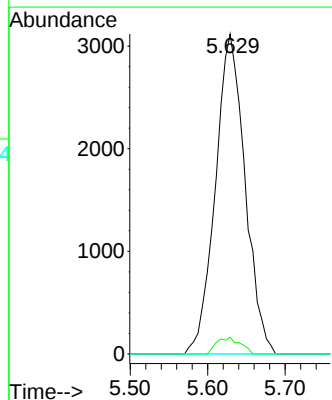
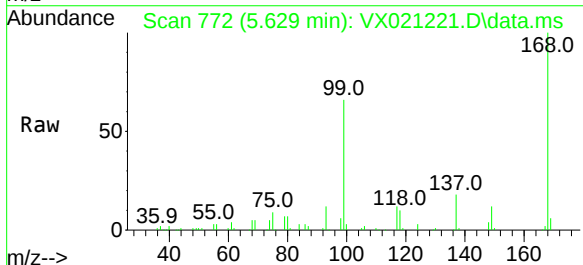
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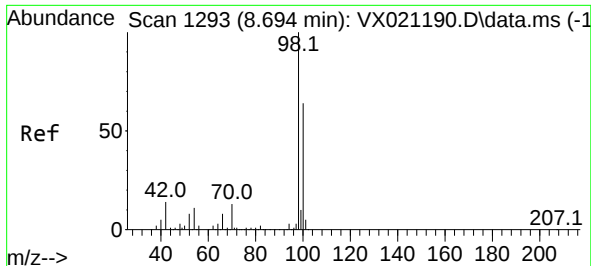
Tgt Ion: 75 Resp: 6944
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.34 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Tgt Ion: 117 Resp: 8297
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

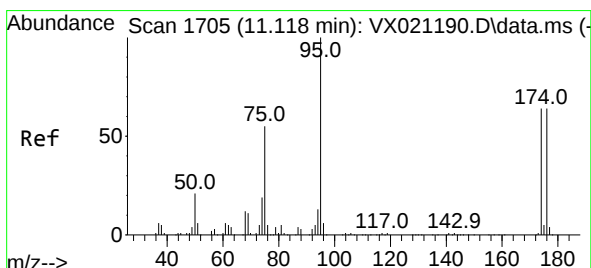
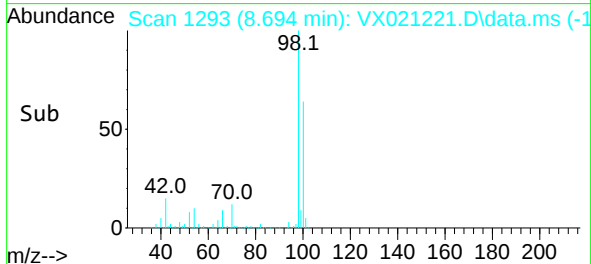
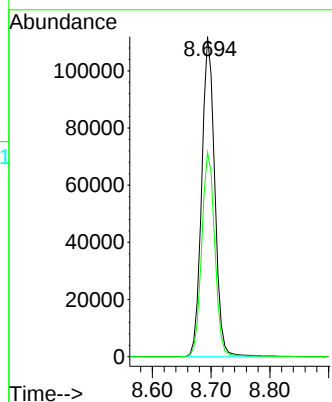
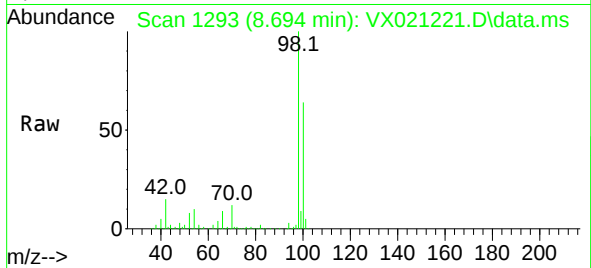




#50
Toluene-d8
Concen: 51.59 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

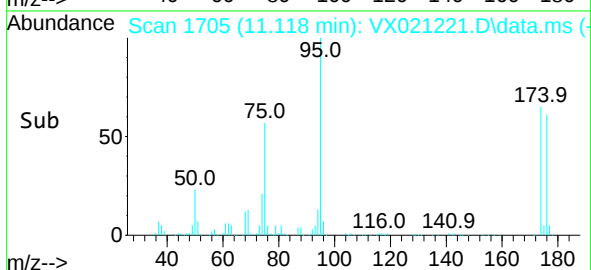
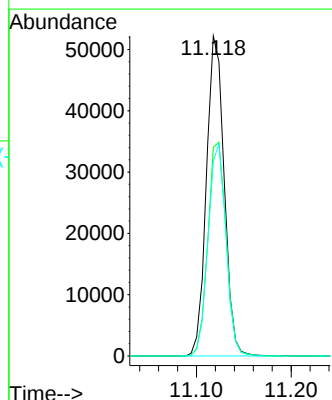
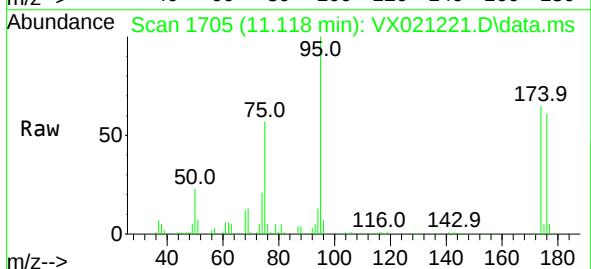
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

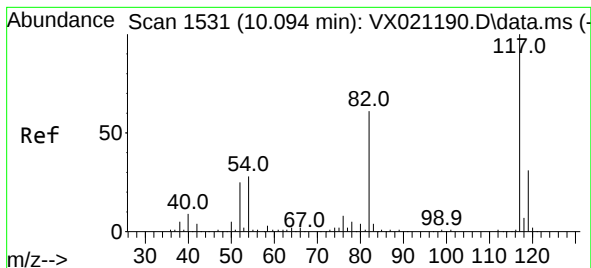
Tgt Ion: 98 Resp: 172254
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 53.40 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Tgt Ion: 95 Resp: 67939
Ion Ratio Lower Upper
95 100
174 68.8 0.0 154.6
176 66.6 0.0 155.8

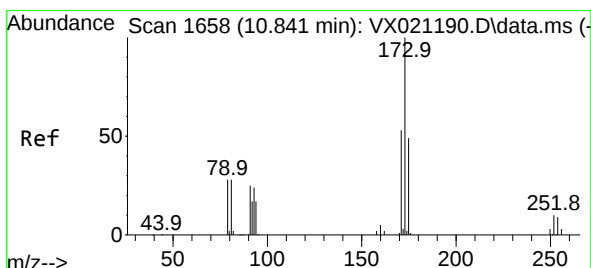
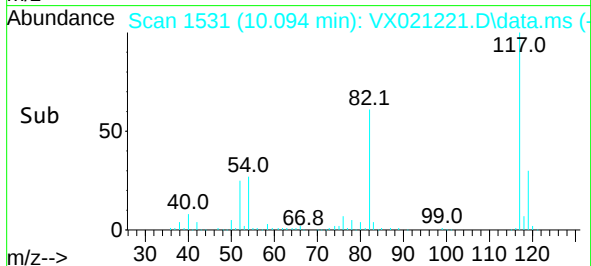
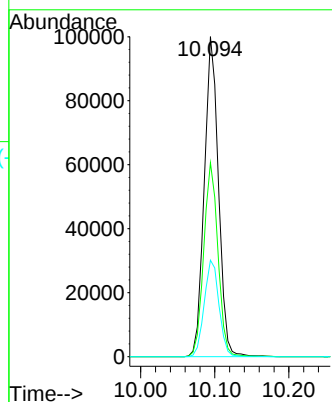
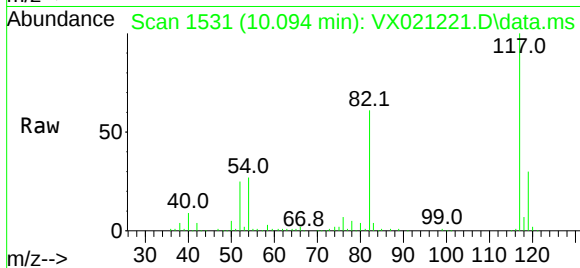




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

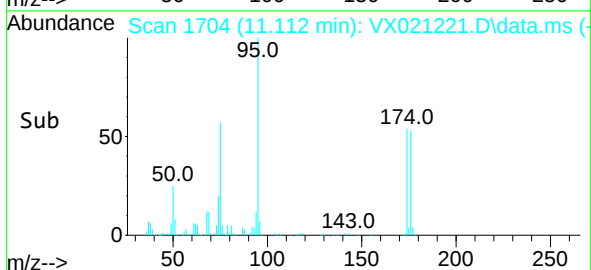
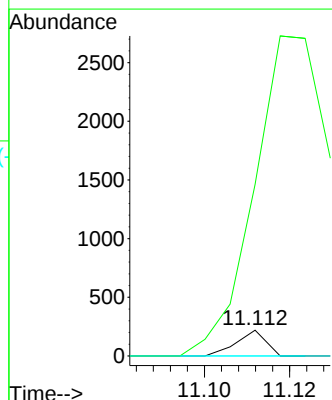
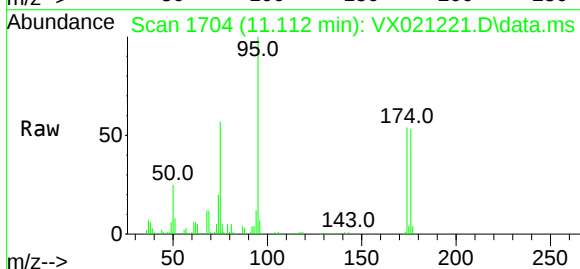
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

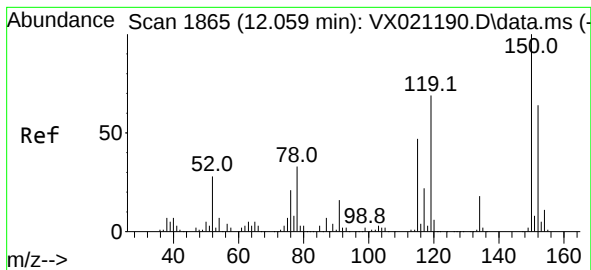
Tgt Ion:117 Resp: 133171
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 30.1 26.6 39.8



#71
Bromoform
Concen: 1.56 ug/l
RT: 11.112 min Scan# 1704
Delta R.T. 0.271 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Tgt Ion:173 Resp: 105
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.1 0.1#

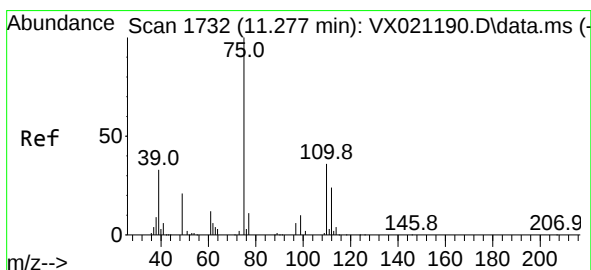
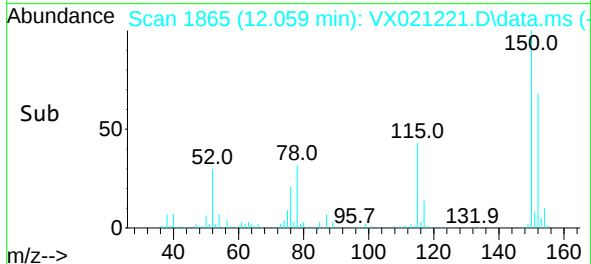
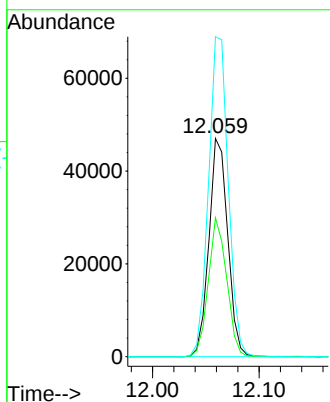
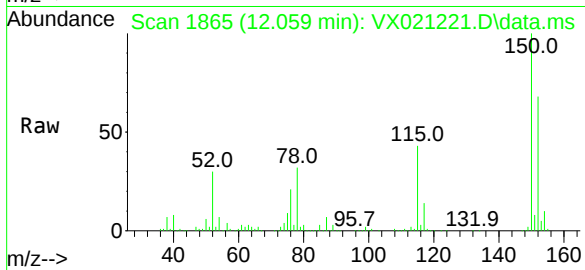




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. -0.006 min
 Lab File: VX021221.D
 Acq: 16 Mar 2021 00:21

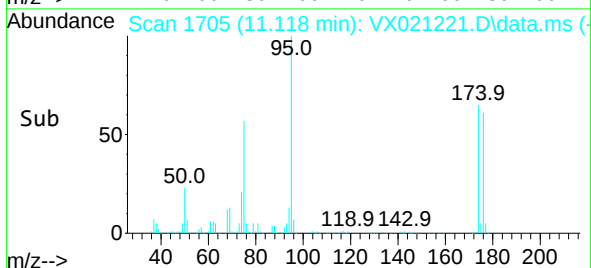
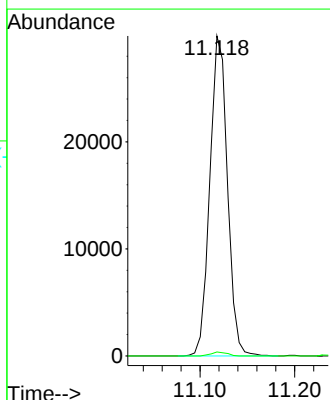
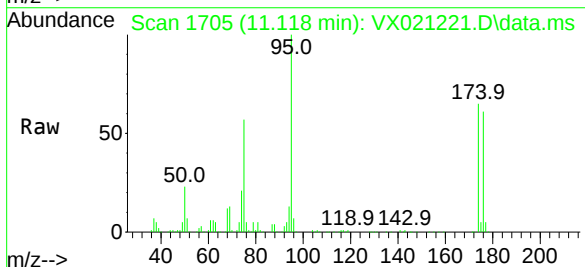
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

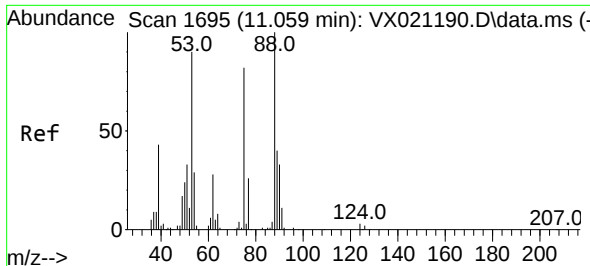
Tgt Ion:152 Resp: 57664
 Ion Ratio Lower Upper
 152 100
 115 62.1 41.1 123.3
 150 153.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.97 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021221.D
 Acq: 16 Mar 2021 00:21

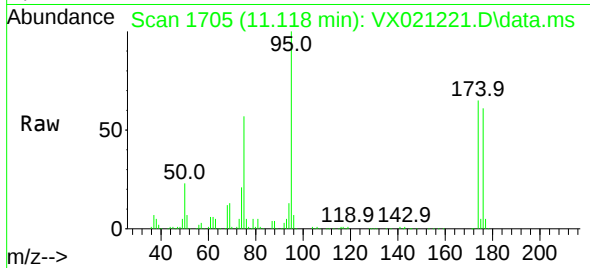
Tgt Ion: 75 Resp: 38555
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#



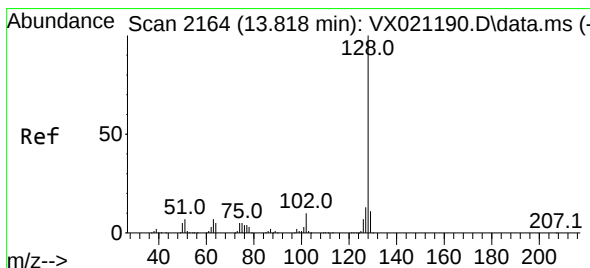
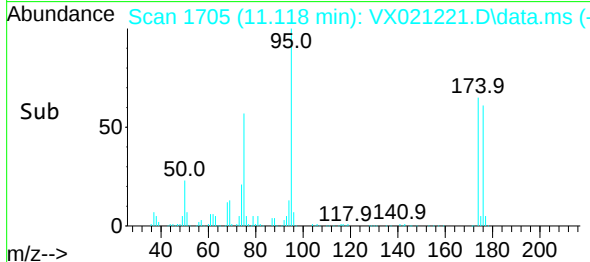
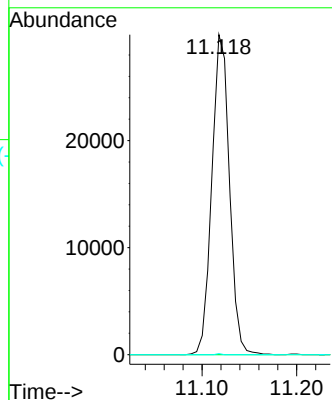


#81
trans-1,4-Dichloro-2-butene
Concen: 76.53 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4



Tgt Ion: 75 Resp: 38555
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.49 ug/l
RT: 13.812 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VX021221.D
Acq: 16 Mar 2021 00:21

Tgt Ion: 128 Resp: 105
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

