

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072321\
 Data File : VW019581.D
 Acq On : 23 Jul 2021 18:33
 Operator : SY/VA
 Sample : M3151-02
 Misc : 4.88g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 05:21:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W071921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 20 04:37:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

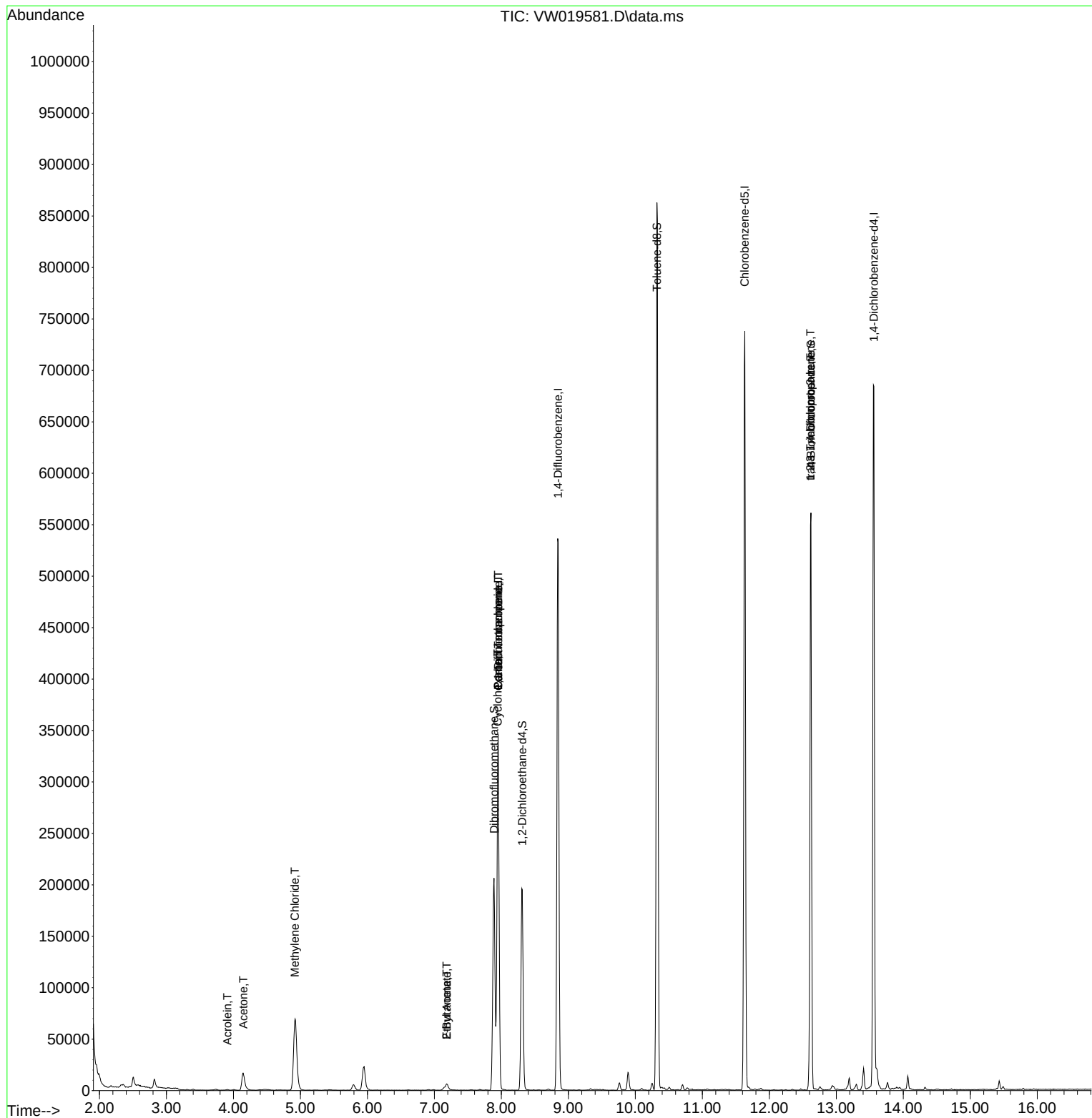
Internal Standards						
1) Pentafluorobenzene	7.951	168	243426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	460033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	412153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	181405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	158864	69.194	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.380%	
35) Dibromofluoromethane	7.890	113	147096	52.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.680%	
50) Toluene-d8	10.323	98	586206	53.869	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.740%	
62) 4-Bromofluorobenzene	12.621	95	194497	47.648	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.202	59	217	Below Cal	#	73
13) Acrolein	3.909	56	917	5.667	ug/l #	74
16) Acetone	4.147	43	33797	76.340	ug/l	97
20) Methylene Chloride	4.915	84	60464	17.849	ug/l	95
25) 2-Butanone	7.183	43	11213	14.724	ug/l	98
31) Cyclohexane	7.945	56	5527	1.081	ug/l #	1
36) 1,1-Dichloropropene	7.951	75	20801	4.241	ug/l #	50
37) Ethyl Acetate	7.183	43	11213	5.455	ug/l #	67
38) Carbon Tetrachloride	7.951	117	25797	6.021	ug/l #	16
76) 1,2,3-Trichloropropane	12.615	75	98610	55.001	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	98610	125.347	ug/l #	12

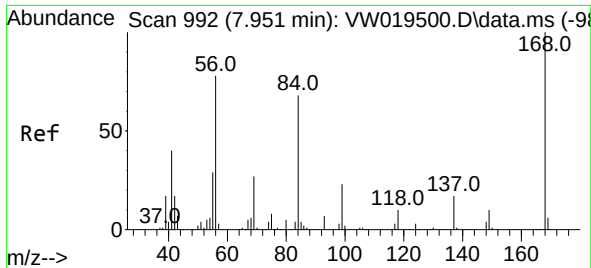
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 20 04:37:55 2021
Response via : Initial Calibration

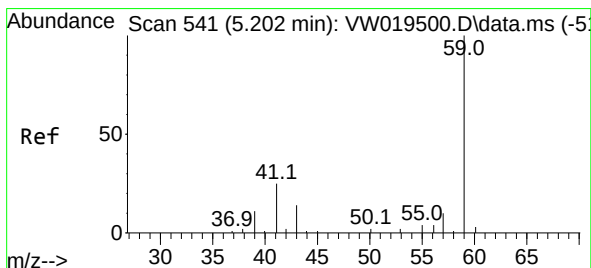
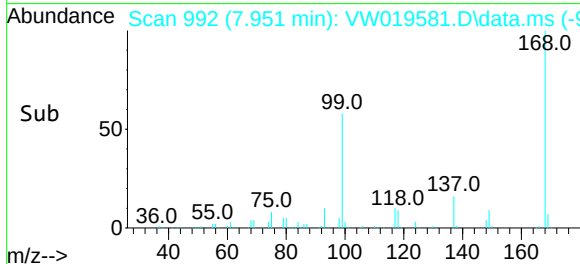
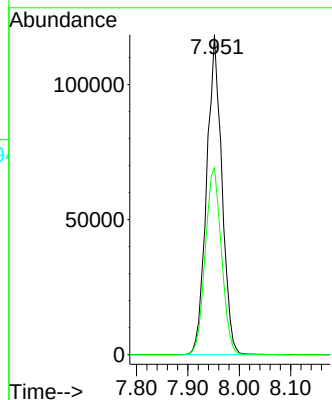
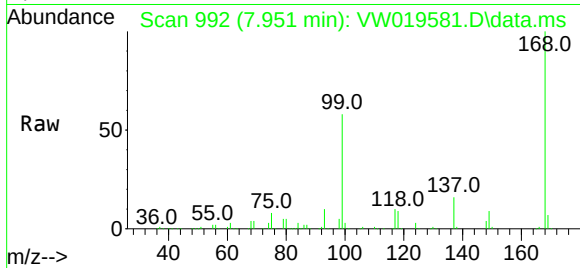




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

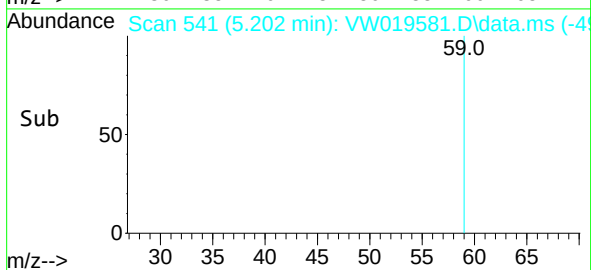
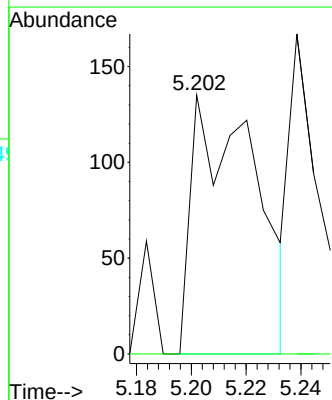
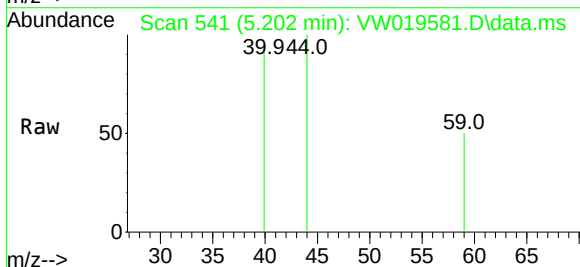
Instrument :
MSVOA_W
ClientSampled :

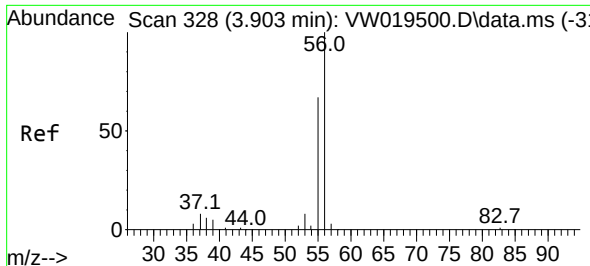
Tgt Ion:168 Resp: 243426
Ion Ratio Lower Upper
168 100
99 58.4 51.9 77.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.202 min Scan# 541
Delta R.T. -0.000 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

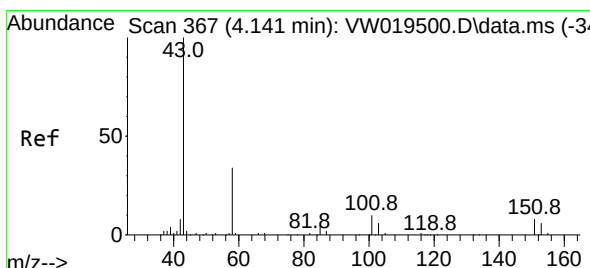
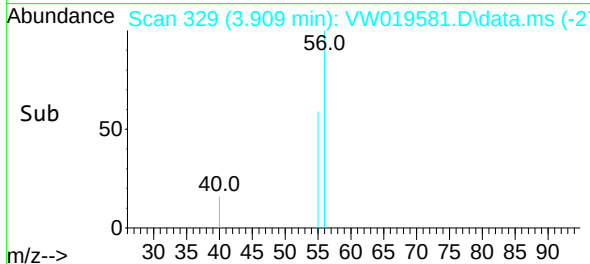
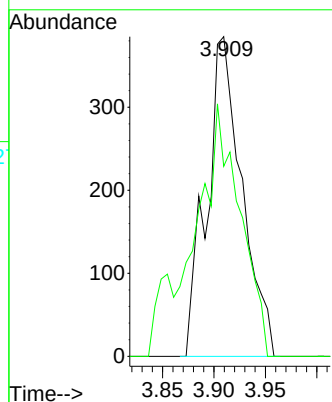
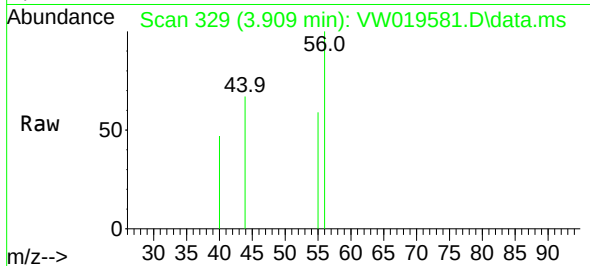




#13
Acrolein
Concen: 5.667 ug/l
RT: 3.909 min Scan# 329
Delta R.T. 0.006 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

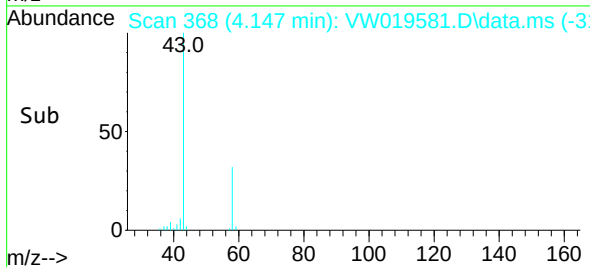
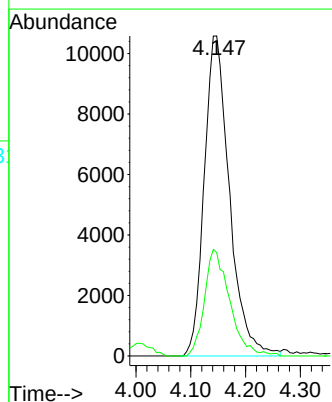
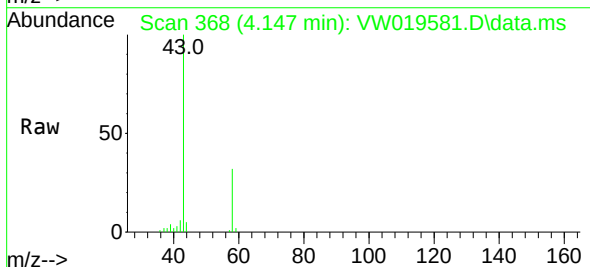
Instrument :
MSVOA_W
ClientSampled :

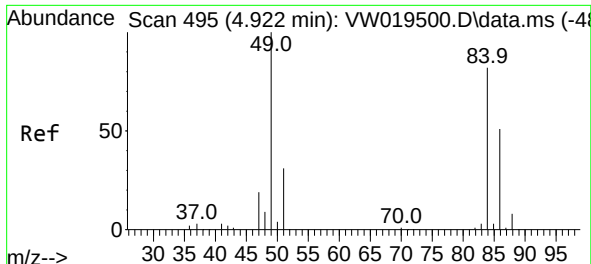
Tgt Ion: 56 Resp: 917
Ion Ratio Lower Upper
56 100
55 92.0 56.3 84.5#



#16
Acetone
Concen: 76.340 ug/l
RT: 4.147 min Scan# 368
Delta R.T. 0.006 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

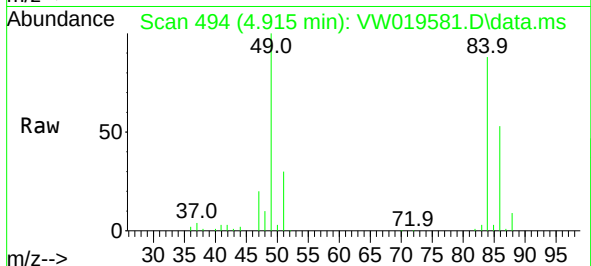
Tgt Ion: 43 Resp: 33797
Ion Ratio Lower Upper
43 100
58 32.4 27.2 40.8



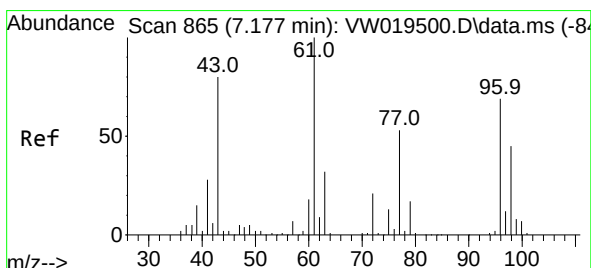
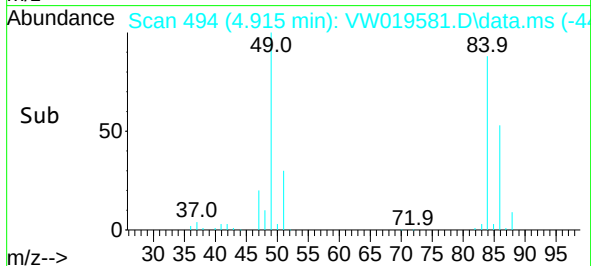
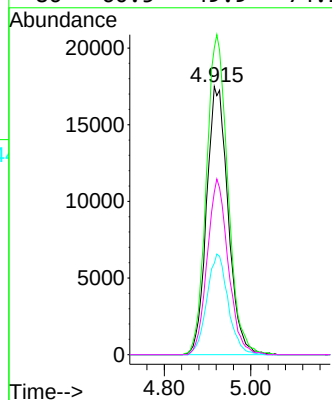


#20
Methylene Chloride
Concen: 17.849 ug/l
RT: 4.915 min Scan# 494
Delta R.T. -0.007 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

Instrument :
MSVOA_W
ClientSampleId :

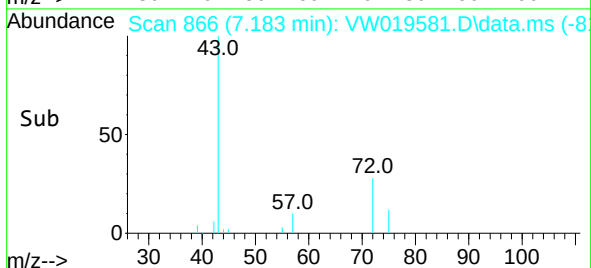
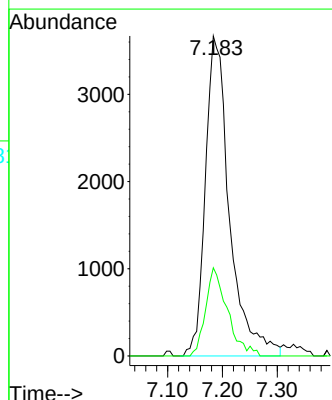
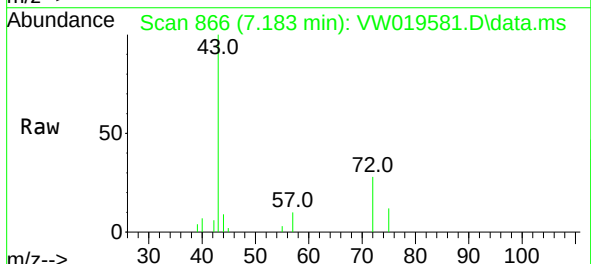


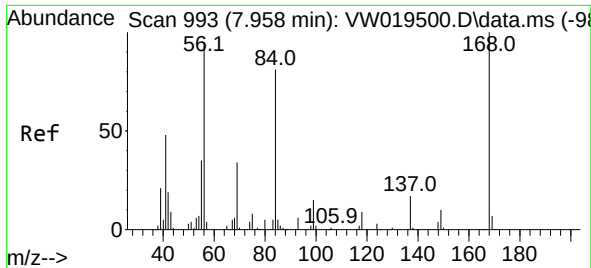
Tgt Ion:	84	Resp:	60464
Ion	Ratio	Lower	Upper
84	100		
49	114.3	97.2	145.8
51	34.0	30.1	45.1
86	60.5	49.9	74.9



#25
2-Butanone
Concen: 14.724 ug/l
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

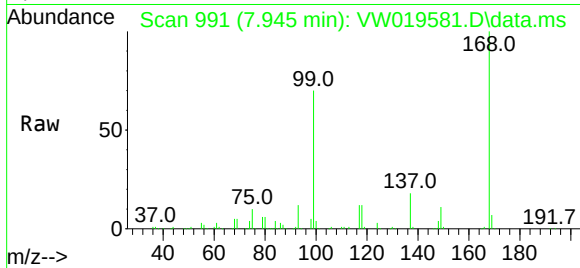
Tgt Ion:	43	Resp:	11213
Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.4	32.0



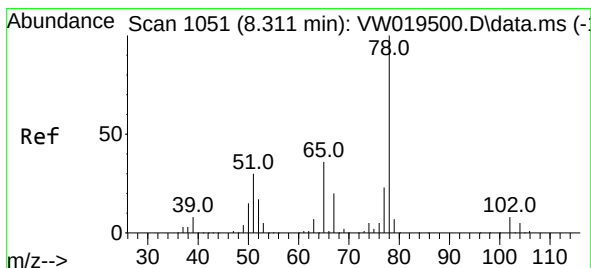
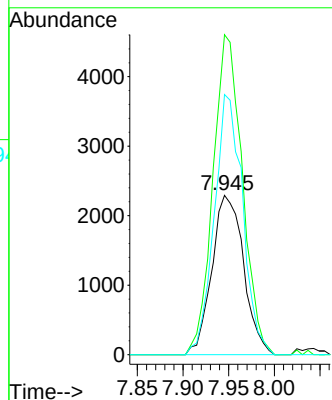
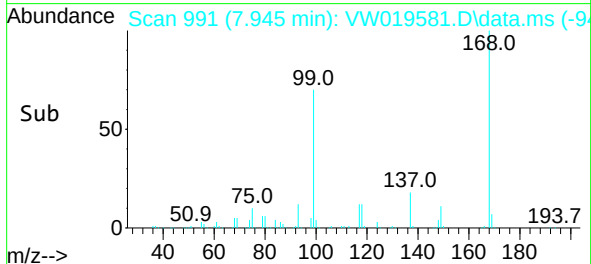


#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.012 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

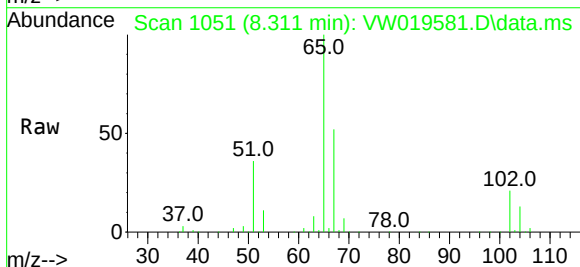
Instrument :
MSVOA_W
ClientSampleId :



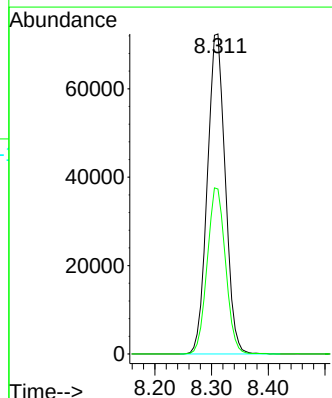
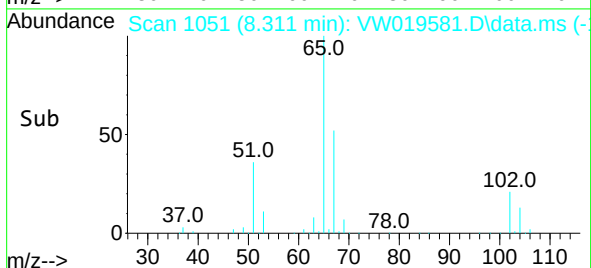
Tgt Ion: 56 Resp: 5527
Ion Ratio Lower Upper
56 100
69 200.8 28.3 42.5#
84 167.3 68.1 102.1#

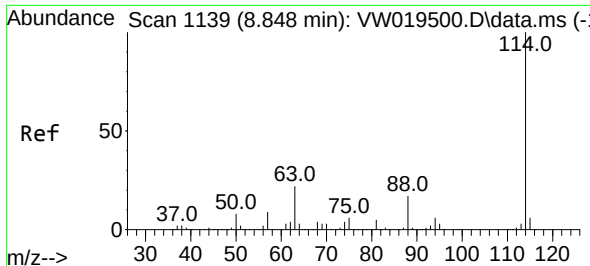


#33
1,2-Dichloroethane-d4
Concen: 69.194 ug/l
RT: 8.311 min Scan# 1051
Delta R.T. 0.000 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33



Tgt Ion: 65 Resp: 158864
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.8

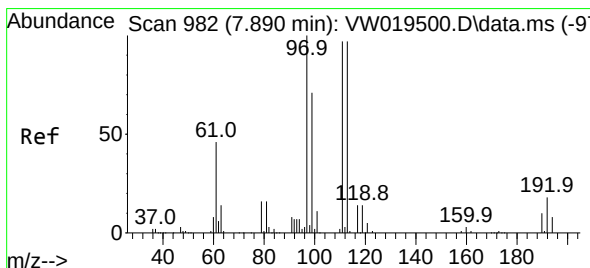
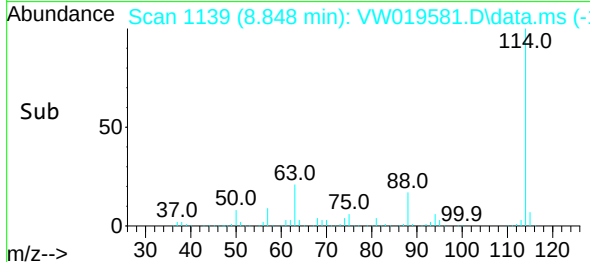
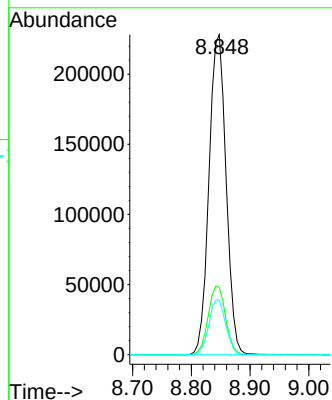
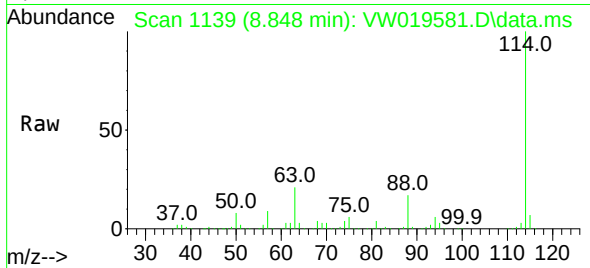




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.848 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

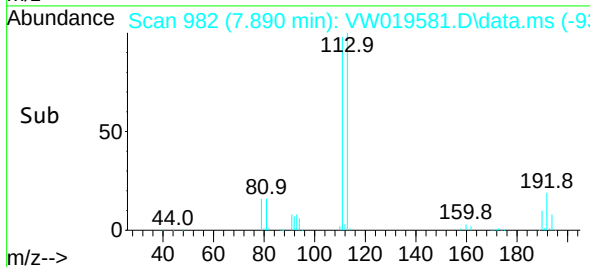
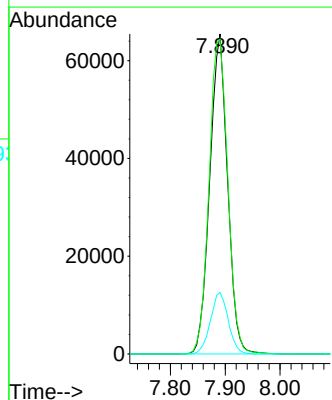
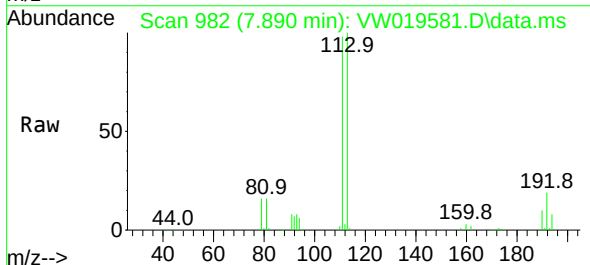
Instrument :
MSVOA_W
ClientSampleId :

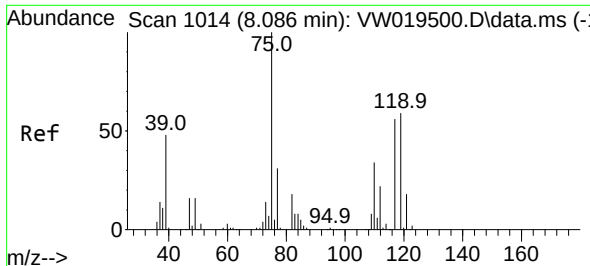
Tgt Ion:114 Resp: 460033
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.8
88 17.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 52.336 ug/l
RT: 7.890 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

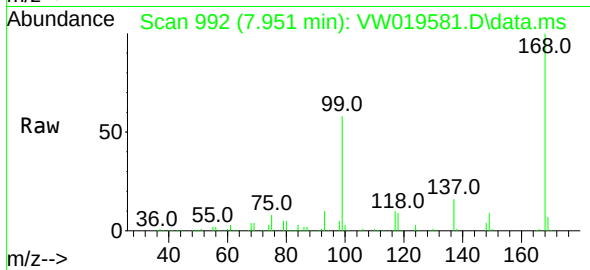
Tgt Ion:113 Resp: 147096
Ion Ratio Lower Upper
113 100
111 104.0 83.8 125.6
192 19.3 15.4 23.2



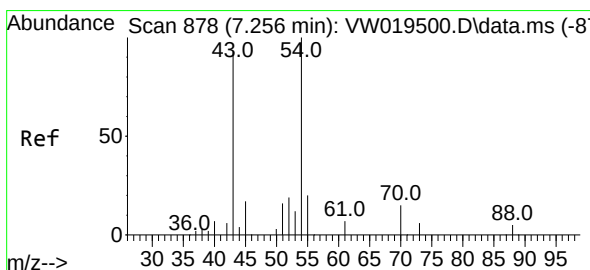
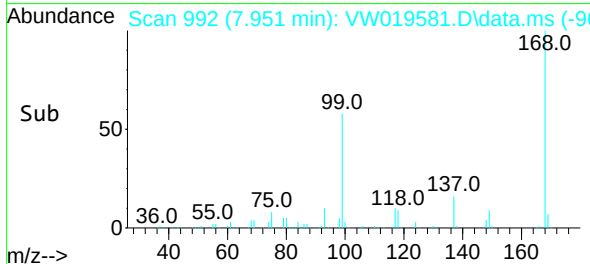
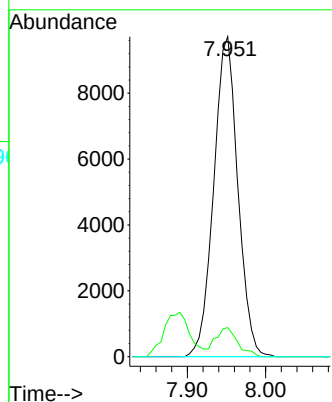


#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.134 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

Instrument :
MSVOA_W
ClientSampled :

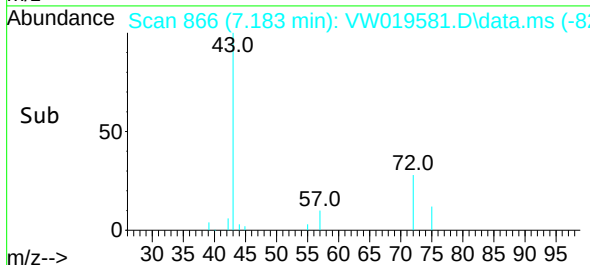
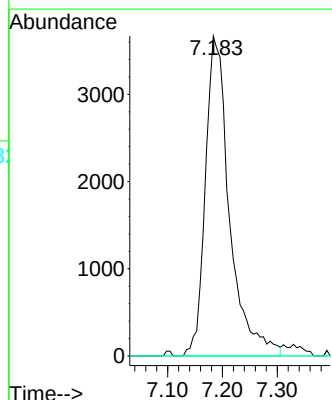
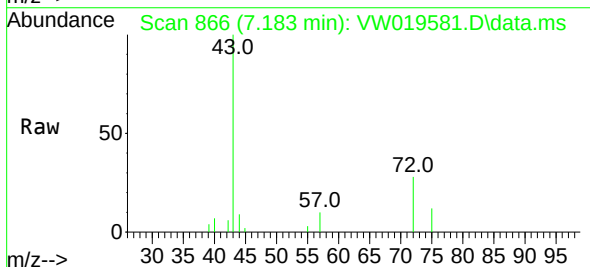


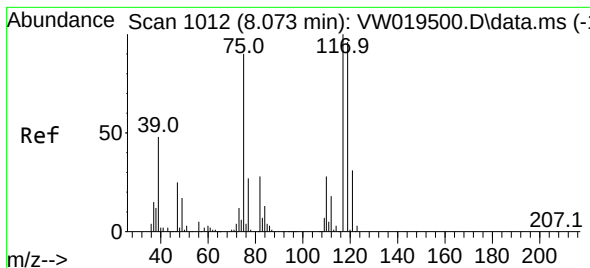
Tgt Ion: 75 Resp: 20801
Ion Ratio Lower Upper
75 100
110 8.6 16.6 49.7#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 5.455 ug/l
RT: 7.183 min Scan# 866
Delta R.T. -0.073 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

Tgt Ion: 43 Resp: 11213
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 6.021 ug/l

RT: 7.951 min Scan# 992

Delta R.T. -0.122 min

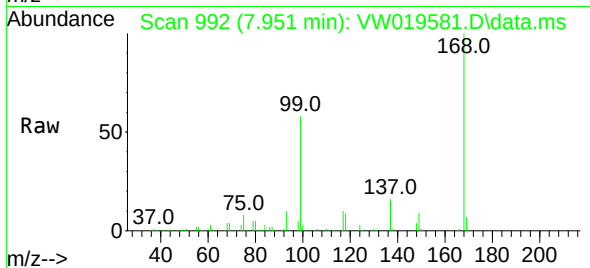
Lab File: VW019581.D

Acq: 23 Jul 2021 18:33

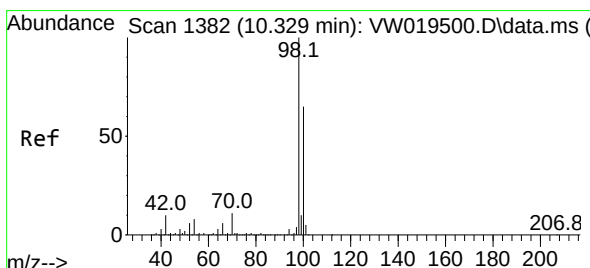
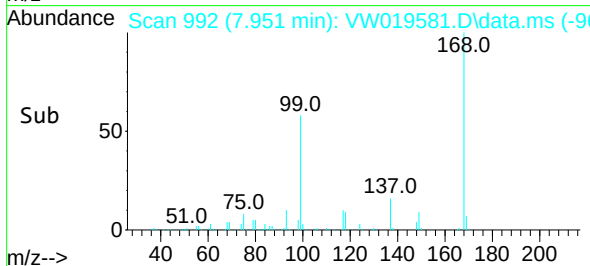
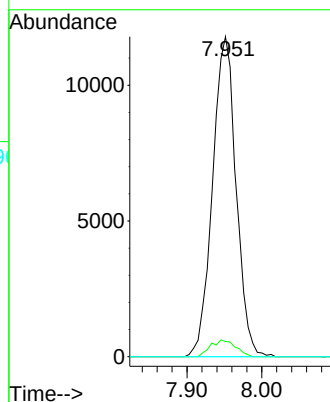
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	117	Resp:	25797
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.7	115.1#
121	0.0	24.8	37.2#



#50

Toluene-d8

Concen: 53.869 ug/l

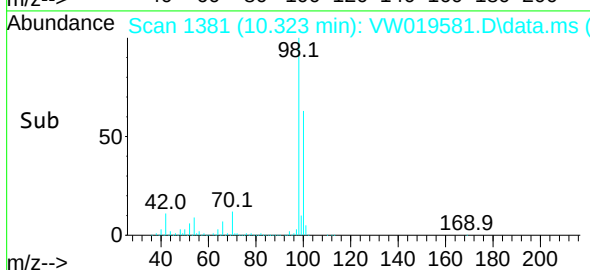
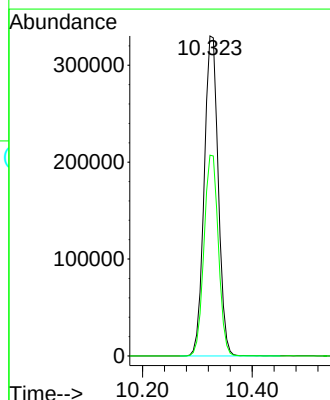
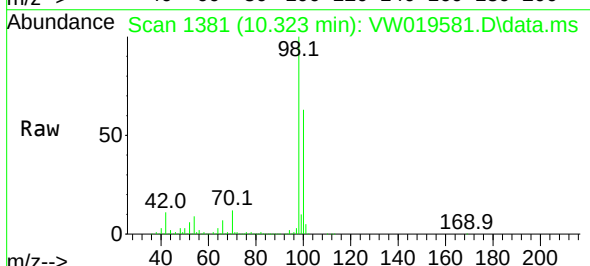
RT: 10.323 min Scan# 1381

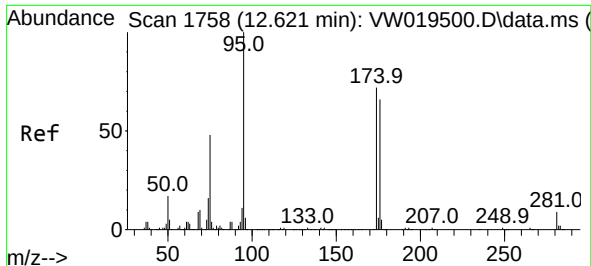
Delta R.T. -0.006 min

Lab File: VW019581.D

Acq: 23 Jul 2021 18:33

Tgt Ion:	98	Resp:	586206
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.4

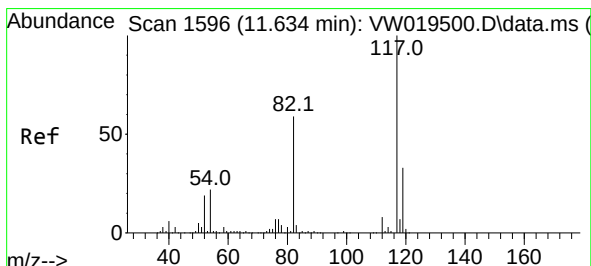
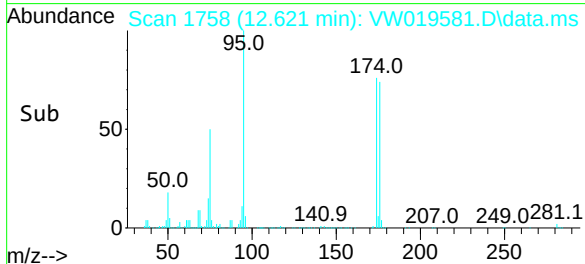
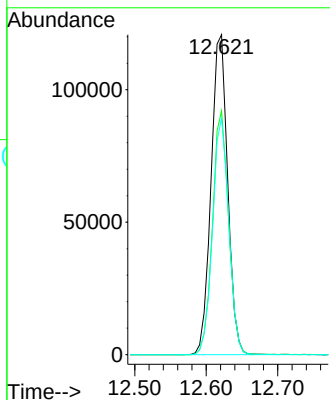
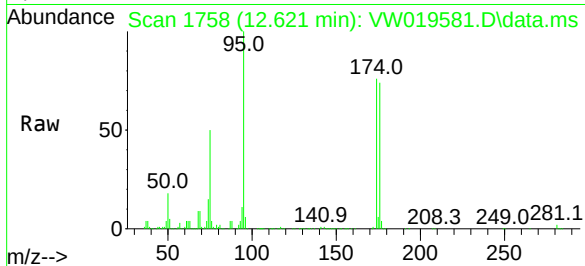




#62
4-Bromofluorobenzene
Concen: 47.648 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

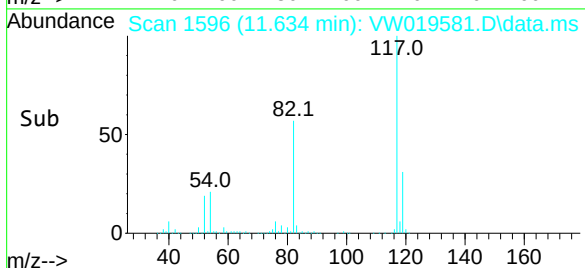
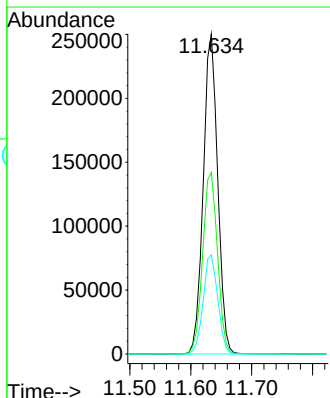
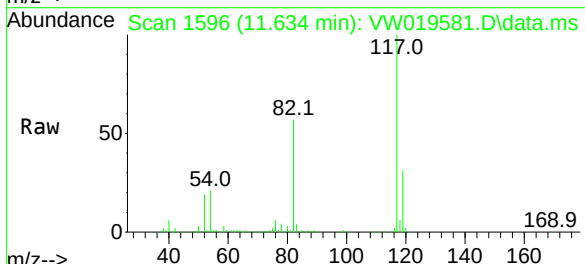
Instrument :
MSVOA_W
ClientSampleId :

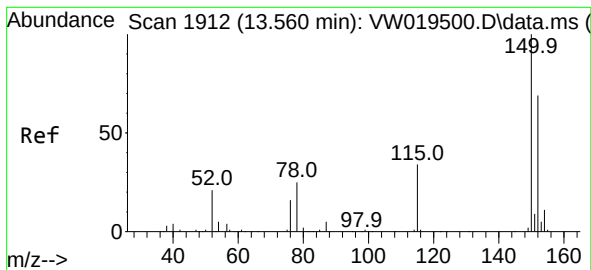
Tgt Ion: 95 Resp: 194497
Ion Ratio Lower Upper
95 100
174 74.0 0.0 146.6
176 72.3 0.0 136.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

Tgt Ion: 117 Resp: 412153
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.0
119 31.0 26.6 39.8

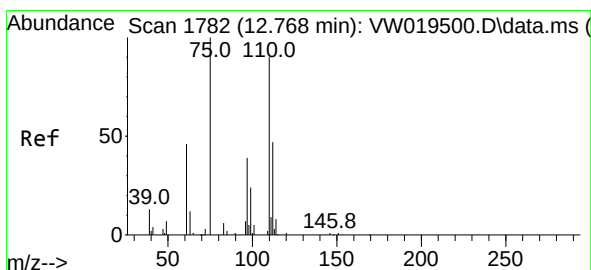
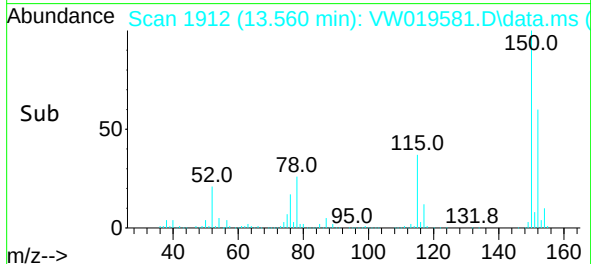
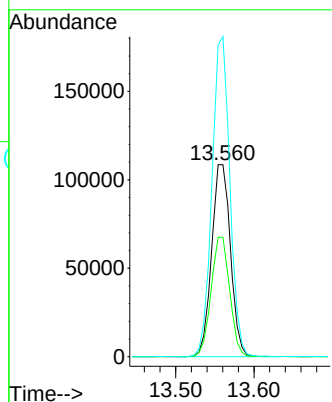
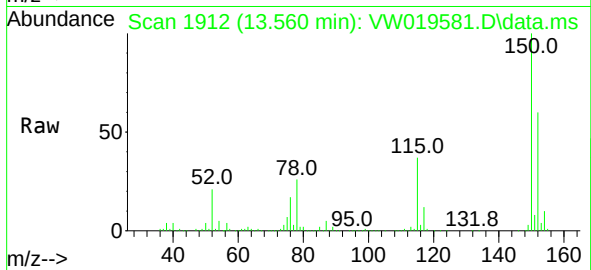




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

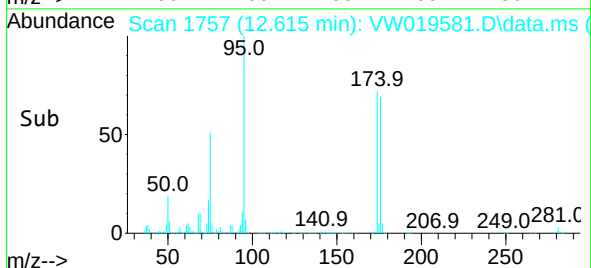
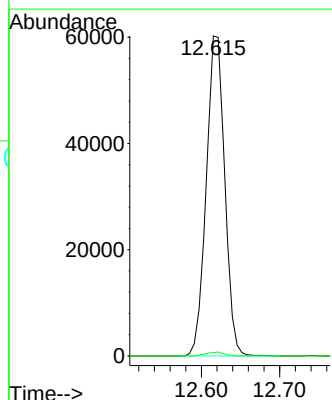
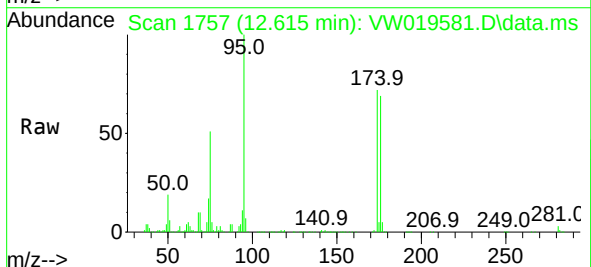
Instrument :
MSVOA_W
ClientSampled :

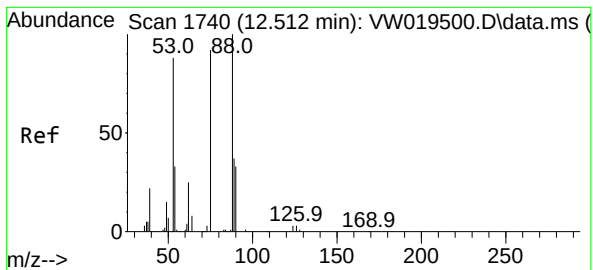
Tgt Ion:152 Resp: 181405
Ion Ratio Lower Upper
152 100
115 61.3 30.6 91.8
150 158.3 0.0 342.4



#76
1,2,3-Trichloropropane
Concen: 55.001 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.152 min
Lab File: VW019581.D
Acq: 23 Jul 2021 18:33

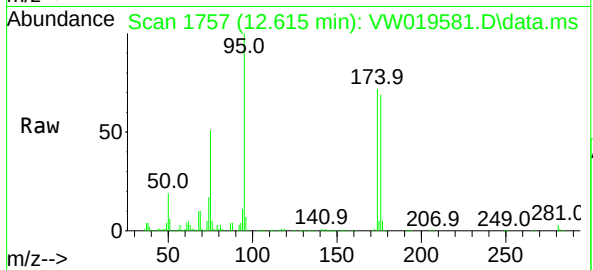
Tgt Ion: 75 Resp: 98610
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.347 ug/l
 RT: 12.615 min Scan# 1757
 Delta R.T. 0.104 min
 Lab File: VW019581.D
 Acq: 23 Jul 2021 18:33

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.1	35.7	53.5#

