

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121820\
 Data File : VW017670.D
 Acq On : 18 Dec 2020 12:40
 Operator : SY/VA
 Sample : L5127-01
 Misc : 4.78G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 00:11:05 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)

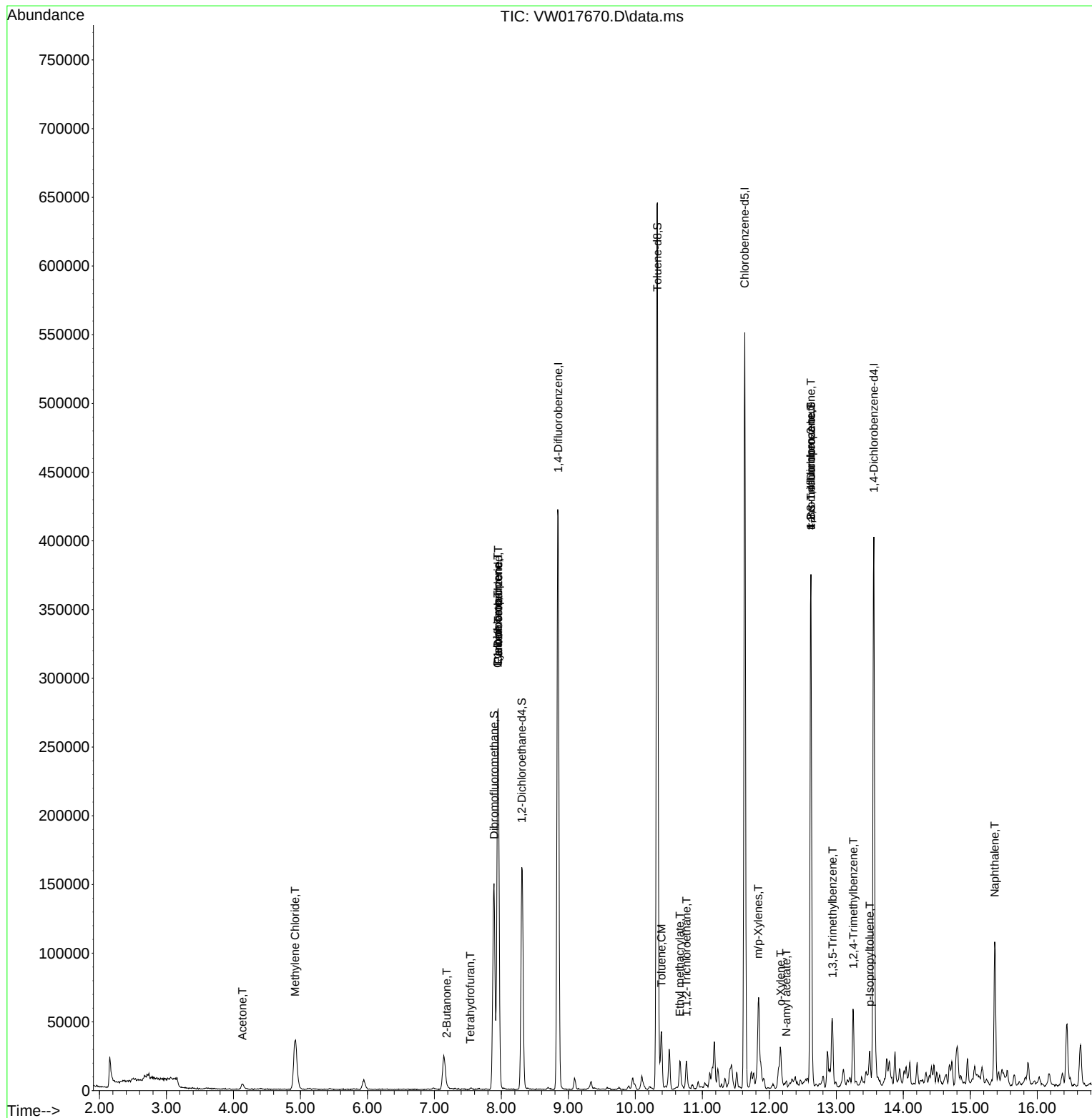
Internal Standards						
1) Pentafluorobenzene	7.951	168	199403	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.848	114	349099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	280728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	93992	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	129335	53.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.50%	
35) Dibromofluoromethane	7.890	113	103690	44.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.76%	
50) Toluene-d8	10.329	98	410198	45.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.22%	
62) 4-Bromofluorobenzene	12.621	95	116787	36.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.74%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.184	59	233	Below Cal	#	82
16) Acetone	4.135	43	7795	14.75	ug/l #	85
20) Methylene Chloride	4.922	84	29129	8.24	ug/l #	79
25) 2-Butanone	7.183	43	1255	1.78	ug/l	99
26) 2,2-Dichloropropane	7.153	77	1825	Below Cal	#	50
29) Tetrahydrofuran	7.537	42	611	1.54	ug/l #	66
31) Cyclohexane	7.945	56	6178	1.47	ug/l #	41
36) 1,1-Dichloropropene	7.945	75	17757	4.86	ug/l #	48
38) Carbon Tetrachloride	7.951	117	21279	5.79	ug/l #	13
52) Toluene	10.390	92	16157	2.55	ug/l	94
55) 1,1,2-Trichloroethane	10.762	97	7068	3.95	ug/l #	21
56) Ethyl methacrylate	10.664	69	2320	1.00	ug/l #	1
68) m/p-Xylenes	11.835	106	11328	2.65	ug/l	90
69) o-Xylene	12.170	106	6022	1.49	ug/l	90
74) N-amyl acetate	12.256	43	1708	1.10	ug/l #	40
76) 1,2,3-Trichloropropane	12.621	75	68842	76.09	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.944	105	14715	2.34	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	68842	154.16	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.255	105	29860	4.82	ug/l	96
86) p-Isopropyltoluene	13.499	119	11038	1.62	ug/l	97
95) Naphthalene	15.365	128	85044	23.05	ug/l	99

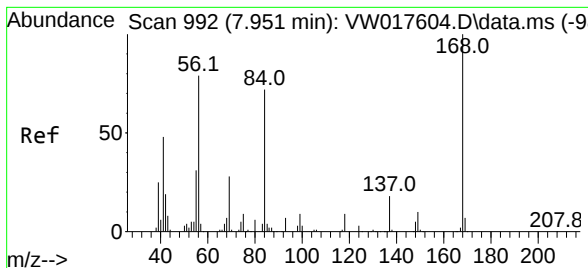
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Dec 19 00:11:05 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

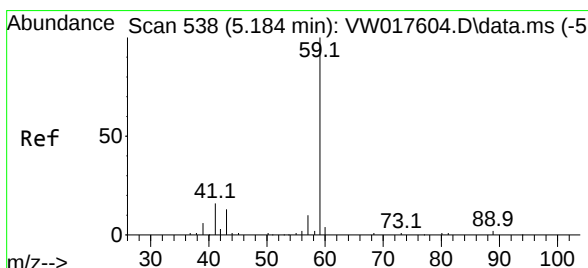
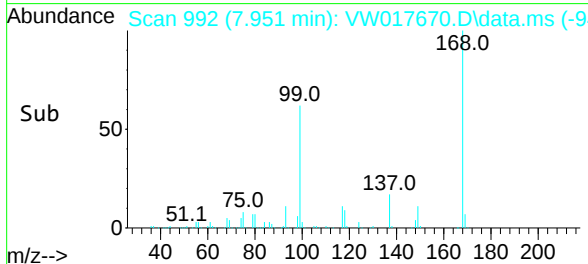
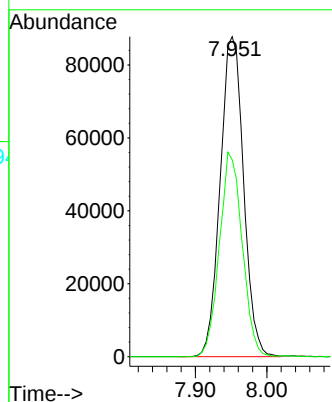
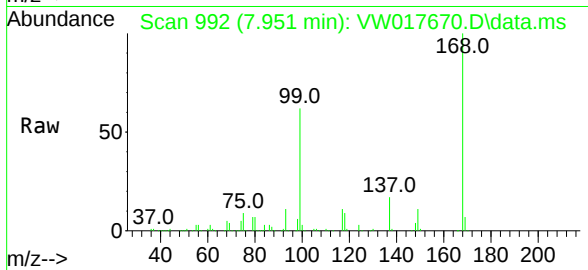




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

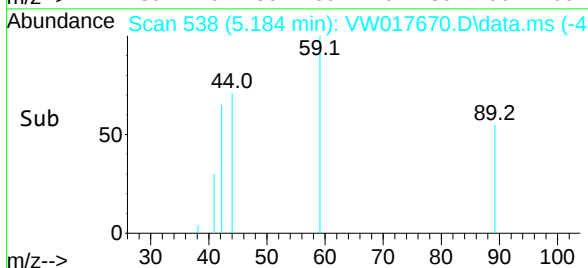
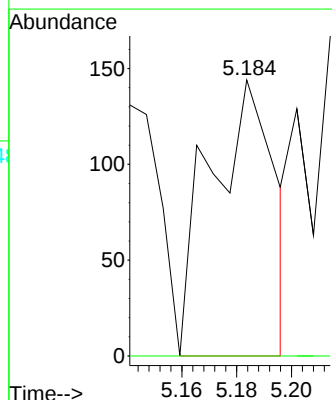
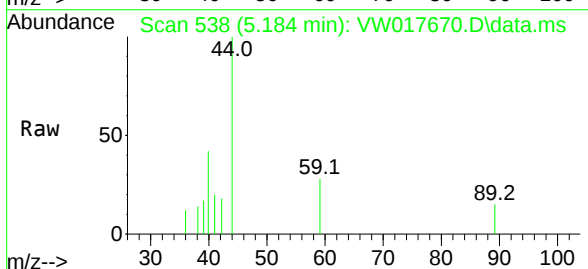
Instrument :
MSVOA_W
ClientSampleId :

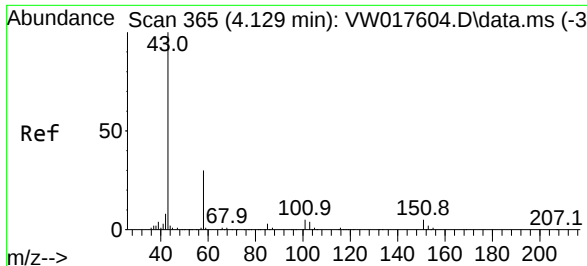
Tgt Ion:168 Resp: 199403
Ion Ratio Lower Upper
168 100
99 61.5 40.7 61.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.184 min Scan# 538
Delta R.T. -0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

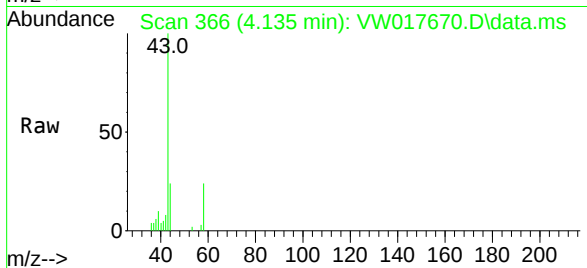
Tgt Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#



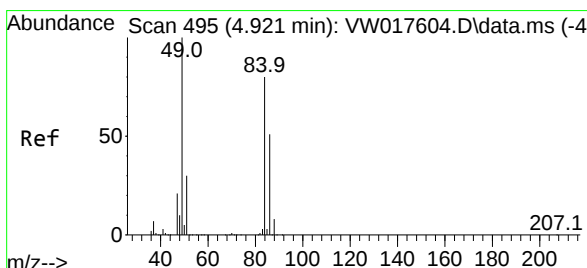
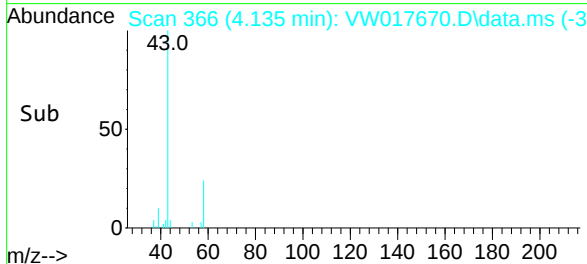
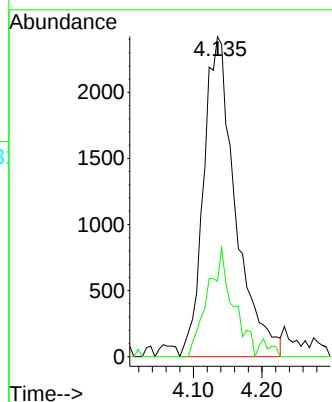


#16
Acetone
Concen: 14.75 ug/l
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Instrument :
MSVOA_W
ClientSampled :

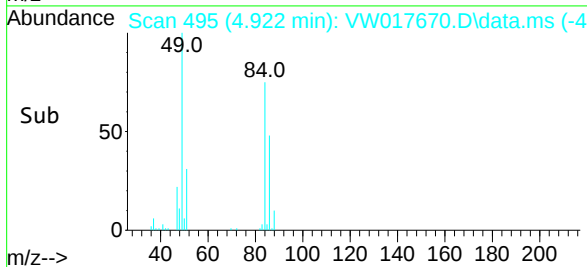
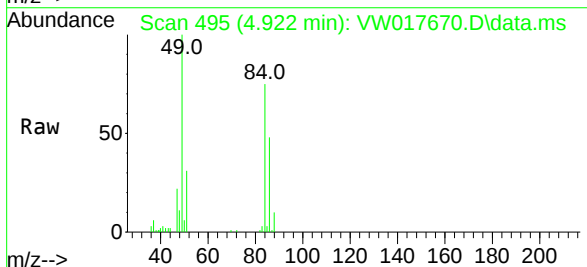
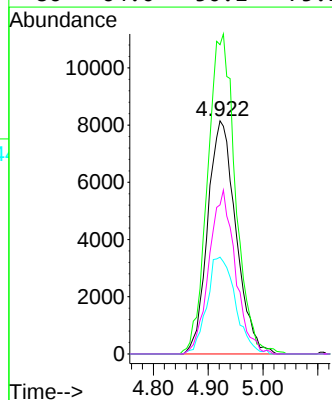


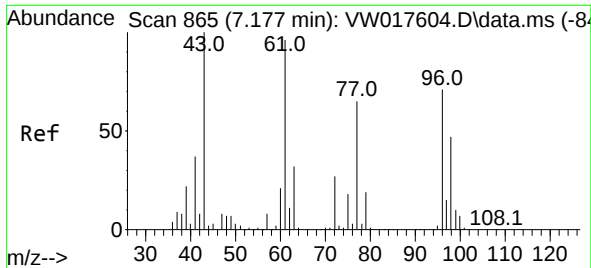
Tgt Ion: 43 Resp: 7795
Ion Ratio Lower Upper
43 100
58 23.5 25.7 38.5#



#20
Methylene Chloride
Concen: 8.24 ug/l
RT: 4.922 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion: 84 Resp: 29129
Ion Ratio Lower Upper
84 100
49 132.7 79.0 118.6#
51 41.5 26.1 39.1#
86 64.0 50.1 75.1

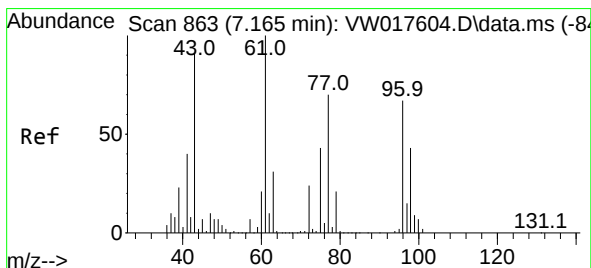
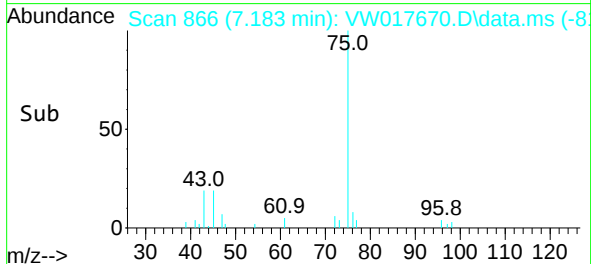
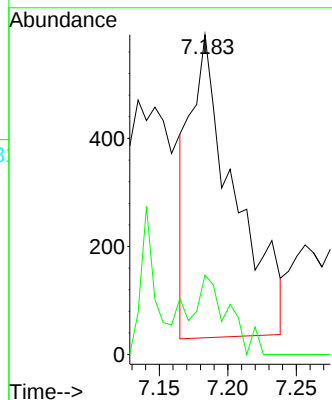
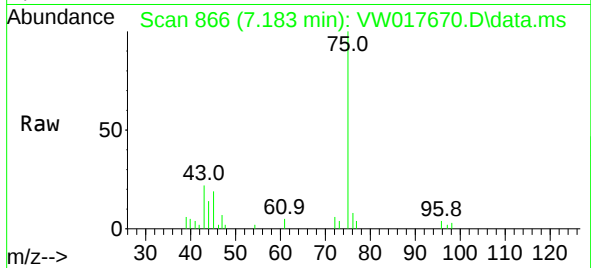




#25
2-Butanone
Concen: 1.78 ug/l
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

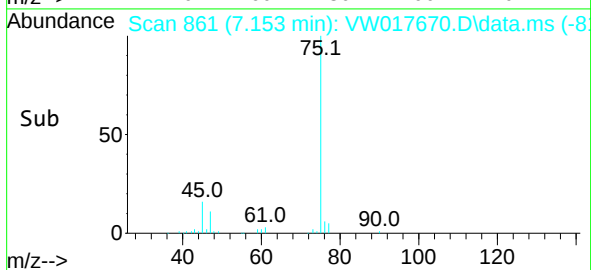
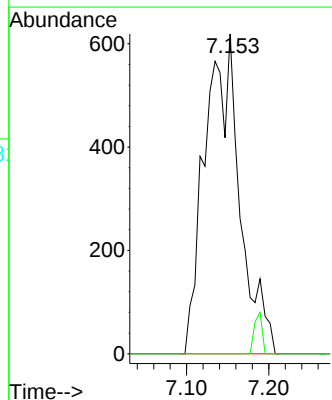
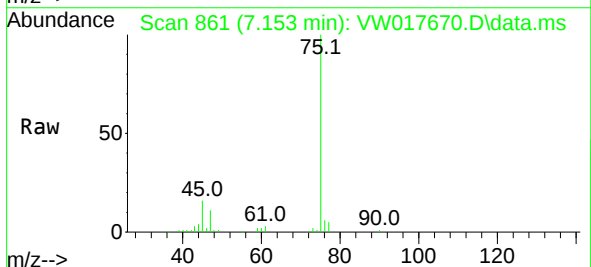
Instrument :
MSVOA_W
ClientSampled :

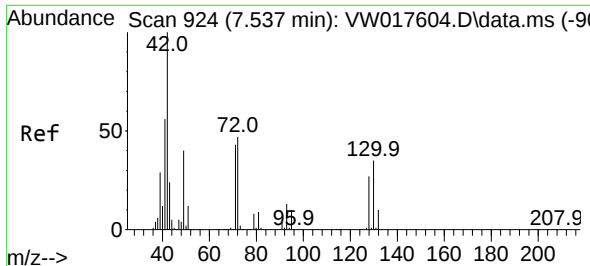
Tgt Ion: 43 Resp: 1255
Ion Ratio Lower Upper
43 100
72 32.6 25.4 38.2



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.153 min Scan# 861
Delta R.T. -0.012 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion: 77 Resp: 1825
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 1.54 ug/l

RT: 7.537 min Scan# 924

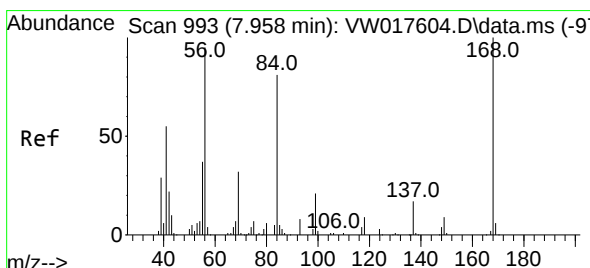
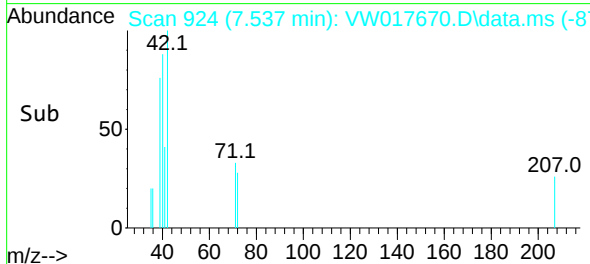
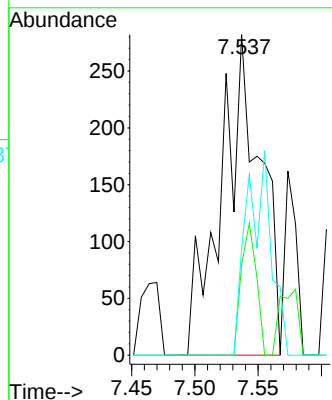
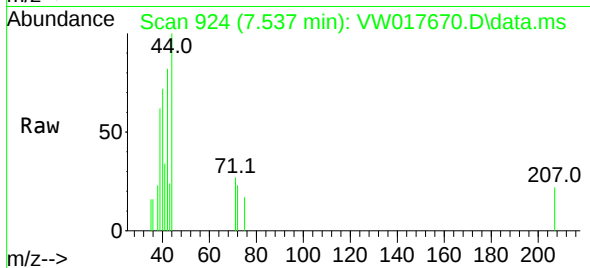
Delta R.T. -0.000 min

Lab File: VW017670.D

Acq: 18 Dec 2020 12:40

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 42	Resp: 611
Ion Ratio	Lower Upper
42	100
72	15.9 42.0 63.0#
71	39.1 39.0 58.6



#31

Cyclohexane

Concen: 1.47 ug/l

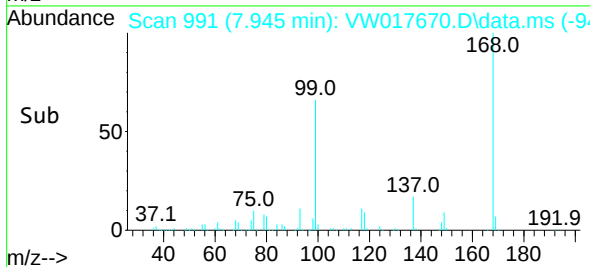
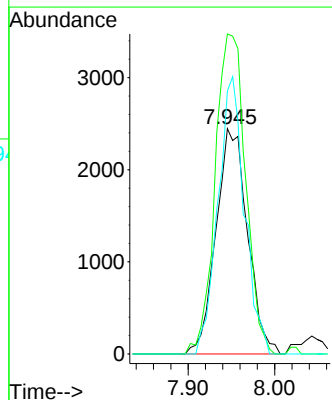
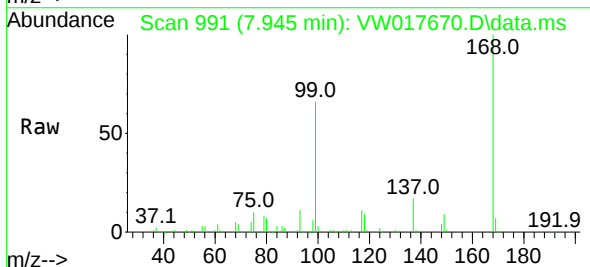
RT: 7.945 min Scan# 991

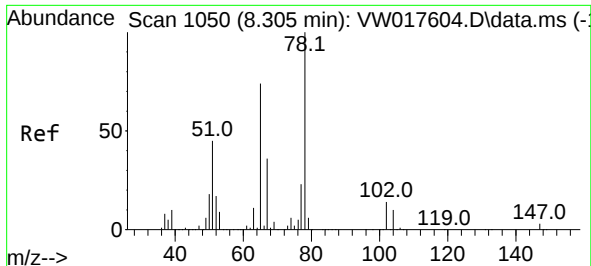
Delta R.T. -0.013 min

Lab File: VW017670.D

Acq: 18 Dec 2020 12:40

Tgt Ion: 56	Resp: 6178
Ion Ratio	Lower Upper
56	100
69	142.1 29.3 43.9#
84	116.8 80.5 120.7

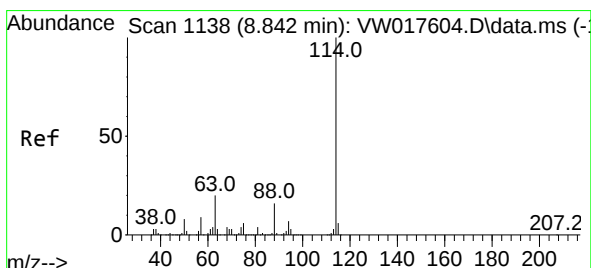
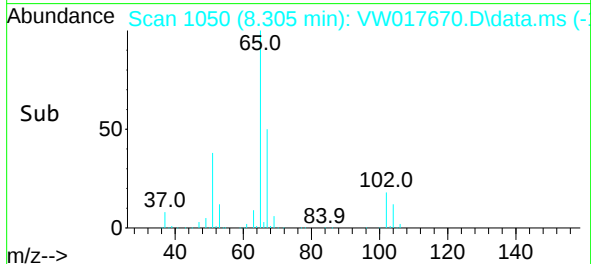
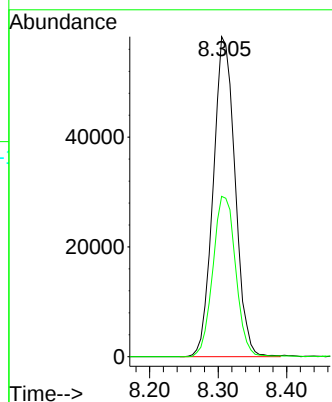
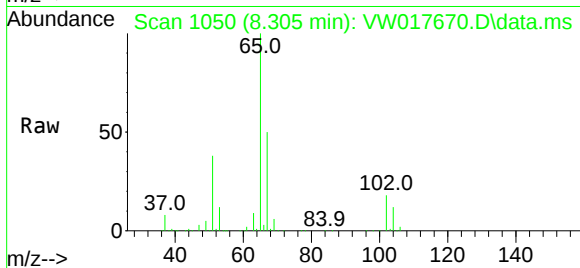




#33
1,2-Dichloroethane-d4
Concen: 53.25 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

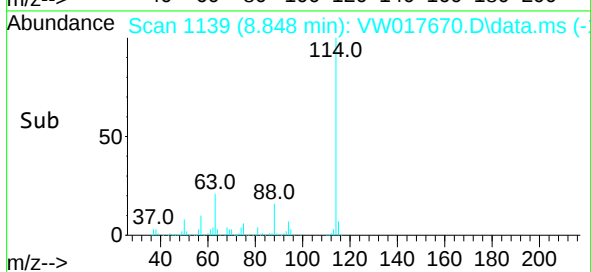
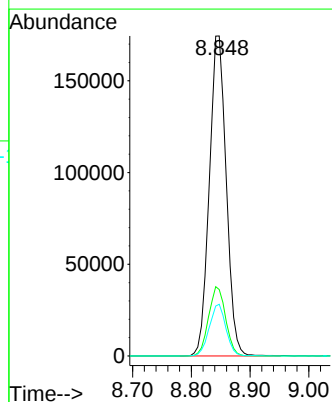
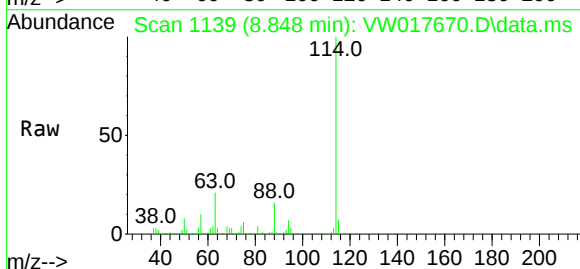
Instrument :
MSVOA_W
ClientSampled :

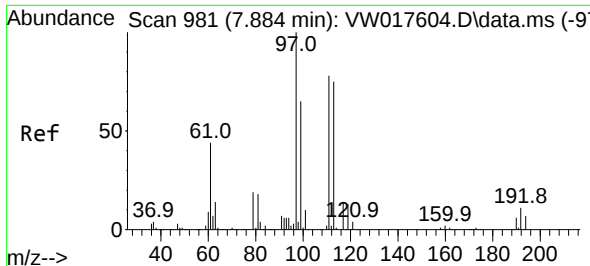
Tgt Ion: 65 Resp: 129335
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.848 min Scan# 1139
Delta R.T. 0.006 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion: 114 Resp: 349099
Ion Ratio Lower Upper
114 100
63 20.8 0.0 35.6
88 16.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 44.88 ug/l

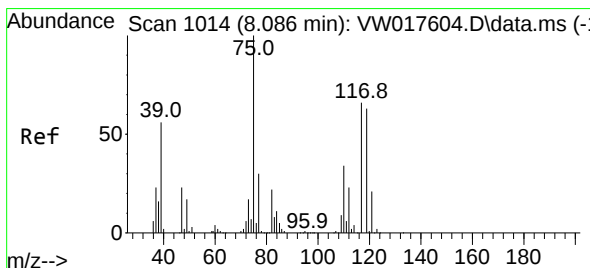
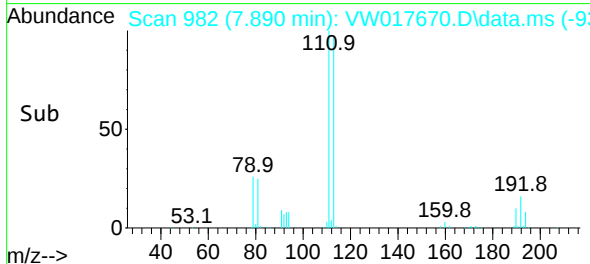
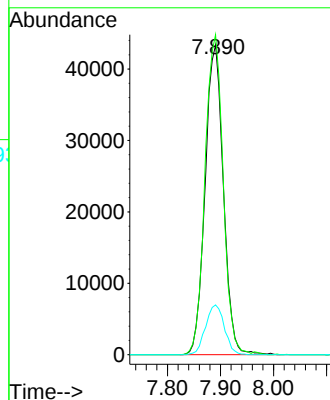
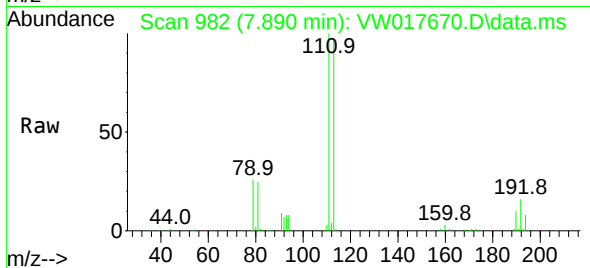
RT: 7.890 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW017670.D

Acq: 18 Dec 2020 12:40

Tgt Ion:	113	Resp:	103690
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.2
192	16.6	17.8	26.8#



#36

1,1-Dichloropropene

Concen: 4.86 ug/l

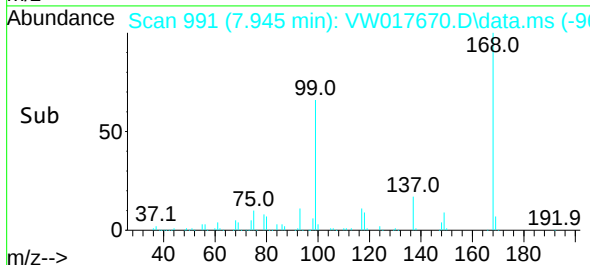
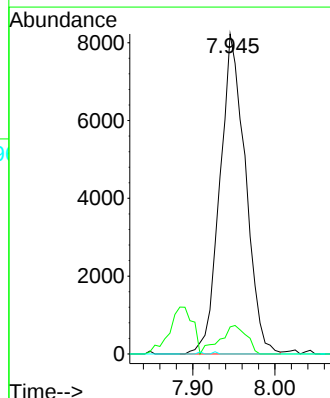
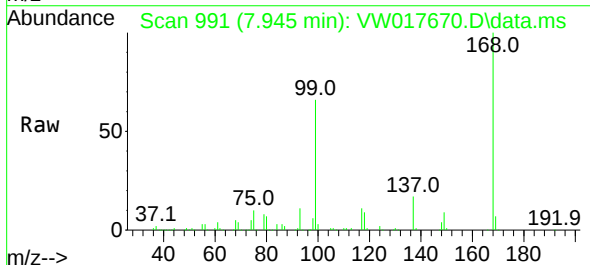
RT: 7.945 min Scan# 991

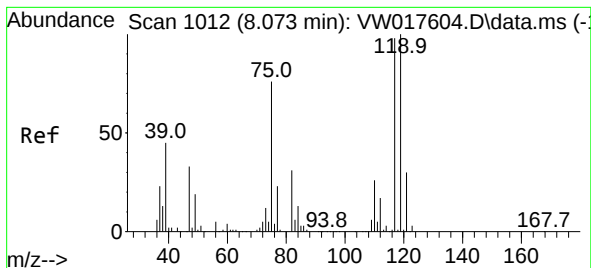
Delta R.T. -0.141 min

Lab File: VW017670.D

Acq: 18 Dec 2020 12:40

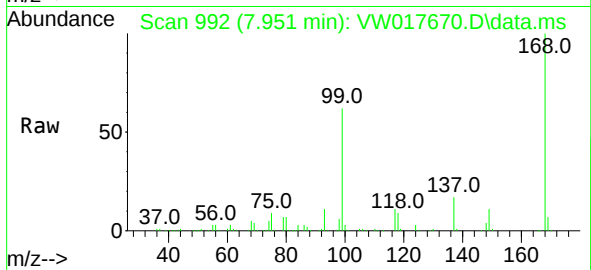
Tgt Ion:	75	Resp:	17757
Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.3	57.9#
77	0.0	25.0	37.6#



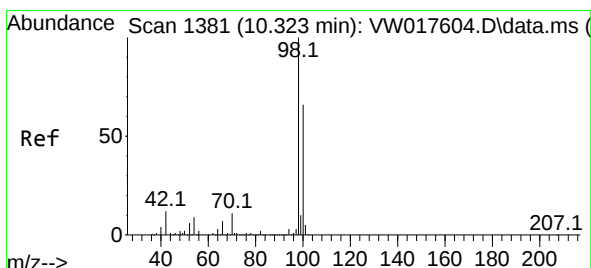
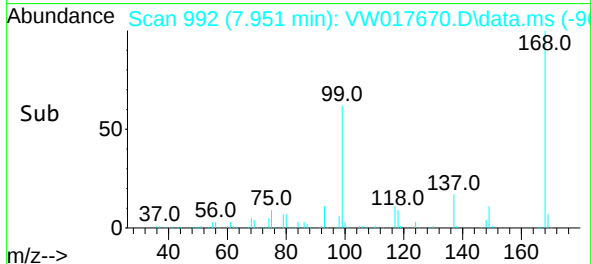
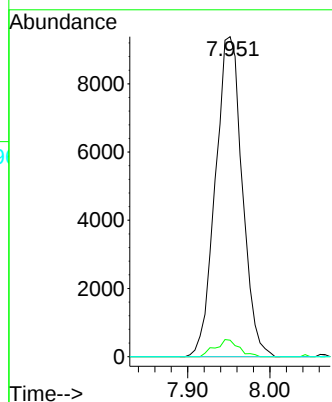


#38
Carbon Tetrachloride
Concen: 5.79 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.122 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Instrument :
MSVOA_W
ClientSampleId :

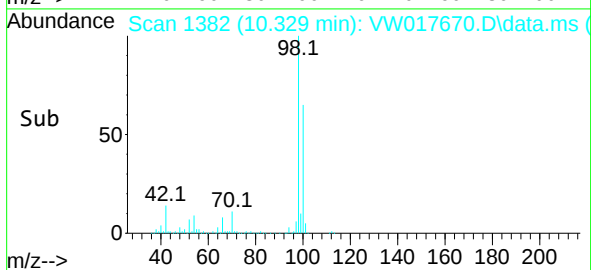
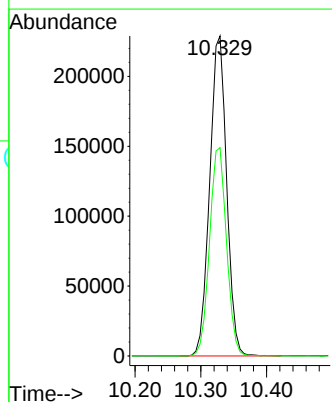
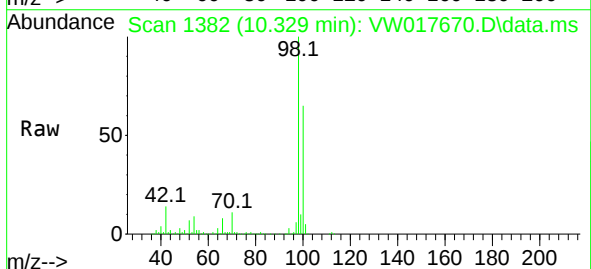


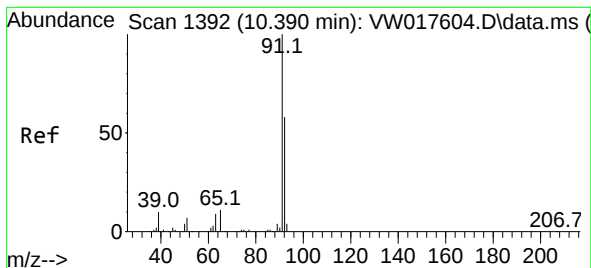
Tgt Ion:117 Resp: 21279
Ion Ratio Lower Upper
117 100
119 5.1 81.6 122.4#
121 0.0 25.7 38.5#



#50
Toluene-d8
Concen: 45.61 ug/l
RT: 10.329 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion: 98 Resp: 410198
Ion Ratio Lower Upper
98 100
100 65.2 53.3 79.9

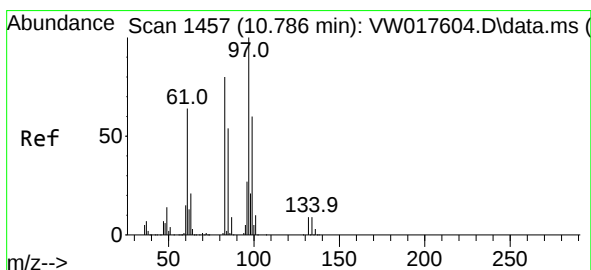
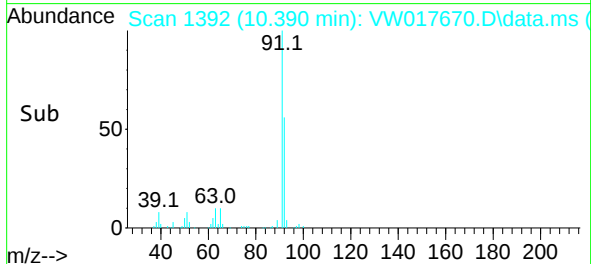
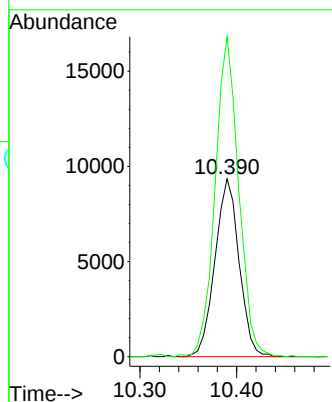
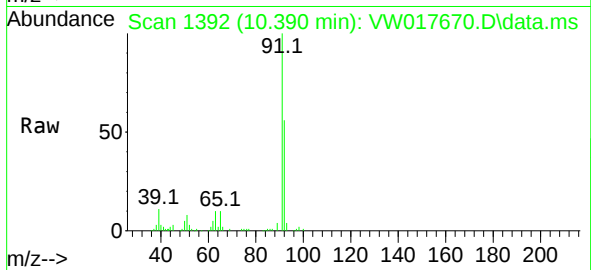




#52
Toluene
Concen: 2.55 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

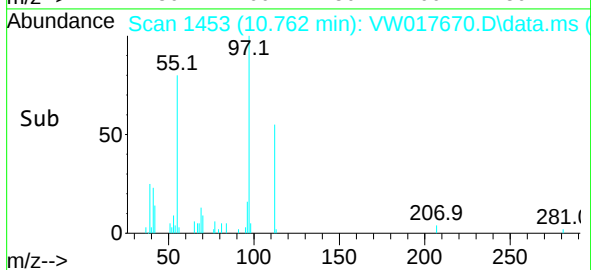
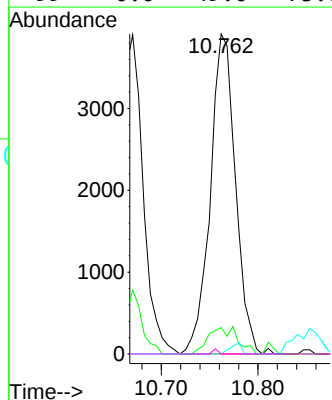
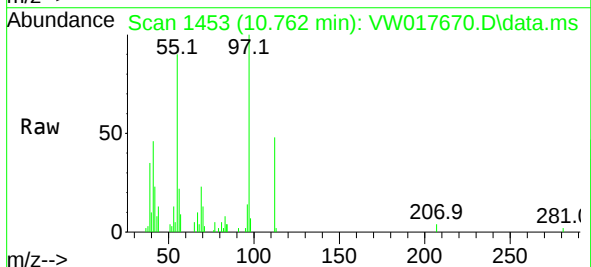
Instrument :
MSVOA_W
ClientSampled :

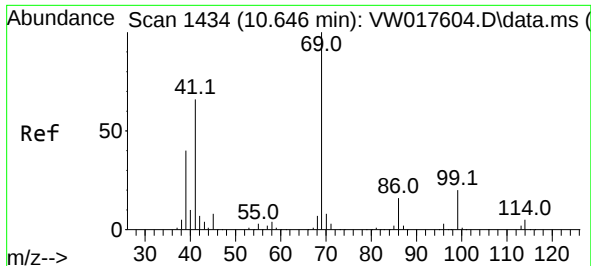
Tgt Ion: 92 Resp: 16157
Ion Ratio Lower Upper
92 100
91 176.2 134.7 202.1



#55
1,1,2-Trichloroethane
Concen: 3.95 ug/l
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion: 97 Resp: 7068
Ion Ratio Lower Upper
97 100
83 8.2 64.6 97.0#
85 0.0 40.6 61.0#
99 0.0 49.0 73.6#

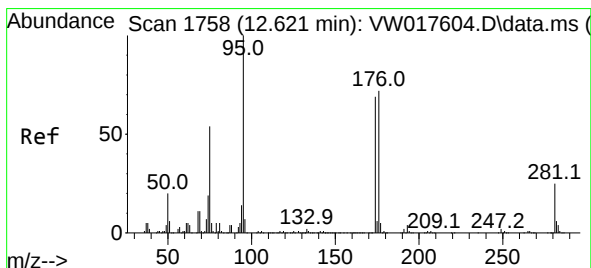
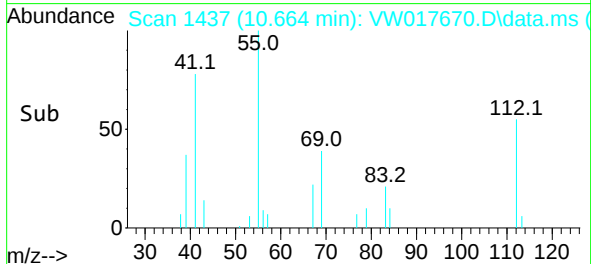
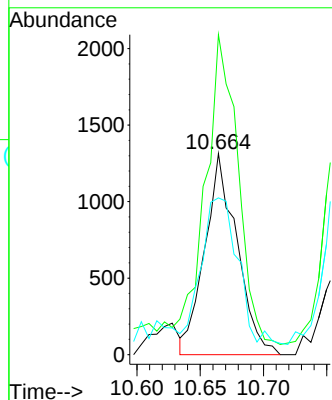
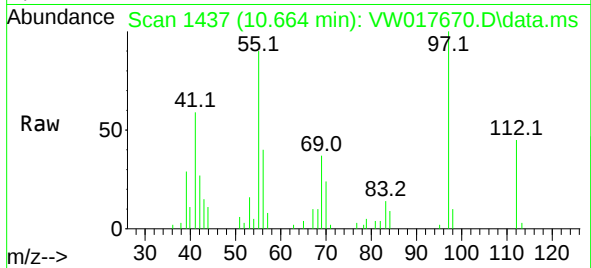




#56
Ethyl methacrylate
Concen: 1.00 ug/l
RT: 10.664 min Scan# 1437
Delta R.T. 0.018 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

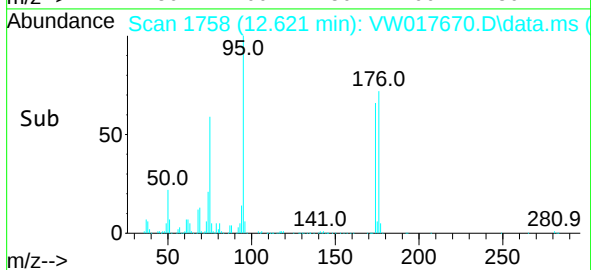
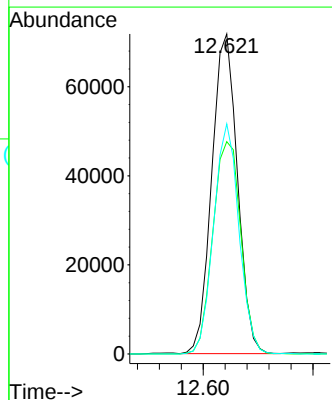
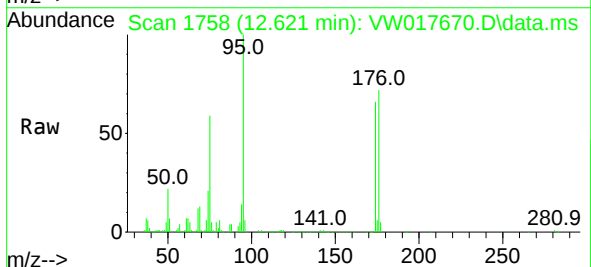
Instrument :
MSVOA_W
ClientSampleId :

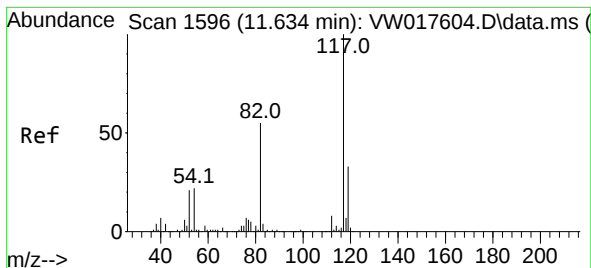
Tgt Ion: 69 Resp: 2320
Ion Ratio Lower Upper
69 100
41 156.8 46.3 69.5#
39 82.7 25.9 38.9#



#62
4-Bromofluorobenzene
Concen: 36.37 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion: 95 Resp: 116787
Ion Ratio Lower Upper
95 100
174 72.2 0.0 180.6
176 71.2 0.0 177.6

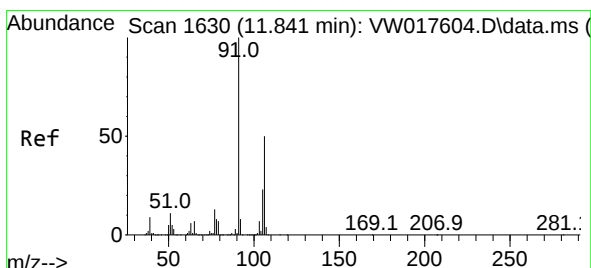
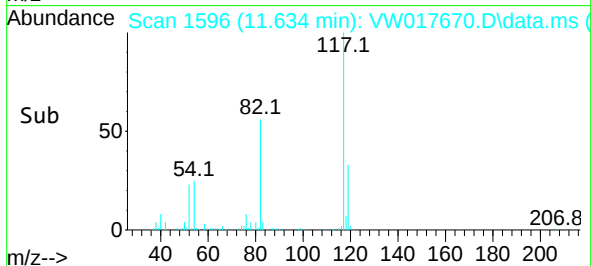
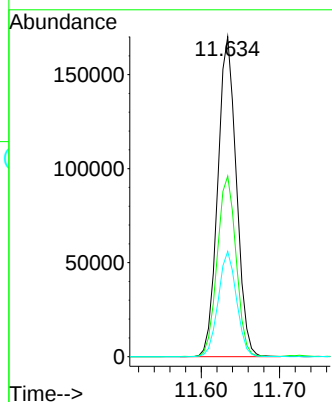
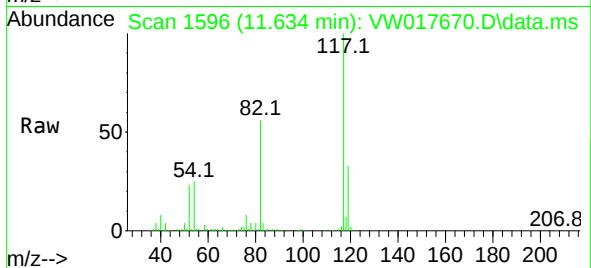




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

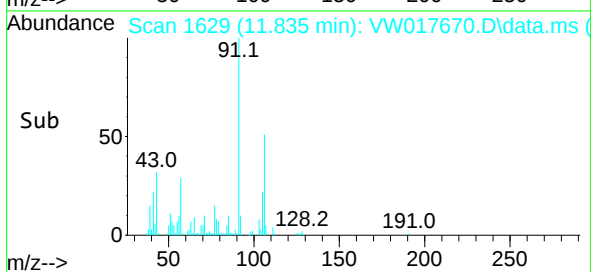
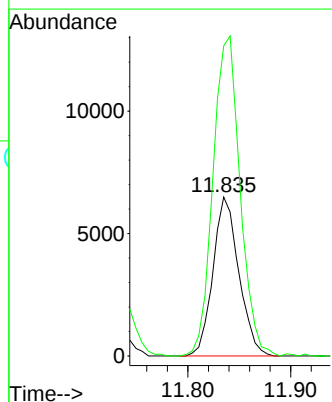
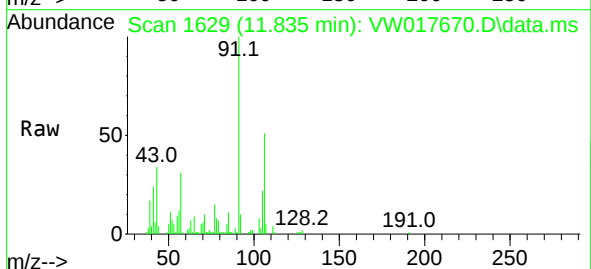
Instrument :
MSVOA_W
ClientSampleId :

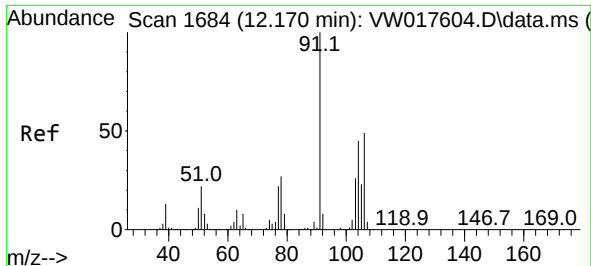
Tgt Ion:117 Resp: 280728
Ion Ratio Lower Upper
117 100
82 56.4 40.7 61.1
119 32.9 25.0 37.4



#68
m/p-Xylenes
Concen: 2.65 ug/l
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion:106 Resp: 11328
Ion Ratio Lower Upper
106 100
91 211.0 157.4 236.0

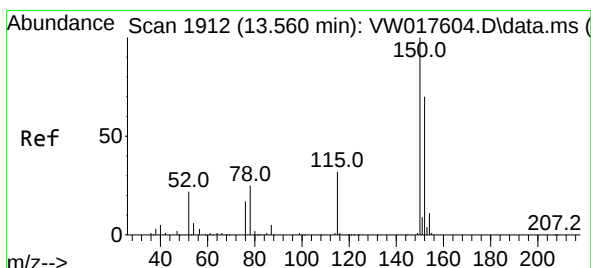
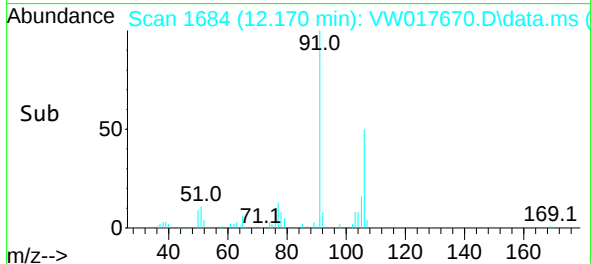
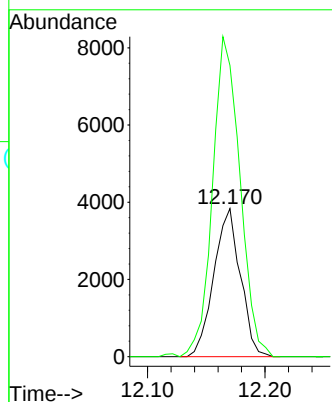
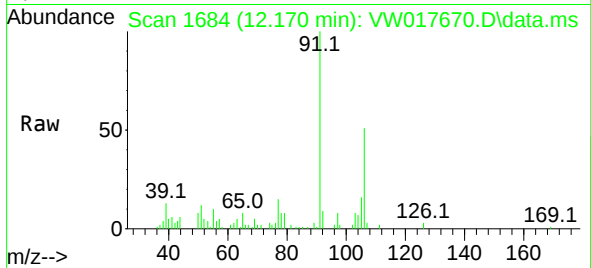




#69
o-Xylene
Concen: 1.49 ug/l
RT: 12.170 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

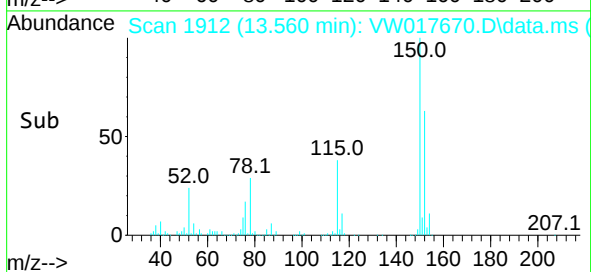
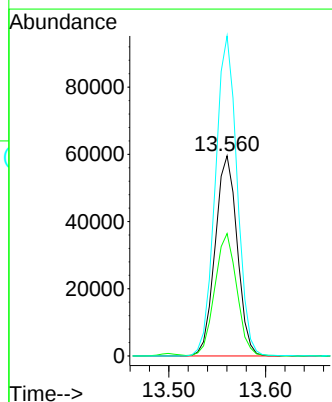
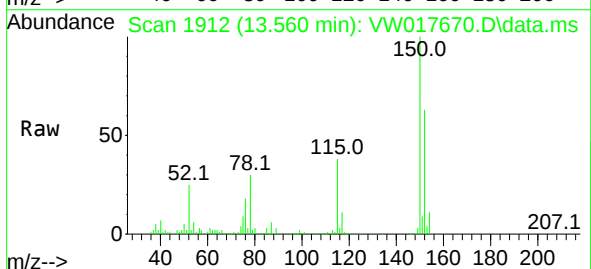
Instrument :
MSVOA_W
ClientSampleId :

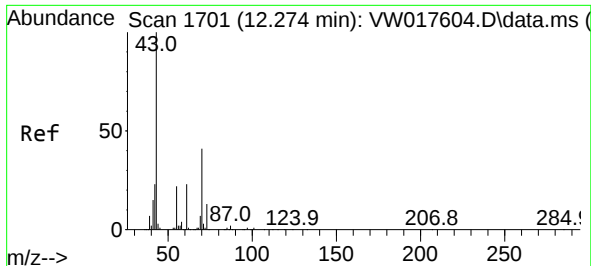
Tgt Ion:106 Resp: 6022
Ion Ratio Lower Upper
106 100
91 223.6 103.6 310.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

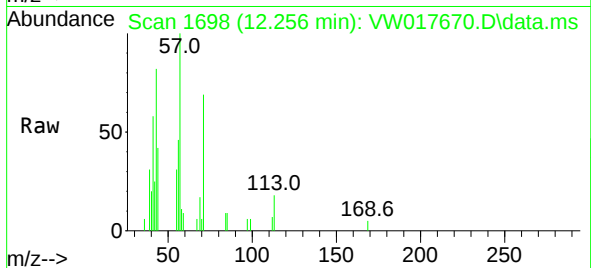
Tgt Ion:152 Resp: 93992
Ion Ratio Lower Upper
152 100
115 61.4 27.9 83.7
150 158.2 0.0 344.0



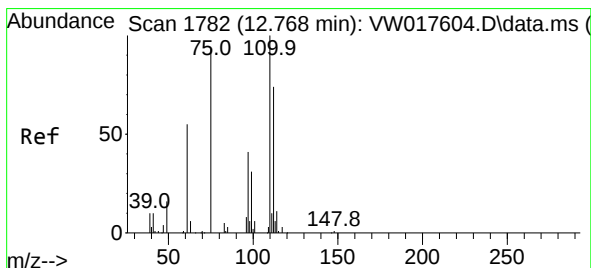
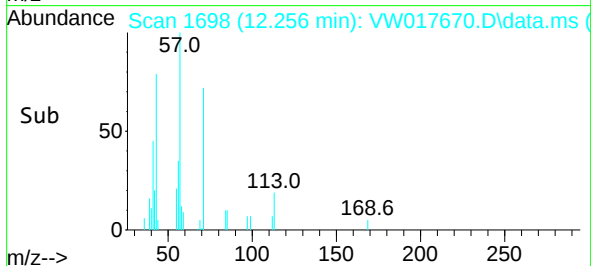
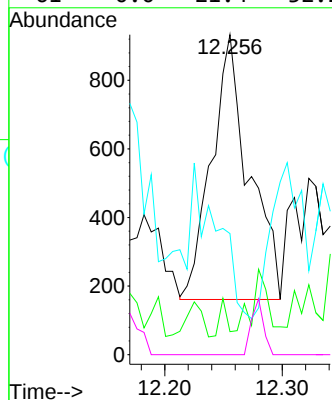


#74
N-amy1 acetate
Concen: 1.10 ug/l
RT: 12.256 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Instrument :
MSVOA_W
ClientSampleId :

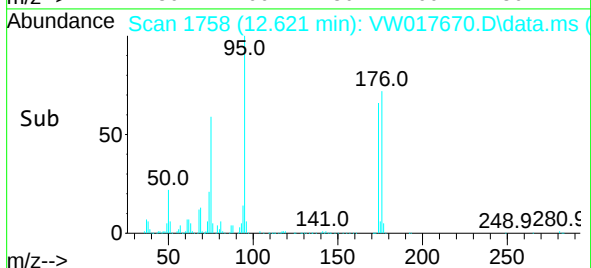
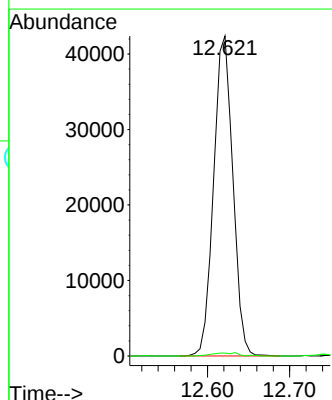
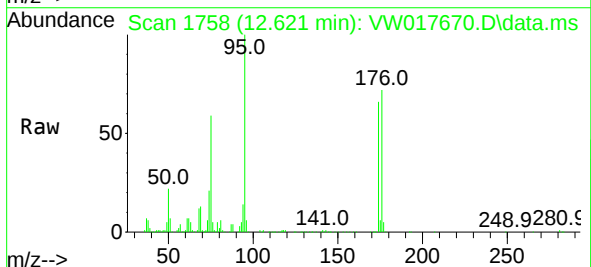


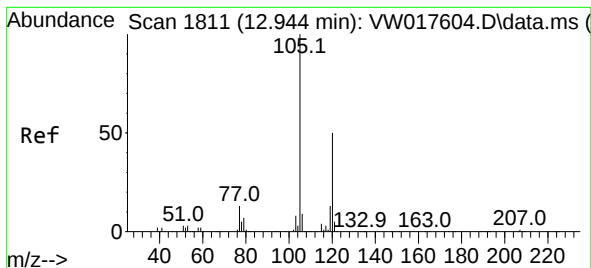
Tgt Ion:	43	Resp:	1708
Ion	Ratio	Lower	Upper
43	100		
70	3.2	40.2	60.4#
55	0.0	21.4	32.0#
61	0.0	21.4	32.2#



#76
1,2,3-Trichloropropane
Concen: 76.09 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion:	75	Resp:	68842
Ion	Ratio	Lower	Upper
75	100		
77	1.3	178.8	536.3#

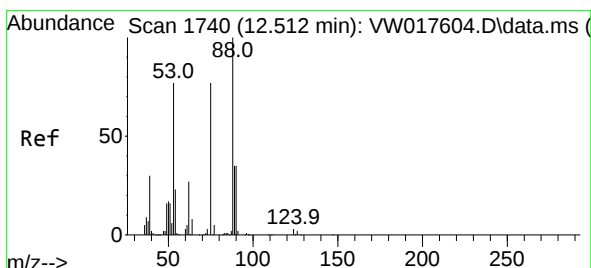
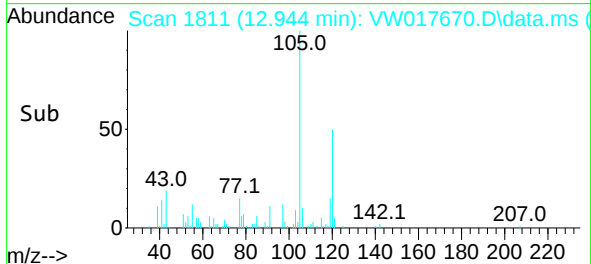
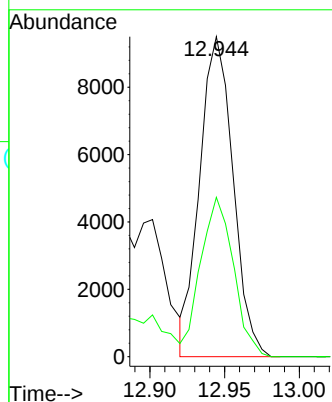
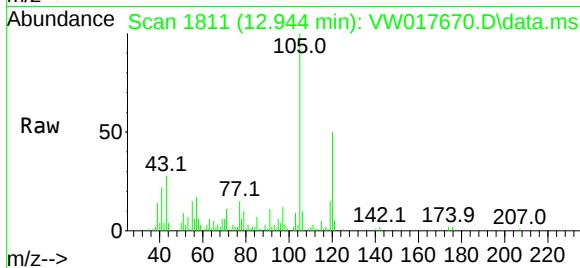




#80
1,3,5-Trimethylbenzene
Concen: 2.34 ug/l
RT: 12.944 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

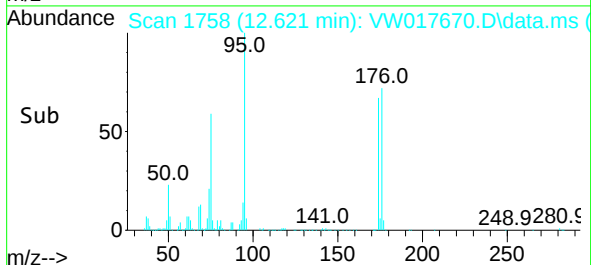
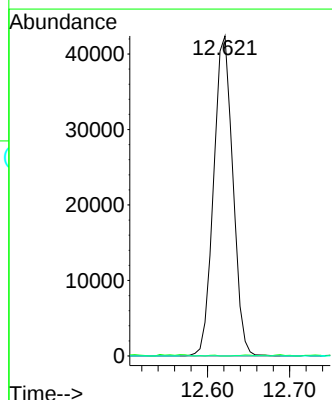
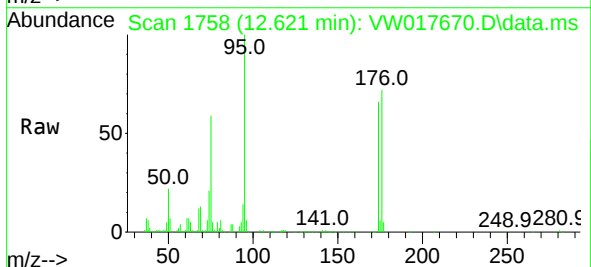
Instrument :
MSVOA_W
ClientSampleId :

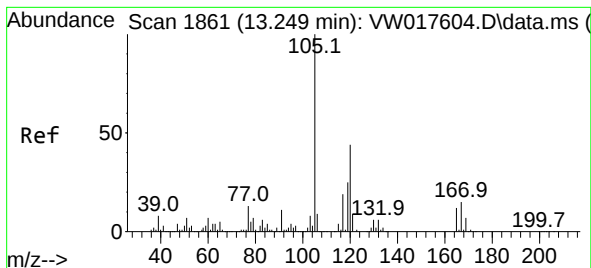
Tgt Ion:105 Resp: 14715
Ion Ratio Lower Upper
105 100
120 49.1 24.9 74.8



#81
trans-1,4-Dichloro-2-butene
Concen: 154.16 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.109 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion: 75 Resp: 68842
Ion Ratio Lower Upper
75 100
53 0.1 77.0 115.4#
89 0.0 38.7 58.1#

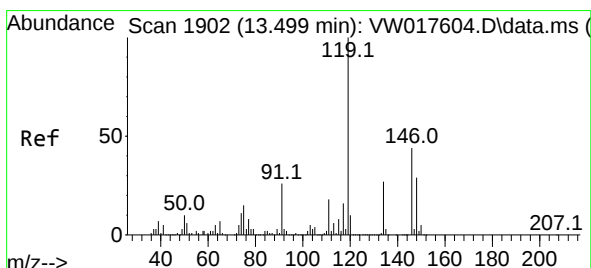
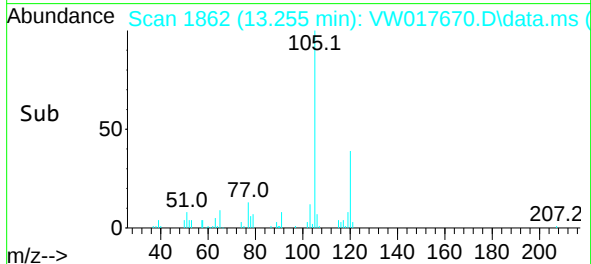
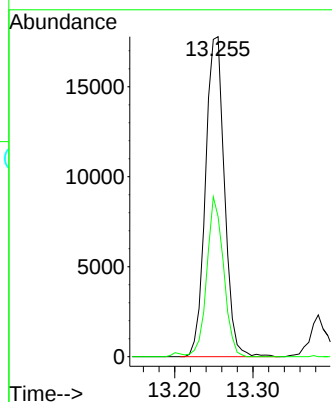
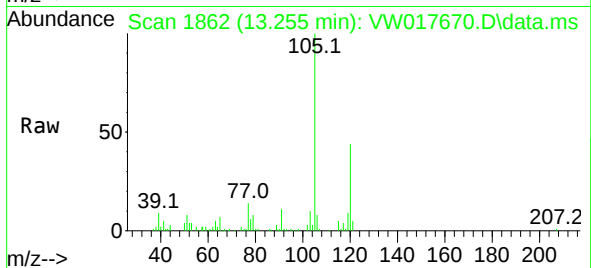




#84
1,2,4-Trimethylbenzene
Concen: 4.82 ug/l
RT: 13.255 min Scan# 1862
Delta R.T. 0.006 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

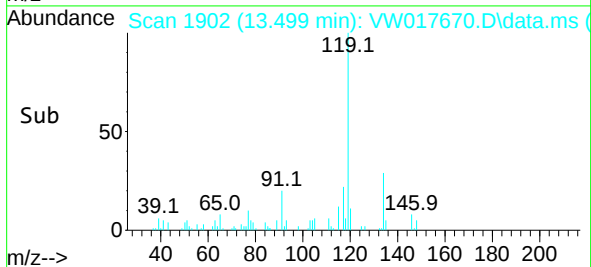
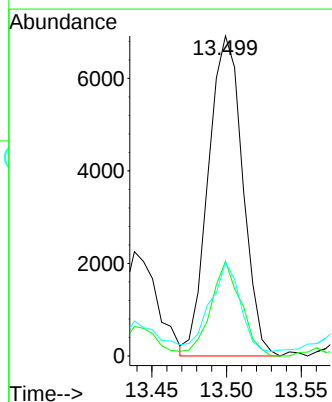
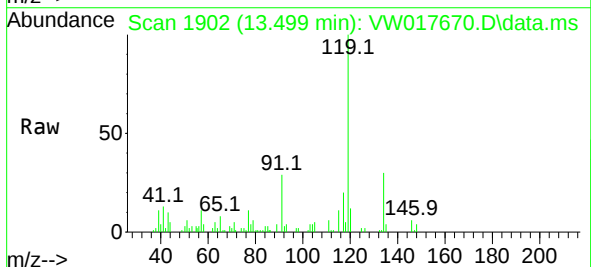
Instrument :
MSVOA_W
ClientSampleId :

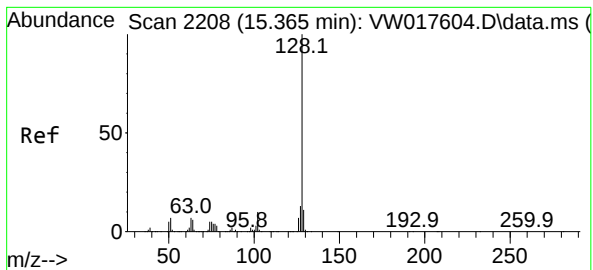
Tgt Ion:105 Resp: 29860
Ion Ratio Lower Upper
105 100
120 43.9 23.4 70.0



#86
p-Isopropyltoluene
Concen: 1.62 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Tgt Ion:119 Resp: 11038
Ion Ratio Lower Upper
119 100
134 26.0 13.8 41.3
91 24.3 11.3 33.9





#95
Naphthalene
Concen: 23.05 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017670.D
Acq: 18 Dec 2020 12:40

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:	128	Resp:	85044
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	11.0	8.6	12.8

