

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121820\
 Data File : VW017680.D
 Acq On : 18 Dec 2020 16:53
 Operator : SY/VA
 Sample : L5155-01
 Misc : 5.88G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 00:14:11 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)

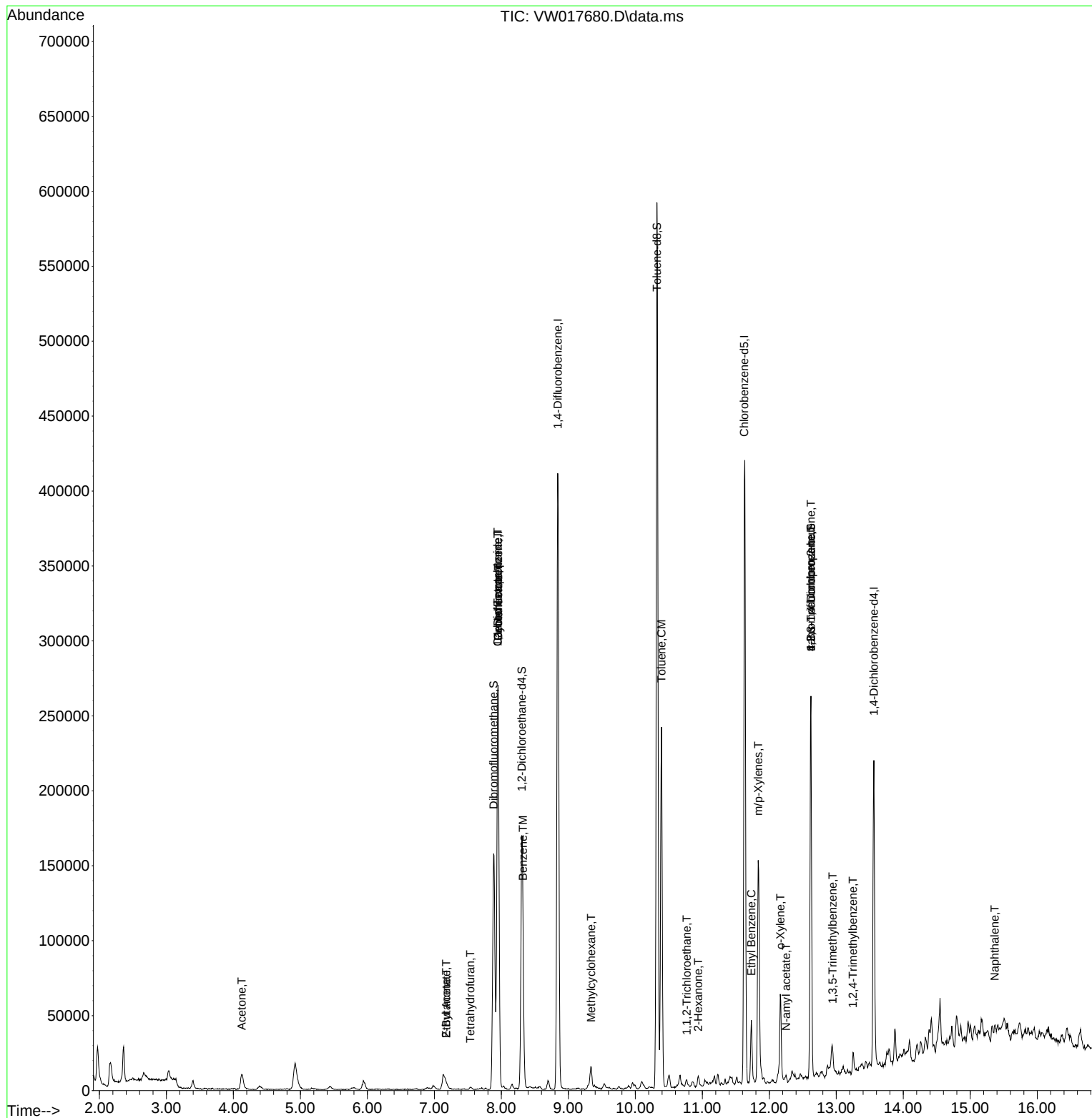
Internal Standards						
1) Pentafluorobenzene	7.952	168	190194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	336423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	219405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	49637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	127085	54.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.70%	
35) Dibromofluoromethane	7.884	113	107813	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
50) Toluene-d8	10.323	98	376759	43.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.94%	
62) 4-Bromofluorobenzene	12.621	95	78496	25.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	50.72%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.172	59	1330	Below Cal	#	95
16) Acetone	4.123	43	18504	36.71	ug/l	95
25) 2-Butanone	7.177	43	5893	8.78	ug/l	# 78
26) 2,2-Dichloropropane	7.122	77	786	Below Cal	#	50
29) Tetrahydrofuran	7.537	42	1338	3.54	ug/l	# 76
31) Cyclohexane	7.952	56	7998	2.00	ug/l	# 51
36) 1,1-Dichloropropene	7.945	75	17163	4.87	ug/l	# 47
37) Ethyl Acetate	7.177	43	5893	4.00	ug/l	# 66
38) Carbon Tetrachloride	7.945	117	19676	5.56	ug/l	# 14
39) Methylcyclohexane	9.341	83	5889	1.32	ug/l	# 89
40) Benzene	8.323	78	24829	2.66	ug/l	99
52) Toluene	10.390	92	98252	16.10	ug/l	100
55) 1,1,2-Trichloroethane	10.768	97	1976	1.15	ug/l	# 27
59) 2-Hexanone	10.939	43	5456	5.93	ug/l	# 22
67) Ethyl Benzene	11.731	91	27233	3.11	ug/l	94
68) m/p-Xylenes	11.835	106	43153	12.91	ug/l	94
69) o-Xylene	12.164	106	14818	4.70	ug/l	94
74) N-amyl acetate	12.250	43	1704	2.07	ug/l	# 42
76) 1,2,3-Trichloropropane	12.621	75	45407	95.03	ug/l	# 1
80) 1,3,5-Trimethylbenzene	12.945	105	3485	1.05	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.621	75	45407	192.54	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.249	105	8096	2.47	ug/l	98
95) Naphthalene	15.365	128	6517	3.34	ug/l	# 89

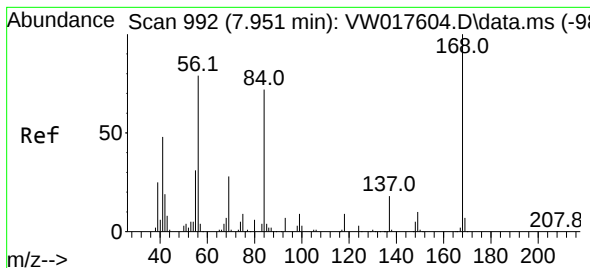
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121820\
Data File : VW017680.D
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Misc : 5.88G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 19 00:14:11 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 14 12:39:23 2020
Response via : Initial Calibration

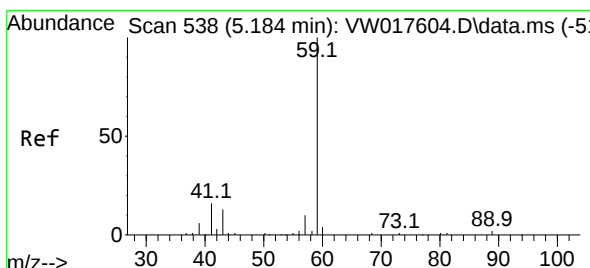
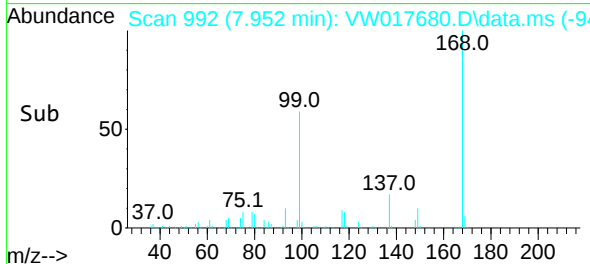
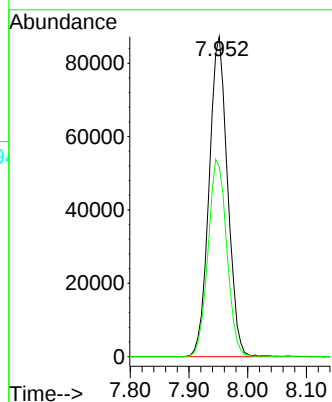
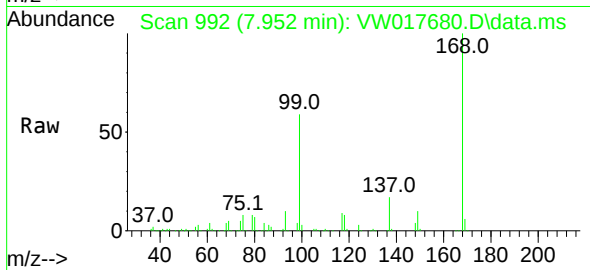




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

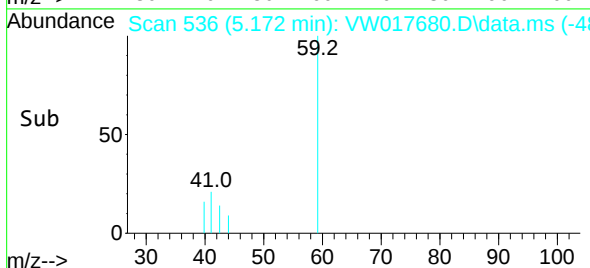
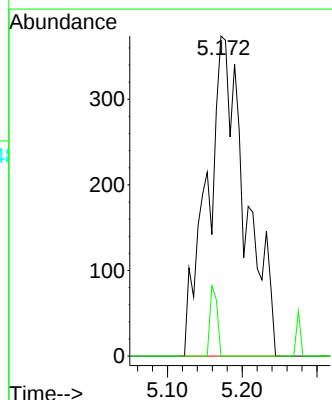
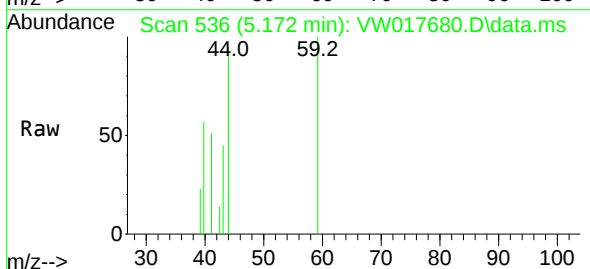
Instrument :
MSVOA_W
ClientSampleId :

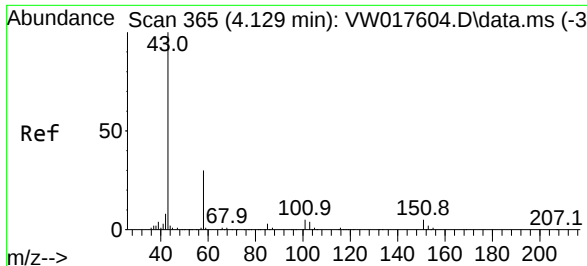
Tgt Ion:168 Resp: 190194
Ion Ratio Lower Upper
168 100
99 59.4 40.7 61.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.172 min Scan# 536
Delta R.T. -0.012 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Tgt Ion: 59 Resp: 1330
Ion Ratio Lower Upper
59 100
57 4.1 4.7 7.1#

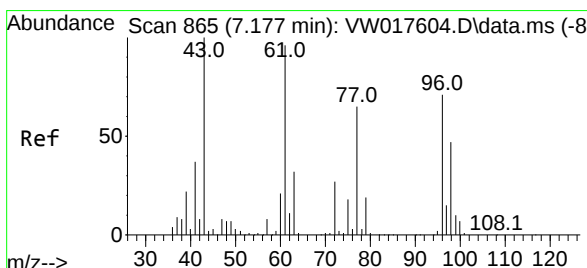
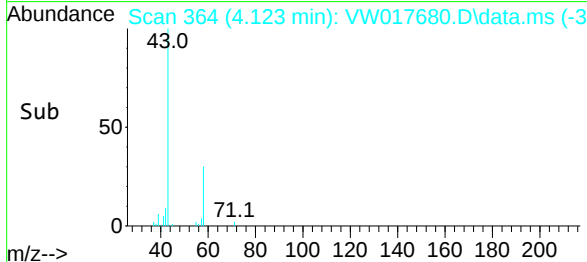
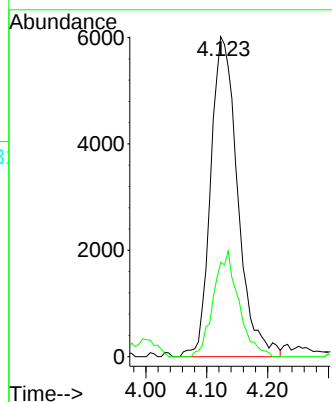
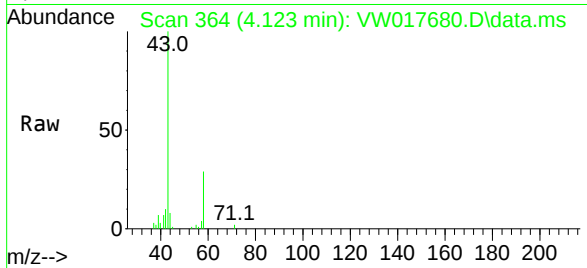




#16
Acetone
Concen: 36.71 ug/l
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

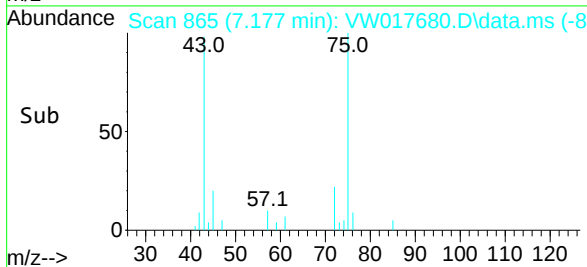
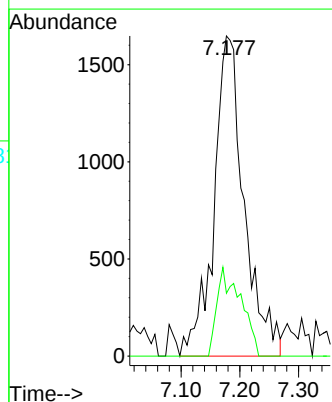
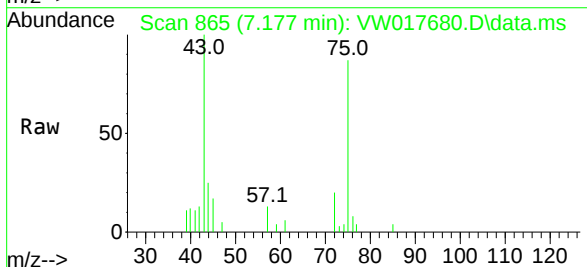
Instrument :
MSVOA_W
ClientSampled :

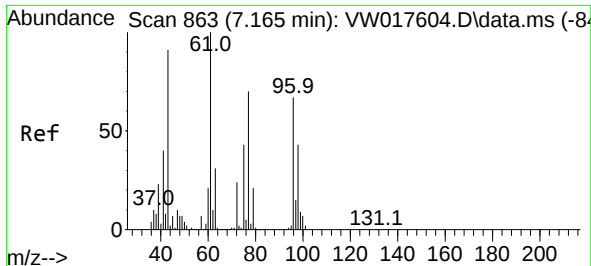
Tgt Ion: 43 Resp: 18504
Ion Ratio Lower Upper
43 100
58 29.5 25.7 38.5



#25
2-Butanone
Concen: 8.78 ug/l
RT: 7.177 min Scan# 865
Delta R.T. 0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Tgt Ion: 43 Resp: 5893
Ion Ratio Lower Upper
43 100
72 19.6 25.4 38.2#

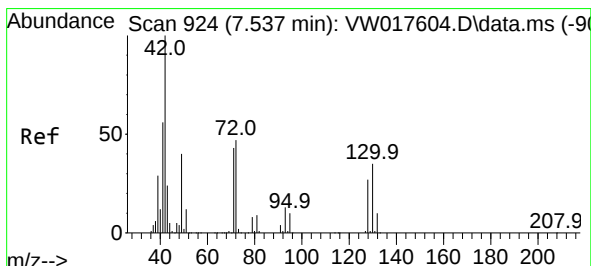
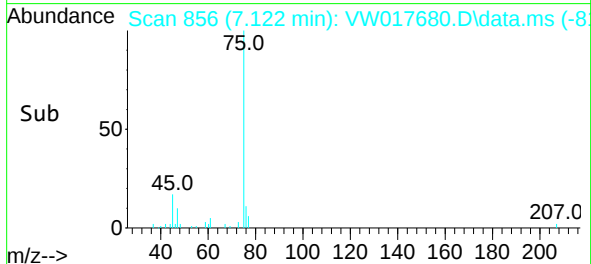
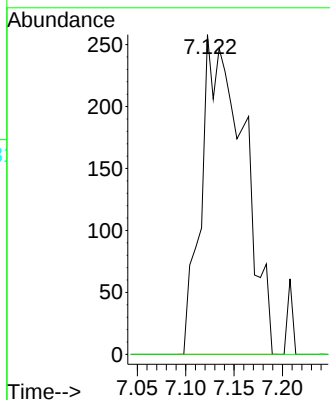
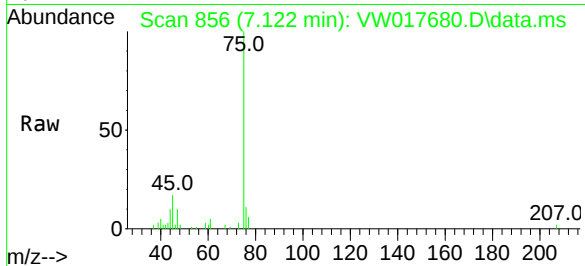




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.122 min Scan# 856
Delta R.T. -0.043 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

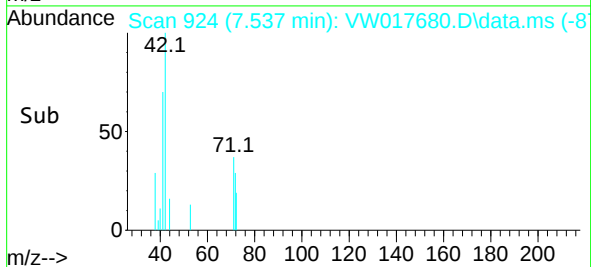
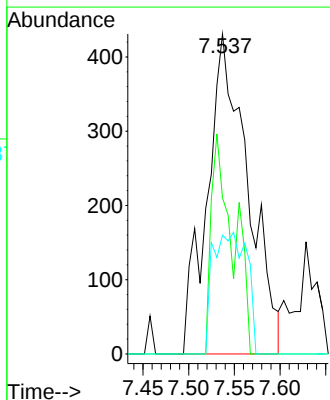
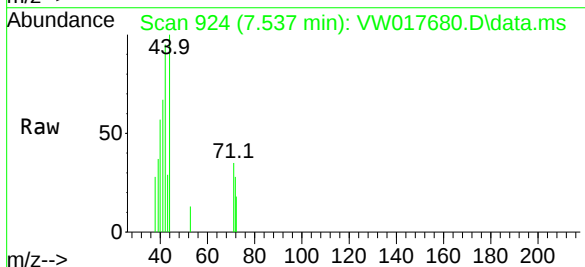
Instrument :
MSVOA_W
ClientSampleId :

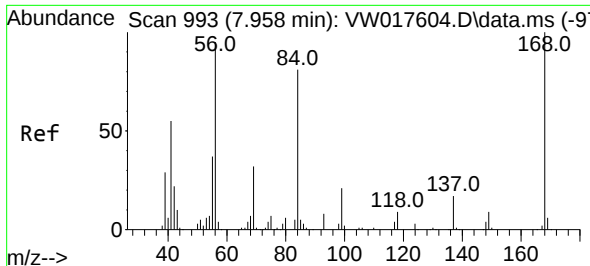
Tgt Ion: 77 Resp: 786
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#



#29
Tetrahydrofuran
Concen: 3.54 ug/l
RT: 7.537 min Scan# 924
Delta R.T. -0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Tgt Ion: 42 Resp: 1338
Ion Ratio Lower Upper
42 100
72 36.8 42.0 63.0#
71 31.5 39.0 58.6#

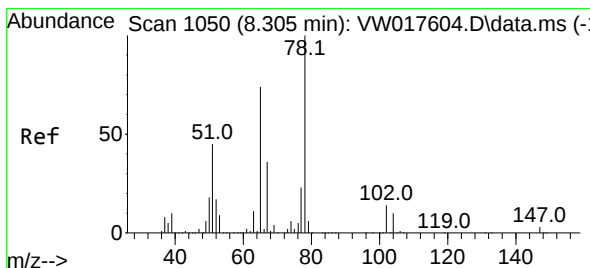
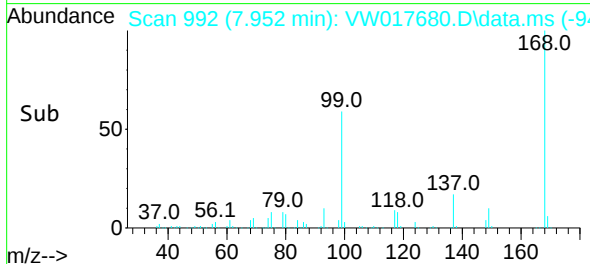
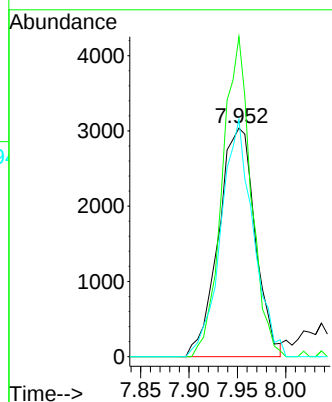
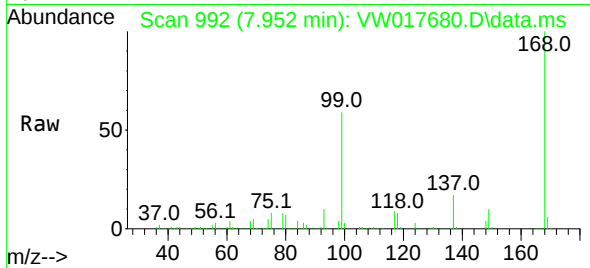




#31
Cyclohexane
Concen: 2.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

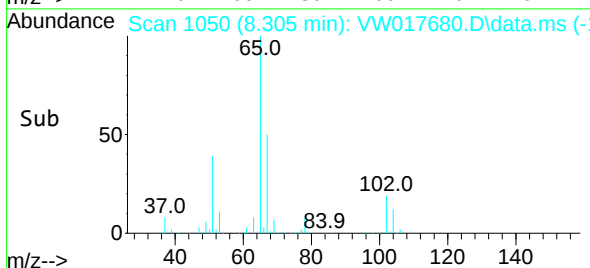
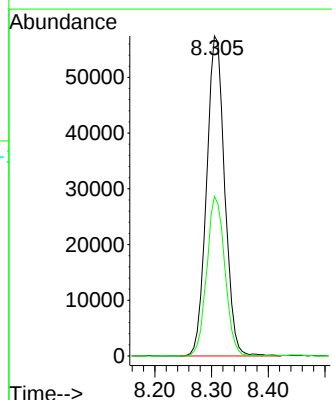
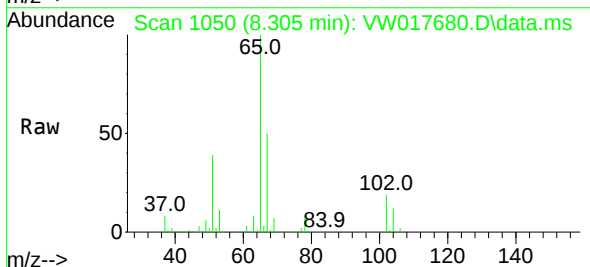
Instrument :
MSVOA_W
ClientSampleId :

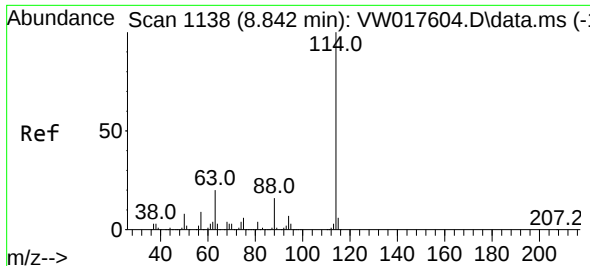
Tgt Ion: 56 Resp: 7998
Ion Ratio Lower Upper
56 100
69 140.1 29.3 43.9#
84 103.8 80.5 120.7



#33
1,2-Dichloroethane-d4
Concen: 54.85 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

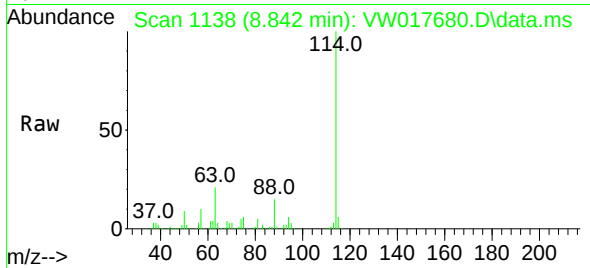
Tgt Ion: 65 Resp: 127085
Ion Ratio Lower Upper
65 100
67 49.9 0.0 103.8



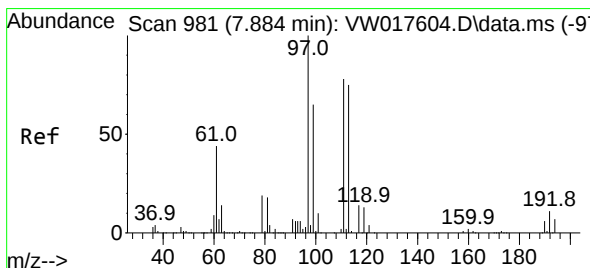
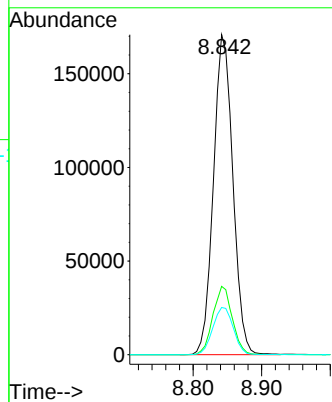
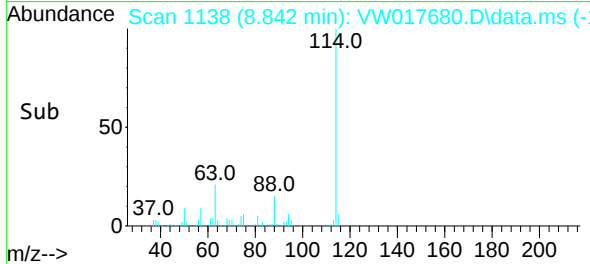


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

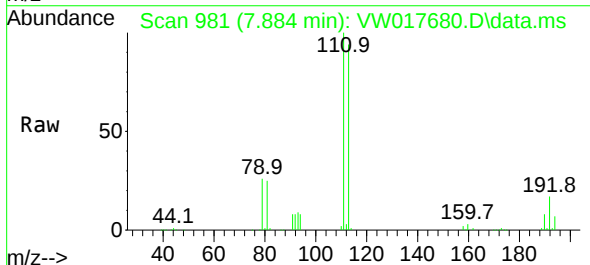
Instrument :
MSVOA_W
ClientSampleId :



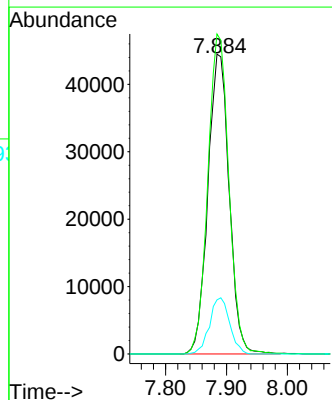
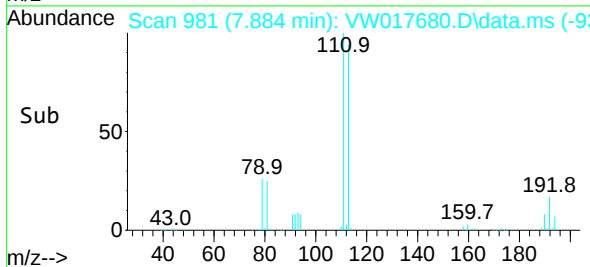
Tgt Ion:114 Resp: 336423
Ion Ratio Lower Upper
114 100
63 21.3 0.0 35.6
88 14.8 0.0 30.4

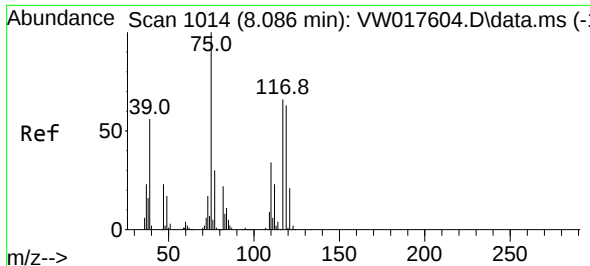


#35
Dibromofluoromethane
Concen: 48.43 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53



Tgt Ion:113 Resp: 107813
Ion Ratio Lower Upper
113 100
111 105.4 81.4 122.2
192 17.7 17.8 26.8#

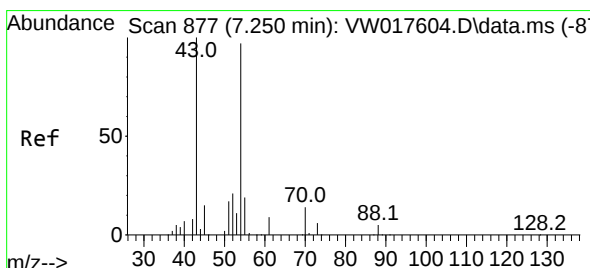
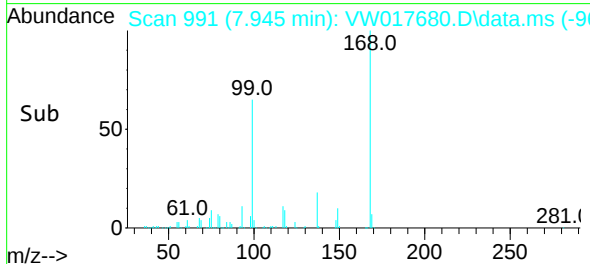
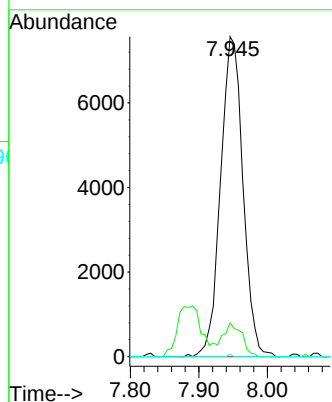
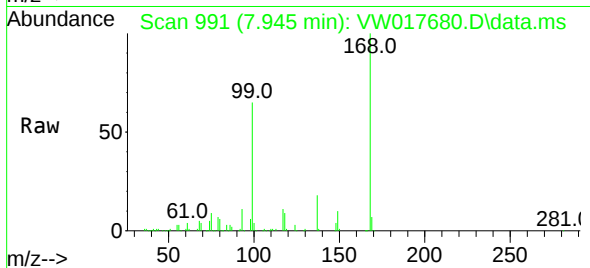




#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.141 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

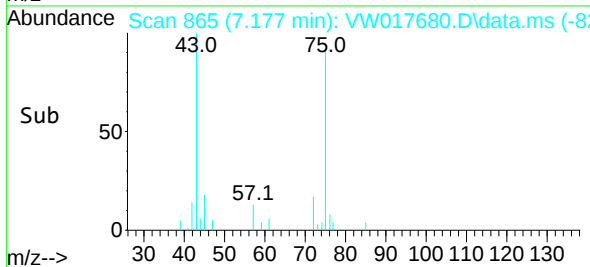
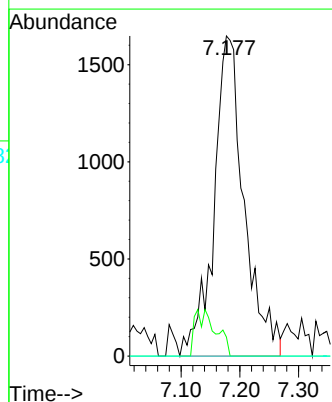
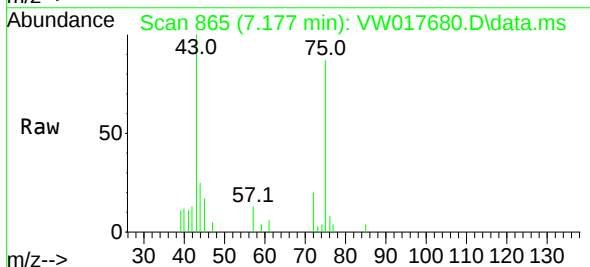
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ClientSampleId :

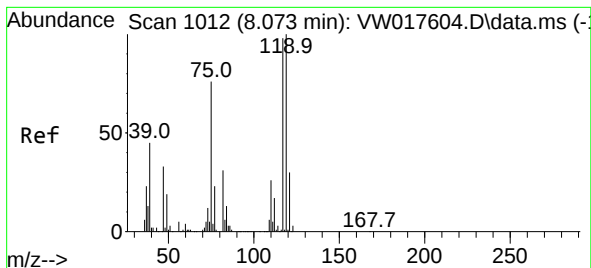
Tgt Ion: 75 Resp: 17163
Ion Ratio Lower Upper
75 100
110 8.6 19.3 57.9#
77 0.0 25.0 37.6#



#37
Ethyl Acetate
Concen: 4.00 ug/l
RT: 7.177 min Scan# 865
Delta R.T. -0.073 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Tgt Ion: 43 Resp: 5893
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 9.9 14.9#





#38

Carbon Tetrachloride

Concen: 5.56 ug/l

RT: 7.945 min Scan# 991

Delta R.T. -0.128 min

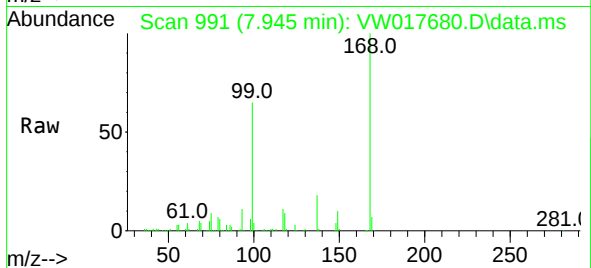
Lab File: VW017680.D

Acq: 18 Dec 2020 16:53

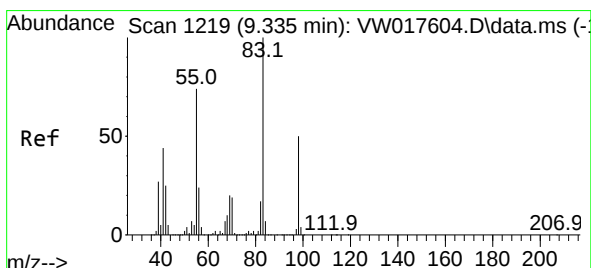
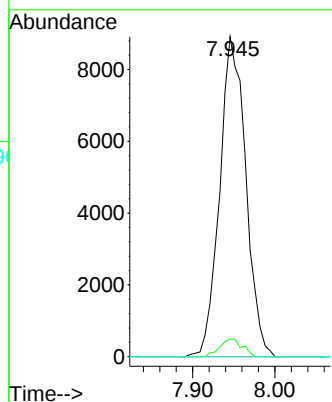
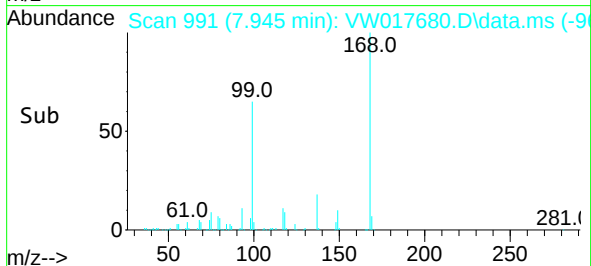
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	117	Resp:	19676
Ion	Ratio	Lower	Upper
117	100		
119	5.5	81.6	122.4#
121	0.0	25.7	38.5#



#39

Methylcyclohexane

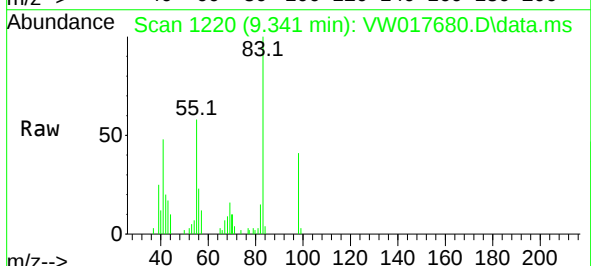
Concen: 1.32 ug/l

RT: 9.341 min Scan# 1220

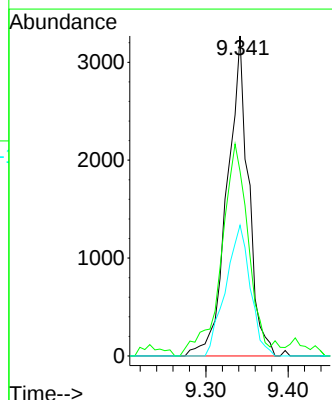
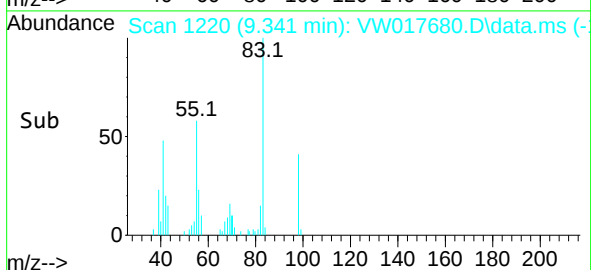
Delta R.T. 0.006 min

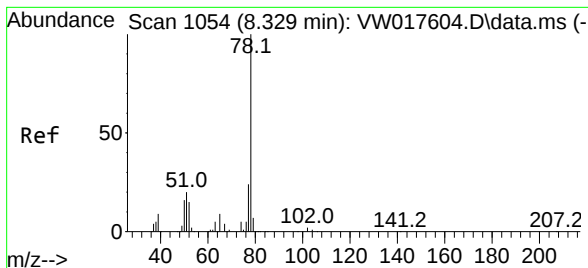
Lab File: VW017680.D

Acq: 18 Dec 2020 16:53



Tgt Ion:	83	Resp:	5889
Ion	Ratio	Lower	Upper
83	100		
55	57.7	51.7	77.5
98	40.9	41.0	61.4#





#40

Benzene

Concen: 2.66 ug/l

RT: 8.323 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VW017680.D

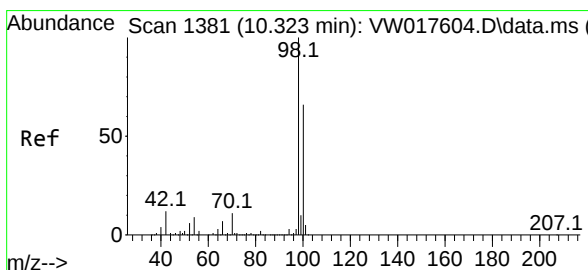
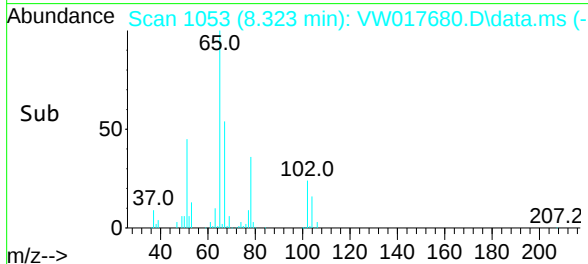
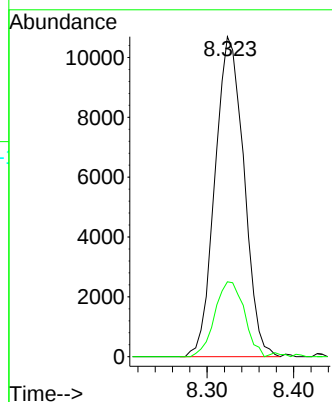
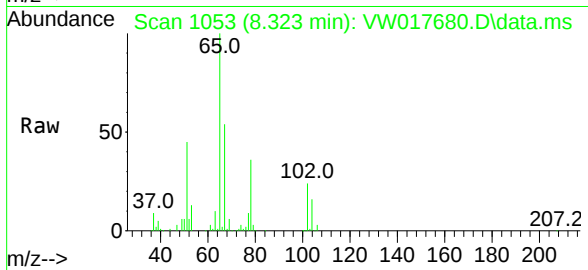
Acq: 18 Dec 2020 16:53

Tgt Ion: 78 Resp: 24829

Ion Ratio Lower Upper

78 100

77 23.4 18.5 27.7



#50

Toluene-d8

Concen: 43.47 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VW017680.D

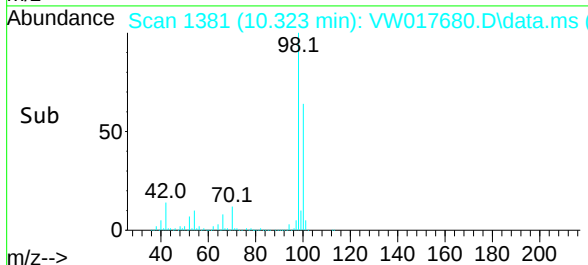
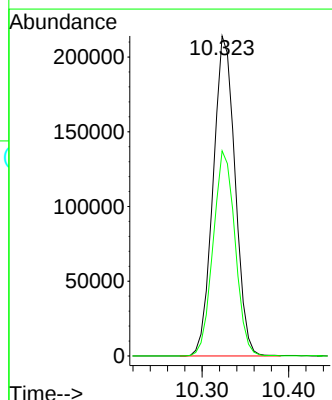
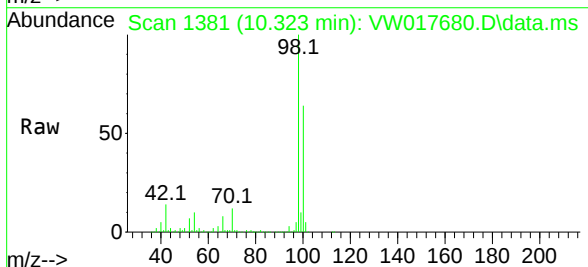
Acq: 18 Dec 2020 16:53

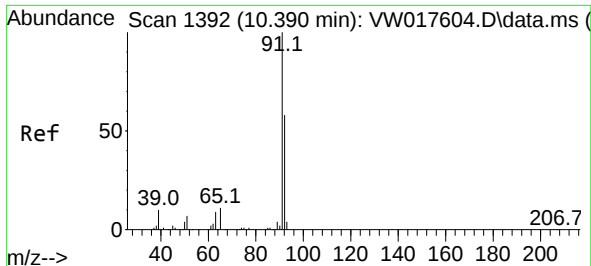
Tgt Ion: 98 Resp: 376759

Ion Ratio Lower Upper

98 100

100 64.1 53.3 79.9

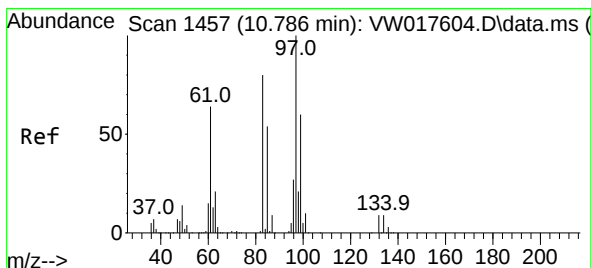
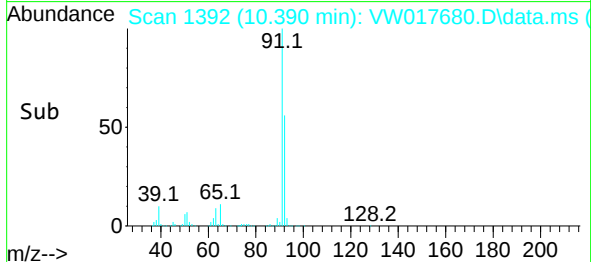
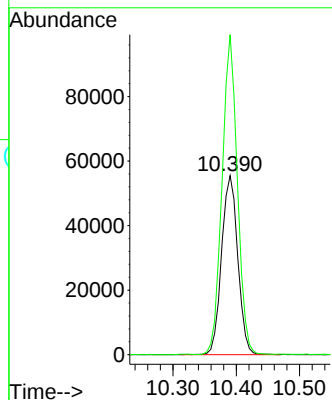
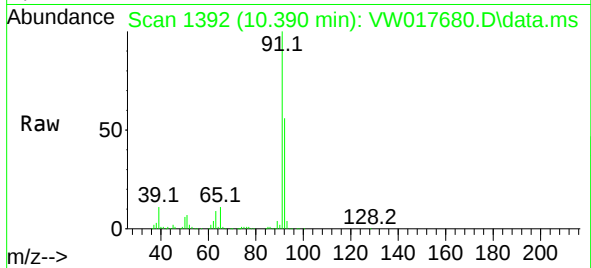




#52
Toluene
Concen: 16.10 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

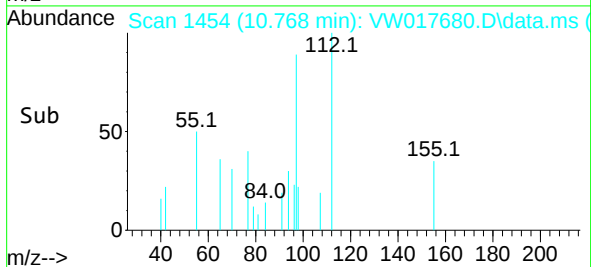
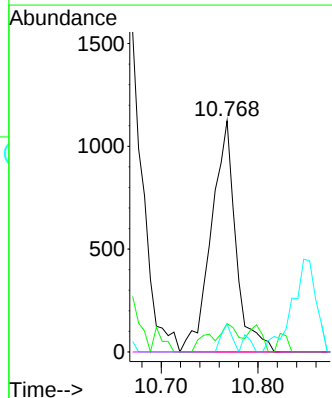
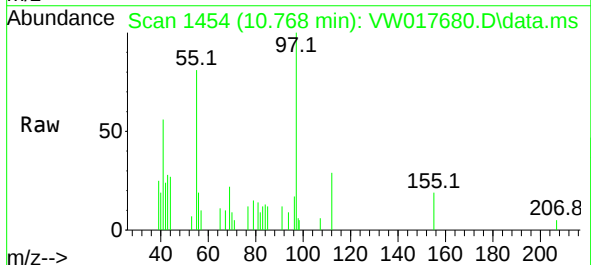
Instrument :
MSVOA_W
ClientSampled :

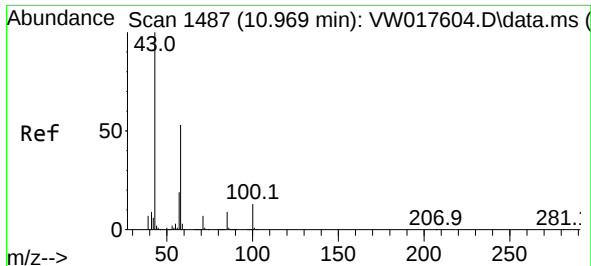
Tgt Ion: 92 Resp: 98252
Ion Ratio Lower Upper
92 100
91 168.7 134.7 202.1



#55
1,1,2-Trichloroethane
Concen: 1.15 ug/l
RT: 10.768 min Scan# 1454
Delta R.T. -0.018 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Tgt Ion: 97 Resp: 1976
Ion Ratio Lower Upper
97 100
83 12.3 64.6 97.0#
85 11.9 40.6 61.0#
99 0.0 49.0 73.6#

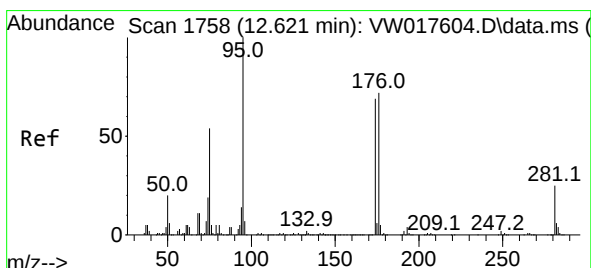
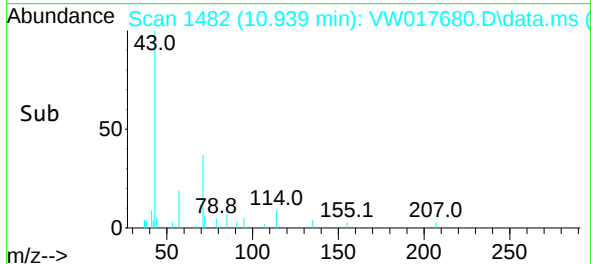
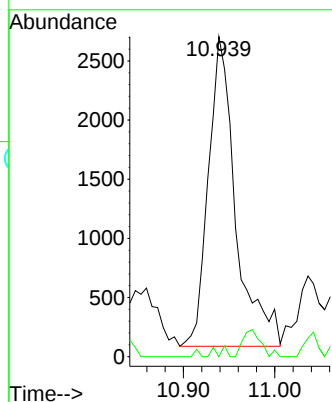
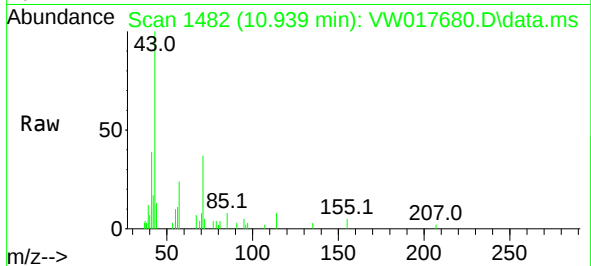




#59
2-Hexanone
Concen: 5.93 ug/l
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

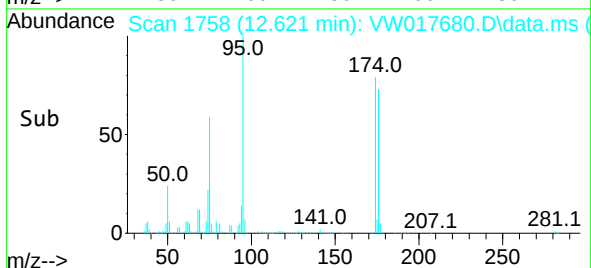
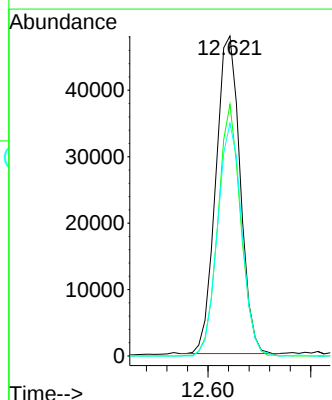
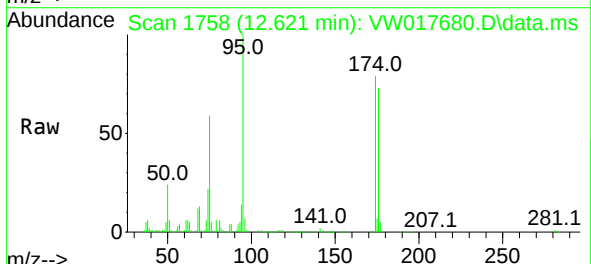
Instrument :
MSVOA_W
ClientSampleId :

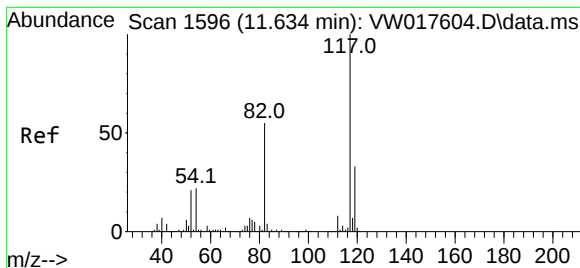
Tgt Ion: 43 Resp: 5456
Ion Ratio Lower Upper
43 100
58 0.5 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 25.36 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

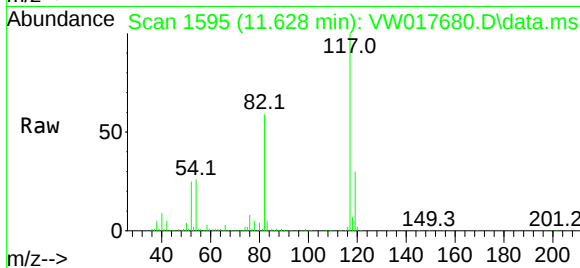
Tgt Ion: 95 Resp: 78496
Ion Ratio Lower Upper
95 100
174 74.4 0.0 180.6
176 72.7 0.0 177.6



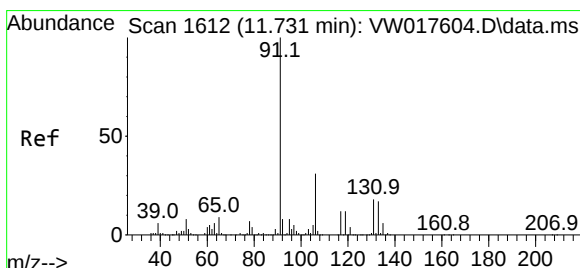
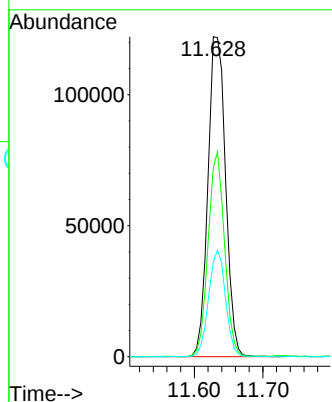
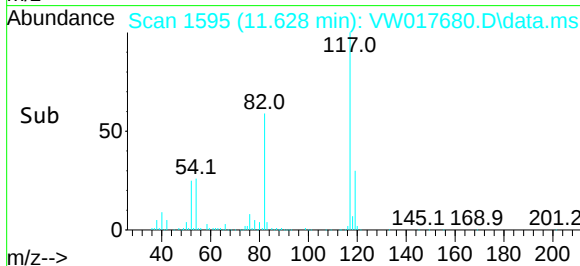


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.628 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

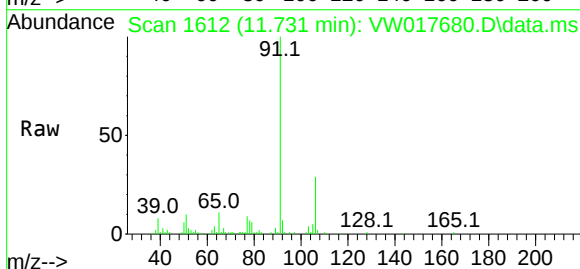
Instrument :
MSVOA_W
ClientSampleId :



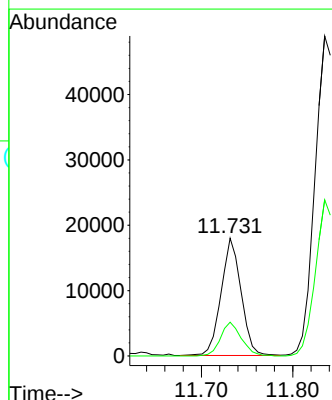
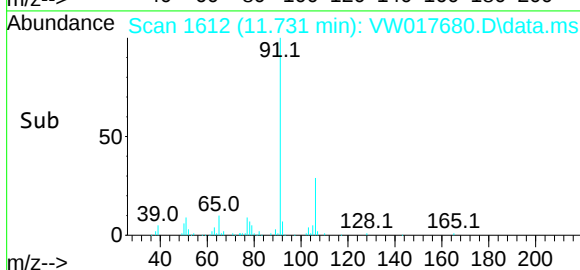
Tgt Ion:117 Resp: 219405
Ion Ratio Lower Upper
117 100
82 59.1 40.7 61.1
119 29.5 25.0 37.4

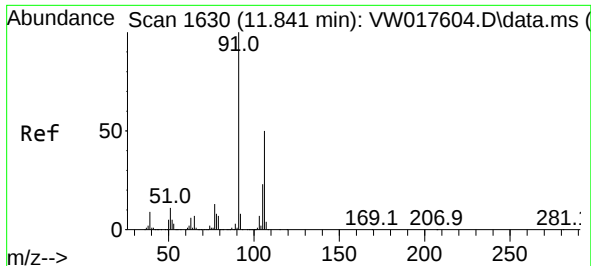


#67
Ethyl Benzene
Concen: 3.11 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53



Tgt Ion: 91 Resp: 27233
Ion Ratio Lower Upper
91 100
106 28.9 25.9 38.9

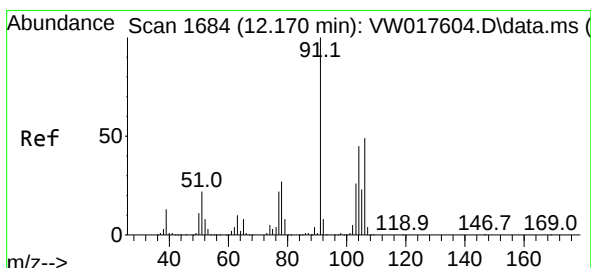
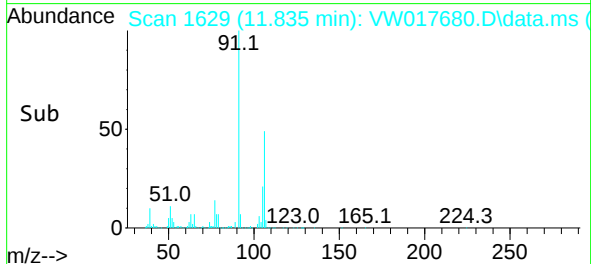
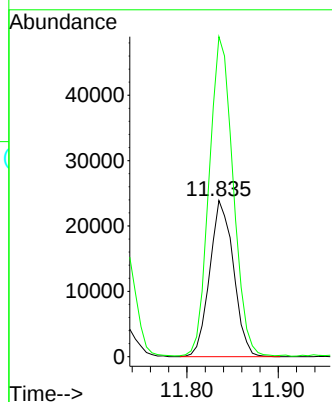
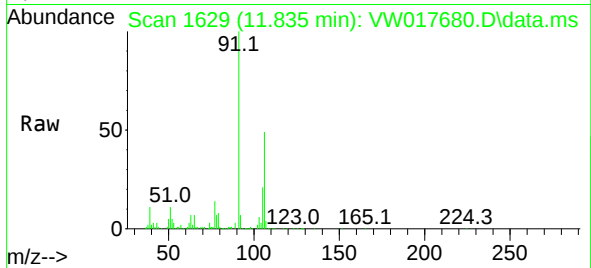




#68
m/p-Xylenes
Concen: 12.91 ug/l
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

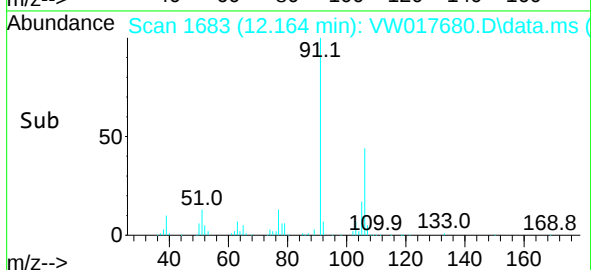
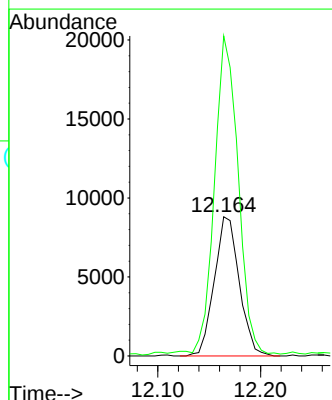
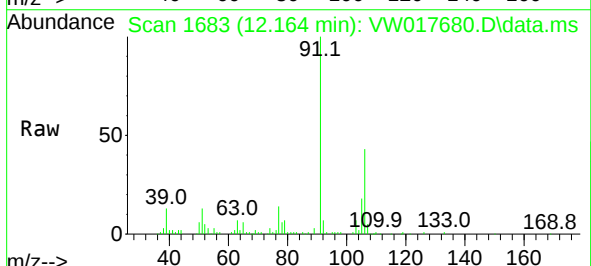
Instrument :
MSVOA_W
ClientSampleId :

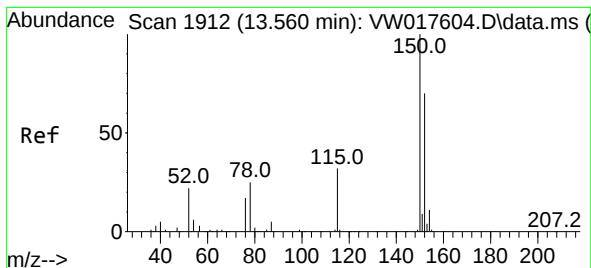
Tgt Ion:106 Resp: 43153
Ion Ratio Lower Upper
106 100
91 205.6 157.4 236.0



#69
o-Xylene
Concen: 4.70 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. -0.006 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Tgt Ion:106 Resp: 14818
Ion Ratio Lower Upper
106 100
91 216.7 103.6 310.9

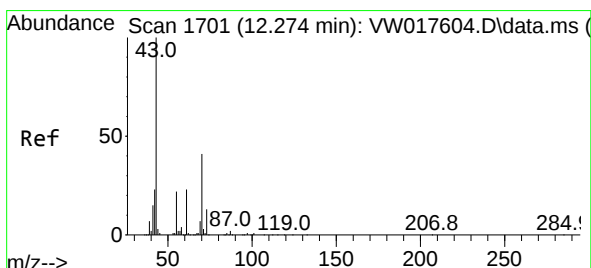
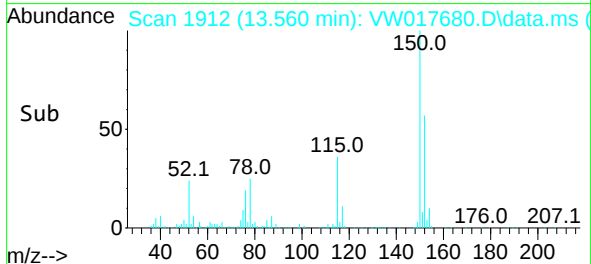
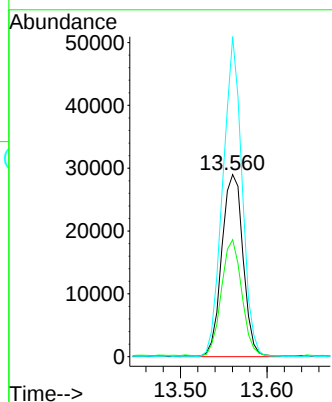
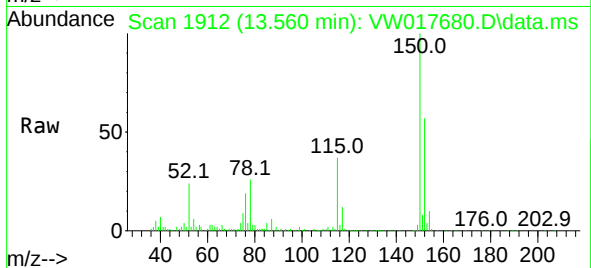




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

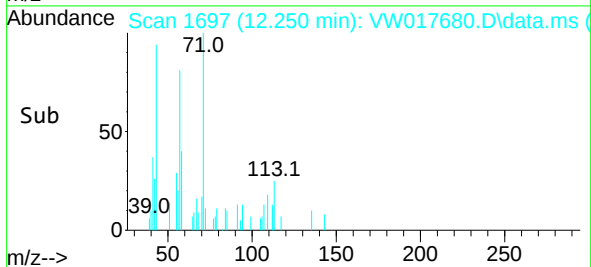
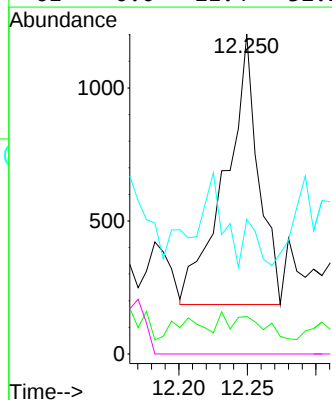
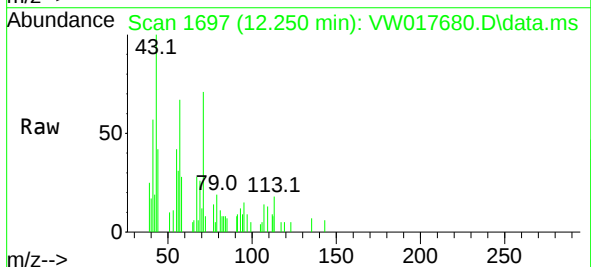
Instrument :
MSVOA_W
ClientSampleId :

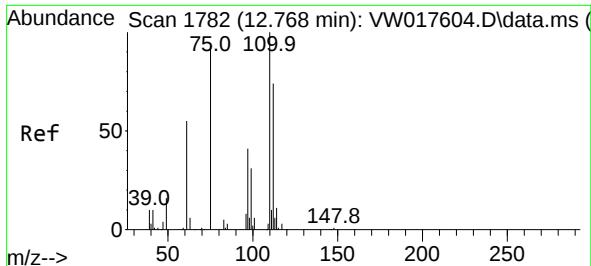
Tgt Ion:152 Resp: 49637
Ion Ratio Lower Upper
152 100
115 60.8 27.9 83.7
150 158.1 0.0 344.0



#74
N-ethyl acetate
Concen: 2.07 ug/l
RT: 12.250 min Scan# 1697
Delta R.T. -0.024 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Tgt Ion: 43 Resp: 1704
Ion Ratio Lower Upper
43 100
70 0.0 40.2 60.4#
55 7.7 21.4 32.0#
61 0.0 21.4 32.2#

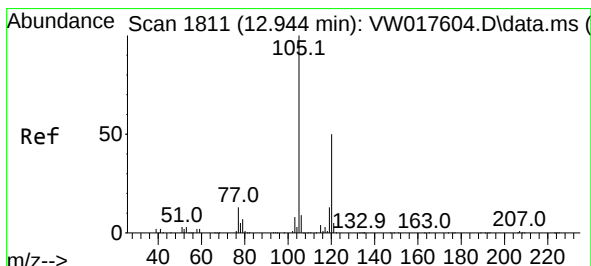
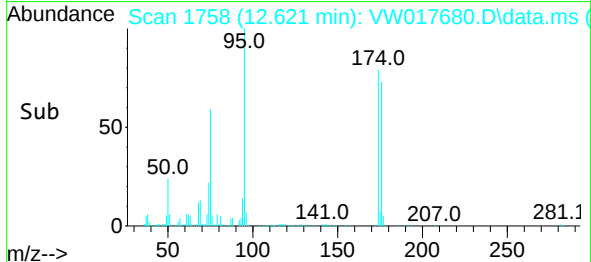
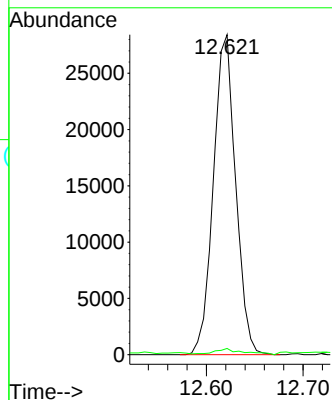
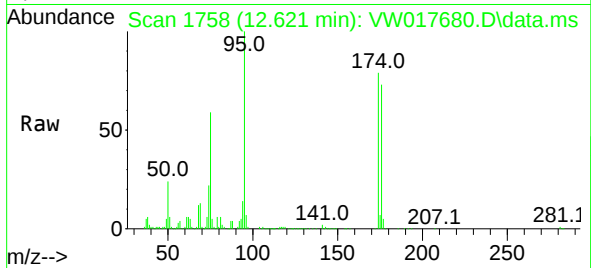




#76
1,2,3-Trichloropropane
Concen: 95.03 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

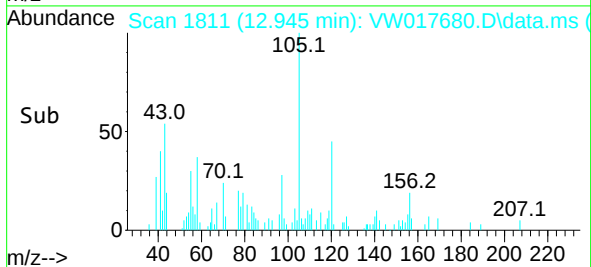
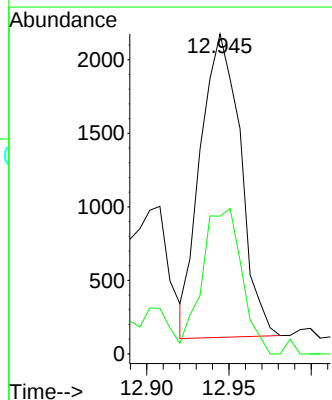
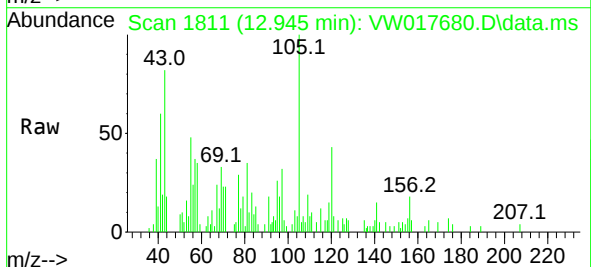
Instrument :
MSVOA_W
ClientSampleId :

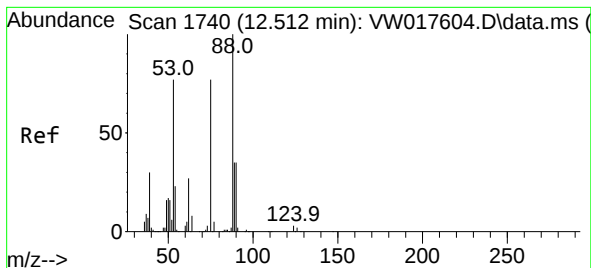
Tgt Ion: 75 Resp: 45407
Ion Ratio Lower Upper
75 100
77 2.4 178.8 536.3#



#80
1,3,5-Trimethylbenzene
Concen: 1.05 ug/l
RT: 12.945 min Scan# 1811
Delta R.T. 0.001 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Tgt Ion:105 Resp: 3485
Ion Ratio Lower Upper
105 100
120 47.3 24.9 74.8

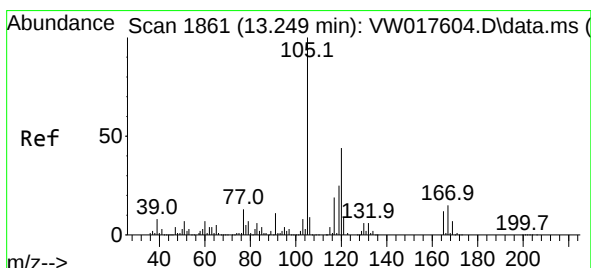
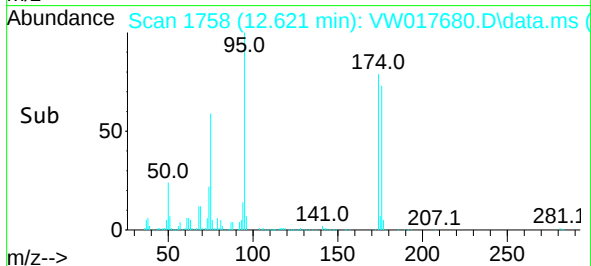
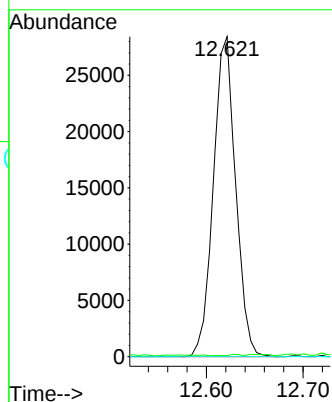
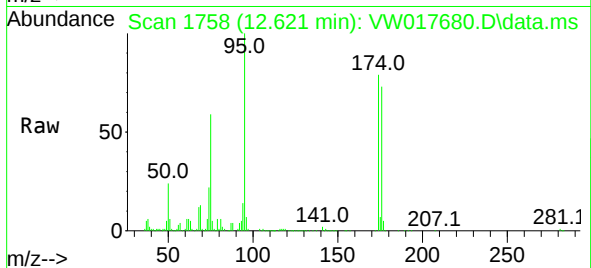




#81
trans-1,4-Dichloro-2-butene
Concen: 192.54 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.109 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

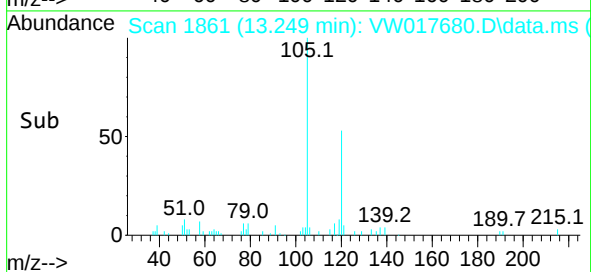
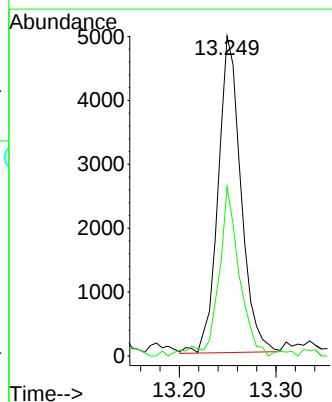
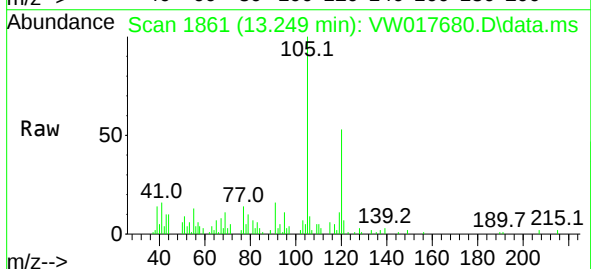
Instrument :
MSVOA_W
ClientSampleId :

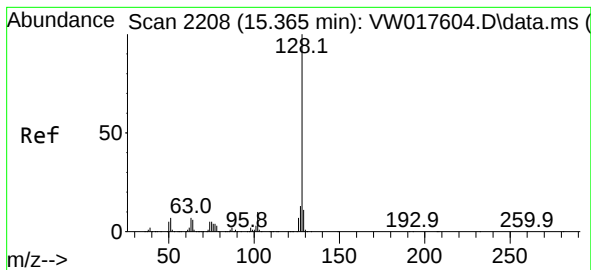
Tgt Ion: 75 Resp: 45407
Ion Ratio Lower Upper
75 100
53 0.2 77.0 115.4#
89 0.0 38.7 58.1#



#84
1,2,4-Trimethylbenzene
Concen: 2.47 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Tgt Ion: 105 Resp: 8096
Ion Ratio Lower Upper
105 100
120 48.2 23.4 70.0





#95
Naphthalene
Concen: 3.34 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017680.D
Acq: 18 Dec 2020 16:53

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 6517
Ion Ratio Lower Upper
128 100
127 16.5 10.4 15.6#
129 15.9 8.6 12.8#

