

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
 Data File : VW017639.D
 Acq On : 15 Dec 2020 17:25
 Operator : SY/VA
 Sample : L5091-03
 Misc : 6.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 16 02:40:49 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)

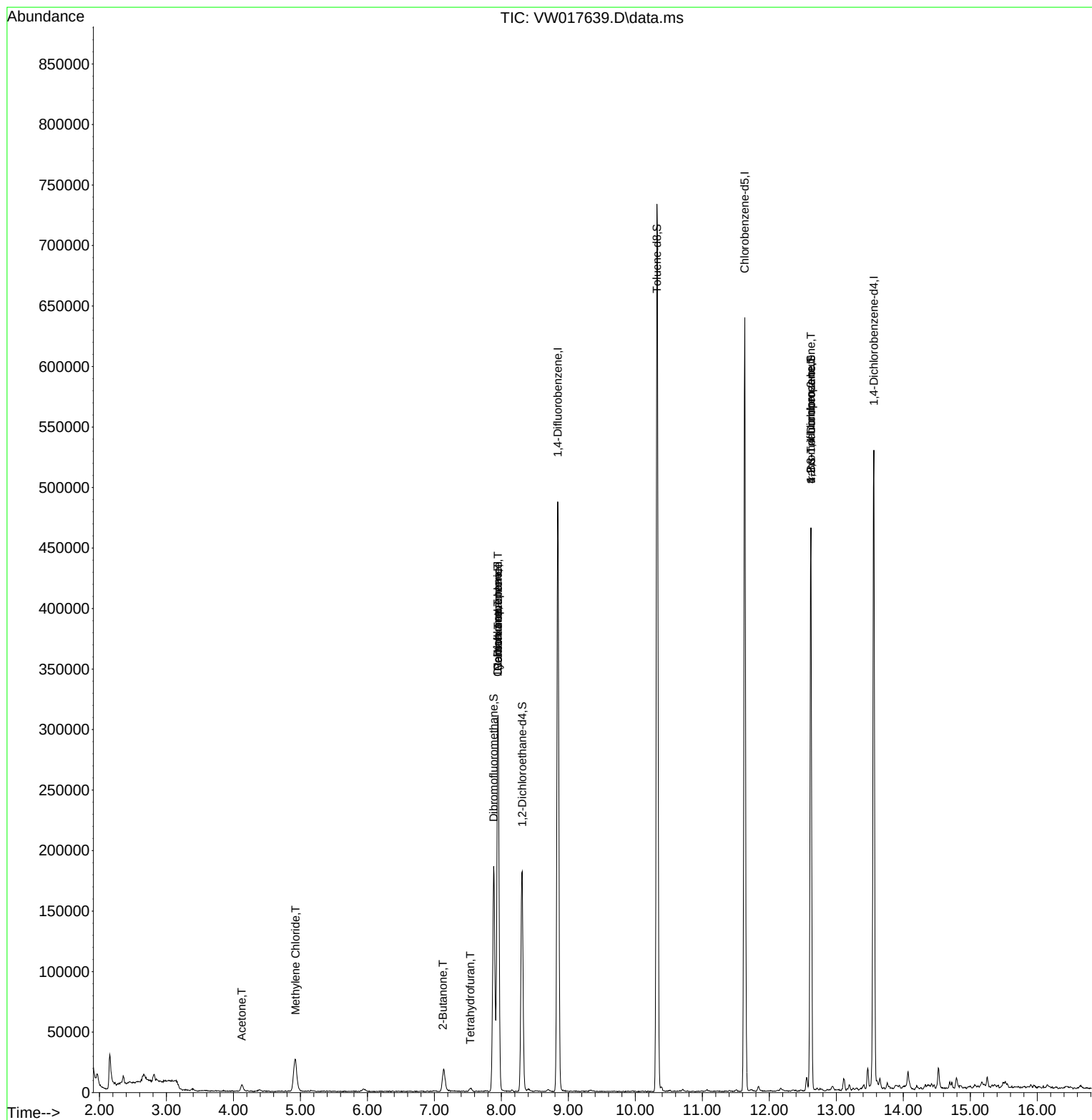
Internal Standards						
1) Pentafluorobenzene	7.951	168	224832	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.841	114	399027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.633	117	333030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	126577	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	147420	53.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.66%	
35) Dibromofluoromethane	7.884	113	124333	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.18%	
50) Toluene-d8	10.323	98	481246	46.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.62%	
62) 4-Bromofluorobenzene	12.621	95	147396	40.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.32%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.171	59	1125	Below Cal		99
16) Acetone	4.123	43	8999	15.10	ug/l	92
20) Methylene Chloride	4.927	84	21063	3.00	ug/l #	83
25) 2-Butanone	7.128	43	908	1.14	ug/l #	43
26) 2,2-Dichloropropane	7.134	77	1560	Below Cal	#	50
29) Tetrahydrofuran	7.537	42	2367	5.30	ug/l #	80
31) Cyclohexane	7.945	56	6226	1.32	ug/l #	20
36) 1,1-Dichloropropene	7.945	75	20433	4.89	ug/l #	48
38) Carbon Tetrachloride	7.951	117	24289	5.78	ug/l #	14
76) 1,2,3-Trichloropropane	12.621	75	82867	68.01	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.621	75	82867	137.79	ug/l #	11

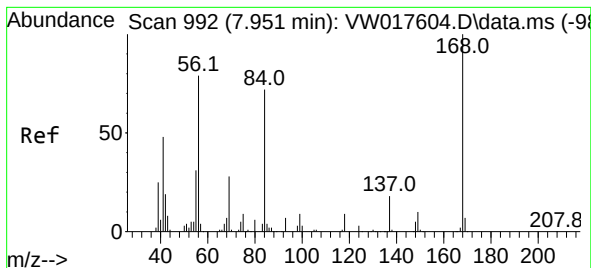
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

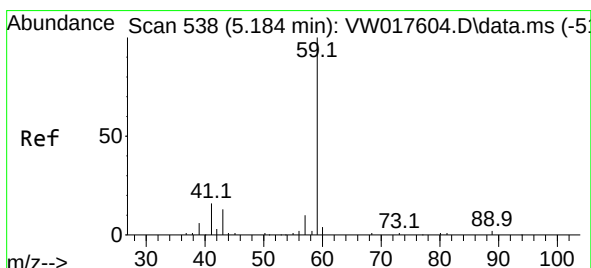
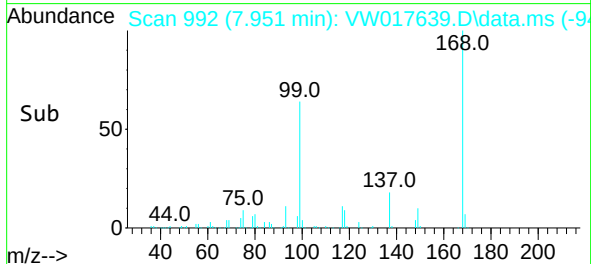
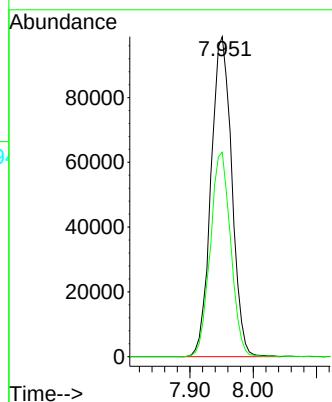
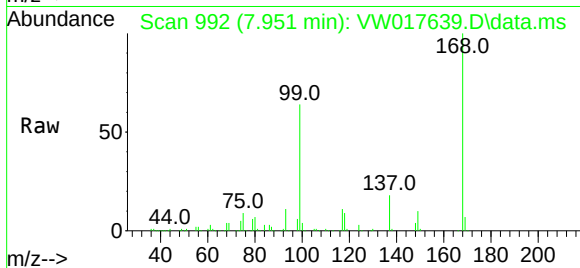




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

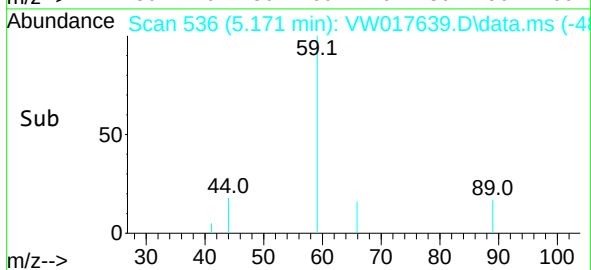
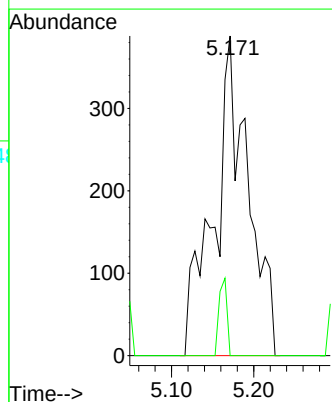
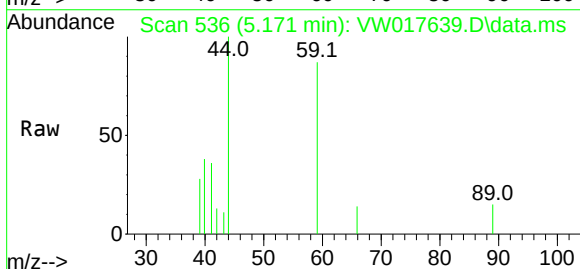
Instrument :
MSVOA_W
ClientSampled :

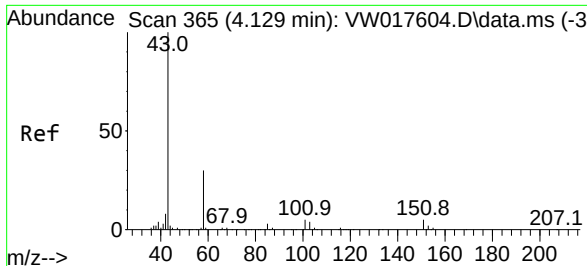
Tgt Ion:168 Resp: 224832
Ion Ratio Lower Upper
168 100
99 63.9 40.7 61.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.171 min Scan# 536
Delta R.T. -0.013 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

Tgt Ion: 59 Resp: 1125
Ion Ratio Lower Upper
59 100
57 5.6 4.7 7.1

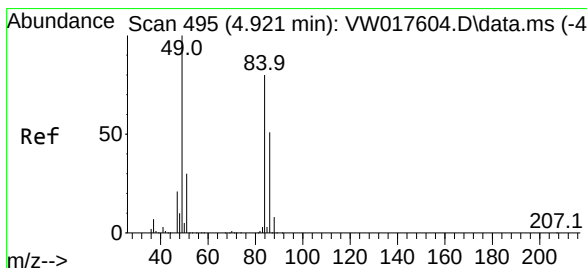
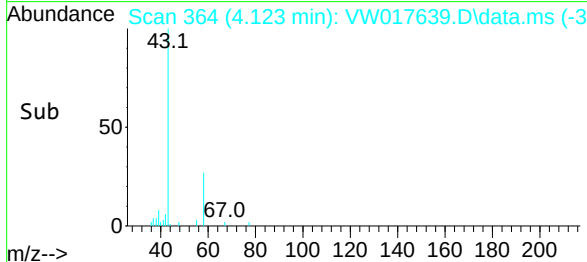
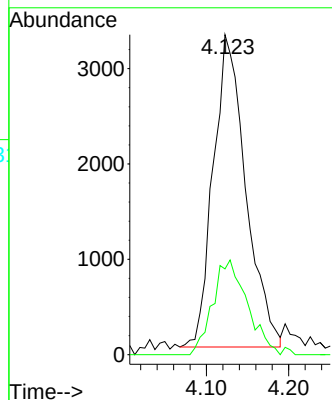
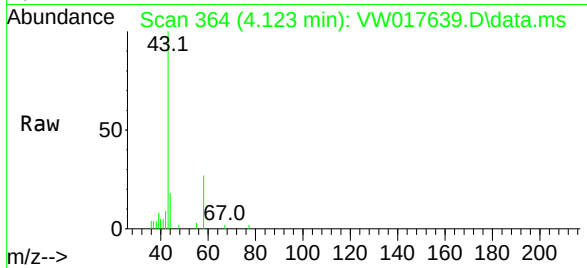




#16
Acetone
Concen: 15.10 ug/l
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

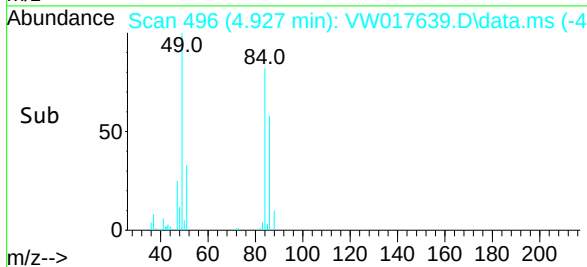
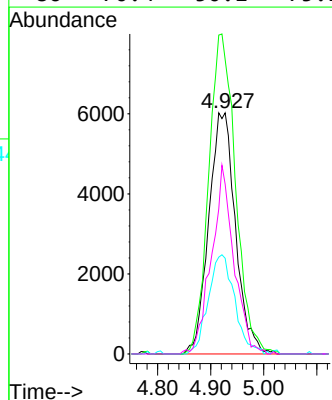
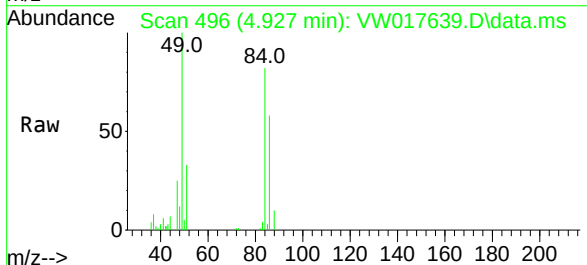
Instrument :
MSVOA_W
ClientSampleId :

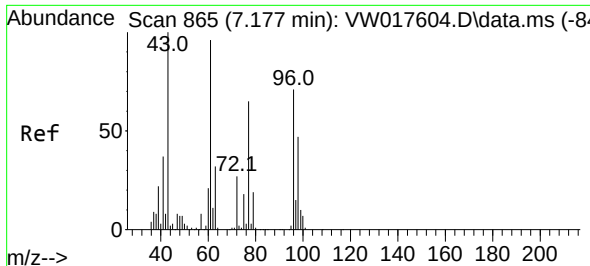
Tgt Ion: 43 Resp: 8999
Ion Ratio Lower Upper
43 100
58 27.5 25.7 38.5



#20
Methylene Chloride
Concen: 3.00 ug/l
RT: 4.927 min Scan# 496
Delta R.T. 0.006 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

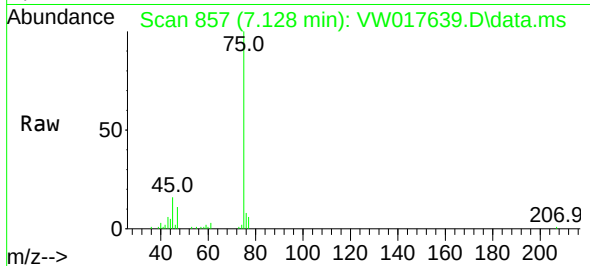
Tgt Ion: 84 Resp: 21063
Ion Ratio Lower Upper
84 100
49 122.0 79.0 118.6#
51 39.7 26.1 39.1#
86 70.4 50.1 75.1



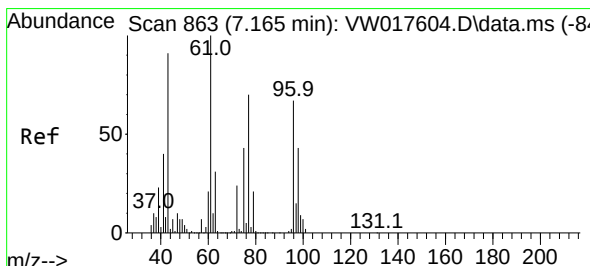
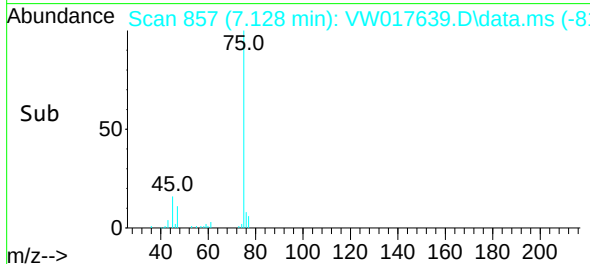
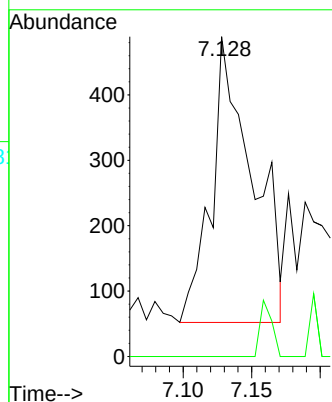


#25
2-Butanone
Concen: 1.14 ug/l
RT: 7.128 min Scan# 857
Delta R.T. -0.049 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

Instrument :
MSVOA_W
ClientSampled :

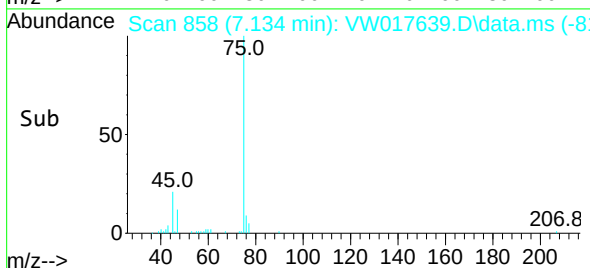
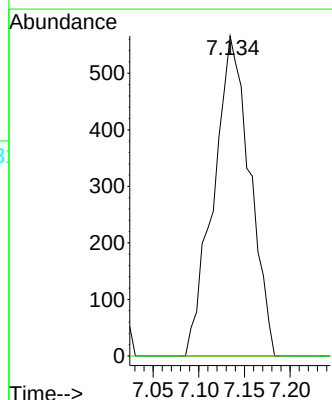
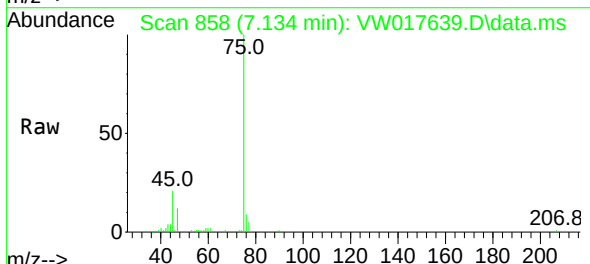


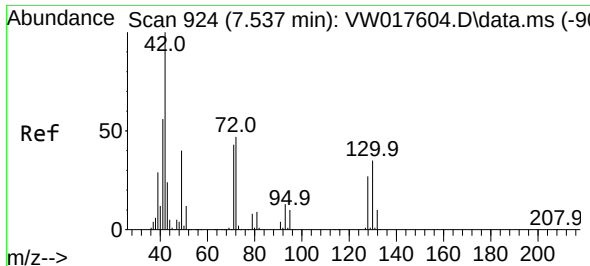
Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
72 0.0 25.4 38.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.134 min Scan# 858
Delta R.T. -0.031 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

Tgt Ion: 77 Resp: 1560
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 5.30 ug/l

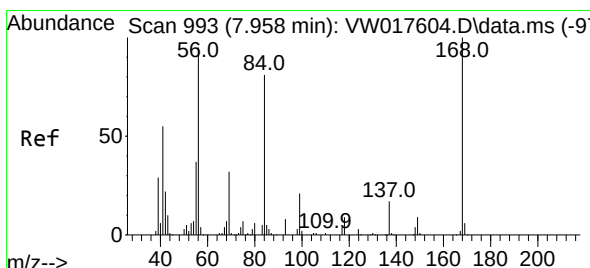
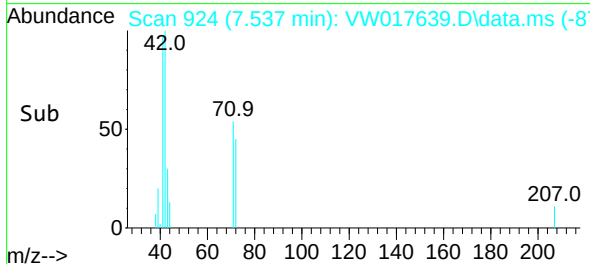
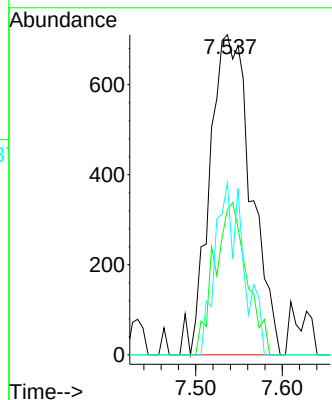
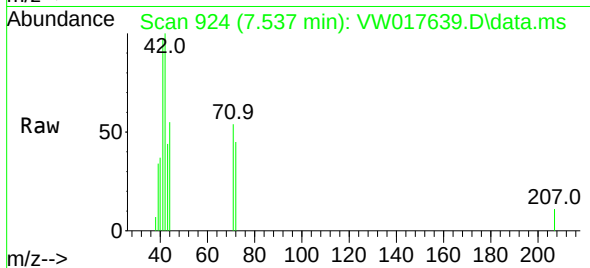
RT: 7.537 min Scan# 924

Delta R.T. -0.000 min

Lab File: VW017639.D

Acq: 15 Dec 2020 17:25

Tgt Ion:	42	Resp:	2367
Ion	Ratio	Lower	Upper
42	100		
72	37.0	42.0	63.0#
71	36.7	39.0	58.6#



#31

Cyclohexane

Concen: 1.32 ug/l

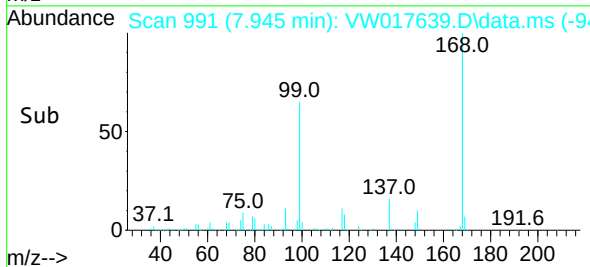
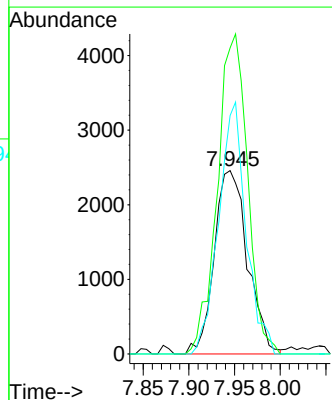
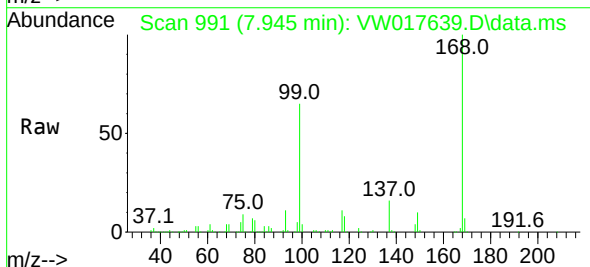
RT: 7.945 min Scan# 991

Delta R.T. -0.013 min

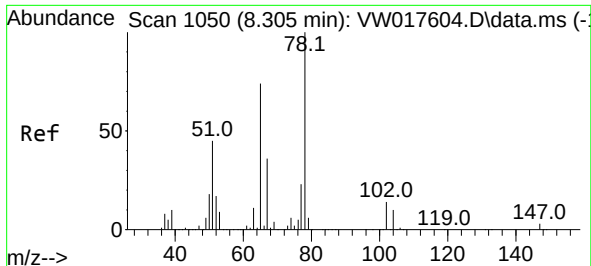
Lab File: VW017639.D

Acq: 15 Dec 2020 17:25

Tgt Ion:	56	Resp:	6226
Ion	Ratio	Lower	Upper
56	100		
69	166.9	29.3	43.9#
84	130.0	80.5	120.7#



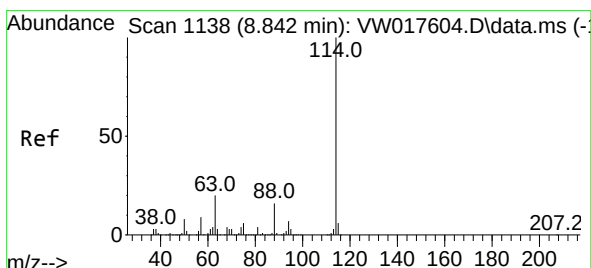
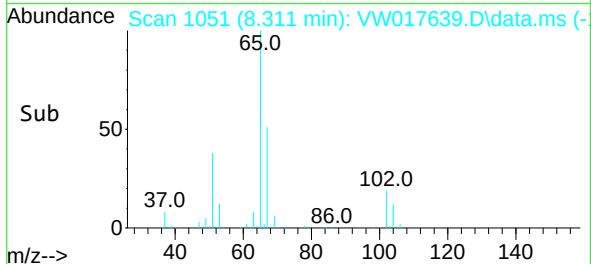
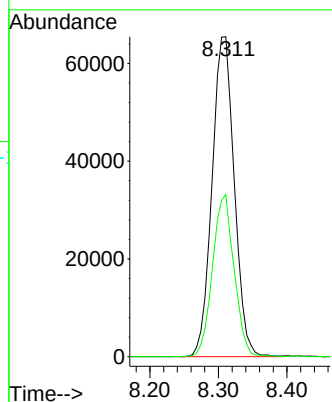
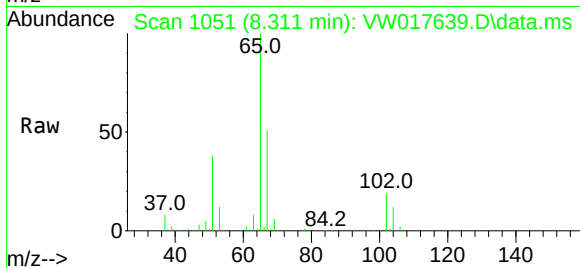
Instrument :
MSVOA_W
ClientSampleId :



#33
 1,2-Dichloroethane-d4
 Concen: 53.83 ug/l
 RT: 8.311 min Scan# 1051
 Delta R.T. 0.006 min
 Lab File: VW017639.D
 Acq: 15 Dec 2020 17:25

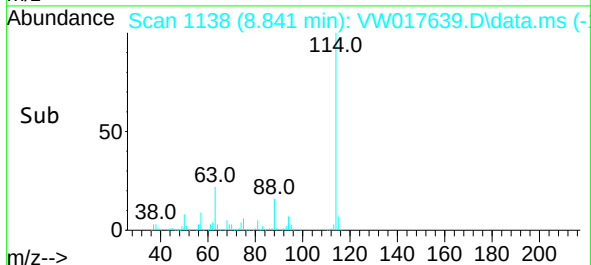
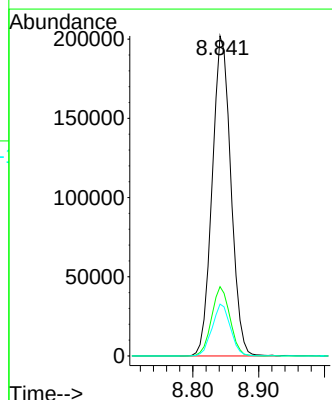
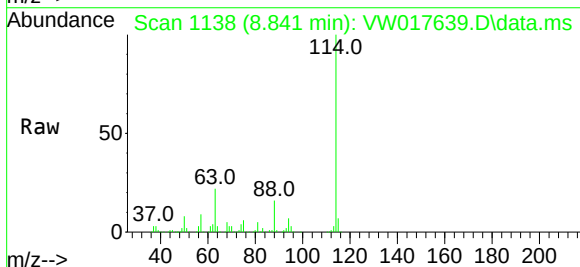
Instrument :
 MSVOA_W
 ClientSampleId :

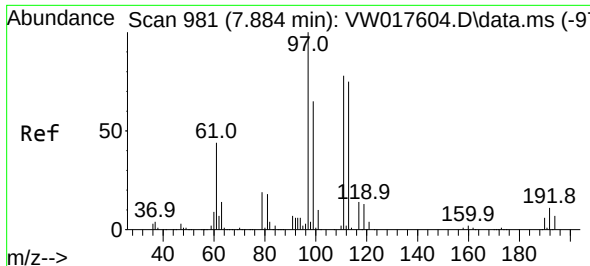
Tgt Ion: 65 Resp: 147420
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.841 min Scan# 1138
 Delta R.T. -0.001 min
 Lab File: VW017639.D
 Acq: 15 Dec 2020 17:25

Tgt Ion: 114 Resp: 399027
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 35.6
 88 16.2 0.0 30.4

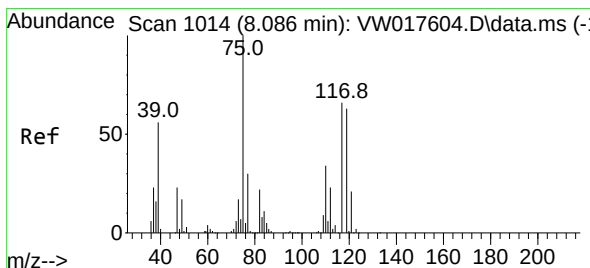
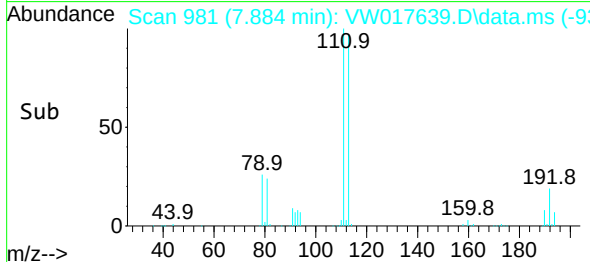
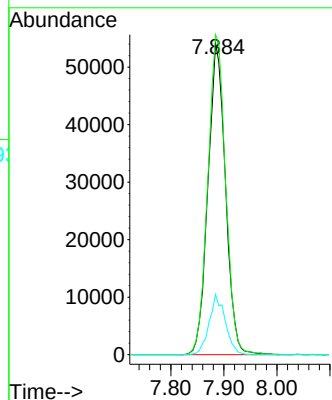
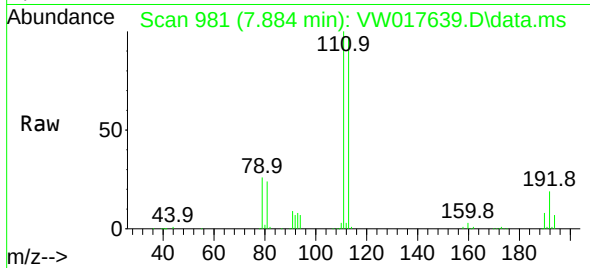




#35
Dibromofluoromethane
Concen: 47.09 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

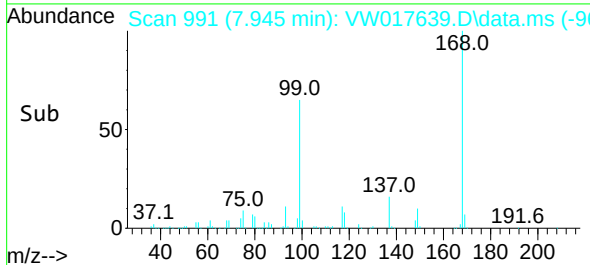
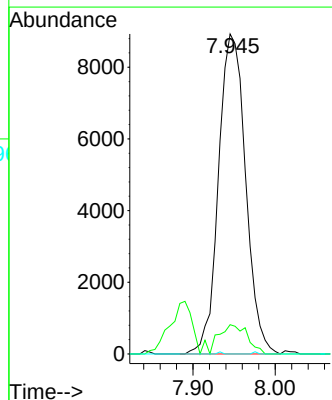
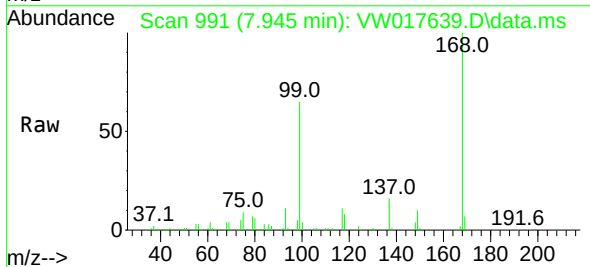
Instrument :
MSVOA_W
ClientSampleId :

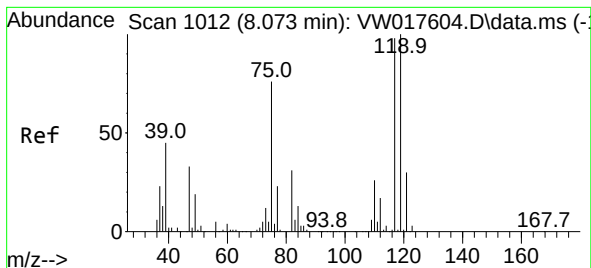
Tgt Ion:113 Resp: 124333
Ion Ratio Lower Upper
113 100
111 104.9 81.4 122.2
192 17.9 17.8 26.8



#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.141 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

Tgt Ion: 75 Resp: 20433
Ion Ratio Lower Upper
75 100
110 9.5 19.3 57.9#
77 0.1 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.78 ug/l

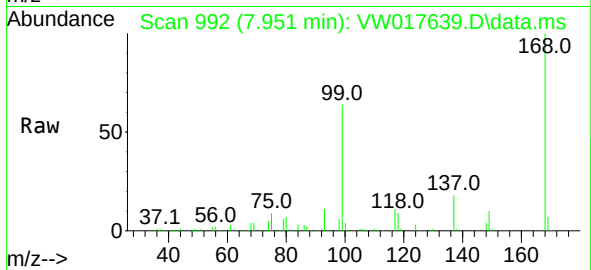
RT: 7.951 min Scan# 992

Delta R.T. -0.122 min

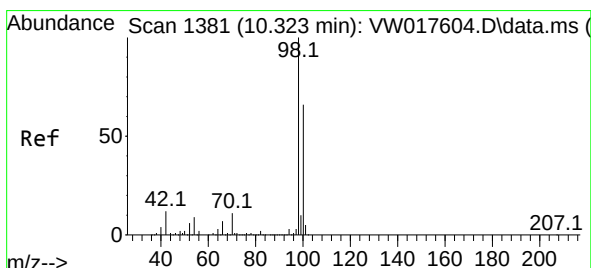
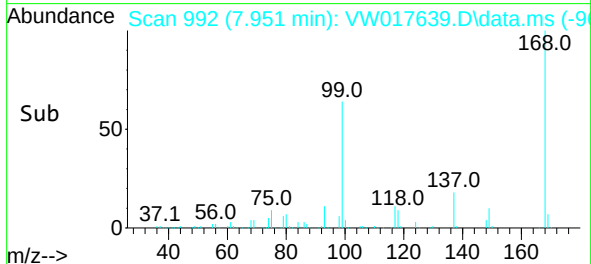
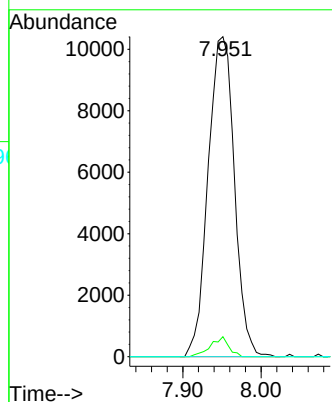
Lab File: VW017639.D

Acq: 15 Dec 2020 17:25

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	117	Resp:	24289
Ion	Ratio	Lower	Upper
117	100		
119	6.2	81.6	122.4#
121	0.0	25.7	38.5#



#50

Toluene-d8

Concen: 46.81 ug/l

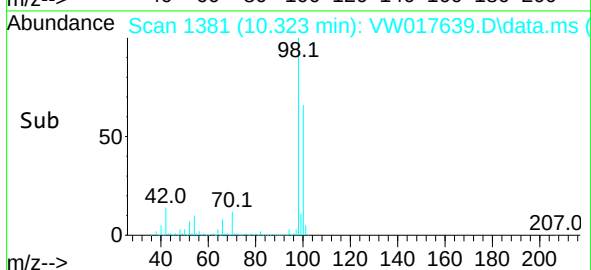
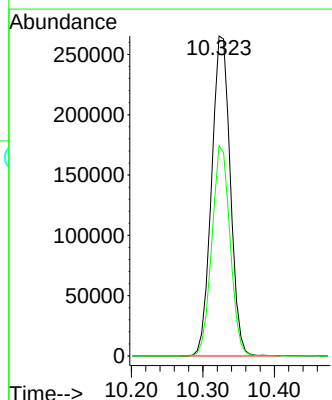
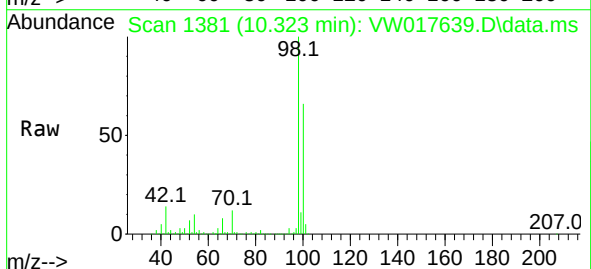
RT: 10.323 min Scan# 1381

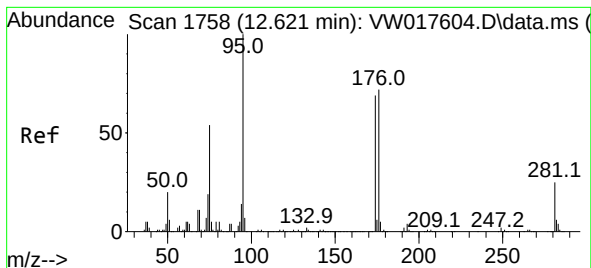
Delta R.T. -0.000 min

Lab File: VW017639.D

Acq: 15 Dec 2020 17:25

Tgt Ion:	98	Resp:	481246
Ion	Ratio	Lower	Upper
98	100		
100	64.2	53.3	79.9

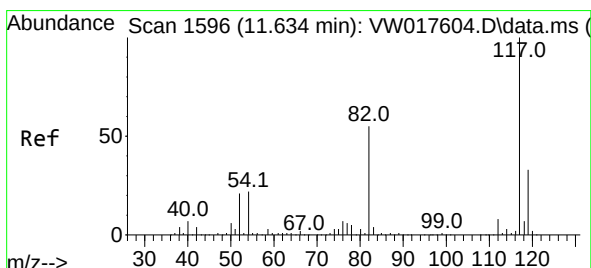
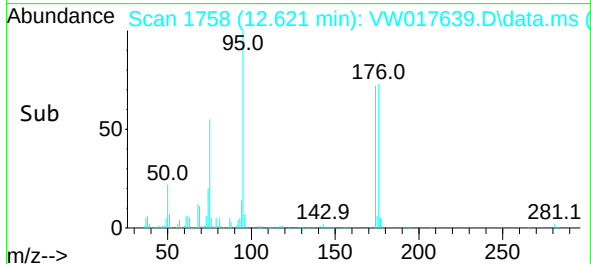
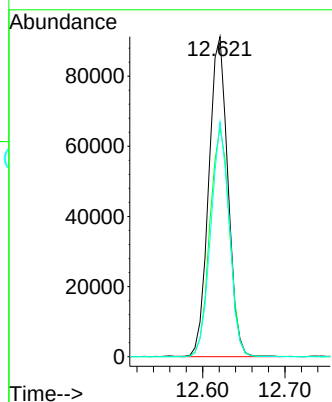
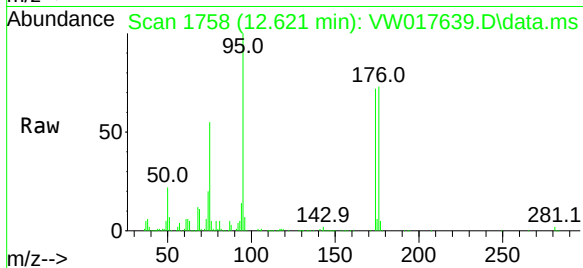




#62
4-Bromofluorobenzene
Concen: 40.16 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

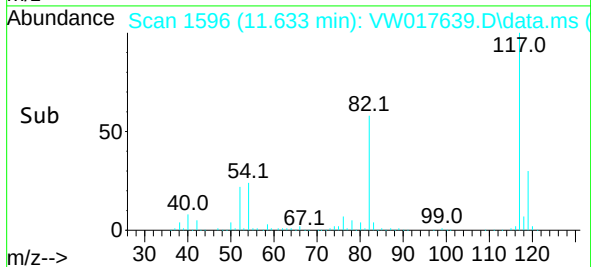
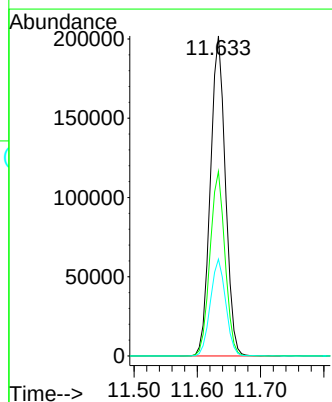
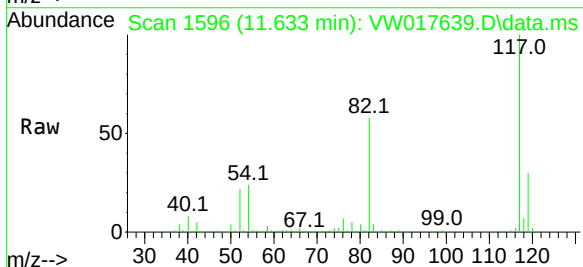
Instrument :
MSVOA_W
ClientSampleId :

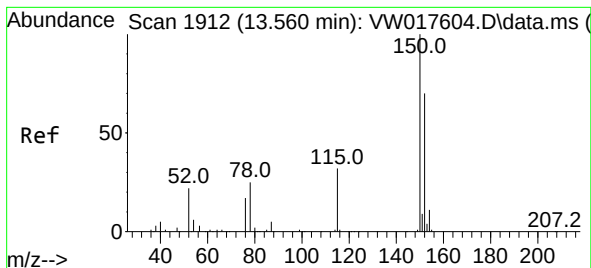
Tgt Ion: 95 Resp: 147396
Ion Ratio Lower Upper
95 100
174 73.4 0.0 180.6
176 70.6 0.0 177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.633 min Scan# 1596
Delta R.T. -0.001 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

Tgt Ion: 117 Resp: 333030
Ion Ratio Lower Upper
117 100
82 57.7 40.7 61.1
119 30.2 25.0 37.4

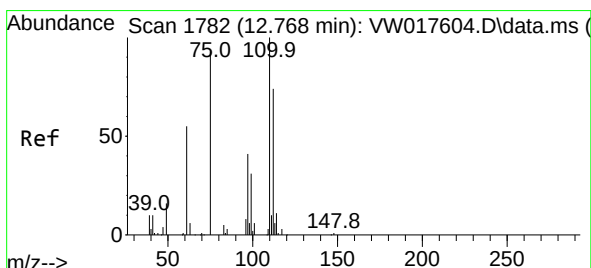
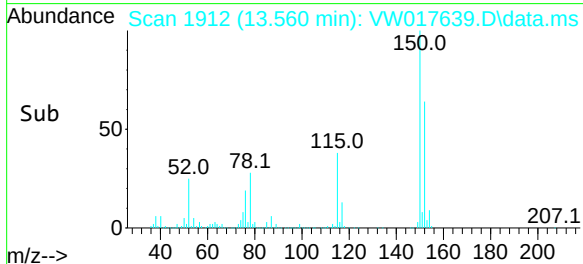
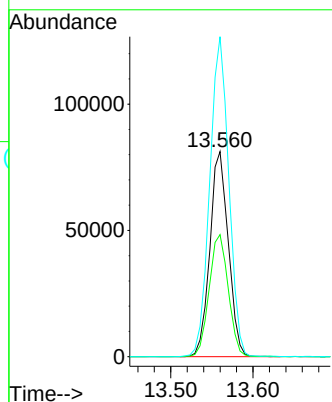
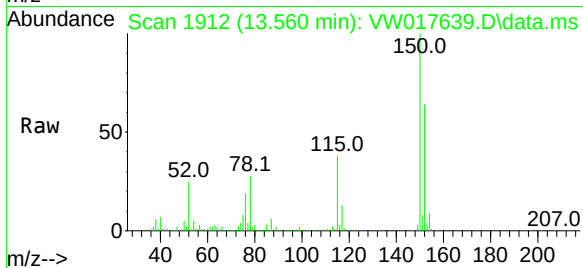




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

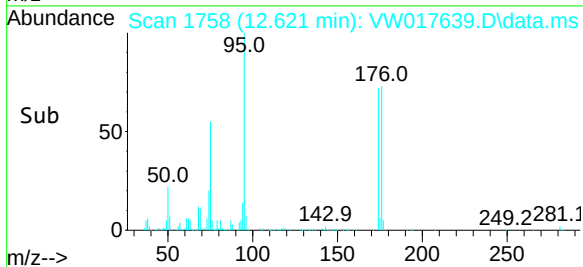
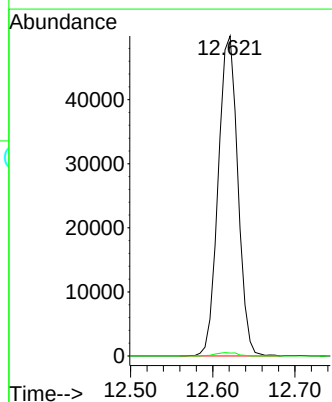
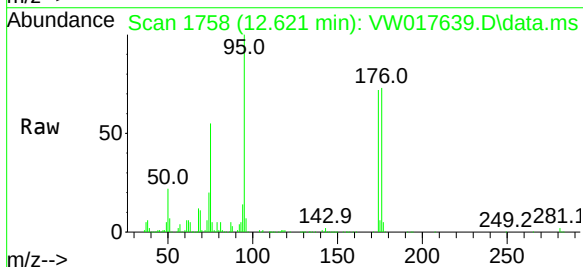
Instrument :
MSVOA_W
ClientSampled :

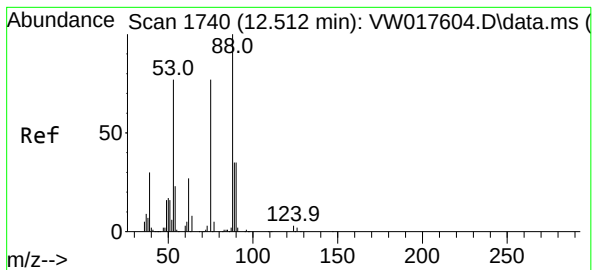
Tgt Ion:152 Resp: 126577
Ion Ratio Lower Upper
152 100
115 61.7 27.9 83.7
150 161.2 0.0 344.0



#76
1,2,3-Trichloropropane
Concen: 68.01 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017639.D
Acq: 15 Dec 2020 17:25

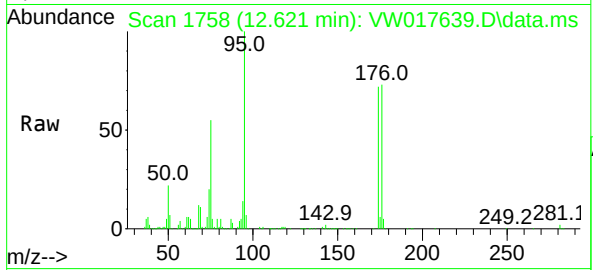
Tgt Ion: 75 Resp: 82867
Ion Ratio Lower Upper
75 100
77 1.2 178.8 536.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.79 ug/l
 RT: 12.621 min Scan# 1758
 Delta R.T. 0.109 min
 Lab File: VW017639.D
 Acq: 15 Dec 2020 17:25

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	75	Resp:	82867
Ion	Ratio	Lower	Upper
75	100		
53	0.1	77.0	115.4#
89	0.1	38.7	58.1#

