

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122120\
 Data File : VW017689.D
 Acq On : 21 Dec 2020 16:27
 Operator : SY/VA
 Sample : L5176-03
 Misc : 4.58G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 22 03:46:55 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)

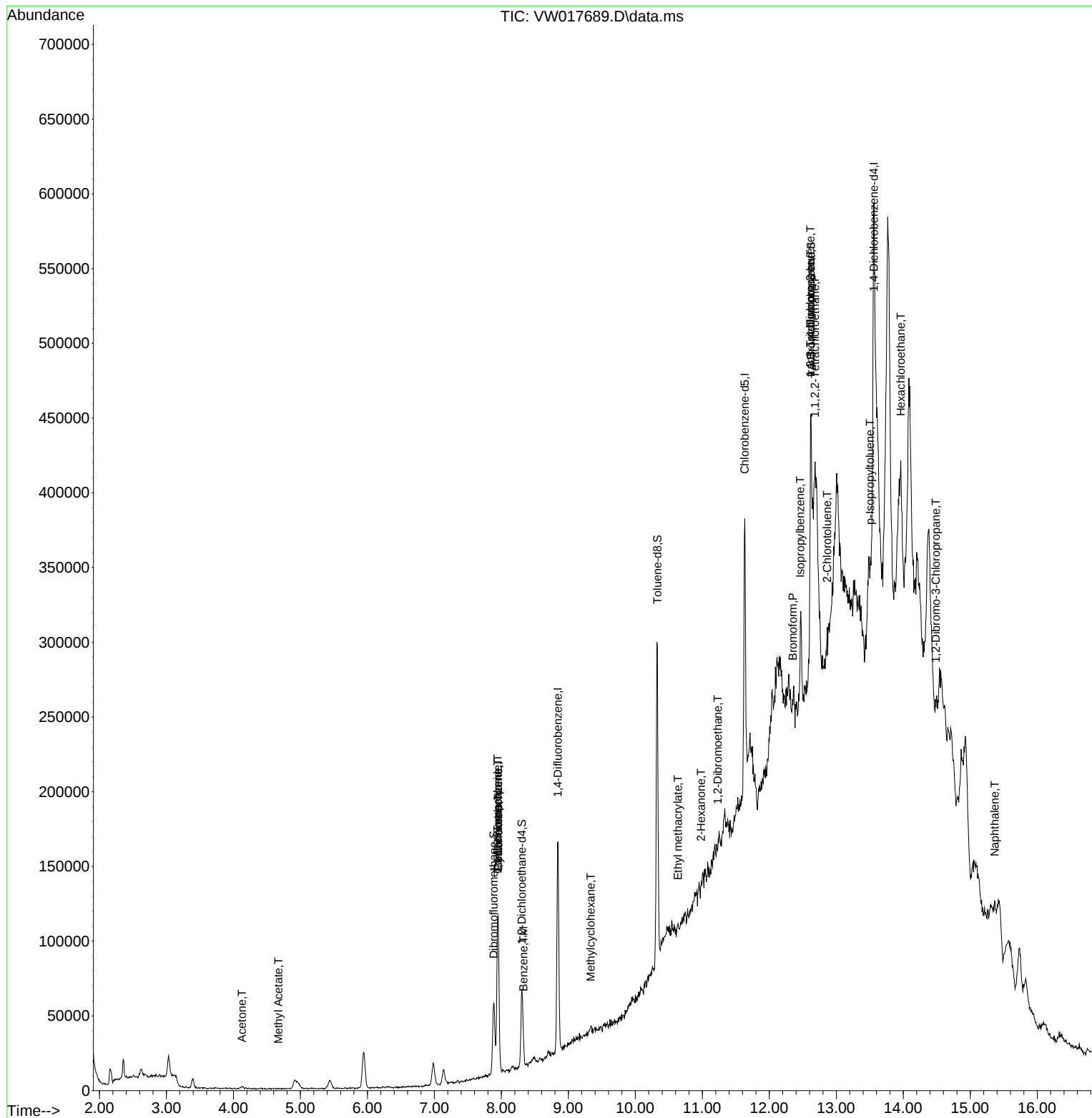
Internal Standards						
1) Pentafluorobenzene	7.951	168	74797	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.842	114	114865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	99132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	50396	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	39147	42.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.94%	
35) Dibromofluoromethane	7.884	113	34288	45.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.22%	
50) Toluene-d8	10.329	98	140374	47.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.86%	
62) 4-Bromofluorobenzene	12.621	95	58989	55.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.66%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.171	59	163	Below Cal	#	82
16) Acetone	4.129	43	2962	14.94	ug/l #	86
18) Methyl Acetate	4.672	43	480	1.19	ug/l #	45
20) Methylene Chloride	4.915	84	3268	Below Cal	#	82
26) 2,2-Dichloropropane	7.128	77	597	Below Cal		80
31) Cyclohexane	7.951	56	3761	2.39	ug/l #	54
36) 1,1-Dichloropropene	7.945	75	6467	5.38	ug/l #	52
38) Carbon Tetrachloride	7.945	117	8519	7.05	ug/l #	13
39) Methylcyclohexane	9.335	83	1835	1.20	ug/l #	64
40) Benzene	8.329	78	4305	1.35	ug/l	92
56) Ethyl methacrylate	10.634	69	856	1.13	ug/l #	23
59) 2-Hexanone	10.981	43	377	1.20	ug/l	99
61) 1,2-Dibromoethane	11.231	107	1609	2.77	ug/l	82
71) Bromoform	12.353	173	625	1.55	ug/l #	71
73) Isopropylbenzene	12.463	105	5927	1.49	ug/l	76
75) 1,1,2,2-Tetrachloroethane	12.682	83	31543	47.46	ug/l #	27
76) 1,2,3-Trichloropropane	12.615	75	25021	51.58	ug/l #	1
79) 2-Chlorotoluene	12.865	91	2748	1.04	ug/l	85
81) trans-1,4-Dichloro-2-b...	12.615	75	25021	104.50	ug/l #	11
86) p-Isopropyltoluene	13.505	119	6737	1.84	ug/l #	77
90) Hexachloroethane	13.963	117	1668	2.32	ug/l	56
92) 1,2-Dibromo-3-Chloropr...	14.487	75	240	1.98	ug/l #	5
95) Naphthalene	15.365	128	3399	1.72	ug/l #	79

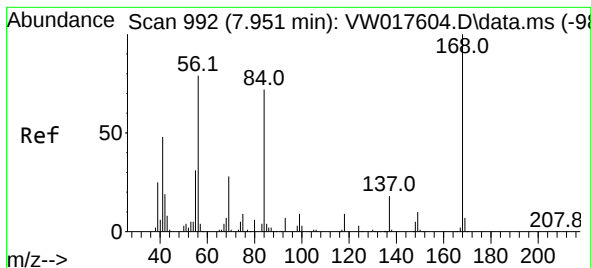
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 03:46:55 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

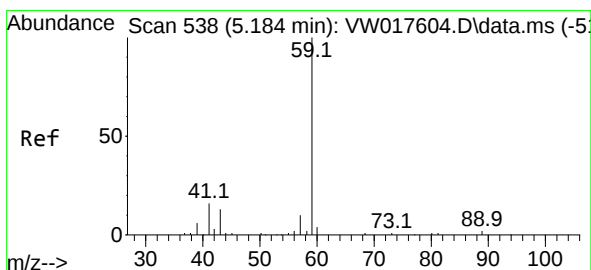
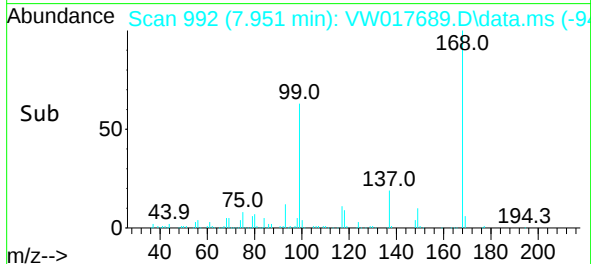
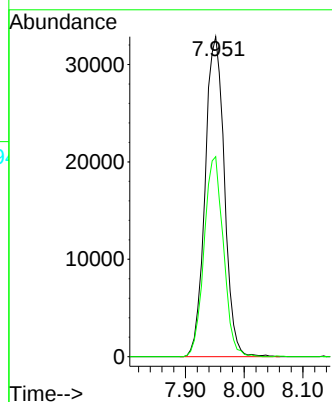
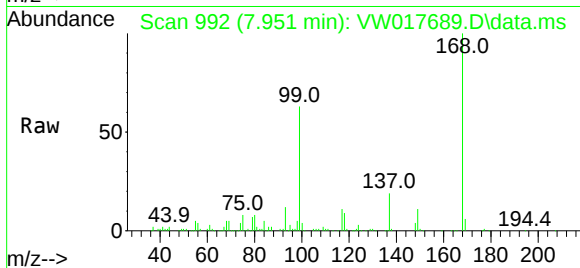




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

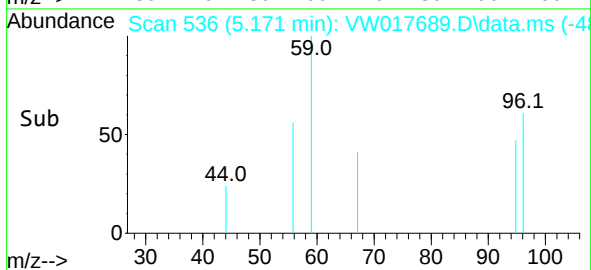
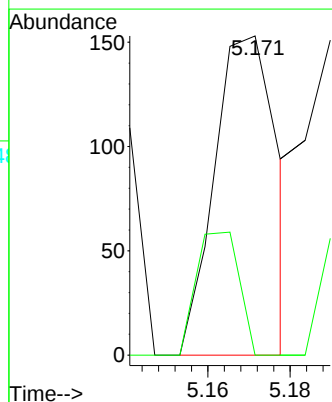
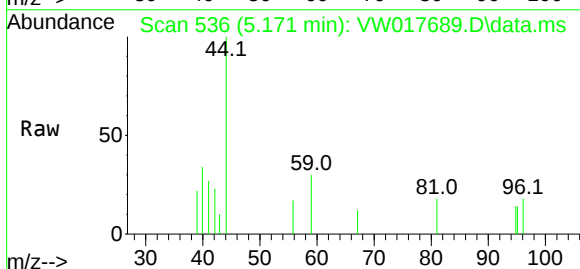
Instrument :
MSVOA_W
ClientSampleId :

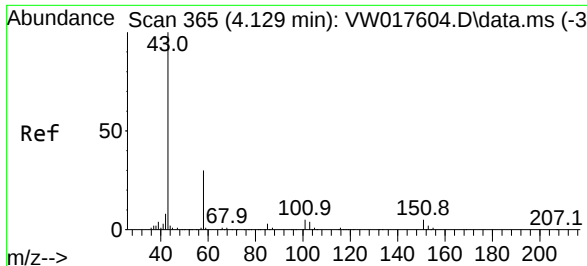
Tgt Ion:168 Resp: 74797
Ion Ratio Lower Upper
168 100
99 62.5 40.7 61.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.171 min Scan# 536
Delta R.T. -0.013 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

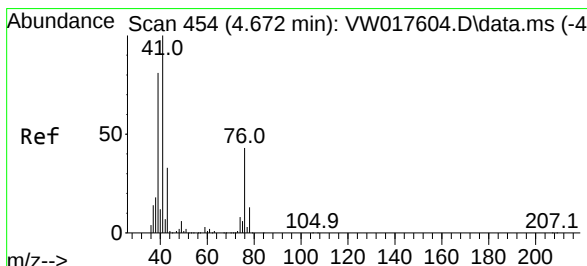
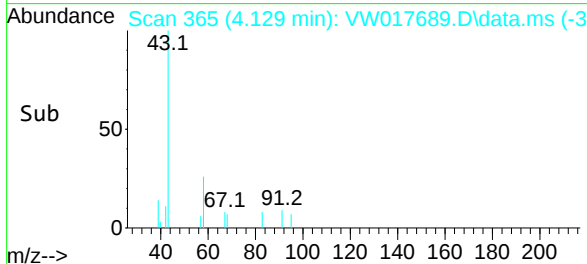
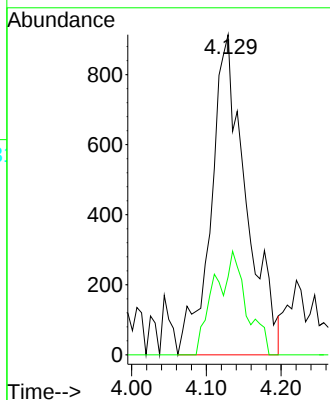
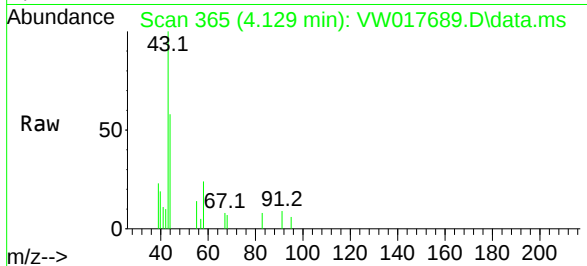




#16
Acetone
Concen: 14.94 ug/l
RT: 4.129 min Scan# 365
Delta R.T. -0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

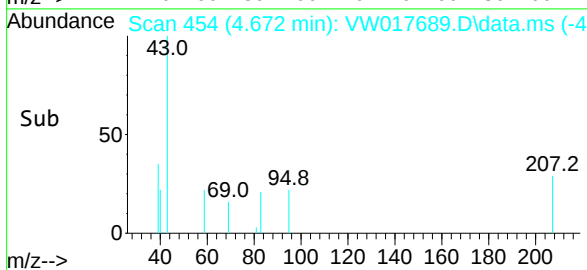
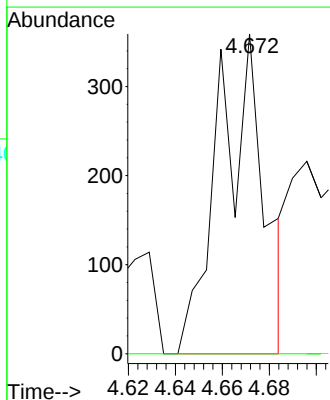
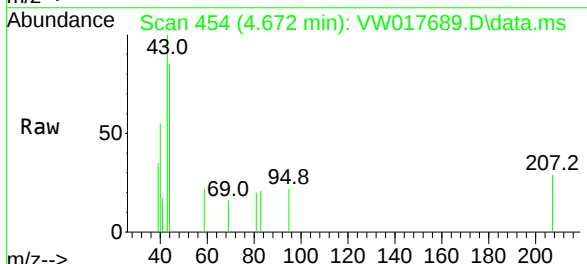
Instrument :
MSVOA_W
ClientSampleId :

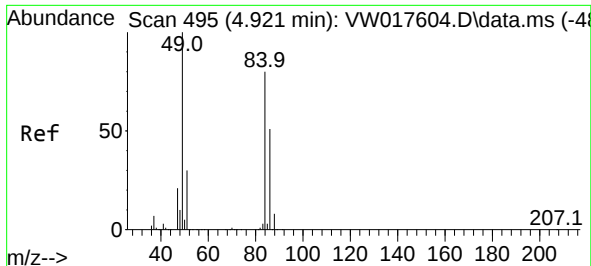
Tgt Ion: 43 Resp: 2962
Ion Ratio Lower Upper
43 100
58 24.4 25.7 38.5#



#18
Methyl Acetate
Concen: 1.19 ug/l
RT: 4.672 min Scan# 454
Delta R.T. -0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Tgt Ion: 43 Resp: 480
Ion Ratio Lower Upper
43 100
74 0.0 23.8 35.6#





#20

Methylene Chloride

Concen: Below Cal

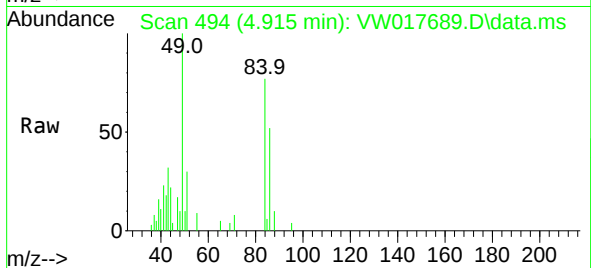
RT: 4.915 min Scan# 494

Delta R.T. -0.006 min

Lab File: VW017689.D

Acq: 21 Dec 2020 16:27

Instrument :
MSVOA_W
ClientSampled :



Tgt Ion: 84 Resp: 3268

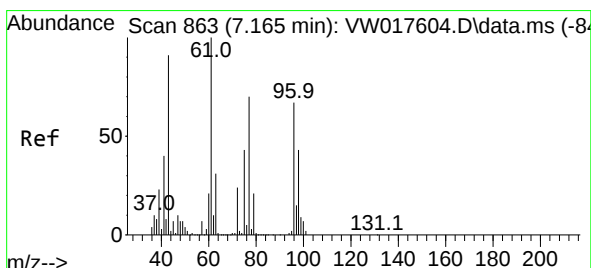
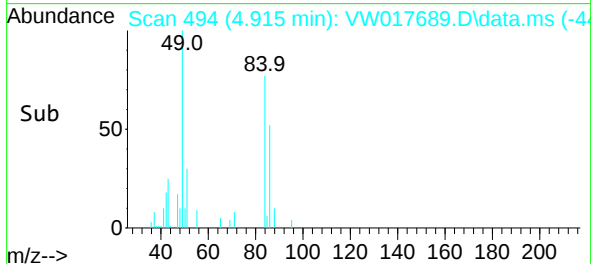
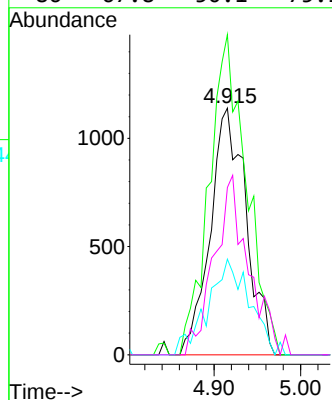
Ion Ratio Lower Upper

84 100

49 129.7 79.0 118.6#

51 33.7 26.1 39.1

86 67.8 50.1 75.1



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.128 min Scan# 857

Delta R.T. -0.037 min

Lab File: VW017689.D

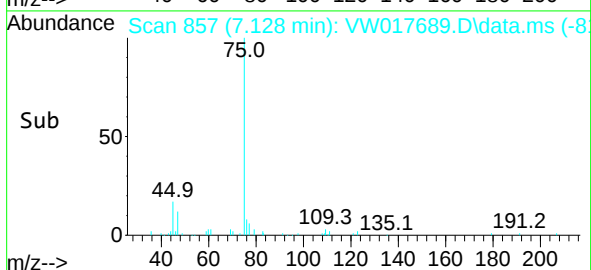
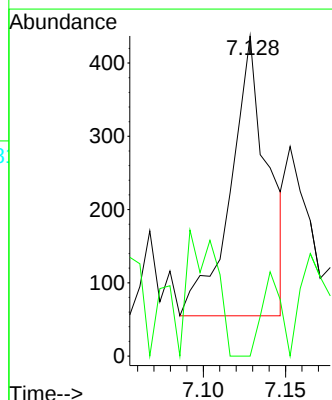
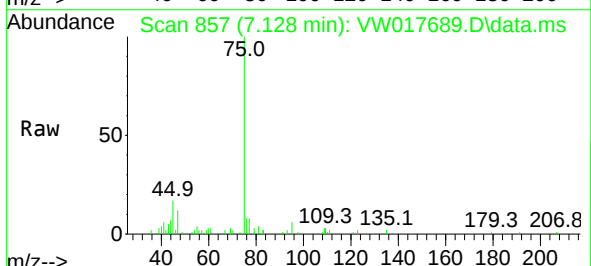
Acq: 21 Dec 2020 16:27

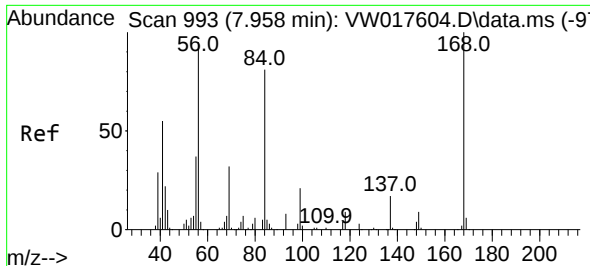
Tgt Ion: 77 Resp: 597

Ion Ratio Lower Upper

77 100

97 15.1 12.4 37.4

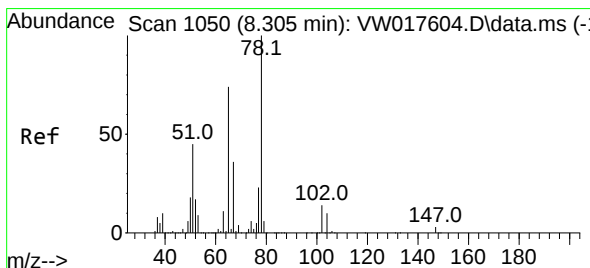
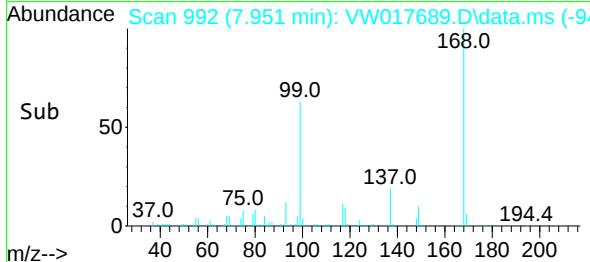
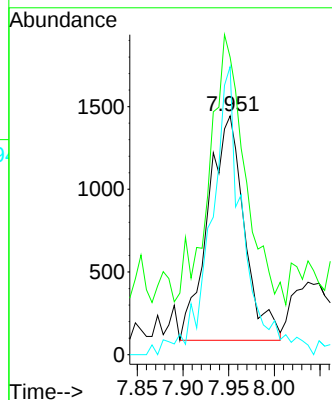
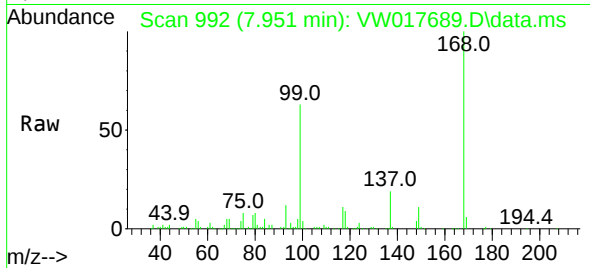




#31
Cyclohexane
Concen: 2.39 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.007 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

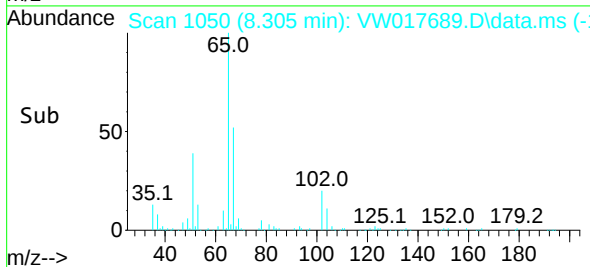
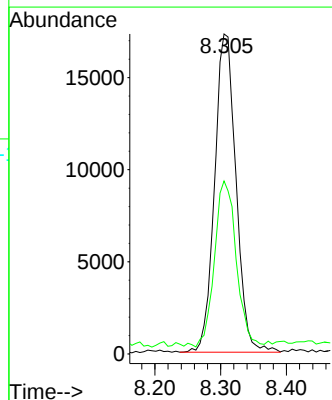
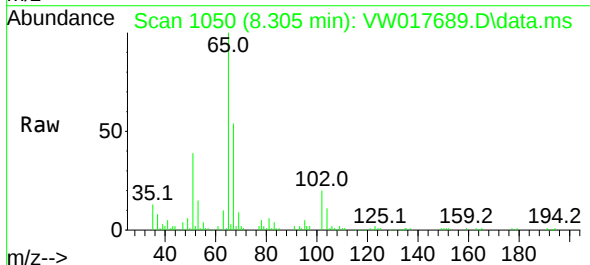
Instrument :
MSVOA_W
ClientSampleId :

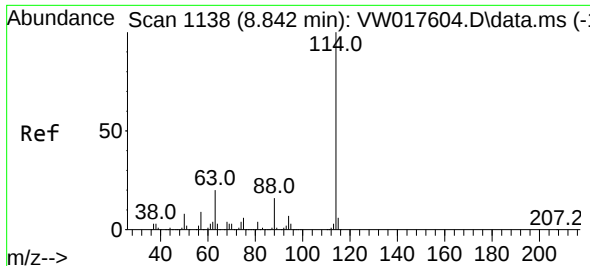
Tgt Ion: 56 Resp: 3761
Ion Ratio Lower Upper
56 100
69 105.1 29.3 43.9#
84 121.7 80.5 120.7#



#33
1,2-Dichloroethane-d4
Concen: 42.97 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Tgt Ion: 65 Resp: 39147
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.8

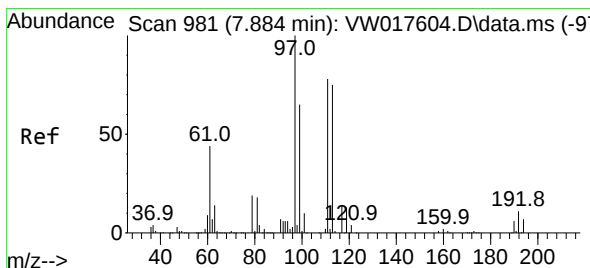
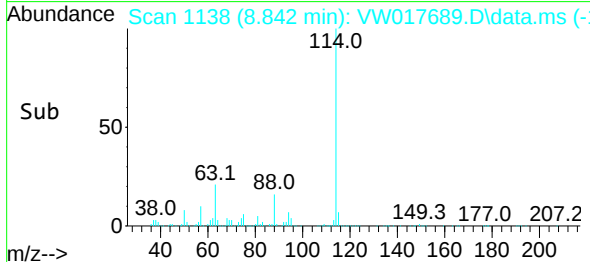
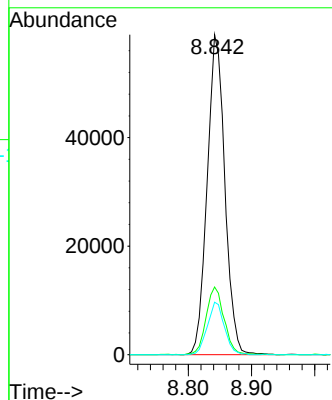
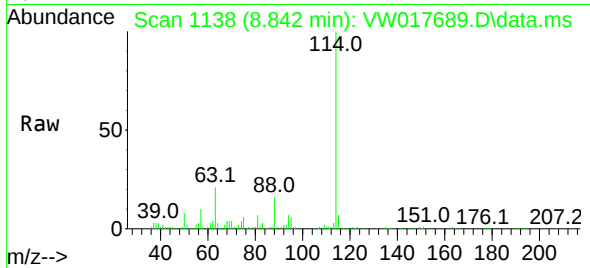




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

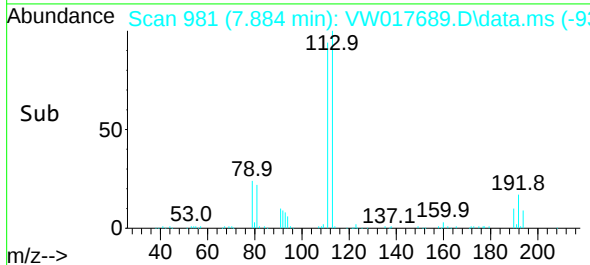
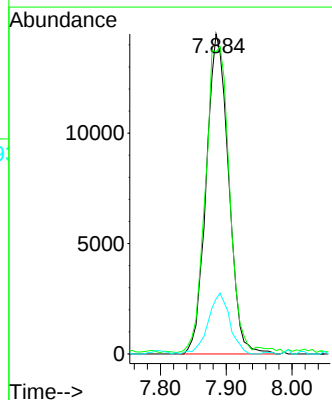
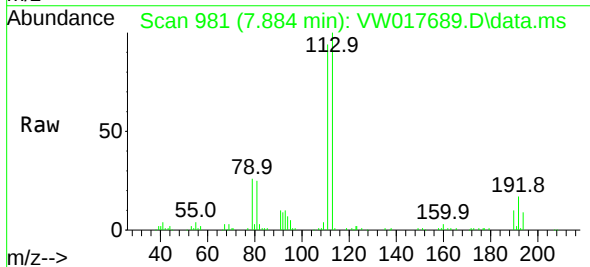
Instrument :
MSVOA_W
ClientSampleId :

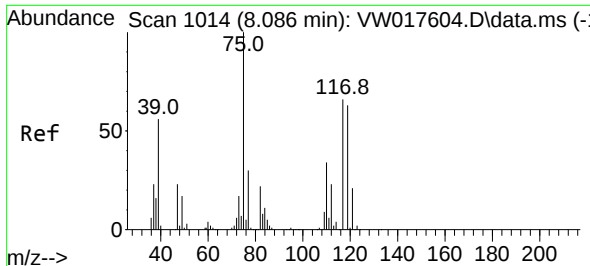
Tgt Ion:114 Resp: 114865
Ion Ratio Lower Upper
114 100
63 21.2 0.0 35.6
88 16.4 0.0 30.4



#35
Dibromofluoromethane
Concen: 45.11 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

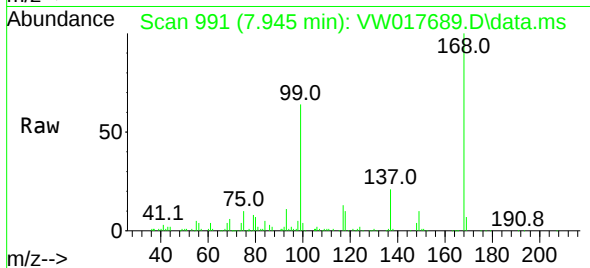
Tgt Ion:113 Resp: 34288
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.2
192 18.5 17.8 26.8



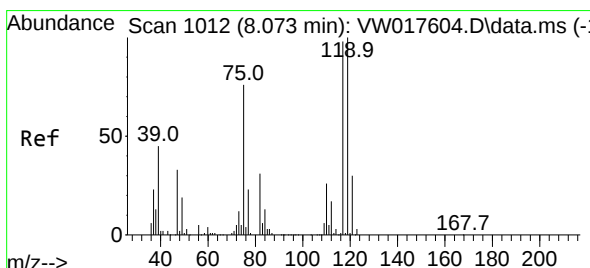
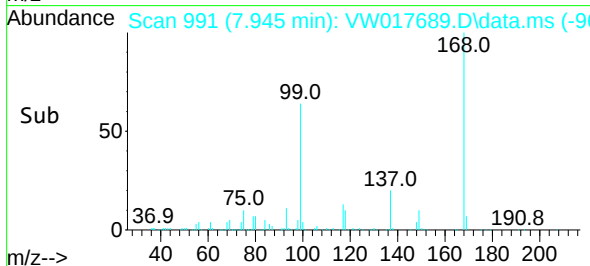
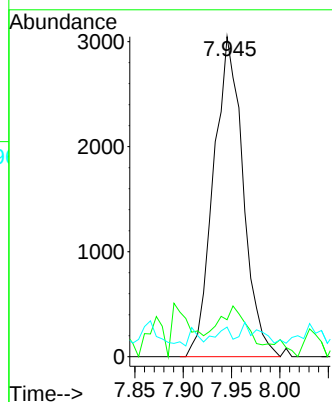


#36
1,1-Dichloropropene
Concen: 5.38 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.141 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Instrument :
MSVOA_W
ClientSampleId :

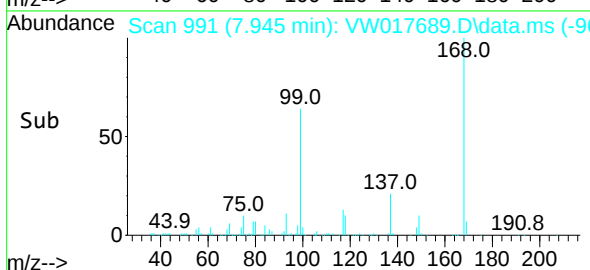
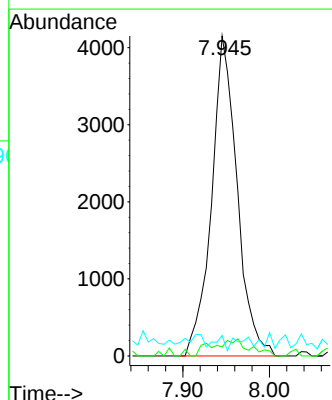
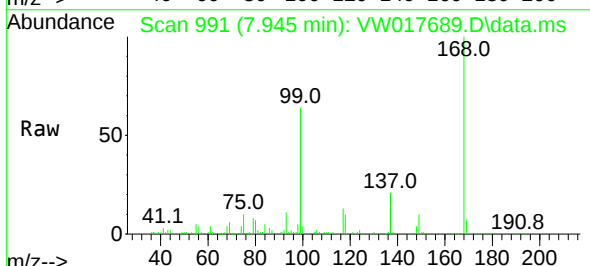


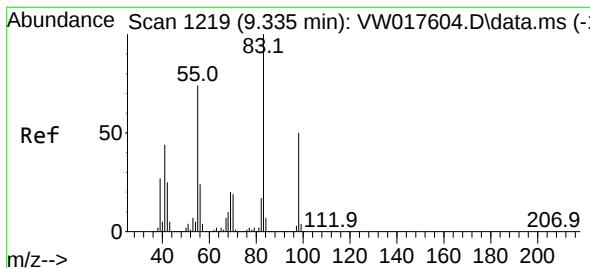
Tgt Ion: 75 Resp: 6467
Ion Ratio Lower Upper
75 100
110 11.7 19.3 57.9#
77 2.1 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 7.05 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.128 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Tgt Ion: 117 Resp: 8519
Ion Ratio Lower Upper
117 100
119 2.8 81.6 122.4#
121 2.2 25.7 38.5#

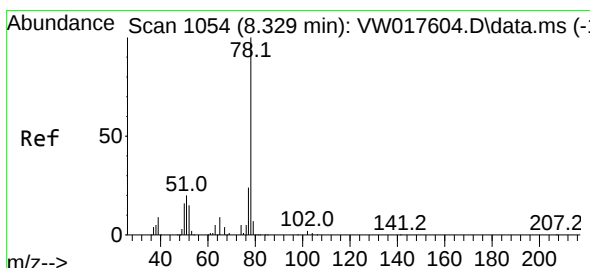
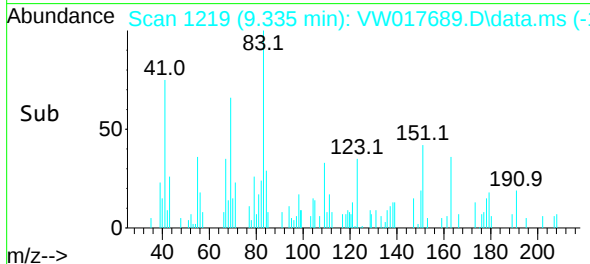
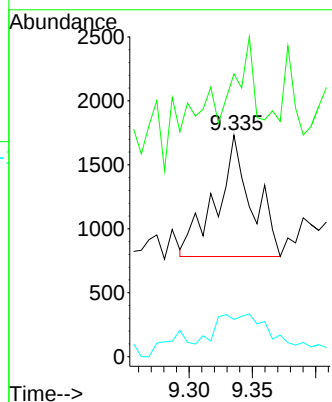
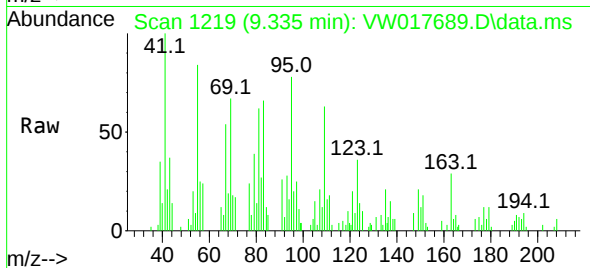




#39
Methylcyclohexane
Concen: 1.20 ug/l
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

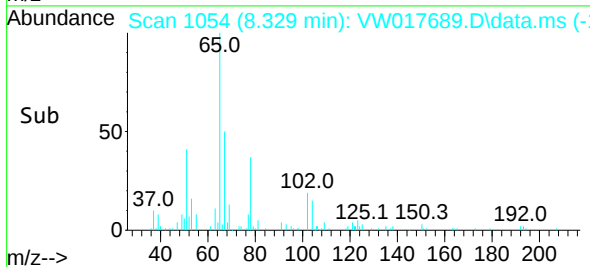
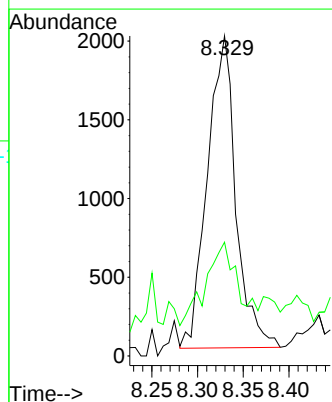
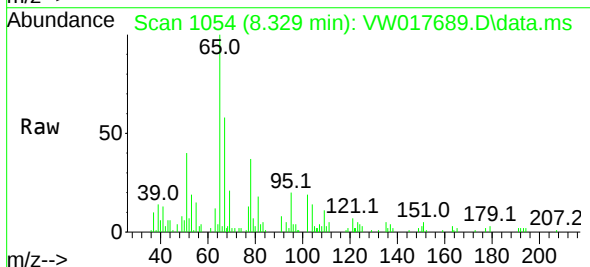
Instrument :
MSVOA_W
ClientSampleId :

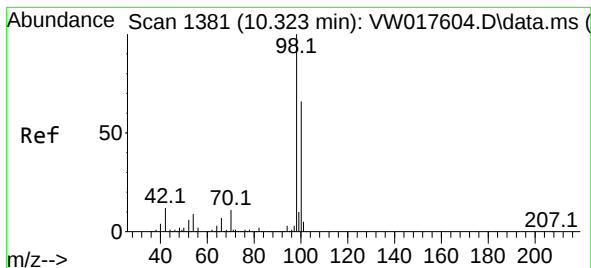
Tgt Ion: 83 Resp: 1835
Ion Ratio Lower Upper
83 100
55 47.6 51.7 77.5#
98 12.9 41.0 61.4#



#40
Benzene
Concen: 1.35 ug/l
RT: 8.329 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Tgt Ion: 78 Resp: 4305
Ion Ratio Lower Upper
78 100
77 26.8 18.5 27.7

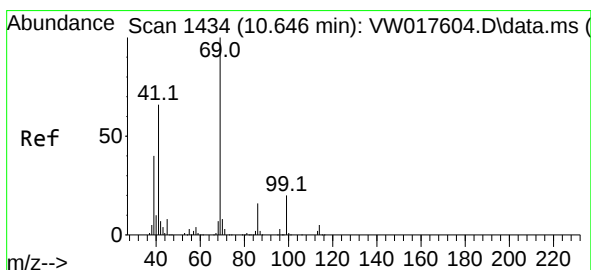
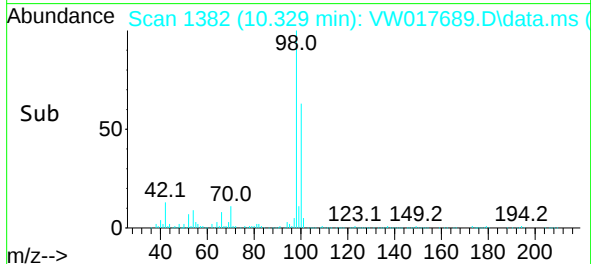
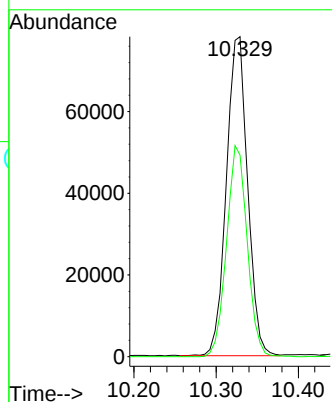
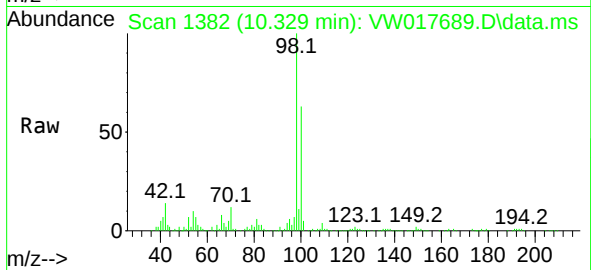




#50
Toluene-d8
Concen: 47.43 ug/l
RT: 10.329 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

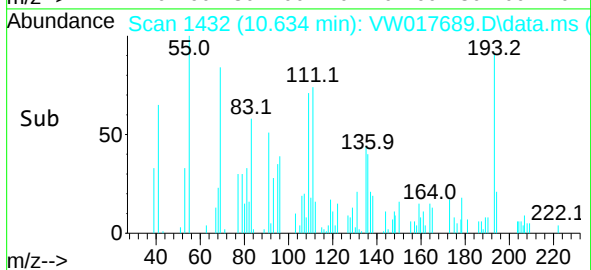
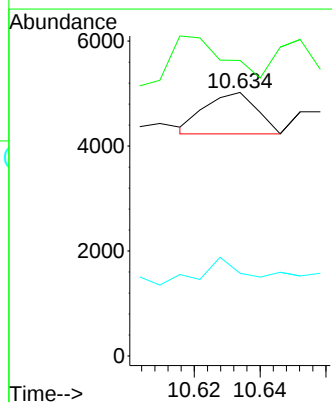
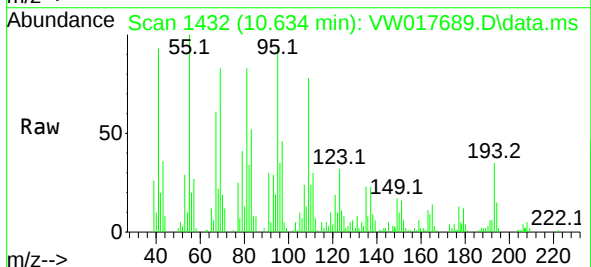
Instrument :
MSVOA_W
ClientSampled :

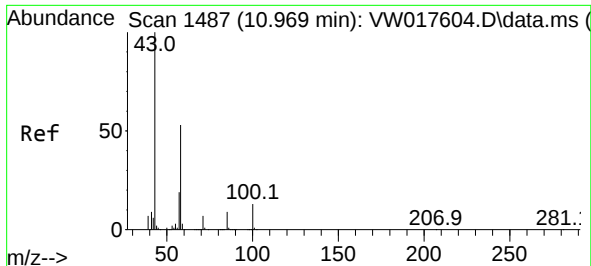
Tgt Ion: 98 Resp: 140374
Ion Ratio Lower Upper
98 100
100 64.3 53.3 79.9



#56
Ethyl methacrylate
Concen: 1.13 ug/l
RT: 10.634 min Scan# 1432
Delta R.T. -0.012 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Tgt Ion: 69 Resp: 856
Ion Ratio Lower Upper
69 100
41 132.2 46.3 69.5#
39 52.2 25.9 38.9#

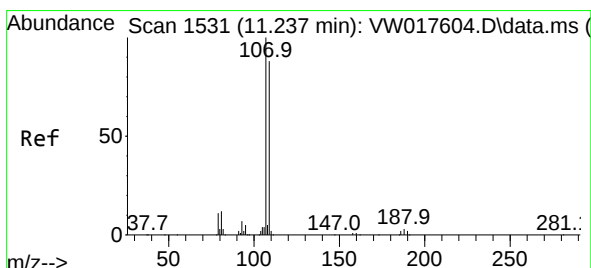
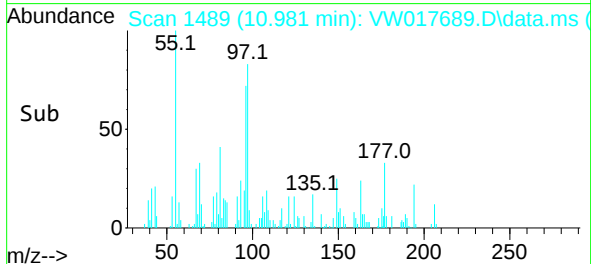
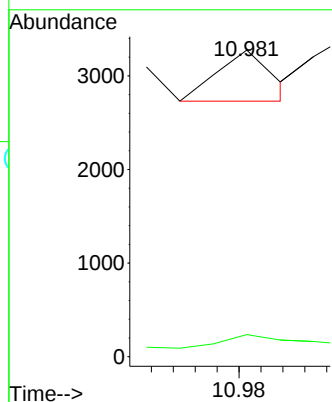
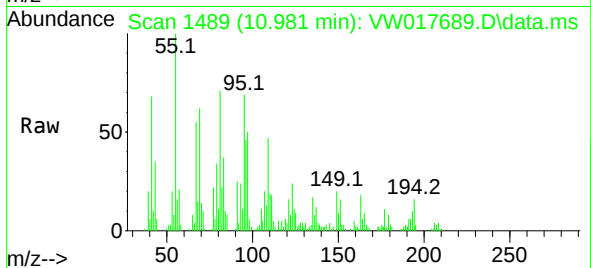




#59
2-Hexanone
Concen: 1.20 ug/l
RT: 10.981 min Scan# 1489
Delta R.T. 0.012 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

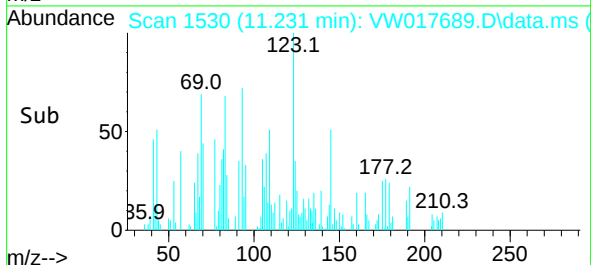
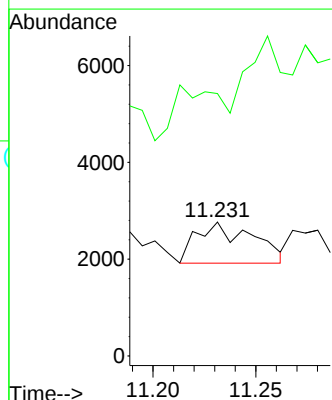
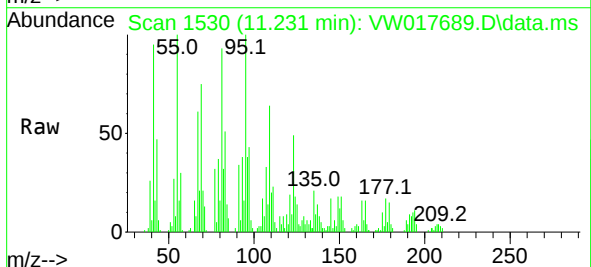
Instrument :
MSVOA_W
ClientSampleId :

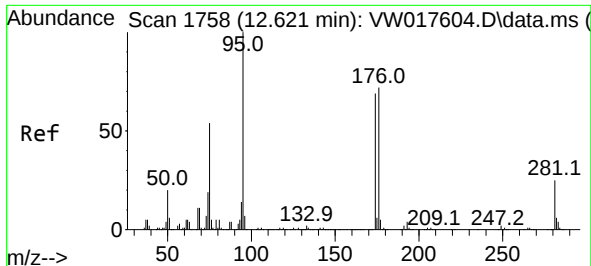
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
58 58.6 29.5 88.5



#61
1,2-Dibromoethane
Concen: 2.77 ug/l
RT: 11.231 min Scan# 1530
Delta R.T. -0.006 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Tgt Ion: 107 Resp: 1609
Ion Ratio Lower Upper
107 100
109 110.5 74.7 112.1

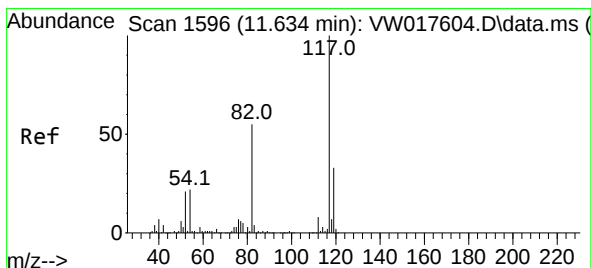
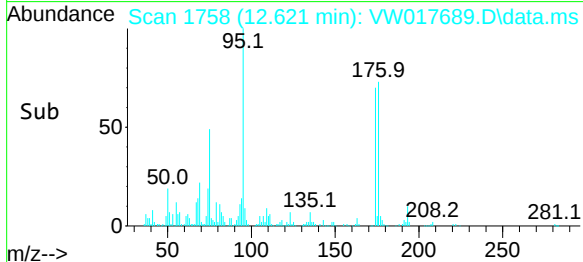
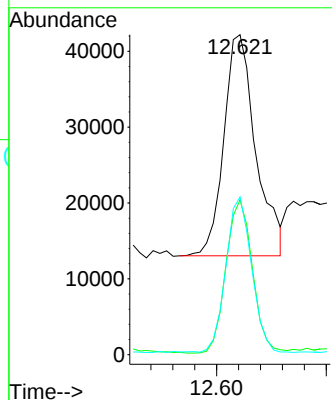
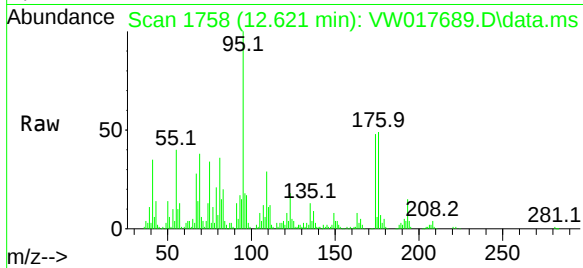




#62
4-Bromofluorobenzene
Concen: 55.83 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

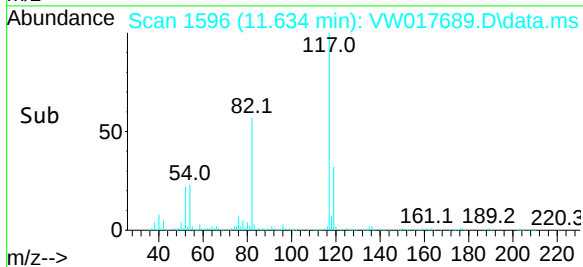
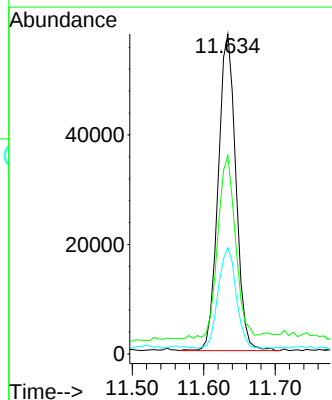
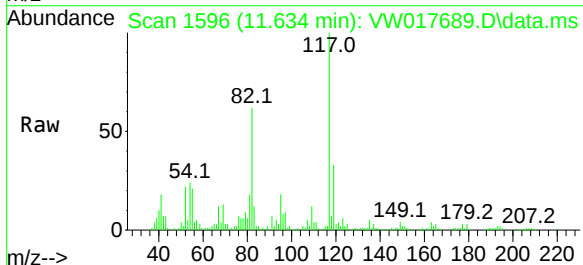
Instrument :
MSVOA_W
ClientSampleId :

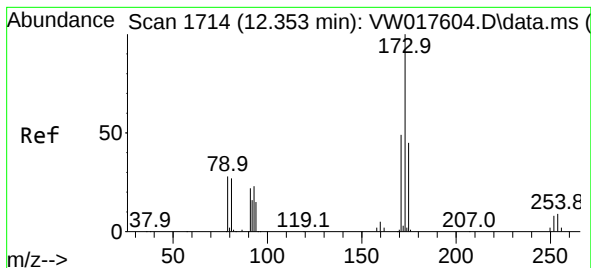
Tgt Ion: 95 Resp: 58989
Ion Ratio Lower Upper
95 100
174 57.4 0.0 180.6
176 56.5 0.0 177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Tgt Ion:117 Resp: 99132
Ion Ratio Lower Upper
117 100
82 57.9 40.7 61.1
119 31.7 25.0 37.4





#71

Bromoform

Concen: 1.55 ug/l

RT: 12.353 min Scan# 1714

Delta R.T. 0.000 min

Lab File: VW017689.D

Acq: 21 Dec 2020 16:27

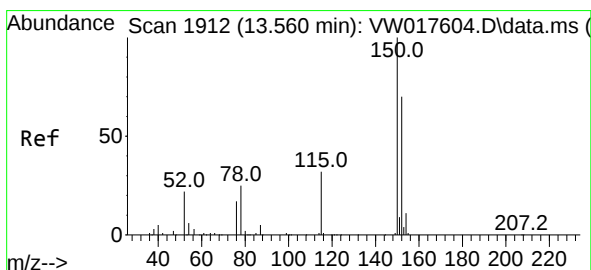
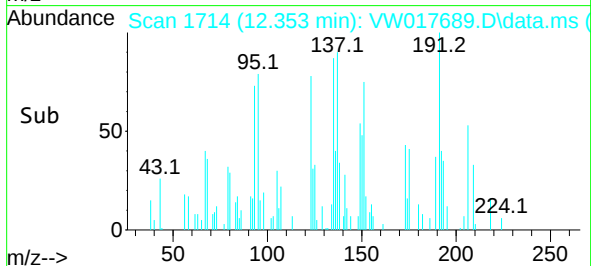
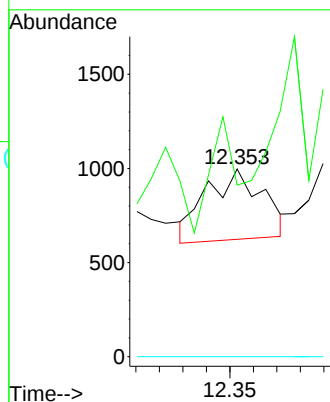
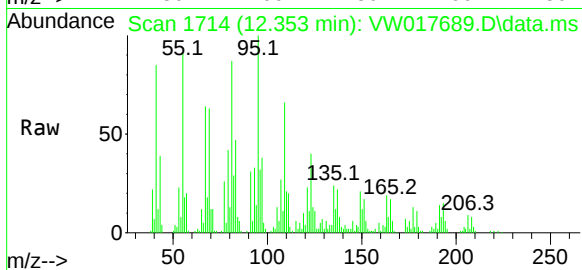
Tgt Ion:173 Resp: 625

Ion Ratio Lower Upper

173 100

175 69.3 24.7 74.1

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.560 min Scan# 1912

Delta R.T. 0.000 min

Lab File: VW017689.D

Acq: 21 Dec 2020 16:27

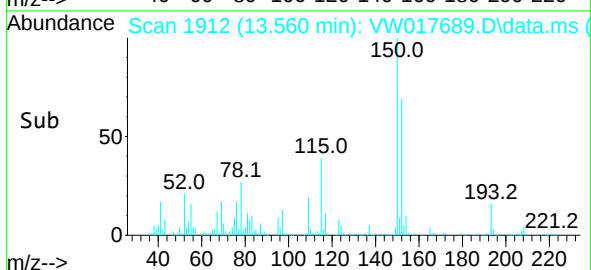
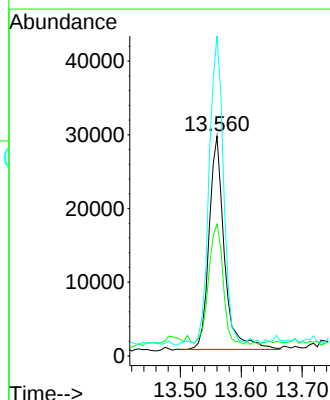
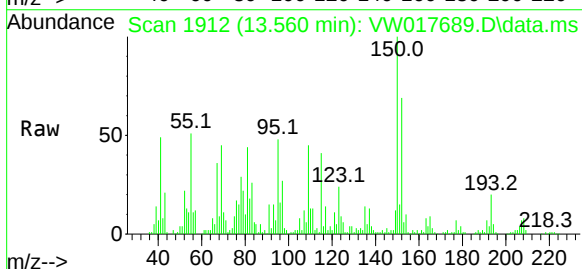
Tgt Ion:152 Resp: 50396

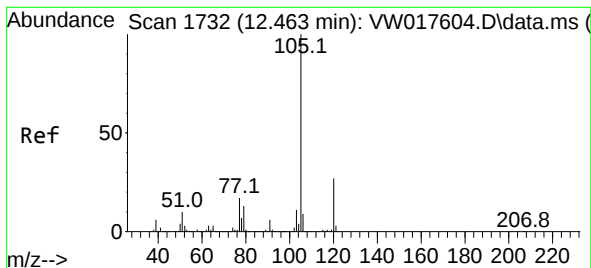
Ion Ratio Lower Upper

152 100

115 53.2 27.9 83.7

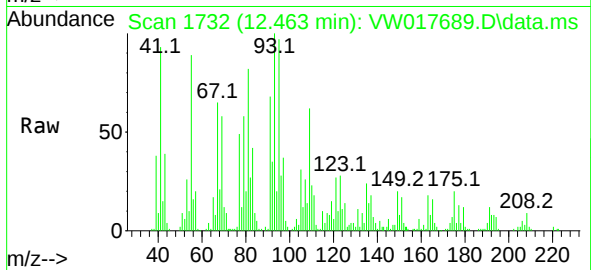
150 136.7 0.0 344.0



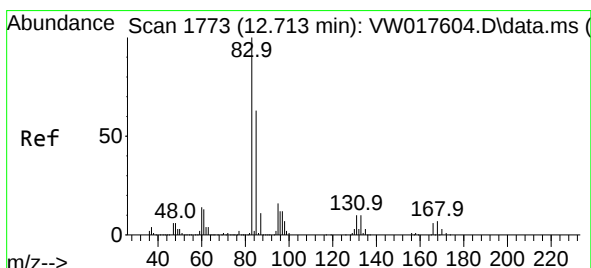
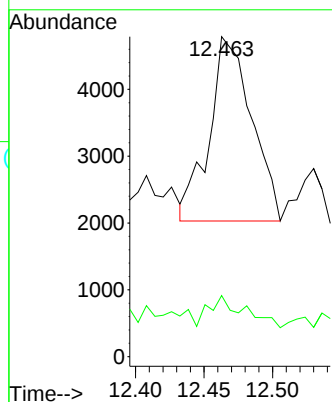
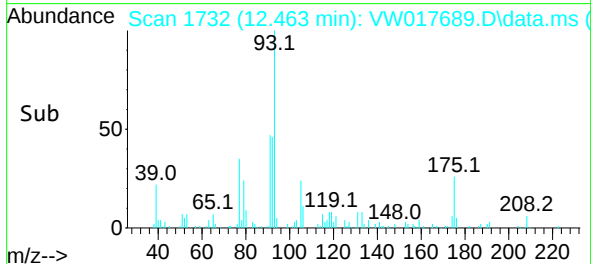


#73
Isopropylbenzene
Concen: 1.49 ug/l
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

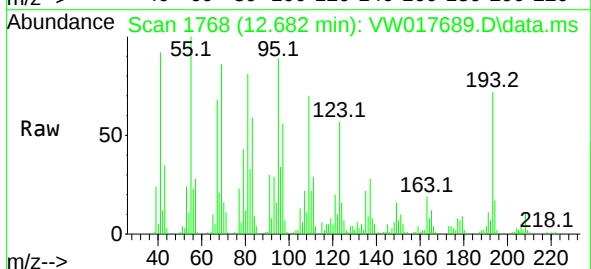
Instrument :
MSVOA_W
ClientSampled :



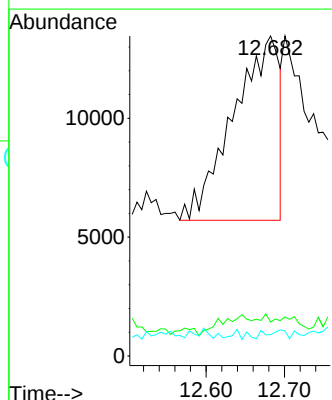
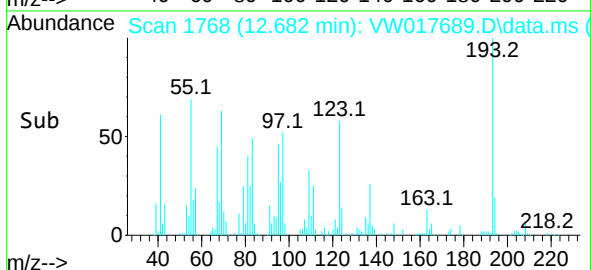
Tgt Ion:105 Resp: 5927
Ion Ratio Lower Upper
105 100
120 14.5 13.6 40.7

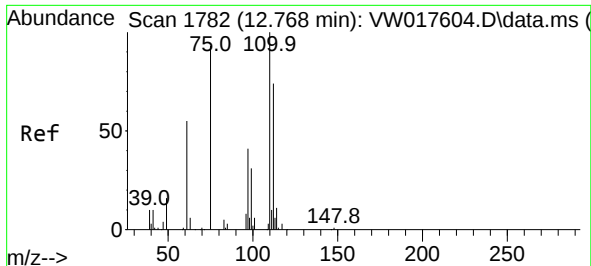


#75
1,1,2,2-Tetrachloroethane
Concen: 47.46 ug/l
RT: 12.682 min Scan# 1768
Delta R.T. -0.031 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27



Tgt Ion: 83 Resp: 31543
Ion Ratio Lower Upper
83 100
131 0.0 6.1 18.3#
85 1.1 32.7 98.1#

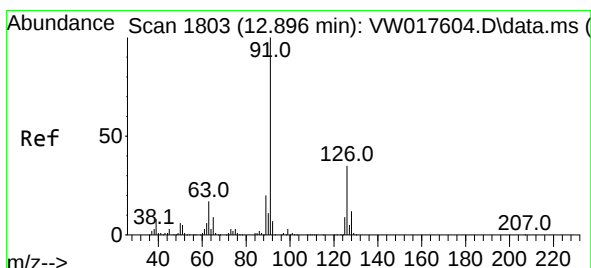
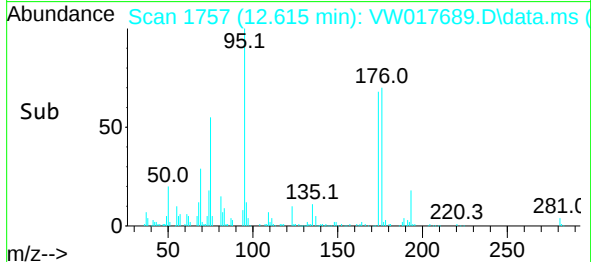
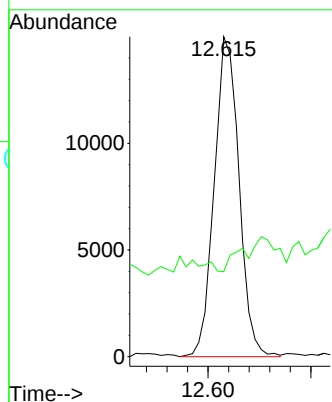
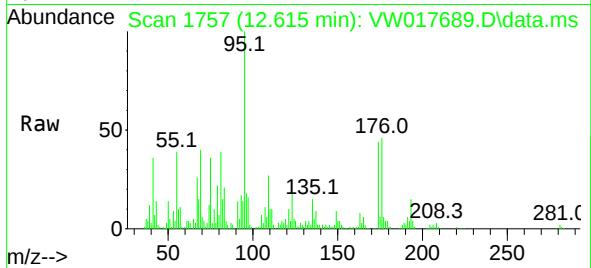




#76
1,2,3-Trichloropropane
Concen: 51.58 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

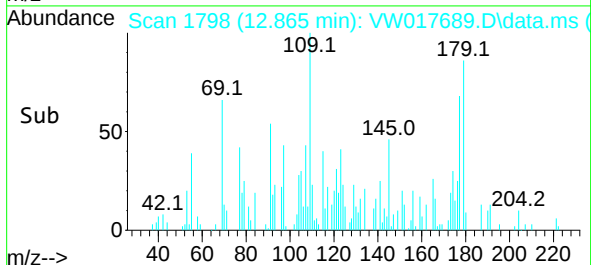
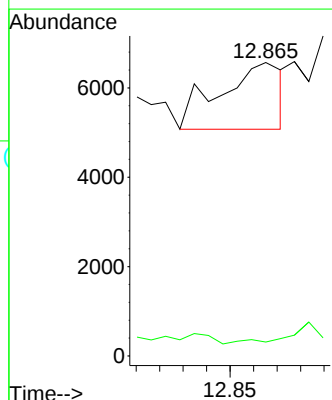
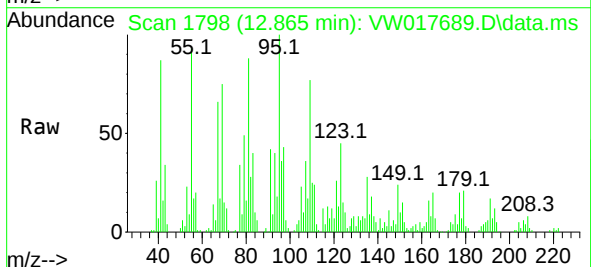
Instrument :
MSVOA_W
ClientSampled :

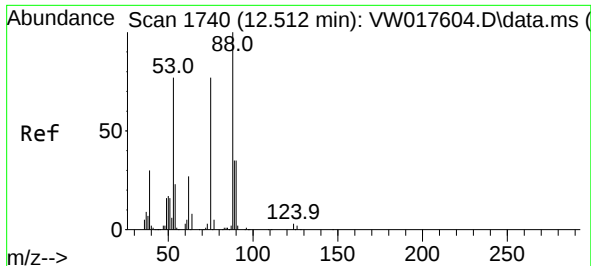
Tgt Ion: 75 Resp: 25021
Ion Ratio Lower Upper
75 100
77 0.0 178.8 536.3#



#79
2-Chlorotoluene
Concen: 1.04 ug/l
RT: 12.865 min Scan# 1798
Delta R.T. -0.031 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

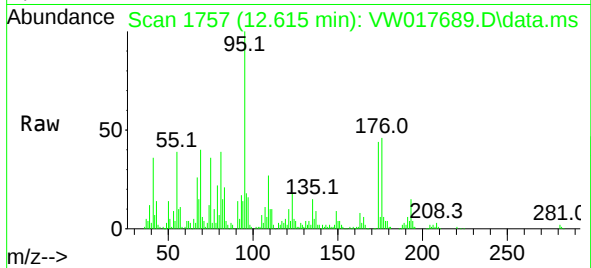
Tgt Ion: 91 Resp: 2748
Ion Ratio Lower Upper
91 100
126 26.9 17.9 53.8



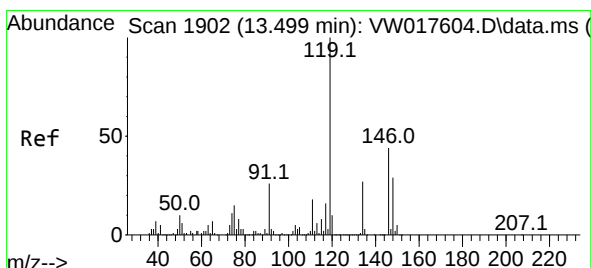
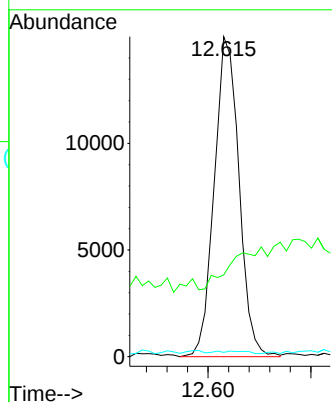
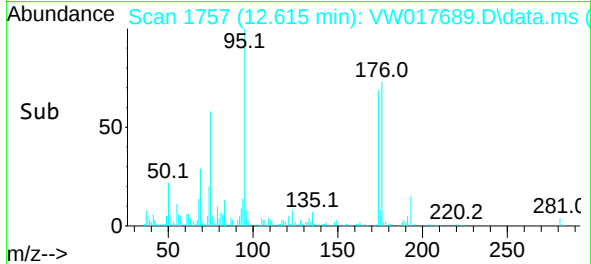


#81
trans-1,4-Dichloro-2-butene
Concen: 104.50 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

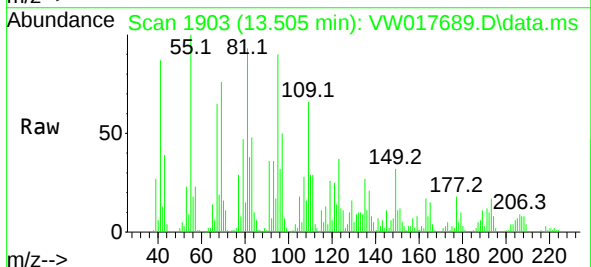
Instrument :
MSVOA_W
ClientSampled :



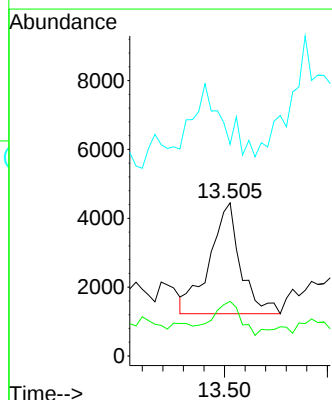
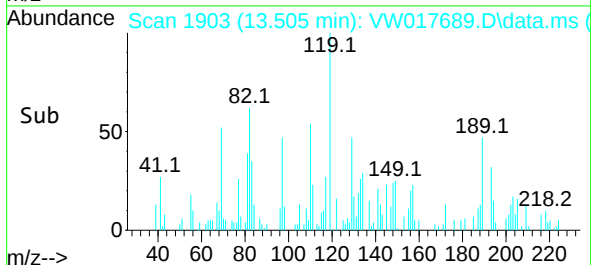
Tgt Ion: 75 Resp: 25021
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.4#
89 0.1 38.7 58.1#

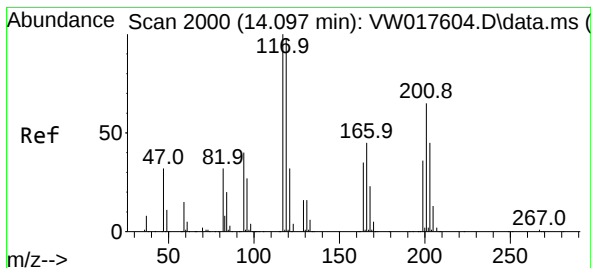


#86
p-Isopropyltoluene
Concen: 1.84 ug/l
RT: 13.505 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27



Tgt Ion: 119 Resp: 6737
Ion Ratio Lower Upper
119 100
134 26.0 13.8 41.3
91 0.0 11.3 33.9#

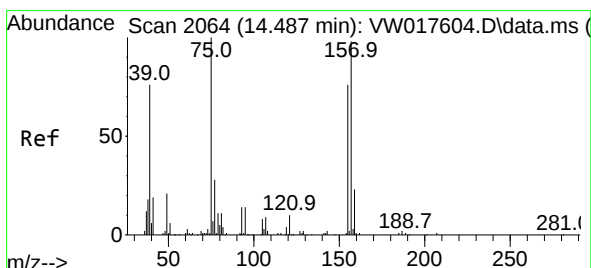
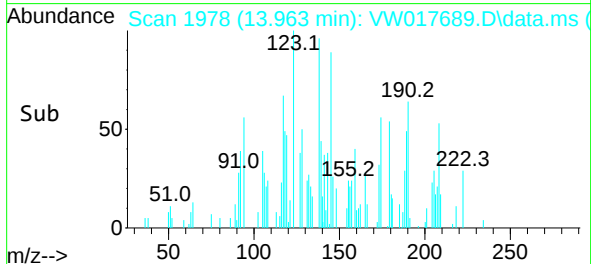
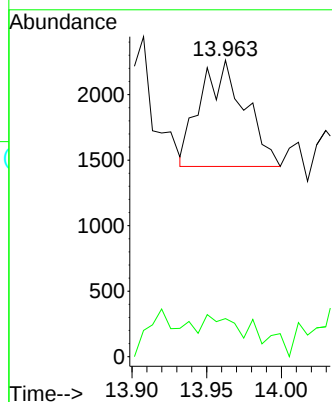
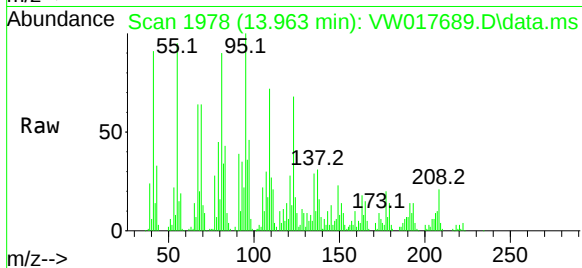




#90
Hexachloroethane
Concen: 2.32 ug/l
RT: 13.963 min Scan# 1978
Delta R.T. -0.134 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

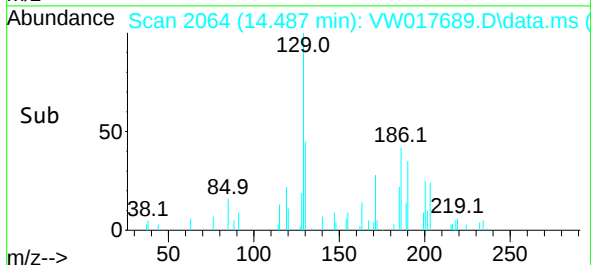
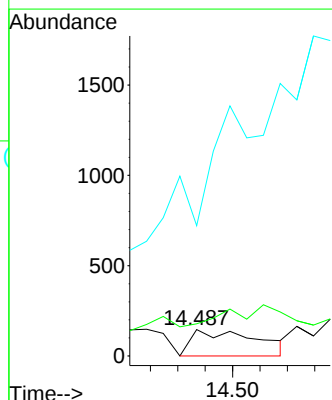
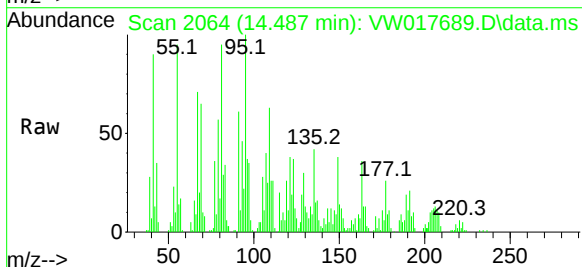
Instrument :
MSVOA_W
ClientSampleId :

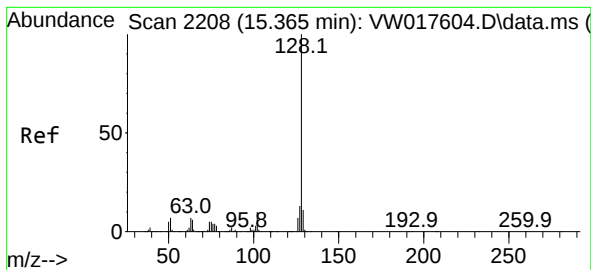
Tgt Ion:117 Resp: 1668
Ion Ratio Lower Upper
117 100
201 43.8 41.9 125.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.98 ug/l
RT: 14.487 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Tgt Ion: 75 Resp: 240
Ion Ratio Lower Upper
75 100
155 20.4 47.6 142.8#
157 0.0 62.2 186.6#





#95
Naphthalene
Concen: 1.72 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017689.D
Acq: 21 Dec 2020 16:27

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 3399
Ion Ratio Lower Upper
128 100
127 17.5 10.4 15.6#
129 23.2 8.6 12.8#

