

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122320\
 Data File : VW017714.D
 Acq On : 23 Dec 2020 16:05
 Operator : SY/VA
 Sample : L5189-11
 Misc : 6.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 18

Quant Time: Dec 24 01:37:43 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)

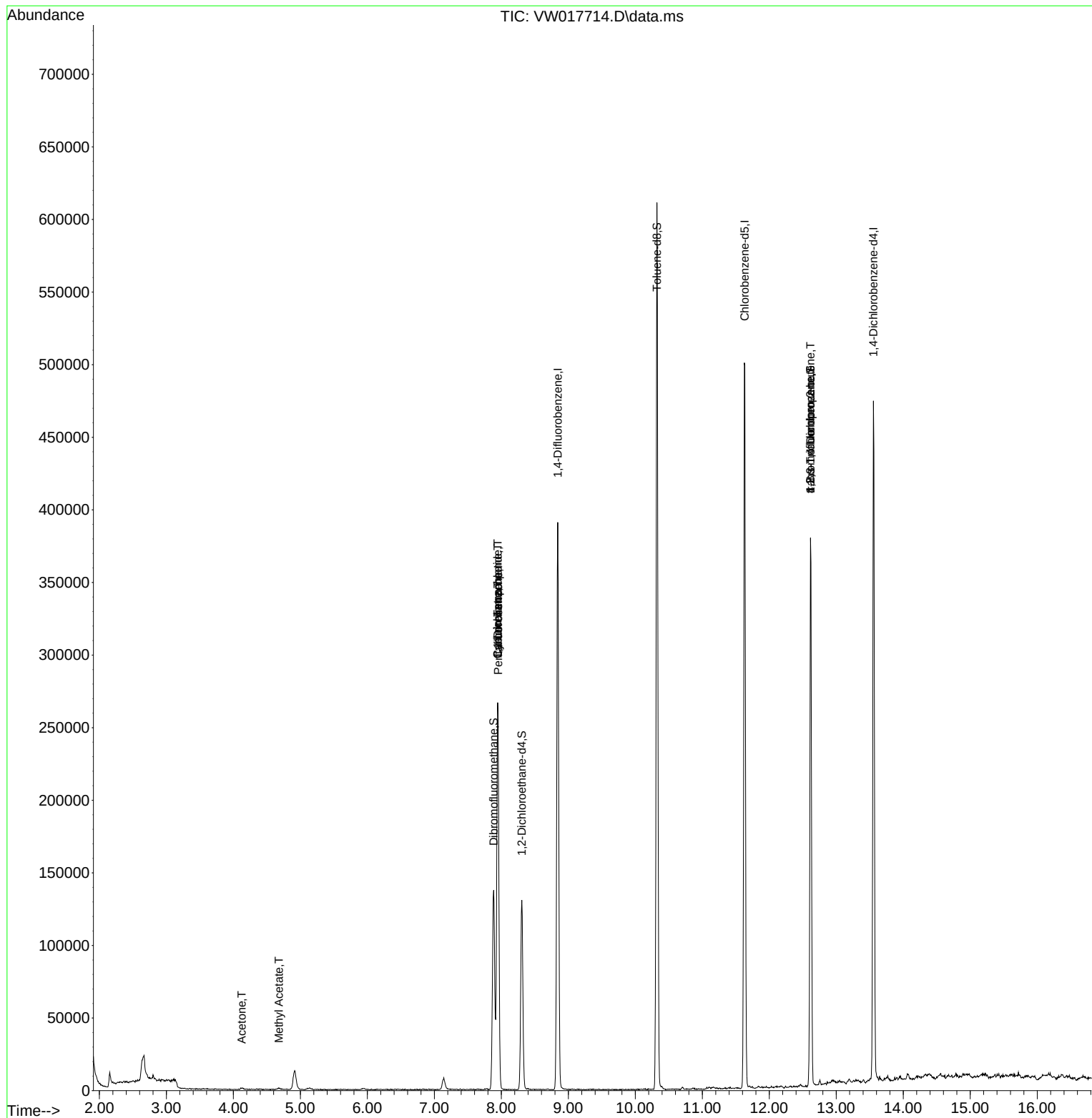
Internal Standards						
1) Pentafluorobenzene	7.952	168	191333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	321985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	268764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	114536	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	105950	45.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.92%	
35) Dibromofluoromethane	7.885	113	96846	45.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.90%	
50) Toluene-d8	10.323	98	391538	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.615	95	121758	41.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.22%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.172	59	174	Below Cal	#	82
16) Acetone	4.123	43	1903	3.75	ug/l	97
18) Methyl Acetate	4.678	43	2104	2.04	ug/l	# 87
20) Methylene Chloride	4.916	84	9781	Below Cal	#	89
26) 2,2-Dichloropropane	7.141	77	540	Below Cal	#	50
31) Cyclohexane	7.946	56	4952	1.23	ug/l	# 46
36) 1,1-Dichloropropene	7.946	75	16822	4.99	ug/l	# 48
38) Carbon Tetrachloride	7.946	117	20567	6.07	ug/l	# 14
76) 1,2,3-Trichloropropane	12.615	75	68139	61.80	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.615	75	68139	125.21	ug/l	# 11

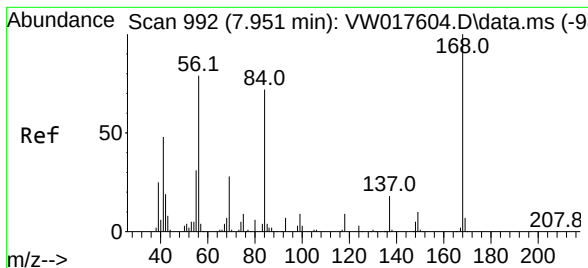
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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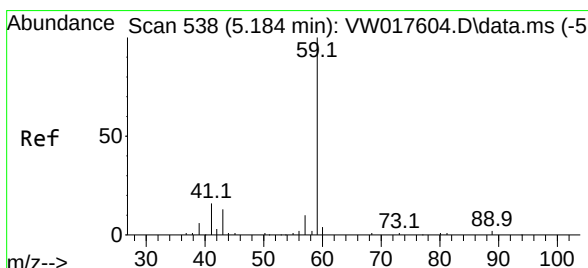
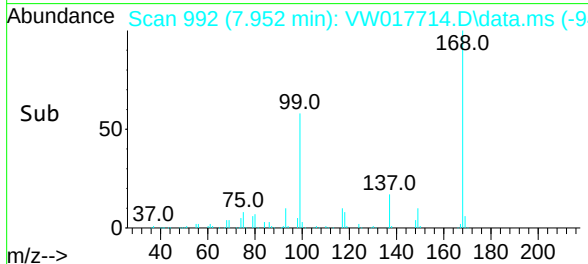
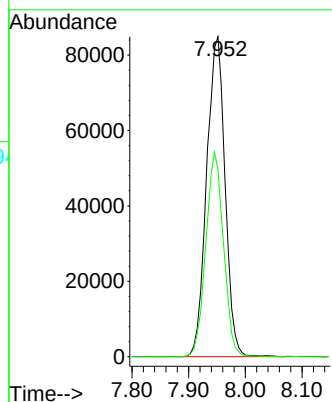
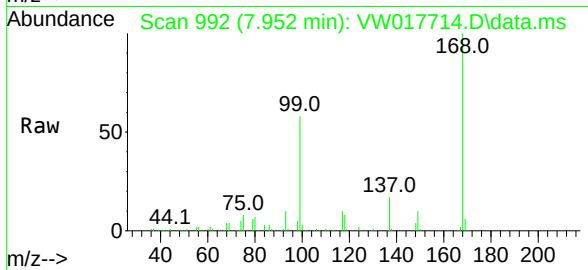




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

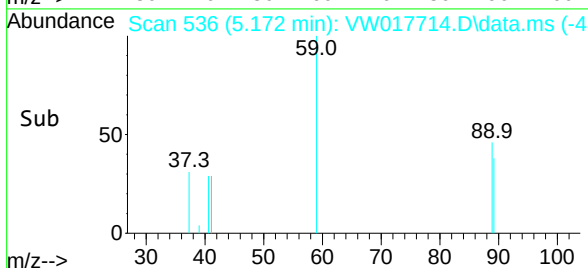
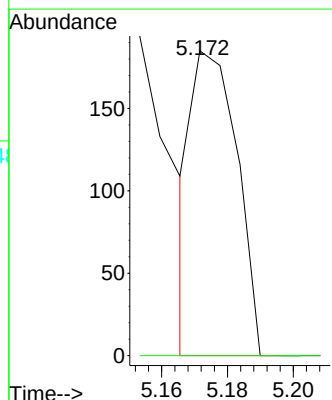
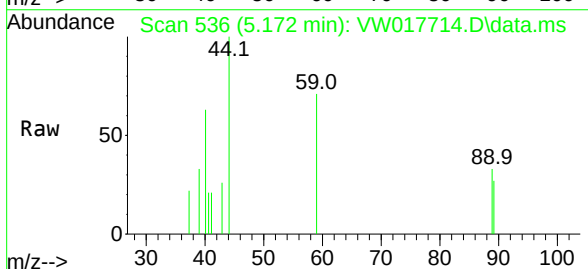
Instrument :
MSVOA_W
ClientSampleId :
18

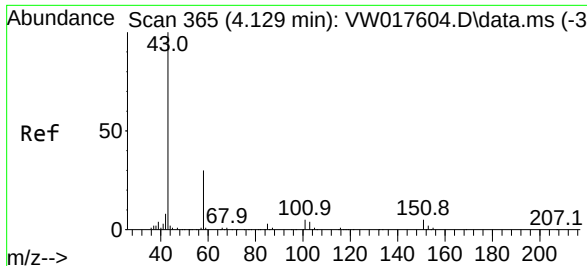
Tgt Ion:168 Resp: 191333
Ion Ratio Lower Upper
168 100
99 58.5 40.7 61.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.172 min Scan# 536
Delta R.T. -0.012 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Tgt Ion: 59 Resp: 174
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

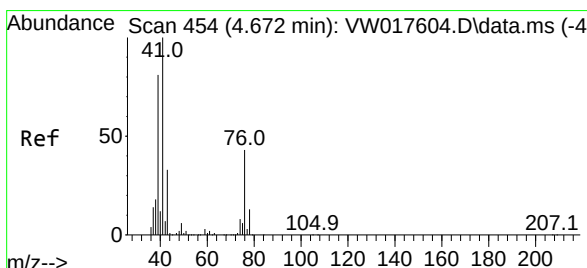
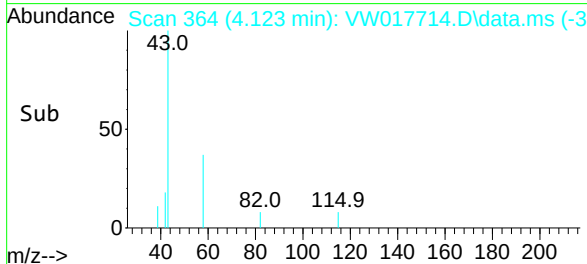
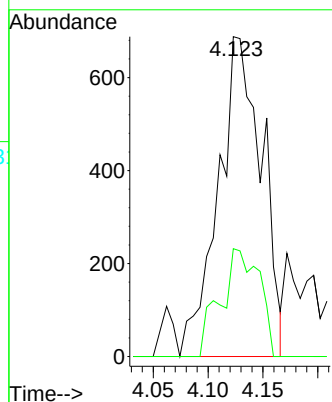
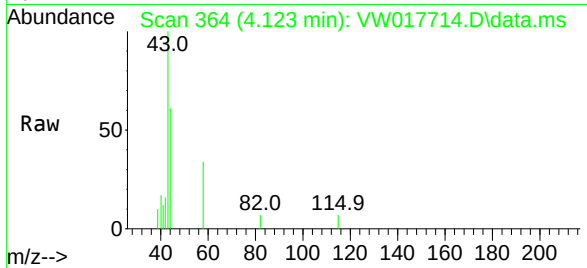




#16
Acetone
Concen: 3.75 ug/l
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

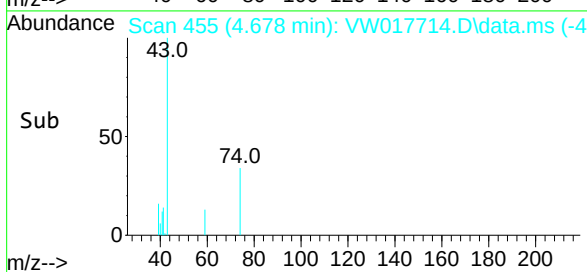
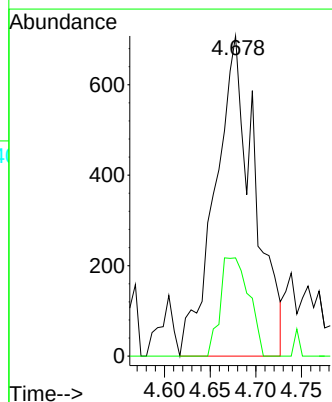
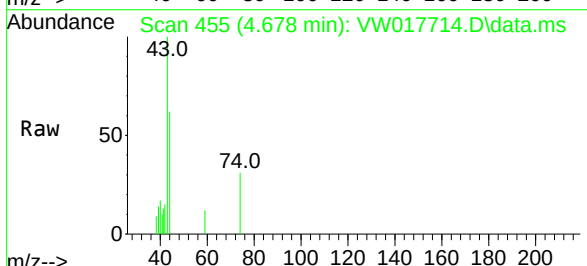
Instrument :
MSVOA_W
ClientSampleId :
18

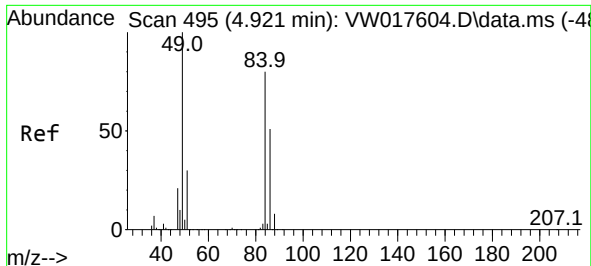
Tgt Ion: 43 Resp: 1903
Ion Ratio Lower Upper
43 100
58 33.7 25.7 38.5



#18
Methyl Acetate
Concen: 2.04 ug/l
RT: 4.678 min Scan# 455
Delta R.T. 0.006 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

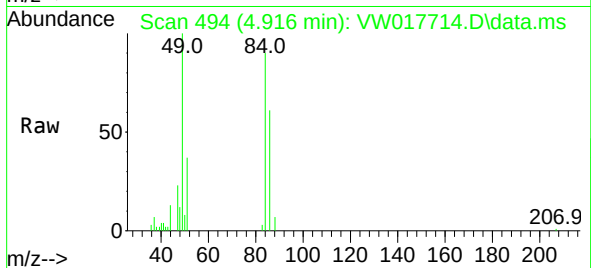
Tgt Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
74 22.5 23.8 35.6#





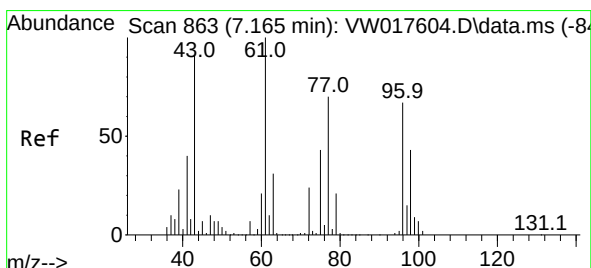
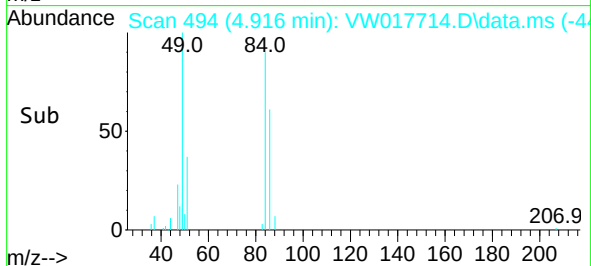
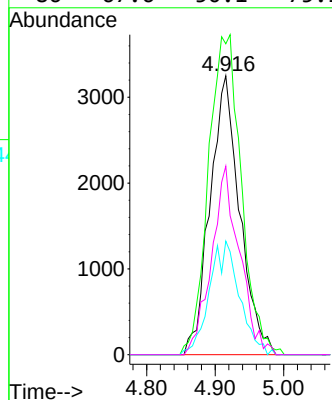
#20
Methylene Chloride
Concen: Below Cal
RT: 4.916 min Scan# 494
Delta R.T. -0.005 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Instrument :
MSVOA_W
ClientSampleId :
18



Tgt Ion: 84 Resp: 9781

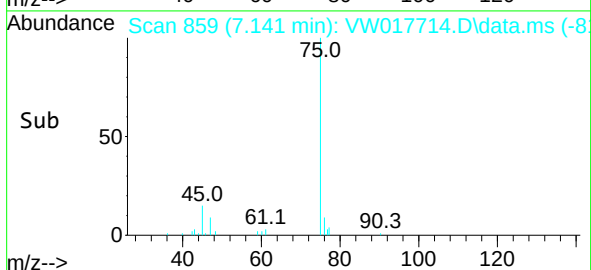
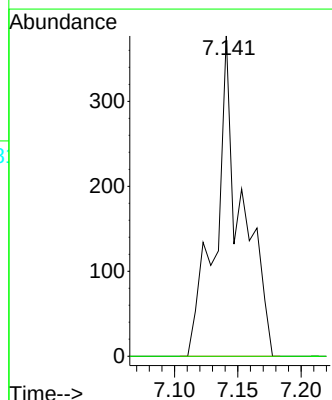
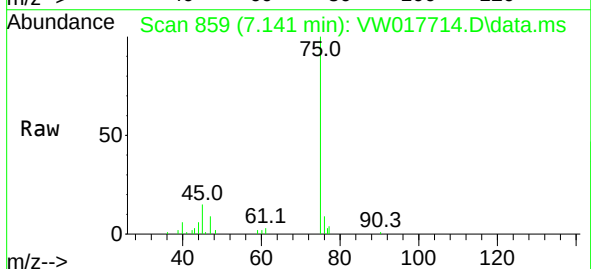
Ion	Ratio	Lower	Upper
84	100		
49	111.5	79.0	118.6
51	40.8	26.1	39.1#
86	67.6	50.1	75.1

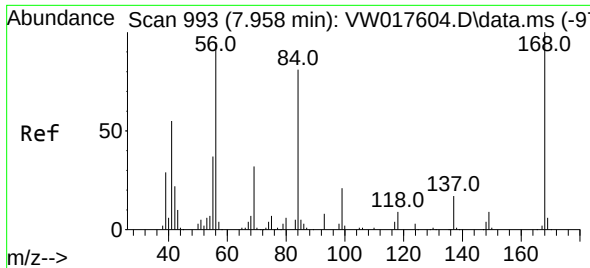


#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.141 min Scan# 859
Delta R.T. -0.024 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Tgt Ion: 77 Resp: 540

Ion	Ratio	Lower	Upper
77	100		
97	0.0	12.4	37.4#

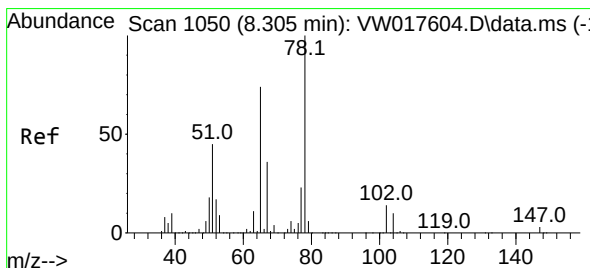
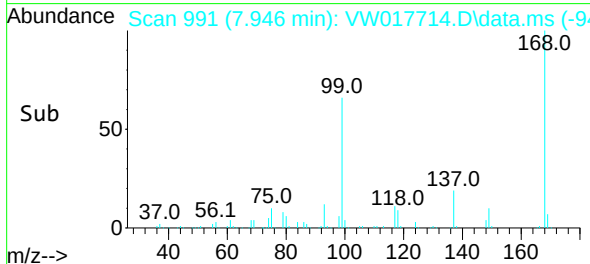
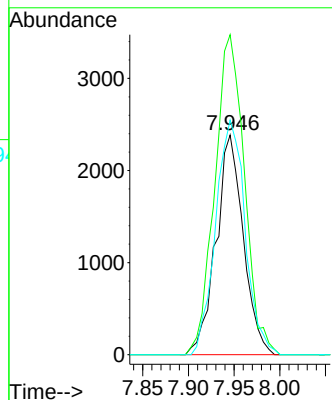
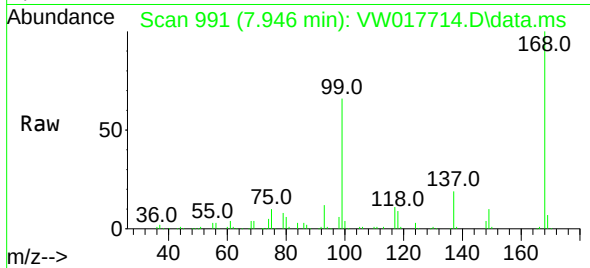




#31
Cyclohexane
Concen: 1.23 ug/l
RT: 7.946 min Scan# 991
Delta R.T. -0.012 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

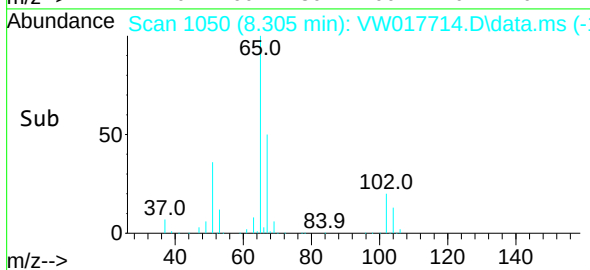
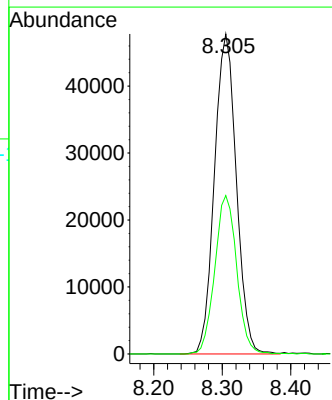
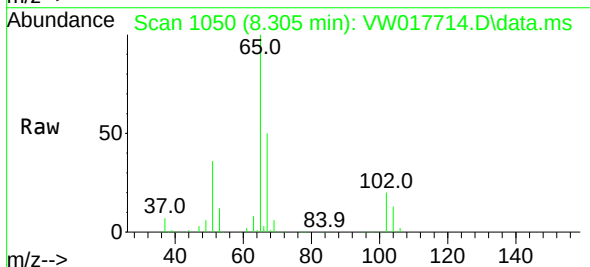
Instrument :
MSVOA_W
ClientSampleId :
18

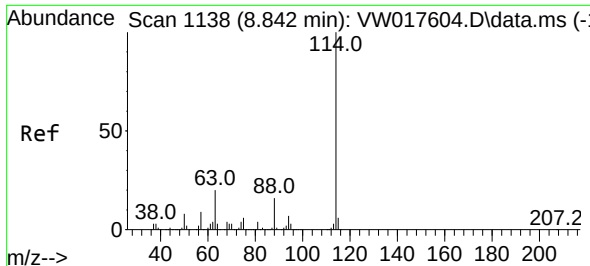
Tgt Ion: 56 Resp: 4952
Ion Ratio Lower Upper
56 100
69 145.7 29.3 43.9#
84 106.8 80.5 120.7



#33
1,2-Dichloroethane-d4
Concen: 45.46 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

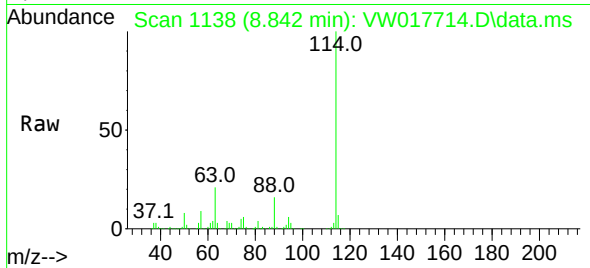
Tgt Ion: 65 Resp: 105950
Ion Ratio Lower Upper
65 100
67 49.6 0.0 103.8



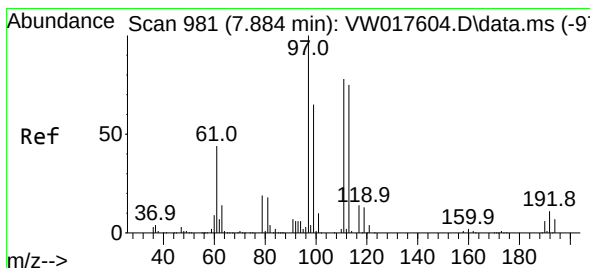
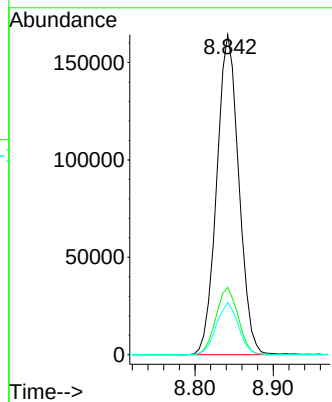
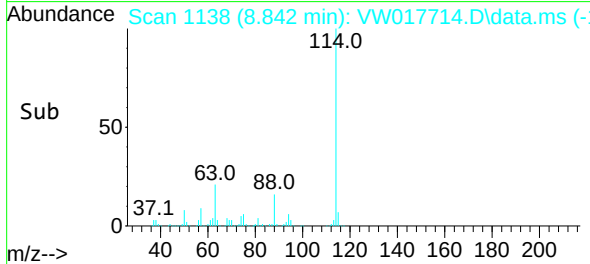


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Instrument :
MSVOA_W
ClientSampleId :
18

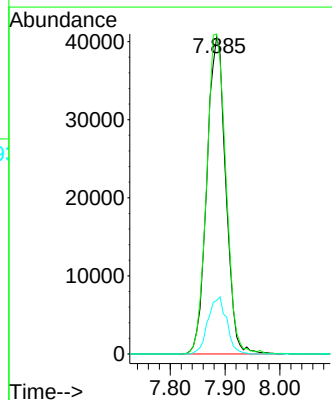
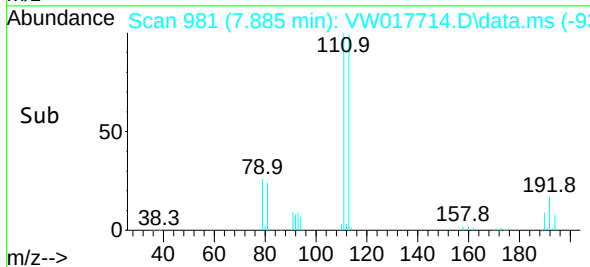
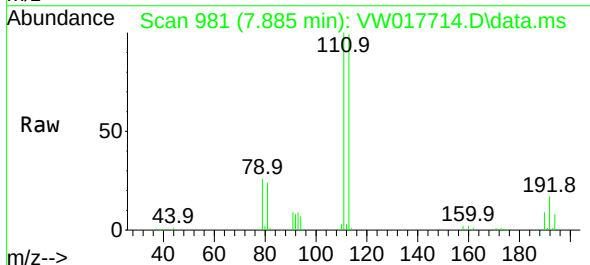


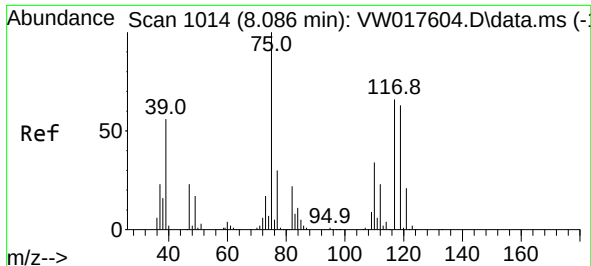
Tgt Ion:114 Resp: 321985
Ion Ratio Lower Upper
114 100
63 21.1 0.0 35.6
88 16.3 0.0 30.4



#35
Dibromofluoromethane
Concen: 45.45 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.001 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Tgt Ion:113 Resp: 96846
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.2
192 17.8 17.8 26.8#

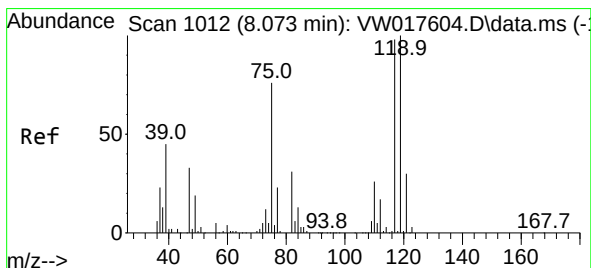
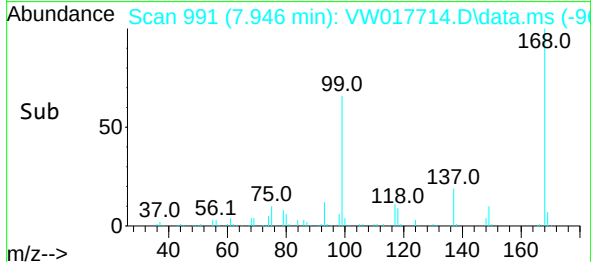
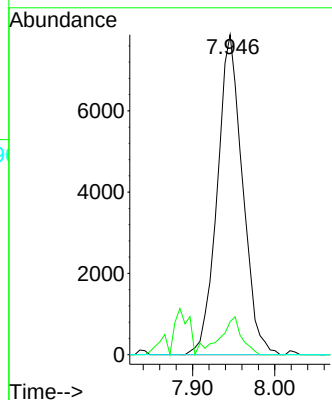
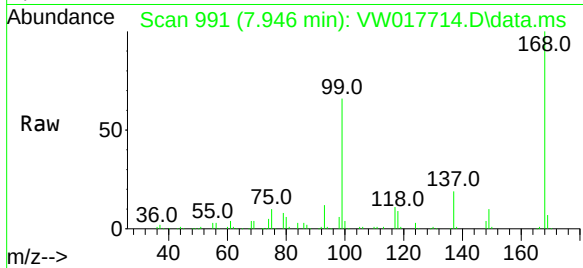




#36
1,1-Dichloropropene
Concen: 4.99 ug/l
RT: 7.946 min Scan# 991
Delta R.T. -0.140 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

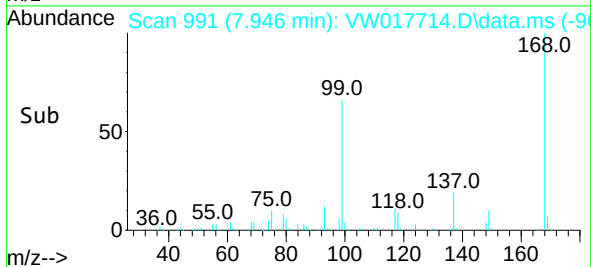
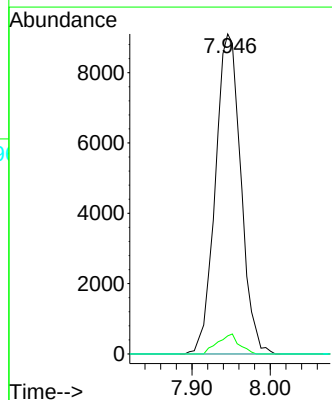
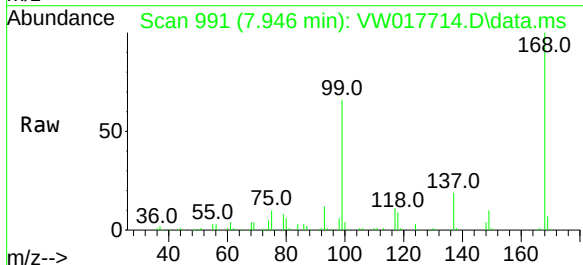
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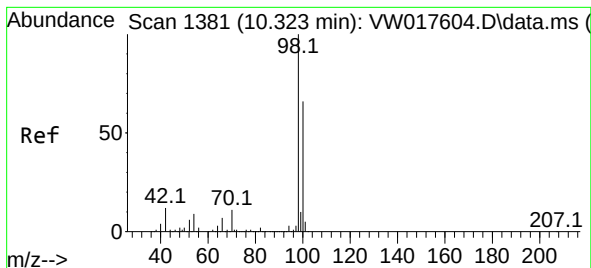
Tgt Ion: 75 Resp: 16822
Ion Ratio Lower Upper
75 100
110 9.4 19.3 57.9#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.07 ug/l
RT: 7.946 min Scan# 991
Delta R.T. -0.127 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Tgt Ion: 117 Resp: 20567
Ion Ratio Lower Upper
117 100
119 5.7 81.6 122.4#
121 0.0 25.7 38.5#

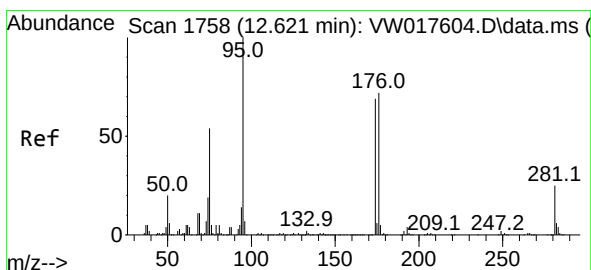
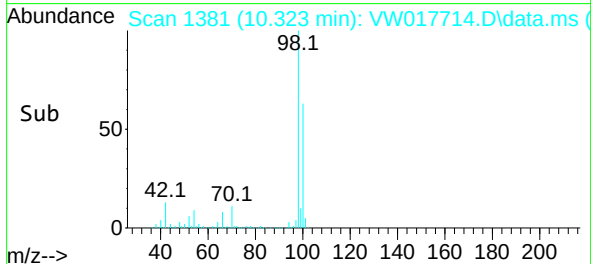
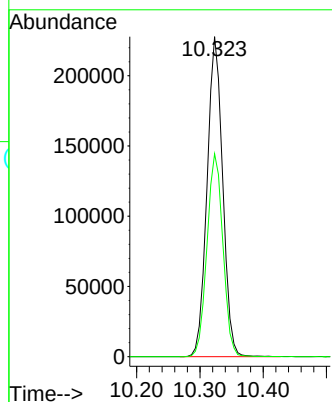
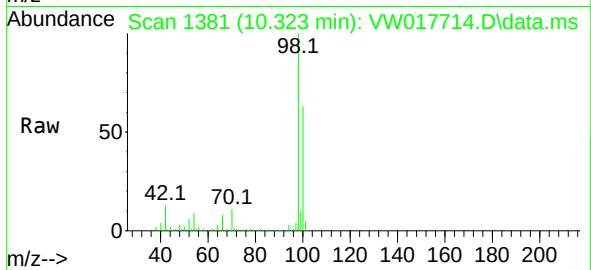




#50
Toluene-d8
Concen: 47.20 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

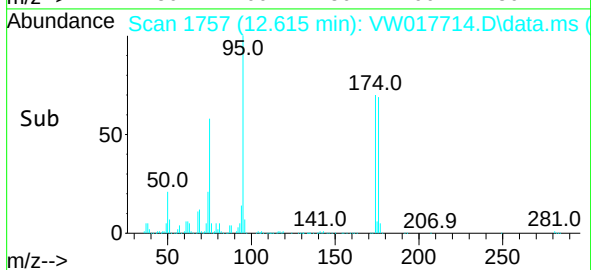
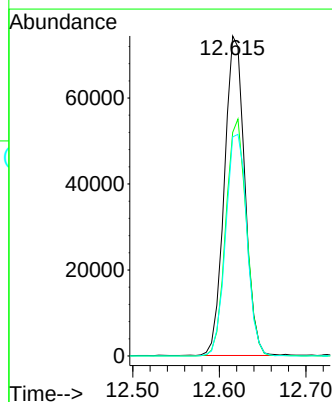
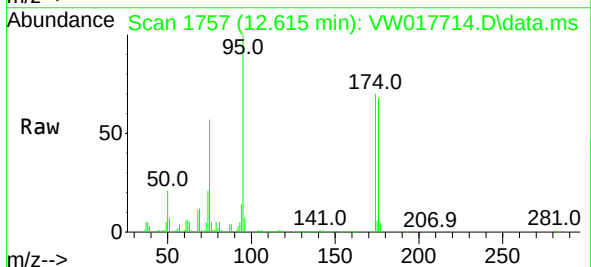
Instrument :
MSVOA_W
ClientSampled :
18

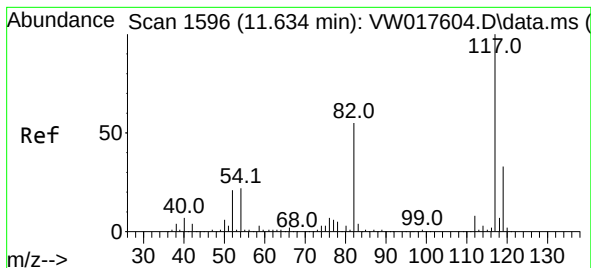
Tgt Ion: 98 Resp: 391538
Ion Ratio Lower Upper
98 100
100 64.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 41.11 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.006 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Tgt Ion: 95 Resp: 121758
Ion Ratio Lower Upper
95 100
174 74.6 0.0 180.6
176 72.1 0.0 177.6

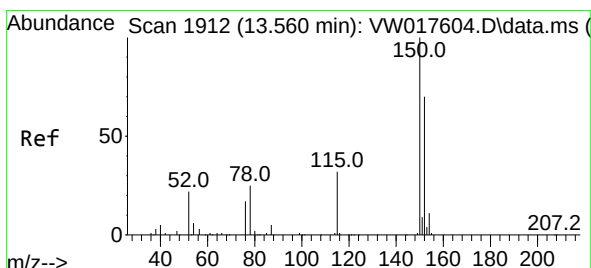
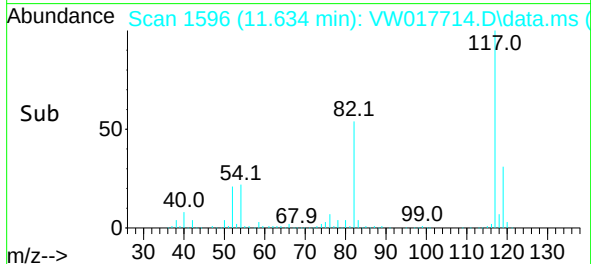
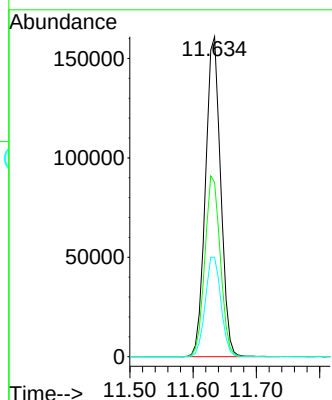
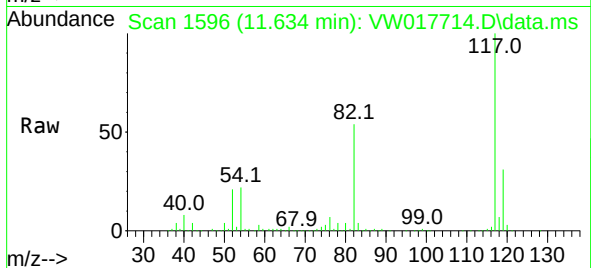




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

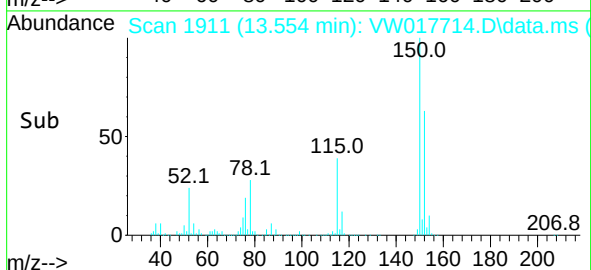
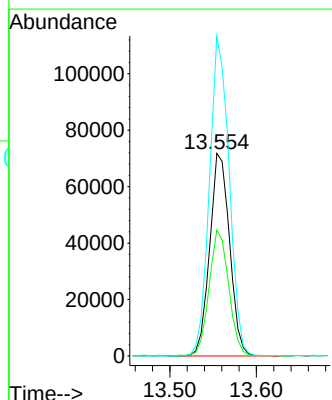
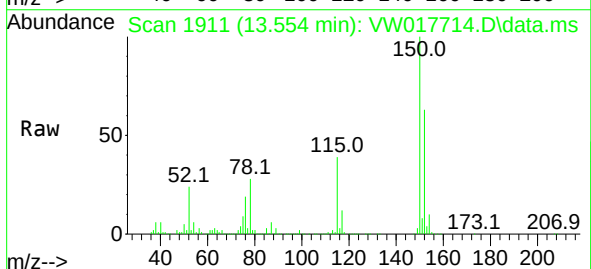
Instrument :
MSVOA_W
ClientSampleId :
18

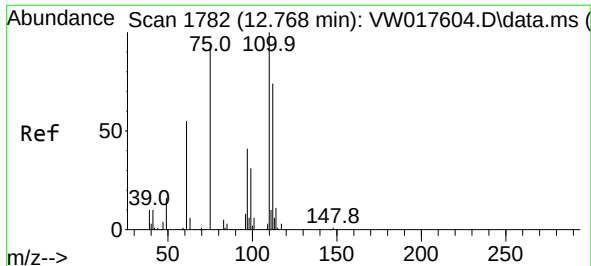
Tgt Ion:117 Resp: 268764
Ion Ratio Lower Upper
117 100
82 54.4 40.7 61.1
119 31.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Tgt Ion:152 Resp: 114536
Ion Ratio Lower Upper
152 100
115 61.6 27.9 83.7
150 156.3 0.0 344.0

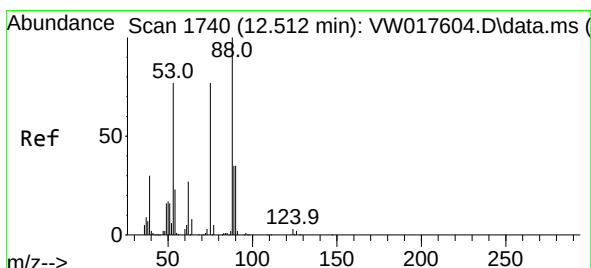
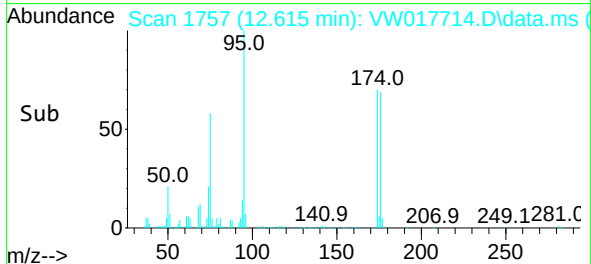
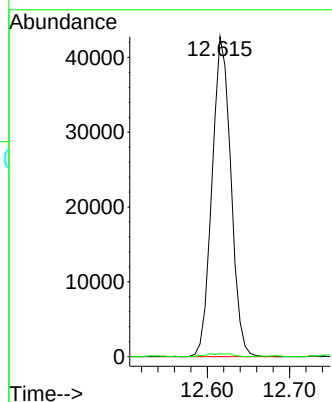
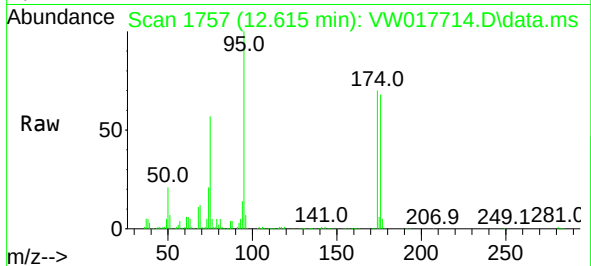




#76
1,2,3-Trichloropropane
Concen: 61.80 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Instrument :
MSVOA_W
ClientSampleId :
18

Tgt Ion: 75 Resp: 68139
Ion Ratio Lower Upper
75 100
77 1.3 178.8 536.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.21 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW017714.D
Acq: 23 Dec 2020 16:05

Tgt Ion: 75 Resp: 68139
Ion Ratio Lower Upper
75 100
53 0.1 77.0 115.4#
89 0.0 38.7 58.1#

