

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072321\
 Data File : VW019577.D
 Acq On : 23 Jul 2021 16:51
 Operator : SY/VA
 Sample : M3150-04
 Misc : 5.21g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 05:20:06 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)

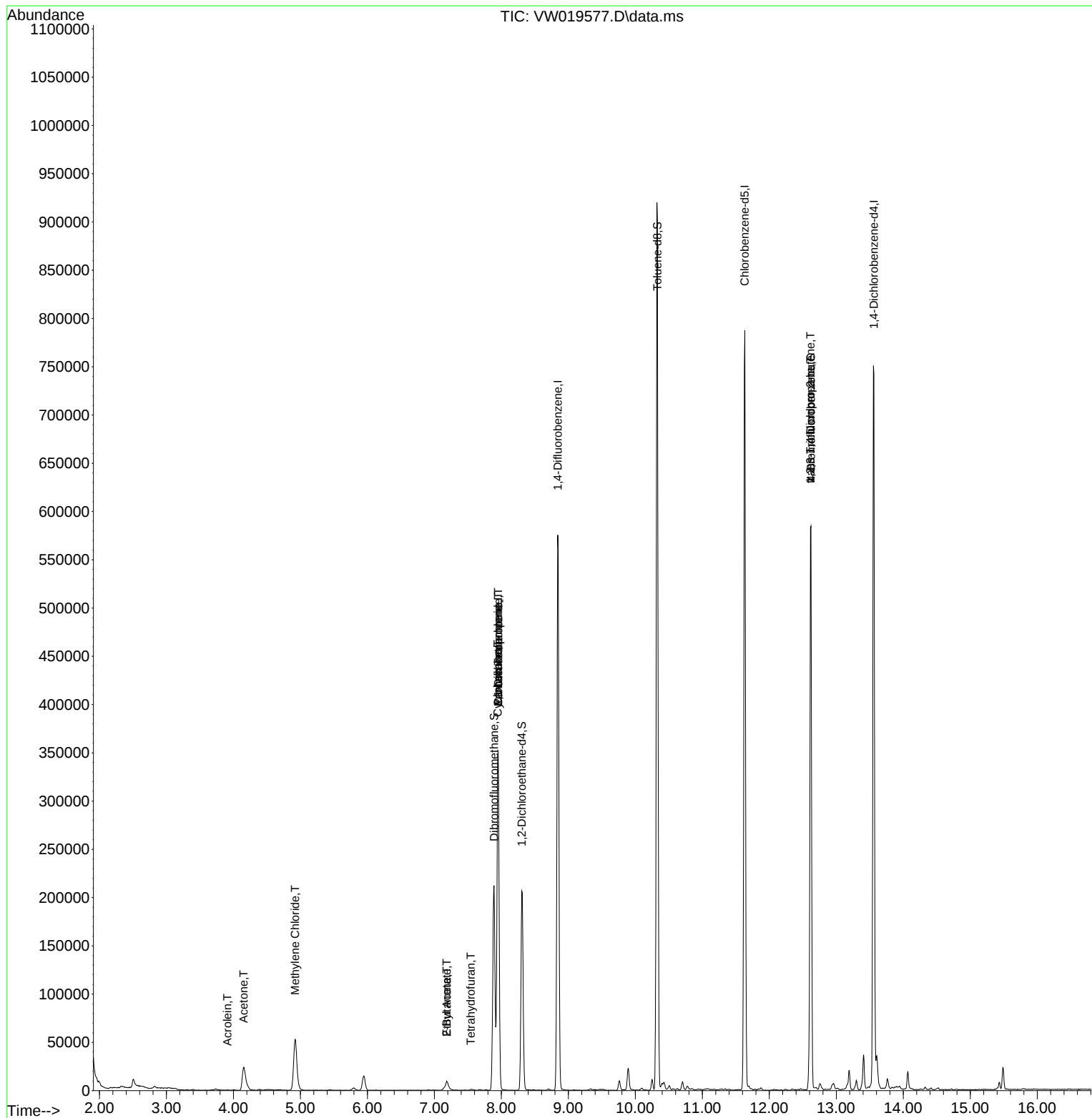
Internal Standards						
1) Pentafluorobenzene	7.951	168	264047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	487215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	442705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	201350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	169827	68.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.240%	
35) Dibromofluoromethane	7.890	113	153714	51.639	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.280%	
50) Toluene-d8	10.329	98	608885	52.831	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.660%	
62) 4-Bromofluorobenzene	12.621	95	213089	49.291	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.196	59	41	Below Cal	#	73
13) Acrolein	3.909	56	423	2.410	ug/l	93
16) Acetone	4.153	43	56699	118.068	ug/l	100
20) Methylene Chloride	4.921	84	46394	11.148	ug/l	98
25) 2-Butanone	7.183	43	16962	20.533	ug/l	98
29) Tetrahydrofuran	7.543	42	772	1.407	ug/l #	89
31) Cyclohexane	7.945	56	5942	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.951	75	21298	4.100	ug/l #	51
37) Ethyl Acetate	7.183	43	16962	7.792	ug/l #	67
38) Carbon Tetrachloride	7.951	117	26276	5.791	ug/l #	16
76) 1,2,3-Trichloropropane	12.615	75	105485	53.008	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	105485	120.804	ug/l #	12

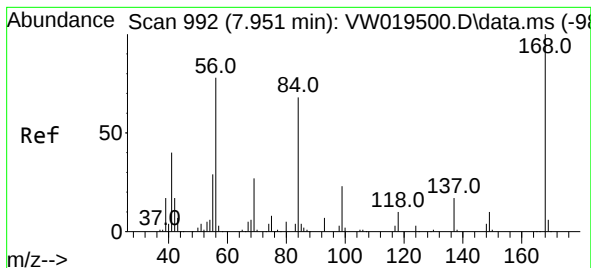
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.21g/5.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

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MSVOA_W
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Quant Time: Jul 24 05:20:06 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

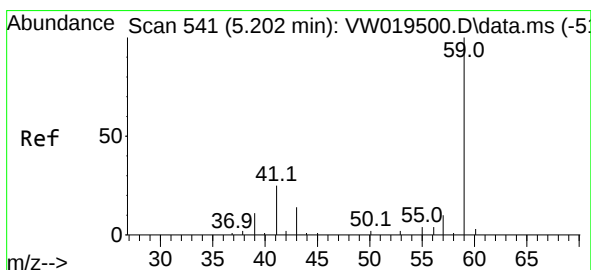
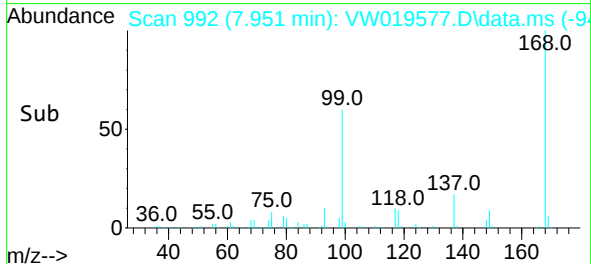
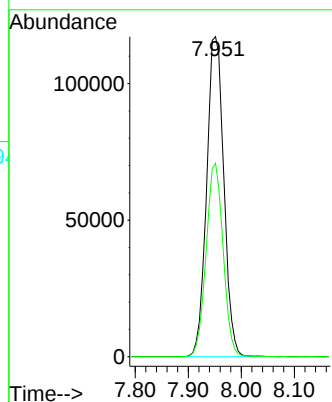
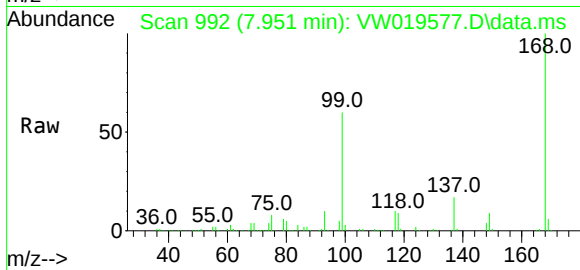




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

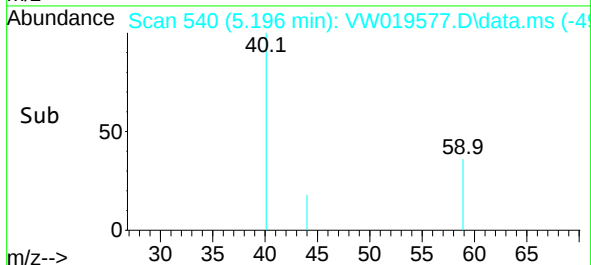
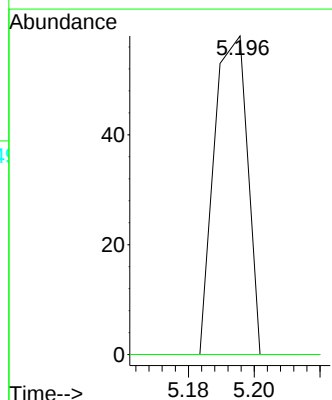
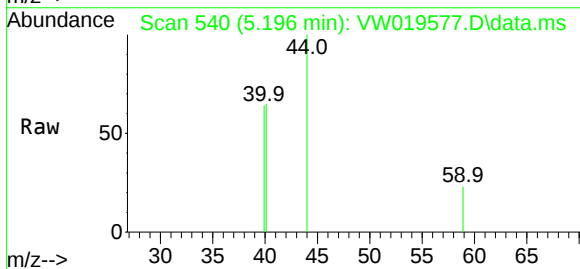
Instrument :
MSVOA_W
ClientSampleId :

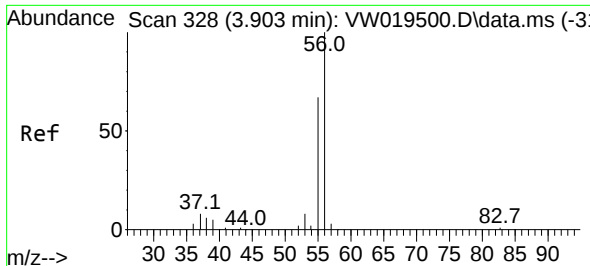
Tgt Ion:168 Resp: 264047
Ion Ratio Lower Upper
168 100
99 60.5 51.9 77.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.196 min Scan# 540
Delta R.T. -0.006 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

Tgt Ion: 59 Resp: 41
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

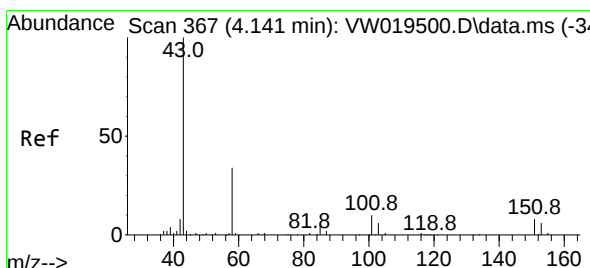
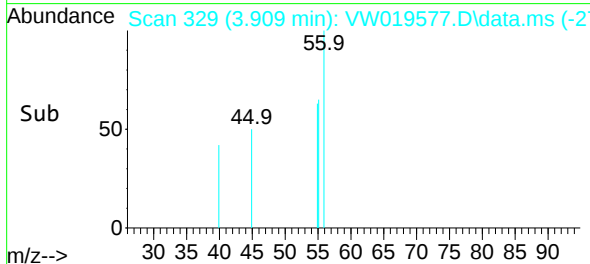
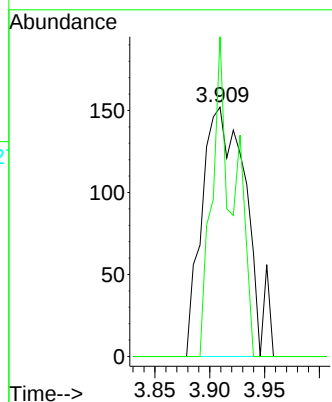
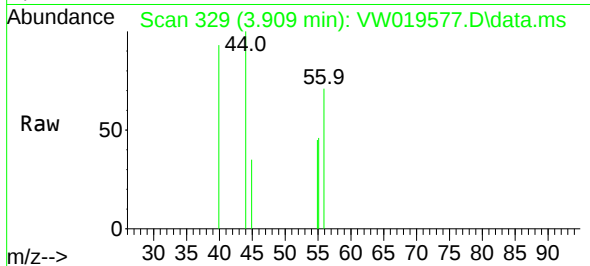




#13
Acrolein
Concen: 2.410 ug/l
RT: 3.909 min Scan# 329
Delta R.T. 0.006 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

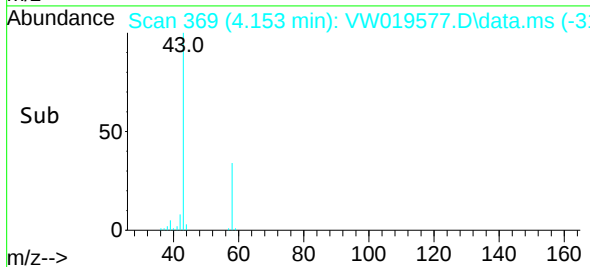
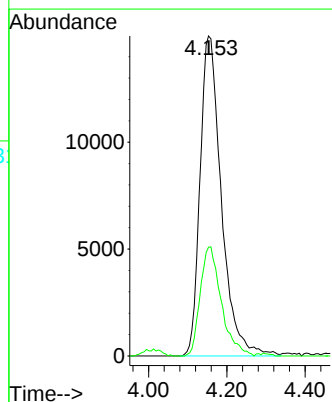
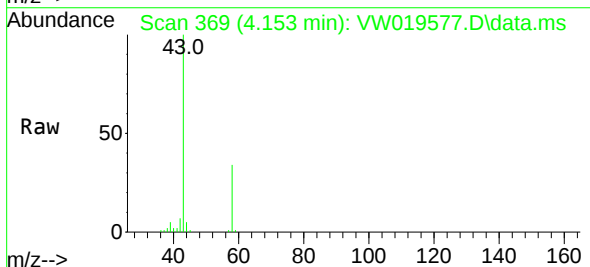
Instrument :
MSVOA_W
ClientSampled :

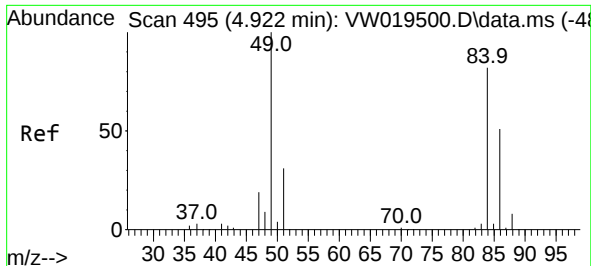
Tgt Ion: 56 Resp: 423
Ion Ratio Lower Upper
56 100
55 64.8 56.3 84.5



#16
Acetone
Concen: 118.068 ug/l
RT: 4.153 min Scan# 369
Delta R.T. 0.012 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

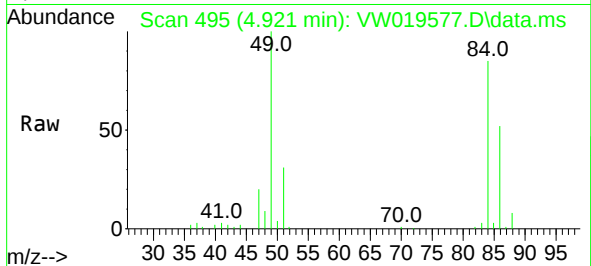
Tgt Ion: 43 Resp: 56699
Ion Ratio Lower Upper
43 100
58 34.0 27.2 40.8





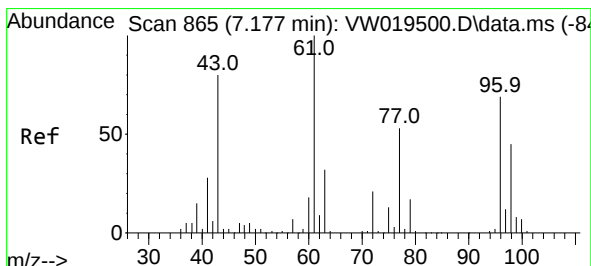
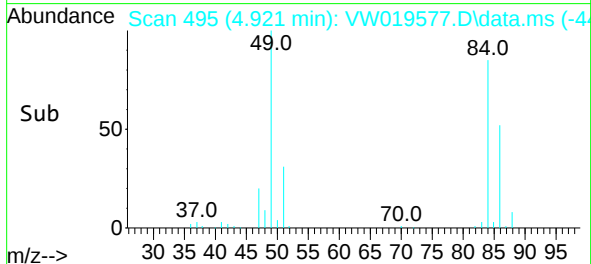
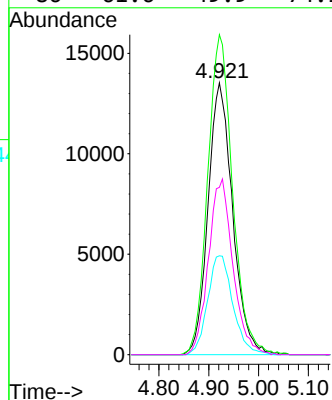
#20
Methylene Chloride
Concen: 11.148 ug/l
RT: 4.921 min Scan# 495
Delta R.T. -0.001 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

Instrument :
MSVOA_W
ClientSampled :



Tgt Ion: 84 Resp: 46394

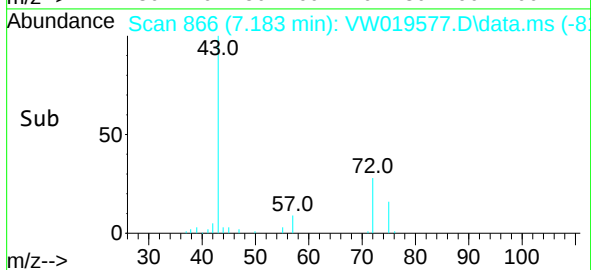
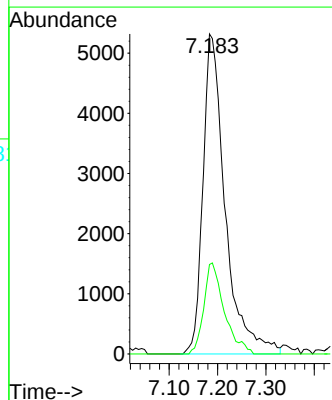
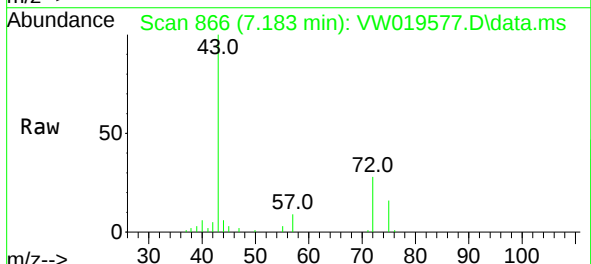
Ion	Ratio	Lower	Upper
84	100		
49	117.7	97.2	145.8
51	36.4	30.1	45.1
86	61.6	49.9	74.9

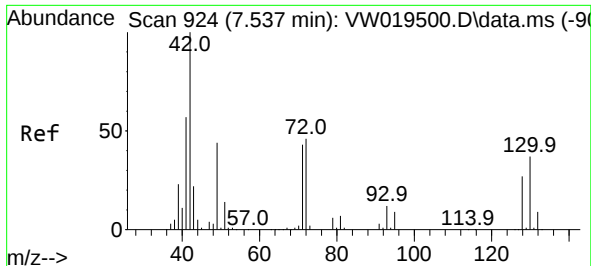


#25
2-Butanone
Concen: 20.533 ug/l
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

Tgt Ion: 43 Resp: 16962

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.0





#29

Tetrahydrofuran

Concen: 1.407 ug/l

RT: 7.543 min Scan# 925

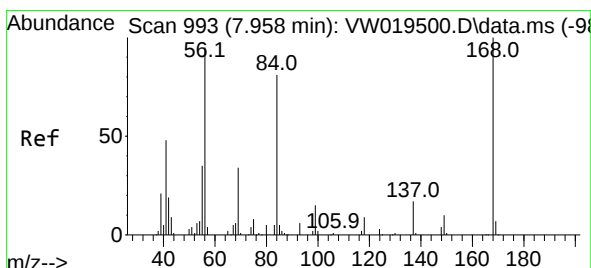
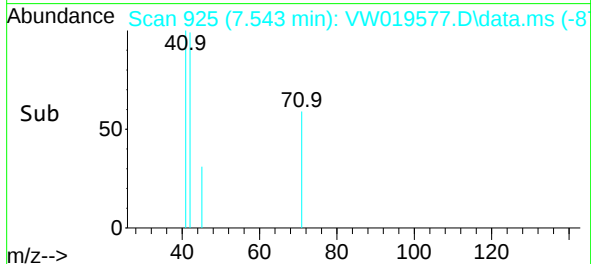
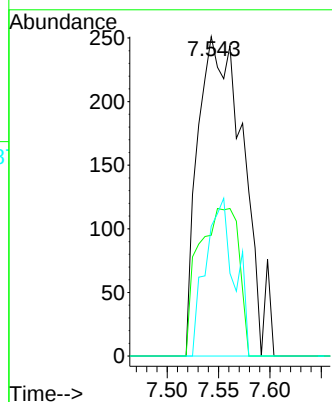
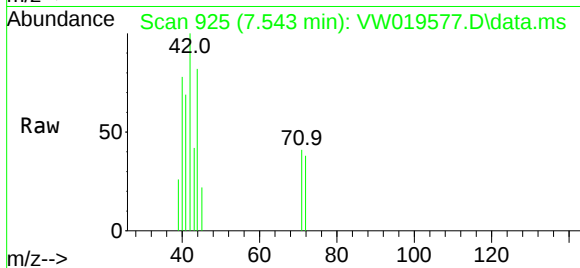
Delta R.T. 0.006 min

Lab File: VW019577.D

Acq: 23 Jul 2021 16:51

Tgt Ion:	42	Resp:	772
Ion	Ratio	Lower	Upper
42	100		
72	40.8	35.8	53.8
71	31.3	33.4	50.2

Instrument :
MSVOA_W
ClientSampled :



#31

Cyclohexane

Concen: 1.071 ug/l

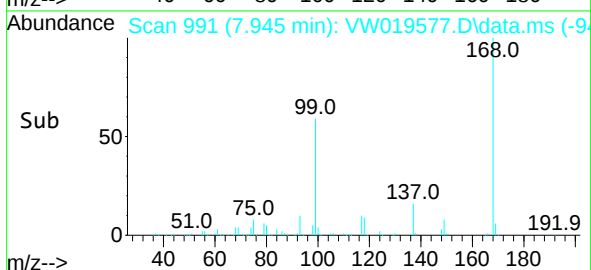
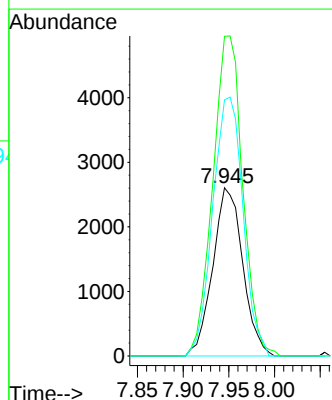
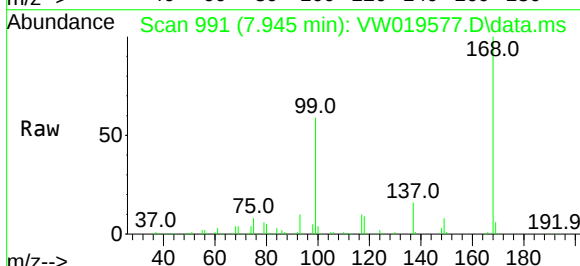
RT: 7.945 min Scan# 991

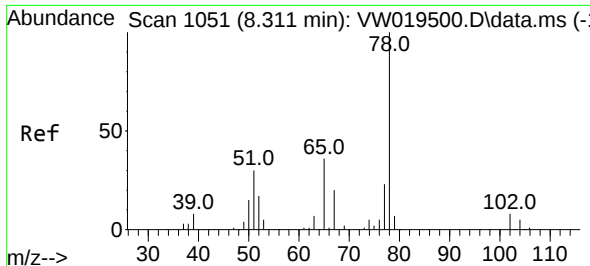
Delta R.T. -0.012 min

Lab File: VW019577.D

Acq: 23 Jul 2021 16:51

Tgt Ion:	56	Resp:	5942
Ion	Ratio	Lower	Upper
56	100		
69	190.0	28.3	42.5
84	152.3	68.1	102.1

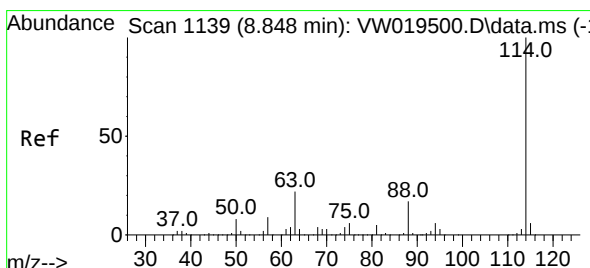
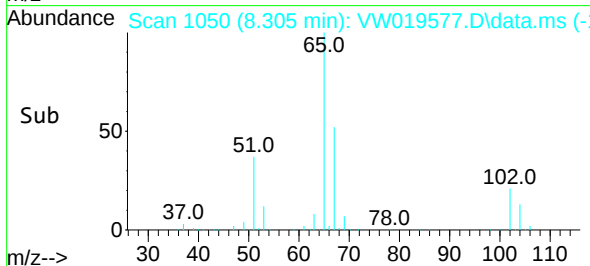
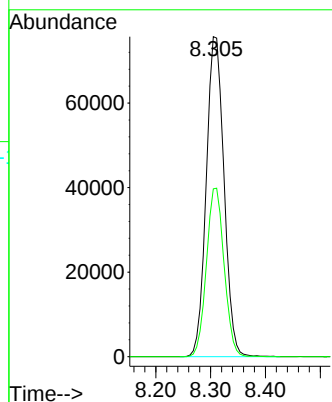
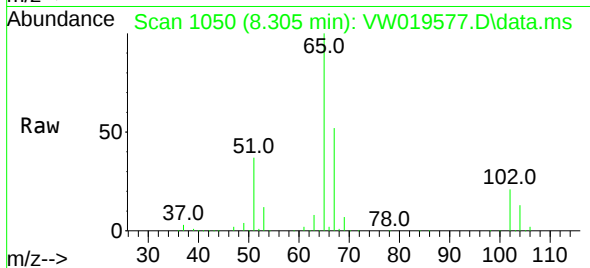




#33
 1,2-Dichloroethane-d4
 Concen: 68.119 ug/l
 RT: 8.305 min Scan# 1050
 Delta R.T. -0.006 min
 Lab File: VW019577.D
 Acq: 23 Jul 2021 16:51

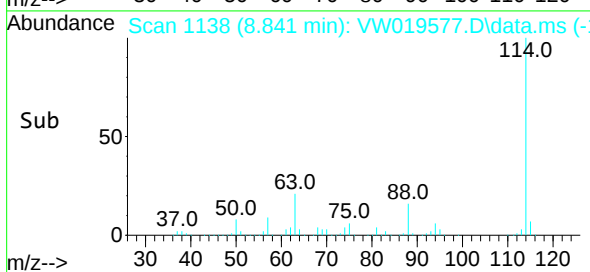
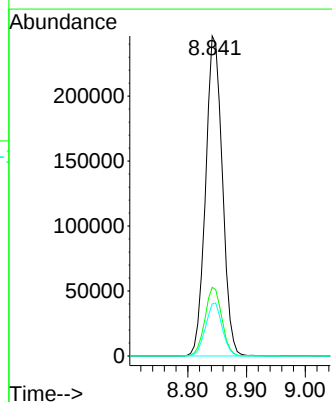
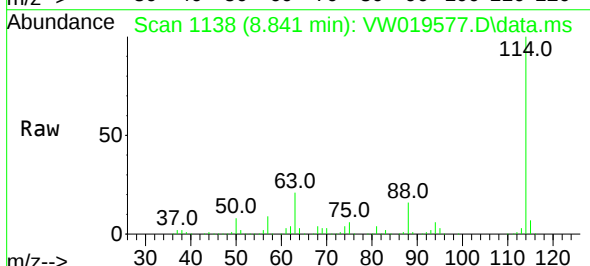
Instrument :
 MSVOA_W
 ClientSampled :

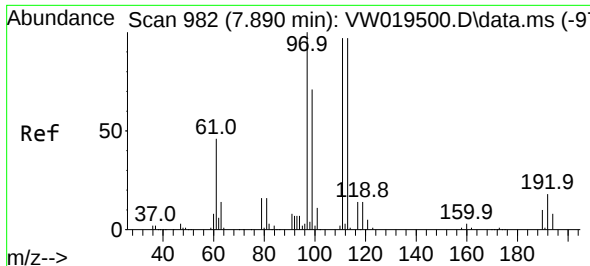
Tgt Ion: 65 Resp: 169827
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.841 min Scan# 1138
 Delta R.T. -0.006 min
 Lab File: VW019577.D
 Acq: 23 Jul 2021 16:51

Tgt Ion: 114 Resp: 487215
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.8
 88 16.3 0.0 33.4

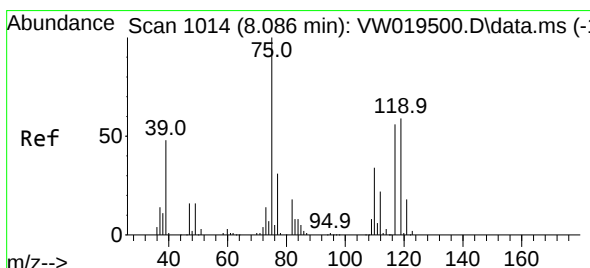
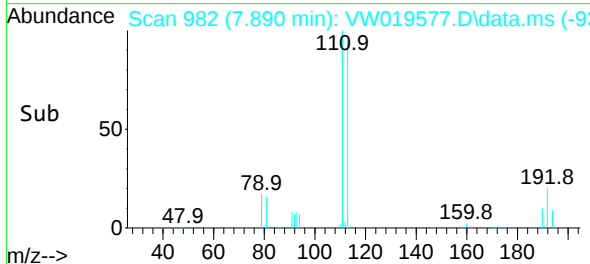
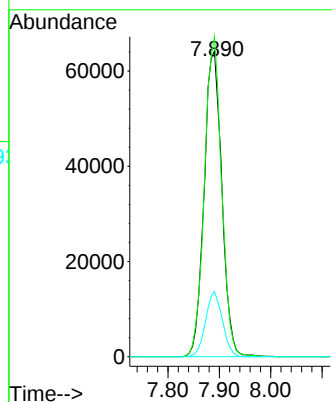
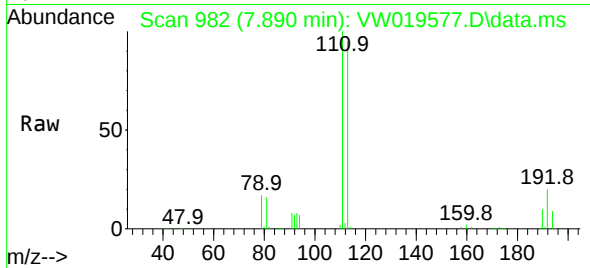




#35
Dibromofluoromethane
Concen: 51.639 ug/l
RT: 7.890 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

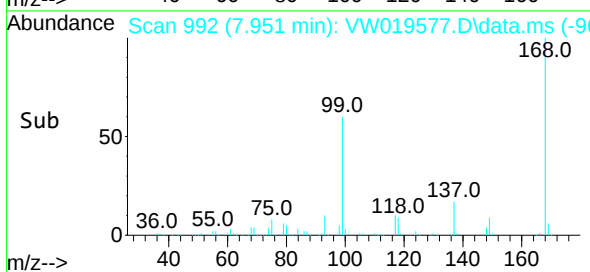
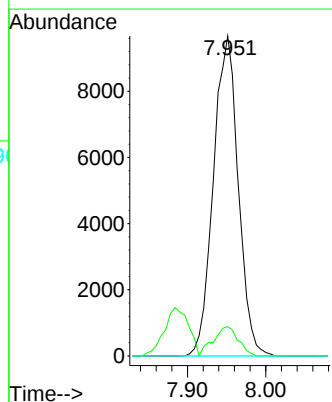
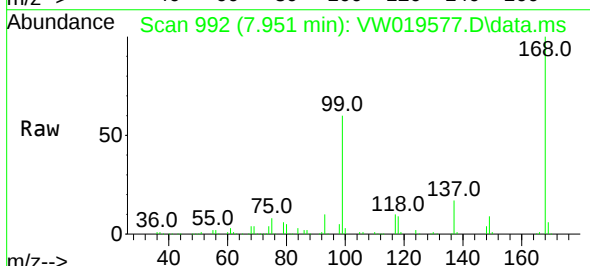
Instrument :
MSVOA_W
ClientSampleId :

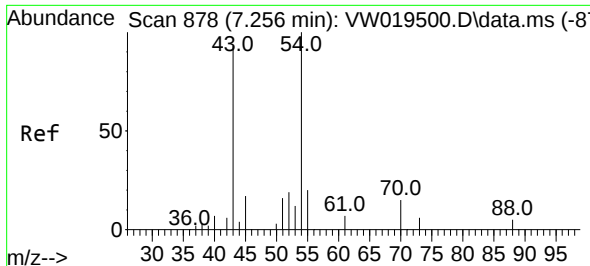
Tgt Ion:113 Resp: 153714
Ion Ratio Lower Upper
113 100
111 101.5 83.8 125.6
192 20.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.100 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.134 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

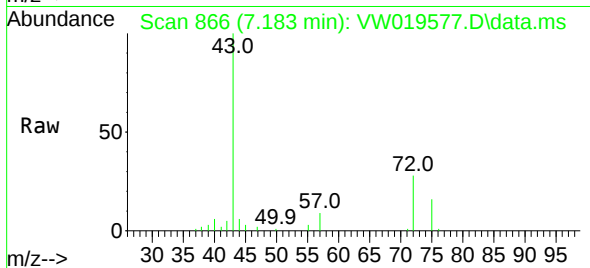
Tgt Ion: 75 Resp: 21298
Ion Ratio Lower Upper
75 100
110 9.2 16.6 49.7#
77 0.0 25.1 37.7#



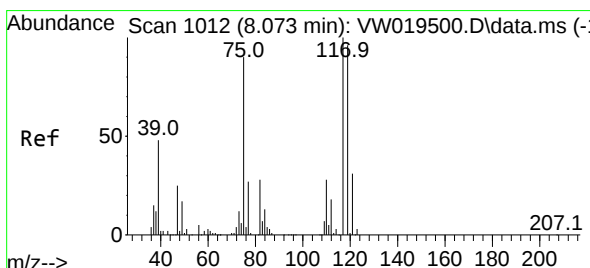
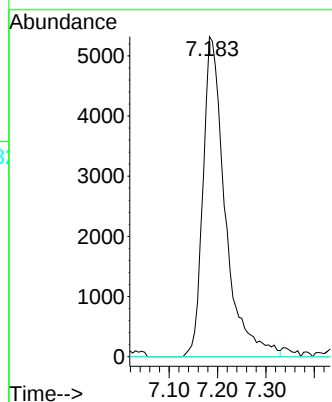
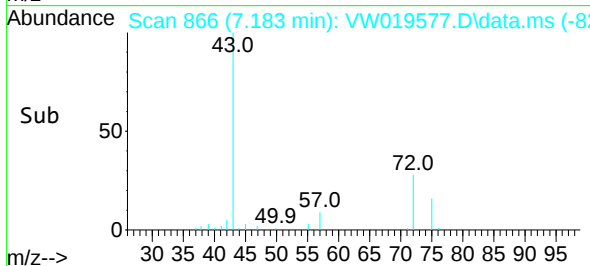


#37
Ethyl Acetate
Concen: 7.792 ug/l
RT: 7.183 min Scan# 866
Delta R.T. -0.073 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

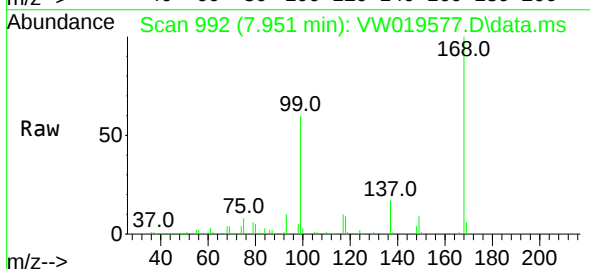
Instrument :
MSVOA_W
ClientSampleId :



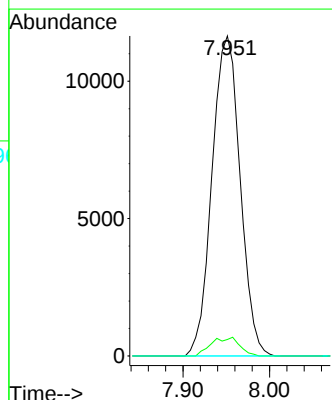
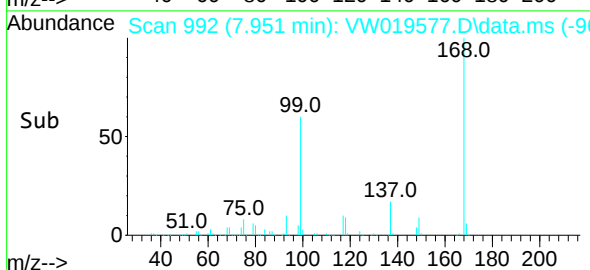
Tgt Ion: 43 Resp: 16962
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 9.4 14.0#

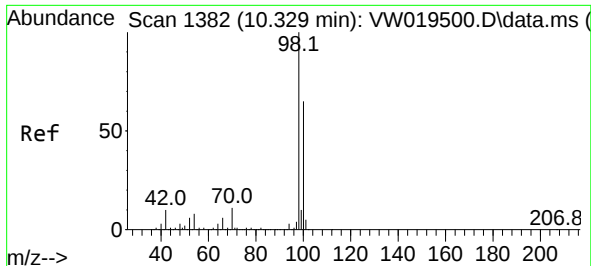


#38
Carbon Tetrachloride
Concen: 5.791 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.122 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51



Tgt Ion: 117 Resp: 26276
Ion Ratio Lower Upper
117 100
119 5.2 76.7 115.1#
121 0.0 24.8 37.2#

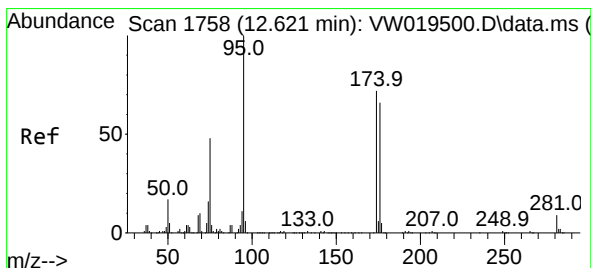
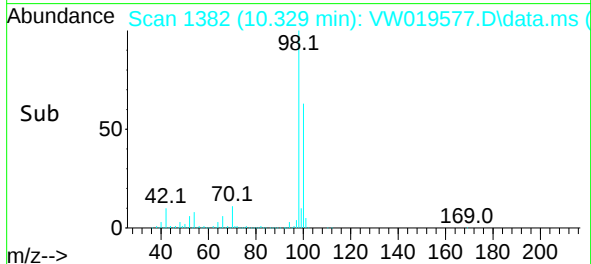
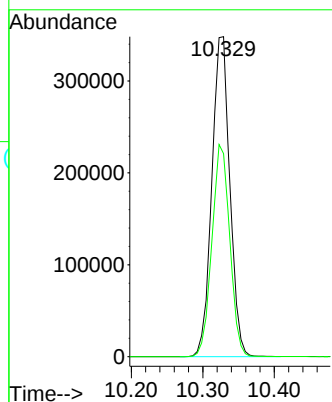
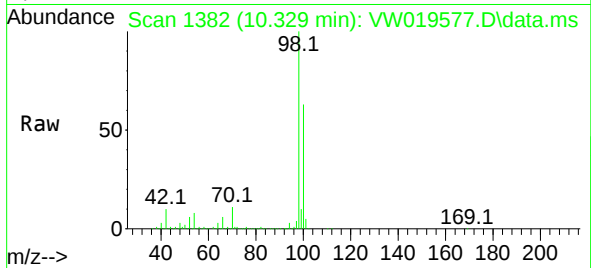




#50
Toluene-d8
Concen: 52.831 ug/l
RT: 10.329 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

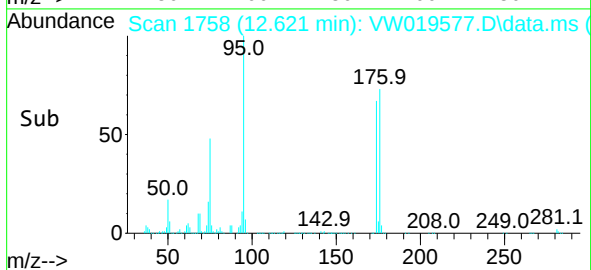
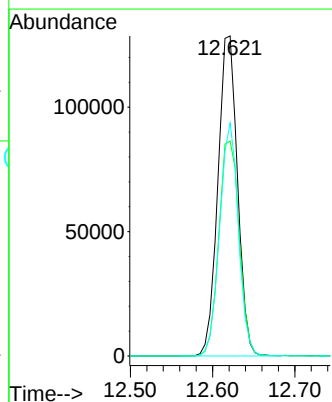
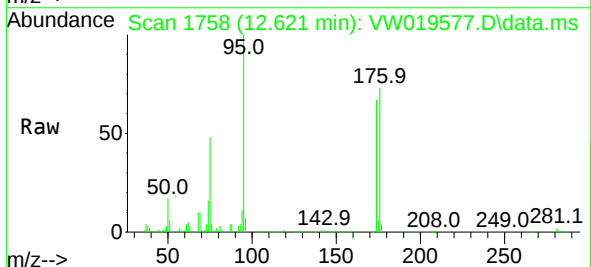
Instrument :
MSVOA_W
ClientSampleId :

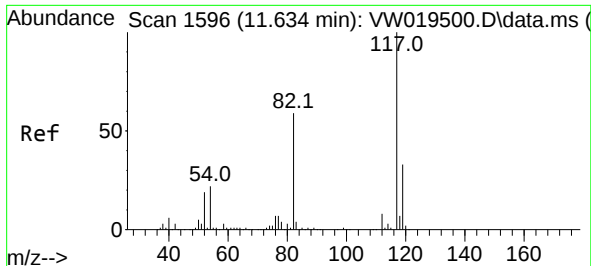
Tgt Ion: 98 Resp: 608885
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 49.291 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

Tgt Ion: 95 Resp: 213089
Ion Ratio Lower Upper
95 100
174 70.3 0.0 146.6
176 69.6 0.0 136.8

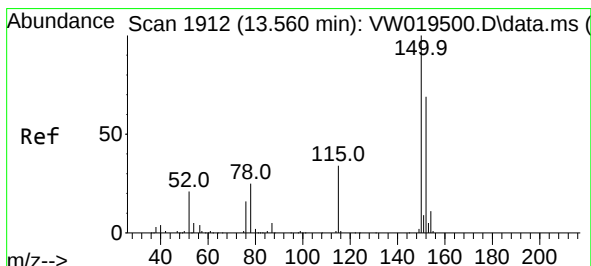
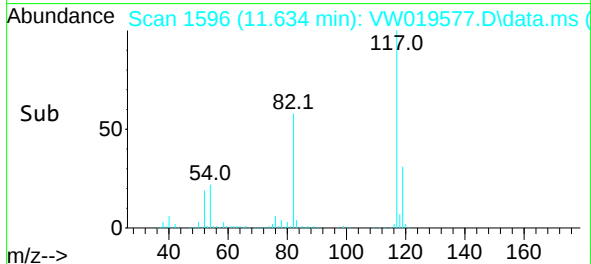
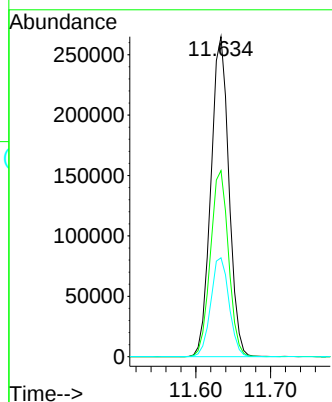
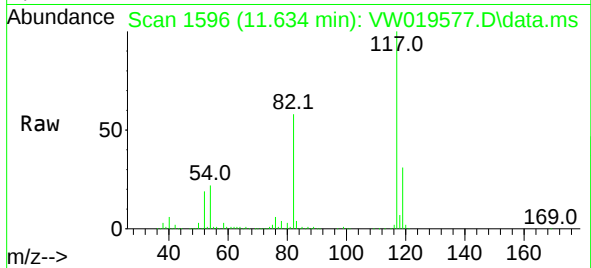




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

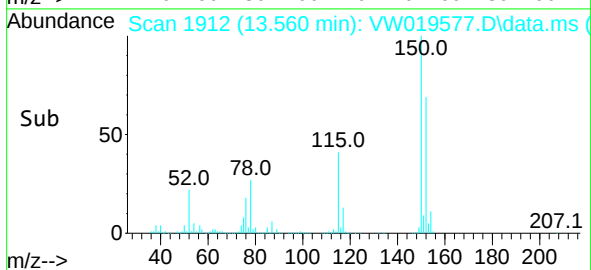
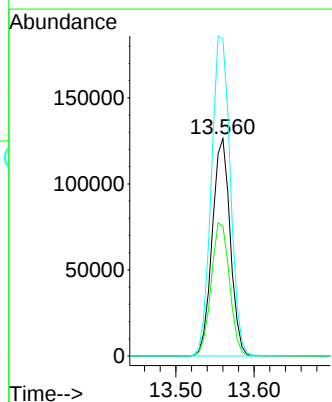
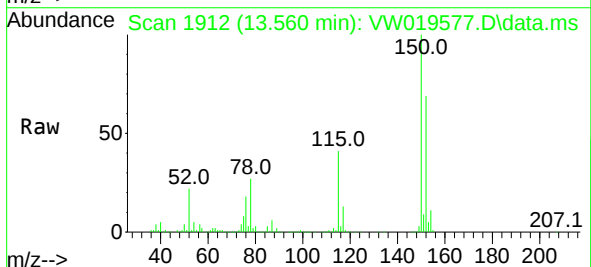
Instrument :
MSVOA_W
ClientSampleId :

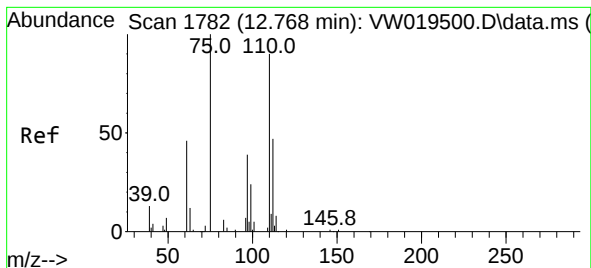
Tgt Ion:117 Resp: 442705
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.0
119 30.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

Tgt Ion:152 Resp: 201350
Ion Ratio Lower Upper
152 100
115 62.5 30.6 91.8
150 154.9 0.0 342.4

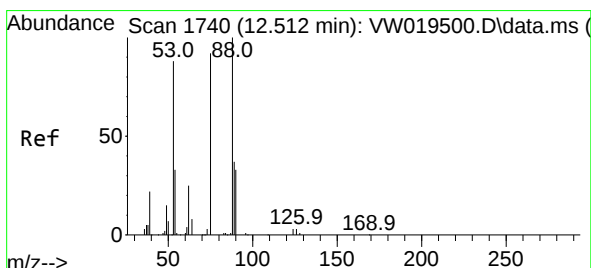
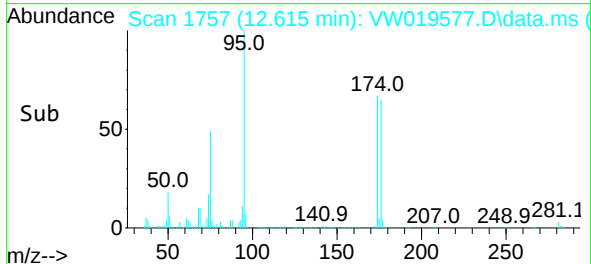
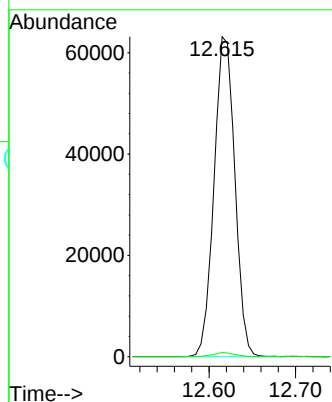
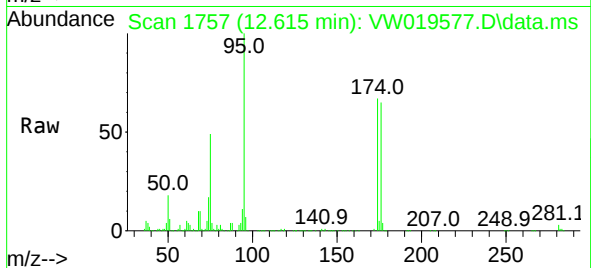




#76
1,2,3-Trichloropropane
Concen: 53.008 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 105485
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.804 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW019577.D
Acq: 23 Jul 2021 16:51

Tgt Ion: 75 Resp: 105485
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 35.7 53.5#

