

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060121\
 Data File : VX022301.D
 Acq On : 01 Jun 2021 19:21
 Operator : JC/MD
 Sample : M2556-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

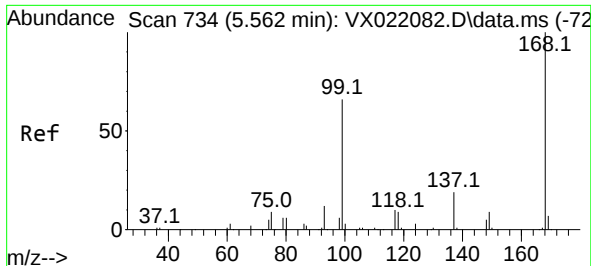
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8B

Quant Time: Jun 02 03:24:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	67289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	142638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	127179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52303	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	56001	53.95	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.90%			
35) Dibromofluoromethane	5.397	113	42496	46.98	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.96%			
50) Toluene-d8	8.652	98	176276	50.59	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.18%			
62) 4-Bromofluorobenzene	11.085	95	63346	49.19	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.38%			
Target Compounds						
						Qvalue
5) Bromomethane	1.623	94	207	0.38	ug/l	99
11) Tert butyl alcohol	2.977	59	18176	76.56	ug/l	98
13) Acrolein	2.263	56	52	0.33	ug/l #	1
16) Acetone	2.391	43	3262	7.22	ug/l	98
20) Methylene Chloride	2.800	84	252	0.25	ug/l #	49
25) 2-Butanone	4.580	43	1431	1.96	ug/l #	45
27) cis-1,2-Dichloroethene	4.495	96	254	0.25	ug/l #	52
28) Bromochloromethane	5.098	49	2256	2.90	ug/l #	9
29) Tetrahydrofuran	5.043	42	121	0.28	ug/l #	27
30) Chloroform	5.104	83	27606	16.69	ug/l	91
31) Cyclohexane	5.568	56	1724	1.32	ug/l #	14
36) 1,1-Dichloropropene	5.556	75	6777	5.14	ug/l #	46
37) Ethyl Acetate	4.580	43	1431	0.89	ug/l #	64
38) Carbon Tetrachloride	5.562	117	7480	5.80	ug/l #	18
44) Trichloroethene	7.128	130	616	0.61	ug/l	89
48) Methyl methacrylate	7.701	41	564	0.46	ug/l #	33
51) 4-Methyl-2-Pentanone	8.622	43	995	0.63	ug/l #	32
56) Ethyl methacrylate	9.128	69	431	0.26	ug/l #	47
59) 2-Hexanone	9.244	43	22173	18.61	ug/l	65
74) N-amyl acetate	10.878	43	12823	6.10	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	11.079	83	447	0.30	ug/l	79
76) 1,2,3-Trichloropropane	11.085	75	33291	25.80	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	33291	61.13	ug/l #	12

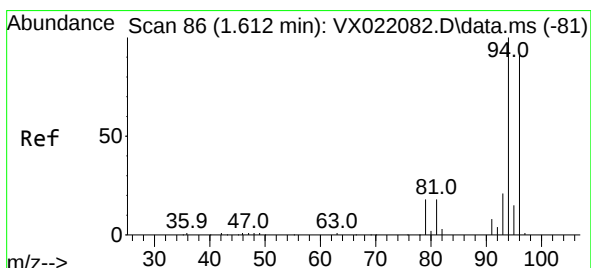
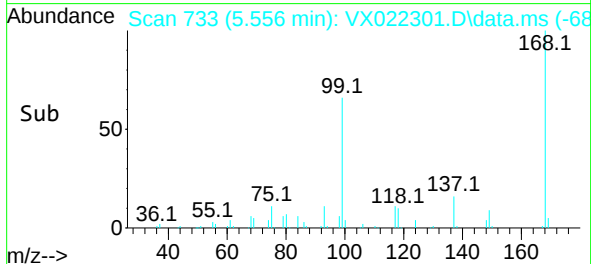
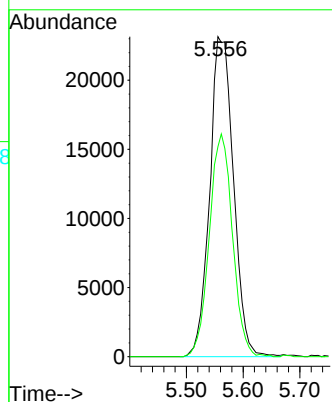
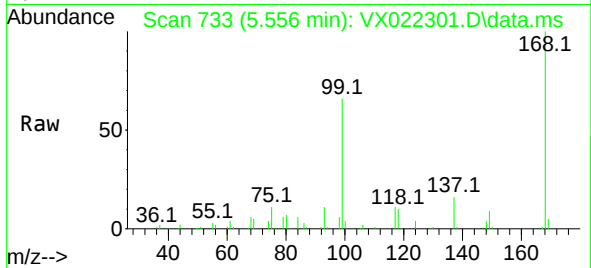
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

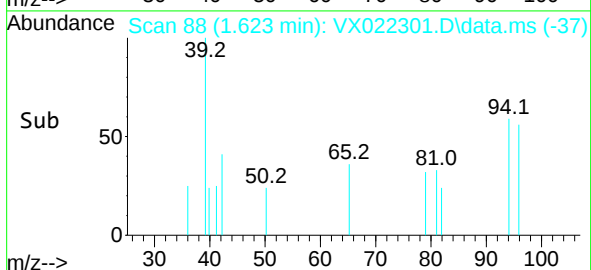
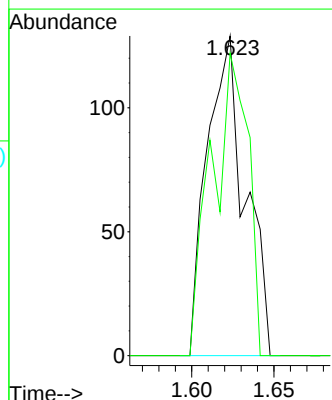
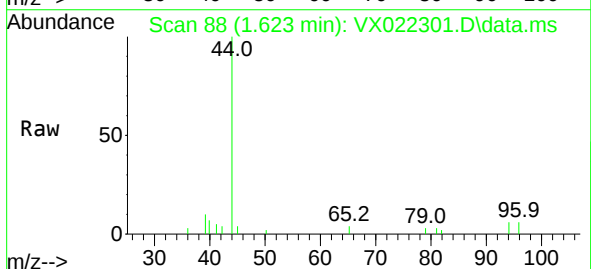
Instrument :
MSVOA_X
ClientSampled :
MW-8B

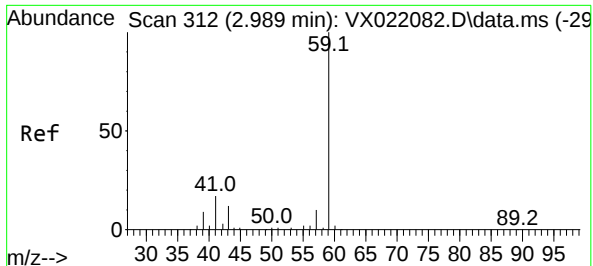
Tgt Ion:168 Resp: 67289
Ion Ratio Lower Upper
168 100
99 65.6 45.8 68.6



#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.623 min Scan# 88
Delta R.T. 0.011 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 94 Resp: 207
Ion Ratio Lower Upper
94 100
96 94.6 76.4 114.6



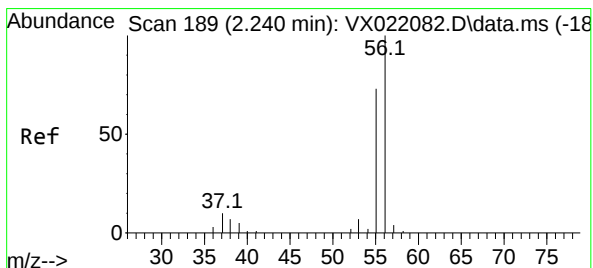
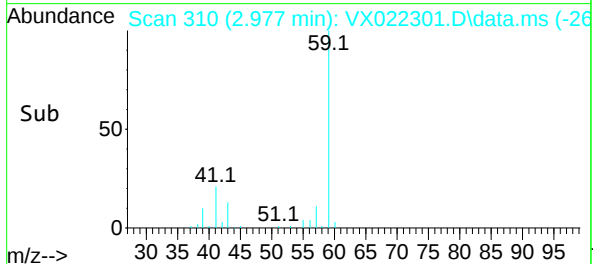
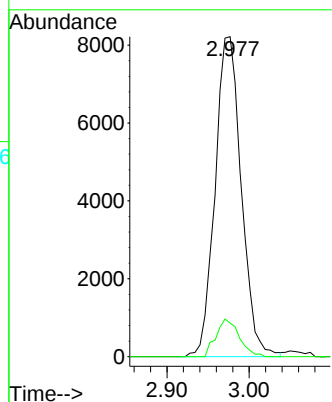
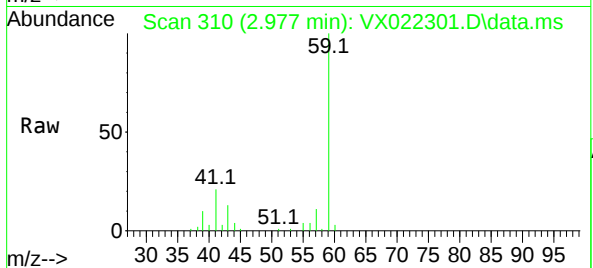


#11

Tert butyl alcohol
Concen: 76.56 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Instrument :
MSVOA_X
ClientSampled :
MW-8B

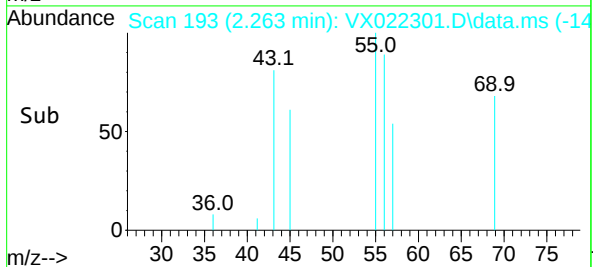
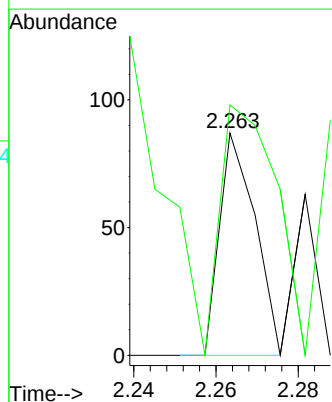
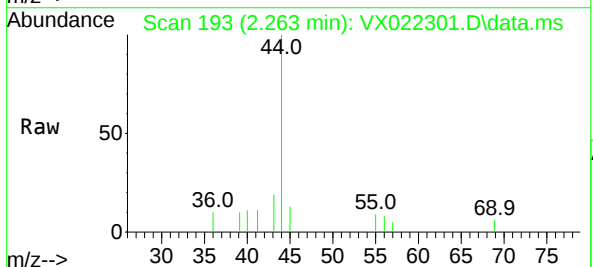
Tgt Ion: 59 Resp: 18176
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

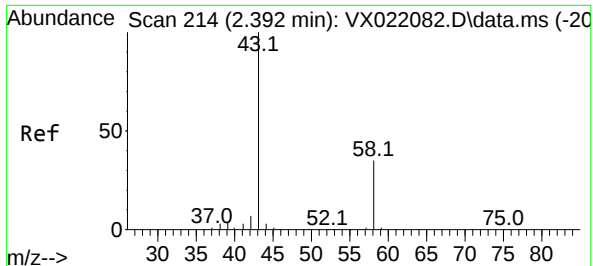


#13

Acrolein
Concen: 0.33 ug/l
RT: 2.263 min Scan# 193
Delta R.T. 0.023 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 178.8 56.4 84.6#

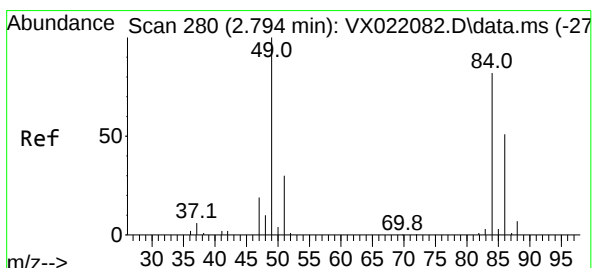
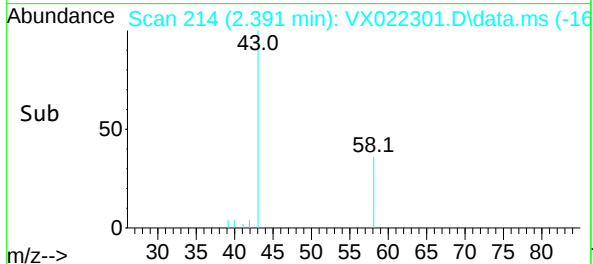
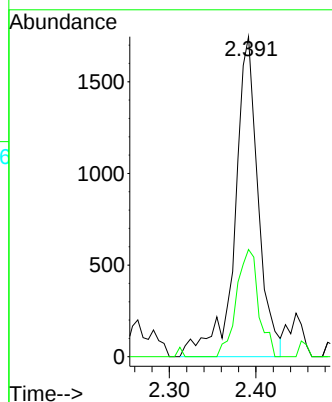
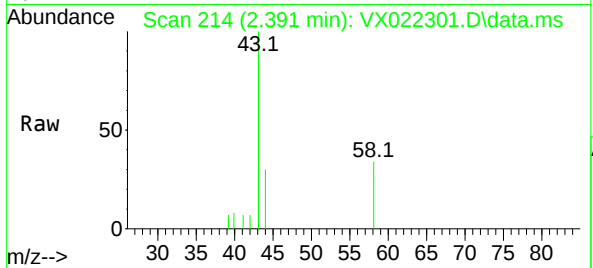




#16
Acetone
Concen: 7.22 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.001 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

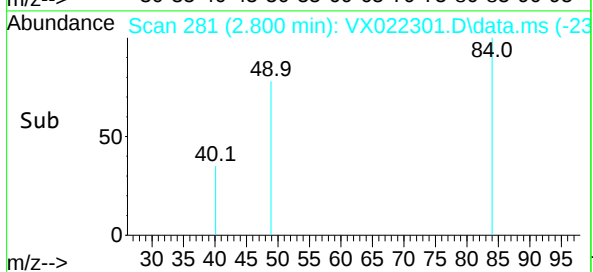
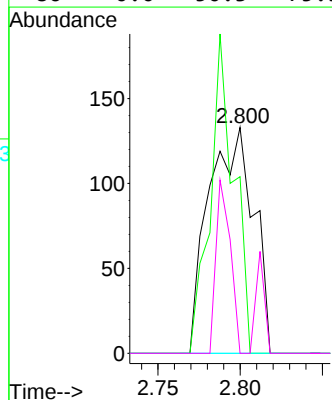
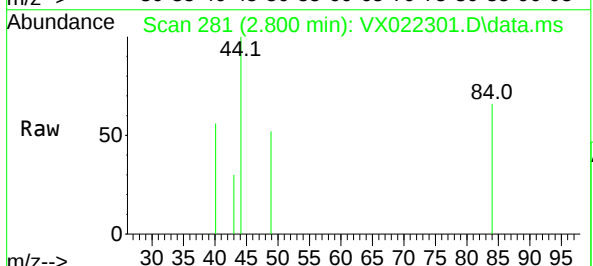
Instrument :
MSVOA_X
ClientSampled :
MW-8B

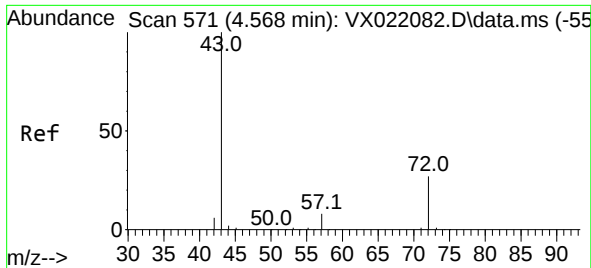
Tgt Ion: 43 Resp: 3262
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8



#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 84 Resp: 252
Ion Ratio Lower Upper
84 100
49 78.2 88.6 132.8#
51 0.0 27.0 40.6#
86 0.0 50.3 75.5#

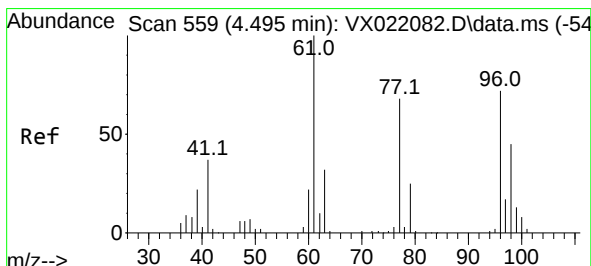
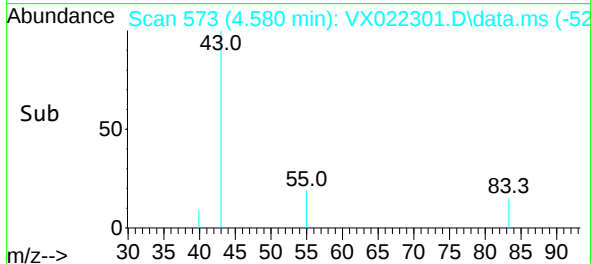
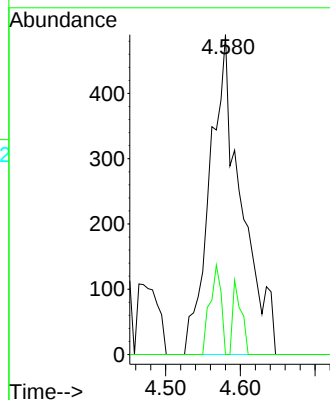
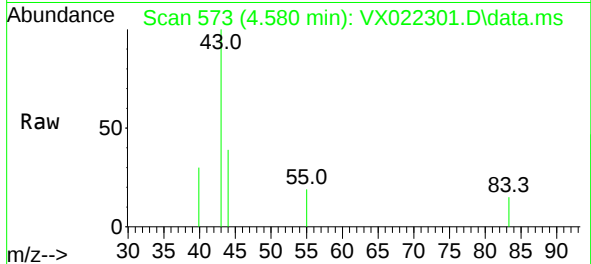




#25
2-Butanone
Concen: 1.96 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

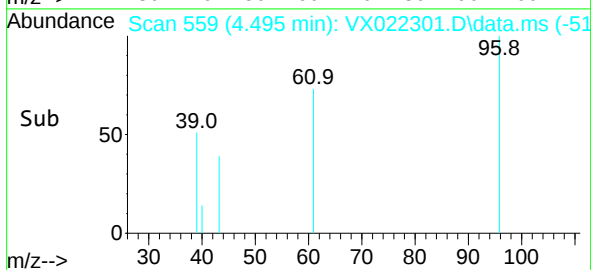
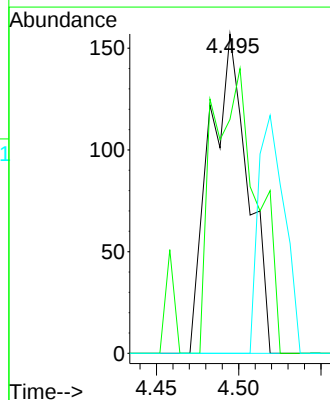
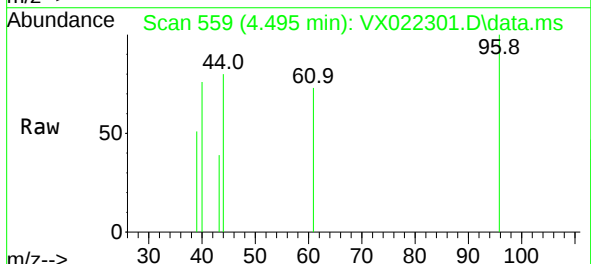
Instrument :
MSVOA_X
ClientSampled :
MW-8B

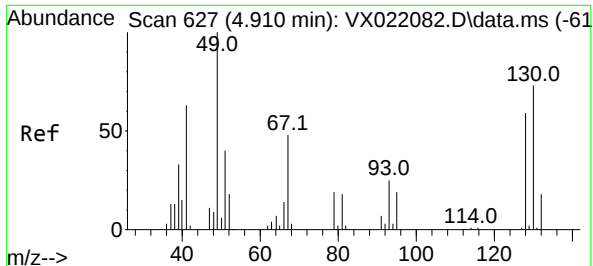
Tgt Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 0.25 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.000 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 96 Resp: 254
Ion Ratio Lower Upper
96 100
61 103.1 0.0 285.6
98 0.0 0.0 129.6

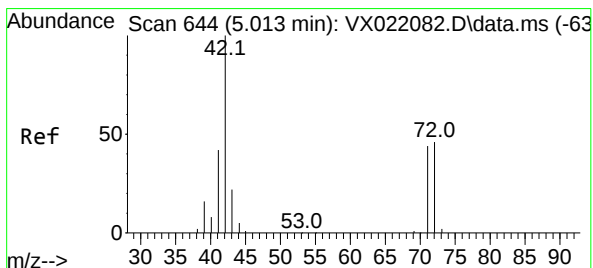
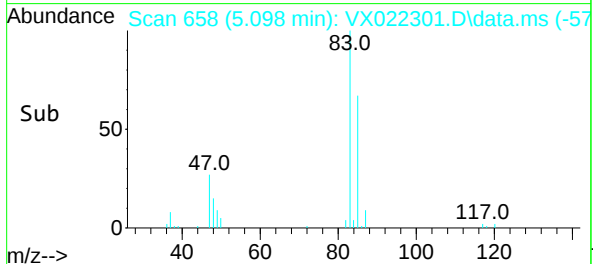
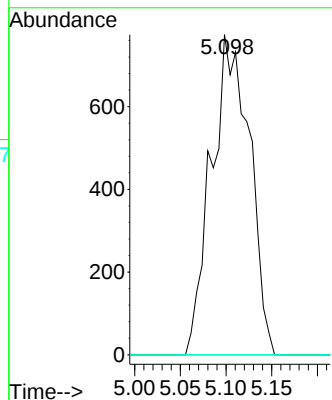
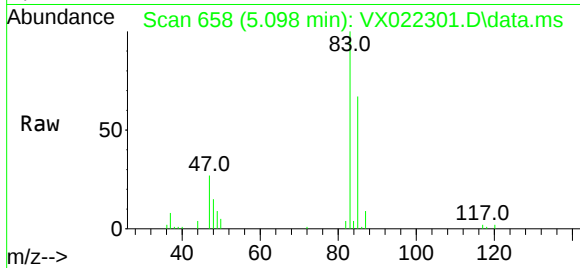




#28
Bromochloromethane
Concen: 2.90 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.188 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

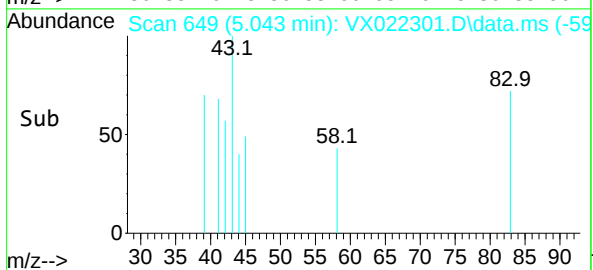
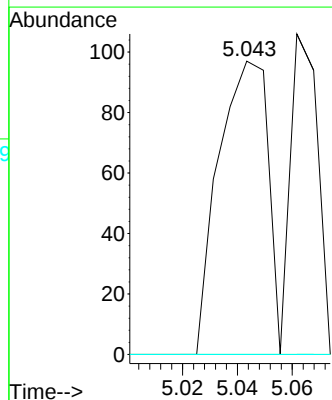
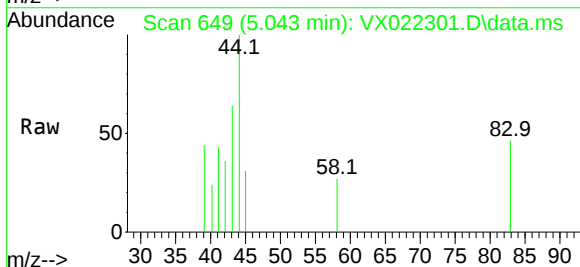
Instrument :
MSVOA_X
ClientSampleId :
MW-8B

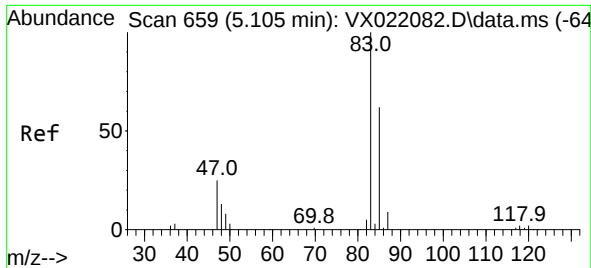
Tgt Ion: 49 Resp: 2256
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.030 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 42 Resp: 121
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#

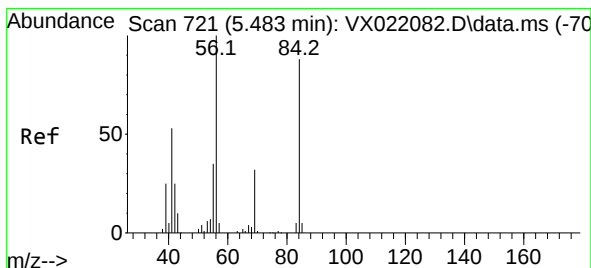
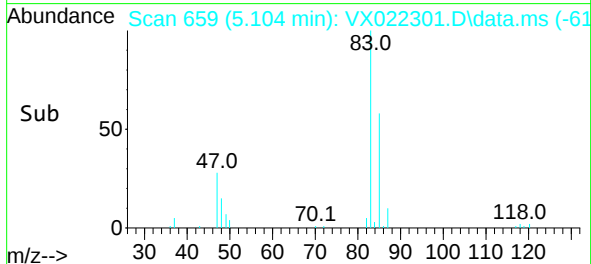
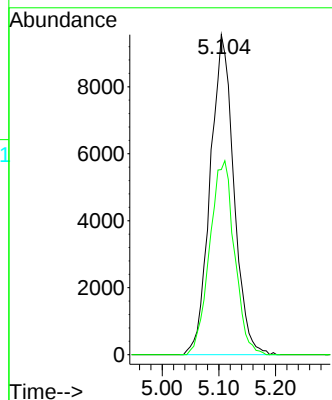
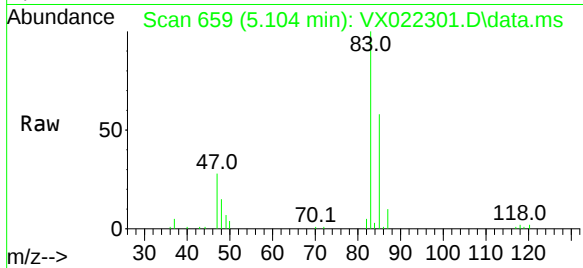




#30
Chloroform
Concen: 16.69 ug/l
RT: 5.104 min Scan# 659
Delta R.T. -0.001 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

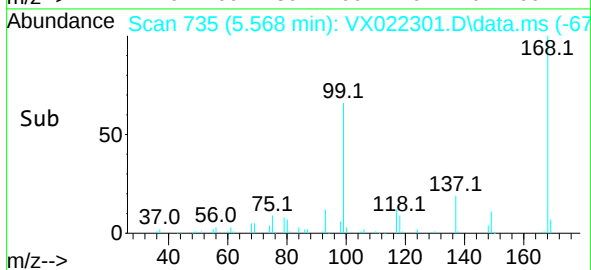
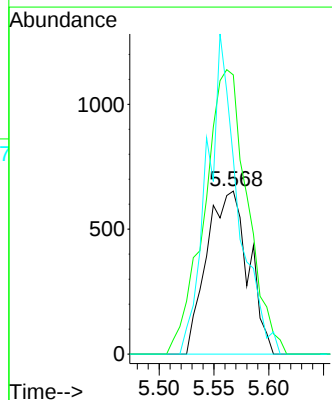
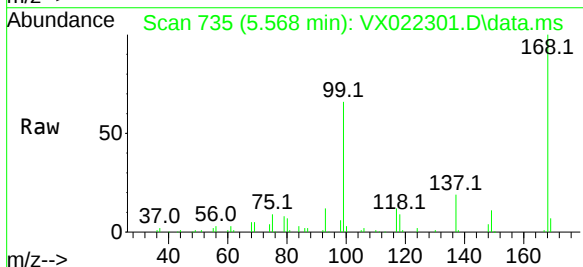
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ClientSampleId :
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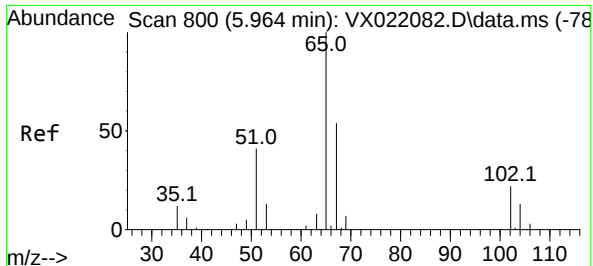
Tgt Ion: 83 Resp: 27606
Ion Ratio Lower Upper
83 100
85 57.8 52.0 78.0



#31
Cyclohexane
Concen: 1.32 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.085 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 56 Resp: 1724
Ion Ratio Lower Upper
56 100
69 162.5 25.3 37.9#
84 119.8 71.4 107.0#



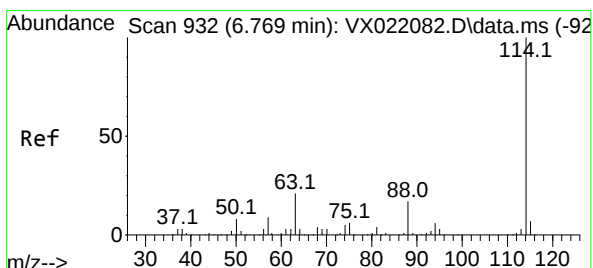
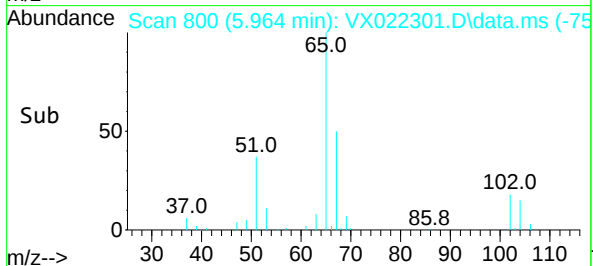
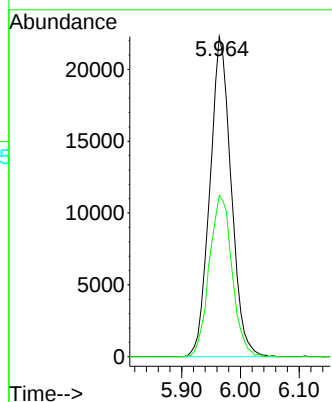
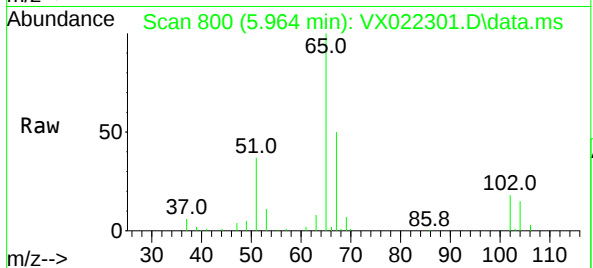


#33

1,2-Dichloroethane-d4
Concen: 53.95 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Instrument :
MSVOA_X
ClientSampled :
MW-8B

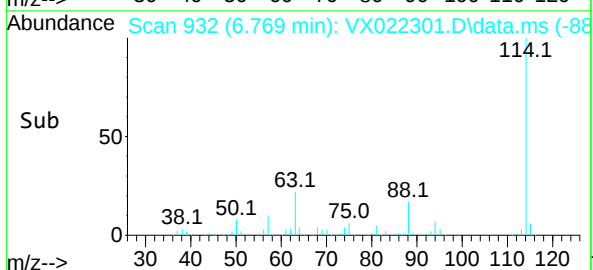
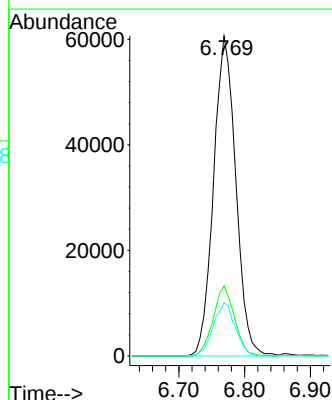
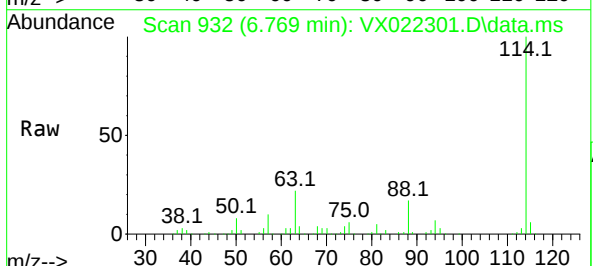
Tgt Ion: 65 Resp: 56001
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.4

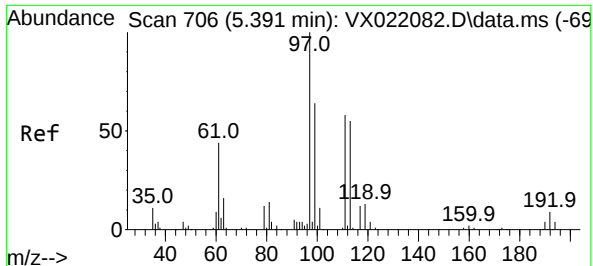


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

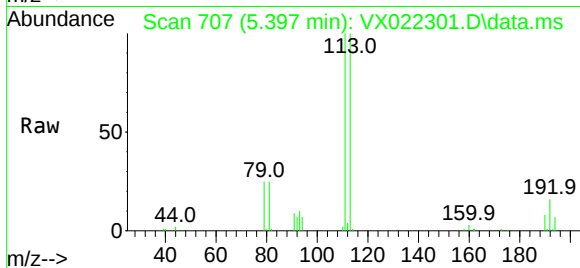
Tgt Ion: 114 Resp: 142638
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 16.7 0.0 32.8



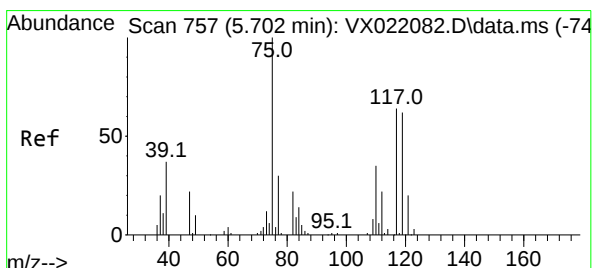
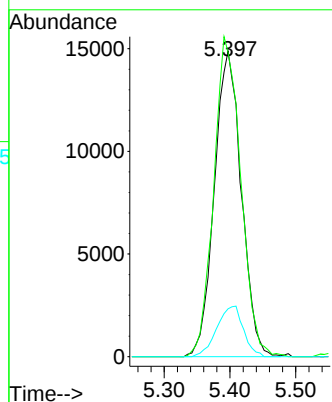
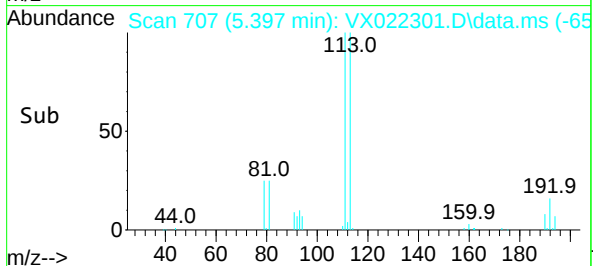


#35
Dibromofluoromethane
Concen: 46.98 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

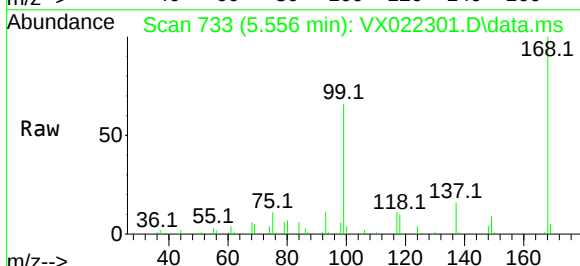
Instrument :
MSVOA_X
ClientSampled :
MW-8B



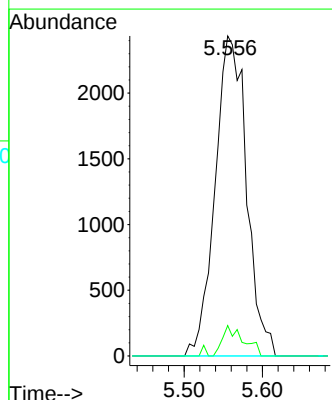
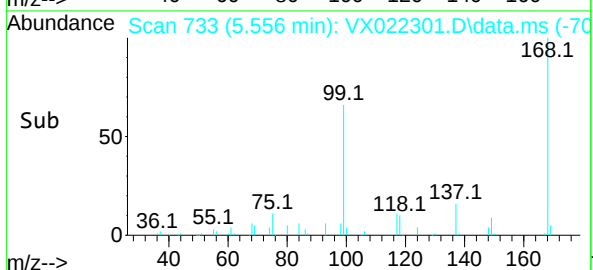
Tgt Ion:113 Resp: 42496
Ion Ratio Lower Upper
113 100
111 104.8 81.9 122.9
192 16.3 16.7 25.1#

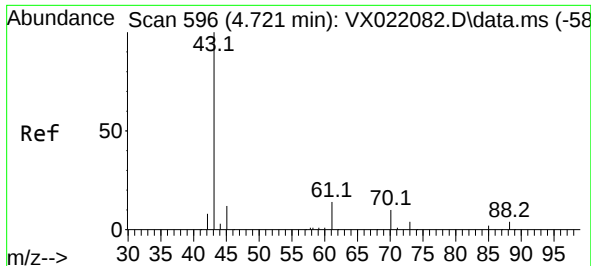


#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21



Tgt Ion: 75 Resp: 6777
Ion Ratio Lower Upper
75 100
110 6.4 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.89 ug/l

RT: 4.580 min Scan# 573

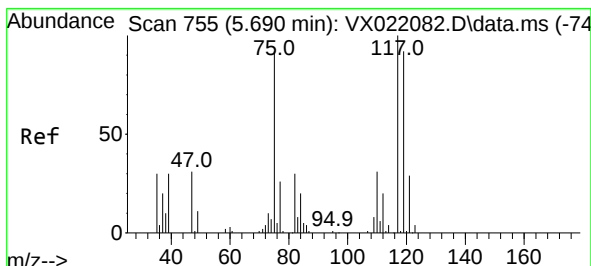
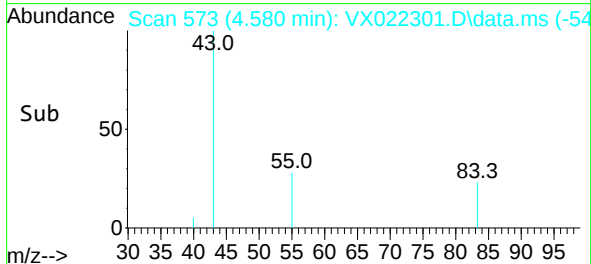
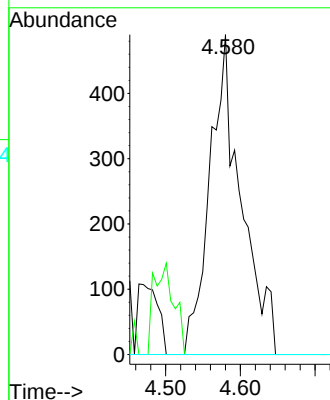
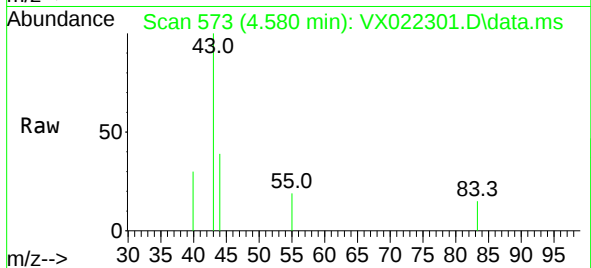
Delta R.T. -0.141 min

Lab File: VX022301.D

Acq: 01 Jun 2021 19:21

Tgt Ion: 43	Resp: 1431
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	10.5 15.7#

Instrument :
MSVOA_X
ClientSampled :
MW-8B



#38

Carbon Tetrachloride

Concen: 5.80 ug/l

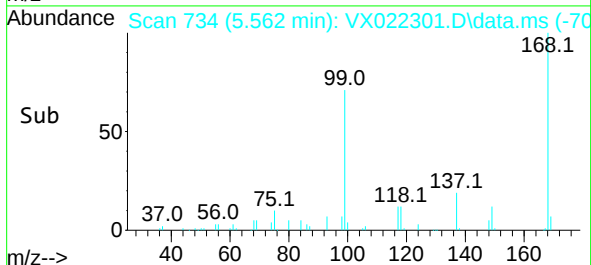
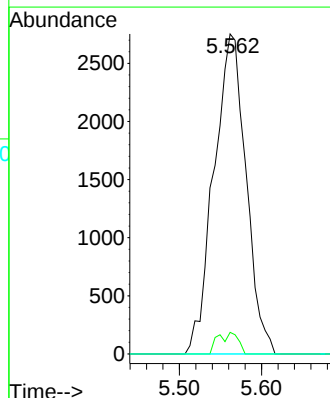
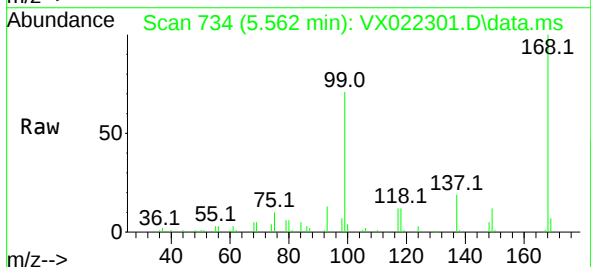
RT: 5.562 min Scan# 734

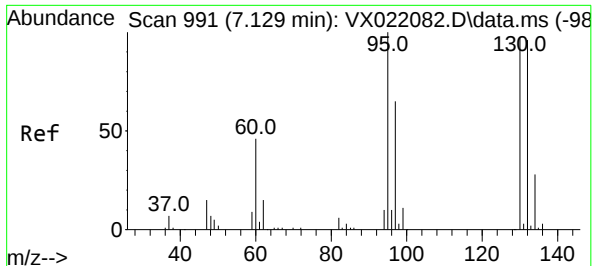
Delta R.T. -0.128 min

Lab File: VX022301.D

Acq: 01 Jun 2021 19:21

Tgt Ion: 117	Resp: 7480
Ion Ratio	Lower Upper
117 100	
119 6.7	76.2 114.2#
121 0.0	24.8 37.2#

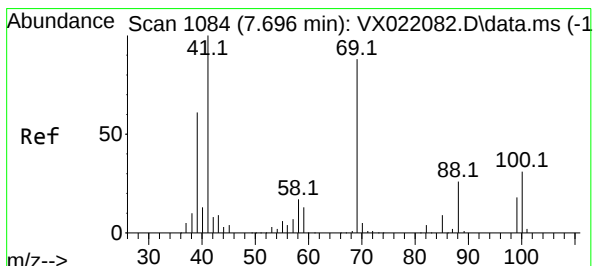
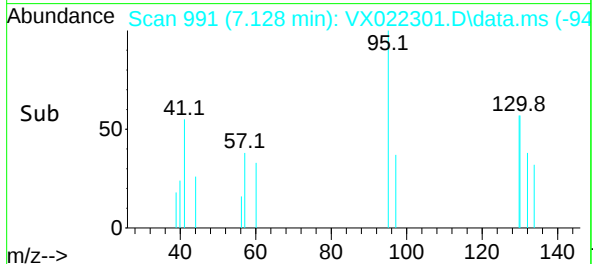
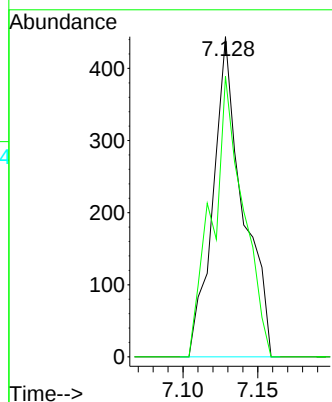
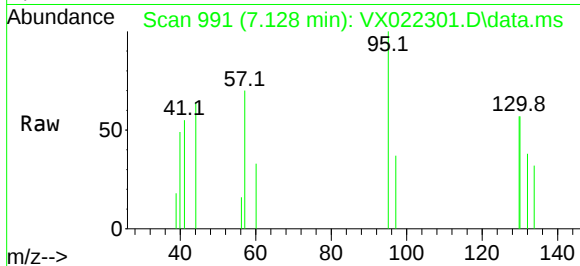




#44
Trichloroethene
Concen: 0.61 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.001 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

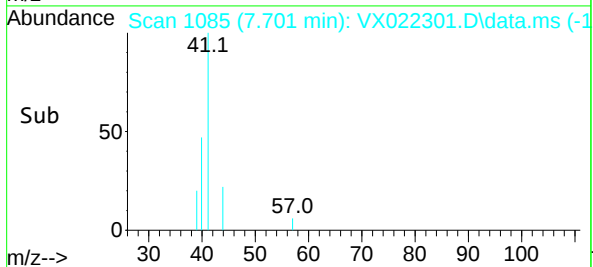
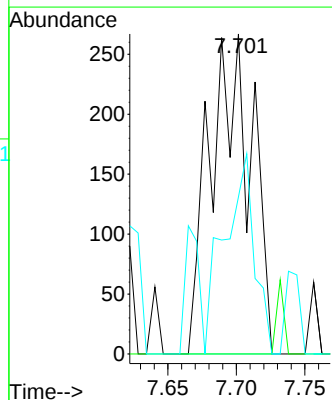
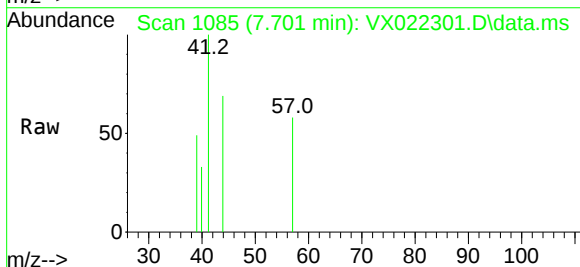
Instrument :
MSVOA_X
ClientSampleId :
MW-8B

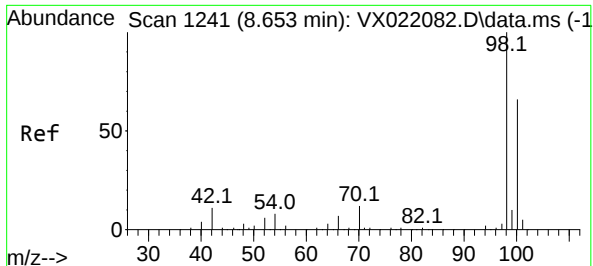
Tgt Ion:130 Resp: 616
Ion Ratio Lower Upper
130 100
95 87.6 0.0 198.0



#48
Methyl methacrylate
Concen: 0.46 ug/l
RT: 7.701 min Scan# 1085
Delta R.T. 0.005 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 41 Resp: 564
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 45.6 44.6 67.0

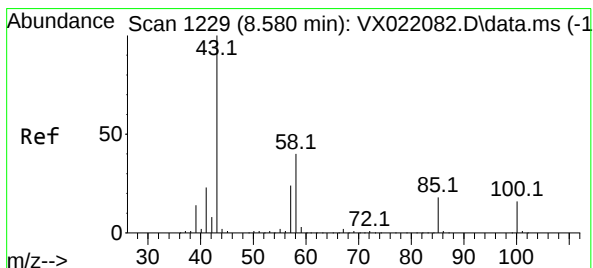
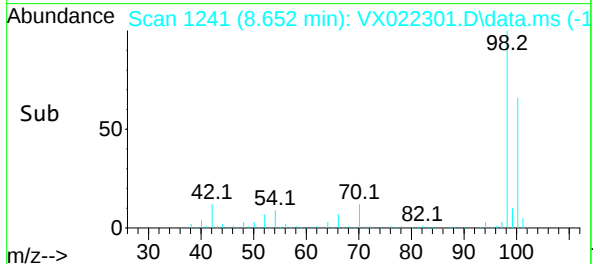
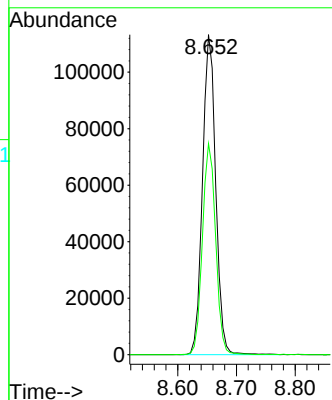
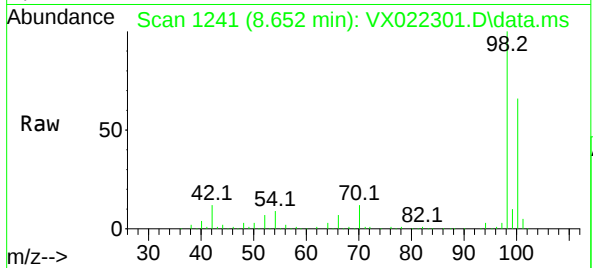




#50
Toluene-d8
Concen: 50.59 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.001 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

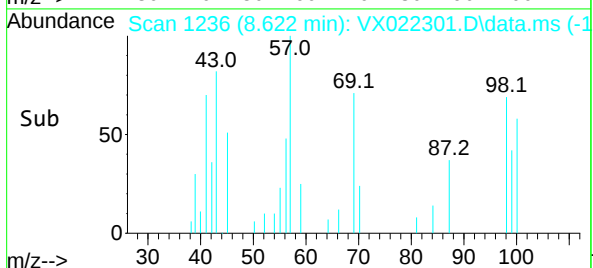
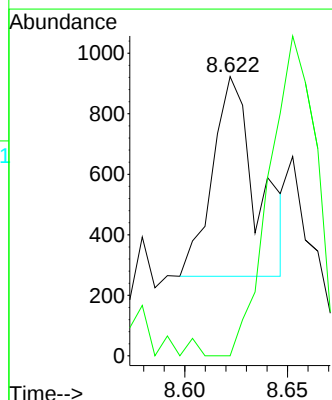
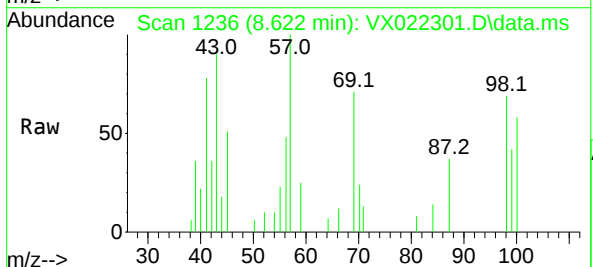
Instrument :
MSVOA_X
ClientSampleId :
MW-8B

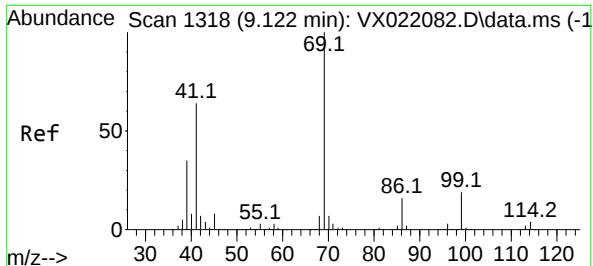
Tgt Ion: 98 Resp: 176276
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.63 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.042 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 43 Resp: 995
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#

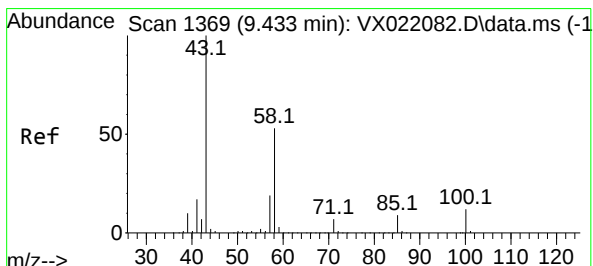
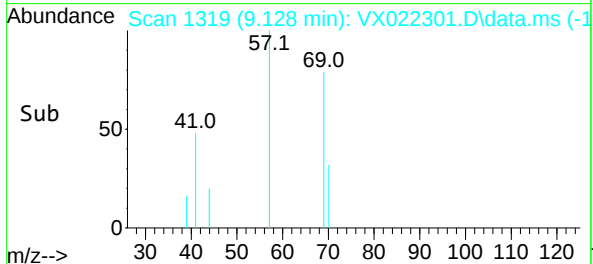
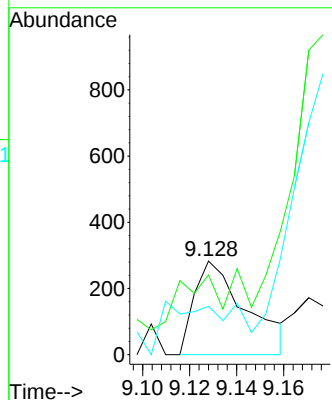
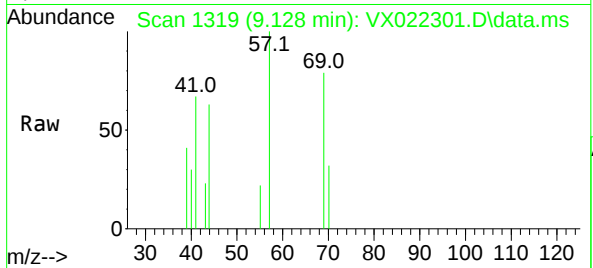




#56
Ethyl methacrylate
Concen: 0.26 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

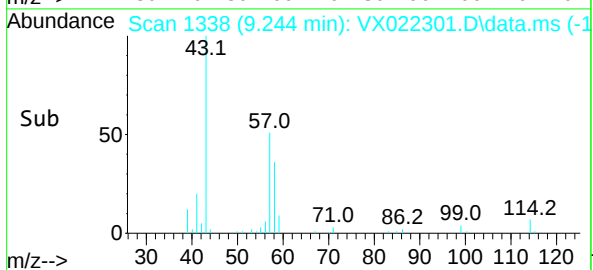
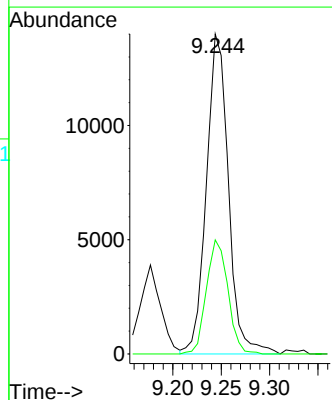
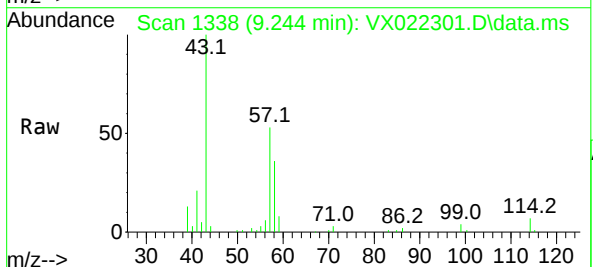
Instrument :
MSVOA_X
ClientSampled :
MW-8B

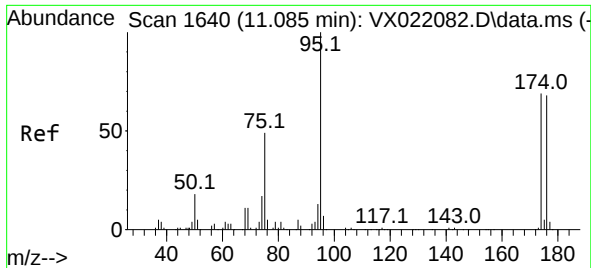
Tgt Ion: 69 Resp: 431
Ion Ratio Lower Upper
69 100
41 97.0 46.8 70.2#
39 0.0 24.7 37.1#



#59
2-Hexanone
Concen: 18.61 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. -0.189 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 43 Resp: 22173
Ion Ratio Lower Upper
43 100
58 34.8 30.9 92.8

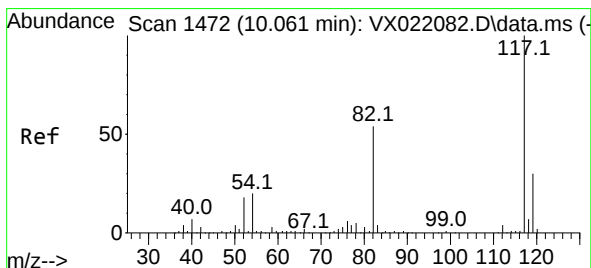
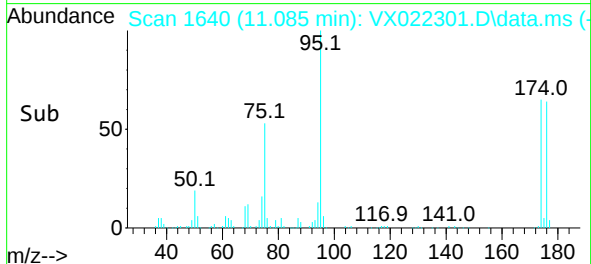
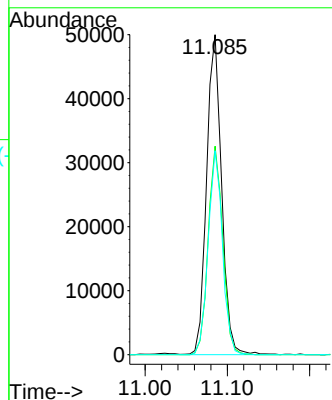
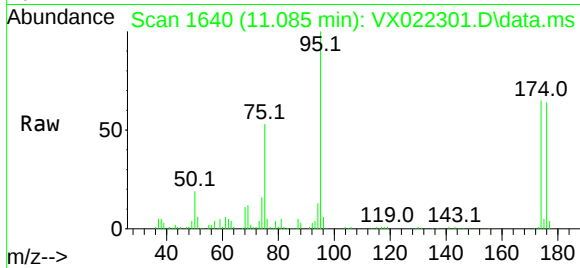




#62
4-Bromofluorobenzene
Concen: 49.19 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

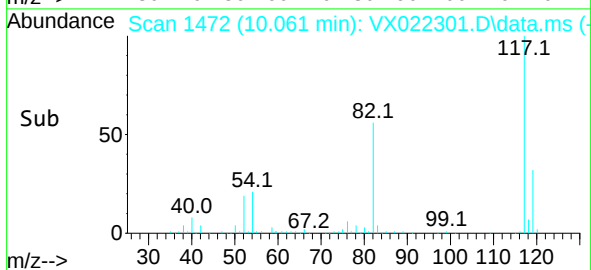
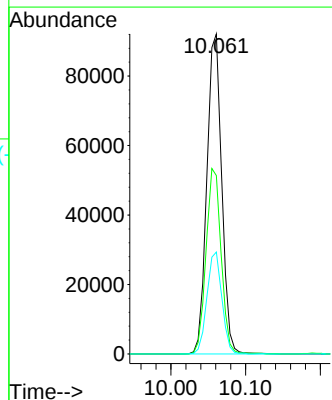
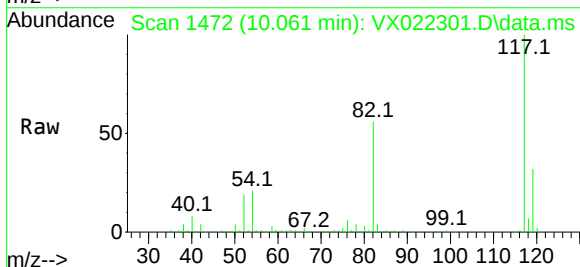
Instrument :
MSVOA_X
ClientSampleId :
MW-8B

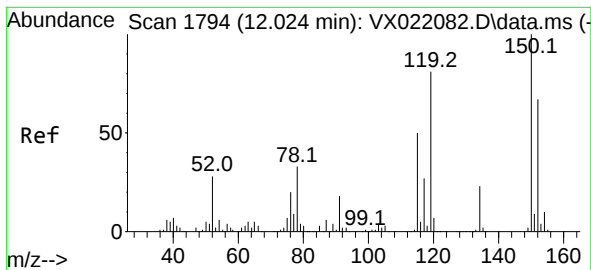
Tgt Ion: 95 Resp: 63346
Ion Ratio Lower Upper
95 100
174 63.5 0.0 154.6
176 60.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 117 Resp: 127179
Ion Ratio Lower Upper
117 100
82 55.8 47.4 71.2
119 31.8 26.6 39.8

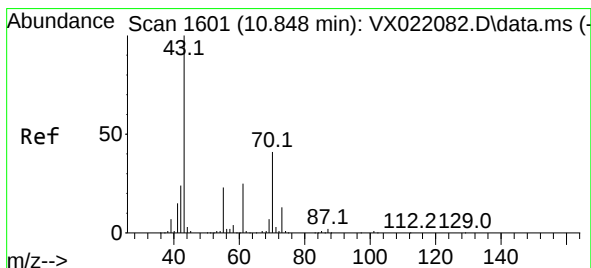
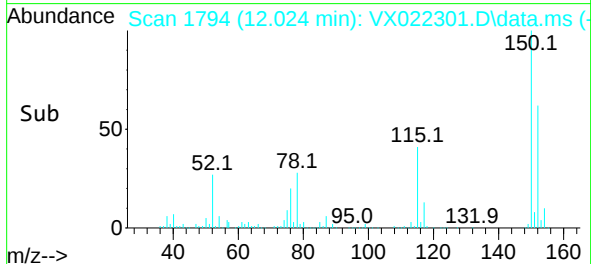
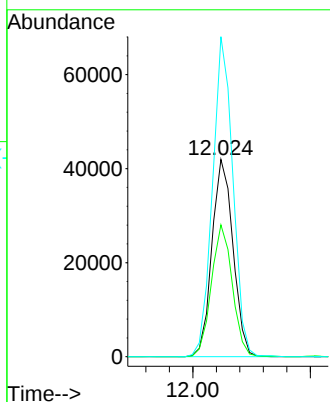
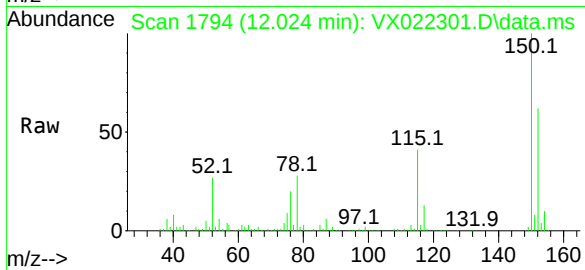




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

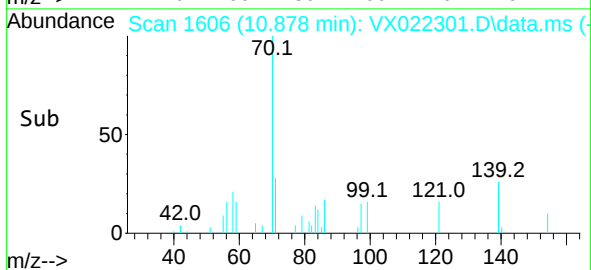
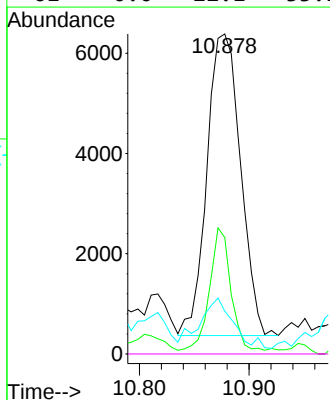
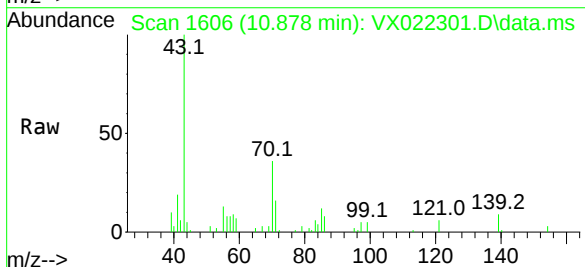
Instrument :
MSVOA_X
ClientSampled :
MW-8B

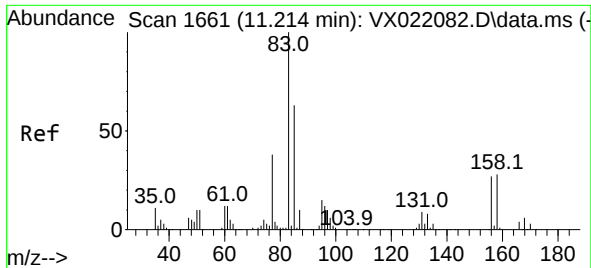
Tgt Ion:152 Resp: 52303
Ion Ratio Lower Upper
152 100
115 66.4 41.1 123.3
150 156.7 0.0 349.0



#74
N-ethyl acetate
Concen: 6.10 ug/l
RT: 10.878 min Scan# 1606
Delta R.T. 0.030 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

Tgt Ion: 43 Resp: 12823
Ion Ratio Lower Upper
43 100
70 25.3 39.0 58.6#
55 16.4 21.5 32.3#
61 0.0 22.1 33.1#

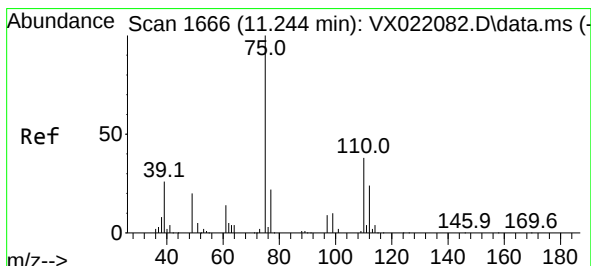
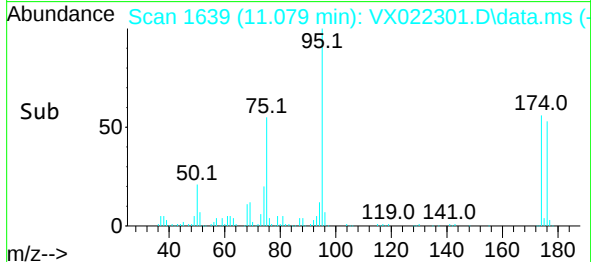
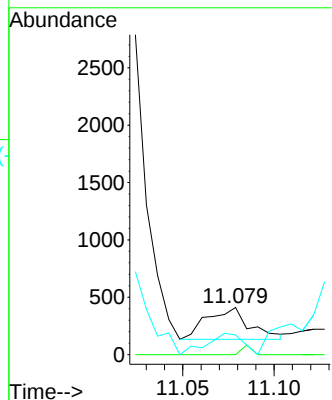
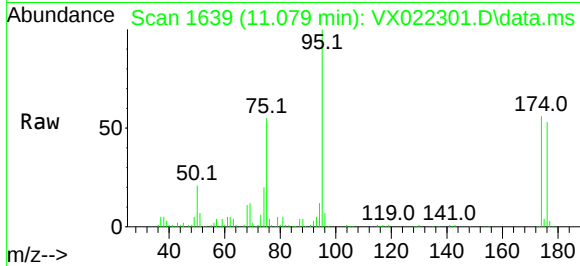




#75
1,1,2,2-Tetrachloroethane
Concen: 0.30 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.135 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

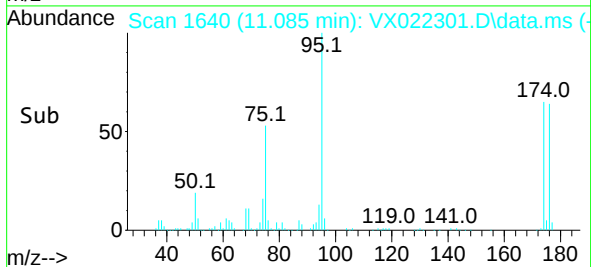
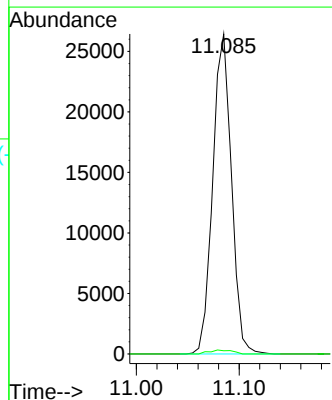
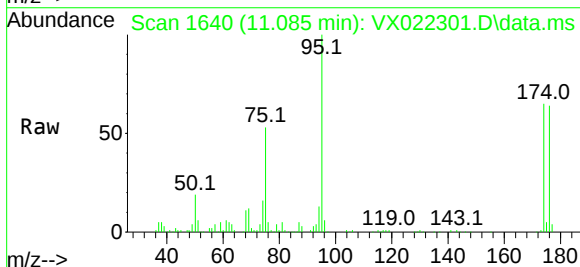
Instrument :
MSVOA_X
ClientSampled :
MW-8B

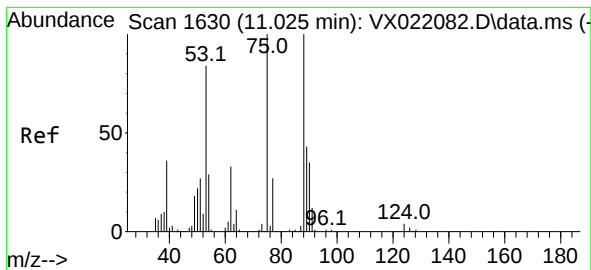
Tgt Ion: 83 Resp: 447
Ion Ratio Lower Upper
83 100
131 6.9 5.1 15.2
85 45.6 31.8 95.4



#76
1,2,3-Trichloropropane
Concen: 25.80 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022301.D
Acq: 01 Jun 2021 19:21

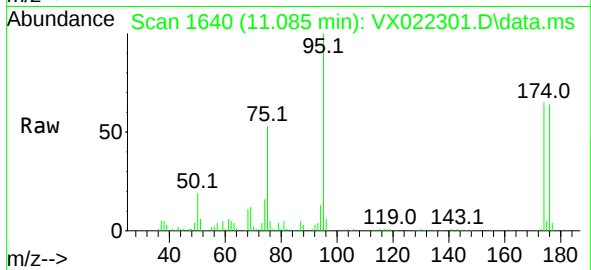
Tgt Ion: 75 Resp: 33291
Ion Ratio Lower Upper
75 100
77 1.5 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.13 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022301.D
 Acq: 01 Jun 2021 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8B



Tgt Ion:	75	Resp:	33291
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.1	37.9	56.9#

