

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
 Data File : VW017630.D
 Acq On : 15 Dec 2020 13:38
 Operator : SY/VA
 Sample : L5010-04
 Misc : 3.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 16 02:37:52 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)

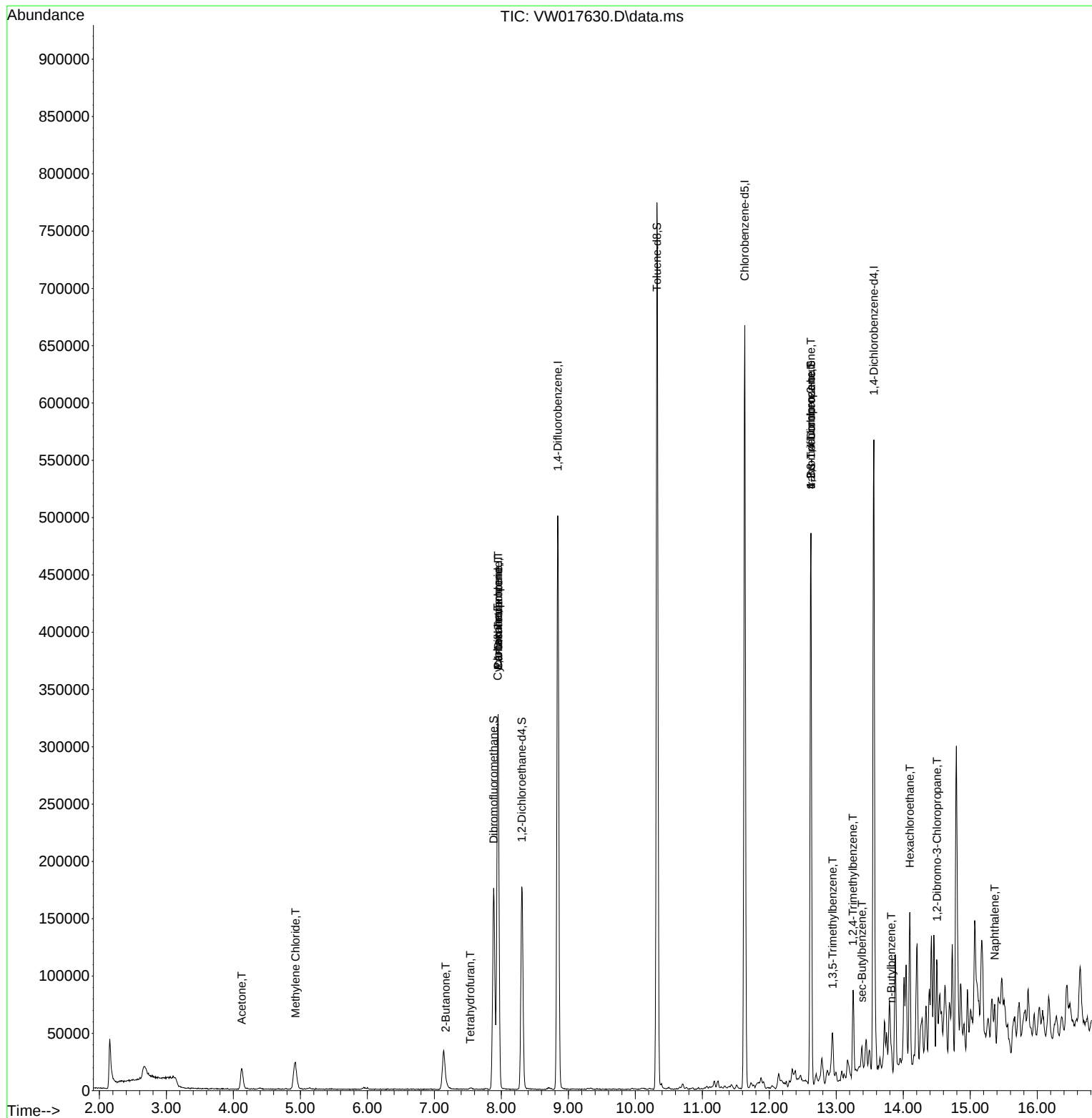
Internal Standards						
1) Pentafluorobenzene	7.952	168	228988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	410604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	346277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	136324	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	141439	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
35) Dibromofluoromethane	7.884	113	120393	44.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.62%	
50) Toluene-d8	10.323	98	496789	46.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.621	95	152684	40.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.84%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.135	59	881	Below Cal		99
16) Acetone	4.123	43	33440	55.10	ug/l	94
20) Methylene Chloride	4.928	84	18808	1.84	ug/l #	87
25) 2-Butanone	7.171	43	6970	8.62	ug/l #	81
26) 2,2-Dichloropropane	7.141	77	2206	Below Cal	#	50
29) Tetrahydrofuran	7.537	42	610	1.34	ug/l #	89
31) Cyclohexane	7.945	56	6322	1.31	ug/l #	17
36) 1,1-Dichloropropene	7.952	75	21691	5.05	ug/l #	47
38) Carbon Tetrachloride	7.952	117	25791	5.97	ug/l #	12
76) 1,2,3-Trichloropropane	12.621	75	85443	65.11	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.945	105	10810	1.18	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.621	75	85443	131.92	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.249	105	40565	4.51	ug/l	98
85) sec-Butylbenzene	13.383	105	12643	1.15	ug/l	86
89) n-Butylbenzene	13.822	91	17353	1.79	ug/l #	66
90) Hexachloroethane	14.097	117	6489	3.34	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.505	75	484	1.48	ug/l #	1
95) Naphthalene	15.365	128	18936	3.54	ug/l	95

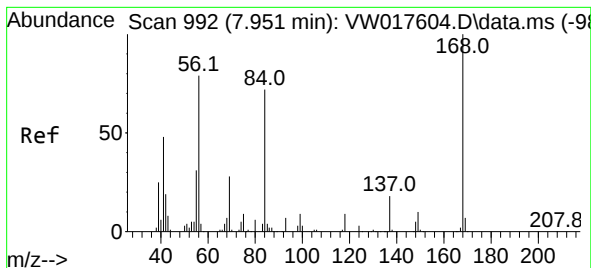
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 02:37:52 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

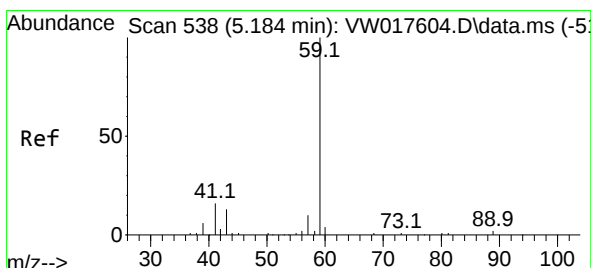
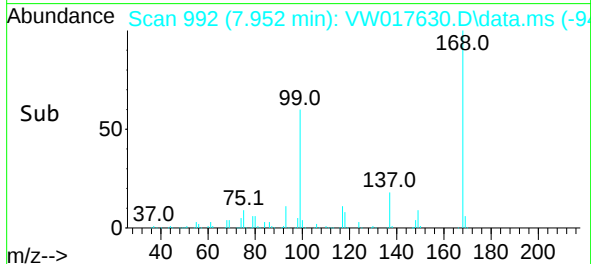
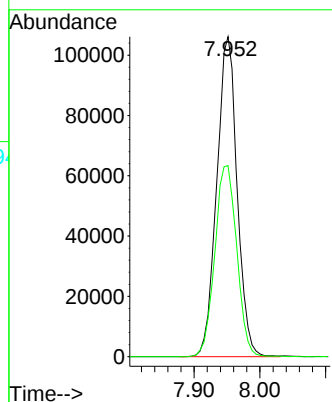
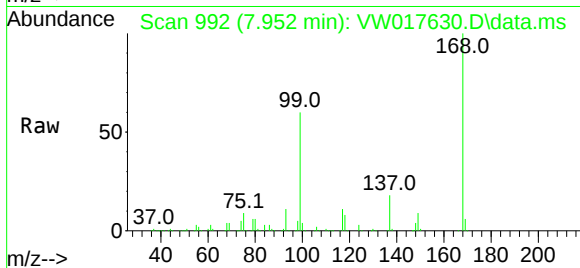




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

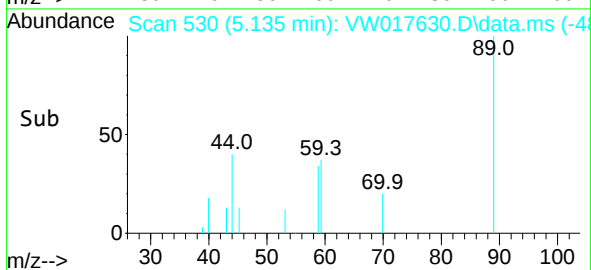
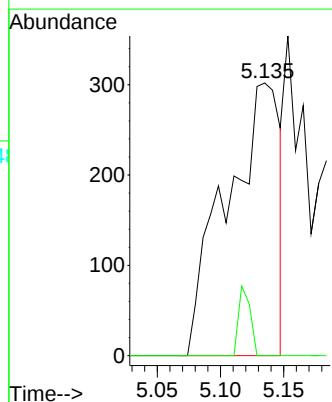
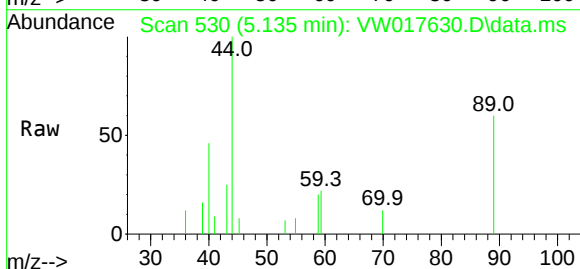
Instrument :
MSVOA_W
ClientSampleId :

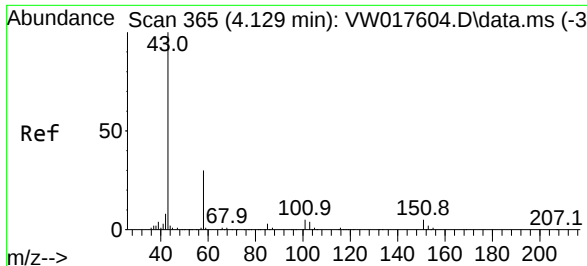
Tgt Ion:168 Resp: 228988
Ion Ratio Lower Upper
168 100
99 59.7 40.7 61.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.135 min Scan# 530
Delta R.T. -0.049 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion: 59 Resp: 881
Ion Ratio Lower Upper
59 100
57 5.6 4.7 7.1

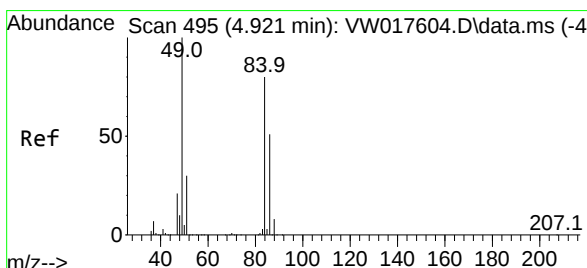
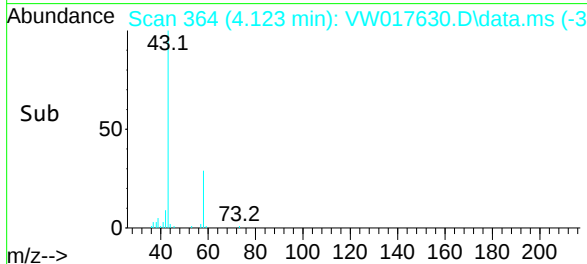
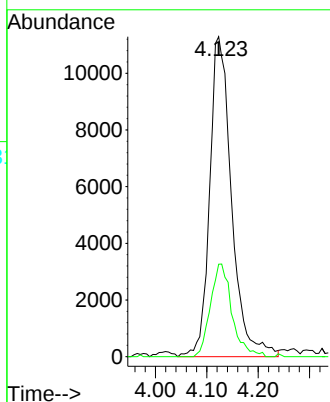
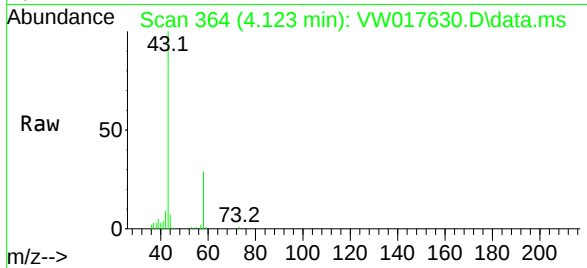




#16
Acetone
Concen: 55.10 ug/l
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

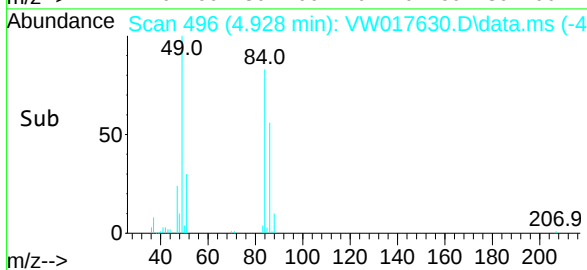
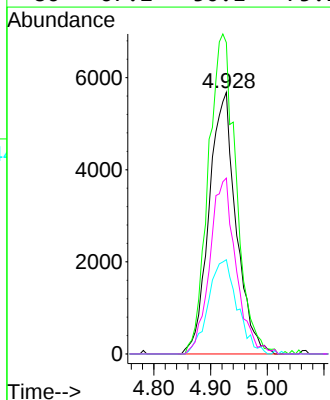
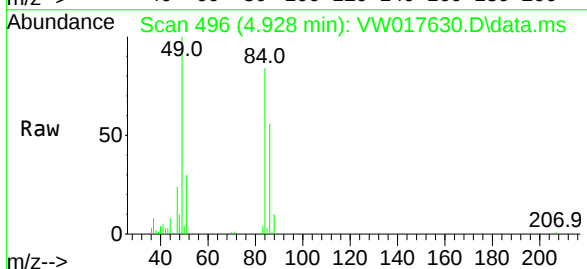
Instrument :
MSVOA_W
ClientSampleId :

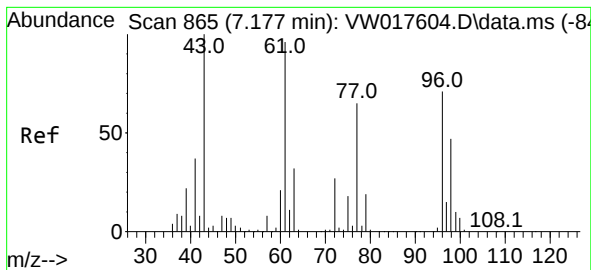
Tgt Ion: 43 Resp: 33440
Ion Ratio Lower Upper
43 100
58 28.9 25.7 38.5



#20
Methylene Chloride
Concen: 1.84 ug/l
RT: 4.928 min Scan# 496
Delta R.T. 0.007 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion: 84 Resp: 18808
Ion Ratio Lower Upper
84 100
49 119.0 79.0 118.6#
51 36.0 26.1 39.1
86 67.2 50.1 75.1

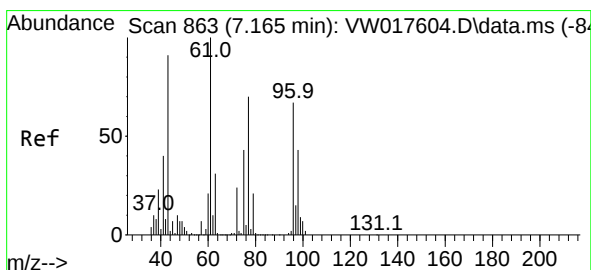
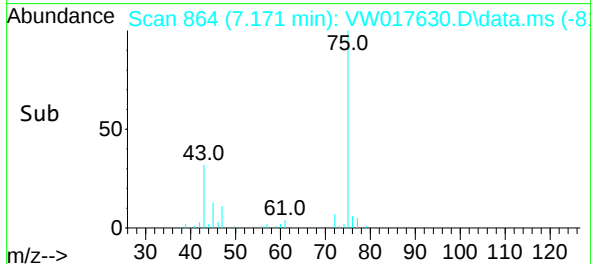
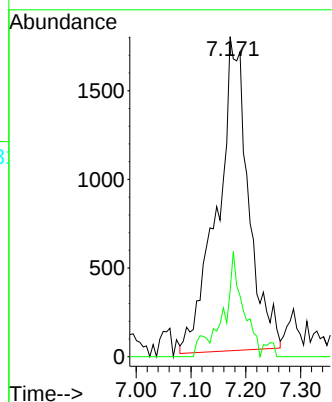
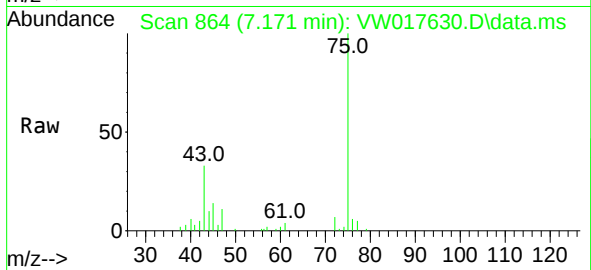




#25
2-Butanone
Concen: 8.62 ug/l
RT: 7.171 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

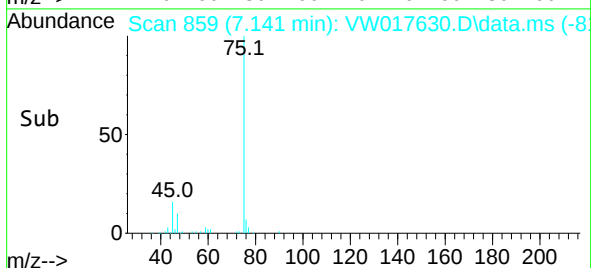
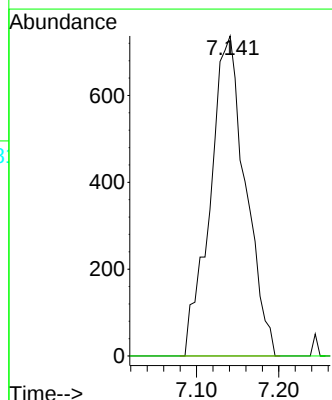
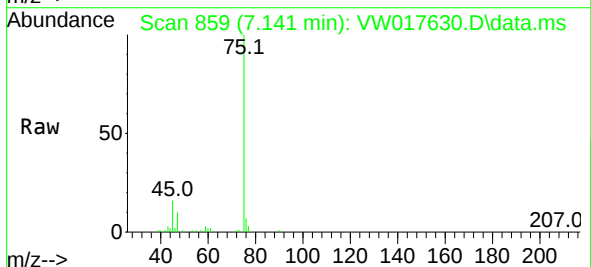
Instrument :
MSVOA_W
ClientSampleId :

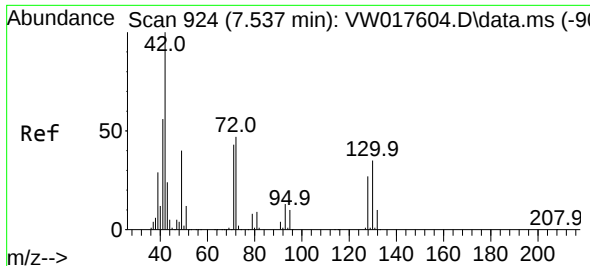
Tgt Ion: 43 Resp: 6970
Ion Ratio Lower Upper
43 100
72 21.1 25.4 38.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.141 min Scan# 859
Delta R.T. -0.024 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion: 77 Resp: 2206
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 1.34 ug/l

RT: 7.537 min Scan# 924

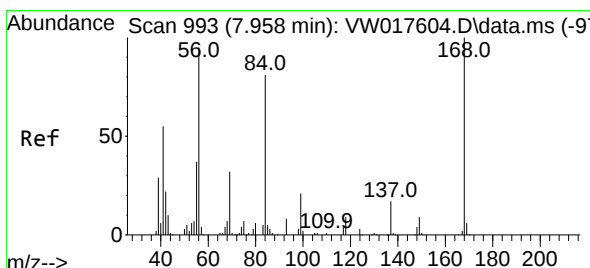
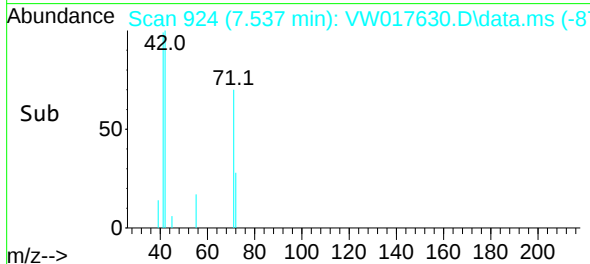
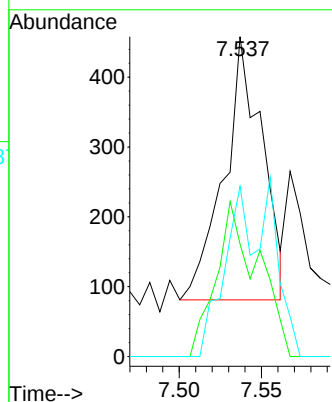
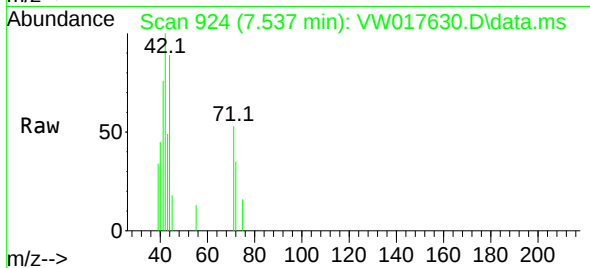
Delta R.T. -0.000 min

Lab File: VW017630.D

Acq: 15 Dec 2020 13:38

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:	42	Resp:	610
Ion	Ratio	Lower	Upper
42	100		
72	64.3	42.0	63.0#
71	52.5	39.0	58.6



#31

Cyclohexane

Concen: 1.31 ug/l

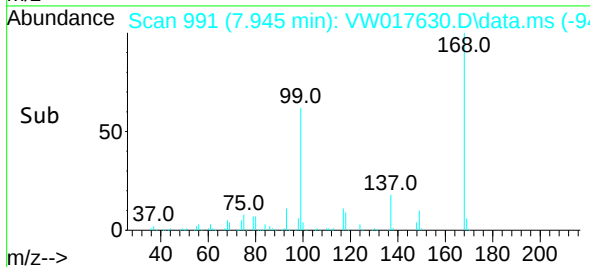
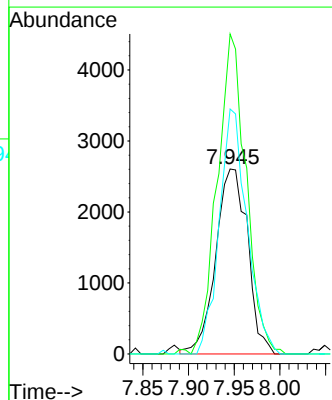
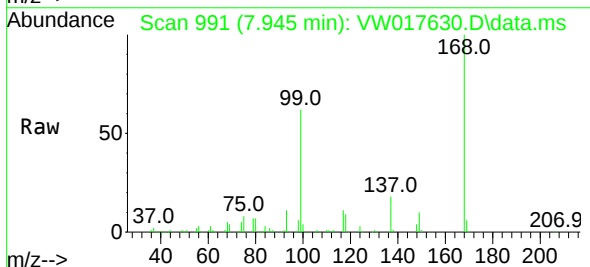
RT: 7.945 min Scan# 991

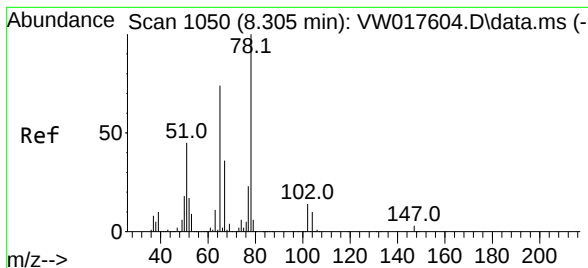
Delta R.T. -0.013 min

Lab File: VW017630.D

Acq: 15 Dec 2020 13:38

Tgt Ion:	56	Resp:	6322
Ion	Ratio	Lower	Upper
56	100		
69	170.5	29.3	43.9#
84	132.4	80.5	120.7#

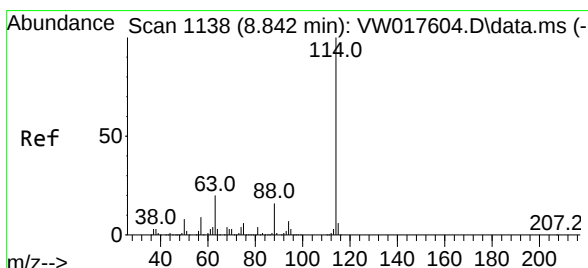
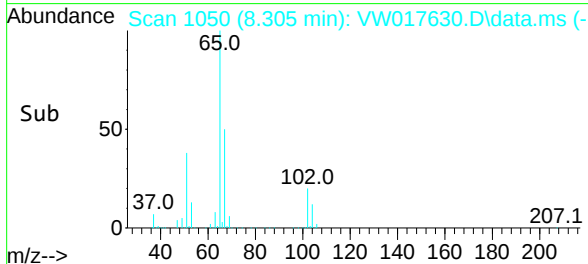
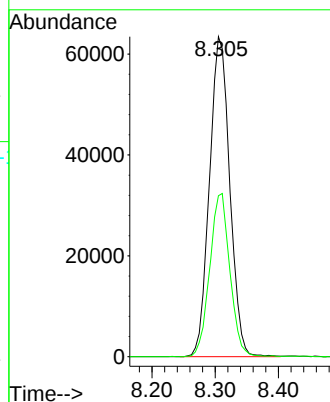
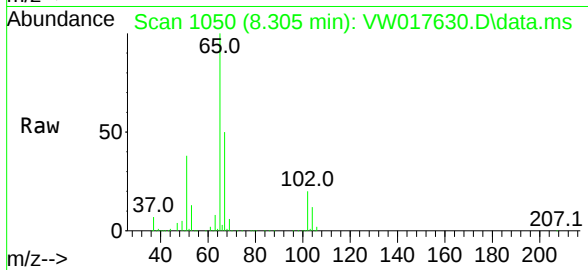




#33
 1,2-Dichloroethane-d4
 Concen: 50.71 ug/l
 RT: 8.305 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VW017630.D
 Acq: 15 Dec 2020 13:38

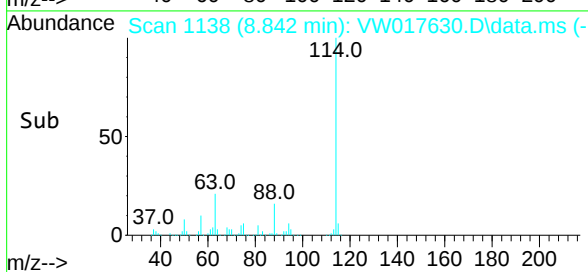
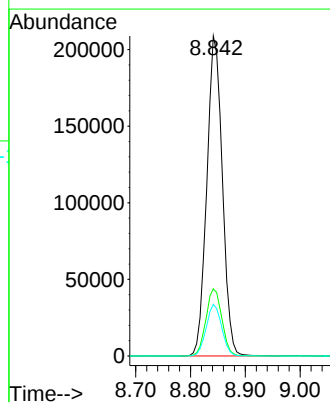
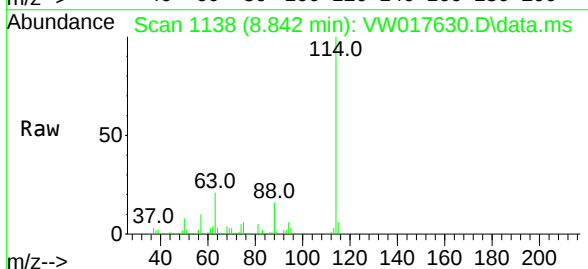
Instrument :
 MSVOA_W
 ClientSampleId :

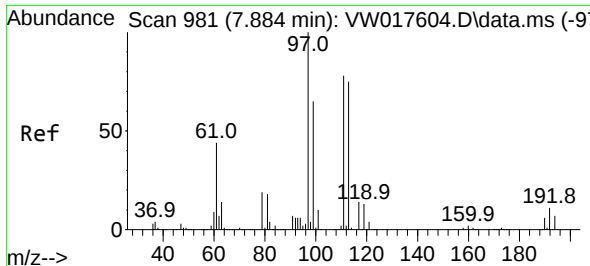
Tgt Ion: 65 Resp: 141439
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.842 min Scan# 1138
 Delta R.T. -0.000 min
 Lab File: VW017630.D
 Acq: 15 Dec 2020 13:38

Tgt Ion: 114 Resp: 410604
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 35.6
 88 16.1 0.0 30.4

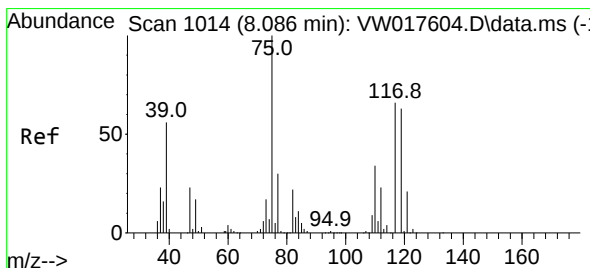
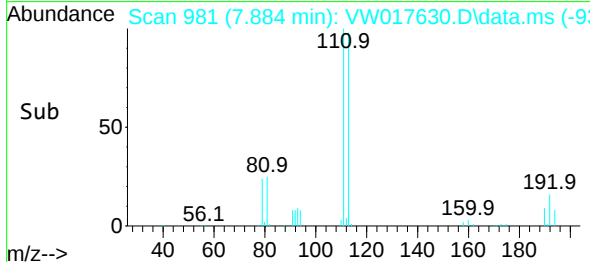
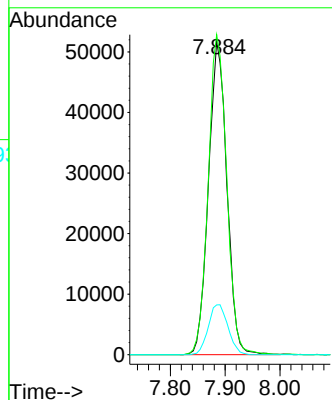
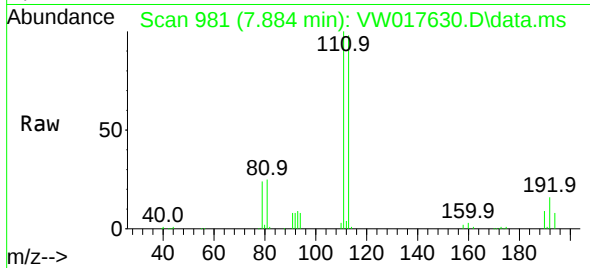




#35
Dibromofluoromethane
Concen: 44.31 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

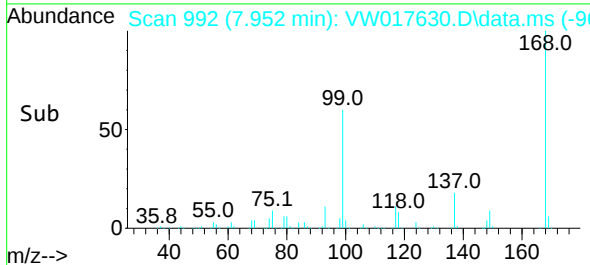
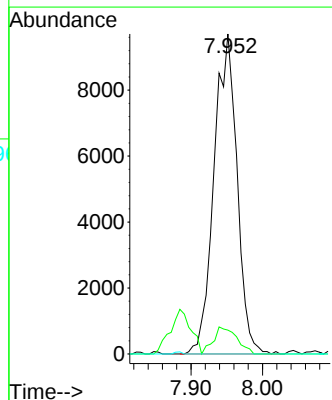
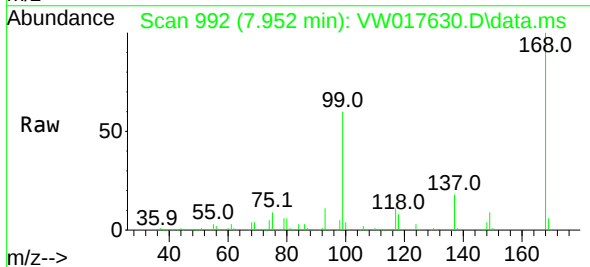
Instrument :
MSVOA_W
ClientSampleId :

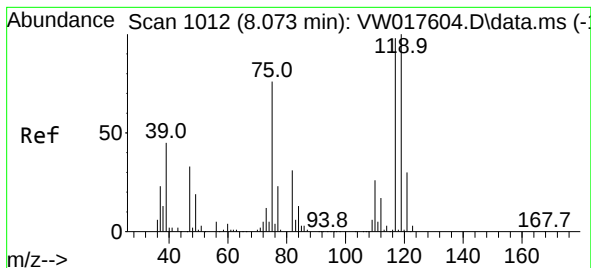
Tgt Ion:113 Resp: 120393
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.2
192 17.1 17.8 26.8#



#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.134 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion: 75 Resp: 21691
Ion Ratio Lower Upper
75 100
110 8.5 19.3 57.9#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.97 ug/l

RT: 7.952 min Scan# 992

Delta R.T. -0.121 min

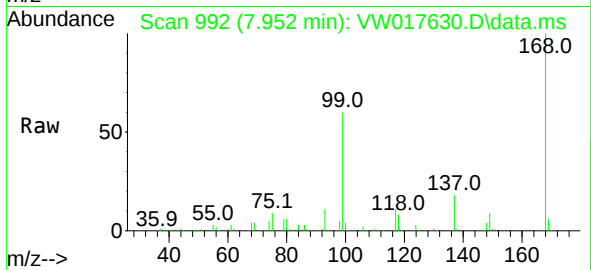
Lab File: VW017630.D

Acq: 15 Dec 2020 13:38

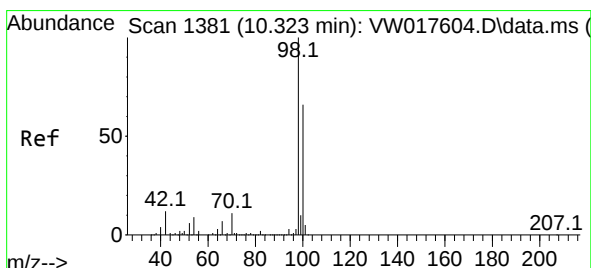
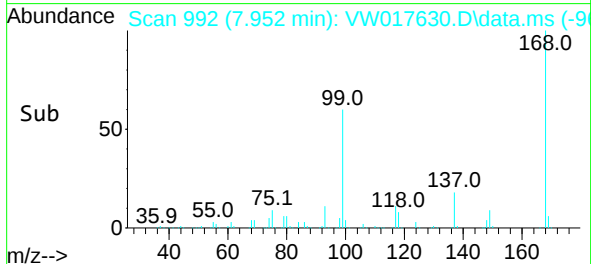
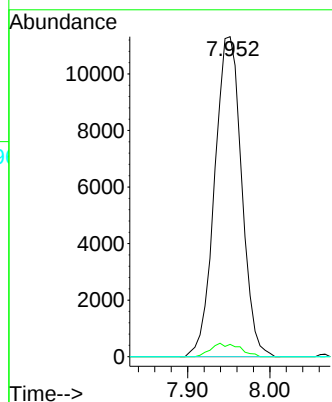
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	117	Resp:	25791
Ion	Ratio	Lower	Upper
117	100		
119	3.8	81.6	122.4#
121	0.0	25.7	38.5#



#50

Toluene-d8

Concen: 46.96 ug/l

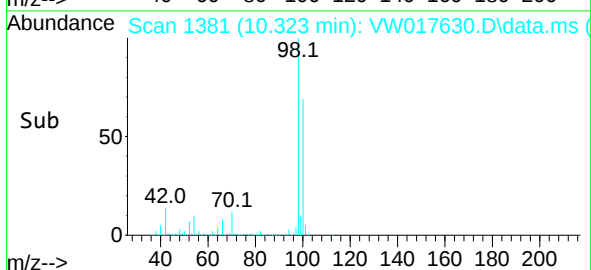
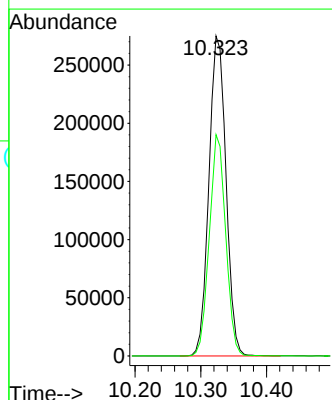
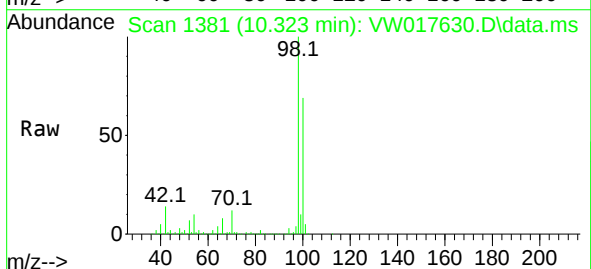
RT: 10.323 min Scan# 1381

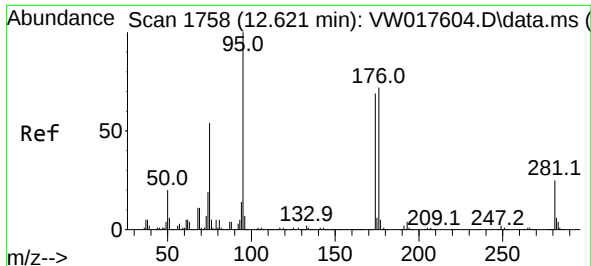
Delta R.T. 0.000 min

Lab File: VW017630.D

Acq: 15 Dec 2020 13:38

Tgt Ion:	98	Resp:	496789
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9

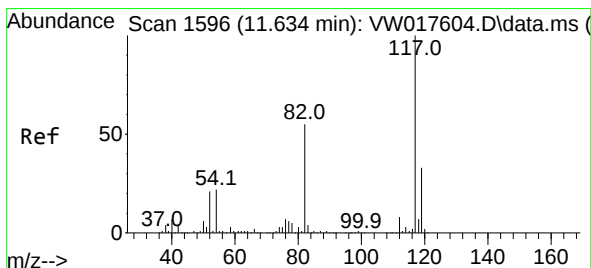
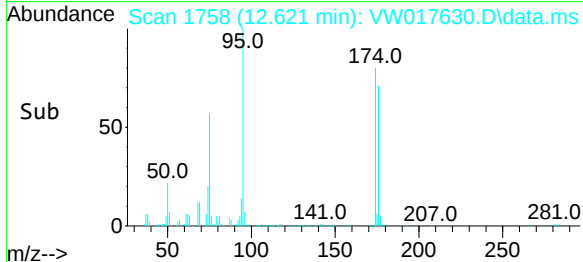
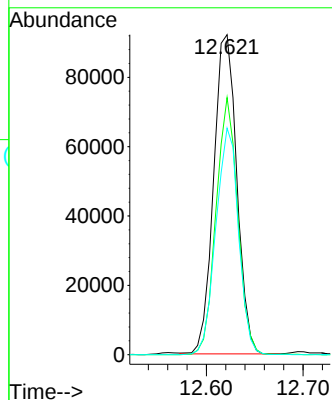
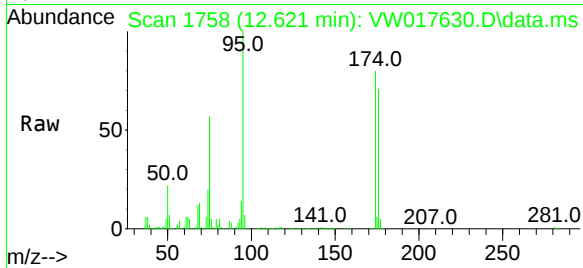




#62
4-Bromofluorobenzene
Concen: 40.42 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

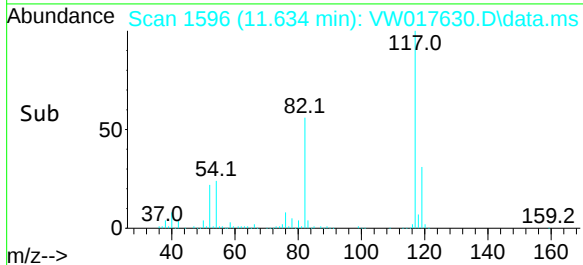
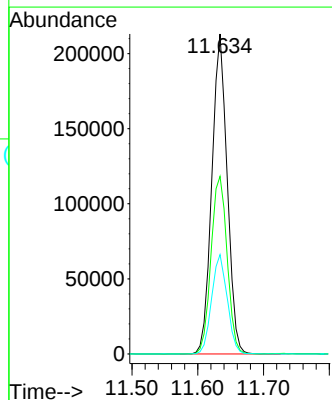
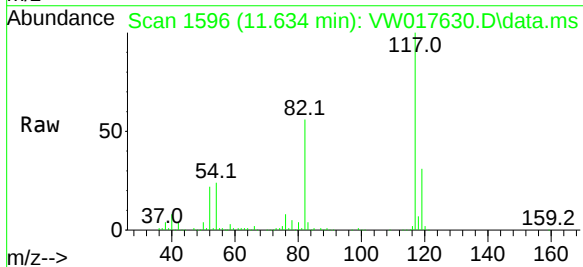
Instrument :
MSVOA_W
ClientSampleId :

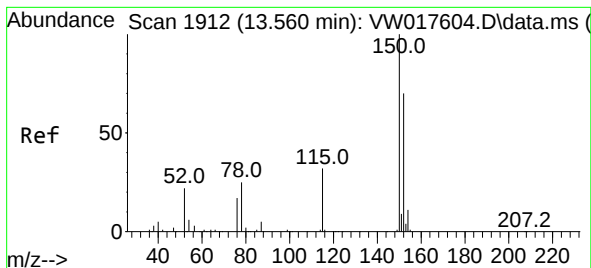
Tgt Ion: 95 Resp: 152684
Ion Ratio Lower Upper
95 100
174 75.4 0.0 180.6
176 69.4 0.0 177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion:117 Resp: 346277
Ion Ratio Lower Upper
117 100
82 55.5 40.7 61.1
119 31.0 25.0 37.4

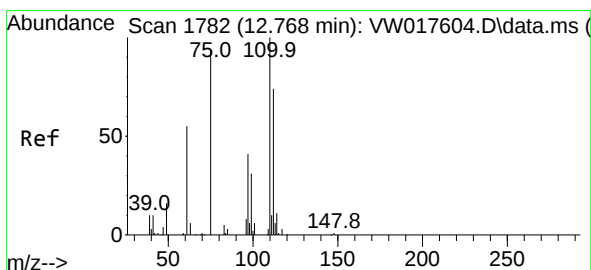
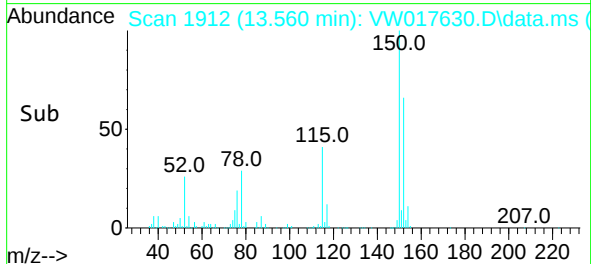
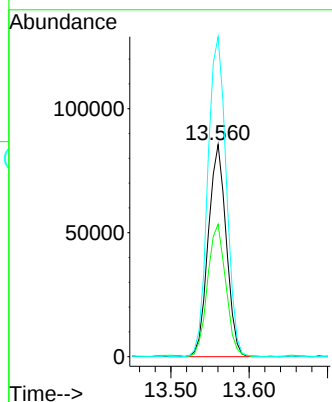
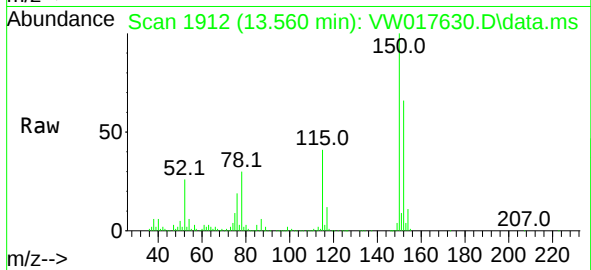




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

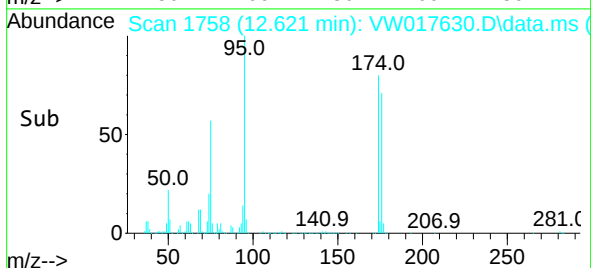
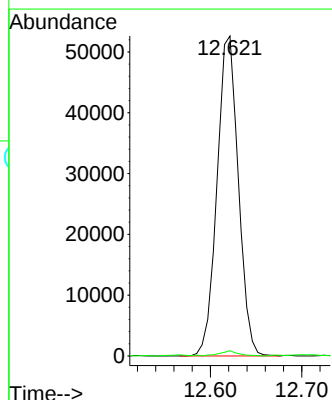
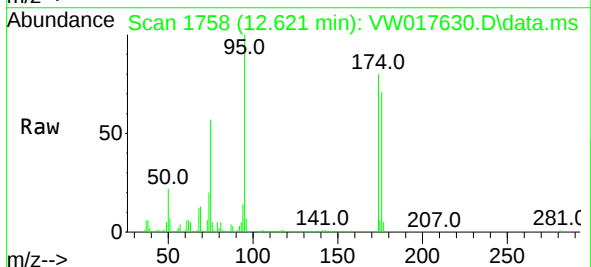
Instrument :
MSVOA_W
ClientSampleId :

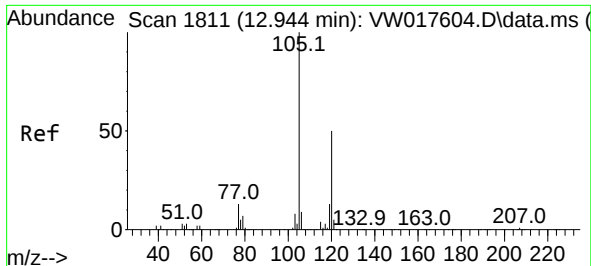
Tgt Ion:152 Resp: 136324
Ion Ratio Lower Upper
152 100
115 63.1 27.9 83.7
150 154.7 0.0 344.0



#76
1,2,3-Trichloropropane
Concen: 65.11 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion: 75 Resp: 85443
Ion Ratio Lower Upper
75 100
77 1.4 178.8 536.3#

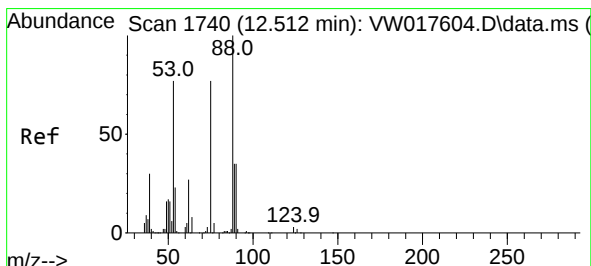
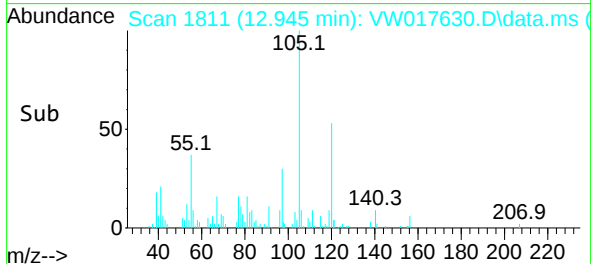
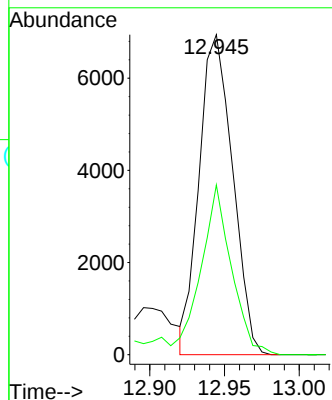
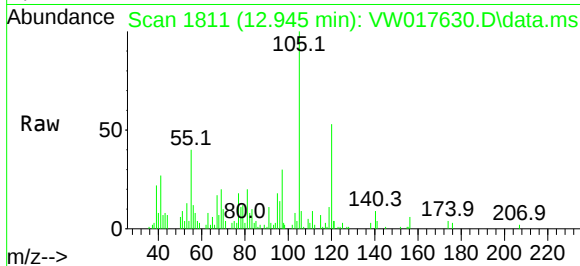




#80
1,3,5-Trimethylbenzene
Concen: 1.18 ug/l
RT: 12.945 min Scan# 1811
Delta R.T. 0.001 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

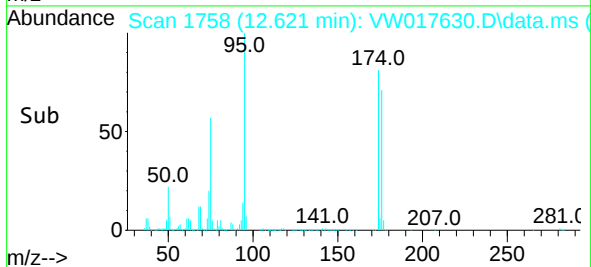
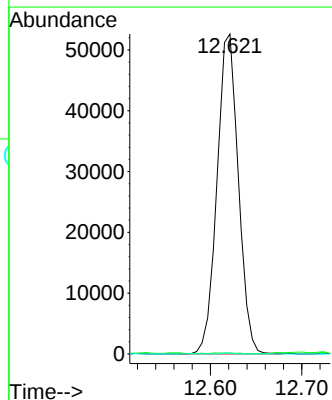
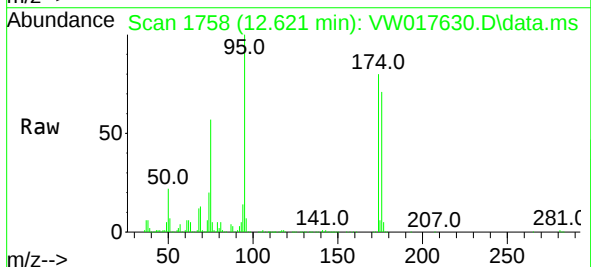
Instrument :
MSVOA_W
ClientSampleId :

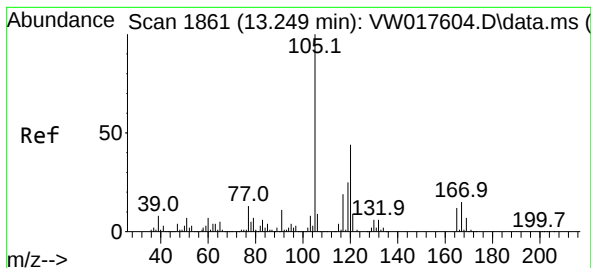
Tgt Ion:105 Resp: 10810
Ion Ratio Lower Upper
105 100
120 48.4 24.9 74.8



#81
trans-1,4-Dichloro-2-butene
Concen: 131.92 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.109 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion: 75 Resp: 85443
Ion Ratio Lower Upper
75 100
53 0.5 77.0 115.4#
89 0.1 38.7 58.1#

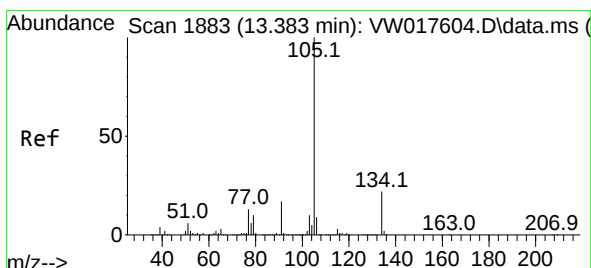
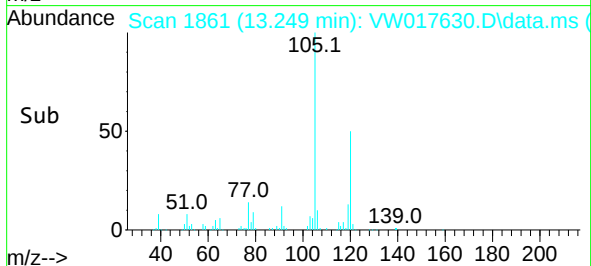
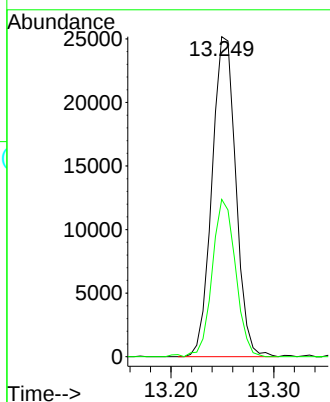
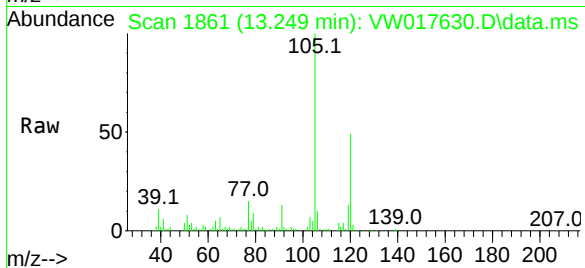




#84
1,2,4-Trimethylbenzene
Concen: 4.51 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

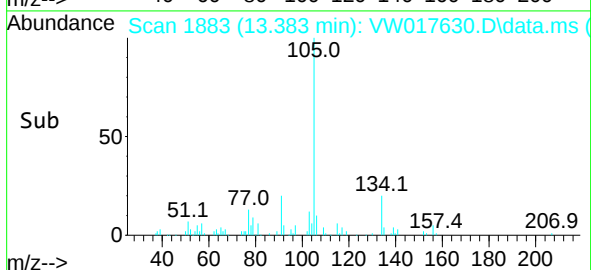
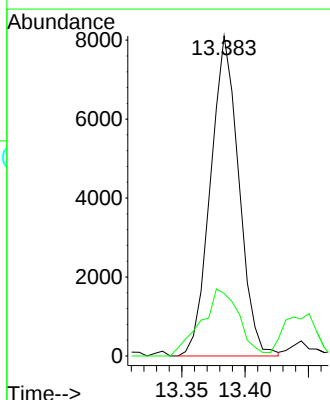
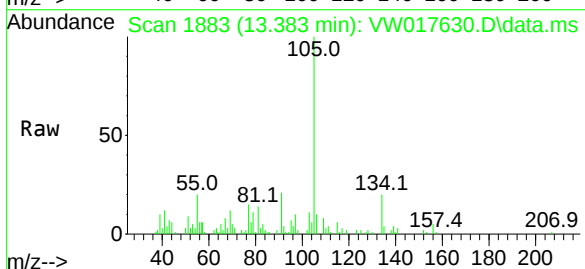
Instrument :
MSVOA_W
ClientSampleId :

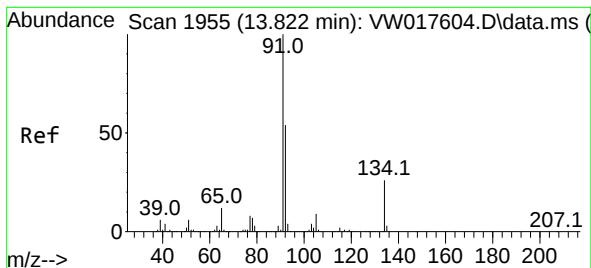
Tgt Ion:105 Resp: 40565
Ion Ratio Lower Upper
105 100
120 48.2 23.4 70.0



#85
sec-Butylbenzene
Concen: 1.15 ug/l
RT: 13.383 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion:105 Resp: 12643
Ion Ratio Lower Upper
105 100
134 27.9 10.6 31.8

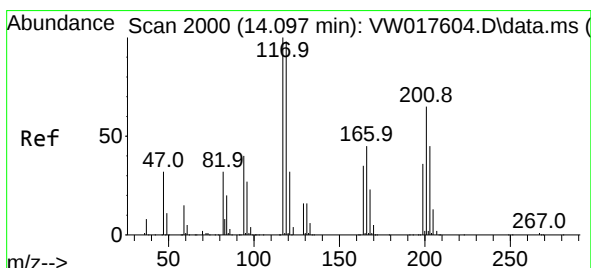
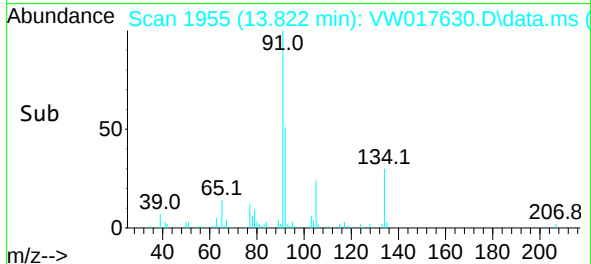
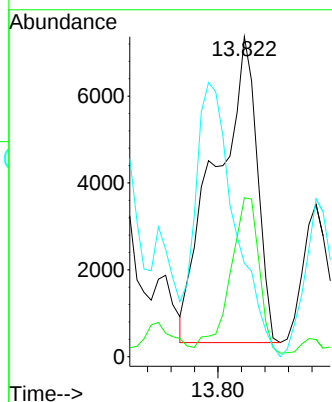
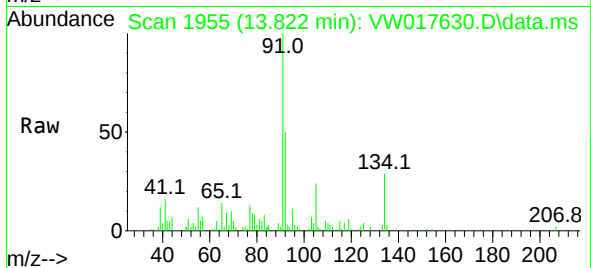




#89
n-Butylbenzene
Concen: 1.79 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

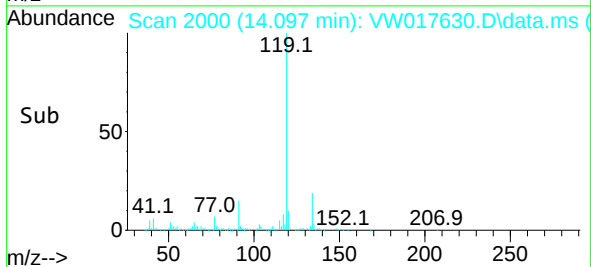
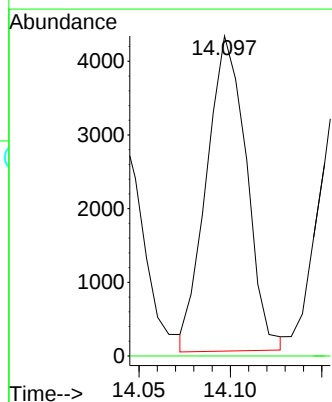
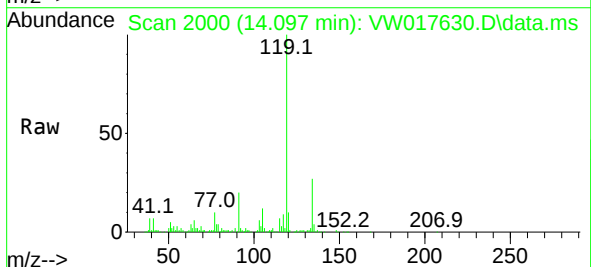
Instrument :
MSVOA_W
ClientSampleId :

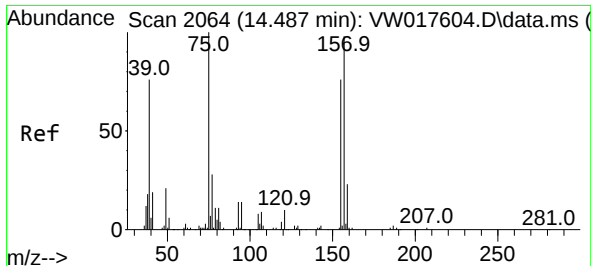
Tgt Ion: 91	Resp: 17353
Ion Ratio	Lower Upper
91	100
92	36.0 26.6 79.7
134	0.0 14.3 42.9#



#90
Hexachloroethane
Concen: 3.34 ug/l
RT: 14.097 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion: 117	Resp: 6489
Ion Ratio	Lower Upper
117	100
201	0.0 41.9 125.7#

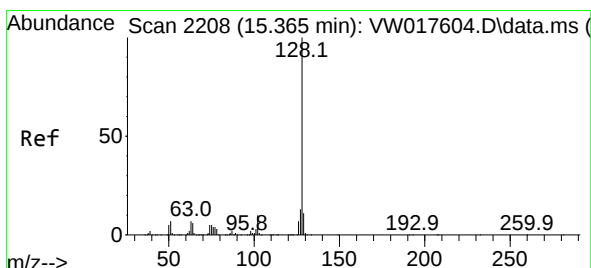
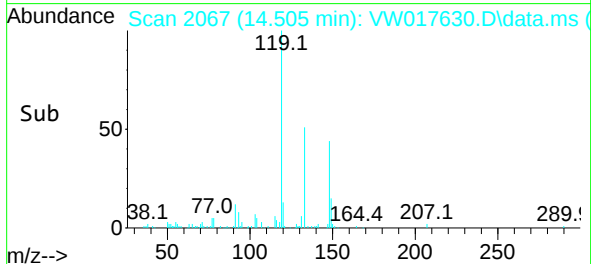
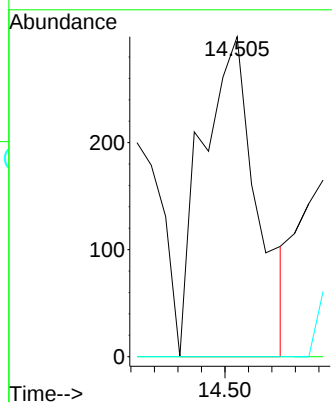
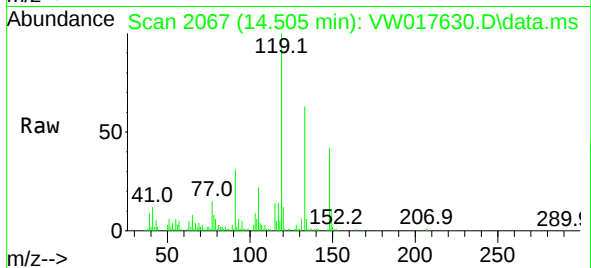




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.48 ug/l
RT: 14.505 min Scan# 2067
Delta R.T. 0.018 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 484
Ion Ratio Lower Upper
75 100
155 0.0 47.6 142.8#
157 0.0 62.2 186.6#



#95
Naphthalene
Concen: 3.54 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017630.D
Acq: 15 Dec 2020 13:38

Tgt Ion: 128 Resp: 18936
Ion Ratio Lower Upper
128 100
127 15.5 10.4 15.6
129 9.4 8.6 12.8

