

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121820\
 Data File : VW017679.D
 Acq On : 18 Dec 2020 16:27
 Operator : SY/VA
 Sample : L5036-09
 Misc : 5.86G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 00:13:49 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 14 12:39:23 2020
 Response via : Initial Calibration

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

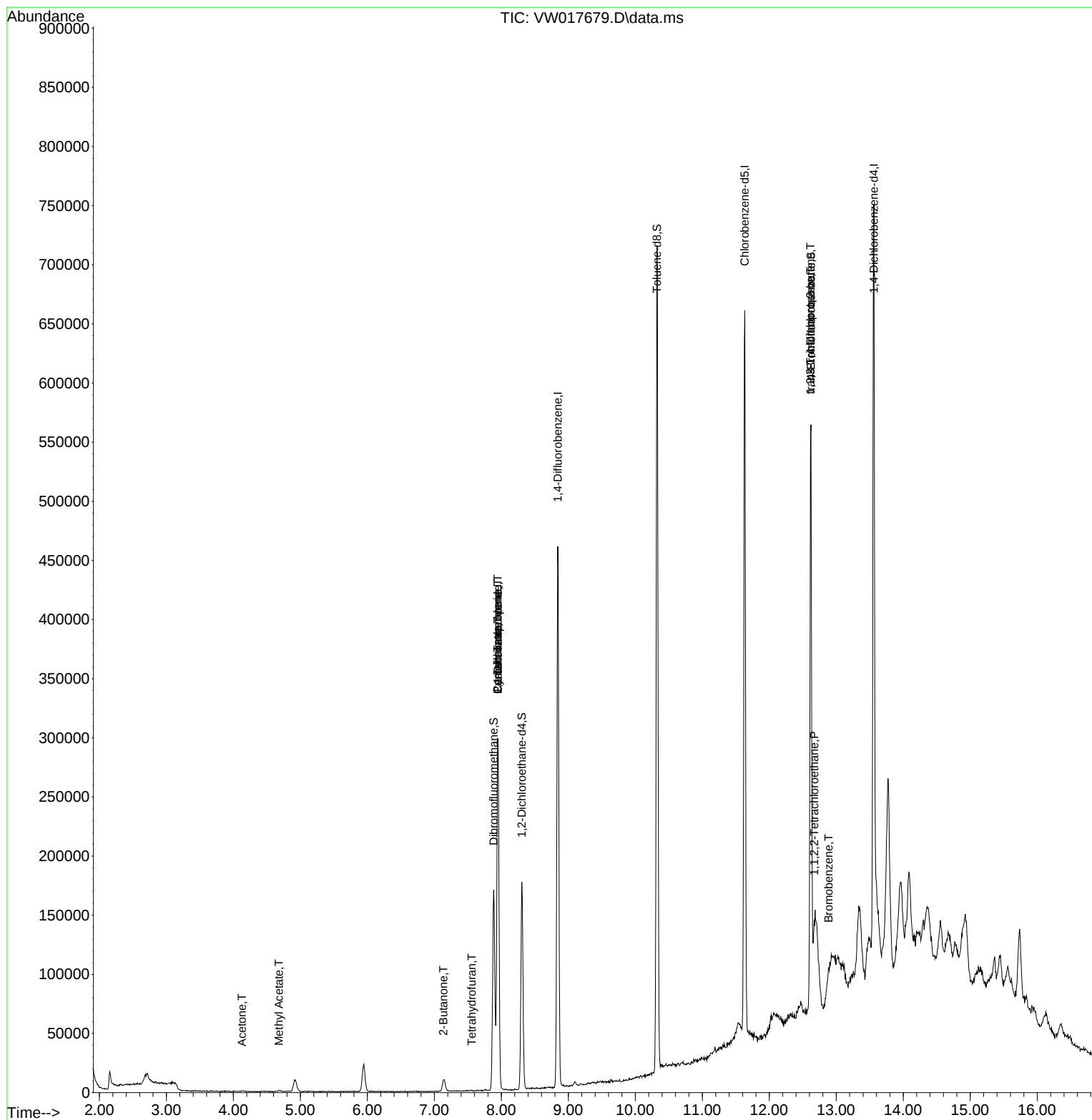
Internal Standards						
1) Pentafluorobenzene	7.945	168	213015	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.842	114	367212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	322381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	148466	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	136759	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.42%	
35) Dibromofluoromethane	7.885	113	115988	47.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.46%	
50) Toluene-d8	10.323	98	451675	47.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.621	95	164882	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.172	59	176	Below Cal	#	82
16) Acetone	4.129	43	620	1.10	ug/l	91
18) Methyl Acetate	4.678	43	2447	2.13	ug/l	# 77
20) Methylene Chloride	4.916	84	8104	Below Cal	#	89
25) 2-Butanone	7.135	43	878	1.17	ug/l	# 43
26) 2,2-Dichloropropane	7.135	77	821	Below Cal	#	50
29) Tetrahydrofuran	7.555	42	493	1.17	ug/l	# 27
31) Cyclohexane	7.945	56	5949	1.33	ug/l	# 13
36) 1,1-Dichloropropene	7.945	75	19172	4.99	ug/l	# 49
38) Carbon Tetrachloride	7.945	117	23052	5.97	ug/l	# 13
75) 1,1,2,2-Tetrachloroethane	12.670	83	14456	7.38	ug/l	# 31
76) 1,2,3-Trichloropropane	12.615	75	89203	62.42	ug/l	# 1
77) Bromobenzene	12.884	156	15948	6.34	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.615	75	89203	126.46	ug/l	# 11

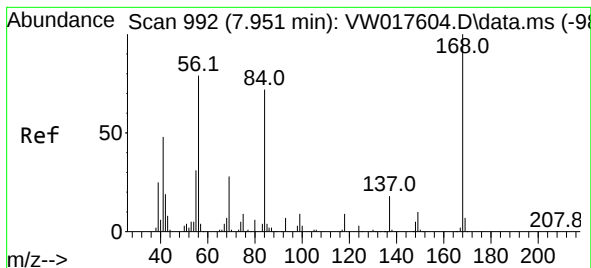
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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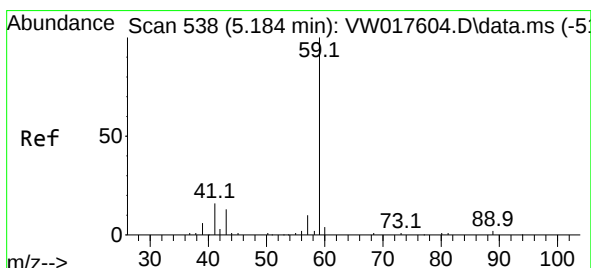
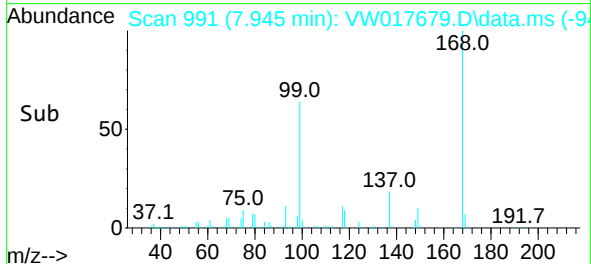
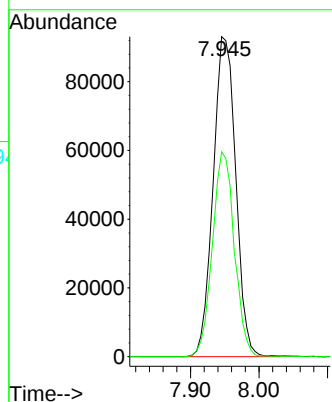
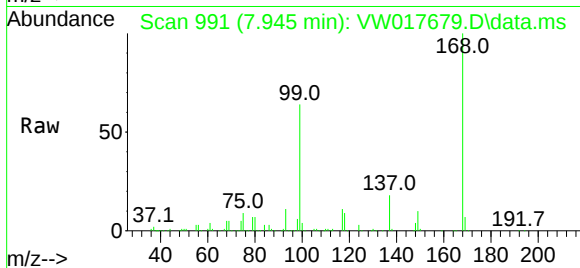




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

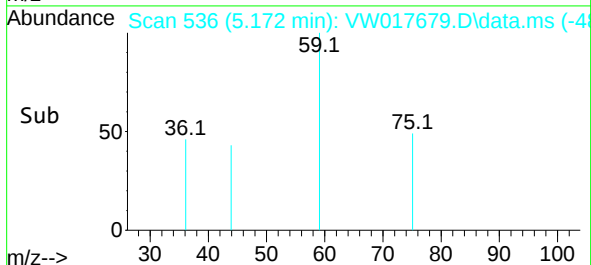
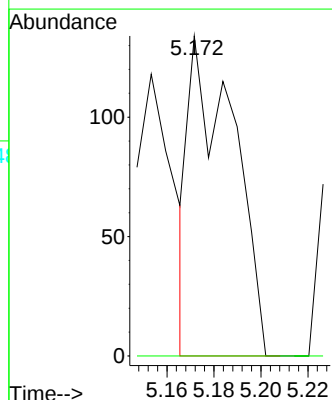
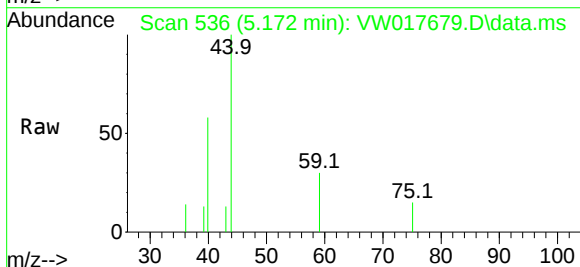
Instrument :
MSVOA_W
ClientSampleId :

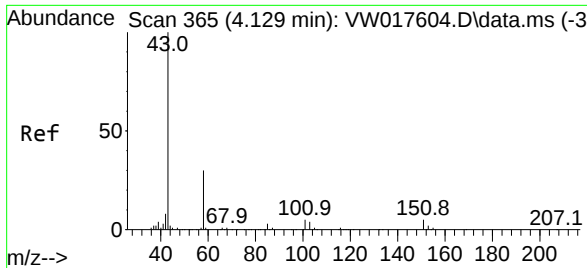
Tgt Ion:168 Resp: 213015
Ion Ratio Lower Upper
168 100
99 64.0 40.7 61.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.172 min Scan# 536
Delta R.T. -0.012 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

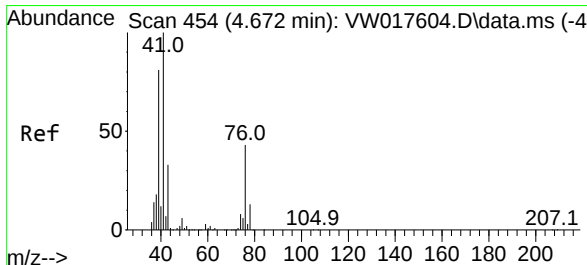
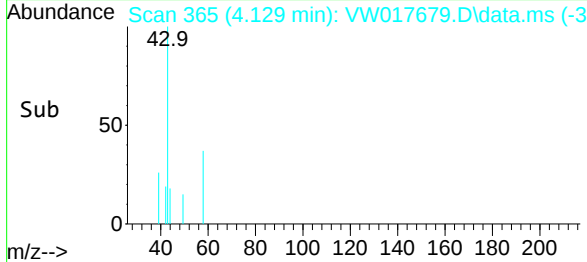
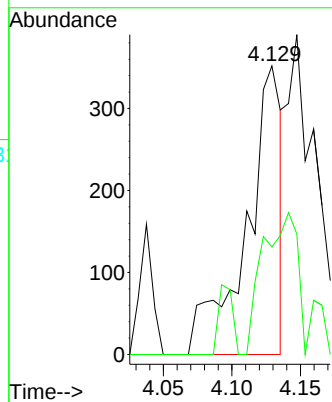
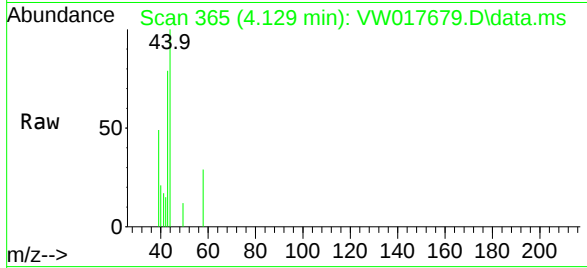




#16
Acetone
Concen: 1.10 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.000 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

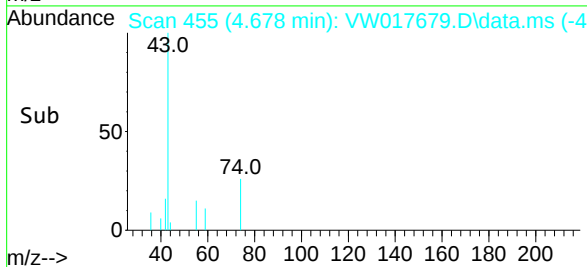
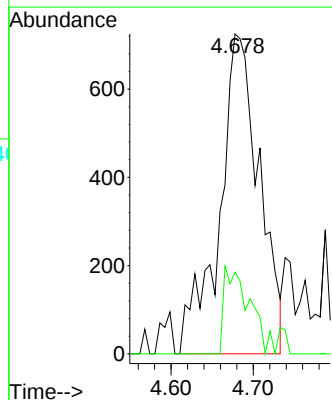
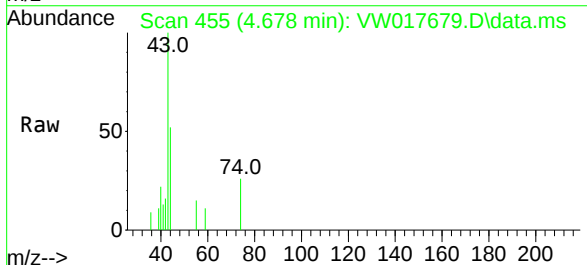
Instrument :
MSVOA_W
ClientSampleId :

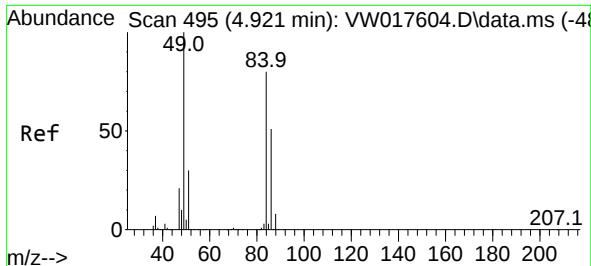
Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
58 37.2 25.7 38.5



#18
Methyl Acetate
Concen: 2.13 ug/l
RT: 4.678 min Scan# 455
Delta R.T. 0.006 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

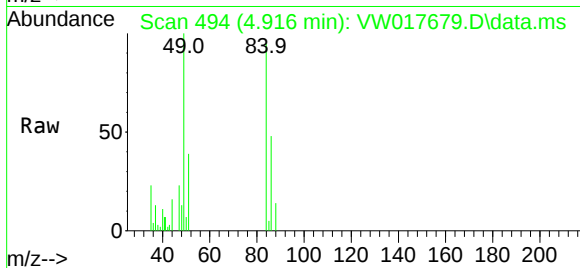
Tgt Ion: 43 Resp: 2447
Ion Ratio Lower Upper
43 100
74 17.5 23.8 35.6#



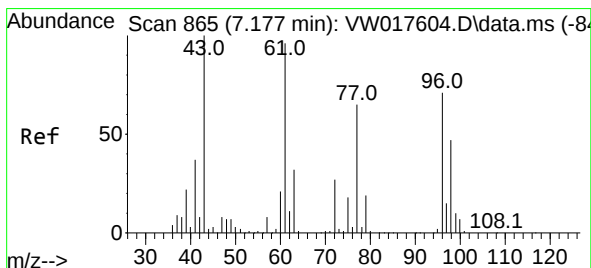
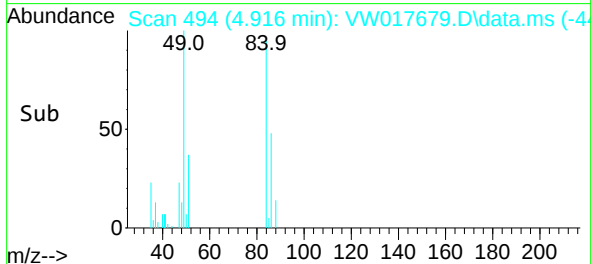
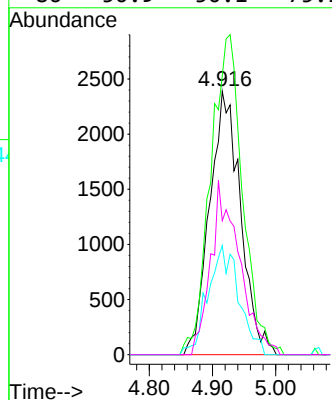


#20
Methylene Chloride
Concen: Below Cal
RT: 4.916 min Scan# 494
Delta R.T. -0.005 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

Instrument :
MSVOA_W
ClientSampleId :

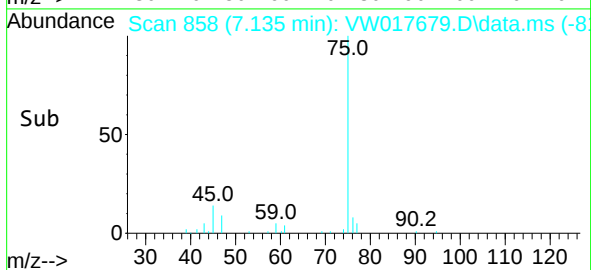
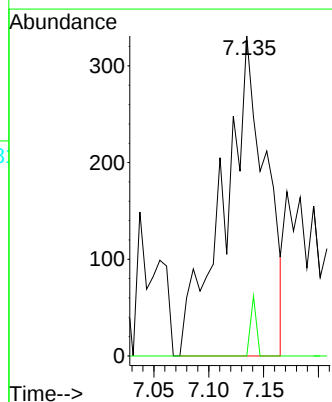
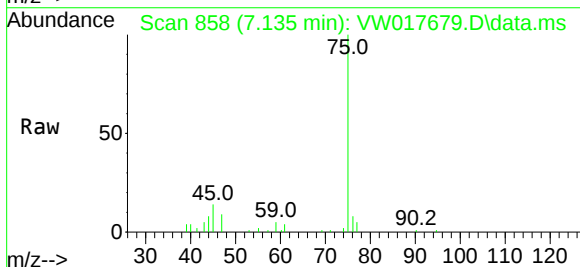


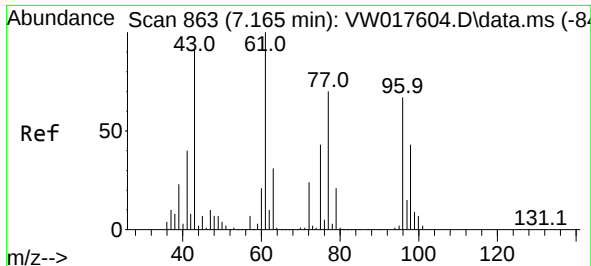
Tgt Ion:	84	Resp:	8104
Ion	Ratio	Lower	Upper
84	100		
49	105.8	79.0	118.6
51	41.4	26.1	39.1#
86	50.9	50.1	75.1



#25
2-Butanone
Concen: 1.17 ug/l
RT: 7.135 min Scan# 858
Delta R.T. -0.042 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

Tgt Ion:	43	Resp:	878
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.4	38.2#

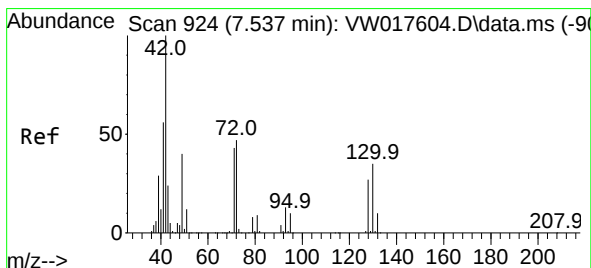
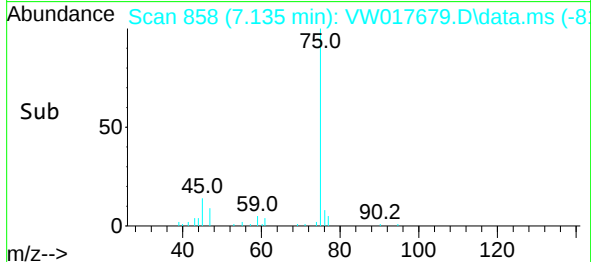
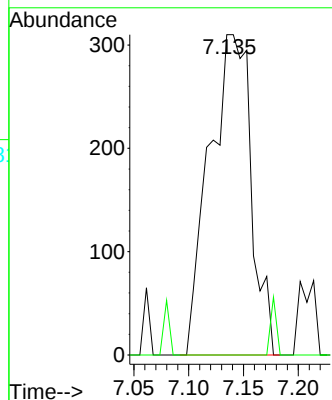
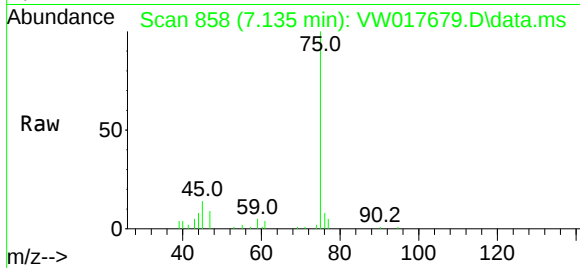




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.135 min Scan# 858
Delta R.T. -0.030 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

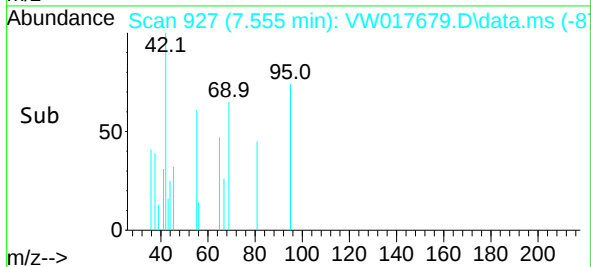
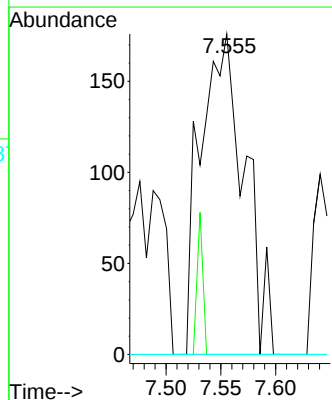
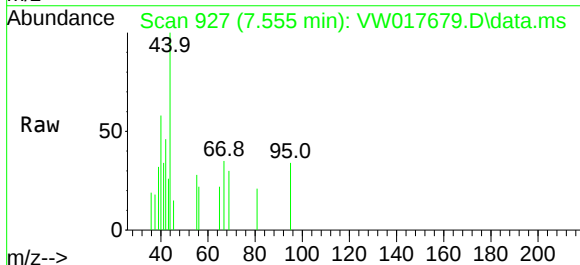
Instrument :
MSVOA_W
ClientSampleId :

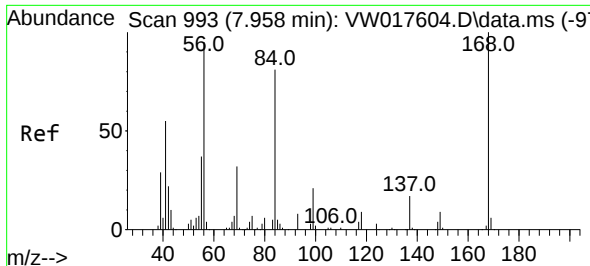
Tgt Ion: 77 Resp: 821
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#



#29
Tetrahydrofuran
Concen: 1.17 ug/l
RT: 7.555 min Scan# 927
Delta R.T. 0.018 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

Tgt Ion: 42 Resp: 493
Ion Ratio Lower Upper
42 100
72 0.0 42.0 63.0#
71 0.0 39.0 58.6#

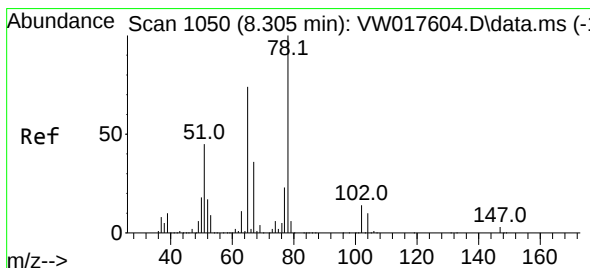
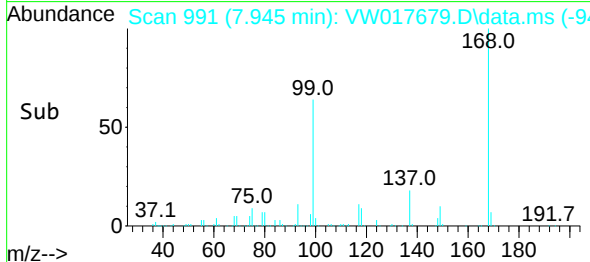
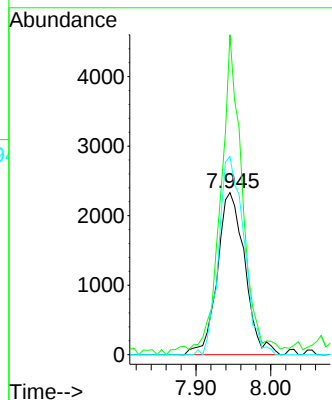
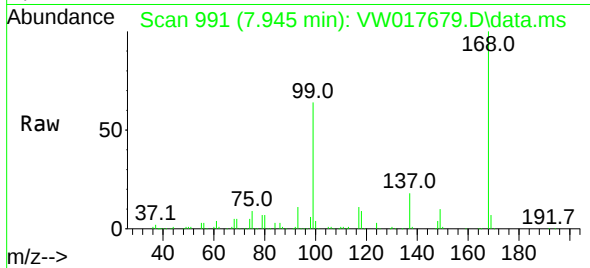




#31
Cyclohexane
Concen: 1.33 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.013 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

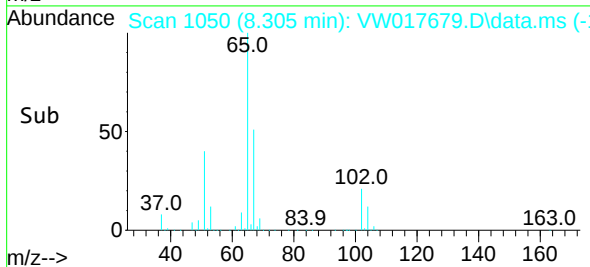
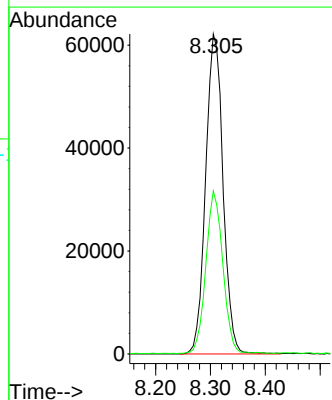
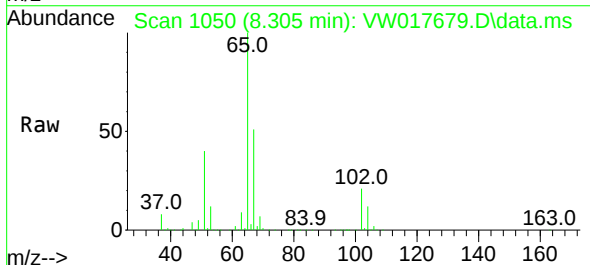
Instrument :
MSVOA_W
ClientSampleId :

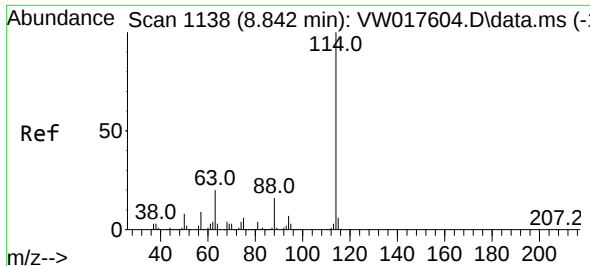
Tgt Ion: 56 Resp: 5949
Ion Ratio Lower Upper
56 100
69 194.0 29.3 43.9#
84 122.4 80.5 120.7#



#33
1,2-Dichloroethane-d4
Concen: 52.71 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

Tgt Ion: 65 Resp: 136759
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.8

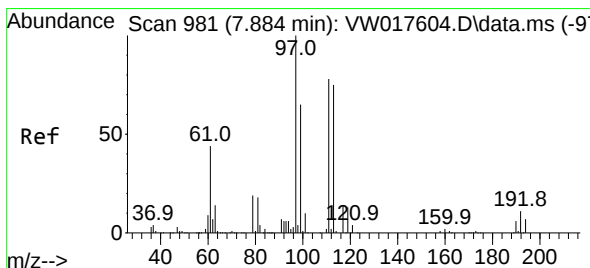
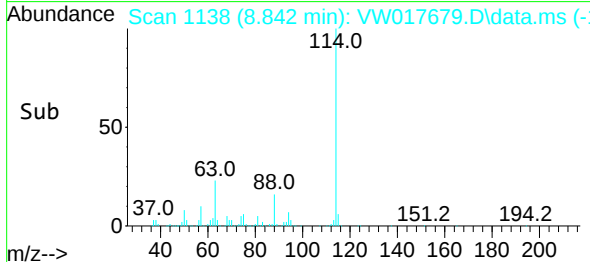
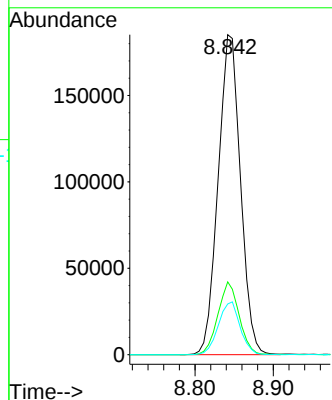
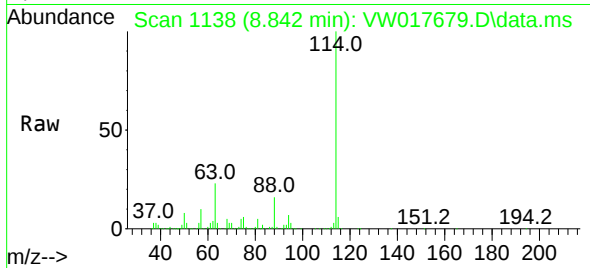




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

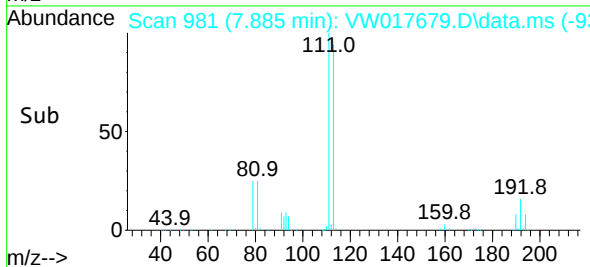
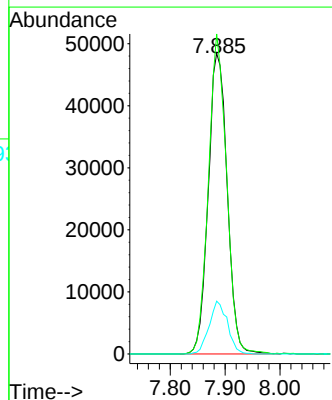
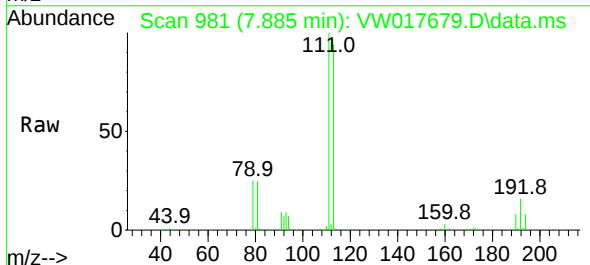
Instrument :
MSVOA_W
ClientSampleId :

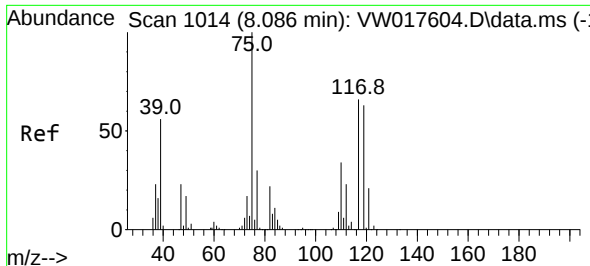
Tgt Ion:114 Resp: 367212
Ion Ratio Lower Upper
114 100
63 22.8 0.0 35.6
88 15.8 0.0 30.4



#35
Dibromofluoromethane
Concen: 47.73 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.001 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

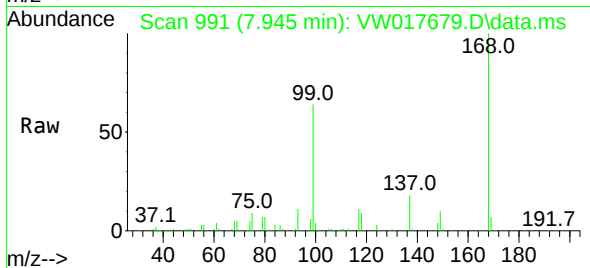
Tgt Ion:113 Resp: 115988
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.2
192 17.0 17.8 26.8#



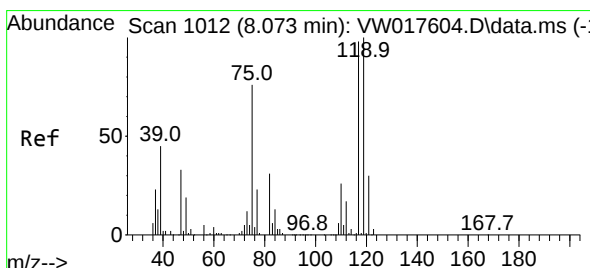
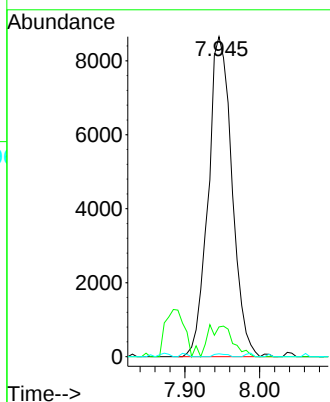
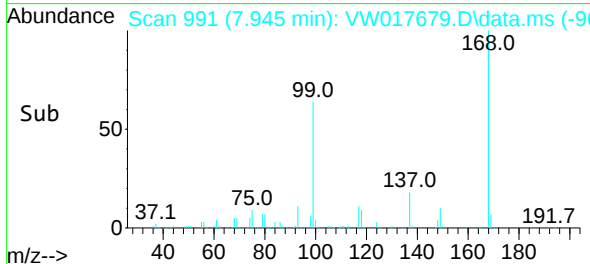


#36
 1,1-Dichloropropene
 Concen: 4.99 ug/l
 RT: 7.945 min Scan# 991
 Delta R.T. -0.141 min
 Lab File: VW017679.D
 Acq: 18 Dec 2020 16:27

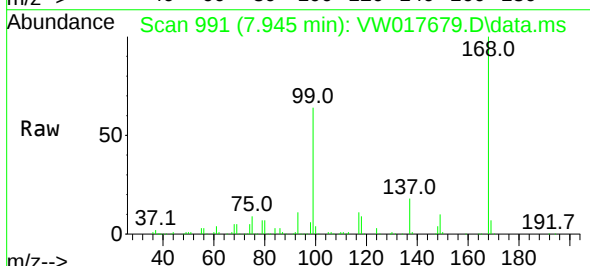
Instrument :
 MSVOA_W
 ClientSampleId :



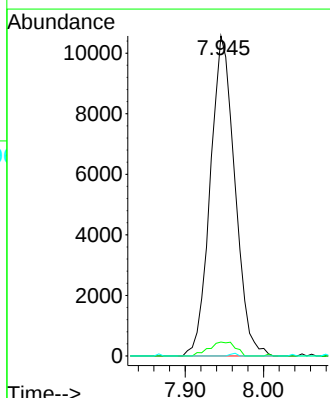
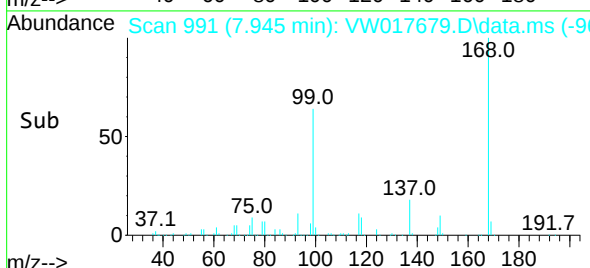
Tgt Ion: 75 Resp: 19172
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.3 57.9#
 77 0.5 25.0 37.6#

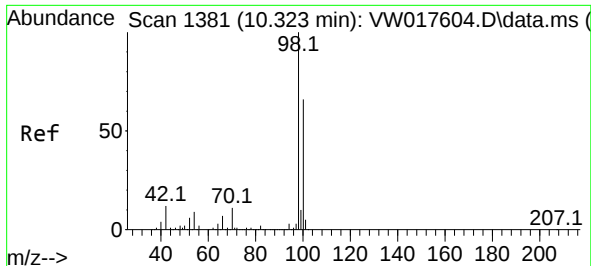


#38
 Carbon Tetrachloride
 Concen: 5.97 ug/l
 RT: 7.945 min Scan# 991
 Delta R.T. -0.128 min
 Lab File: VW017679.D
 Acq: 18 Dec 2020 16:27



Tgt Ion: 117 Resp: 23052
 Ion Ratio Lower Upper
 117 100
 119 4.3 81.6 122.4#
 121 0.0 25.7 38.5#

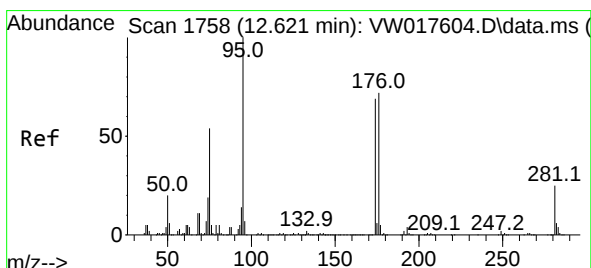
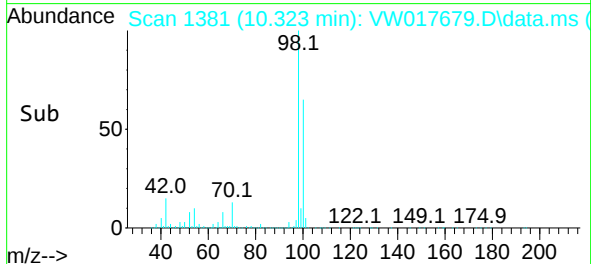
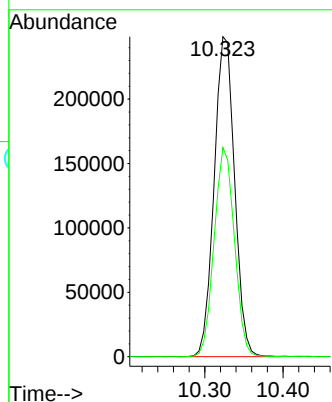
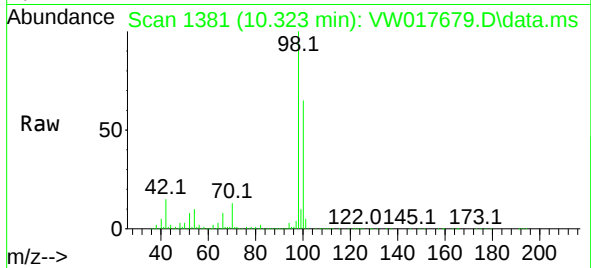




#50
Toluene-d8
Concen: 47.74 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

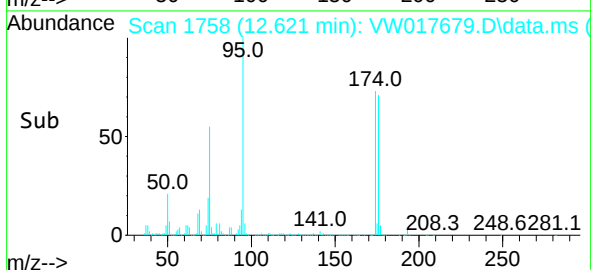
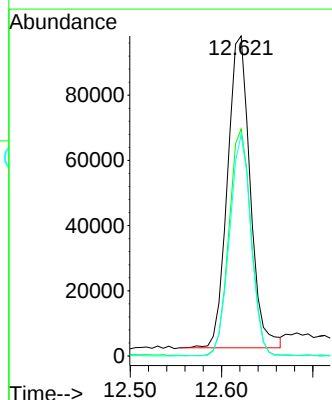
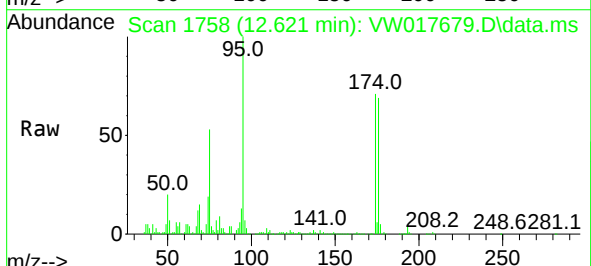
Instrument :
MSVOA_W
ClientSampleId :

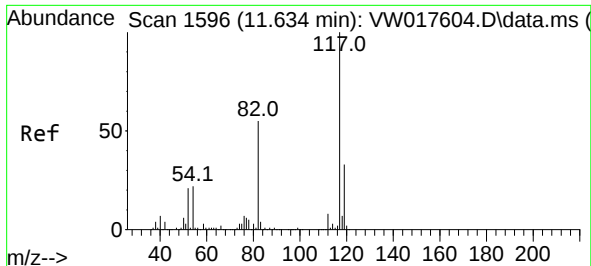
Tgt Ion: 98 Resp: 451675
Ion Ratio Lower Upper
98 100
100 64.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 48.81 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

Tgt Ion: 95 Resp: 164882
Ion Ratio Lower Upper
95 100
174 70.3 0.0 180.6
176 67.5 0.0 177.6

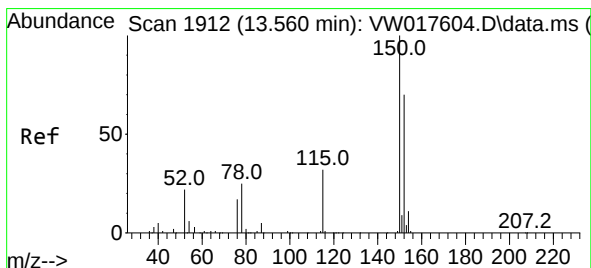
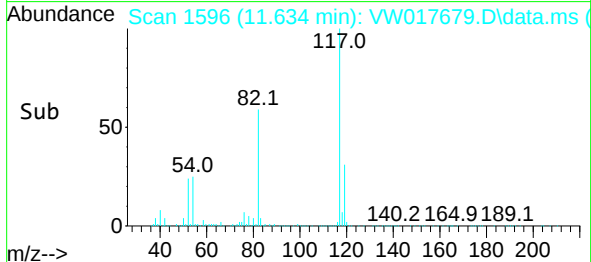
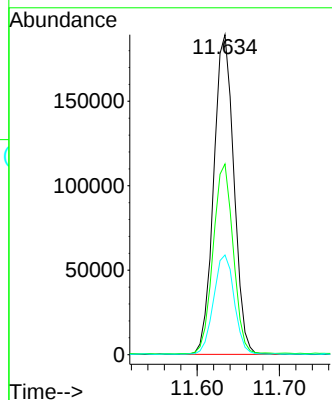
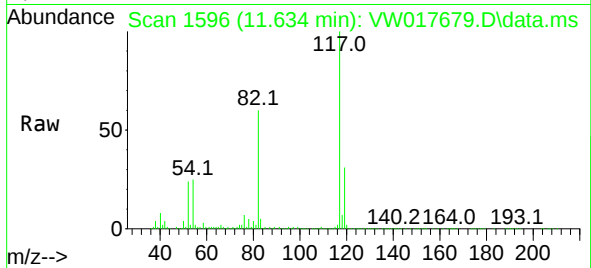




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

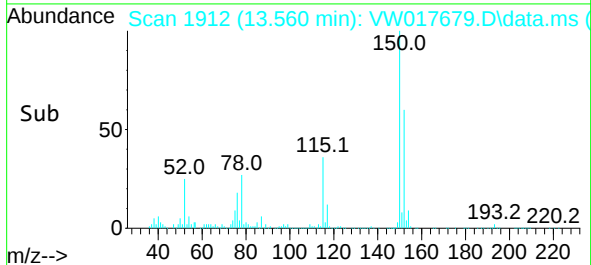
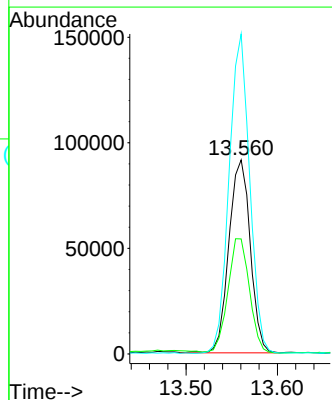
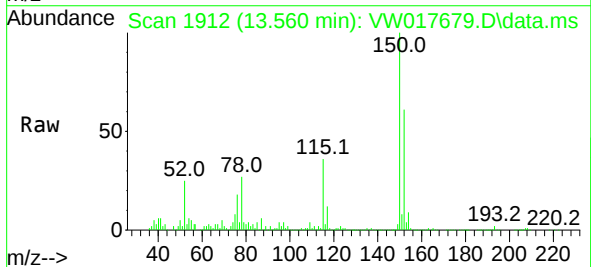
Instrument :
MSVOA_W
ClientSampleId :

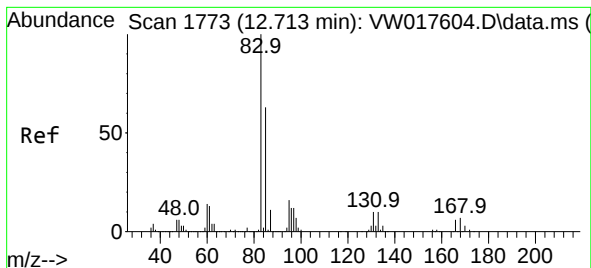
Tgt Ion:117 Resp: 322381
Ion Ratio Lower Upper
117 100
82 59.3 40.7 61.1
119 31.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

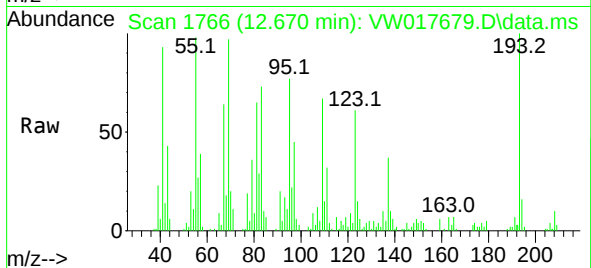
Tgt Ion:152 Resp: 148466
Ion Ratio Lower Upper
152 100
115 59.8 27.9 83.7
150 159.0 0.0 344.0



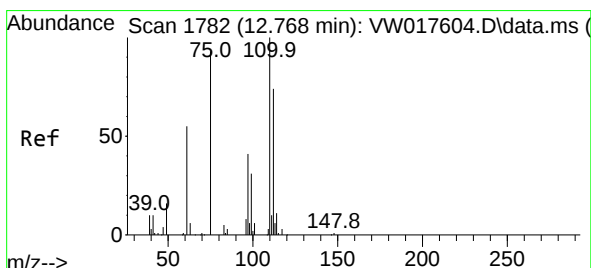
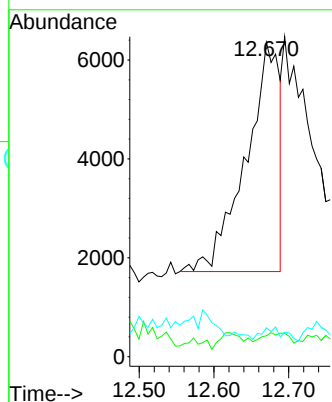
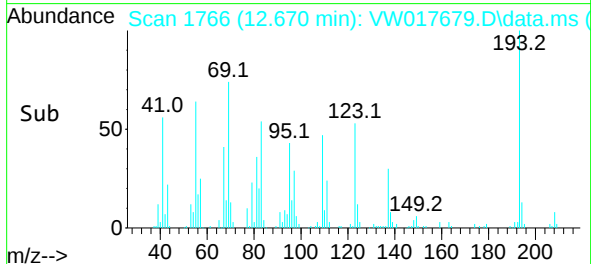


#75
1,1,2,2-Tetrachloroethane
Concen: 7.38 ug/l
RT: 12.670 min Scan# 1766
Delta R.T. -0.043 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

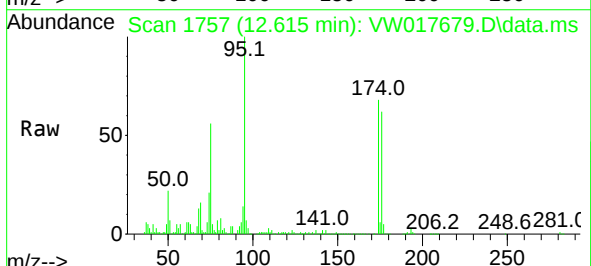
Instrument :
MSVOA_W
ClientSampleId :



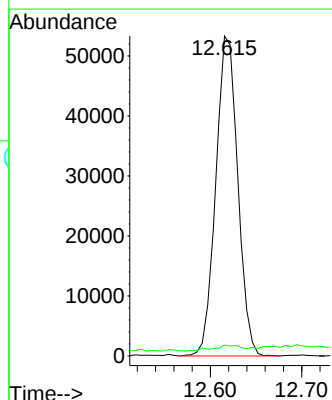
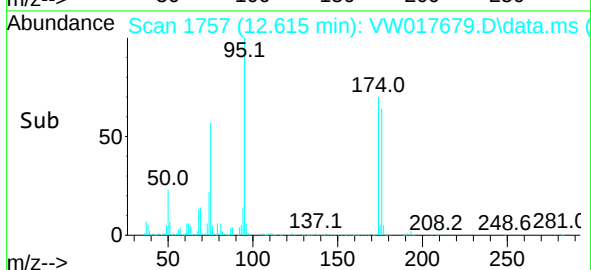
Tgt Ion: 83 Resp: 14456
Ion Ratio Lower Upper
83 100
131 3.2 6.1 18.3#
85 3.9 32.7 98.1#

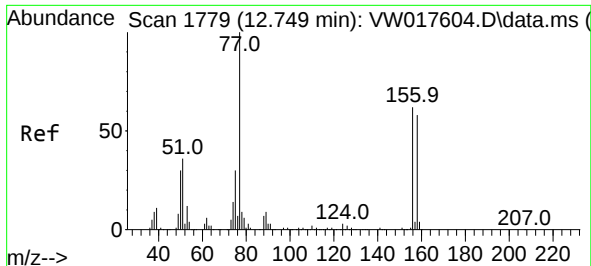


#76
1,2,3-Trichloropropane
Concen: 62.42 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27



Tgt Ion: 75 Resp: 89203
Ion Ratio Lower Upper
75 100
77 2.4 178.8 536.3#

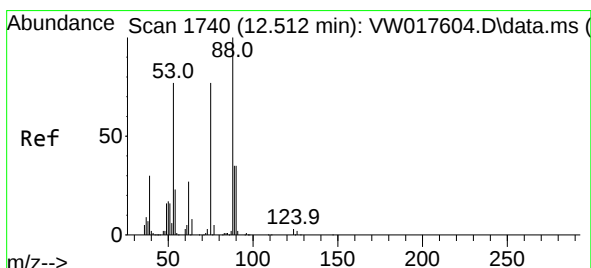
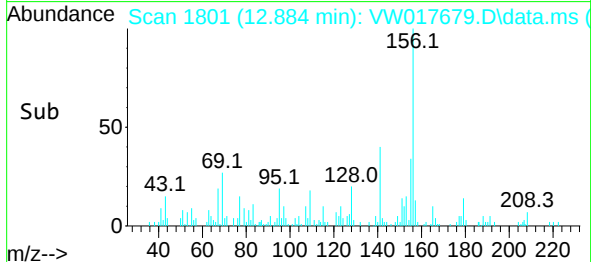
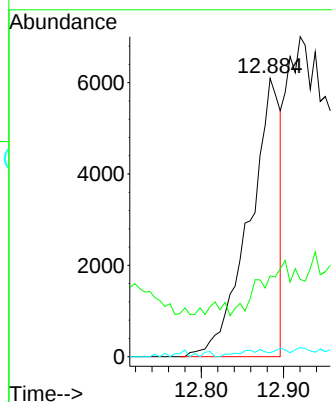
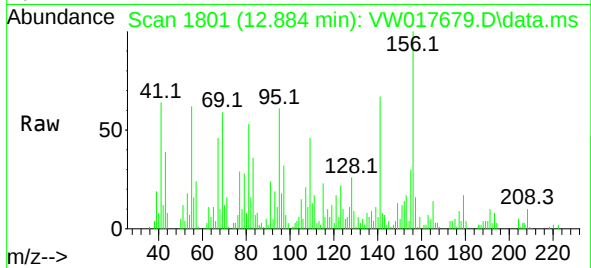




#77
Bromobenzene
Concen: 6.34 ug/l
RT: 12.884 min Scan# 1801
Delta R.T. 0.135 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:156 Resp: 15948
Ion Ratio Lower Upper
156 100
77 8.0 79.0 237.2#
158 1.3 47.0 141.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.46 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW017679.D
Acq: 18 Dec 2020 16:27

Tgt Ion: 75 Resp: 89203
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.4#
89 0.2 38.7 58.1#

