

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
 Data File : VW017631.D
 Acq On : 15 Dec 2020 14:03
 Operator : SY/VA
 Sample : L5010-05
 Misc : 2.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 16 02:38:16 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)

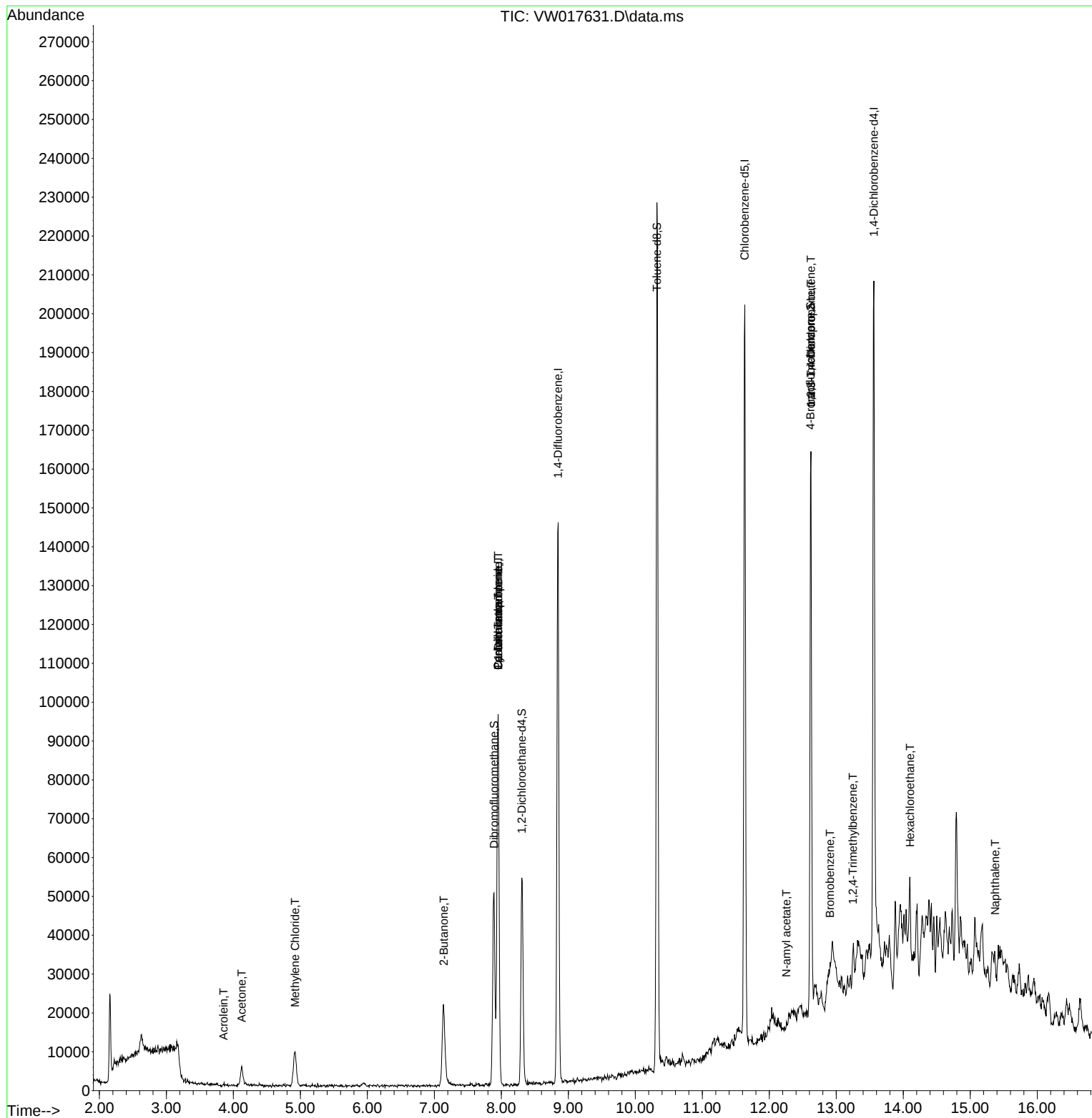
Internal Standards						
1) Pentafluorobenzene	7.952	168	67383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	118175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	102465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	44229	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	42707	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
35) Dibromofluoromethane	7.891	113	34210	43.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.50%	
50) Toluene-d8	10.323	98	144340	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.82%	
62) 4-Bromofluorobenzene	12.615	95	47910	44.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.14%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.172	59	156	Below Cal	#	82
13) Acrolein	3.855	56	87	1.76	ug/l #	62
16) Acetone	4.123	43	8675	48.57	ug/l	92
20) Methylene Chloride	4.922	84	6244	2.90	ug/l #	85
25) 2-Butanone	7.141	43	959	4.03	ug/l #	43
26) 2,2-Dichloropropane	7.135	77	1664	Below Cal	#	50
31) Cyclohexane	7.952	56	1888	1.33	ug/l #	41
36) 1,1-Dichloropropene	7.952	75	6269	5.07	ug/l #	50
38) Carbon Tetrachloride	7.952	117	7572	6.09	ug/l #	14
74) N-amyl acetate	12.256	43	768	1.05	ug/l #	56
76) 1,2,3-Trichloropropane	12.621	75	26162	61.45	ug/l #	1
77) Bromobenzene	12.908	156	5970	7.97	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.621	75	26162	124.50	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.249	105	4397	1.51	ug/l	81
90) Hexachloroethane	14.103	117	1106	1.75	ug/l #	7
95) Naphthalene	15.371	128	3282	1.89	ug/l #	92

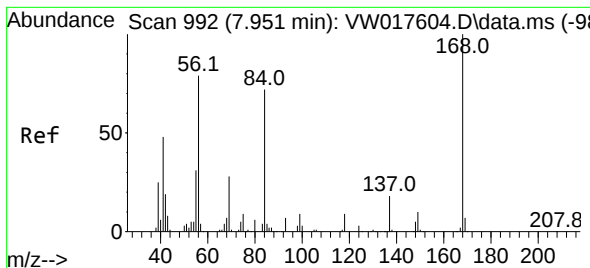
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 02:38:16 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

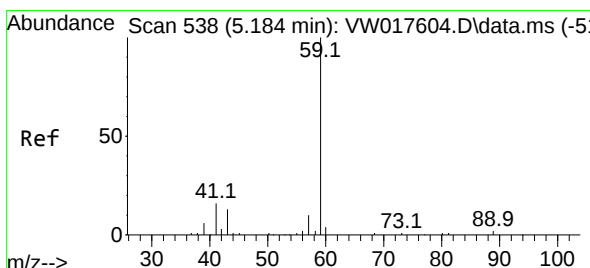
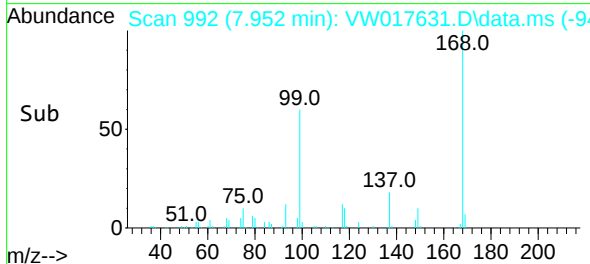
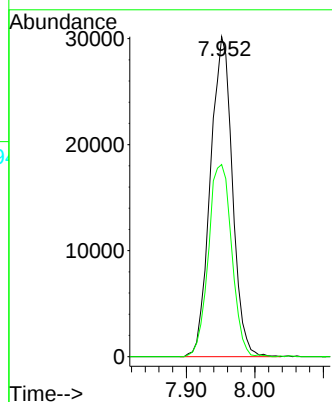
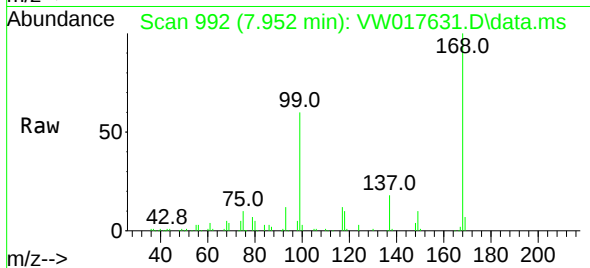




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

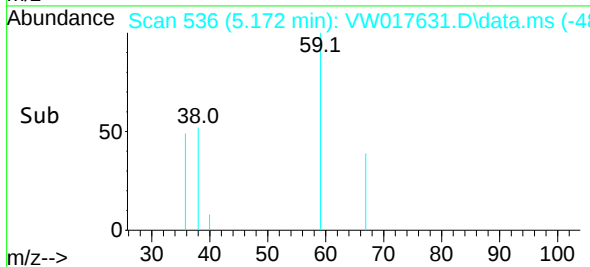
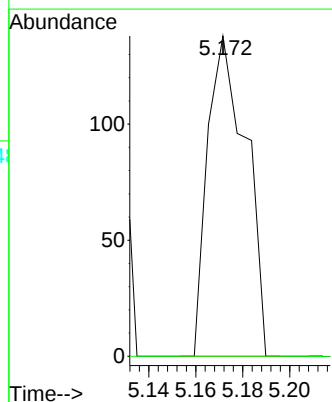
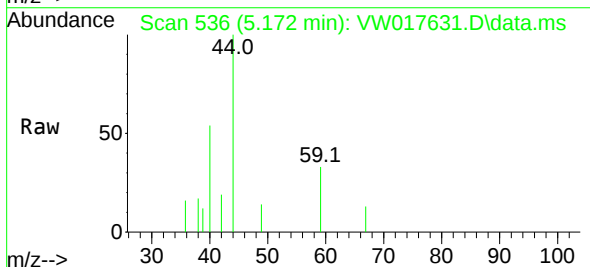
Instrument :
MSVOA_W
ClientSampleId :

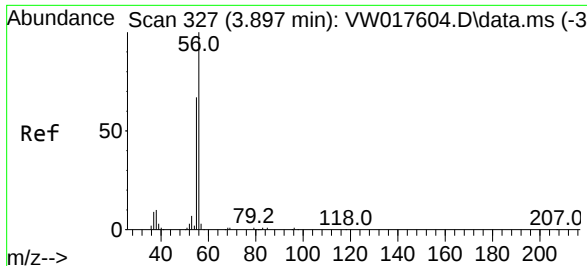
Tgt Ion:168 Resp: 67383
Ion Ratio Lower Upper
168 100
99 60.1 40.7 61.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.172 min Scan# 536
Delta R.T. -0.012 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

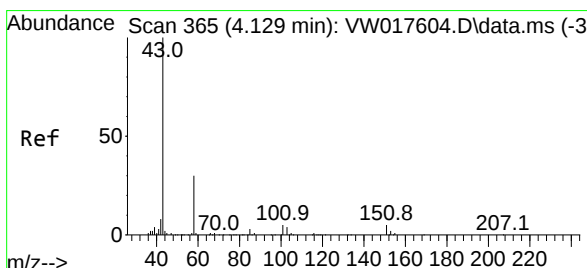
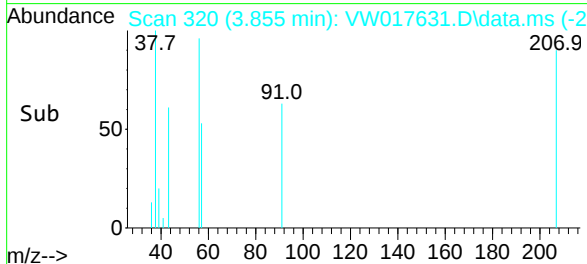
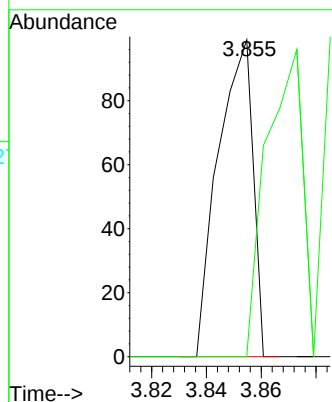
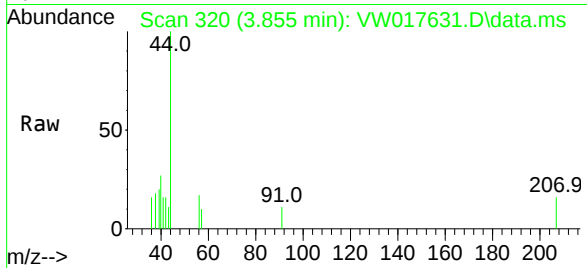




#13
Acrolein
Concen: 1.76 ug/l
RT: 3.855 min Scan# 320
Delta R.T. -0.042 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

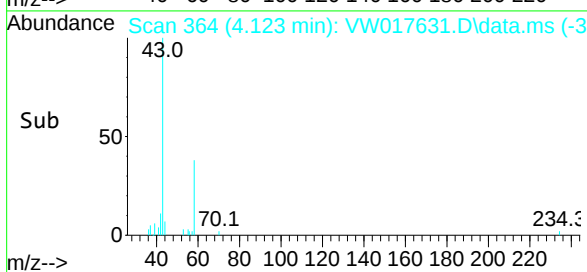
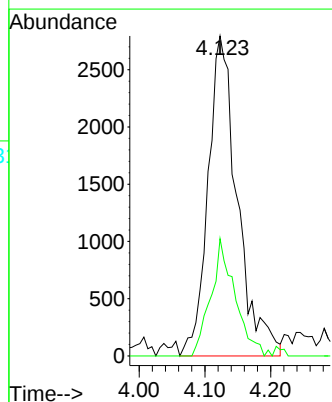
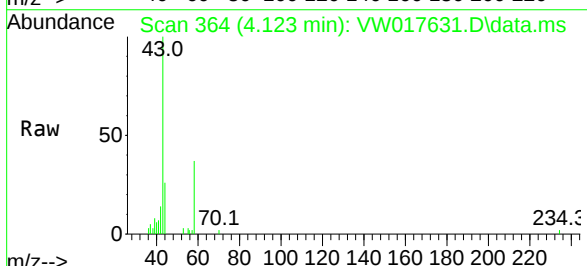
Instrument :
MSVOA_W
ClientSampled :

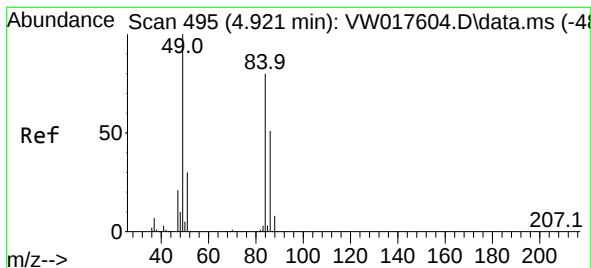
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 101.1 55.9 83.9#



#16
Acetone
Concen: 48.57 ug/l
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

Tgt Ion: 43 Resp: 8675
Ion Ratio Lower Upper
43 100
58 36.7 25.7 38.5





#20

Methylene Chloride

Concen: 2.90 ug/l

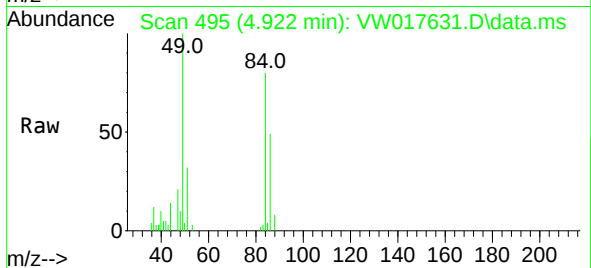
RT: 4.922 min Scan# 495

Delta R.T. 0.001 min

Lab File: VW017631.D

Acq: 15 Dec 2020 14:03

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 6244

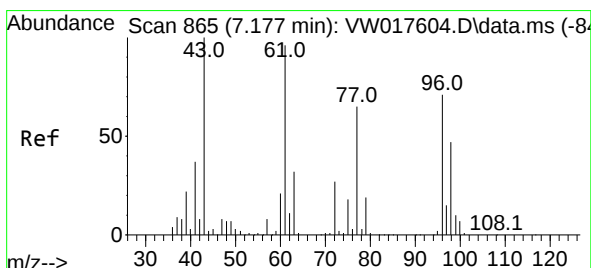
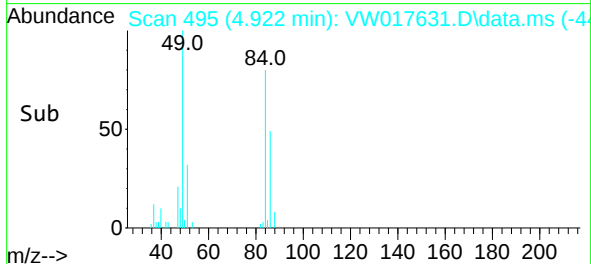
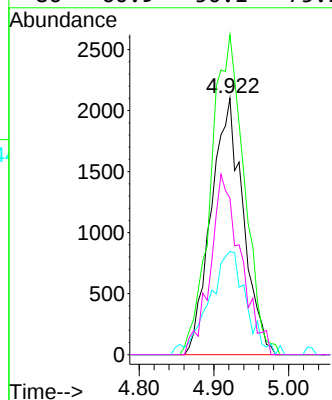
Ion Ratio Lower Upper

84 100

49 124.7 79.0 118.6#

51 36.7 26.1 39.1

86 60.9 50.1 75.1



#25

2-Butanone

Concen: 4.03 ug/l

RT: 7.141 min Scan# 859

Delta R.T. -0.036 min

Lab File: VW017631.D

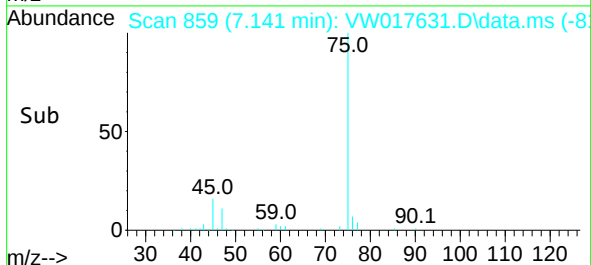
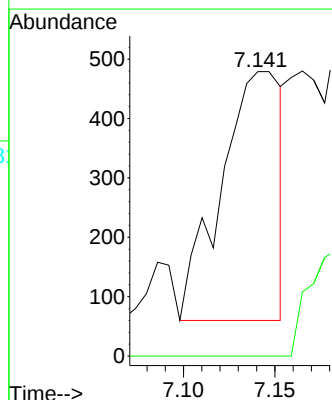
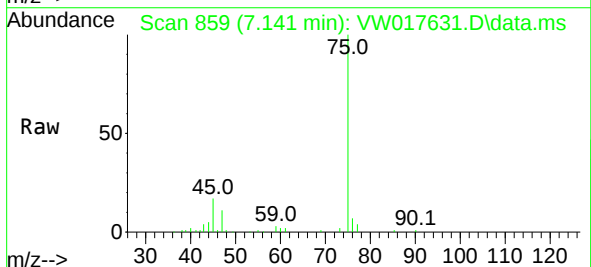
Acq: 15 Dec 2020 14:03

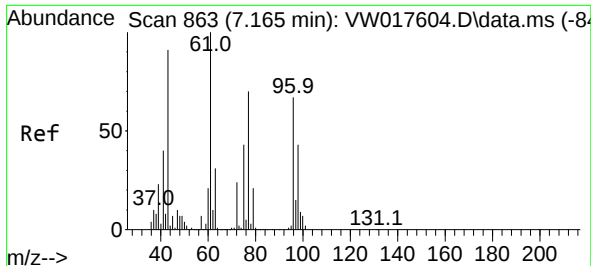
Tgt Ion: 43 Resp: 959

Ion Ratio Lower Upper

43 100

72 0.0 25.4 38.2#

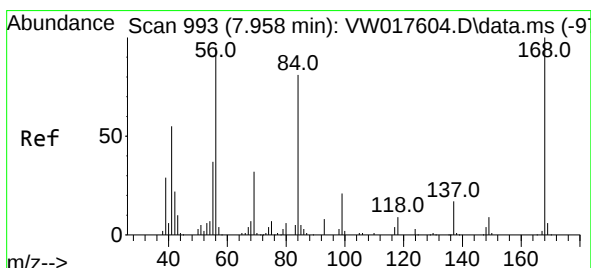
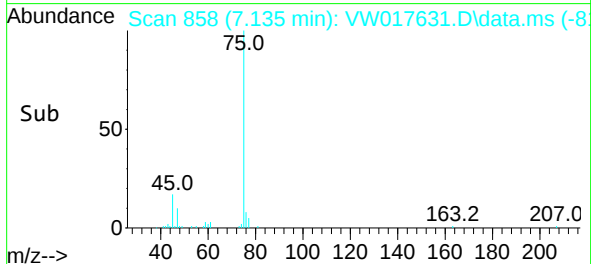
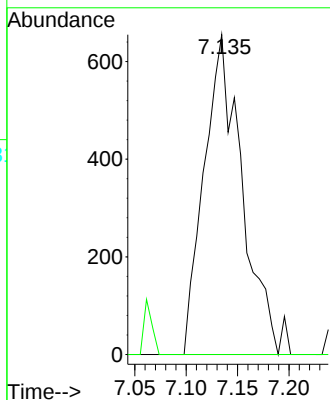
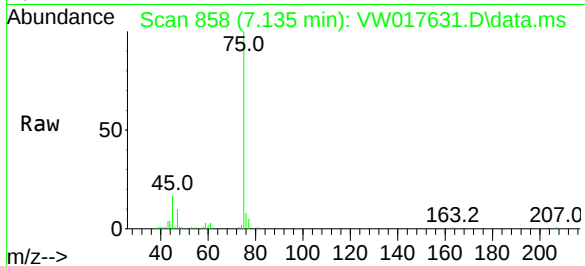




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.135 min Scan# 858
Delta R.T. -0.030 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

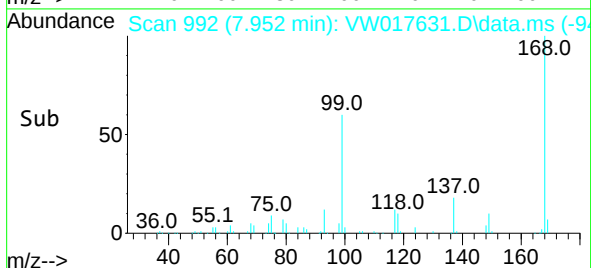
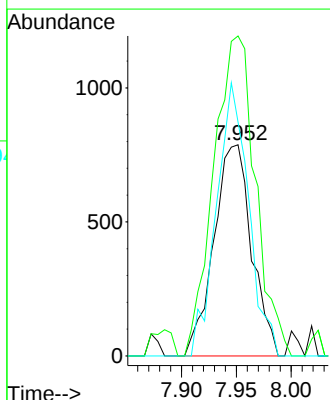
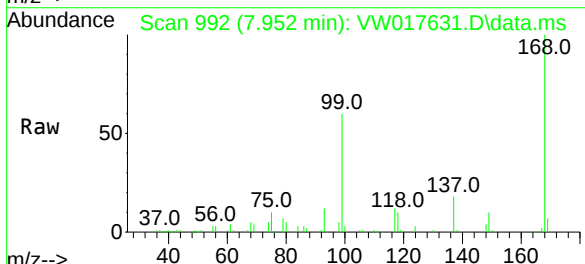
Instrument :
MSVOA_W
ClientSampled :

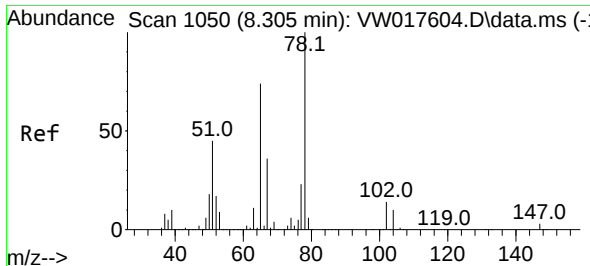
Tgt Ion: 77 Resp: 1664
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#



#31
Cyclohexane
Concen: 1.33 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

Tgt Ion: 56 Resp: 1888
Ion Ratio Lower Upper
56 100
69 151.5 29.3 43.9#
84 110.8 80.5 120.7

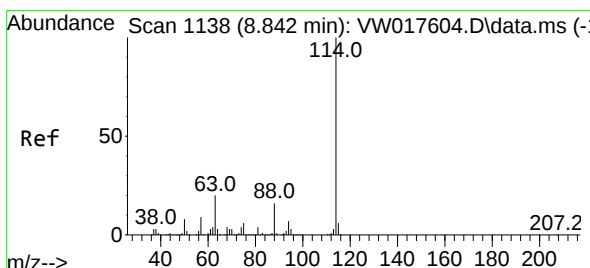
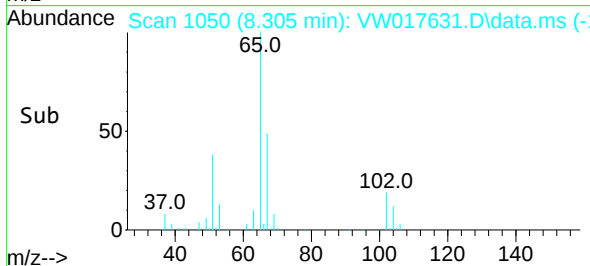
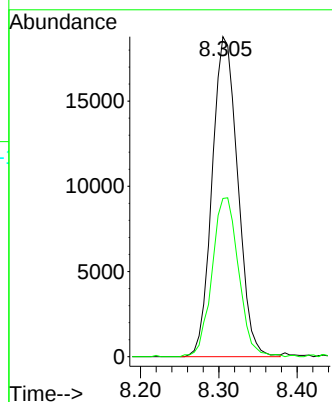
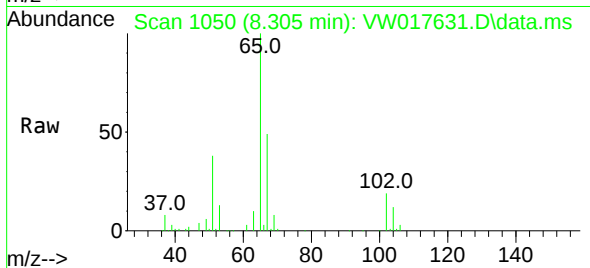




#33
1,2-Dichloroethane-d4
Concen: 52.03 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

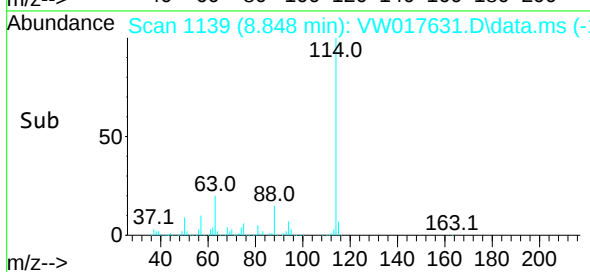
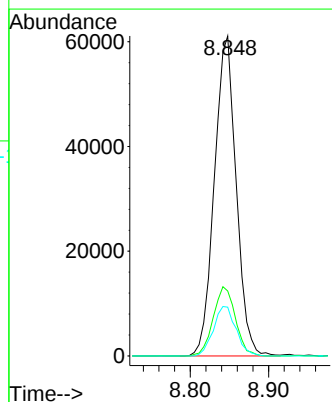
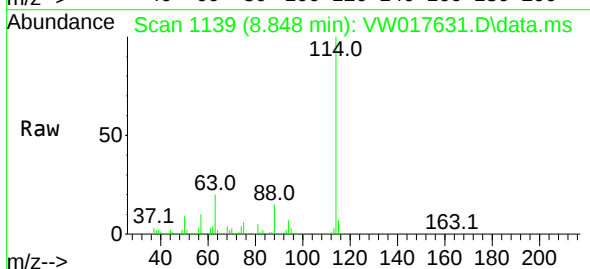
Instrument :
MSVOA_W
ClientSampleId :

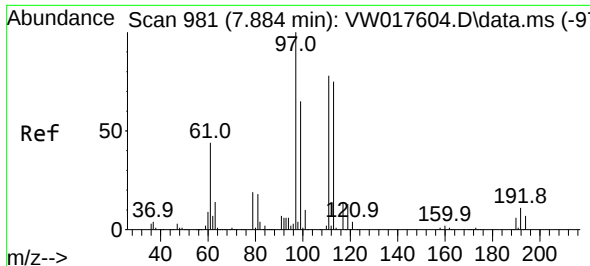
Tgt Ion: 65 Resp: 42707
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.848 min Scan# 1139
Delta R.T. 0.006 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

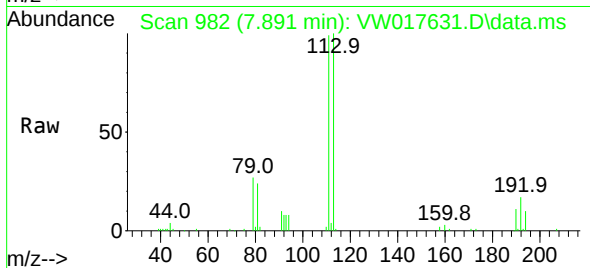
Tgt Ion: 114 Resp: 118175
Ion Ratio Lower Upper
114 100
63 20.3 0.0 35.6
88 15.2 0.0 30.4



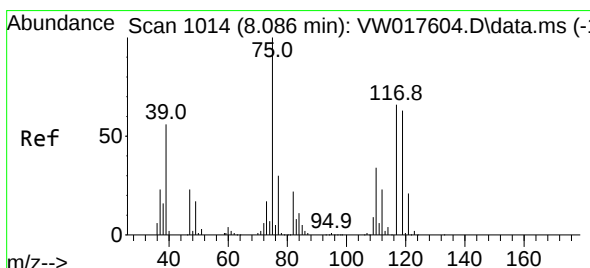
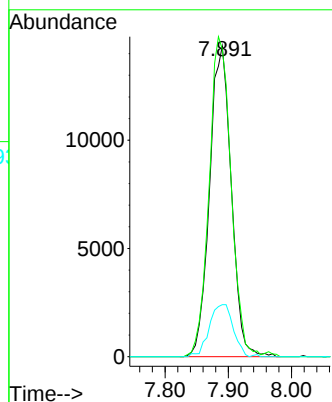
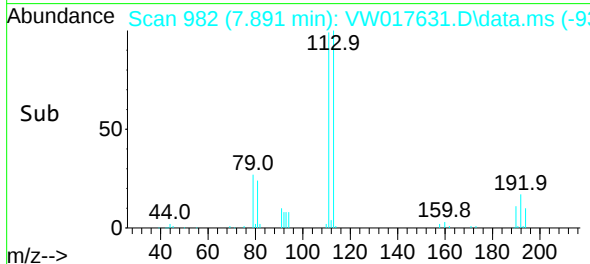


#35
Dibromofluoromethane
Concen: 43.75 ug/l
RT: 7.891 min Scan# 982
Delta R.T. 0.007 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

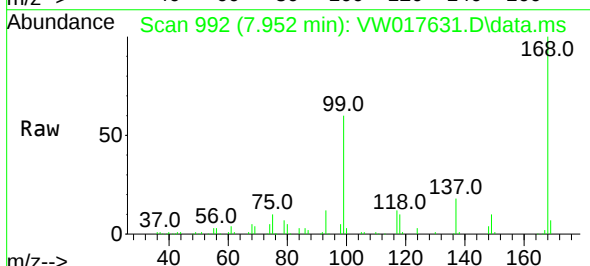
Instrument :
MSVOA_W
ClientSampleId :



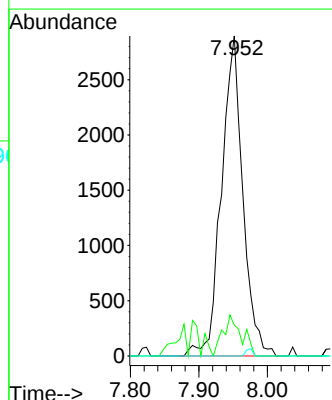
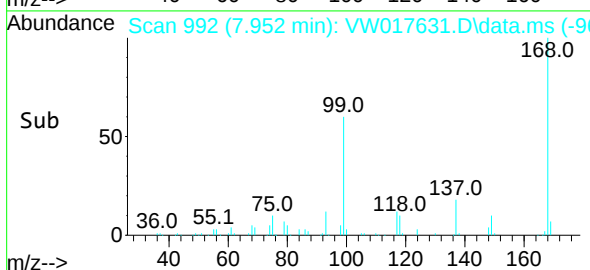
Tgt Ion:113 Resp: 34210
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.2
192 18.4 17.8 26.8

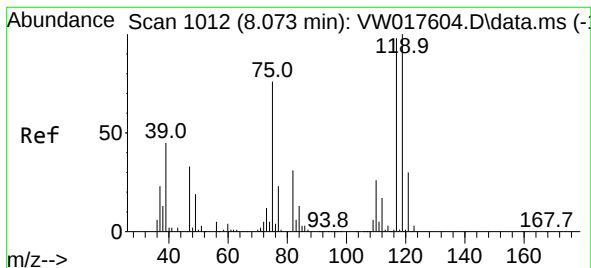


#36
1,1-Dichloropropene
Concen: 5.07 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.134 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03



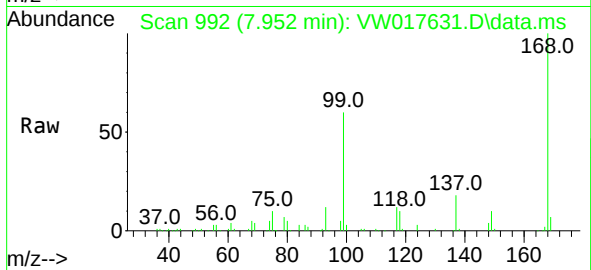
Tgt Ion: 75 Resp: 6269
Ion Ratio Lower Upper
75 100
110 11.1 19.3 57.9#
77 0.0 25.0 37.6#



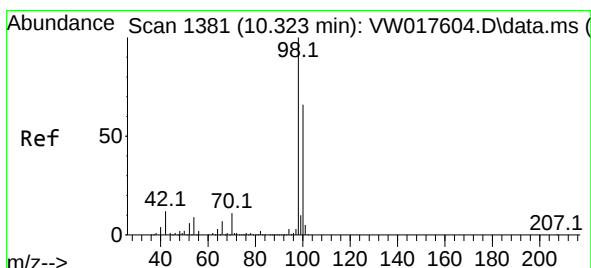
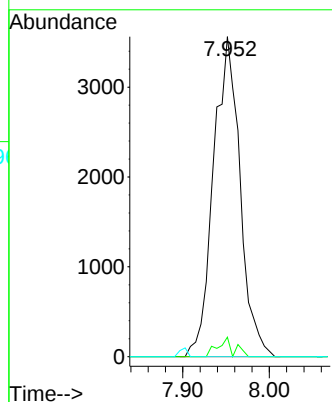
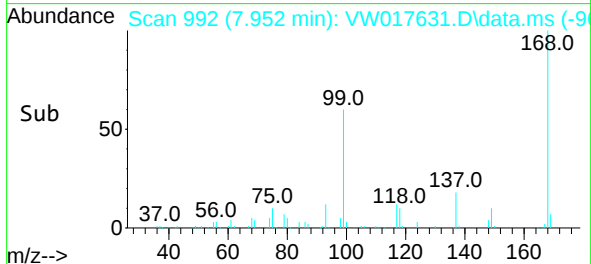


#38
Carbon Tetrachloride
Concen: 6.09 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.121 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

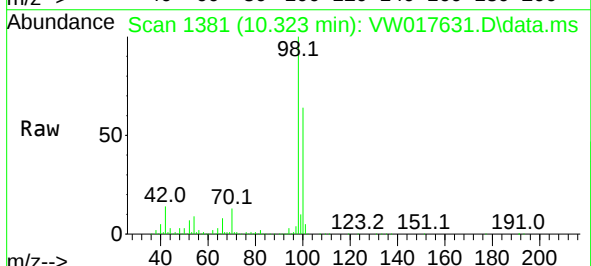
Instrument :
MSVOA_W
ClientSampleId :



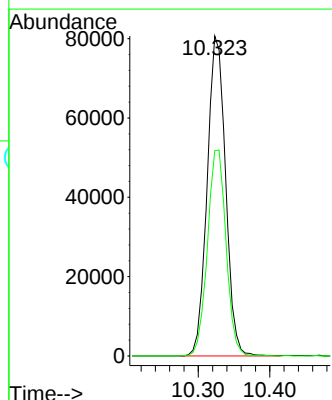
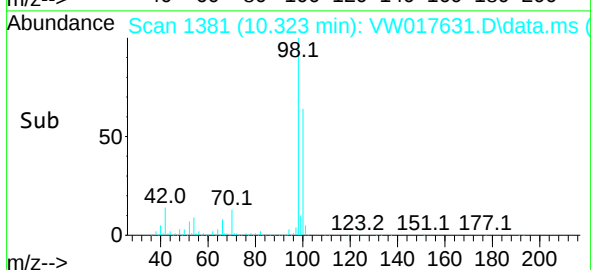
Tgt Ion:117 Resp: 7572
Ion Ratio Lower Upper
117 100
119 6.1 81.6 122.4#
121 0.0 25.7 38.5#

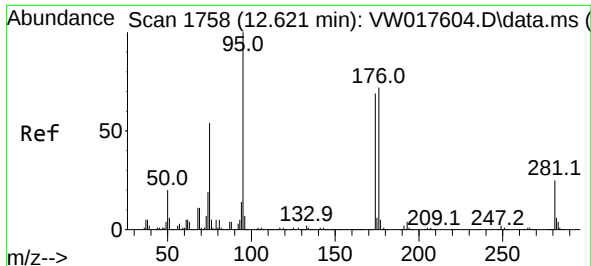


#50
Toluene-d8
Concen: 47.41 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03



Tgt Ion: 98 Resp: 144340
Ion Ratio Lower Upper
98 100
100 65.1 53.3 79.9

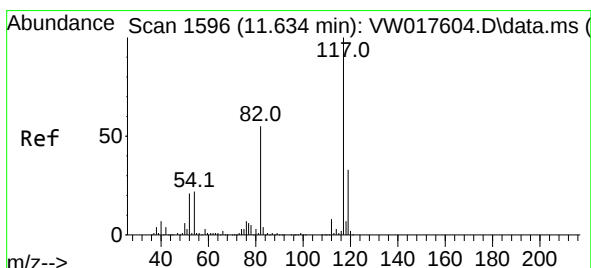
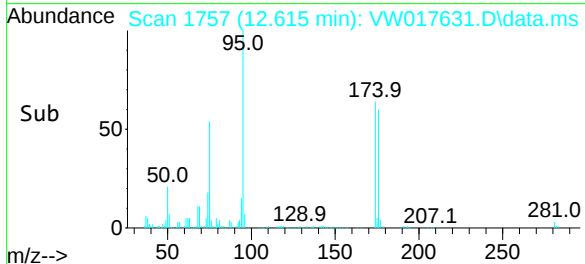
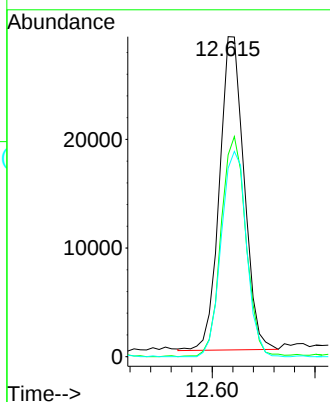
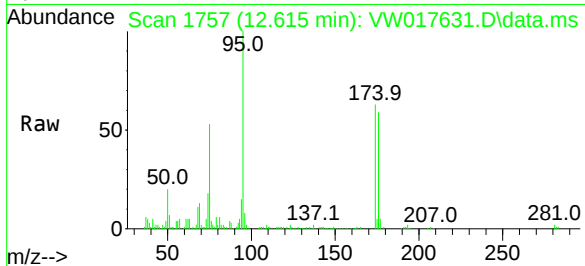




#62
4-Bromofluorobenzene
Concen: 44.07 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.006 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

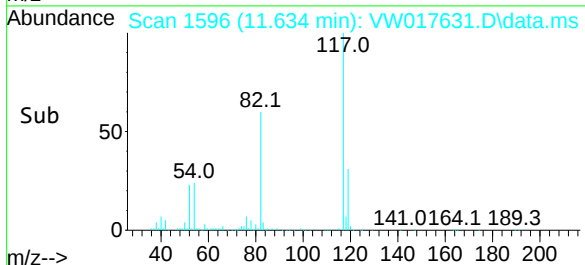
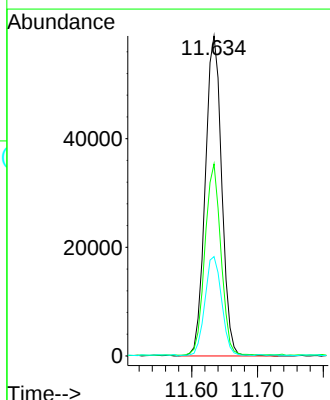
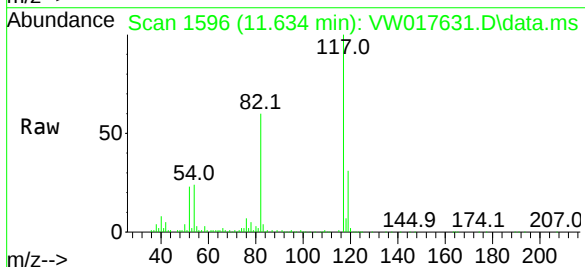
Instrument :
MSVOA_W
ClientSampleId :

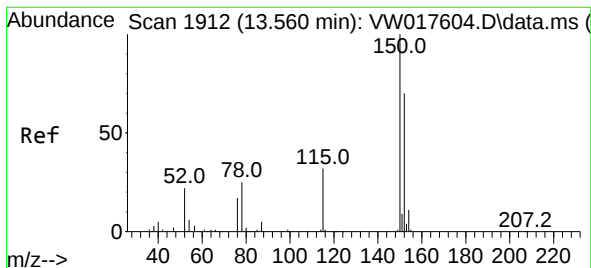
Tgt Ion: 95 Resp: 47910
Ion Ratio Lower Upper
95 100
174 71.2 0.0 180.6
176 67.3 0.0 177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

Tgt Ion:117 Resp: 102465
Ion Ratio Lower Upper
117 100
82 59.7 40.7 61.1
119 31.0 25.0 37.4

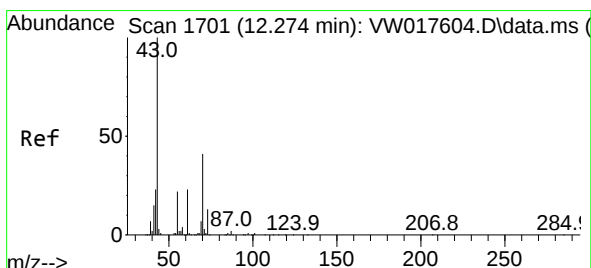
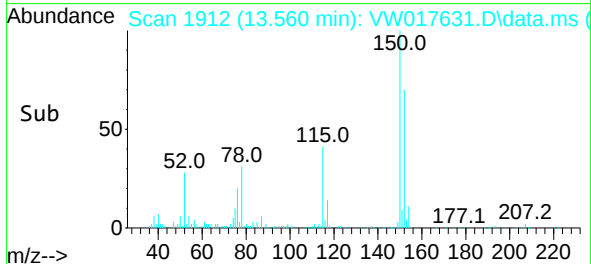
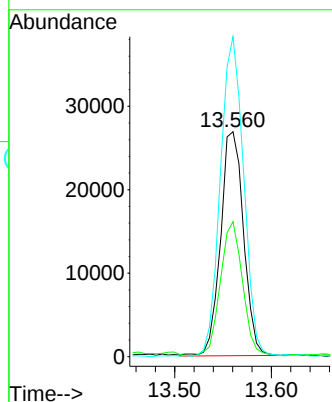
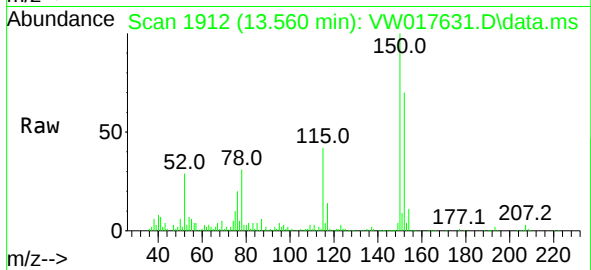




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

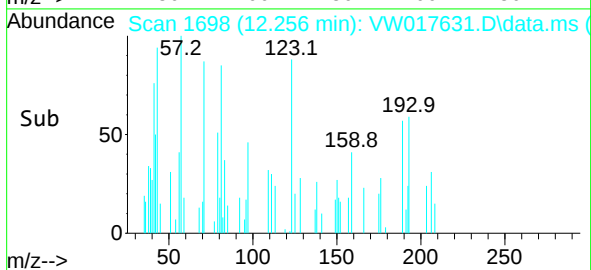
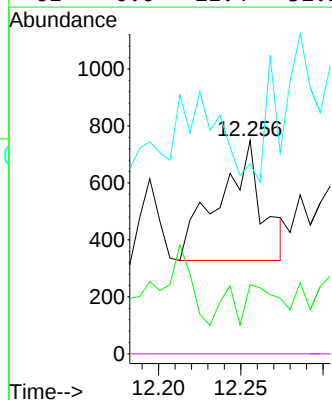
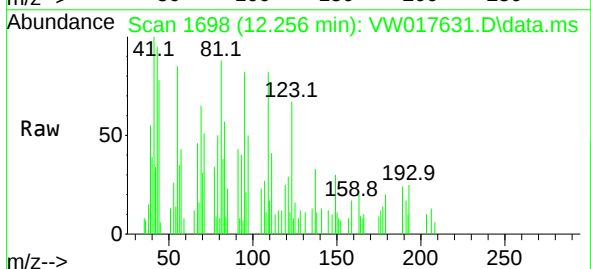
Instrument :
MSVOA_W
ClientSampleId :

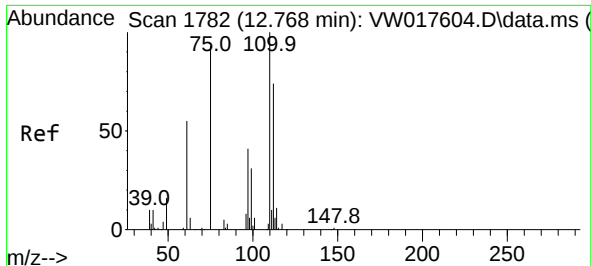
Tgt Ion:152 Resp: 44229
Ion Ratio Lower Upper
152 100
115 57.8 27.9 83.7
150 144.2 0.0 344.0



#74
N-ethyl acetate
Concen: 1.05 ug/l
RT: 12.256 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
70 25.1 40.2 60.4#
55 0.0 21.4 32.0#
61 0.0 21.4 32.2#

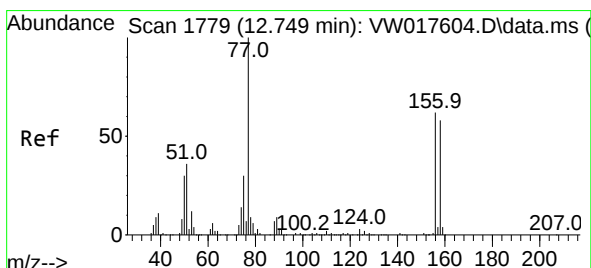
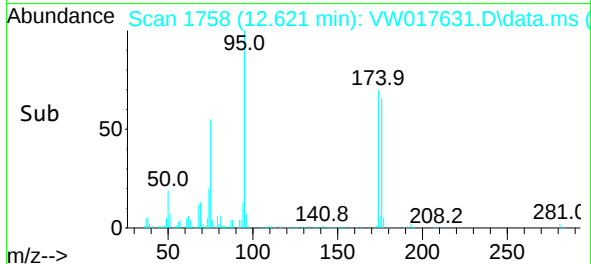
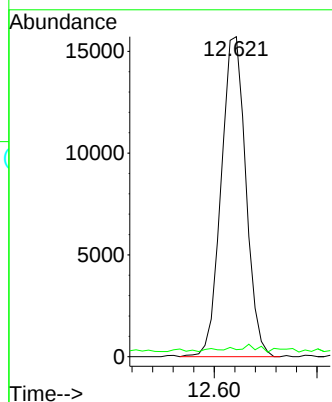
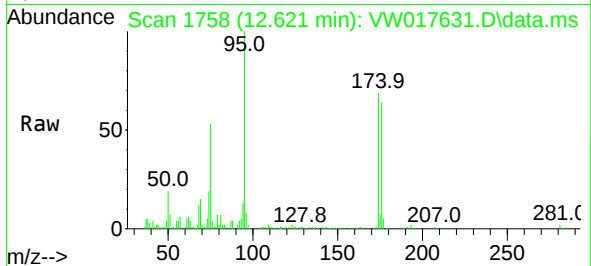




#76
1,2,3-Trichloropropane
Concen: 61.45 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

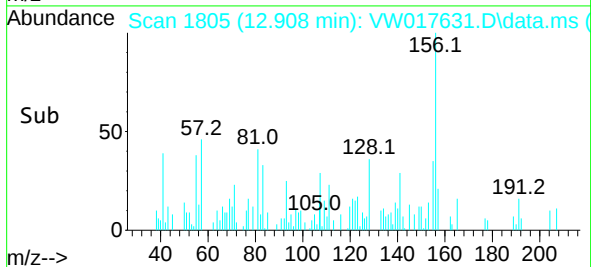
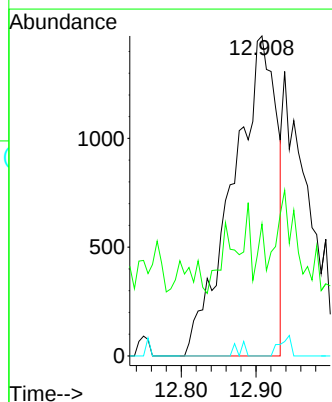
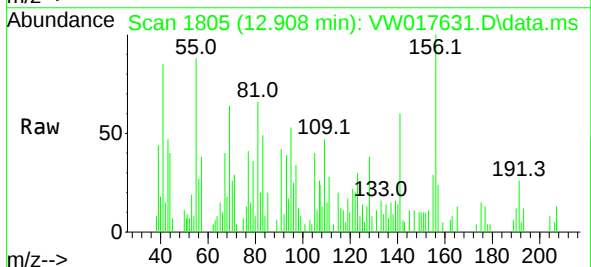
Instrument :
MSVOA_W
ClientSampleId :

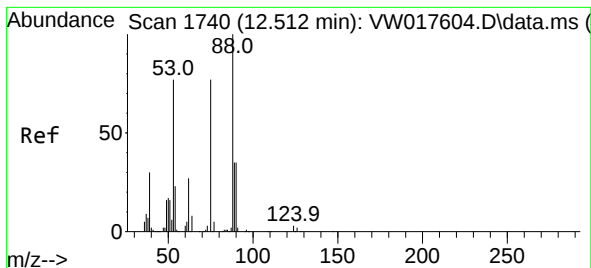
Tgt Ion: 75 Resp: 26162
Ion Ratio Lower Upper
75 100
77 1.9 178.8 536.3#



#77
Bromobenzene
Concen: 7.97 ug/l
RT: 12.908 min Scan# 1805
Delta R.T. 0.159 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

Tgt Ion: 156 Resp: 5970
Ion Ratio Lower Upper
156 100
77 2.0 79.0 237.2#
158 0.0 47.0 141.2#

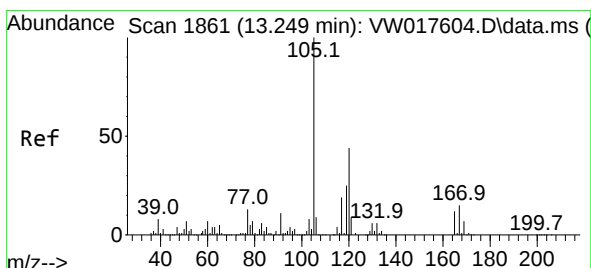
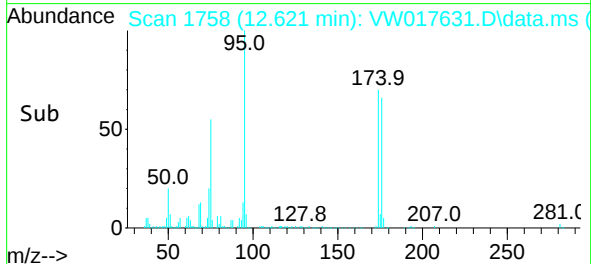
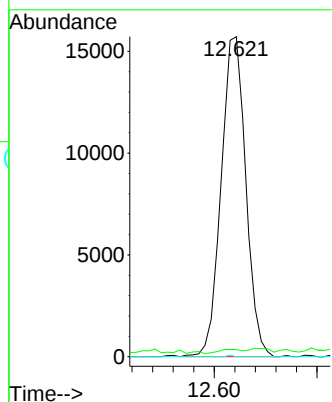
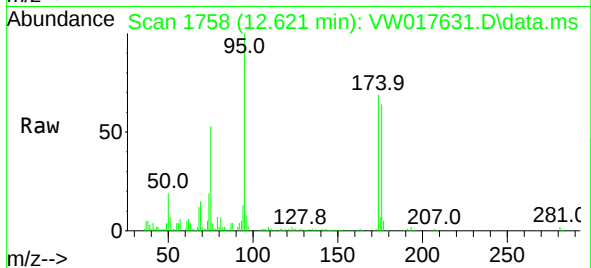




#81
trans-1,4-Dichloro-2-butene
Concen: 124.50 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.109 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

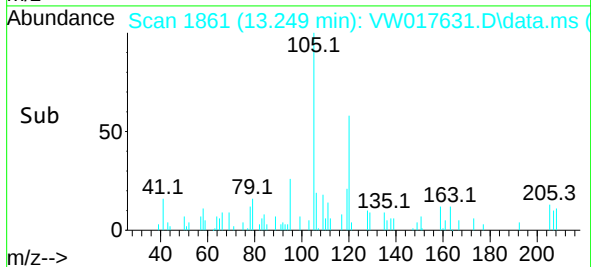
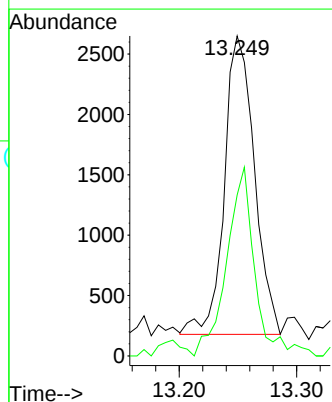
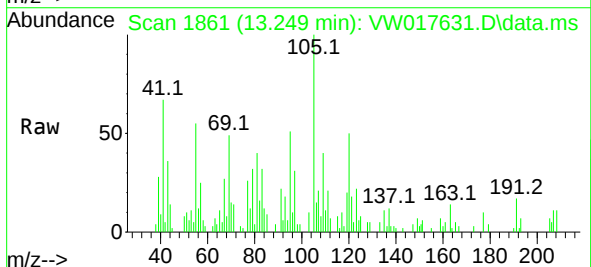
Instrument :
MSVOA_W
ClientSampleId :

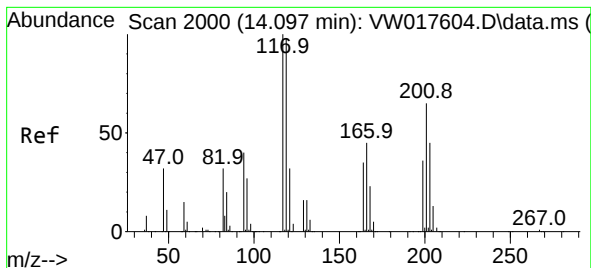
Tgt Ion: 75 Resp: 26162
Ion Ratio Lower Upper
75 100
53 1.3 77.0 115.4#
89 0.1 38.7 58.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.51 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

Tgt Ion:105 Resp: 4397
Ion Ratio Lower Upper
105 100
120 59.3 23.4 70.0

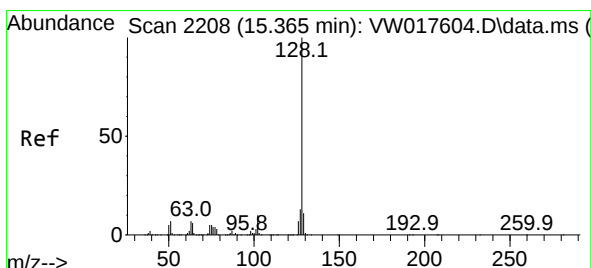
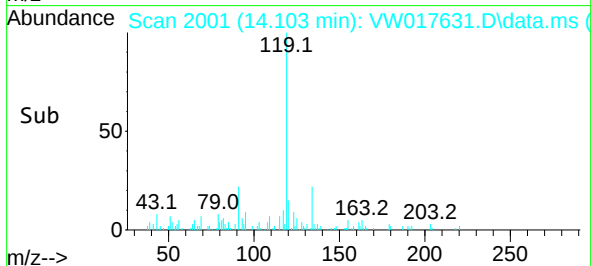
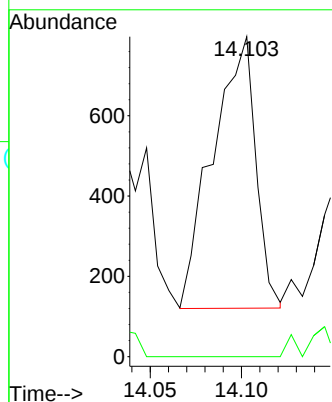
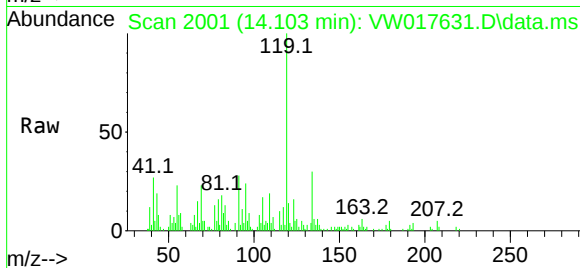




#90
Hexachloroethane
Concen: 1.75 ug/l
RT: 14.103 min Scan# 2001
Delta R.T. 0.006 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:117 Resp: 1106
Ion Ratio Lower Upper
117 100
201 0.0 41.9 125.7#



#95
Naphthalene
Concen: 1.89 ug/l
RT: 15.371 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VW017631.D
Acq: 15 Dec 2020 14:03

Tgt Ion:128 Resp: 3282
Ion Ratio Lower Upper
128 100
127 16.3 10.4 15.6#
129 7.5 8.6 12.8#

