

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122120\
 Data File : VW017687.D
 Acq On : 21 Dec 2020 12:37
 Operator : SY/VA
 Sample : L5155-01RE
 Misc : 5.65G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 22 03:46:14 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)

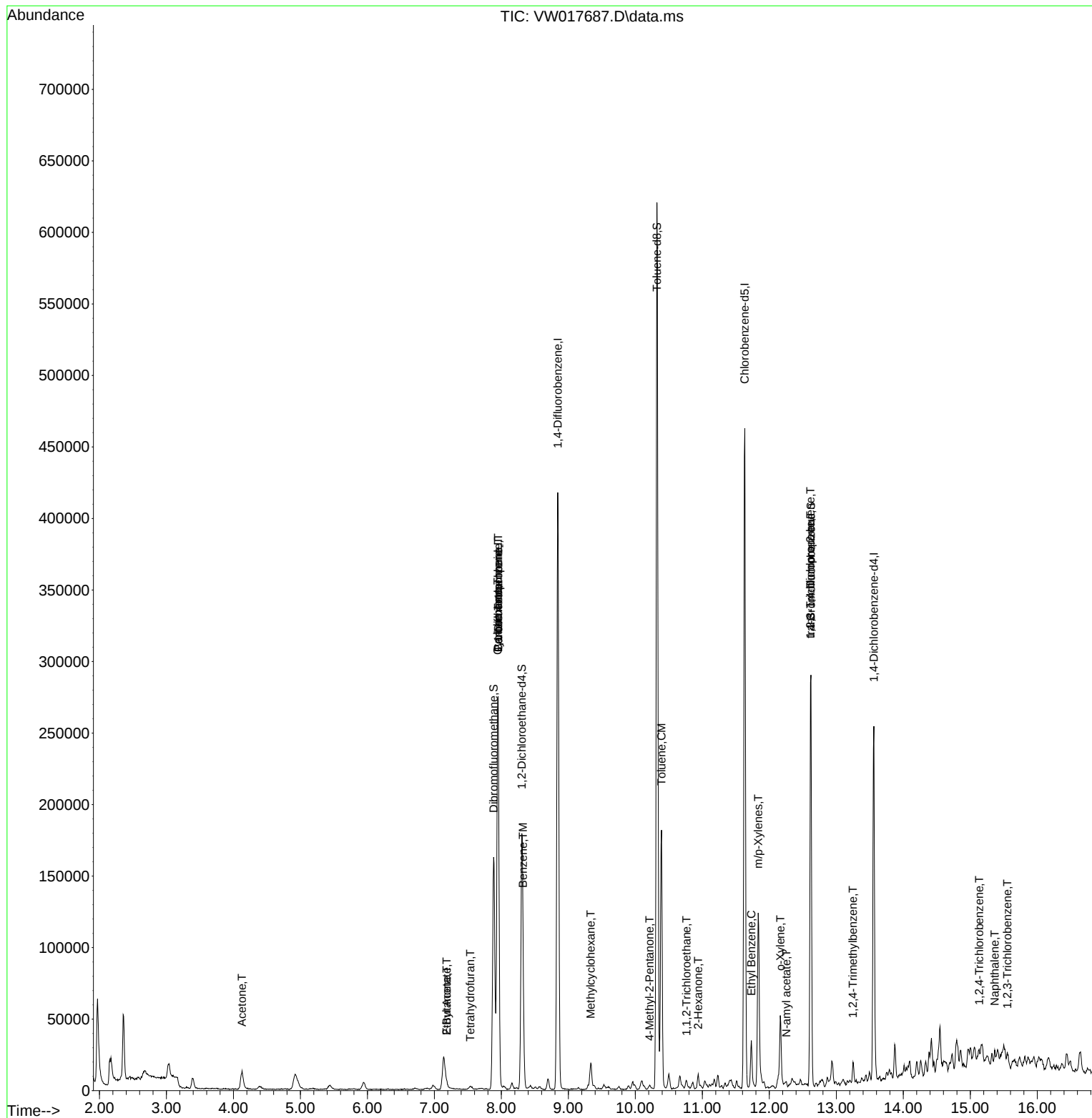
Internal Standards						
1) Pentafluorobenzene	7.951	168	192286	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.841	114	341143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	244525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	60511	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	129240	55.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.36%	
35) Dibromofluoromethane	7.884	113	113157	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
50) Toluene-d8	10.323	98	391540	44.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.10%	
62) 4-Bromofluorobenzene	12.621	95	87208	27.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.58%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.190	59	216	Below Cal	#	82
16) Acetone	4.129	43	22557	44.26	ug/l	96
20) Methylene Chloride	4.921	84	7558	Below Cal	#	67
25) 2-Butanone	7.183	43	7478	11.02	ug/l	95
26) 2,2-Dichloropropane	7.134	77	1716	Below Cal	#	50
29) Tetrahydrofuran	7.537	42	2124	5.56	ug/l	# 58
31) Cyclohexane	7.945	56	8619	2.13	ug/l	# 64
36) 1,1-Dichloropropene	7.951	75	17665	4.95	ug/l	# 48
37) Ethyl Acetate	7.183	43	7478	5.01	ug/l	# 66
38) Carbon Tetrachloride	7.951	117	20892	5.82	ug/l	# 14
39) Methylcyclohexane	9.335	83	7102	1.57	ug/l	# 85
40) Benzene	8.323	78	28036	2.96	ug/l	93
51) 4-Methyl-2-Pentanone	10.213	43	2198	1.58	ug/l	# 83
52) Toluene	10.390	92	73915	11.95	ug/l	95
55) 1,1,2-Trichloroethane	10.762	97	2219	1.27	ug/l	# 29
59) 2-Hexanone	10.939	43	7392	7.93	ug/l	# 21
67) Ethyl Benzene	11.731	91	20537	2.10	ug/l	97
68) m/p-Xylenes	11.835	106	34962	9.39	ug/l	97
69) o-Xylene	12.164	106	12480	3.55	ug/l	97
74) N-amyl acetate	12.256	43	1300	1.30	ug/l	# 51
76) 1,2,3-Trichloropropane	12.615	75	52795	90.64	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.615	75	52795	183.64	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.249	105	8075	2.02	ug/l	99
93) 1,2,4-Trichlorobenzene	15.133	180	1290	1.11	ug/l	# 1
95) Naphthalene	15.365	128	8727	3.67	ug/l	# 95
96) 1,2,3-Trichlorobenzene	15.554	180	1204	1.20	ug/l	# 1

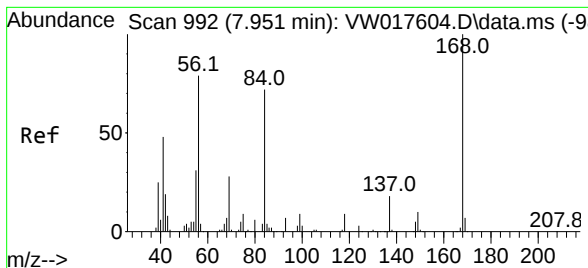
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 22 03:46:14 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

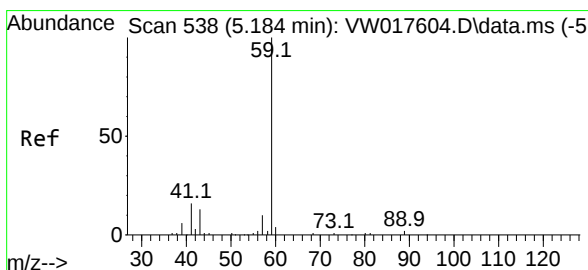
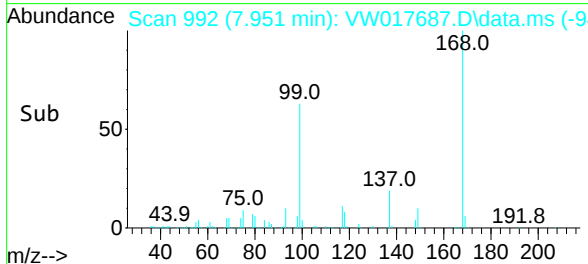
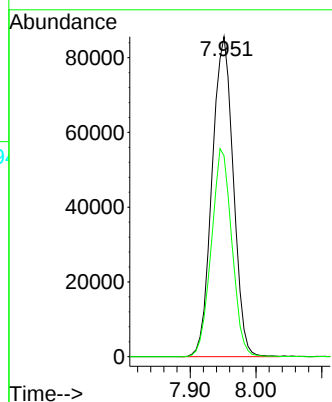
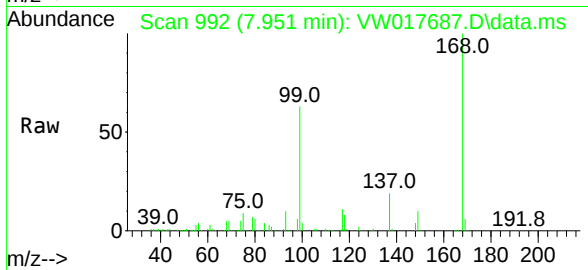




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

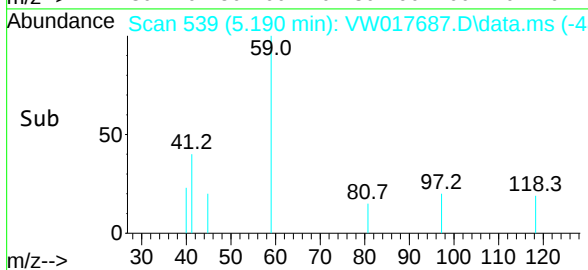
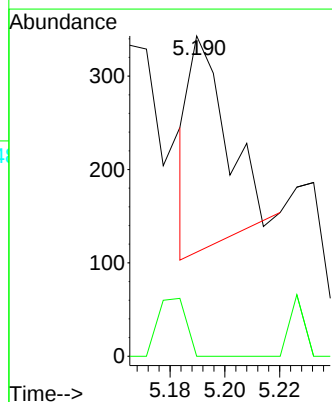
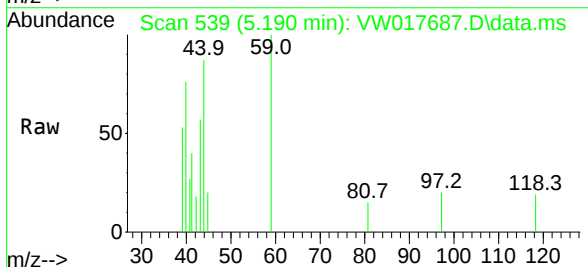
Instrument :
MSVOA_W
ClientSampleId :

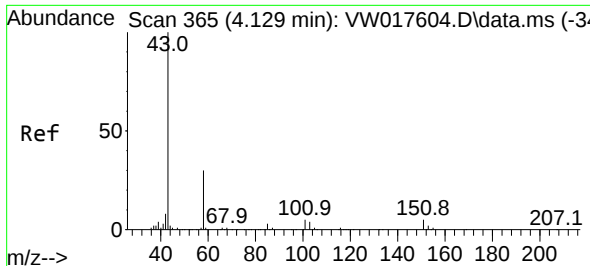
Tgt Ion:168 Resp: 192286
Ion Ratio Lower Upper
168 100
99 62.8 40.7 61.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.190 min Scan# 539
Delta R.T. 0.006 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

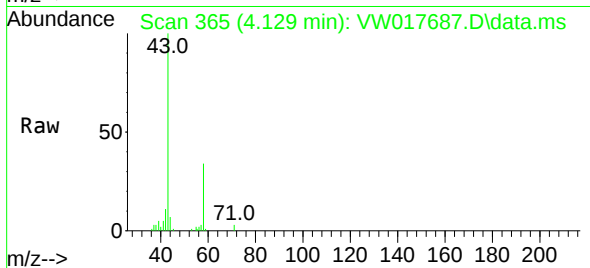
Tgt Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#



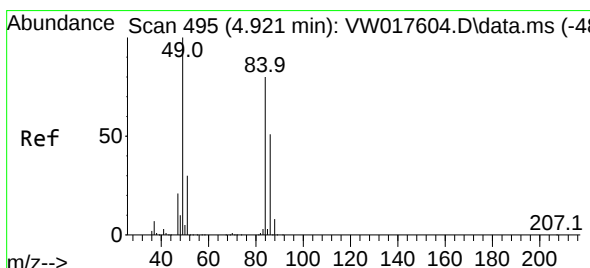
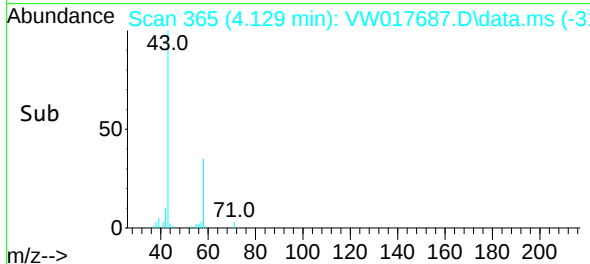
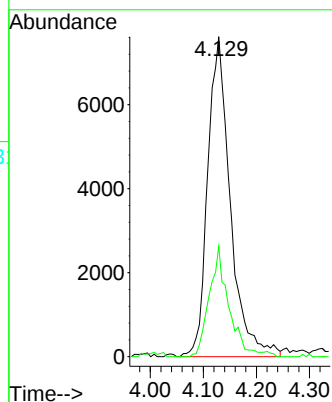


#16
Acetone
Concen: 44.26 ug/l
RT: 4.129 min Scan# 365
Delta R.T. -0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Instrument :
MSVOA_W
ClientSampled :

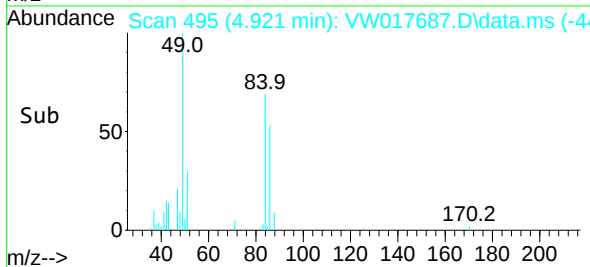
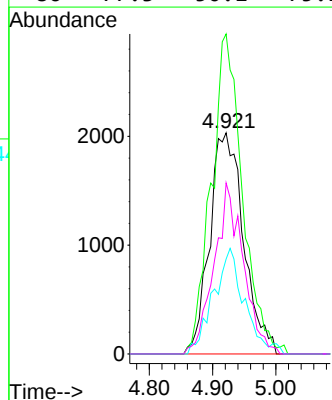
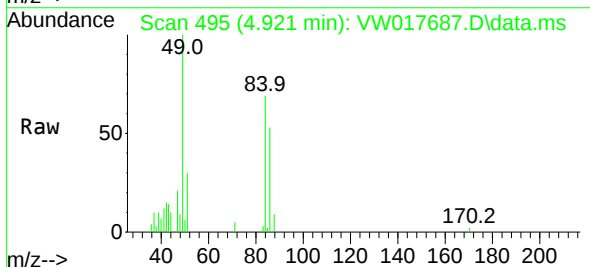


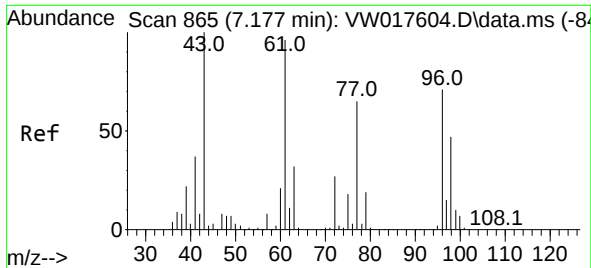
Tgt Ion: 43 Resp: 22557
Ion Ratio Lower Upper
43 100
58 34.5 25.7 38.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.921 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion: 84 Resp: 7558
Ion Ratio Lower Upper
84 100
49 144.7 79.0 118.6#
51 42.9 26.1 39.1#
86 77.3 50.1 75.1#

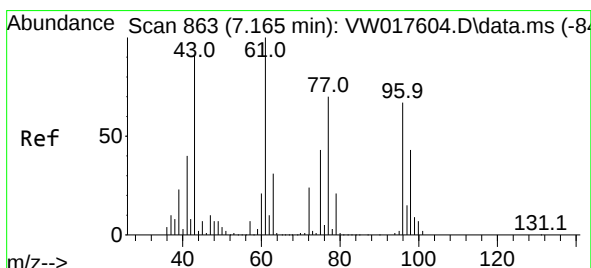
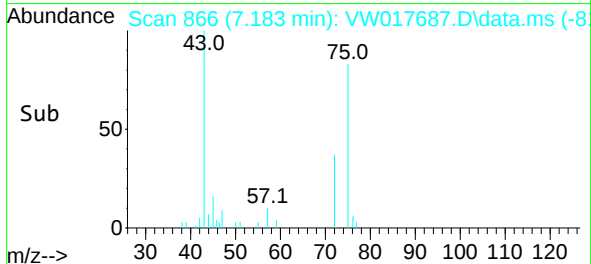
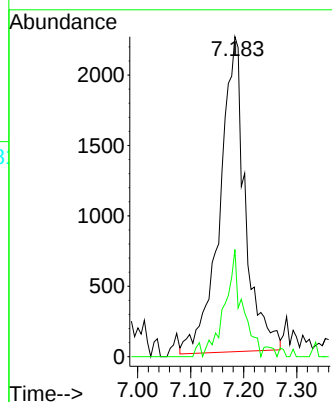
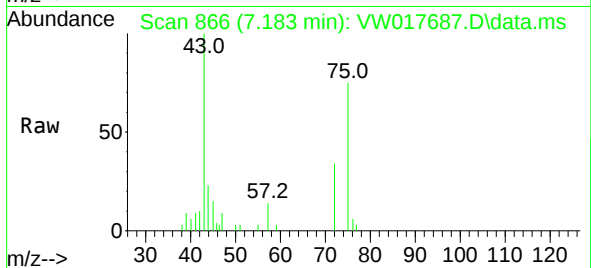




#25
2-Butanone
Concen: 11.02 ug/l
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

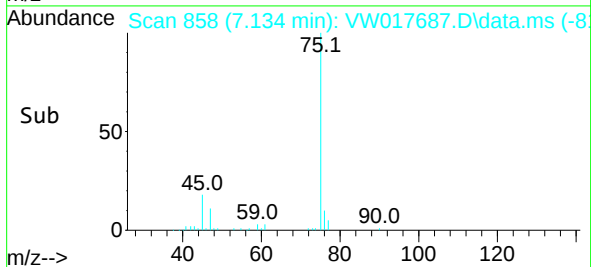
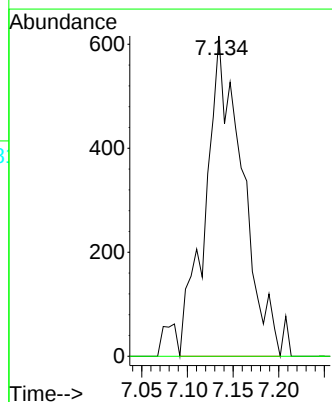
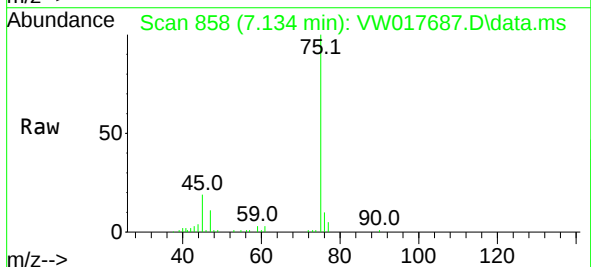
Instrument :
MSVOA_W
ClientSampled :

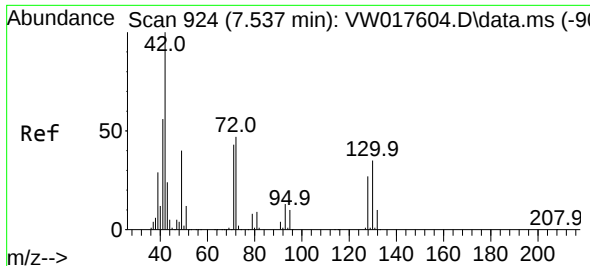
Tgt Ion: 43 Resp: 7478
Ion Ratio Lower Upper
43 100
72 34.4 25.4 38.2



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.134 min Scan# 858
Delta R.T. -0.031 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion: 77 Resp: 1716
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 5.56 ug/l

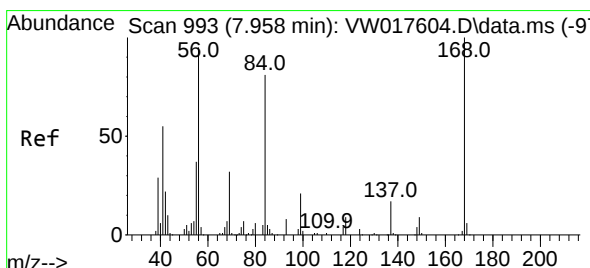
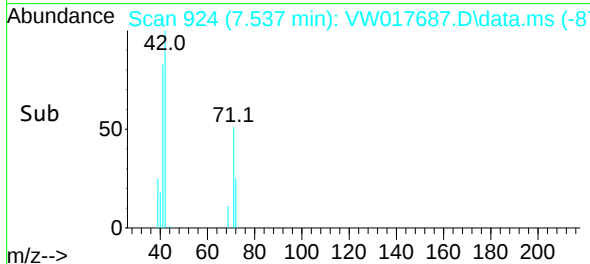
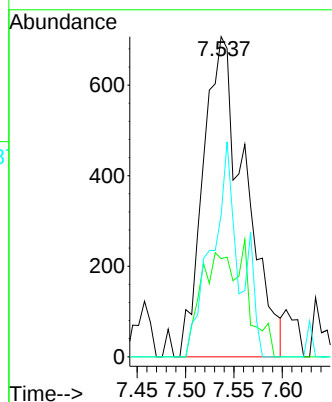
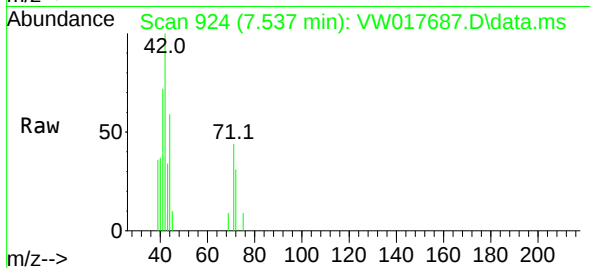
RT: 7.537 min Scan# 924

Delta R.T. -0.000 min

Lab File: VW017687.D

Acq: 21 Dec 2020 12:37

Tgt Ion:	42	Resp:	2124
Ion	Ratio	Lower	Upper
42	100		
72	0.0	42.0	63.0#
71	44.5	39.0	58.6



#31

Cyclohexane

Concen: 2.13 ug/l

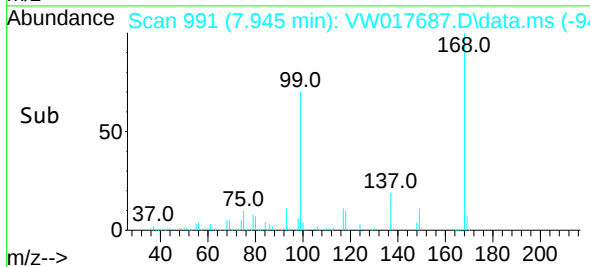
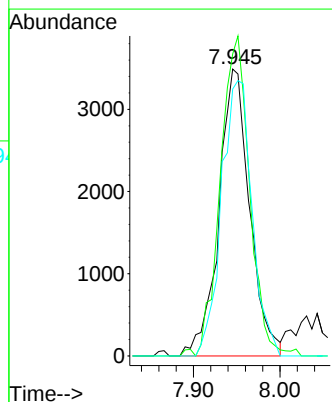
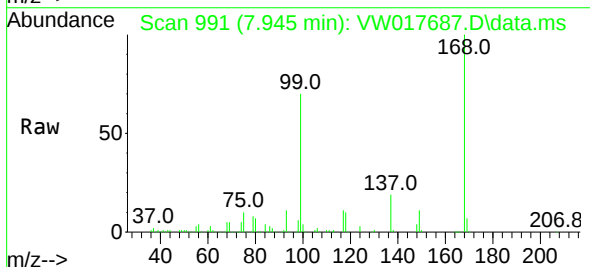
RT: 7.945 min Scan# 991

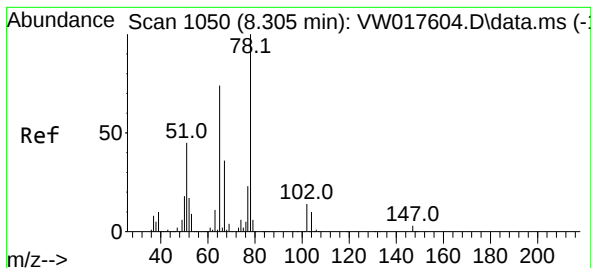
Delta R.T. -0.013 min

Lab File: VW017687.D

Acq: 21 Dec 2020 12:37

Tgt Ion:	56	Resp:	8619
Ion	Ratio	Lower	Upper
56	100		
69	105.2	29.3	43.9#
84	93.0	80.5	120.7

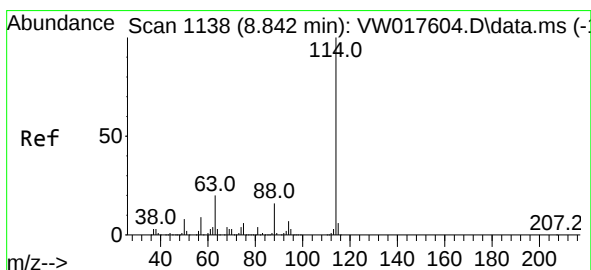
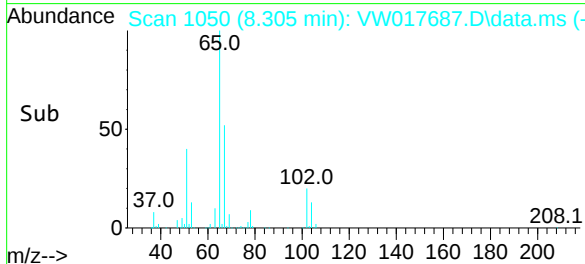
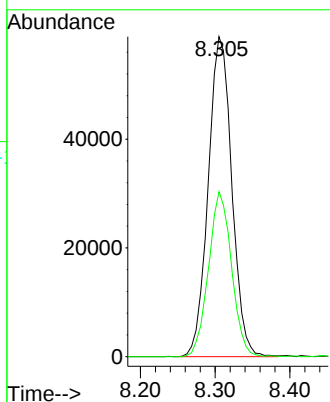
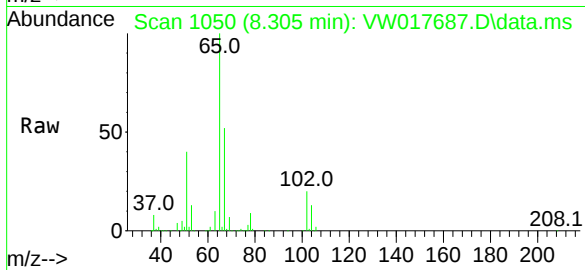




#33
 1,2-Dichloroethane-d4
 Concen: 55.18 ug/l
 RT: 8.305 min Scan# 1050
 Delta R.T. -0.000 min
 Lab File: VW017687.D
 Acq: 21 Dec 2020 12:37

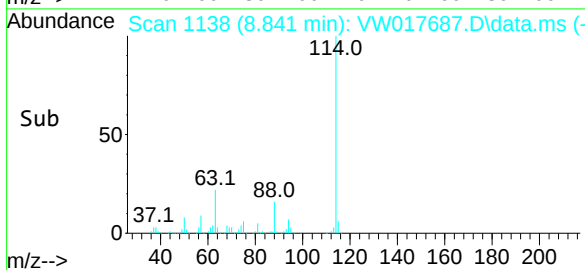
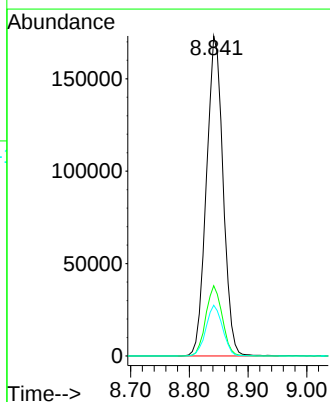
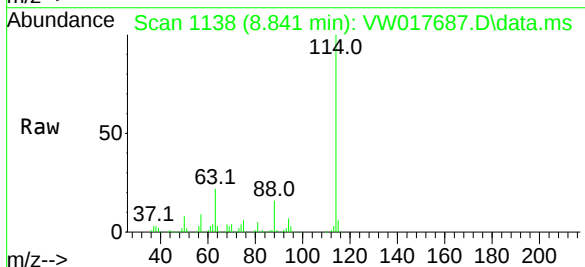
Instrument :
 MSVOA_W
 ClientSampleId :

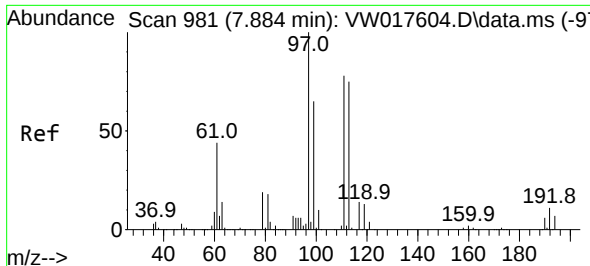
Tgt Ion: 65 Resp: 129240
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.841 min Scan# 1138
 Delta R.T. -0.001 min
 Lab File: VW017687.D
 Acq: 21 Dec 2020 12:37

Tgt Ion: 114 Resp: 341143
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.6
 88 15.9 0.0 30.4

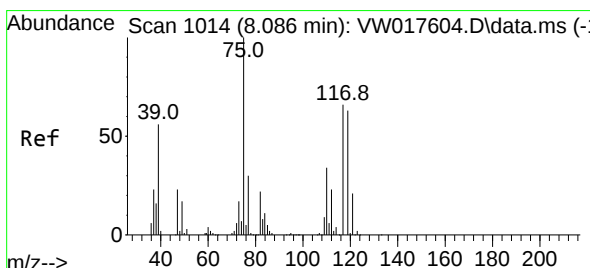
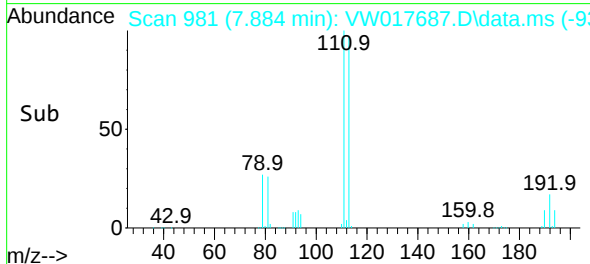
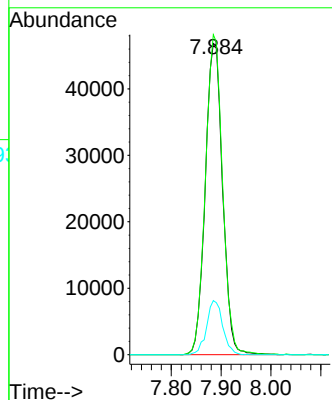
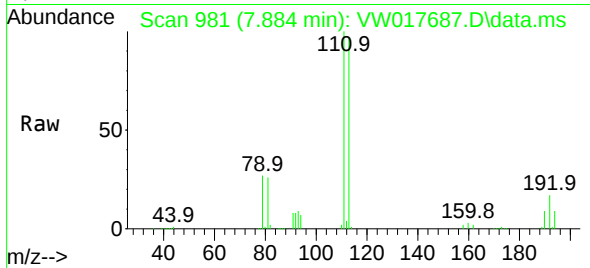




#35
Dibromofluoromethane
Concen: 50.12 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

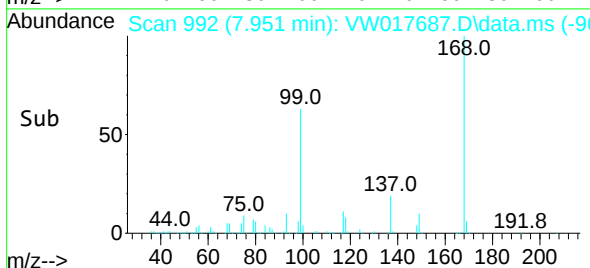
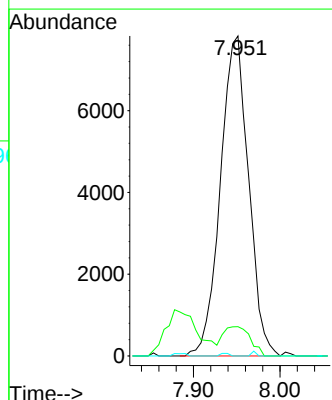
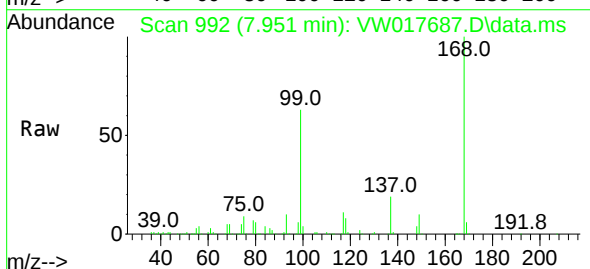
Instrument :
MSVOA_W
ClientSampleId :

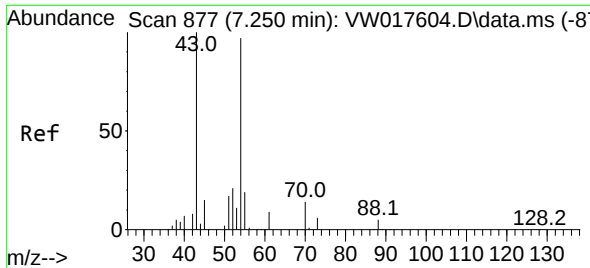
Tgt Ion:113 Resp: 113157
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.2
192 16.2 17.8 26.8#



#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.135 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

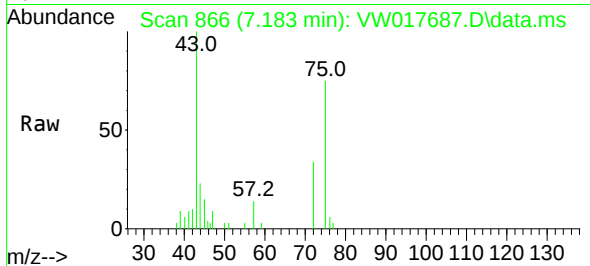
Tgt Ion: 75 Resp: 17665
Ion Ratio Lower Upper
75 100
110 8.9 19.3 57.9#
77 0.0 25.0 37.6#



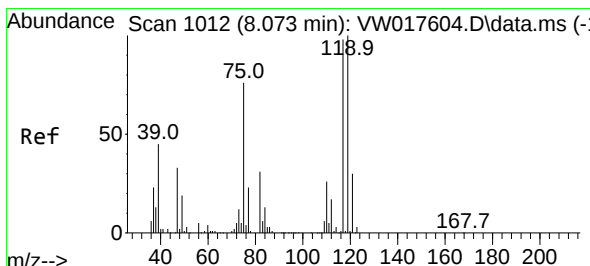
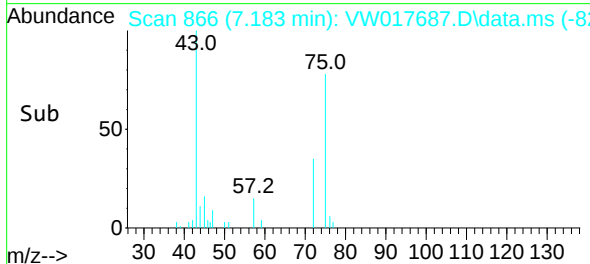
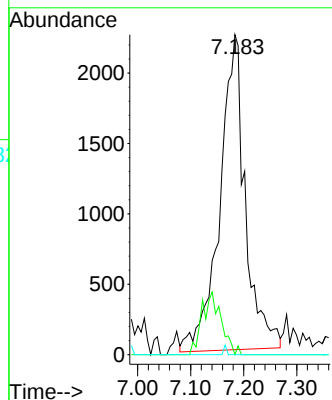


#37
Ethyl Acetate
Concen: 5.01 ug/l
RT: 7.183 min Scan# 866
Delta R.T. -0.067 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Instrument :
MSVOA_W
ClientSampleId :

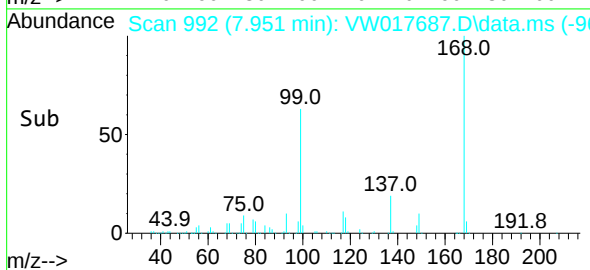
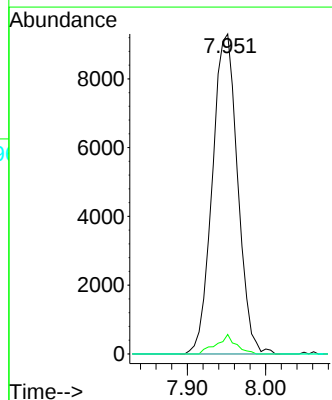
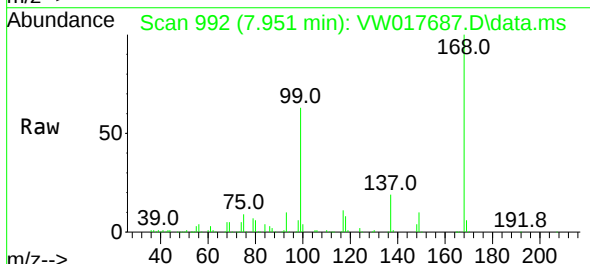


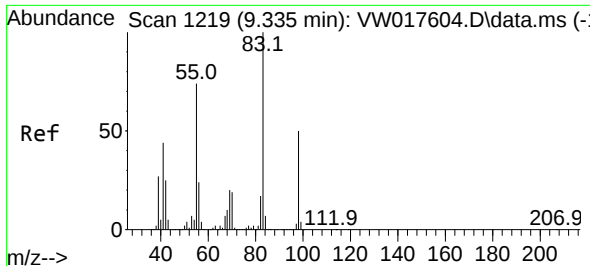
Tgt Ion: 43 Resp: 7478
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.3 9.9 14.9#



#38
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.122 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion: 117 Resp: 20892
Ion Ratio Lower Upper
117 100
119 6.1 81.6 122.4#
121 0.0 25.7 38.5#

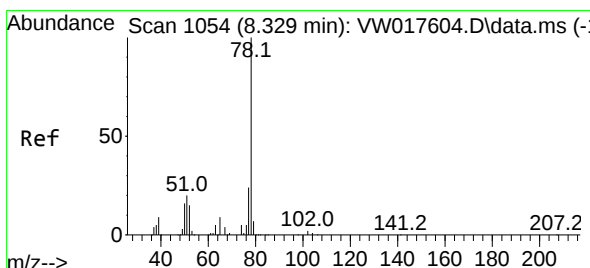
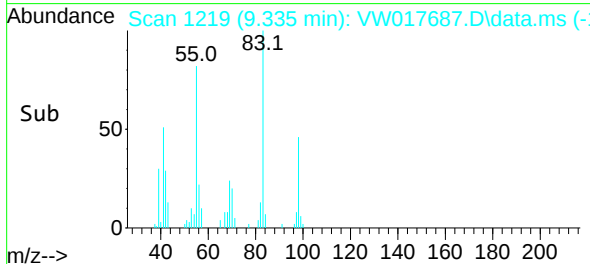
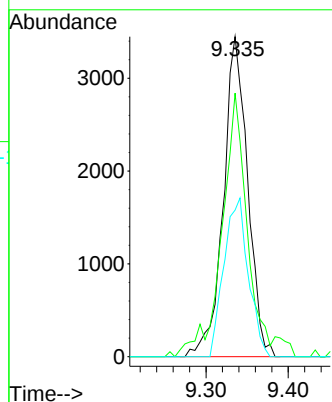
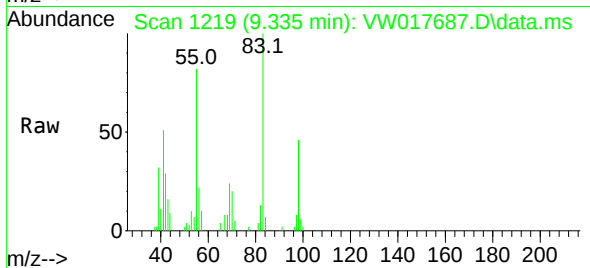




#39
Methylcyclohexane
Concen: 1.57 ug/l
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

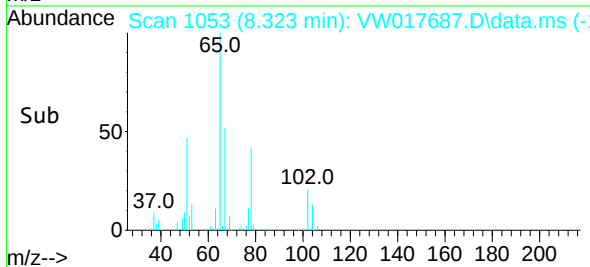
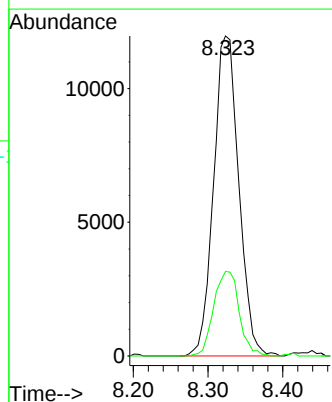
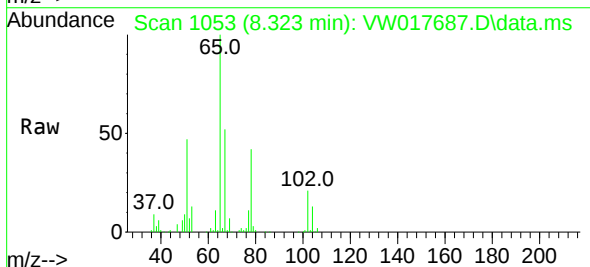
Instrument :
MSVOA_W
ClientSampleId :

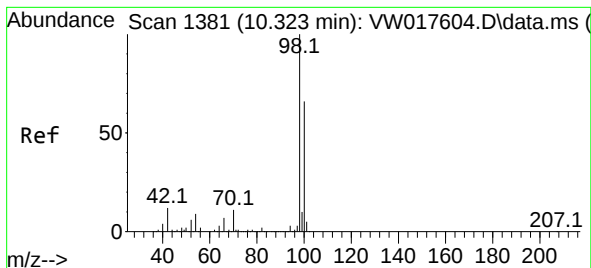
Tgt Ion: 83 Resp: 7102
Ion Ratio Lower Upper
83 100
55 80.3 51.7 77.5#
98 45.8 41.0 61.4



#40
Benzene
Concen: 2.96 ug/l
RT: 8.323 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion: 78 Resp: 28036
Ion Ratio Lower Upper
78 100
77 26.4 18.5 27.7

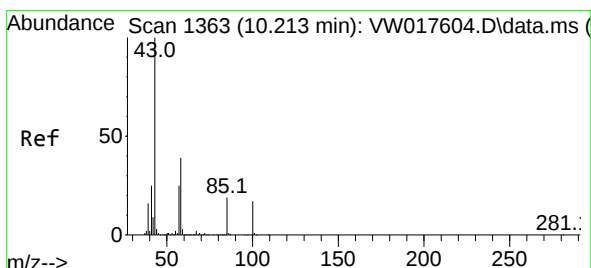
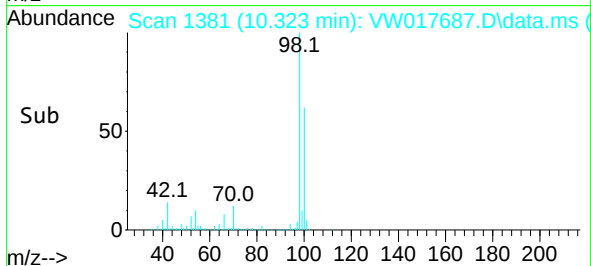
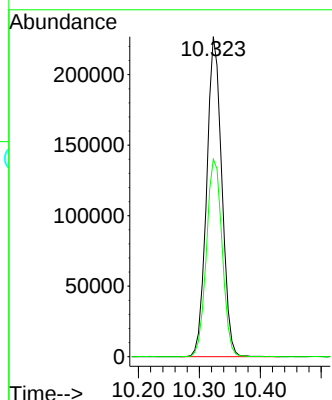
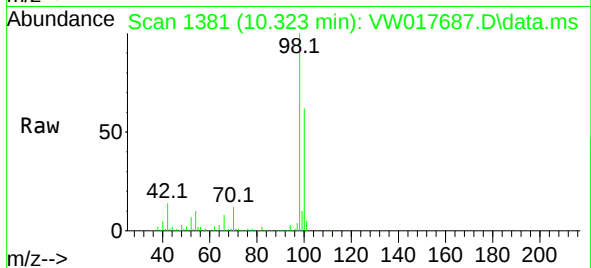




#50
Toluene-d8
Concen: 44.55 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

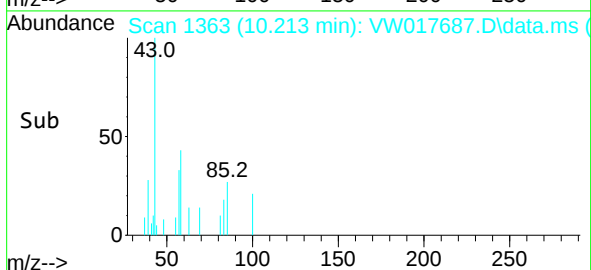
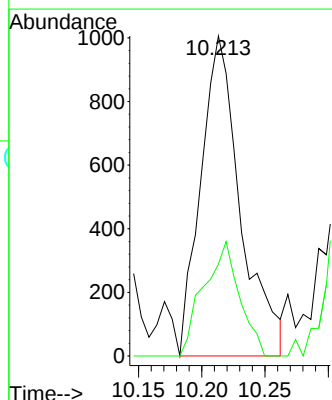
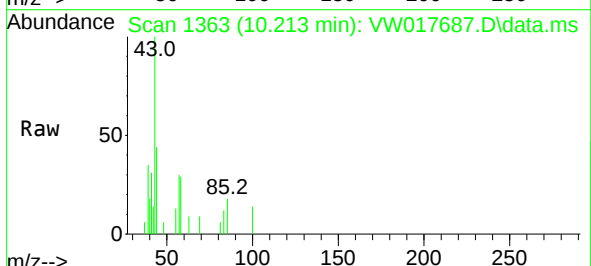
Instrument :
MSVOA_W
ClientSampleId :

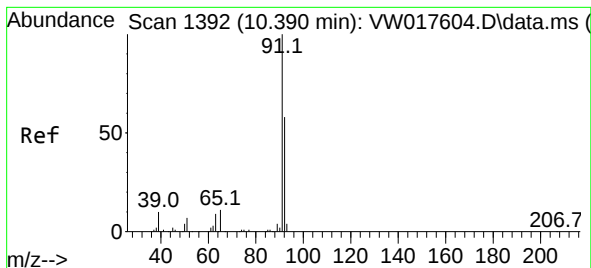
Tgt Ion: 98 Resp: 391540
Ion Ratio Lower Upper
98 100
100 63.9 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 1.58 ug/l
RT: 10.213 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
58 32.3 34.7 52.1#

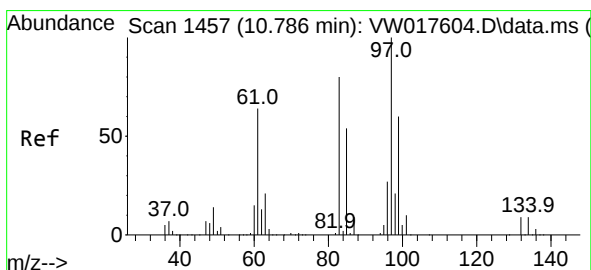
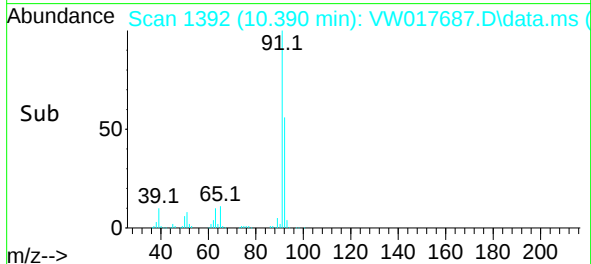
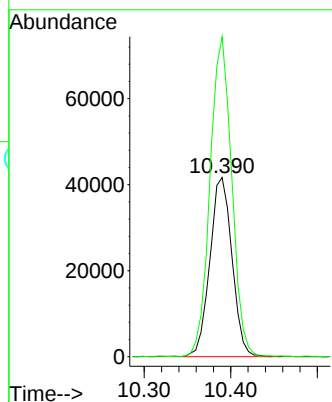
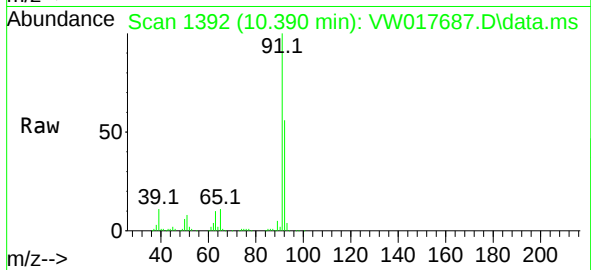




#52
Toluene
Concen: 11.95 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

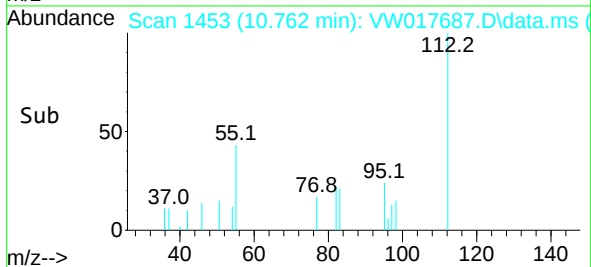
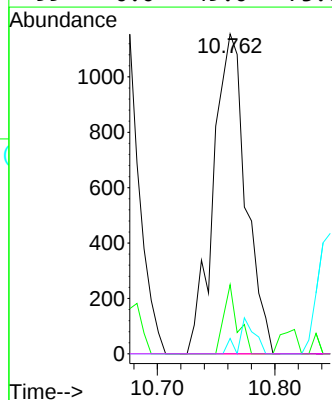
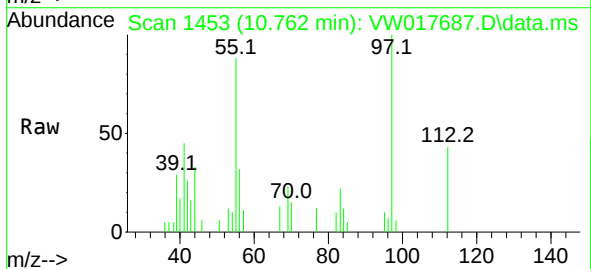
Instrument :
MSVOA_W
ClientSampleId :

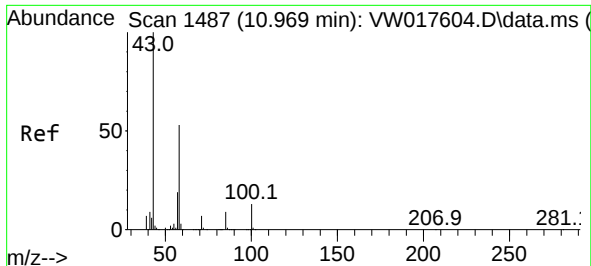
Tgt Ion: 92 Resp: 73915
Ion Ratio Lower Upper
92 100
91 175.1 134.7 202.1



#55
1,1,2-Trichloroethane
Concen: 1.27 ug/l
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion: 97 Resp: 2219
Ion Ratio Lower Upper
97 100
83 21.6 64.6 97.0#
85 4.8 40.6 61.0#
99 0.0 49.0 73.6#

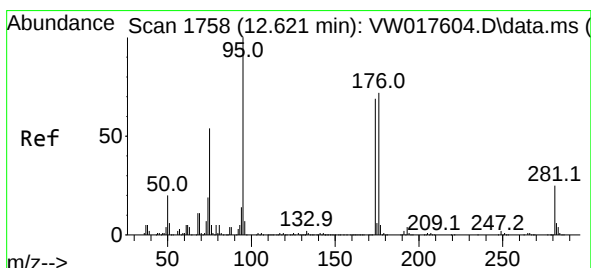
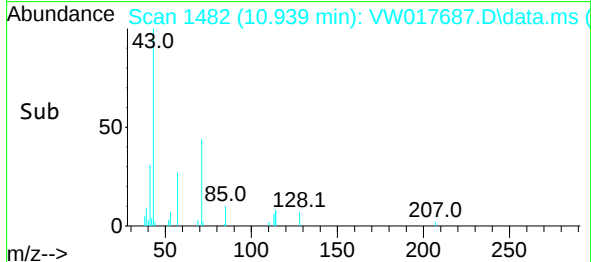
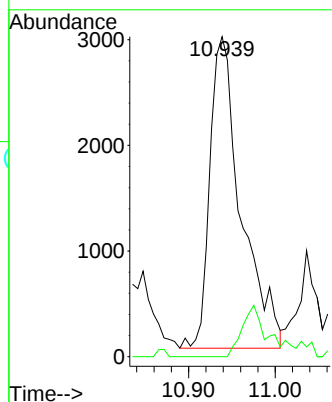
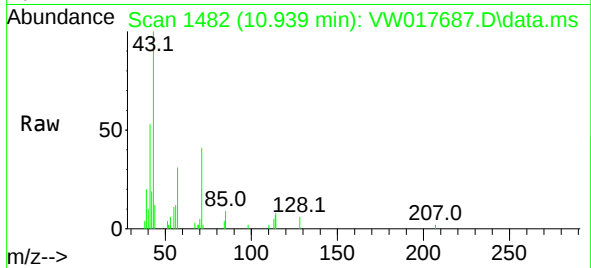




#59
2-Hexanone
Concen: 7.93 ug/l
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

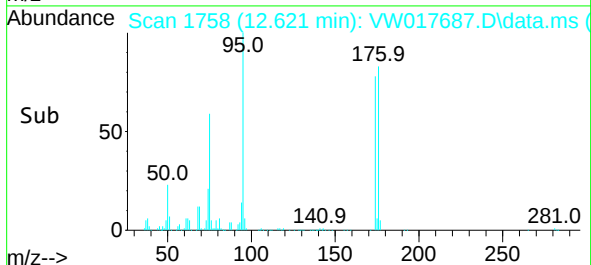
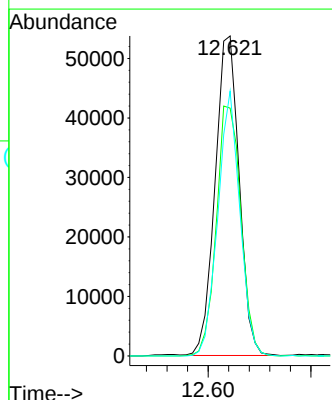
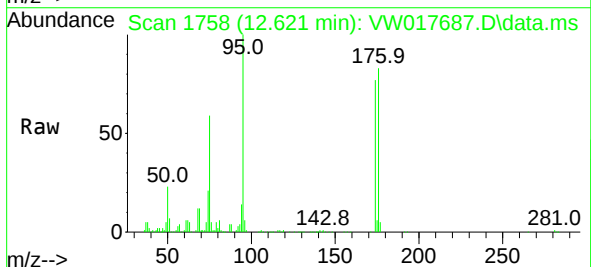
Instrument :
MSVOA_W
ClientSampleId :

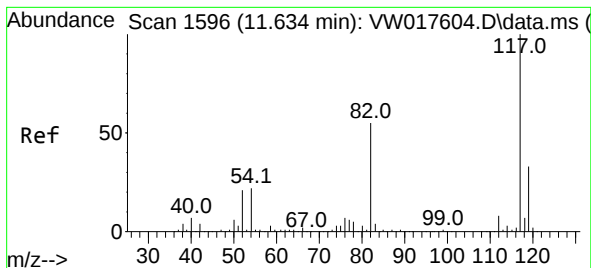
Tgt Ion: 43 Resp: 7392
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 27.79 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion: 95 Resp: 87208
Ion Ratio Lower Upper
95 100
174 79.9 0.0 180.6
176 75.8 0.0 177.6

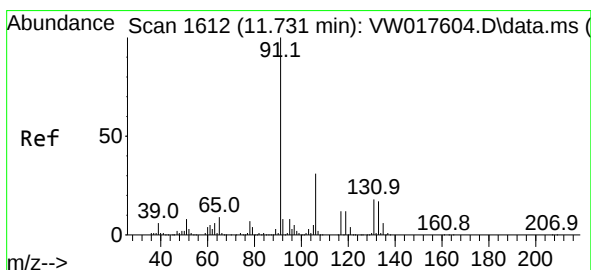
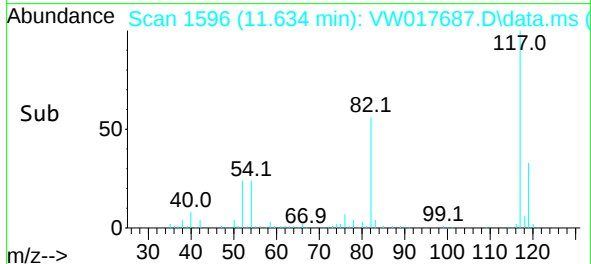
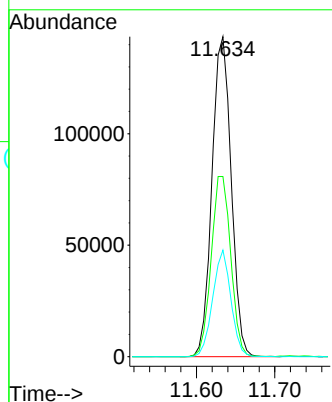
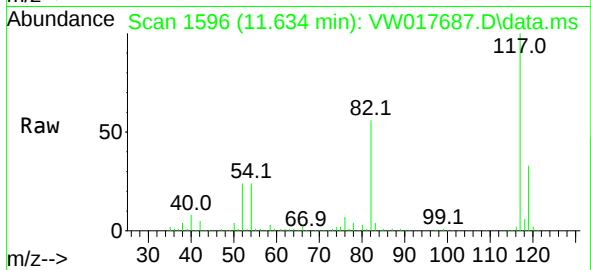




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

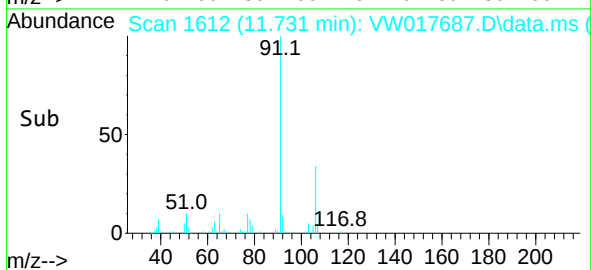
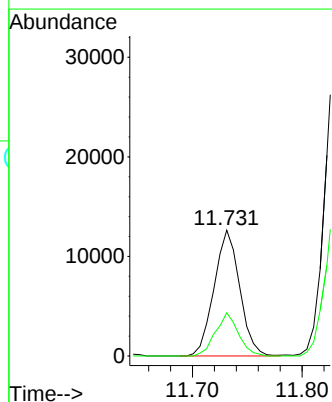
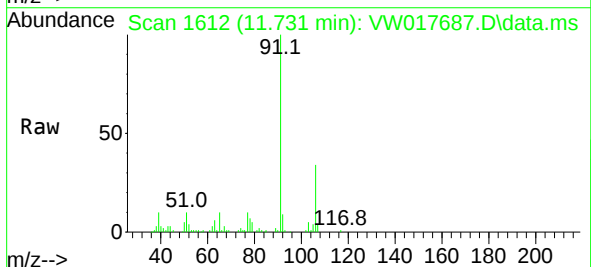
Instrument :
MSVOA_W
ClientSampleId :

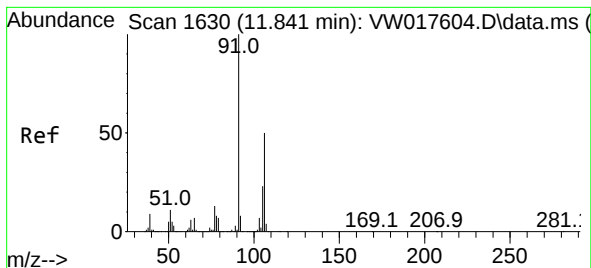
Tgt Ion:117 Resp: 244525
Ion Ratio Lower Upper
117 100
82 56.3 40.7 61.1
119 33.3 25.0 37.4



#67
Ethyl Benzene
Concen: 2.10 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion: 91 Resp: 20537
Ion Ratio Lower Upper
91 100
106 34.3 25.9 38.9

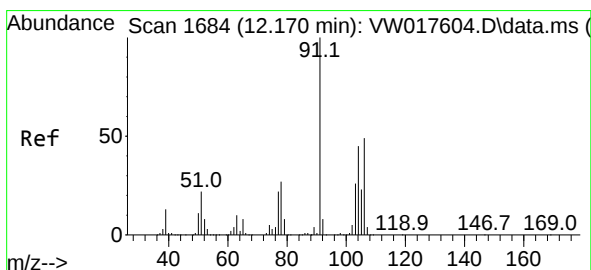
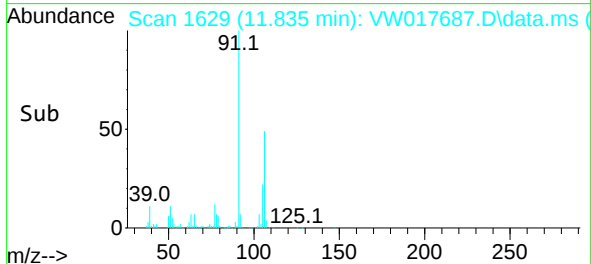
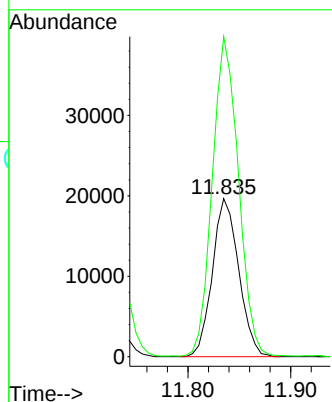
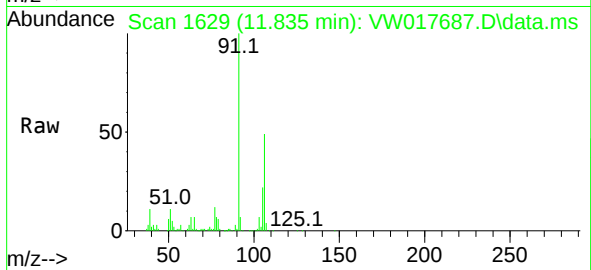




#68
m/p-Xylenes
Concen: 9.39 ug/l
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

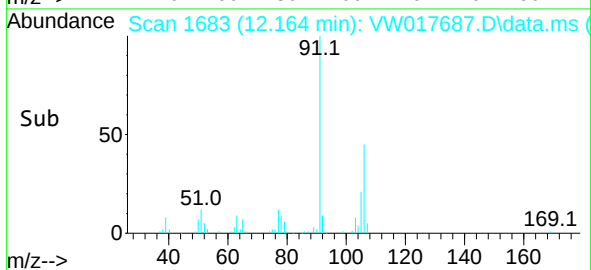
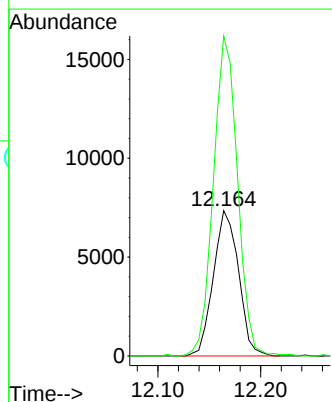
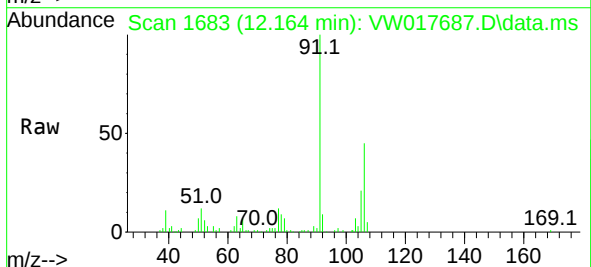
Instrument :
MSVOA_W
ClientSampleId :

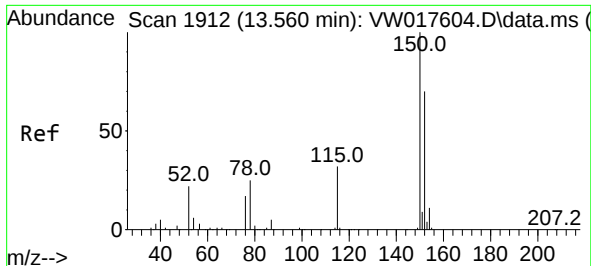
Tgt Ion:106 Resp: 34962
Ion Ratio Lower Upper
106 100
91 200.8 157.4 236.0



#69
o-Xylene
Concen: 3.55 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. -0.006 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

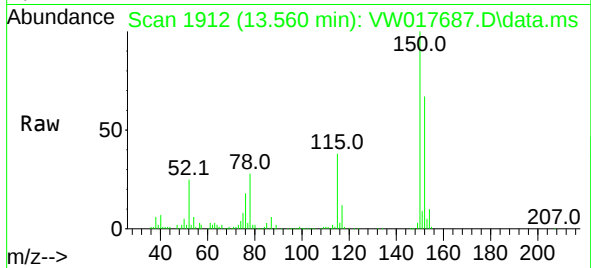
Tgt Ion:106 Resp: 12480
Ion Ratio Lower Upper
106 100
91 211.9 103.6 310.9



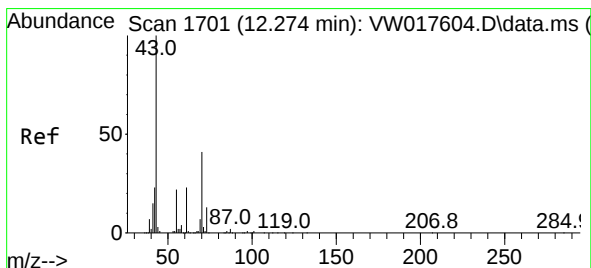
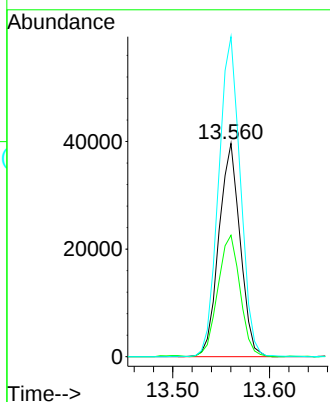
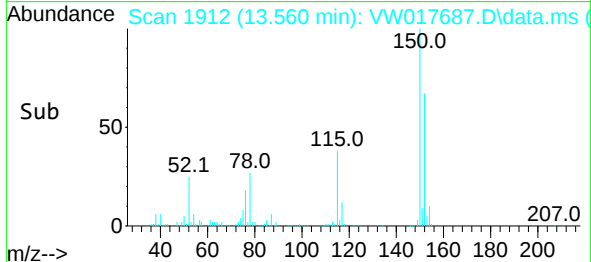


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

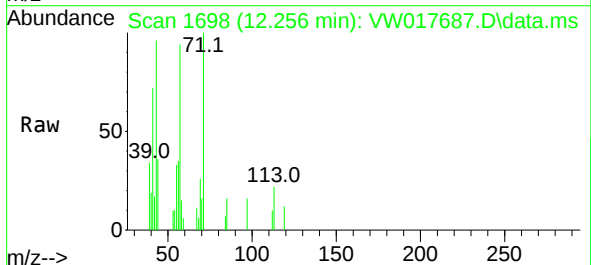
Instrument :
MSVOA_W
ClientSampleId :



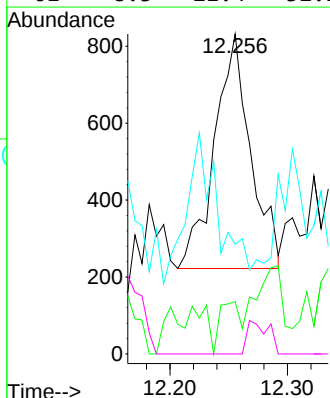
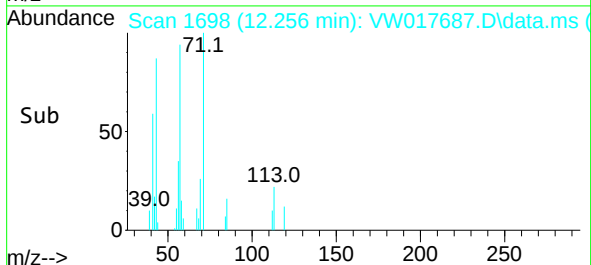
Tgt Ion:152 Resp: 60511
Ion Ratio Lower Upper
152 100
115 59.6 27.9 83.7
150 153.6 0.0 344.0

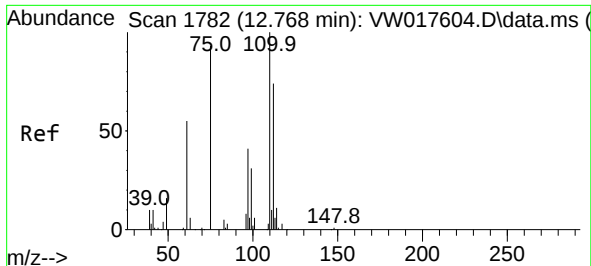


#74
N-ethyl acetate
Concen: 1.30 ug/l
RT: 12.256 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37



Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
70 12.9 40.2 60.4#
55 0.0 21.4 32.0#
61 8.3 21.4 32.2#

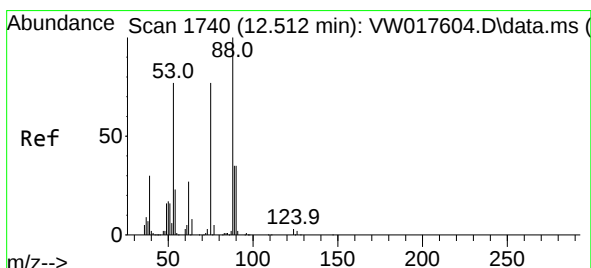
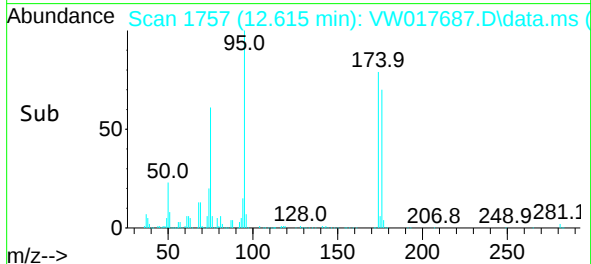
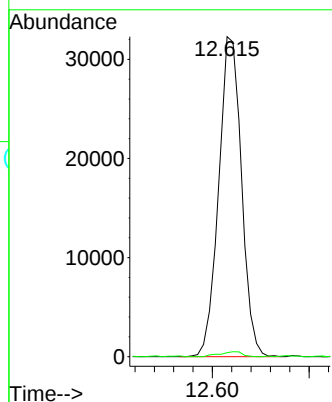
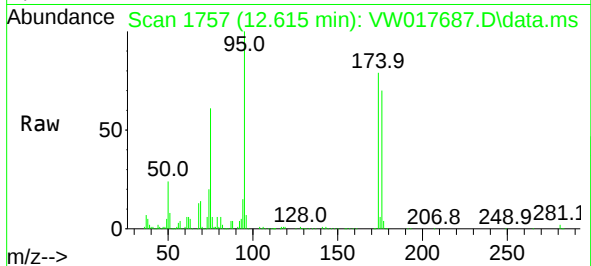




#76
1,2,3-Trichloropropane
Concen: 90.64 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

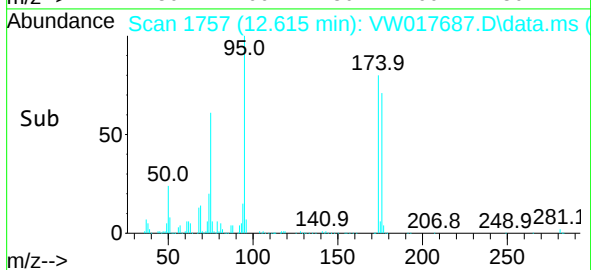
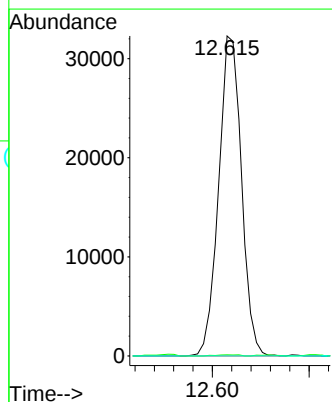
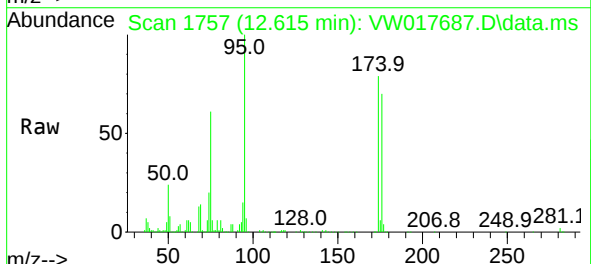
Instrument :
MSVOA_W
ClientSampleId :

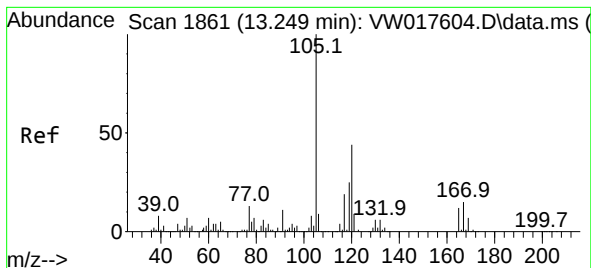
Tgt Ion: 75 Resp: 52795
Ion Ratio Lower Upper
75 100
77 1.6 178.8 536.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 183.64 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion: 75 Resp: 52795
Ion Ratio Lower Upper
75 100
53 0.4 77.0 115.4#
89 0.0 38.7 58.1#

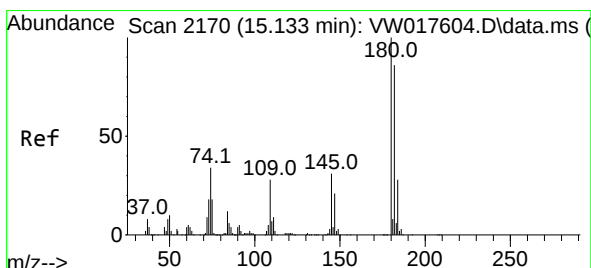
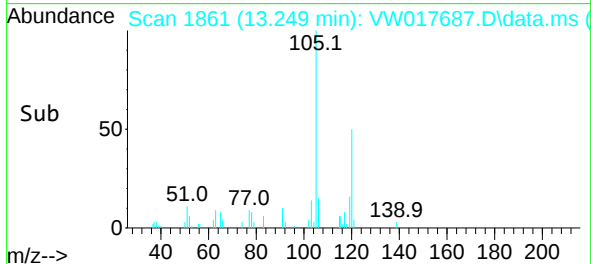
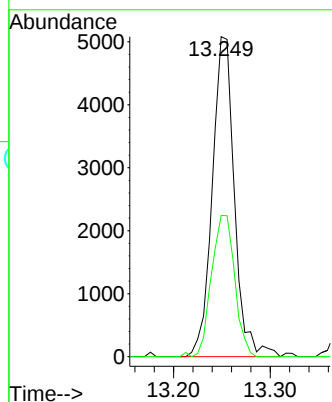
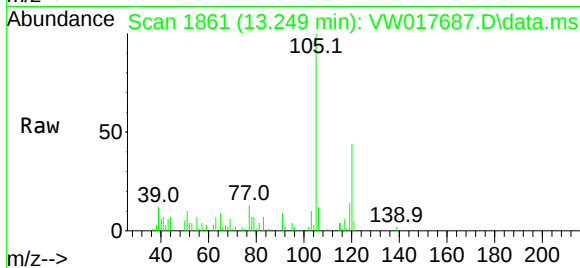




#84
1,2,4-Trimethylbenzene
Concen: 2.02 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

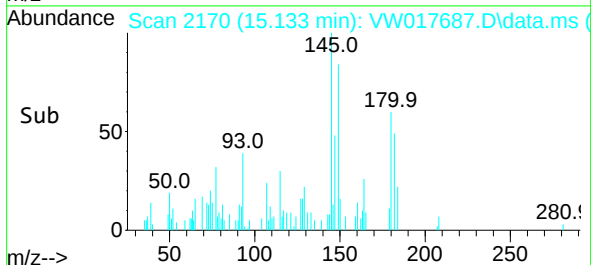
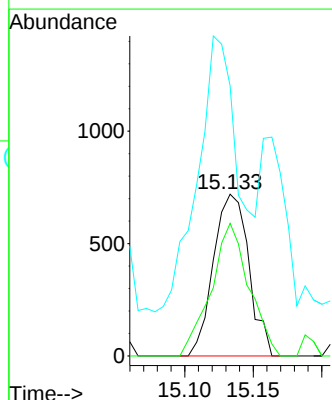
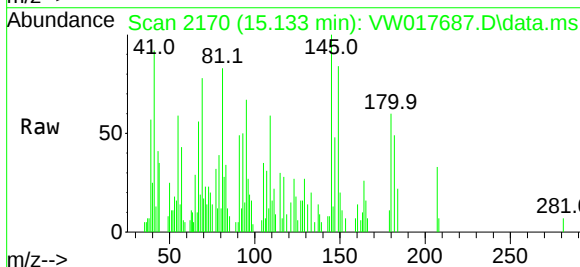
Instrument :
MSVOA_W
ClientSampled :

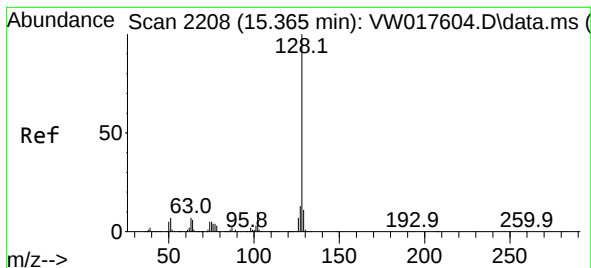
Tgt Ion:105 Resp: 8075
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.0



#93
1,2,4-Trichlorobenzene
Concen: 1.11 ug/l
RT: 15.133 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion:180 Resp: 1290
Ion Ratio Lower Upper
180 100
182 88.0 48.3 144.9
145 264.7 14.9 44.5#

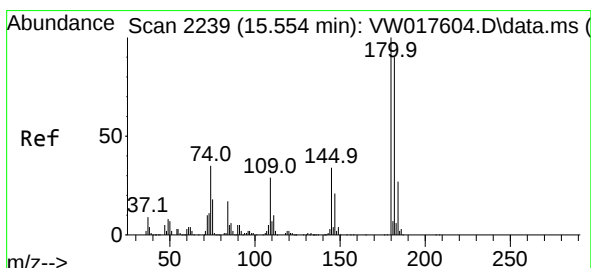
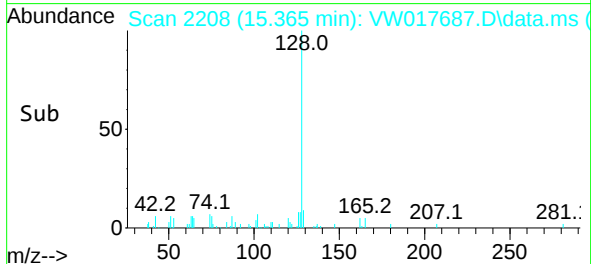
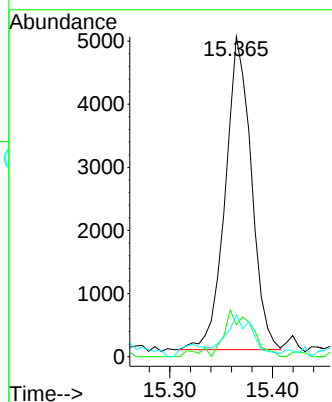
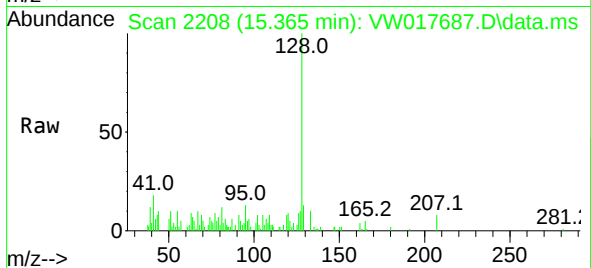




#95
Naphthalene
Concen: 3.67 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 8727
Ion Ratio Lower Upper
128 100
127 16.0 10.4 15.6#
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.20 ug/l
RT: 15.554 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VW017687.D
Acq: 21 Dec 2020 12:37

Tgt Ion:180 Resp: 1204
Ion Ratio Lower Upper
180 100
182 89.8 49.4 148.2
145 284.7 16.3 48.9#

