

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121820\
 Data File : VW017677.D
 Acq On : 18 Dec 2020 15:37
 Operator : SY/VA
 Sample : L5127-01RE
 Misc : 5.42G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 00:13:08 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)

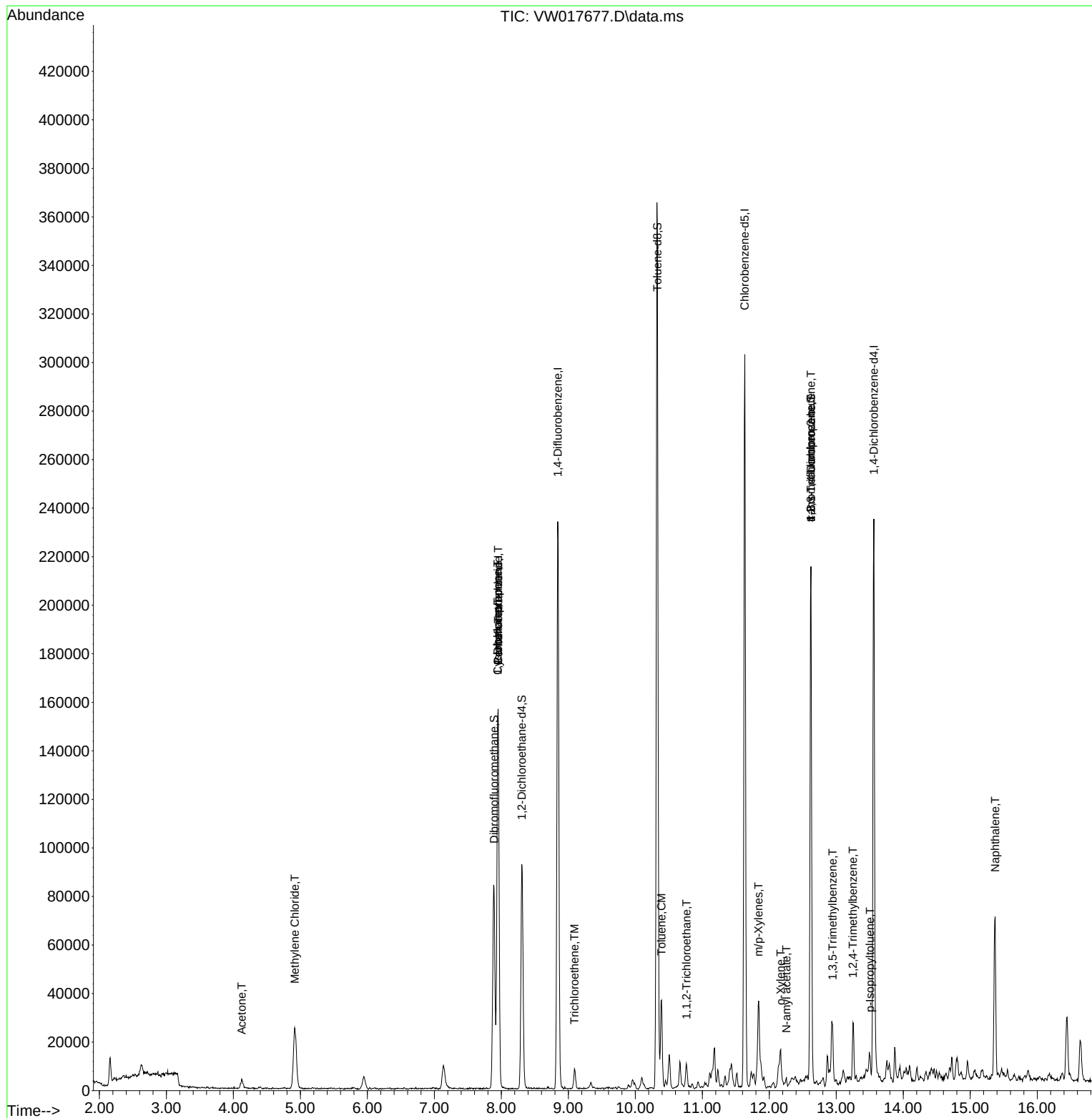
Internal Standards						
1) Pentafluorobenzene	7.952	168	110239	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.842	114	189898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	156202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	55667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	73752	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
35) Dibromofluoromethane	7.891	113	56116	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	
50) Toluene-d8	10.329	98	230969	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	12.621	95	66752	38.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.42%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.172	59	181	Below Cal	#	82
16) Acetone	4.123	43	6006	20.56	ug/l	# 86
20) Methylene Chloride	4.915	84	17925	9.90	ug/l	# 83
26) 2,2-Dichloropropane	7.116	77	239	Below Cal	#	50
31) Cyclohexane	7.945	56	3313	1.43	ug/l	# 55
36) 1,1-Dichloropropene	7.945	75	10693	5.38	ug/l	# 48
38) Carbon Tetrachloride	7.952	117	11777	5.89	ug/l	# 14
44) Trichloroethene	9.092	130	2637	1.82	ug/l	68
52) Toluene	10.390	92	14540	4.22	ug/l	97
55) 1,1,2-Trichloroethane	10.762	97	3612	3.71	ug/l	# 20
68) m/p-Xylenes	11.841	106	6617	2.78	ug/l	99
69) o-Xylene	12.170	106	2984	1.33	ug/l	85
74) N-amyl acetate	12.256	43	942	1.02	ug/l	# 45
76) 1,2,3-Trichloropropane	12.621	75	38711	72.24	ug/l	# 1
80) 1,3,5-Trimethylbenzene	12.945	105	6634	1.78	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	38711	146.37	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.249	105	13311	3.63	ug/l	100
86) p-Isopropyltoluene	13.505	119	5522	1.37	ug/l	97
95) Naphthalene	15.371	128	56762	25.97	ug/l	99

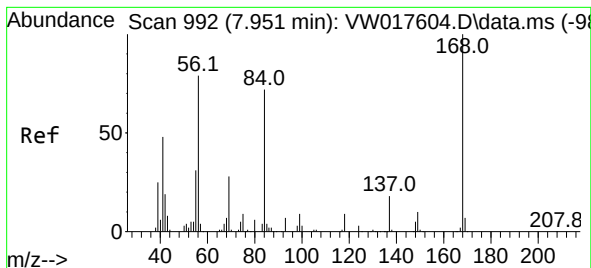
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 14 12:39:23 2020
Response via : Initial Calibration

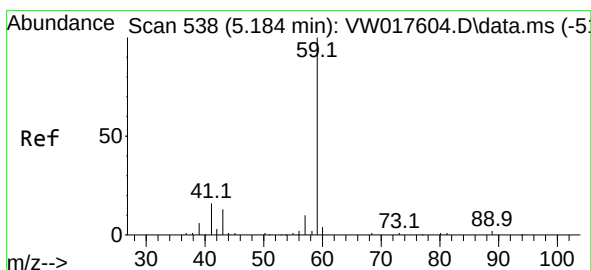
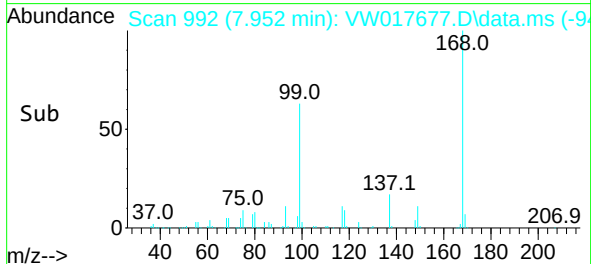
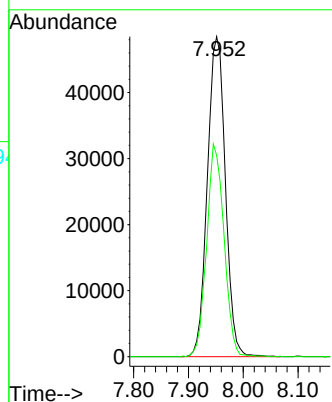
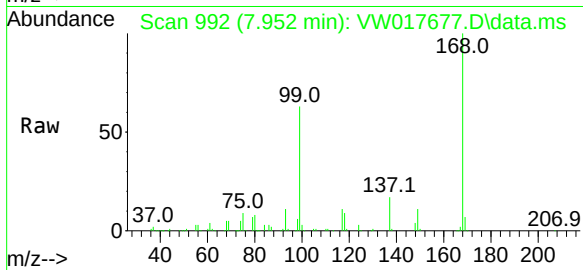




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

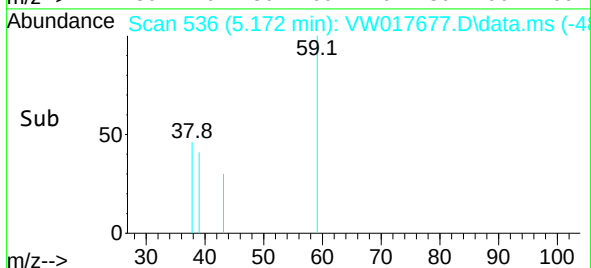
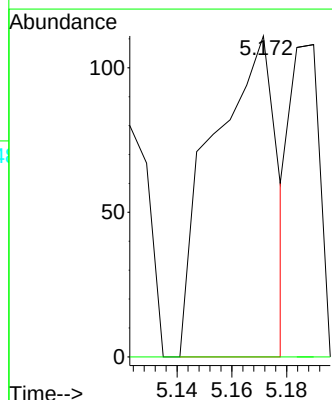
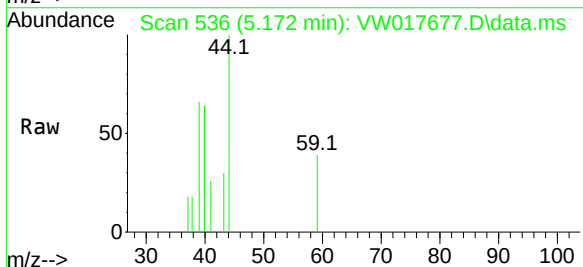
Instrument :
MSVOA_W
ClientSampleId :

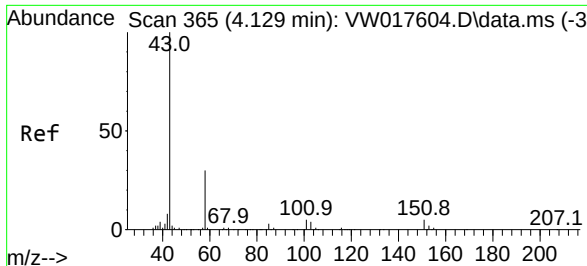
Tgt Ion:168 Resp: 110239
Ion Ratio Lower Upper
168 100
99 62.9 40.7 61.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.172 min Scan# 536
Delta R.T. -0.013 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

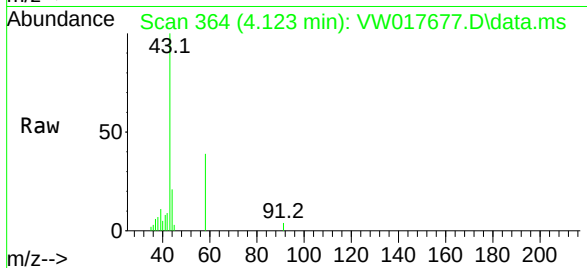
Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#



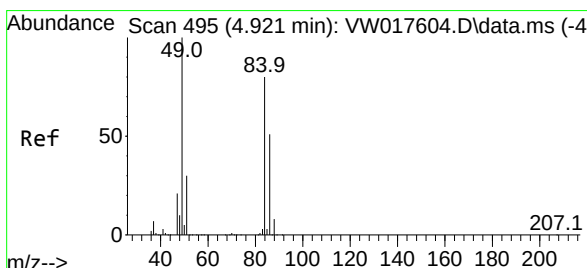
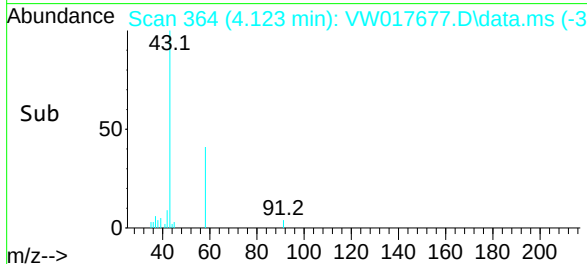
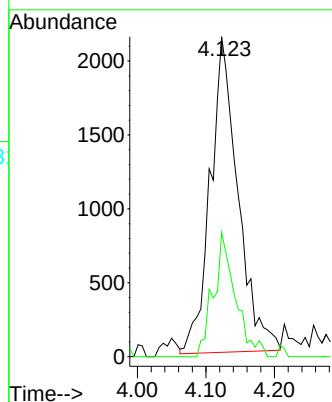


#16
Acetone
Concen: 20.56 ug/l
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Instrument :
MSVOA_W
ClientSampleId :

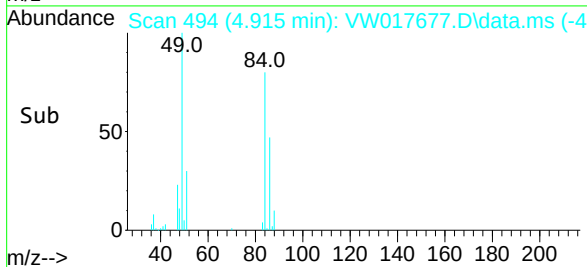
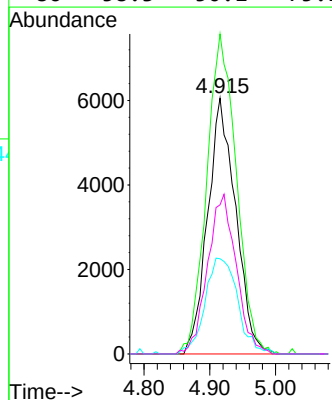
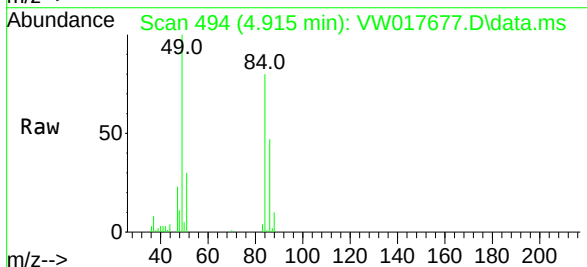


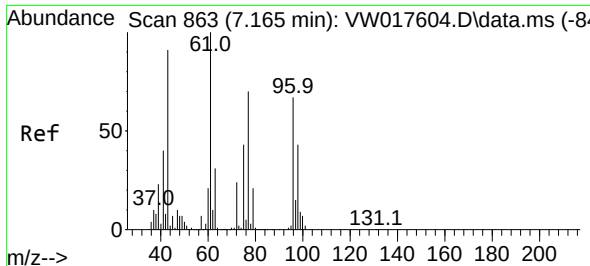
Tgt Ion: 43 Resp: 6006
Ion Ratio Lower Upper
43 100
58 39.7 25.7 38.5#



#20
Methylene Chloride
Concen: 9.90 ug/l
RT: 4.915 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Tgt Ion: 84 Resp: 17925
Ion Ratio Lower Upper
84 100
49 125.1 79.0 118.6#
51 37.2 26.1 39.1
86 58.3 50.1 75.1

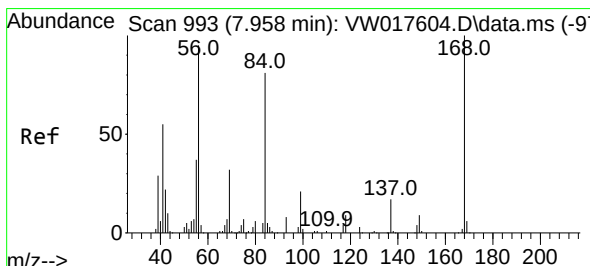
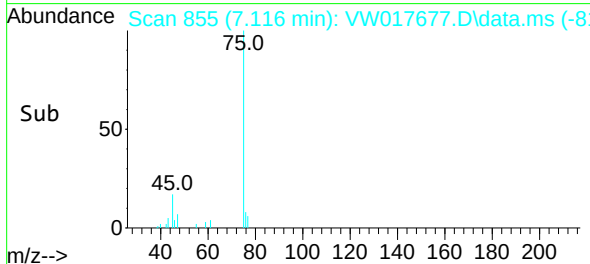
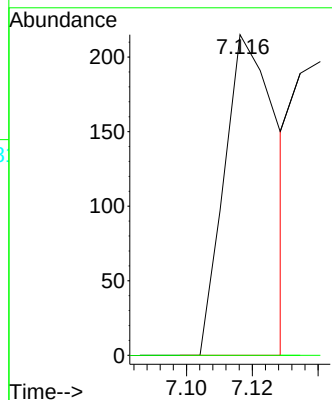
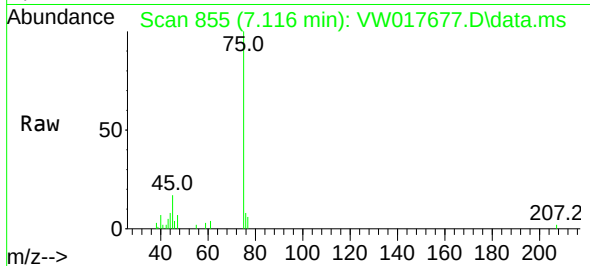




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.116 min Scan# 855
Delta R.T. -0.049 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

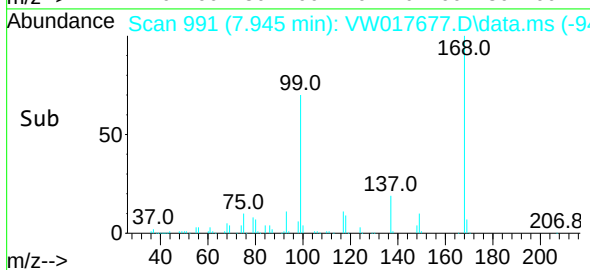
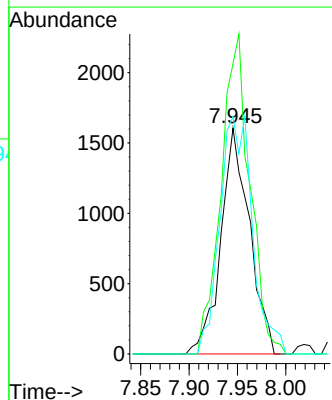
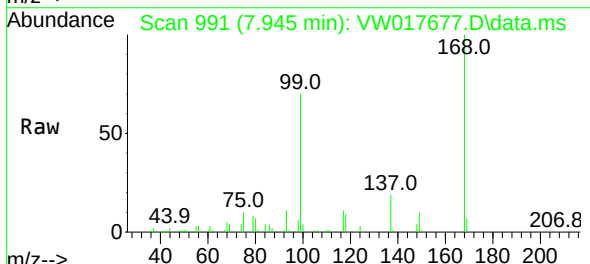
Instrument :
MSVOA_W
ClientSampled :

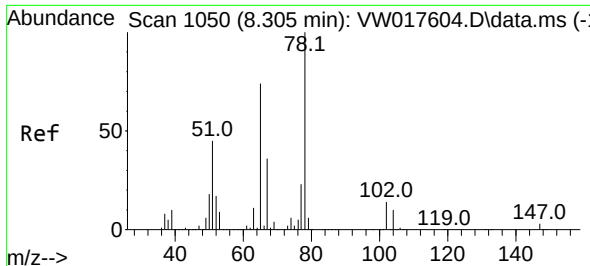
Tgt Ion: 77 Resp: 239
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#



#31
Cyclohexane
Concen: 1.43 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.013 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Tgt Ion: 56 Resp: 3313
Ion Ratio Lower Upper
56 100
69 128.5 29.3 43.9#
84 105.1 80.5 120.7

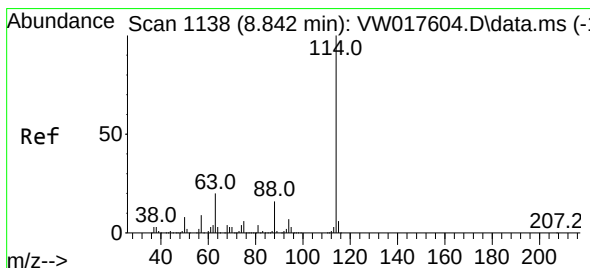
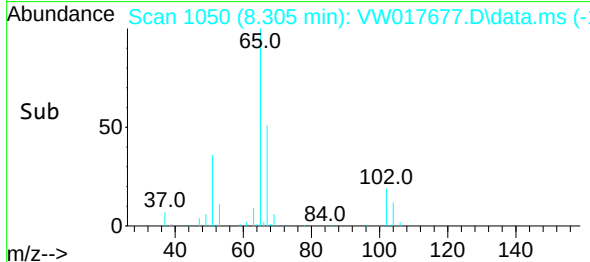
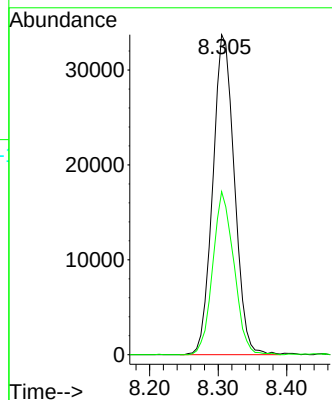
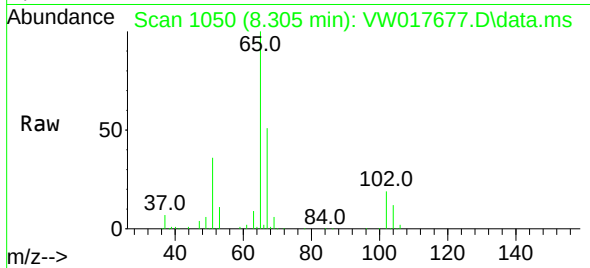




#33
1,2-Dichloroethane-d4
Concen: 54.92 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

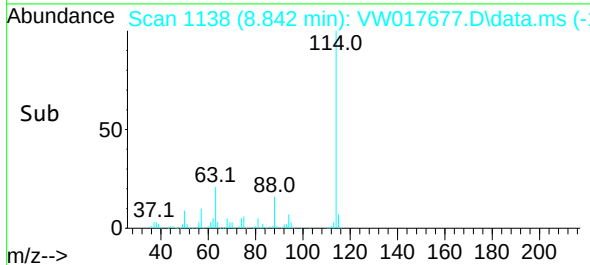
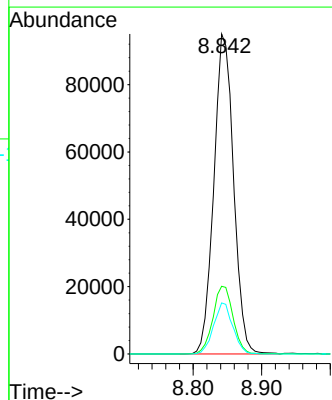
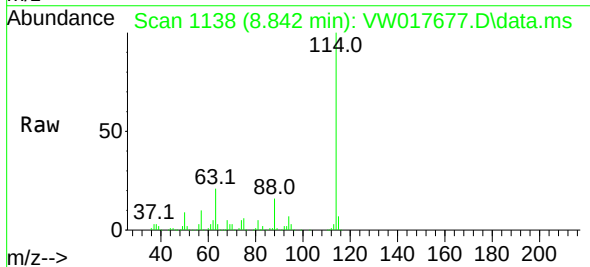
Instrument :
MSVOA_W
ClientSampled :

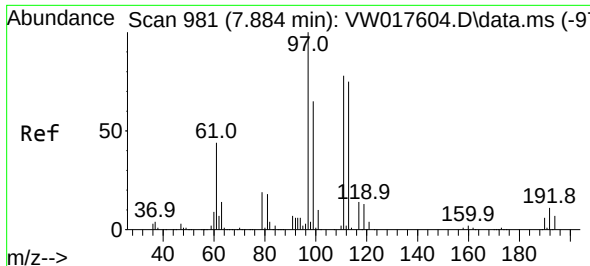
Tgt Ion: 65 Resp: 73752
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Tgt Ion: 114 Resp: 189898
Ion Ratio Lower Upper
114 100
63 21.2 0.0 35.6
88 16.0 0.0 30.4

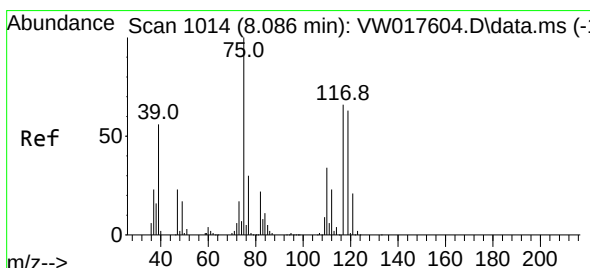
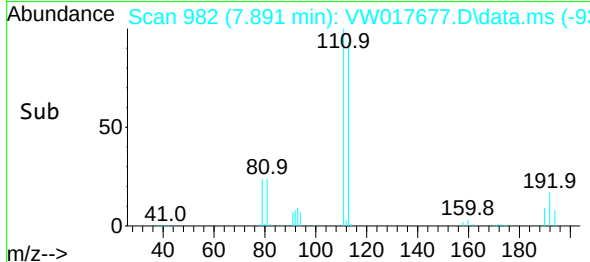
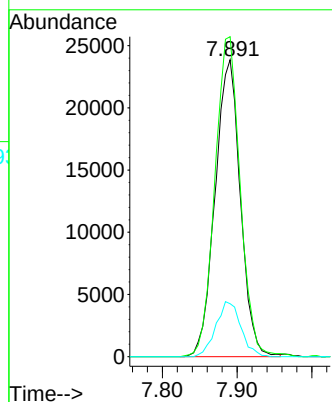
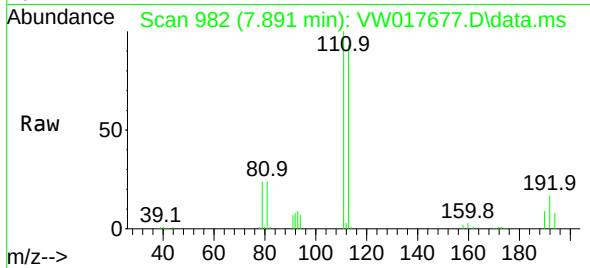




#35
Dibromofluoromethane
Concen: 44.65 ug/l
RT: 7.891 min Scan# 982
Delta R.T. 0.007 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

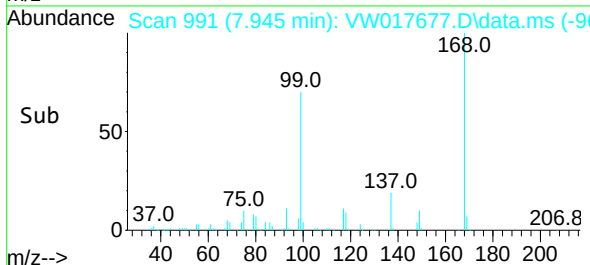
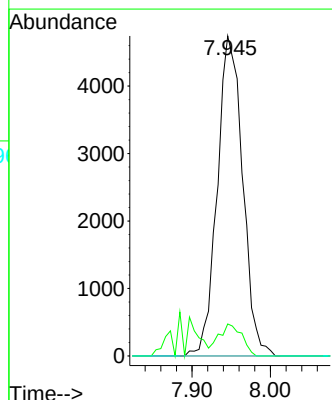
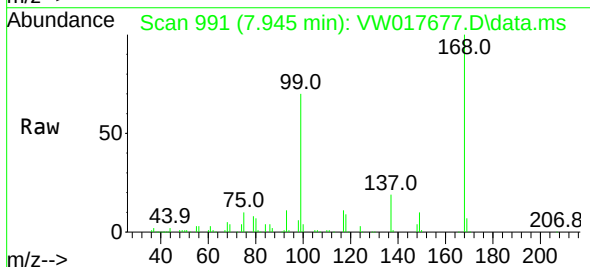
Instrument :
MSVOA_W
ClientSampleId :

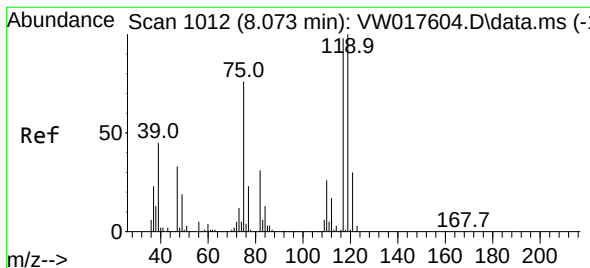
Tgt Ion:113 Resp: 56116
Ion Ratio Lower Upper
113 100
111 107.9 81.4 122.2
192 18.3 17.8 26.8



#36
1,1-Dichloropropene
Concen: 5.38 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.141 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Tgt Ion: 75 Resp: 10693
Ion Ratio Lower Upper
75 100
110 9.1 19.3 57.9#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.89 ug/l

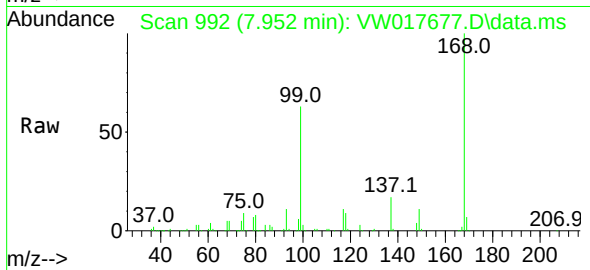
RT: 7.952 min Scan# 992

Delta R.T. -0.122 min

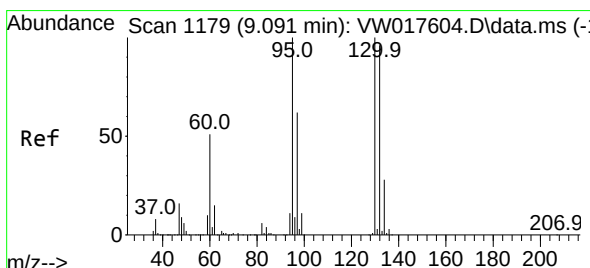
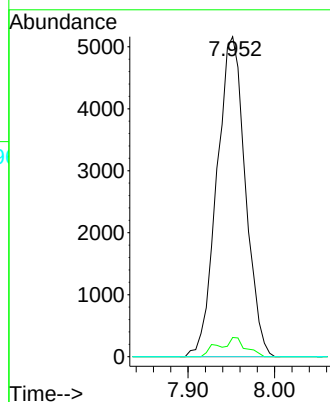
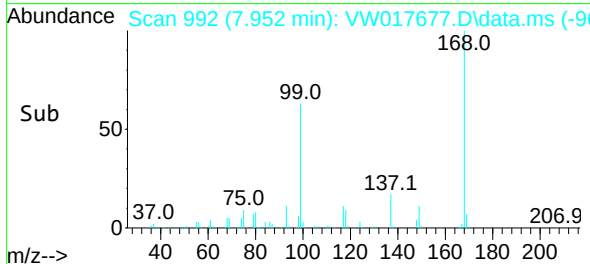
Lab File: VW017677.D

Acq: 18 Dec 2020 15:37

Instrument :
MSVOA_W
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Tgt Ion:	117	Resp:	11777
Ion	Ratio	Lower	Upper
117	100		
119	6.0	81.6	122.4#
121	0.0	25.7	38.5#



#44

Trichloroethene

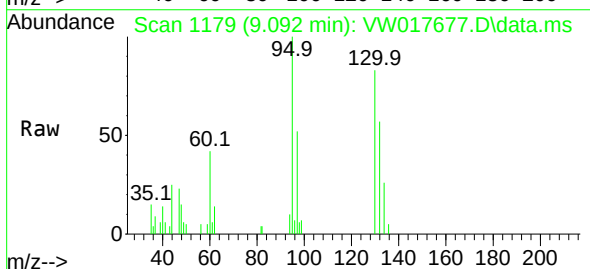
Concen: 1.82 ug/l

RT: 9.092 min Scan# 1179

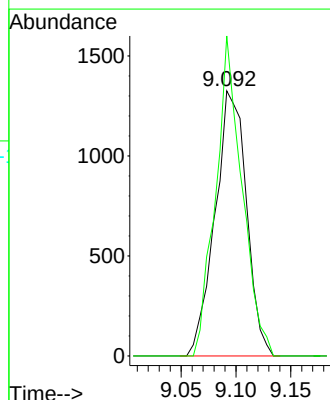
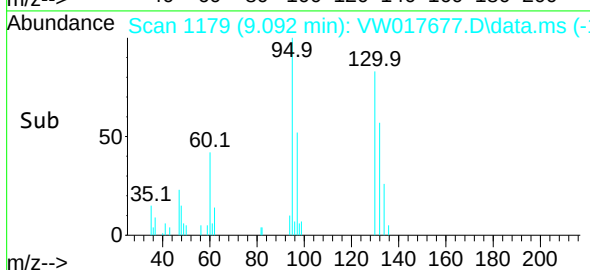
Delta R.T. 0.001 min

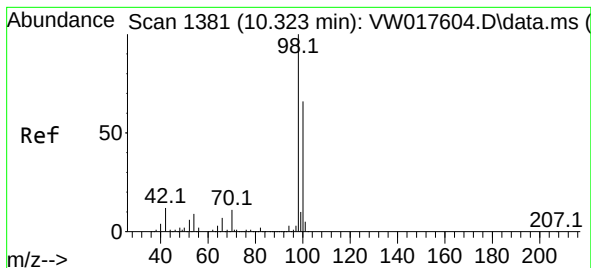
Lab File: VW017677.D

Acq: 18 Dec 2020 15:37



Tgt Ion:	130	Resp:	2637
Ion	Ratio	Lower	Upper
130	100		
95	120.7	0.0	180.2

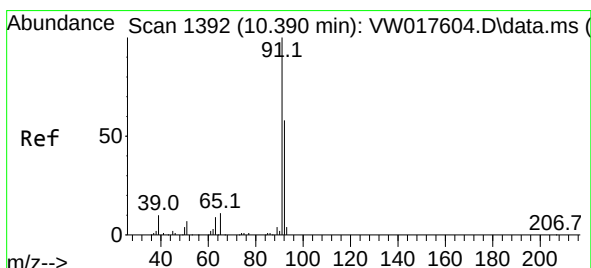
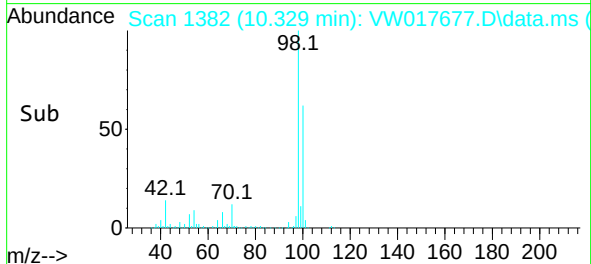
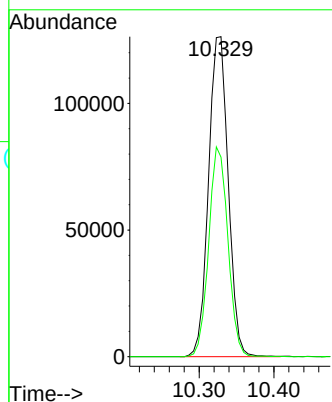
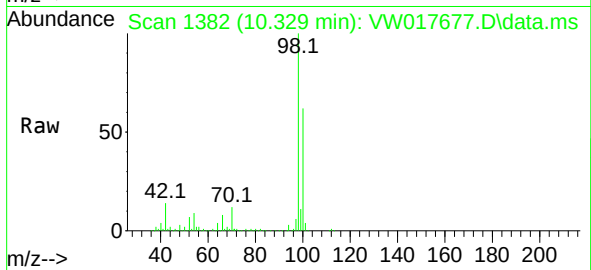




#50
Toluene-d8
Concen: 47.21 ug/l
RT: 10.329 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

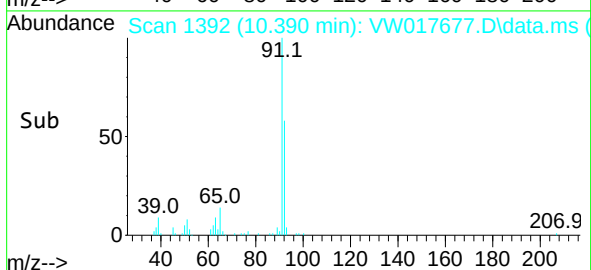
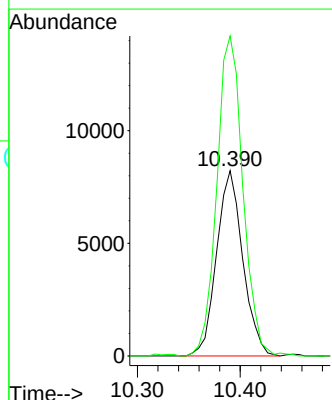
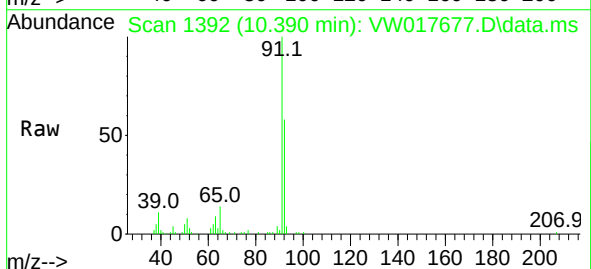
Instrument :
MSVOA_W
ClientSampleId :

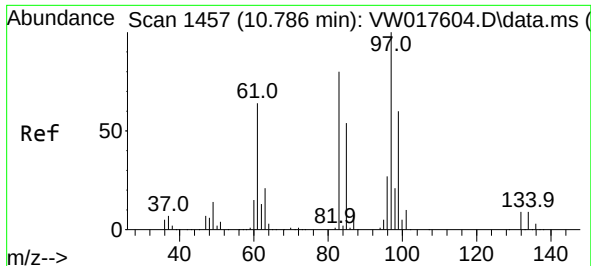
Tgt Ion: 98 Resp: 230969
Ion Ratio Lower Upper
98 100
100 63.9 53.3 79.9



#52
Toluene
Concen: 4.22 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

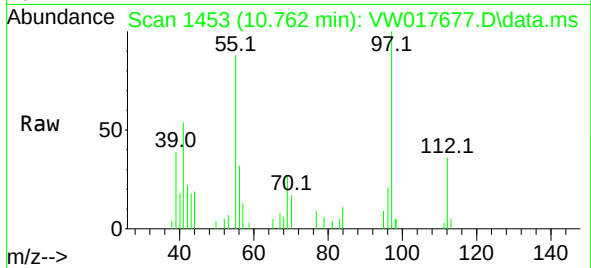
Tgt Ion: 92 Resp: 14540
Ion Ratio Lower Upper
92 100
91 172.1 134.7 202.1



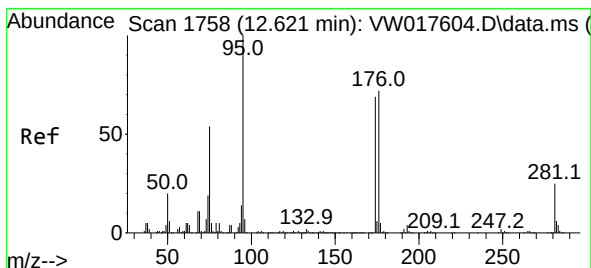
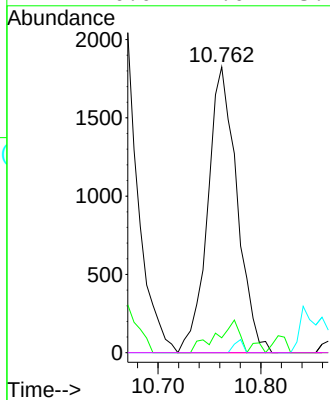
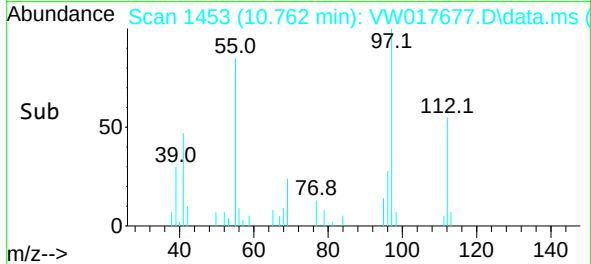


#55
1,1,2-Trichloroethane
Concen: 3.71 ug/l
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

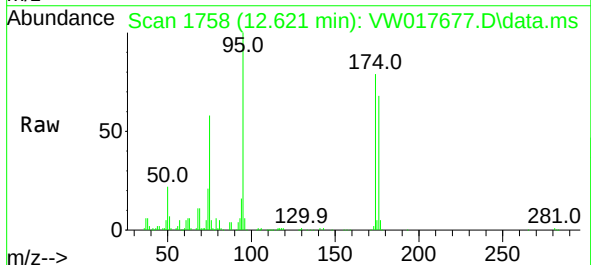
Instrument :
MSVOA_W
ClientSampleId :



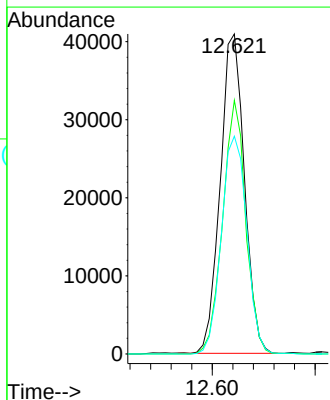
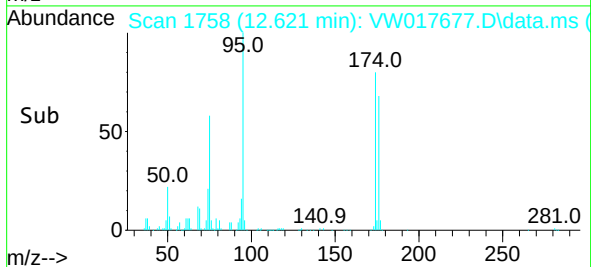
Tgt Ion	Ratio	Lower	Upper
97	100		
83	5.2	64.6	97.0#
85	0.0	40.6	61.0#
99	0.0	49.0	73.6#

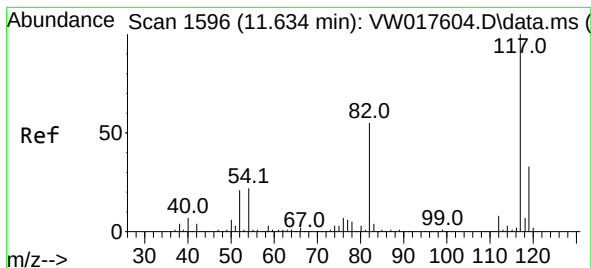


#62
4-Bromofluorobenzene
Concen: 38.21 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37



Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	180.6
176	71.7	0.0	177.6

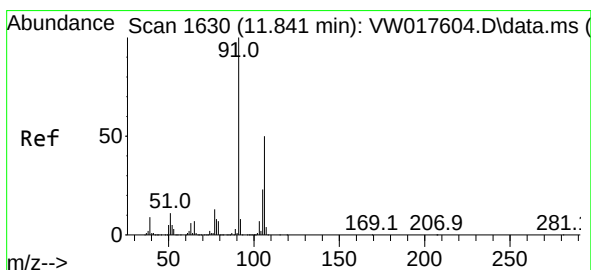
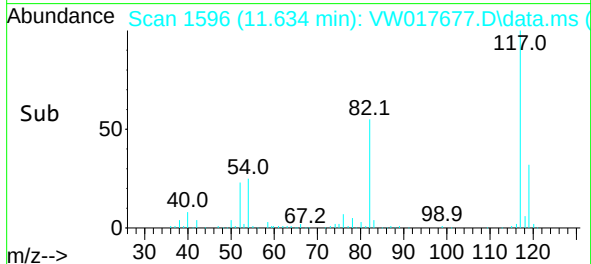
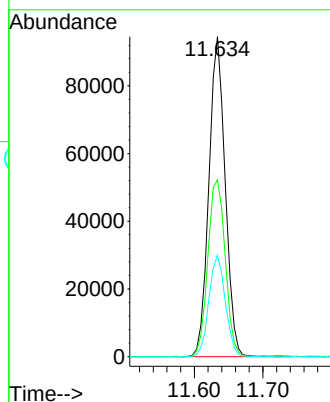
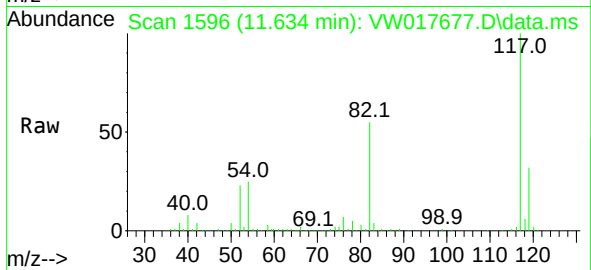




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

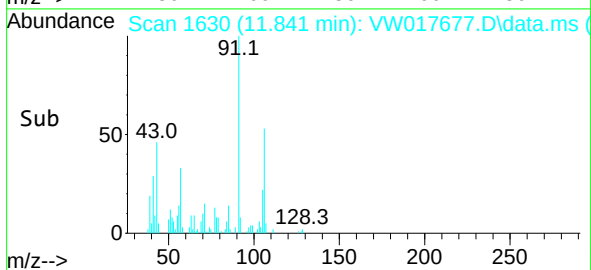
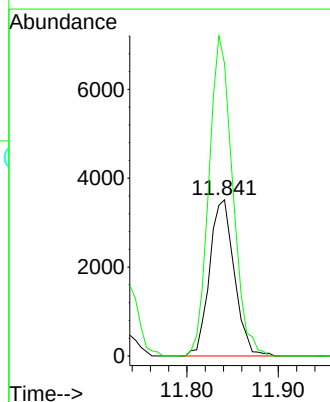
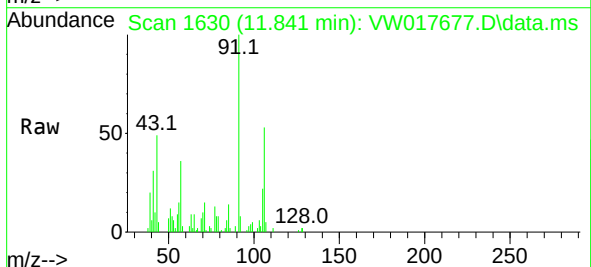
Instrument :
MSVOA_W
ClientSampleId :

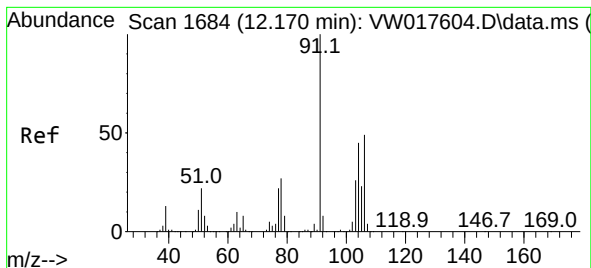
Tgt Ion:117 Resp: 156202
Ion Ratio Lower Upper
117 100
82 55.2 40.7 61.1
119 31.7 25.0 37.4



#68
m/p-Xylenes
Concen: 2.78 ug/l
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Tgt Ion:106 Resp: 6617
Ion Ratio Lower Upper
106 100
91 195.6 157.4 236.0





#69

o-Xylene

Concen: 1.33 ug/l

RT: 12.170 min Scan# 1684

Delta R.T. 0.000 min

Lab File: VW017677.D

Acq: 18 Dec 2020 15:37

Tgt Ion:106 Resp: 2984

Ion Ratio Lower Upper

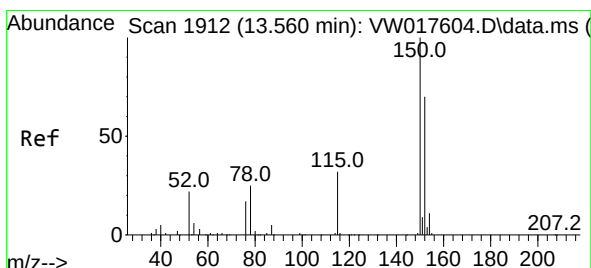
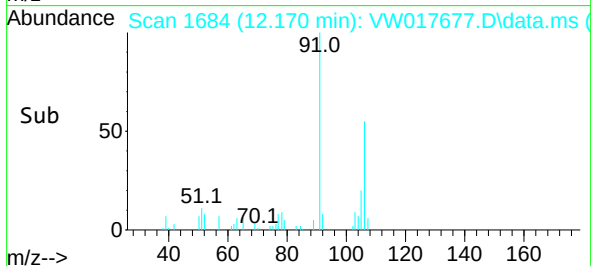
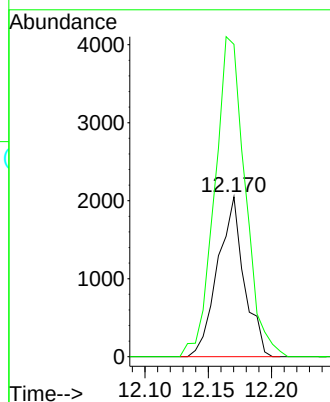
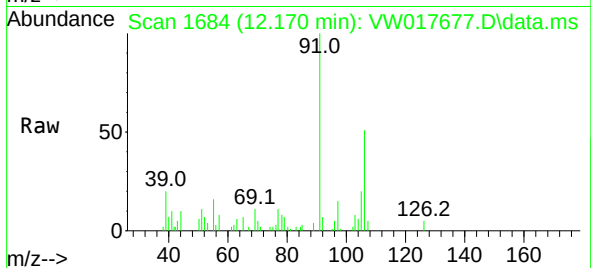
106 100

91 230.2 103.6 310.9

Instrument :

MSVOA_W

ClientSampled :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.560 min Scan# 1912

Delta R.T. 0.000 min

Lab File: VW017677.D

Acq: 18 Dec 2020 15:37

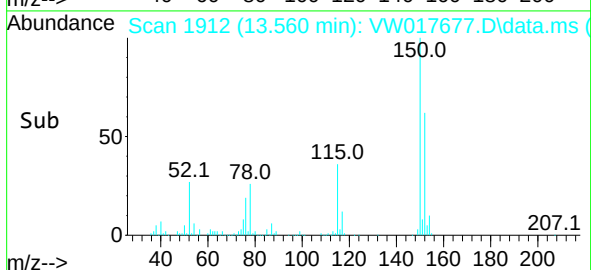
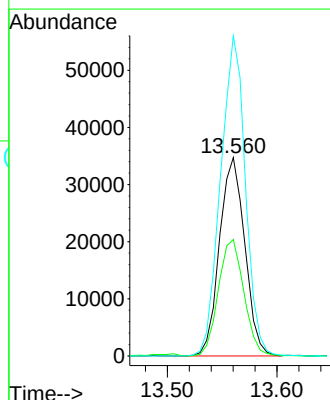
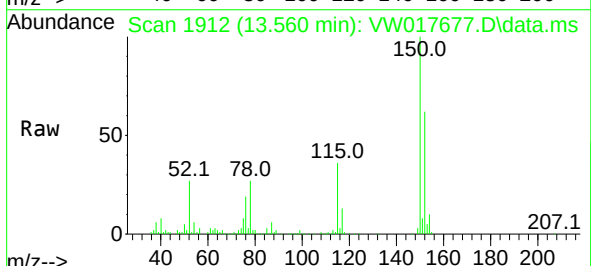
Tgt Ion:152 Resp: 55667

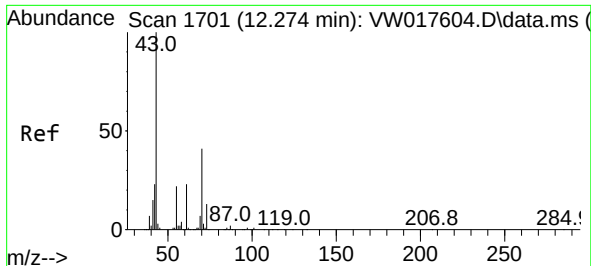
Ion Ratio Lower Upper

152 100

115 59.3 27.9 83.7

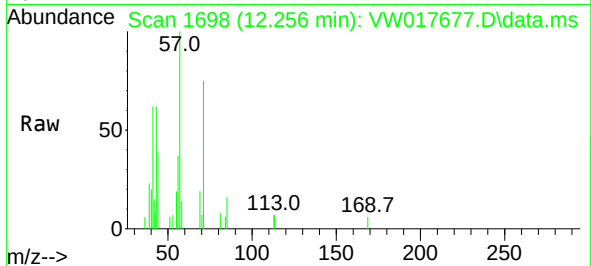
150 158.1 0.0 344.0



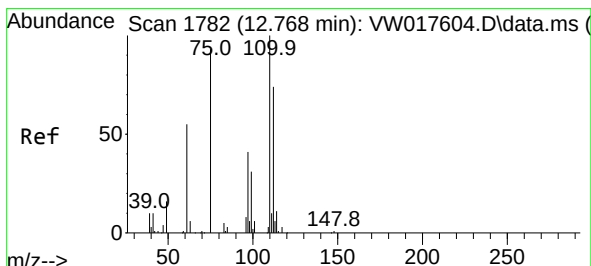
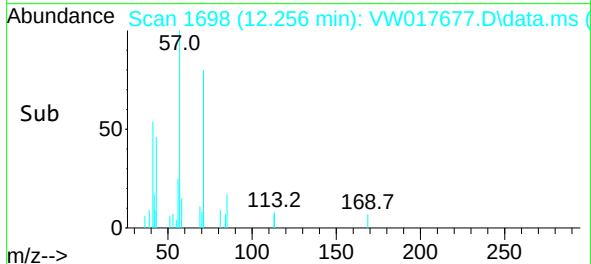
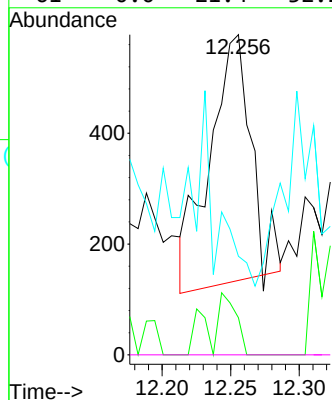


#74
N-amy1 acetate
Concen: 1.02 ug/l
RT: 12.256 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Instrument :
MSVOA_W
ClientSampled :

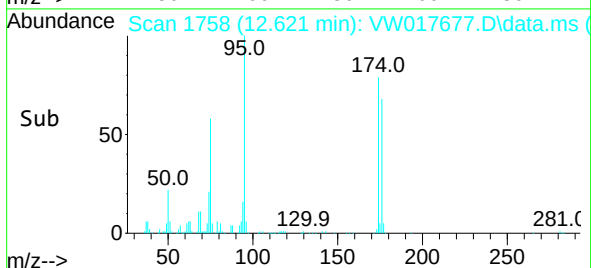
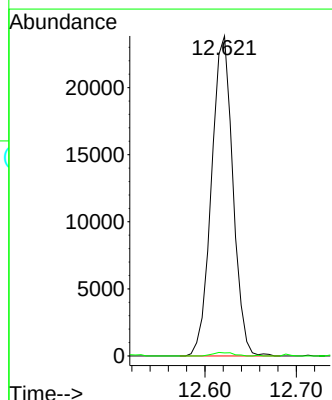
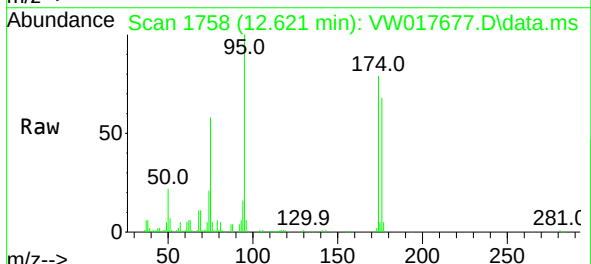


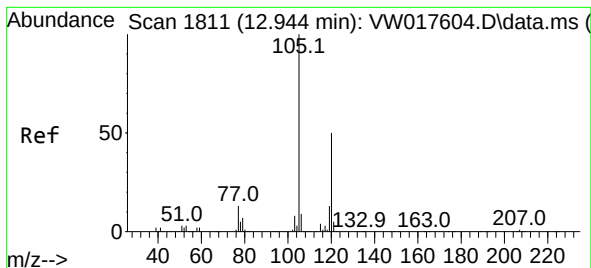
Tgt Ion: 43	Resp: 942
Ion Ratio	Lower Upper
43 100	
70 10.6	40.2 60.4#
55 0.0	21.4 32.0#
61 0.0	21.4 32.2#



#76
1,2,3-Trichloropropane
Concen: 72.24 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Tgt Ion: 75	Resp: 38711
Ion Ratio	Lower Upper
75 100	
77 1.0	178.8 536.3#

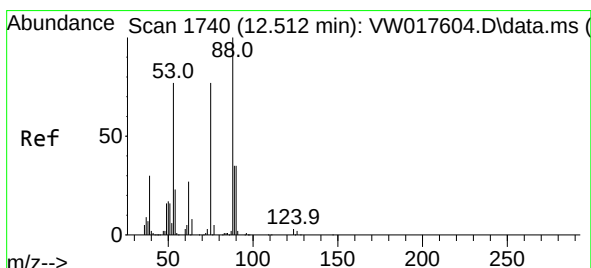
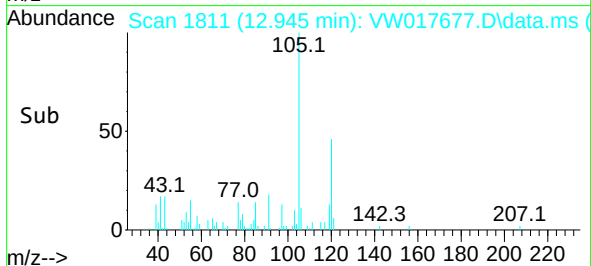
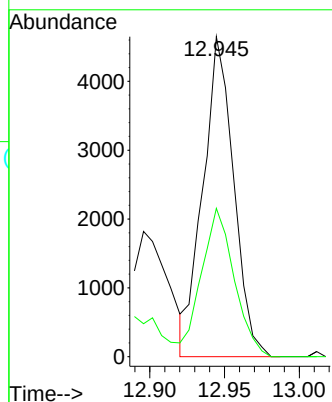
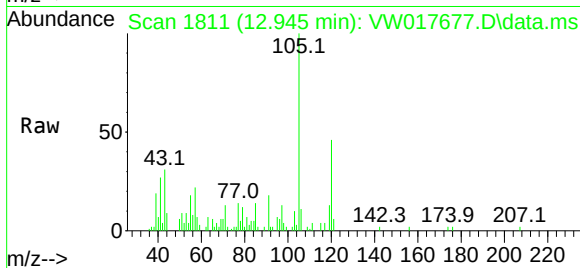




#80
1,3,5-Trimethylbenzene
Concen: 1.78 ug/l
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

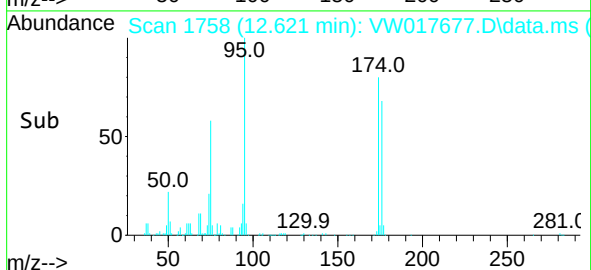
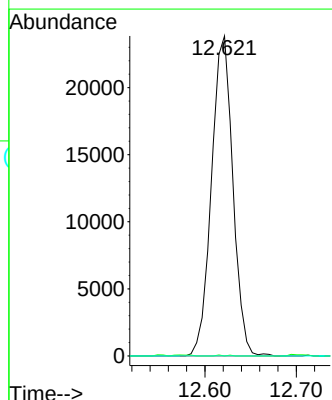
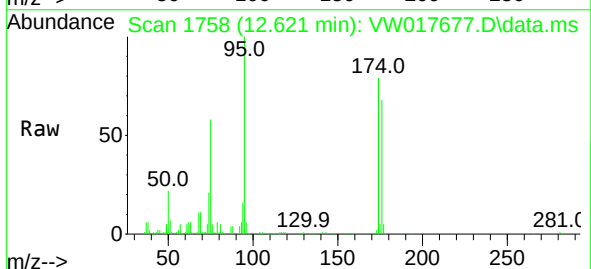
Instrument :
MSVOA_W
ClientSampleId :

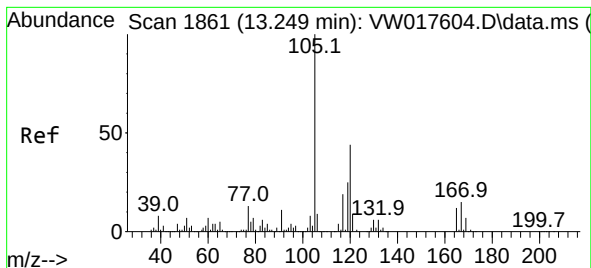
Tgt Ion:105 Resp: 6634
Ion Ratio Lower Upper
105 100
120 49.4 24.9 74.8



#81
trans-1,4-Dichloro-2-butene
Concen: 146.37 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.109 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Tgt Ion: 75 Resp: 38711
Ion Ratio Lower Upper
75 100
53 0.1 77.0 115.4#
89 0.0 38.7 58.1#

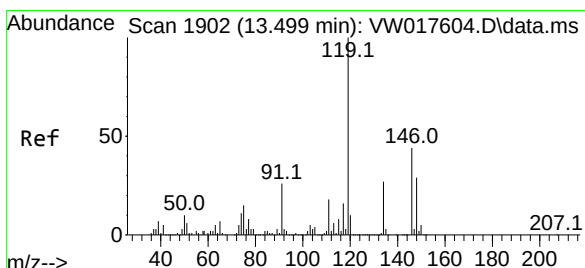
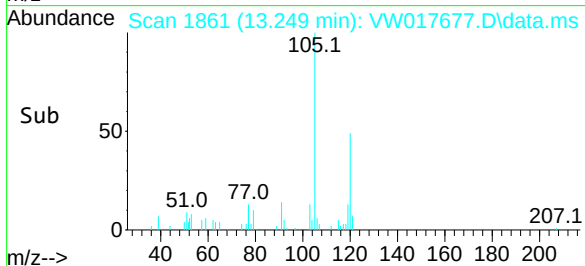
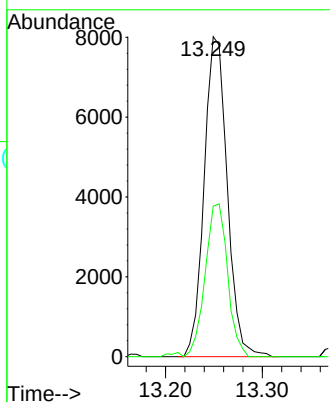
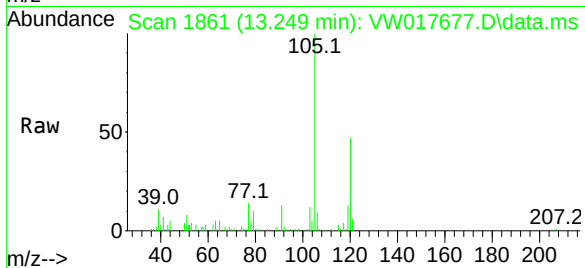




#84
1,2,4-Trimethylbenzene
Concen: 3.63 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

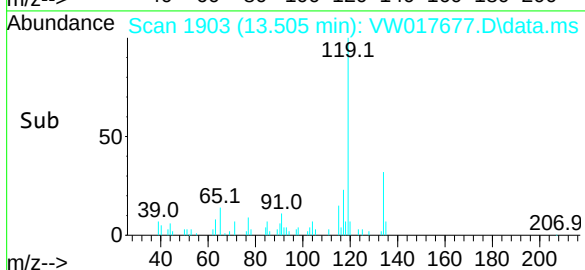
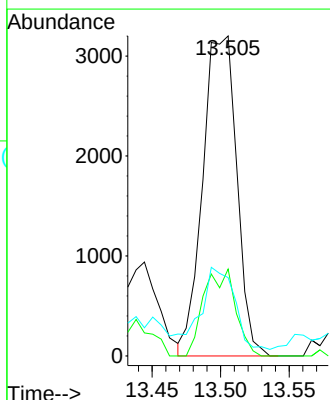
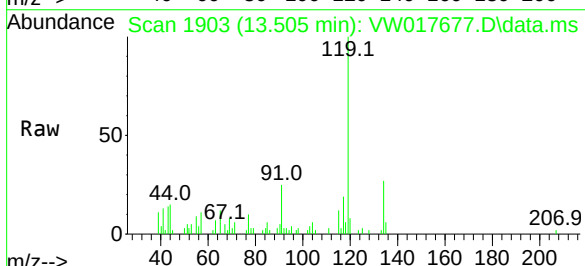
Instrument :
MSVOA_W
ClientSampleId :

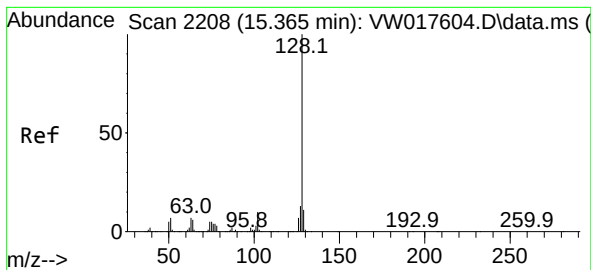
Tgt Ion:105 Resp: 13311
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.0



#86
p-Isopropyltoluene
Concen: 1.37 ug/l
RT: 13.505 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Tgt Ion:119 Resp: 5522
Ion Ratio Lower Upper
119 100
134 25.4 13.8 41.3
91 23.7 11.3 33.9





#95
Naphthalene
Concen: 25.97 ug/l
RT: 15.371 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VW017677.D
Acq: 18 Dec 2020 15:37

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 56762
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.5 8.6 12.8

