

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121620\
 Data File : VW017654.D
 Acq On : 16 Dec 2020 11:25
 Operator : SY/VA
 Sample : L5037-03RE
 Misc : 4.54G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 05:05:57 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)

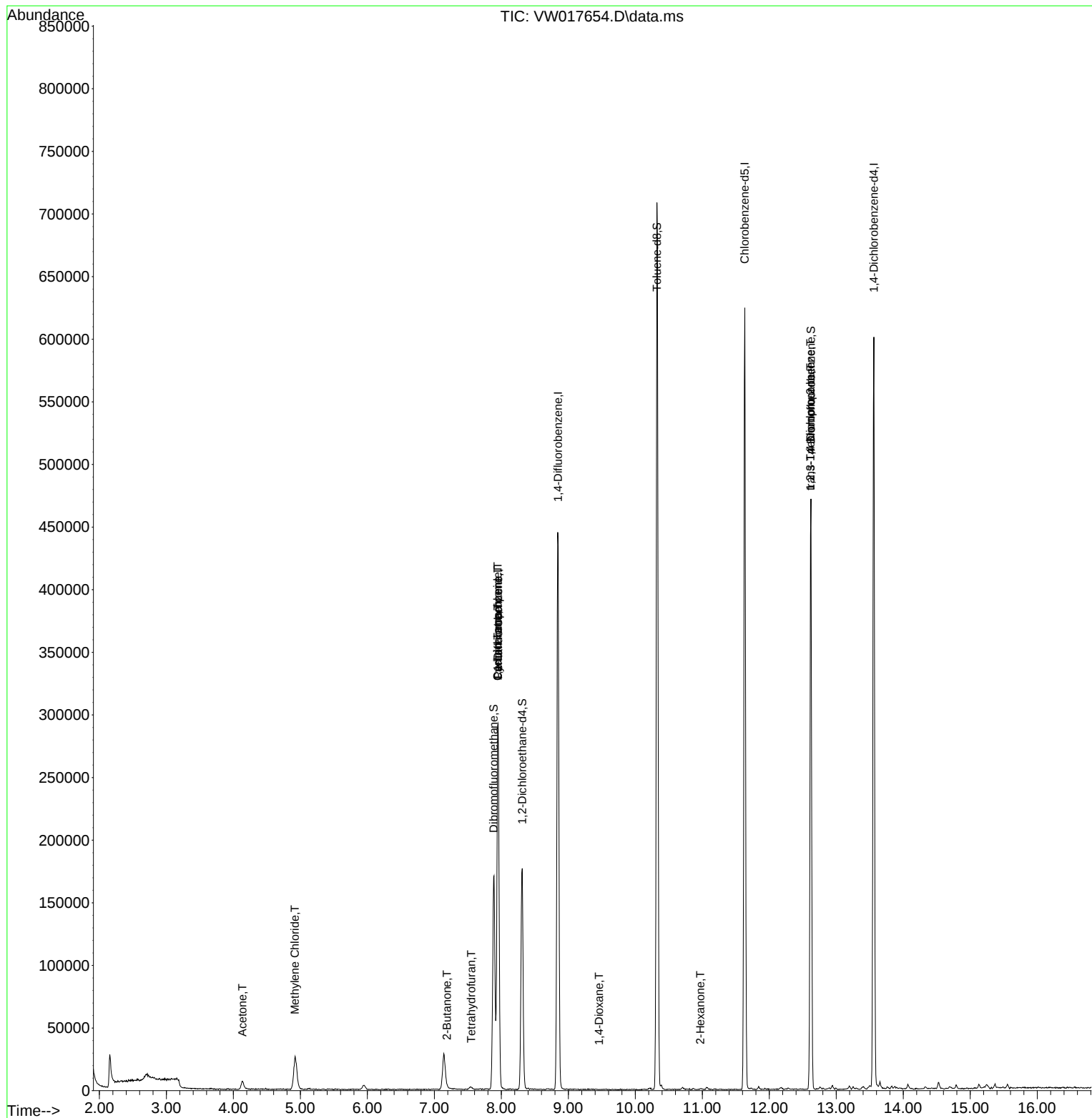
Internal Standards						
1) Pentafluorobenzene	7.952	168	211750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	367446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	326842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	144552	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	141245	54.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.52%	
35) Dibromofluoromethane	7.884	113	116814	48.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.08%	
50) Toluene-d8	10.323	98	461852	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.621	95	149978	44.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.74%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.184	59	210	Below Cal	#	82
16) Acetone	4.135	43	12507	22.28	ug/l	99
20) Methylene Chloride	4.915	84	19690	2.93	ug/l #	86
25) 2-Butanone	7.189	43	1470	1.97	ug/l #	79
26) 2,2-Dichloropropane	7.135	77	2052	Below Cal	#	50
29) Tetrahydrofuran	7.549	42	1820	4.33	ug/l #	89
31) Cyclohexane	7.945	56	5852	1.31	ug/l #	27
36) 1,1-Dichloropropene	7.945	75	19213	4.99	ug/l #	49
38) Carbon Tetrachloride	7.945	117	22021	5.70	ug/l #	14
49) 1,4-Dioxane	9.457	88	19	1.09	ug/l #	16
59) 2-Hexanone	10.969	43	1029	1.02	ug/l	74
76) 1,2,3-Trichloropropane	12.615	75	86643	62.27	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.615	75	86643	126.16	ug/l #	11

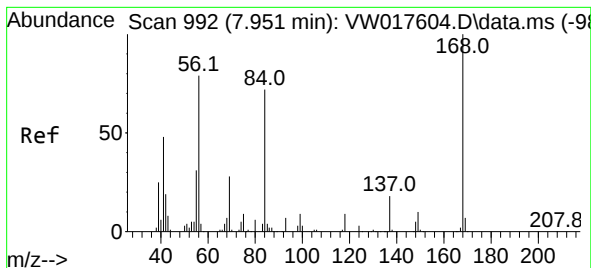
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 17 05:05:57 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
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Response via : Initial Calibration

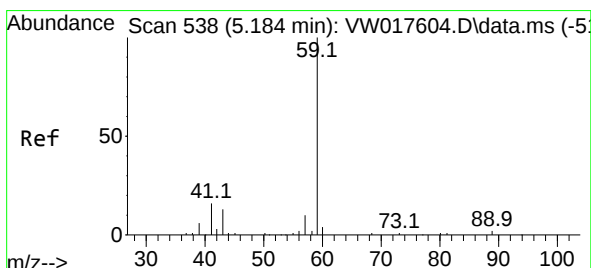
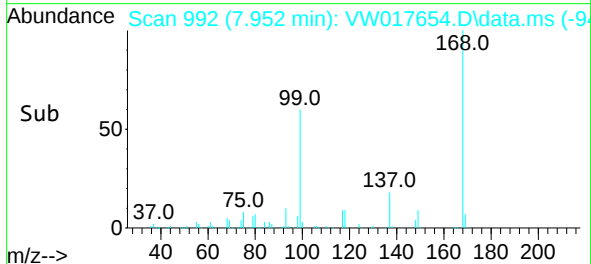
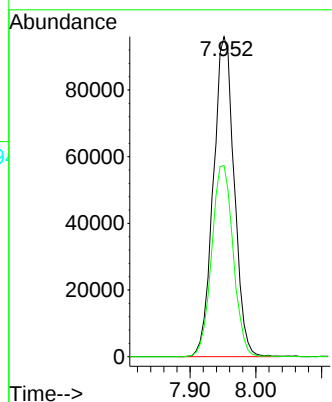
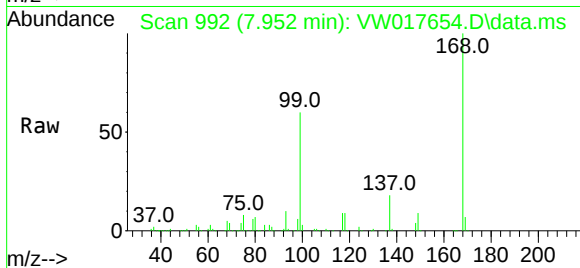




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

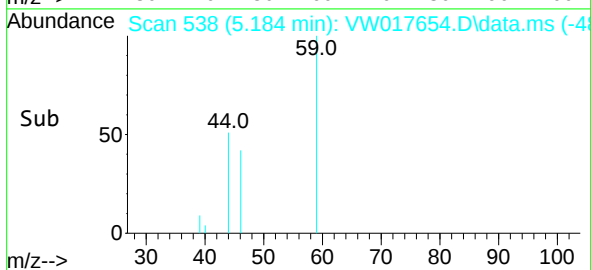
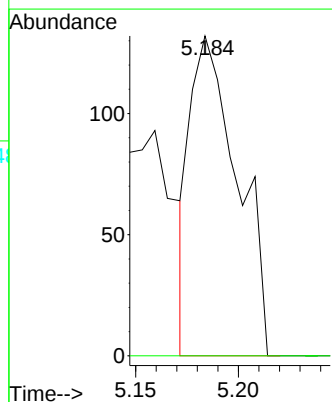
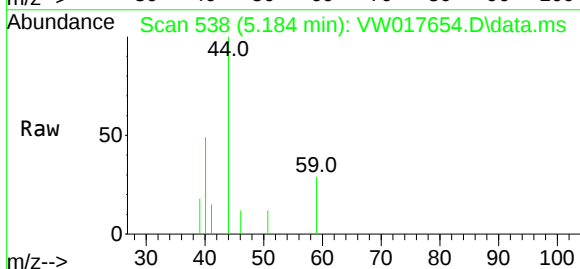
Instrument :
MSVOA_W
ClientSampleId :

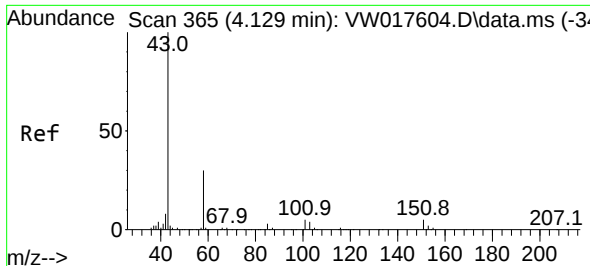
Tgt Ion:168 Resp: 211750
Ion Ratio Lower Upper
168 100
99 59.8 40.7 61.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.184 min Scan# 538
Delta R.T. -0.000 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

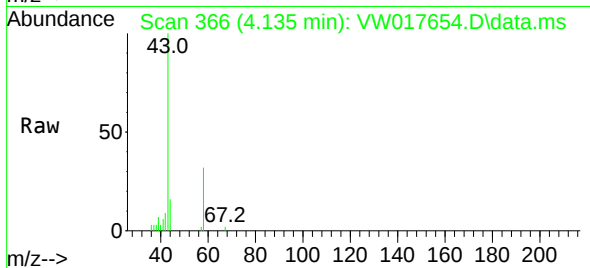
Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#



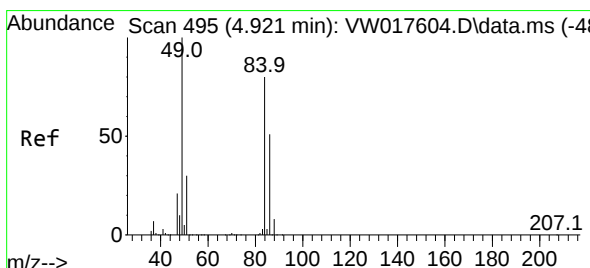
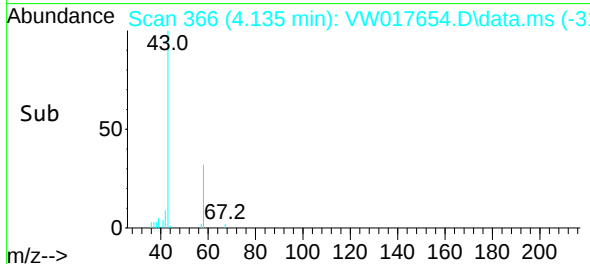
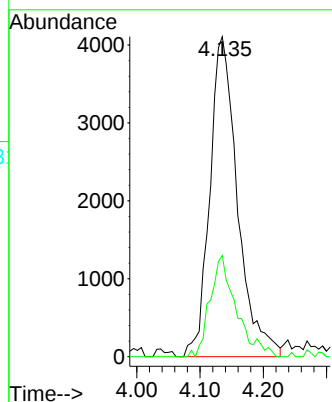


#16
Acetone
Concen: 22.28 ug/l
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

Instrument :
MSVOA_W
ClientSampled :

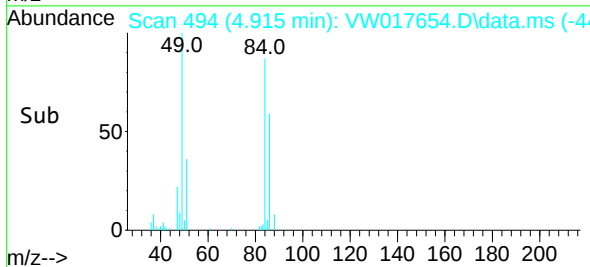
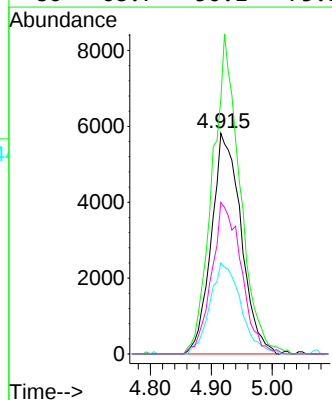
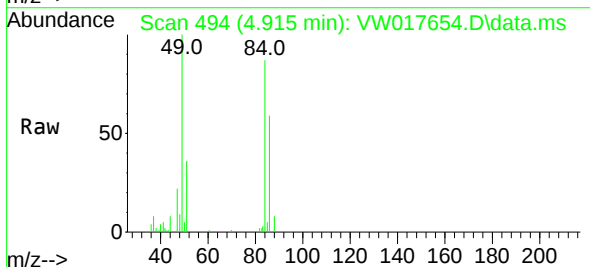


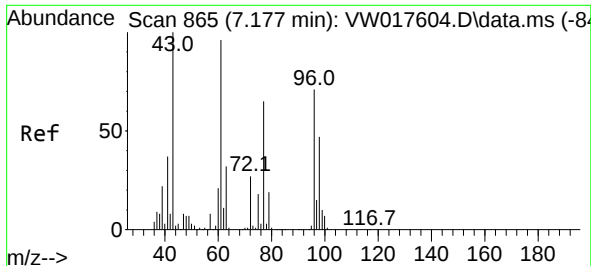
Tgt Ion: 43 Resp: 12507
Ion Ratio Lower Upper
43 100
58 31.6 25.7 38.5



#20
Methylene Chloride
Concen: 2.93 ug/l
RT: 4.915 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

Tgt Ion: 84 Resp: 19690
Ion Ratio Lower Upper
84 100
49 115.5 79.0 118.6
51 41.2 26.1 39.1#
86 68.7 50.1 75.1

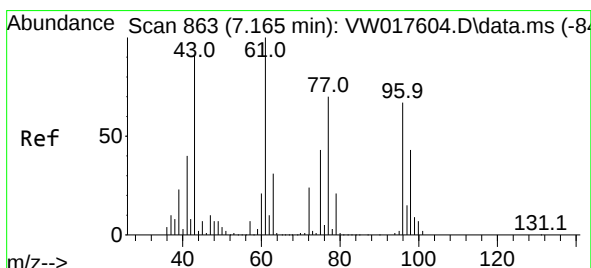
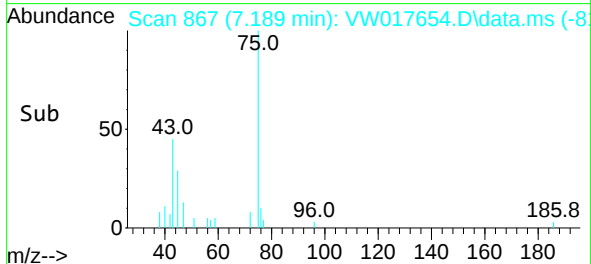
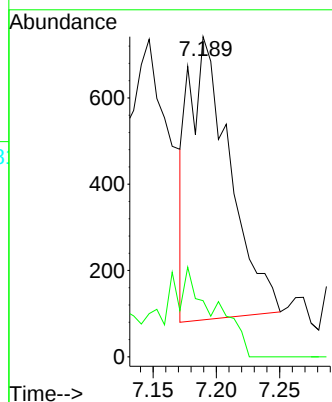
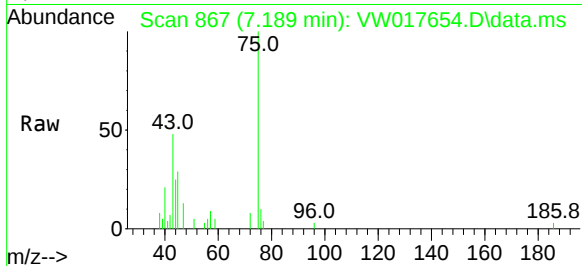




#25
2-Butanone
Concen: 1.97 ug/l
RT: 7.189 min Scan# 867
Delta R.T. 0.012 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

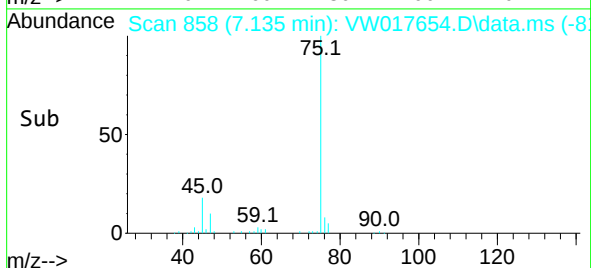
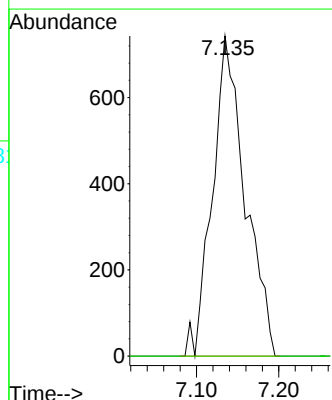
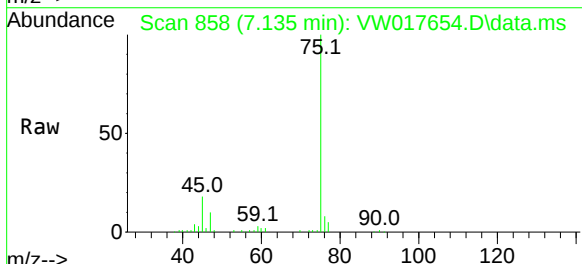
Instrument :
MSVOA_W
ClientSampled :

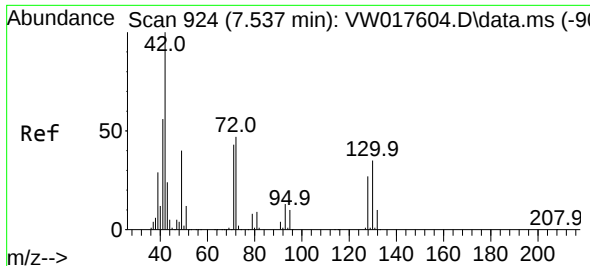
Tgt Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
72 20.4 25.4 38.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.135 min Scan# 858
Delta R.T. -0.030 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

Tgt Ion: 77 Resp: 2052
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 4.33 ug/l

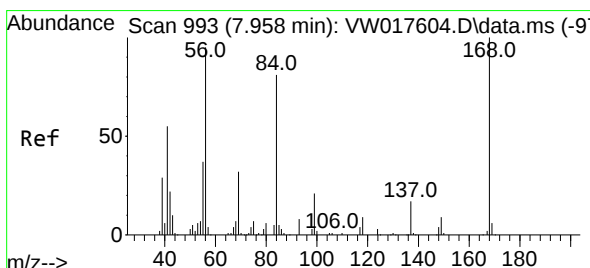
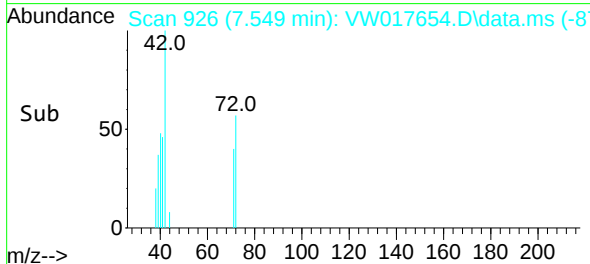
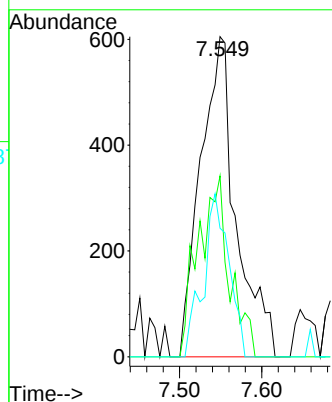
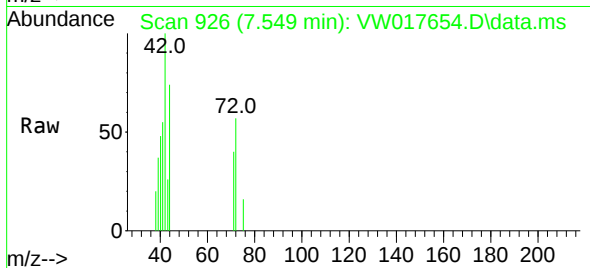
RT: 7.549 min Scan# 926

Delta R.T. 0.012 min

Lab File: VW017654.D

Acq: 16 Dec 2020 11:25

Tgt Ion:	42	Resp:	1820
Ion	Ratio	Lower	Upper
42	100		
72	49.7	42.0	63.0
71	36.3	39.0	58.6#



#31

Cyclohexane

Concen: 1.31 ug/l

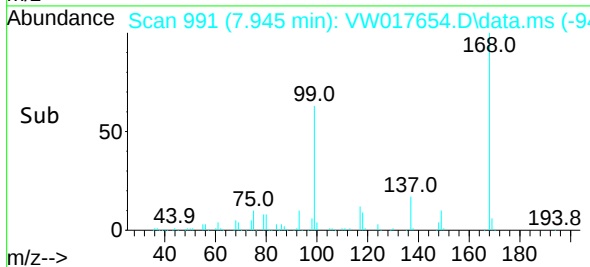
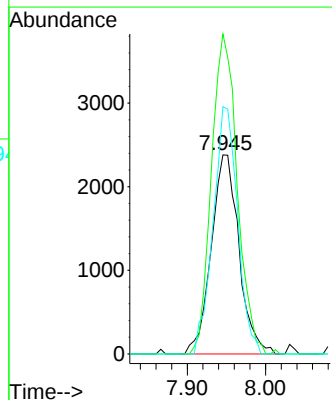
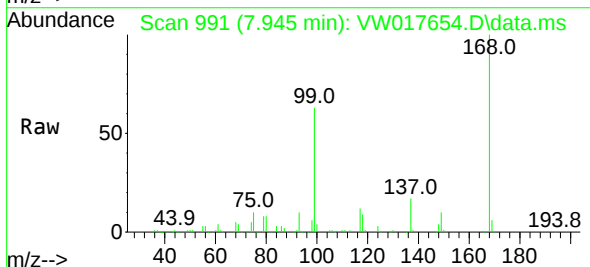
RT: 7.945 min Scan# 991

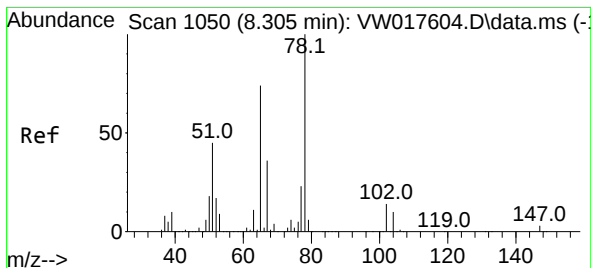
Delta R.T. -0.013 min

Lab File: VW017654.D

Acq: 16 Dec 2020 11:25

Tgt Ion:	56	Resp:	5852
Ion	Ratio	Lower	Upper
56	100		
69	160.8	29.3	43.9#
84	124.3	80.5	120.7#

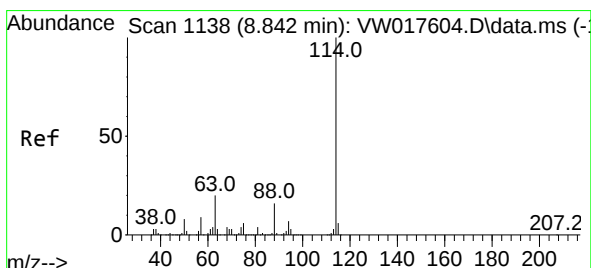
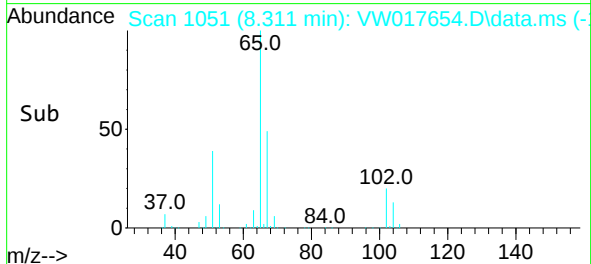
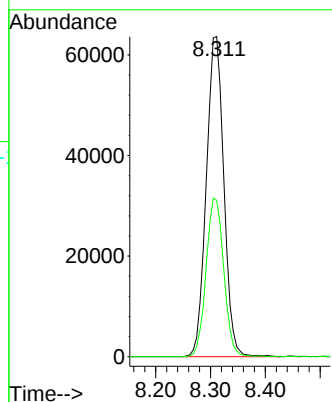
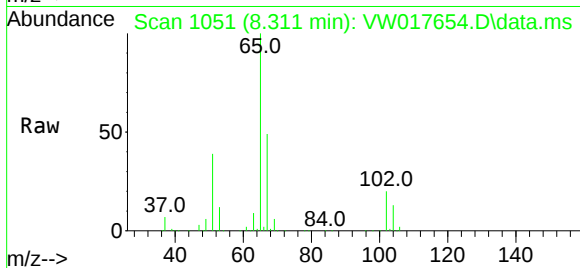




#33
 1,2-Dichloroethane-d4
 Concen: 54.76 ug/l
 RT: 8.311 min Scan# 1051
 Delta R.T. 0.006 min
 Lab File: VW017654.D
 Acq: 16 Dec 2020 11:25

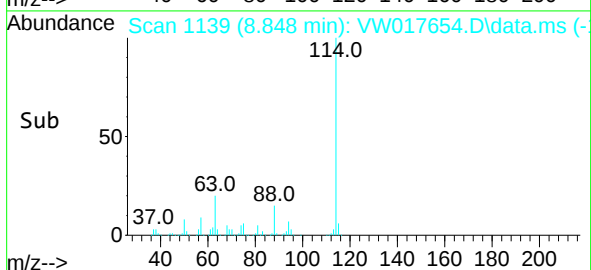
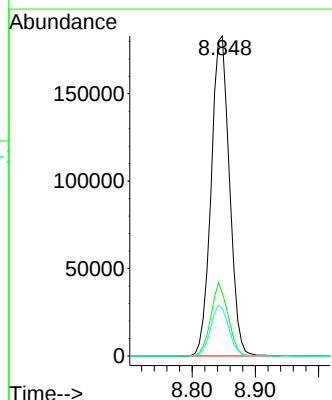
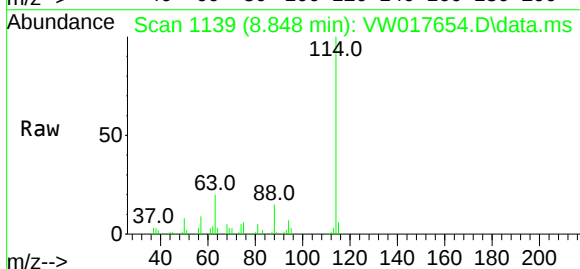
Instrument :
 MSVOA_W
 ClientSampleId :

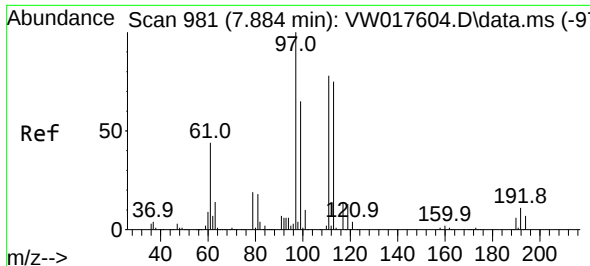
Tgt Ion: 65 Resp: 141245
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.848 min Scan# 1139
 Delta R.T. 0.006 min
 Lab File: VW017654.D
 Acq: 16 Dec 2020 11:25

Tgt Ion: 114 Resp: 367446
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 35.6
 88 14.8 0.0 30.4

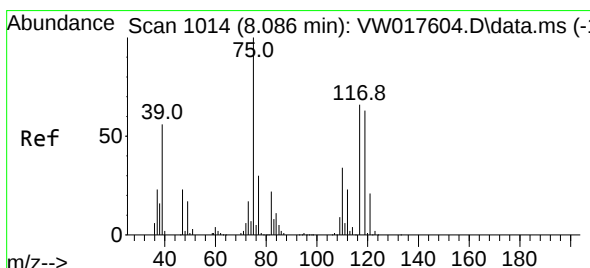
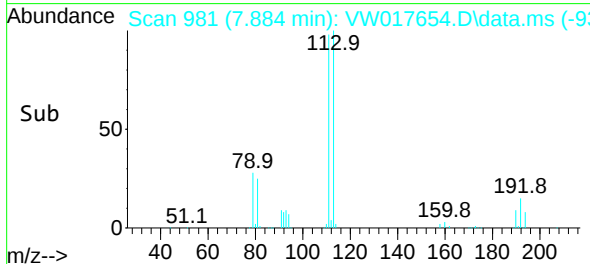
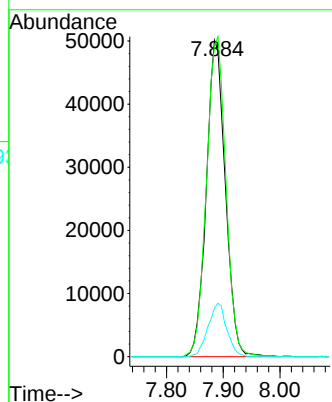
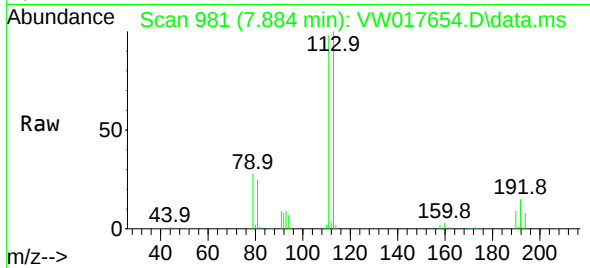




#35
Dibromofluoromethane
Concen: 48.04 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

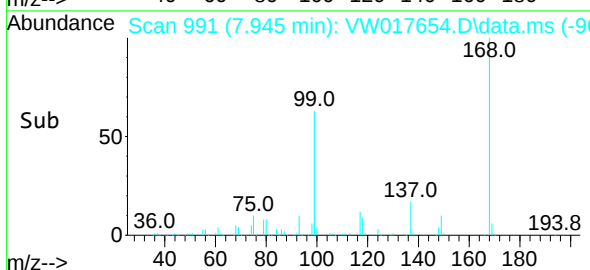
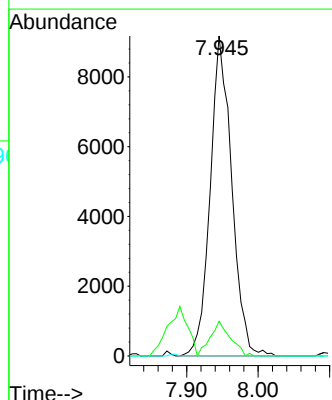
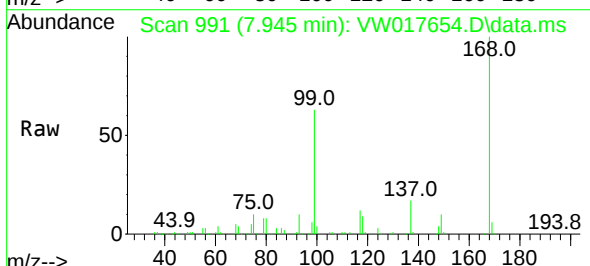
Instrument :
MSVOA_W
ClientSampleId :

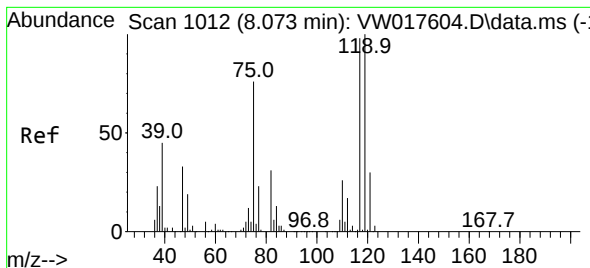
Tgt Ion:113 Resp: 116814
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.2
192 16.6 17.8 26.8#



#36
1,1-Dichloropropene
Concen: 4.99 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.141 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

Tgt Ion: 75 Resp: 19213
Ion Ratio Lower Upper
75 100
110 10.1 19.3 57.9#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.70 ug/l

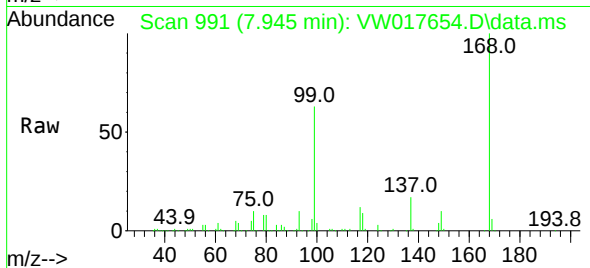
RT: 7.945 min Scan# 991

Delta R.T. -0.128 min

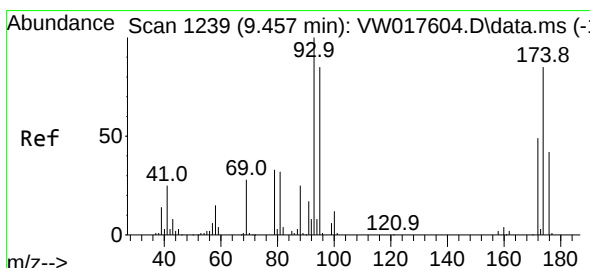
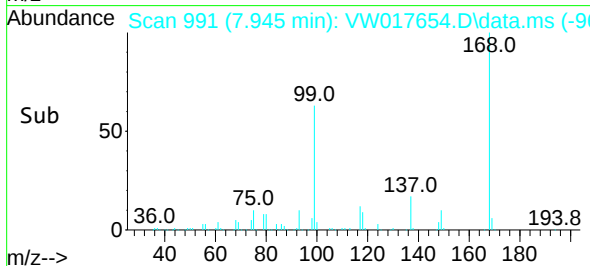
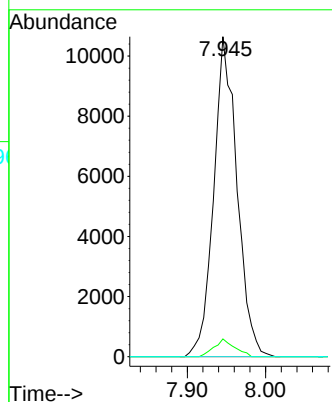
Lab File: VW017654.D

Acq: 16 Dec 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	117	Resp:	22021
Ion	Ratio	Lower	Upper
117	100		
119	5.6	81.6	122.4#
121	0.0	25.7	38.5#



#49

1,4-Dioxane

Concen: 1.09 ug/l

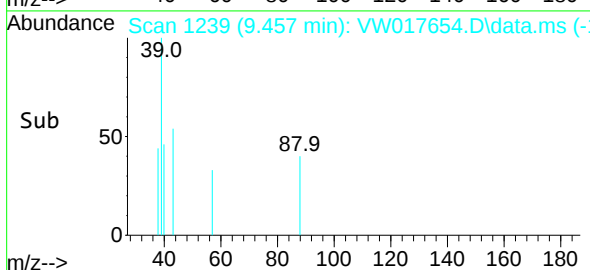
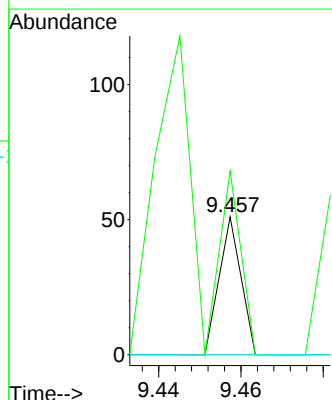
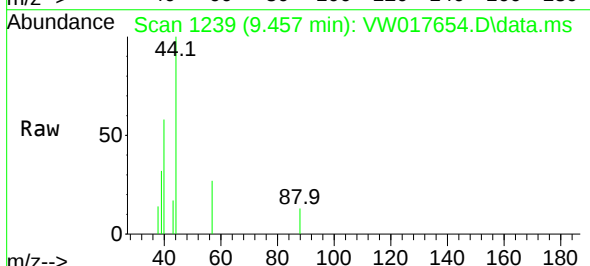
RT: 9.457 min Scan# 1239

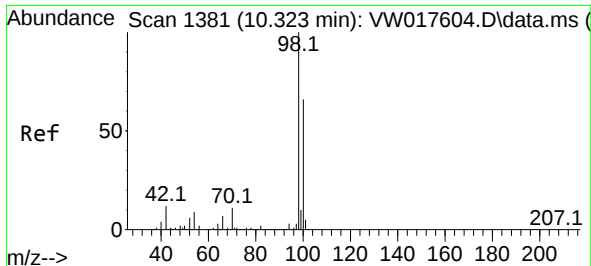
Delta R.T. 0.000 min

Lab File: VW017654.D

Acq: 16 Dec 2020 11:25

Tgt Ion:	88	Resp:	19
Ion	Ratio	Lower	Upper
88	100		
43	500.0	0.0	0.0#
58	0.0	54.0	81.0#

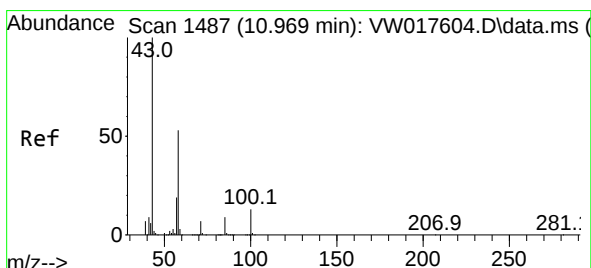
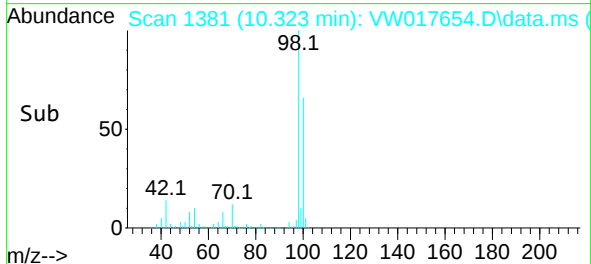
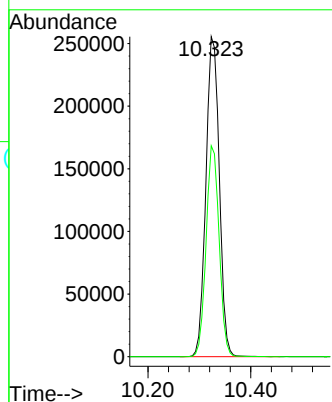
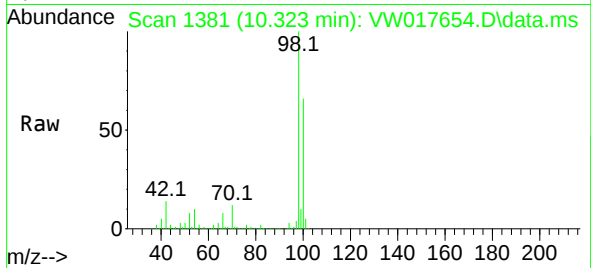




#50
Toluene-d8
Concen: 48.78 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

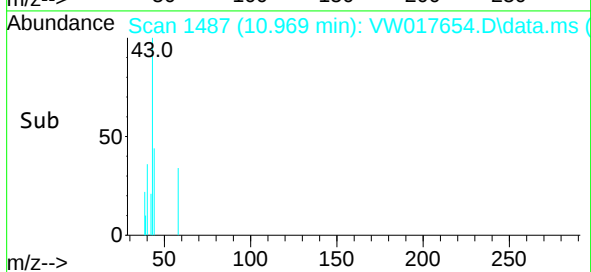
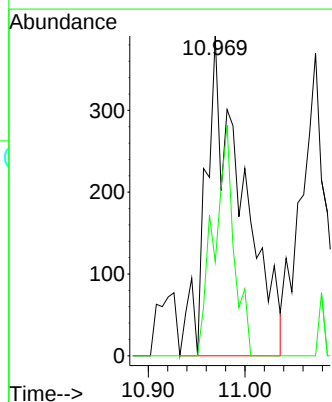
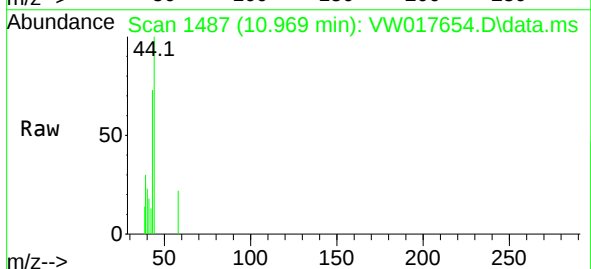
Instrument :
MSVOA_W
ClientSampleId :

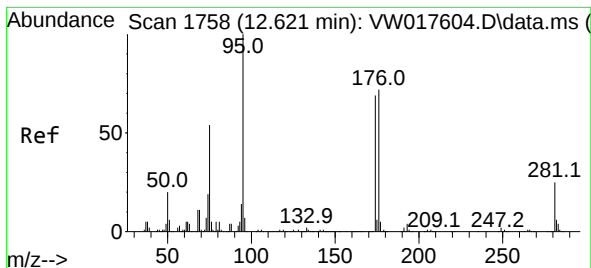
Tgt Ion: 98 Resp: 461852
Ion Ratio Lower Upper
98 100
100 64.2 53.3 79.9



#59
2-Hexanone
Concen: 1.02 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

Tgt Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
58 39.5 29.5 88.5

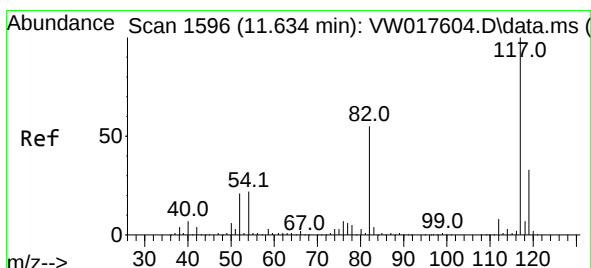
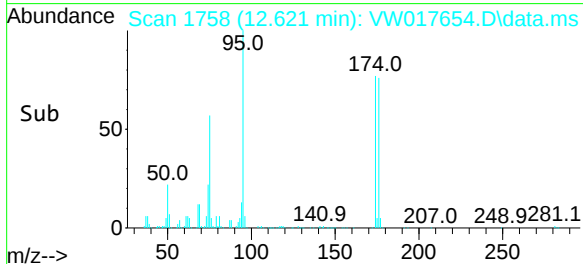
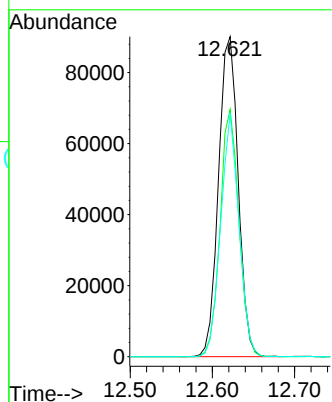
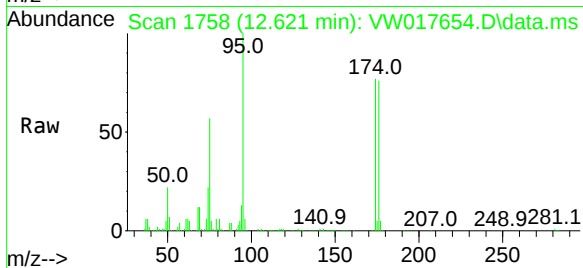




#62
4-Bromofluorobenzene
Concen: 44.37 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

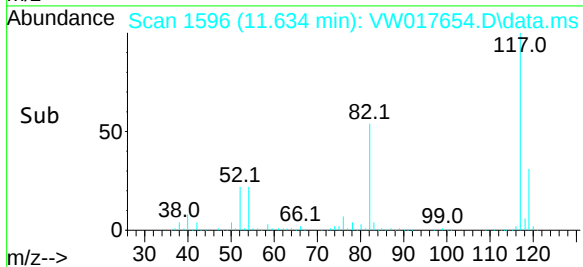
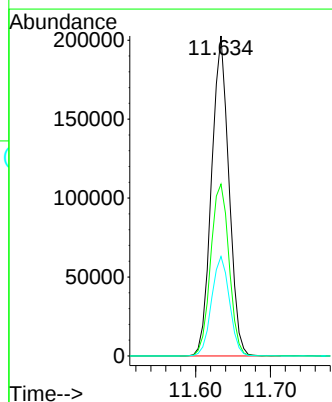
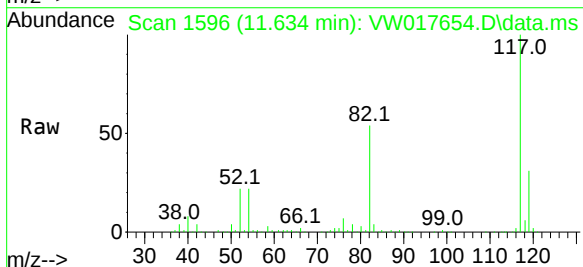
Instrument :
MSVOA_W
ClientSampleId :

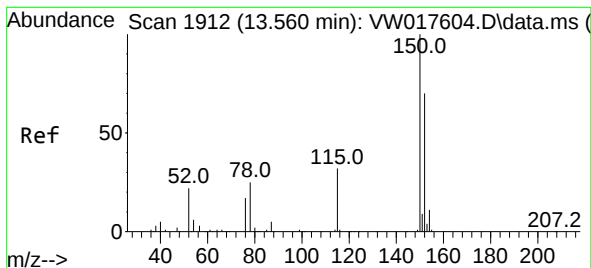
Tgt Ion: 95 Resp: 149978
Ion Ratio Lower Upper
95 100
174 73.8 0.0 180.6
176 70.8 0.0 177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

Tgt Ion: 117 Resp: 326842
Ion Ratio Lower Upper
117 100
82 53.7 40.7 61.1
119 31.1 25.0 37.4

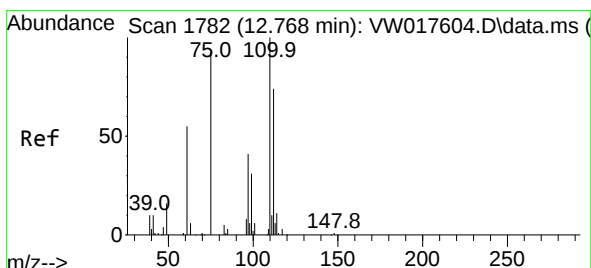
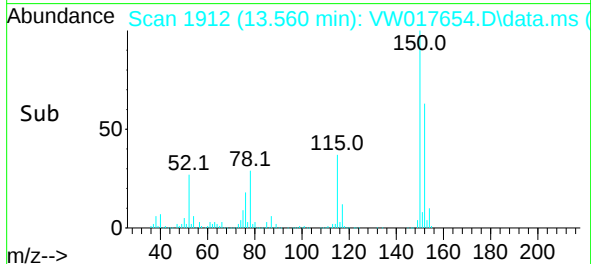
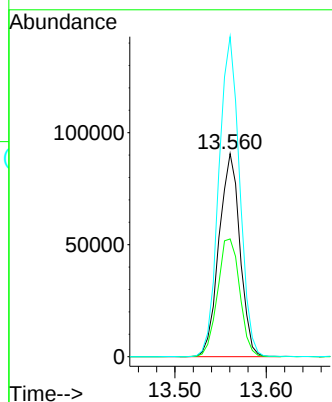
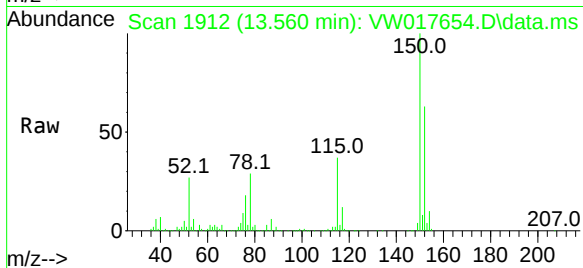




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

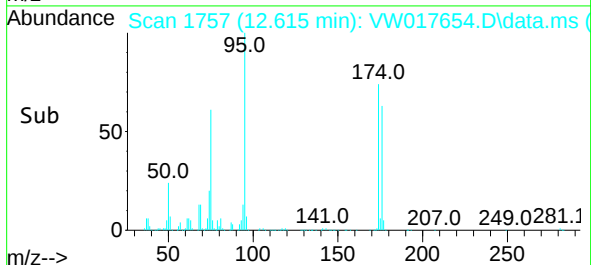
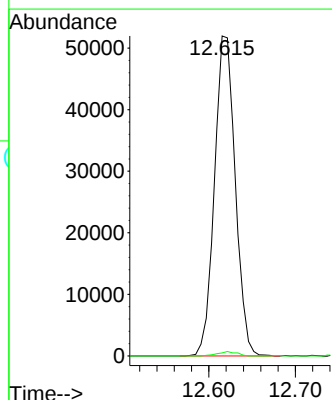
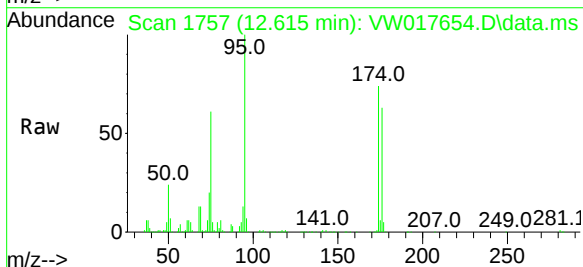
Instrument :
MSVOA_W
ClientSampleId :

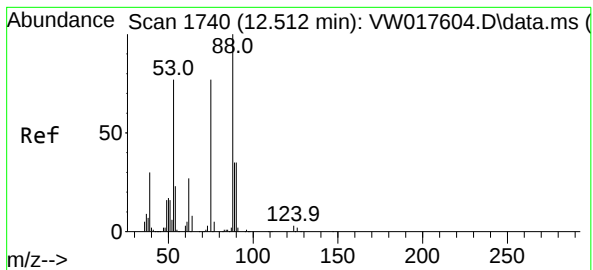
Tgt Ion:152 Resp: 144552
Ion Ratio Lower Upper
152 100
115 61.4 27.9 83.7
150 156.1 0.0 344.0



#76
1,2,3-Trichloropropane
Concen: 62.27 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017654.D
Acq: 16 Dec 2020 11:25

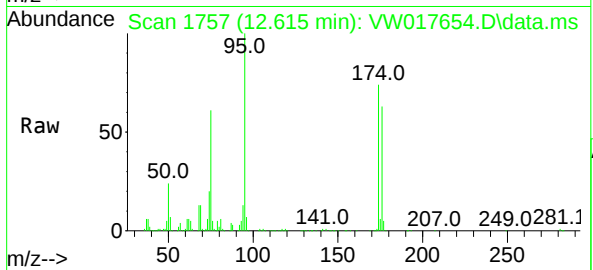
Tgt Ion: 75 Resp: 86643
Ion Ratio Lower Upper
75 100
77 1.3 178.8 536.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.16 ug/l
 RT: 12.615 min Scan# 1757
 Delta R.T. 0.103 min
 Lab File: VW017654.D
 Acq: 16 Dec 2020 11:25

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	75	Resp:	86643
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.0	115.4#
89	0.0	38.7	58.1#

