

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072321\
 Data File : VW019573.D
 Acq On : 23 Jul 2021 15:10
 Operator : SY/VA
 Sample : M3148-04
 Misc : 8.78g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 05:19:12 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)

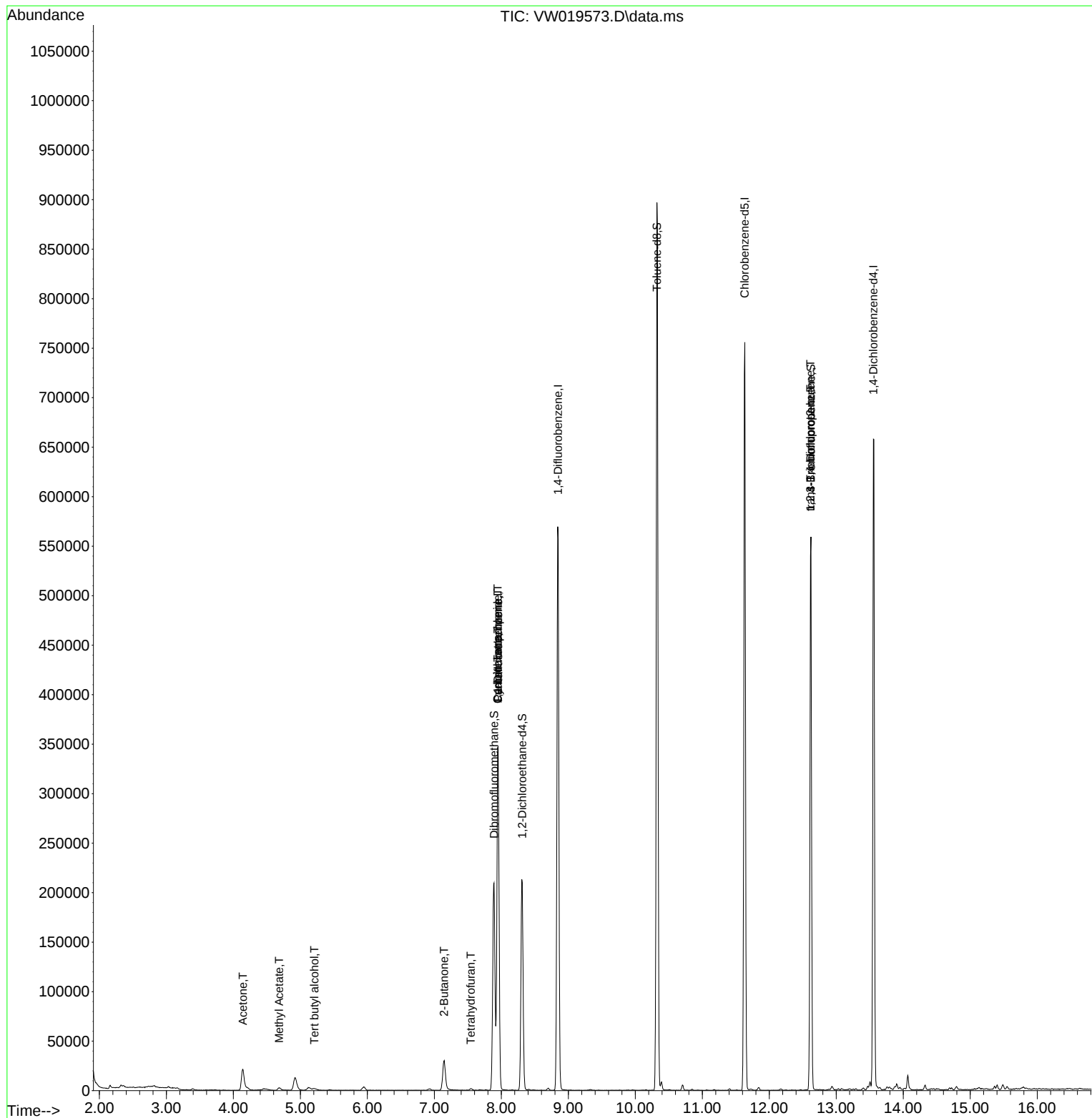
Internal Standards						
1) Pentafluorobenzene	7.952	168	258388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	481260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	420642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	172267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	174519	71.786	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.580%			
35) Dibromofluoromethane	7.891	113	154372	52.502	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.000%			
50) Toluene-d8	10.323	98	602198	52.898	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.800%			
62) 4-Bromofluorobenzene	12.621	95	197626	46.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.560%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.208	59	3669	1.341	ug/l	96
16) Acetone	4.141	43	41670	88.673	ug/l	96
18) Methyl Acetate	4.684	43	5529	3.543	ug/l	99
20) Methylene Chloride	4.916	84	10725	Below Cal		96
25) 2-Butanone	7.147	43	1593	1.971	ug/l #	70
29) Tetrahydrofuran	7.543	42	1137	2.117	ug/l	97
31) Cyclohexane	7.945	56	5558	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.945	75	21251	4.142	ug/l #	50
38) Carbon Tetrachloride	7.945	117	25753	5.746	ug/l #	17
76) 1,2,3-Trichloropropane	12.615	75	98658	57.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	98658	132.061	ug/l #	12

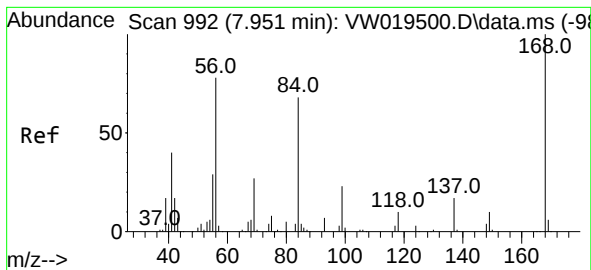
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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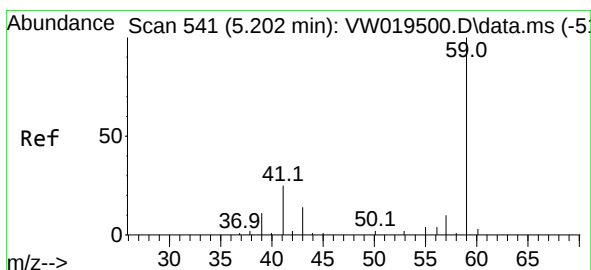
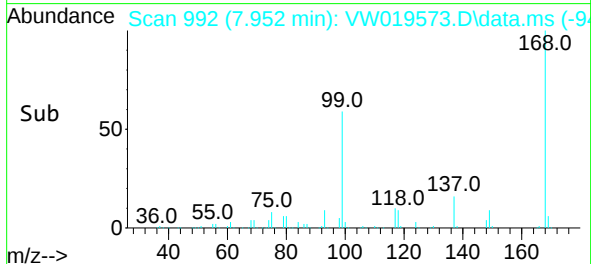
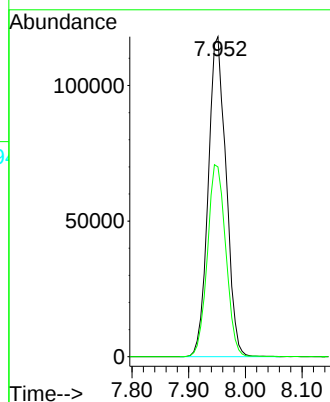
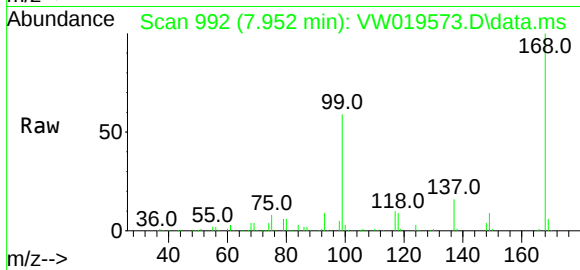




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

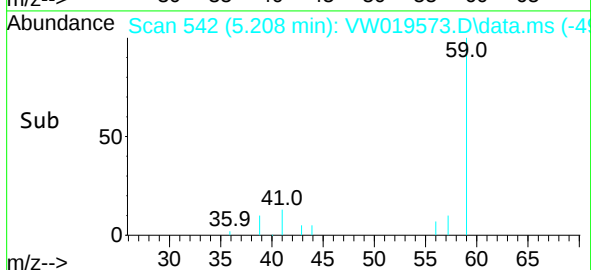
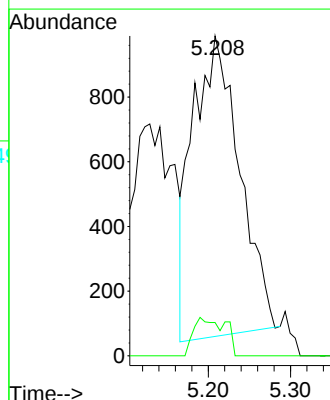
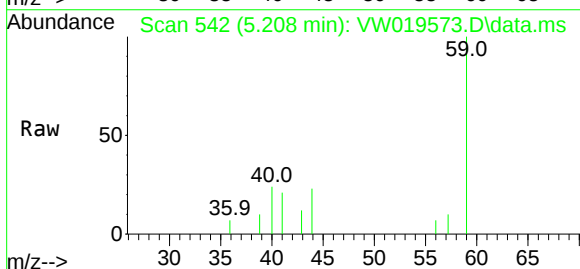
Instrument :
MSVOA_W
ClientSampleId :

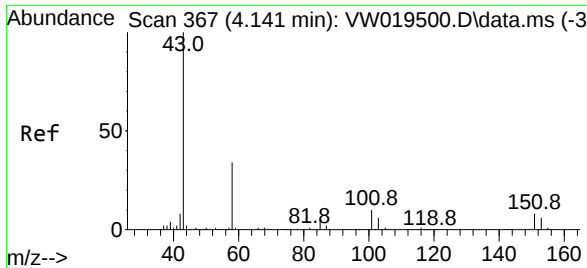
Tgt Ion:168 Resp: 258388
Ion Ratio Lower Upper
168 100
99 59.3 51.9 77.9



#11
Tert butyl alcohol
Concen: 1.341 ug/l
RT: 5.208 min Scan# 542
Delta R.T. 0.006 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

Tgt Ion: 59 Resp: 3669
Ion Ratio Lower Upper
59 100
57 8.6 8.0 12.0

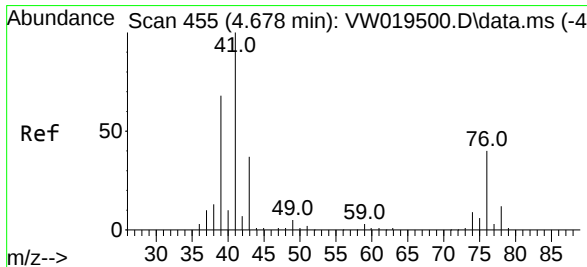
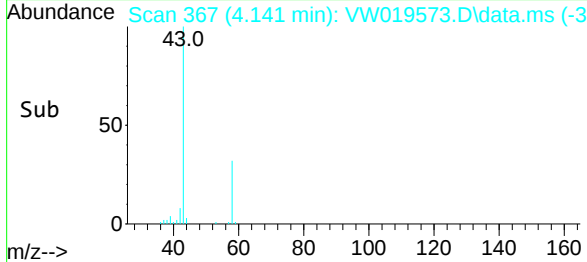
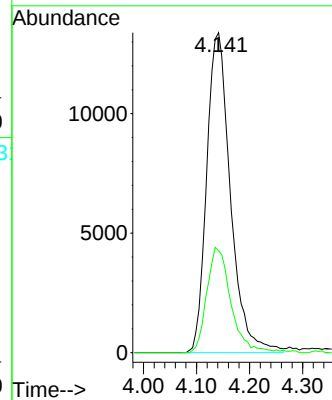
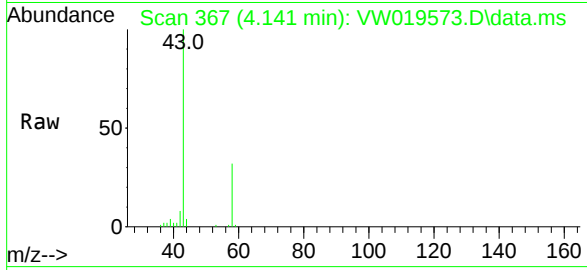




#16
Acetone
Concen: 88.673 ug/l
RT: 4.141 min Scan# 367
Delta R.T. 0.000 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

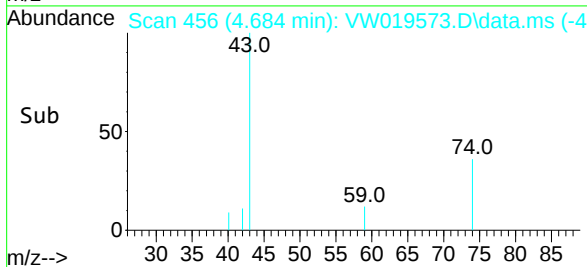
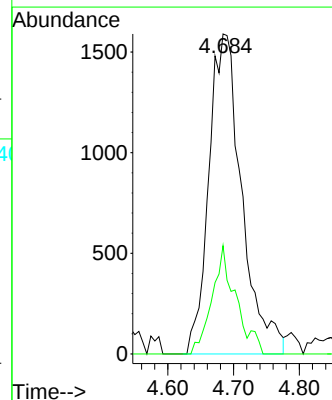
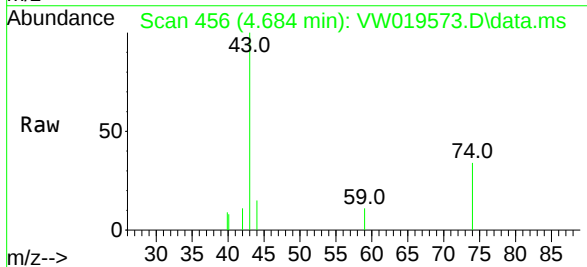
Instrument :
MSVOA_W
ClientSampled :

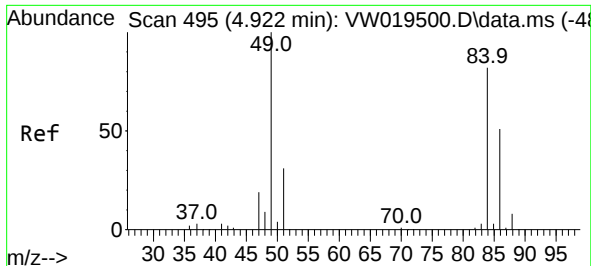
Tgt Ion: 43 Resp: 41670
Ion Ratio Lower Upper
43 100
58 31.9 27.2 40.8



#18
Methyl Acetate
Concen: 3.543 ug/l
RT: 4.684 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

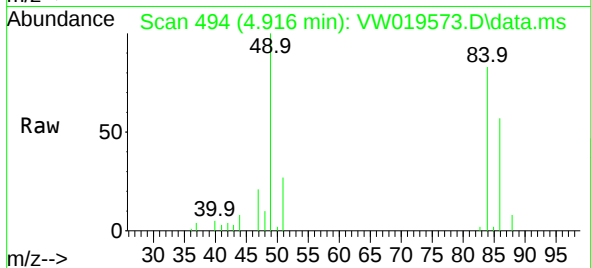
Tgt Ion: 43 Resp: 5529
Ion Ratio Lower Upper
43 100
74 24.5 20.1 30.1



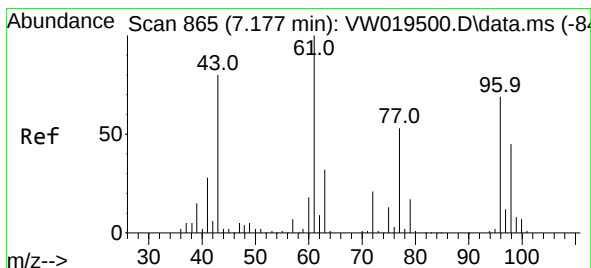
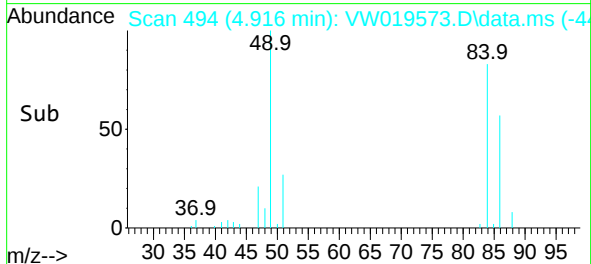
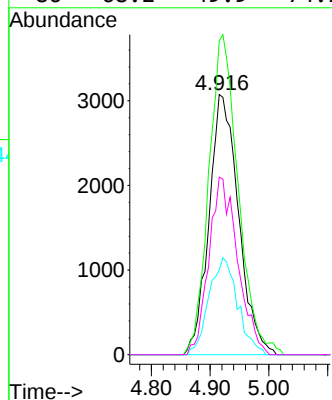


#20
Methylene Chloride
Concen: Below Cal
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

Instrument :
MSVOA_W
ClientSampleId :

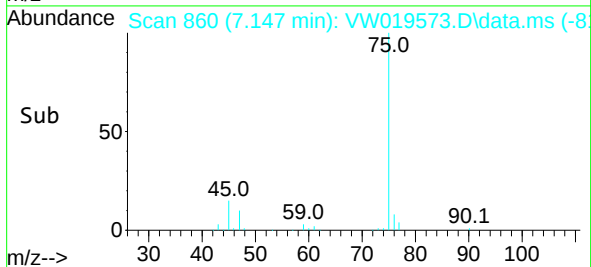
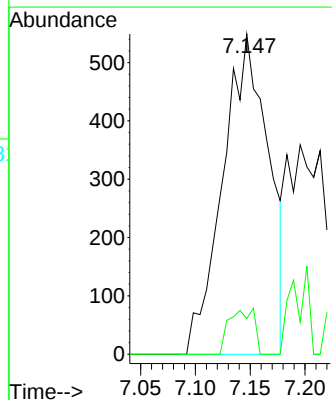
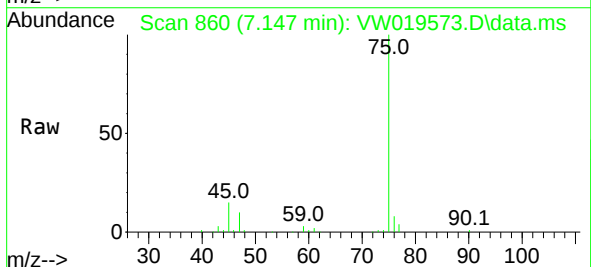


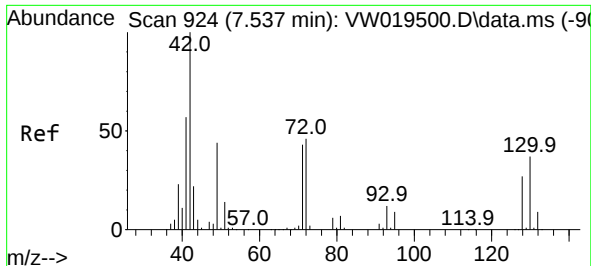
Tgt Ion:	84	Resp:	10725
Ion	Ratio	Lower	Upper
84	100		
49	120.7	97.2	145.8
51	32.5	30.1	45.1
86	68.2	49.9	74.9



#25
2-Butanone
Concen: 1.971 ug/l
RT: 7.147 min Scan# 860
Delta R.T. -0.030 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

Tgt Ion:	43	Resp:	1593
Ion	Ratio	Lower	Upper
43	100		
72	11.1	21.4	32.0#





#29

Tetrahydrofuran

Concen: 2.117 ug/l

RT: 7.543 min Scan# 925

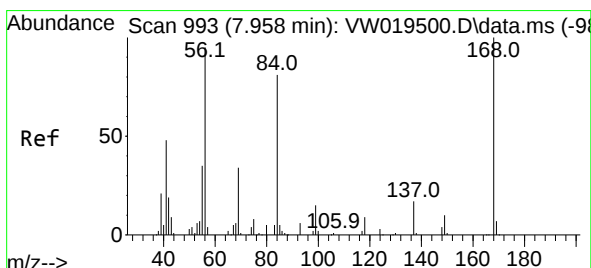
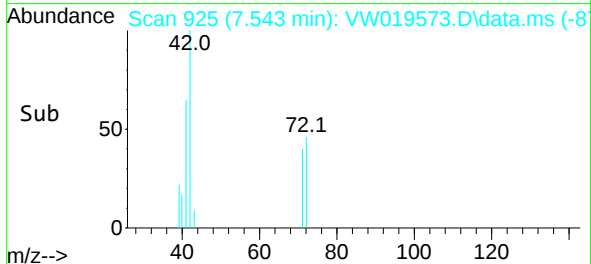
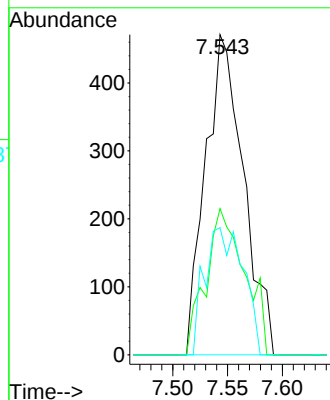
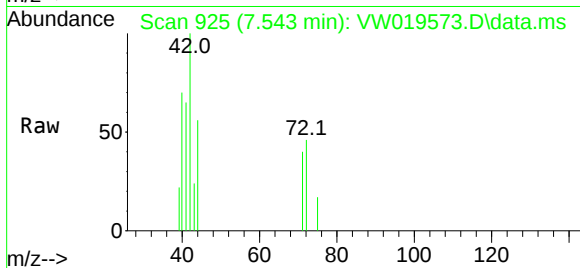
Delta R.T. 0.006 min

Lab File: VW019573.D

Acq: 23 Jul 2021 15:10

Tgt Ion: 42 Resp: 1137

Ion	Ratio	Lower	Upper
42	100		
72	46.5	35.8	53.8
71	40.3	33.4	50.2



#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.945 min Scan# 991

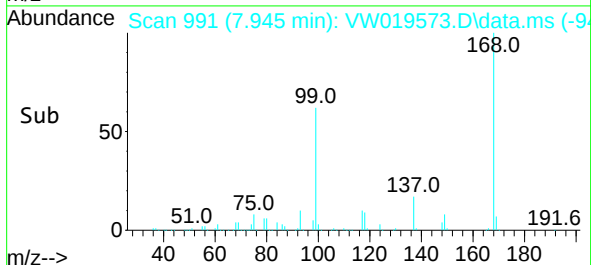
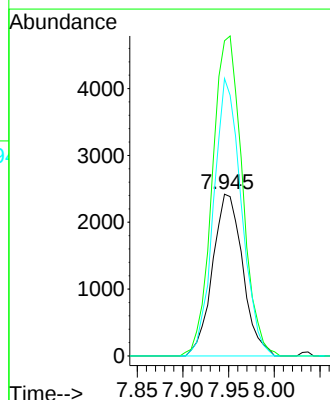
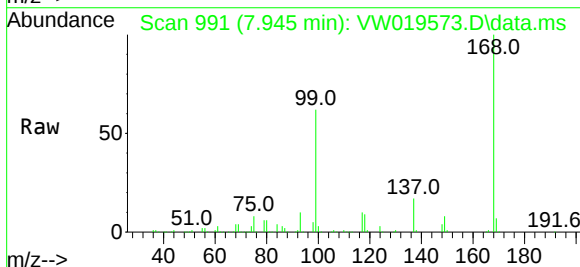
Delta R.T. -0.012 min

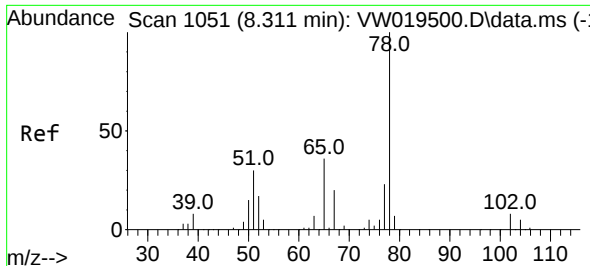
Lab File: VW019573.D

Acq: 23 Jul 2021 15:10

Tgt Ion: 56 Resp: 5558

Ion	Ratio	Lower	Upper
56	100		
69	194.9	28.3	42.5#
84	171.6	68.1	102.1#

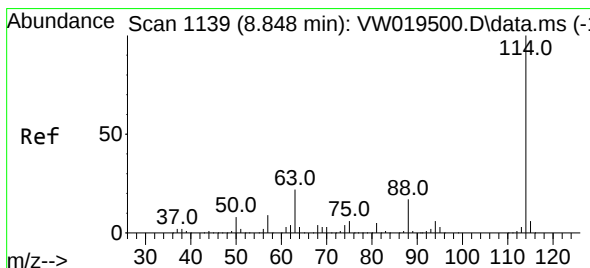
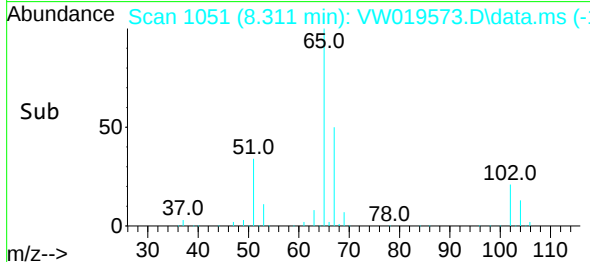
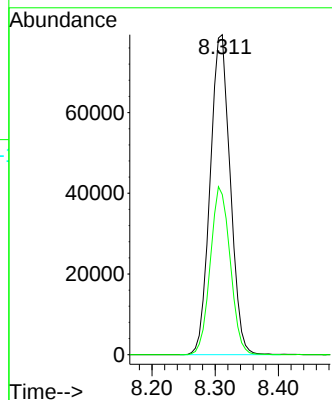
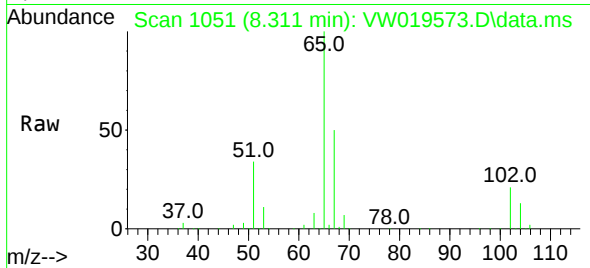




#33
 1,2-Dichloroethane-d4
 Concen: 71.786 ug/l
 RT: 8.311 min Scan# 1051
 Delta R.T. 0.000 min
 Lab File: VW019573.D
 Acq: 23 Jul 2021 15:10

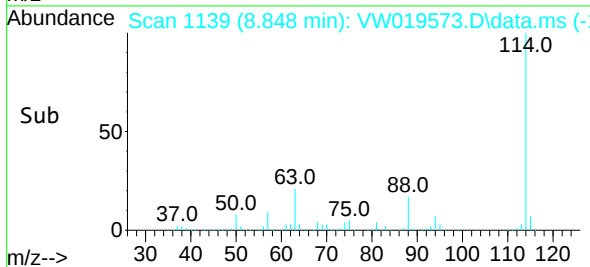
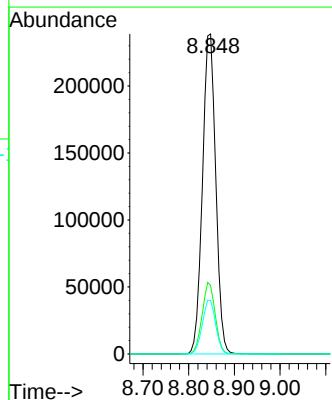
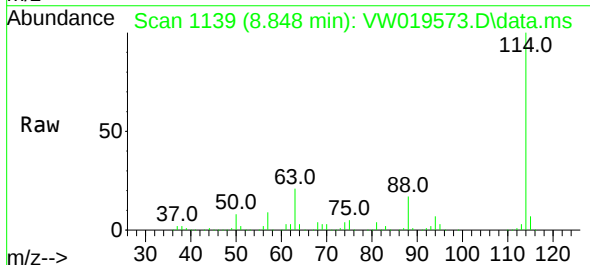
Instrument :
 MSVOA_W
 ClientSampled :

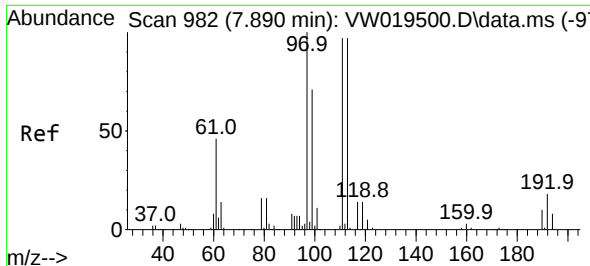
Tgt Ion: 65 Resp: 174519
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.848 min Scan# 1139
 Delta R.T. 0.000 min
 Lab File: VW019573.D
 Acq: 23 Jul 2021 15:10

Tgt Ion: 114 Resp: 481260
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.8
 88 16.8 0.0 33.4

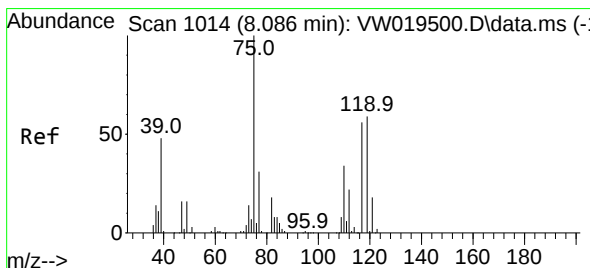
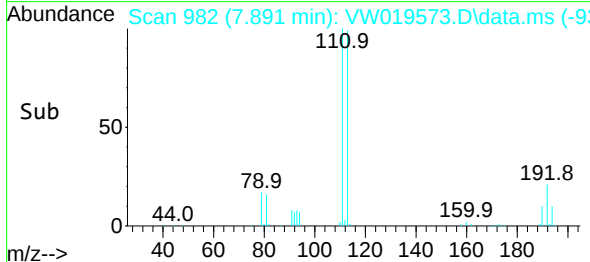
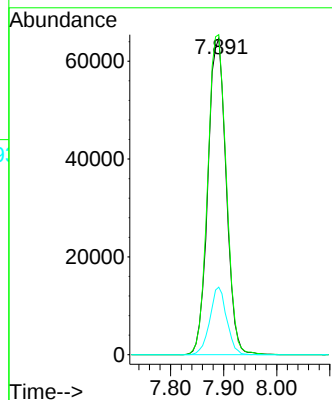
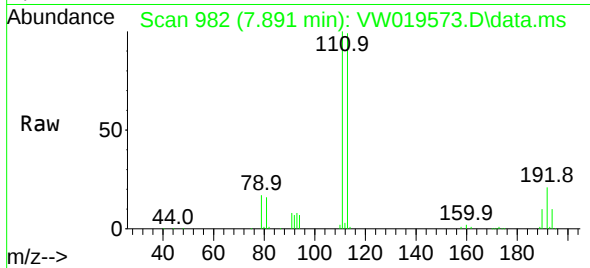




#35
Dibromofluoromethane
Concen: 52.502 ug/l
RT: 7.891 min Scan# 982
Delta R.T. 0.001 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

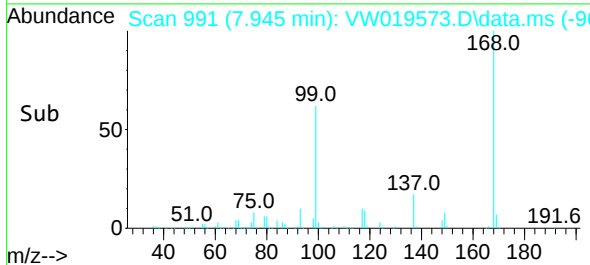
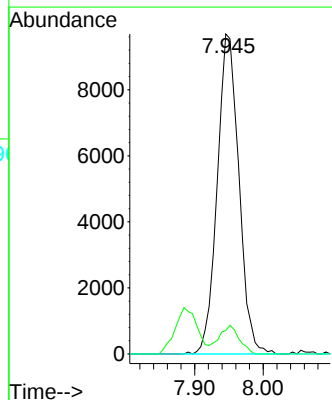
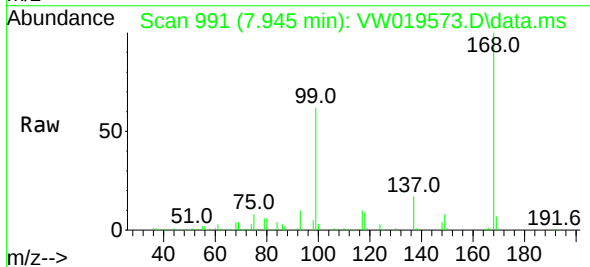
Instrument :
MSVOA_W
ClientSampleId :

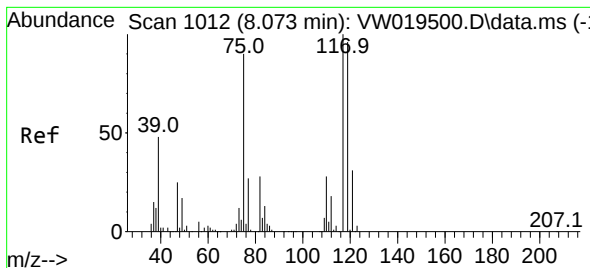
Tgt Ion:113 Resp: 154372
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.6
192 19.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.142 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.140 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

Tgt Ion: 75 Resp: 21251
Ion Ratio Lower Upper
75 100
110 8.2 16.6 49.7#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.746 ug/l

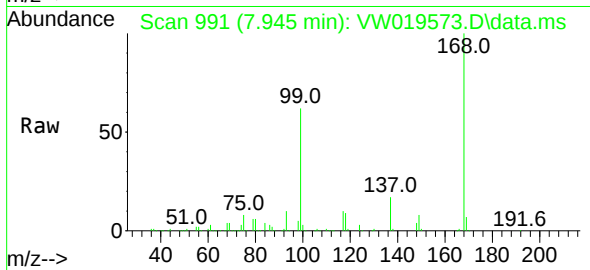
RT: 7.945 min Scan# 991

Delta R.T. -0.128 min

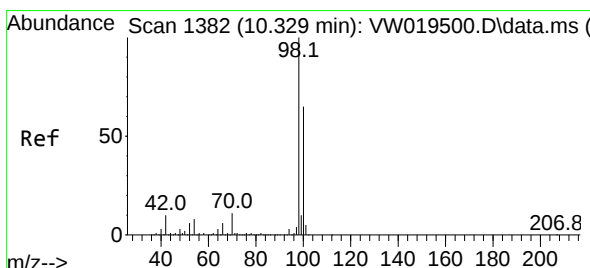
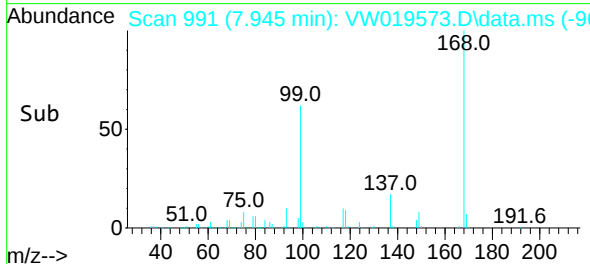
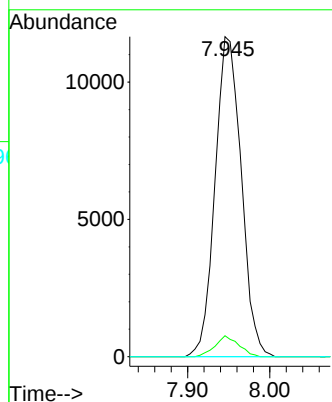
Lab File: VW019573.D

Acq: 23 Jul 2021 15:10

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	117	Resp:	25753
Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.7	115.1#
121	0.0	24.8	37.2#



#50

Toluene-d8

Concen: 52.898 ug/l

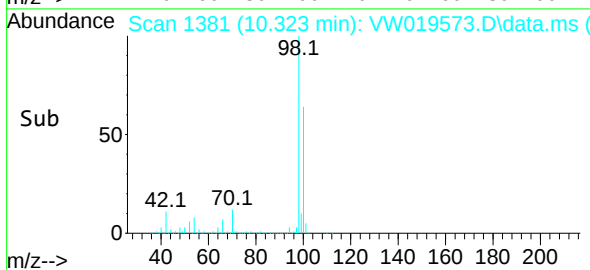
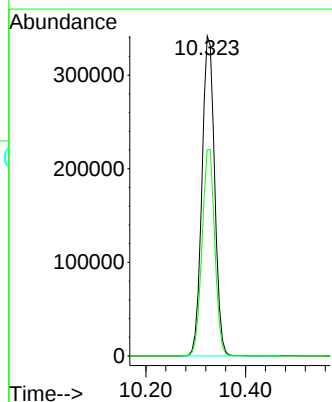
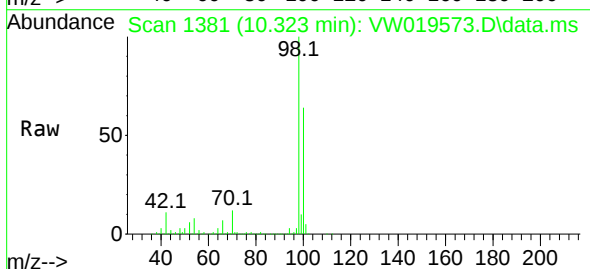
RT: 10.323 min Scan# 1381

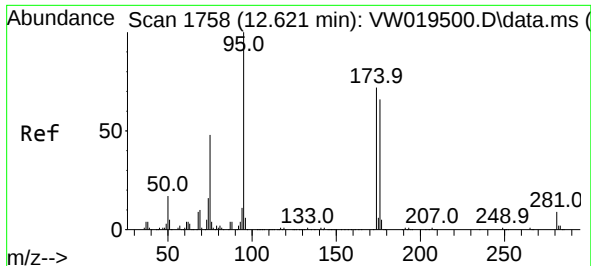
Delta R.T. -0.006 min

Lab File: VW019573.D

Acq: 23 Jul 2021 15:10

Tgt Ion:	98	Resp:	602198
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

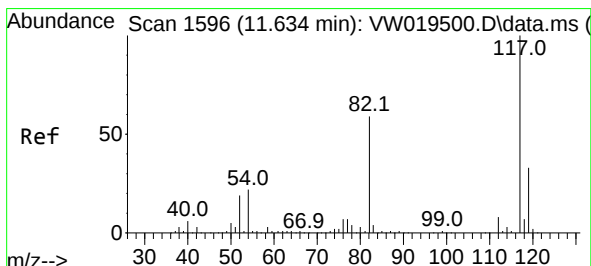
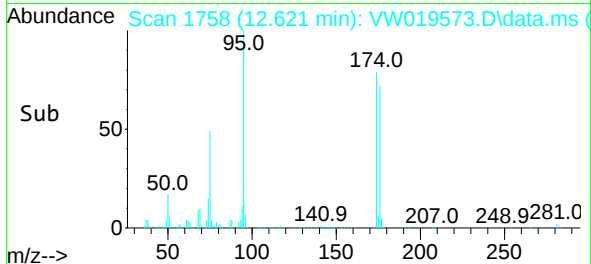
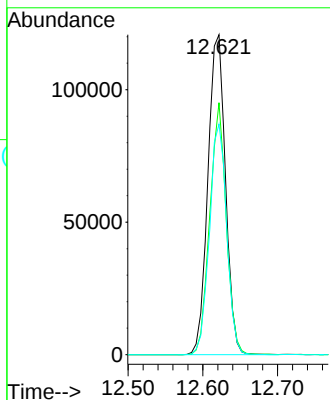
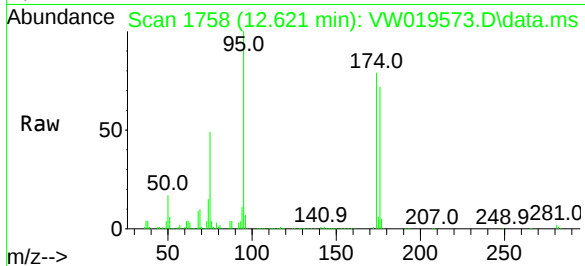




#62
4-Bromofluorobenzene
Concen: 46.280 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

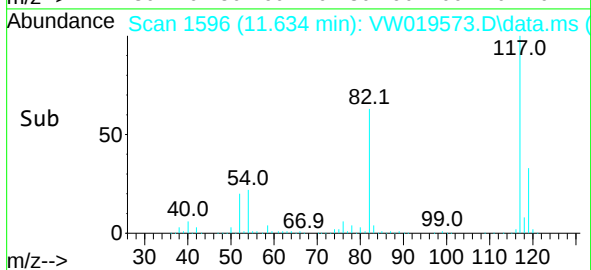
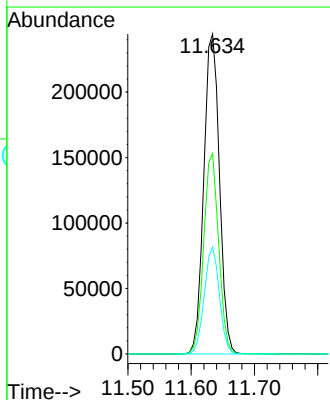
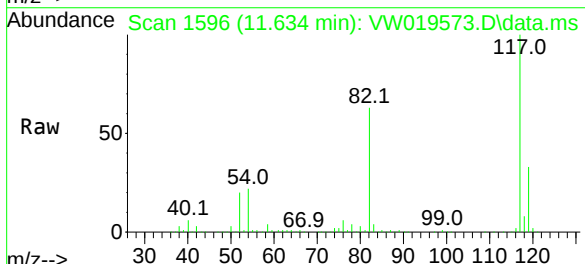
Instrument :
MSVOA_W
ClientSampleId :

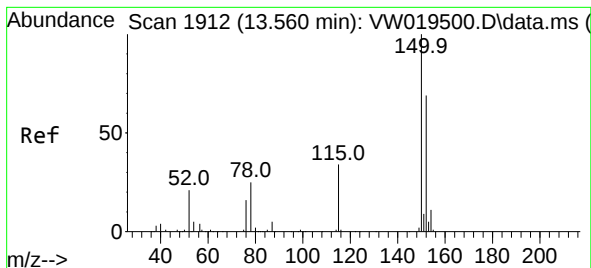
Tgt Ion: 95 Resp: 197626
Ion Ratio Lower Upper
95 100
174 73.8 0.0 146.6
176 70.6 0.0 136.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

Tgt Ion: 117 Resp: 420642
Ion Ratio Lower Upper
117 100
82 62.6 47.4 71.0
119 33.4 26.6 39.8

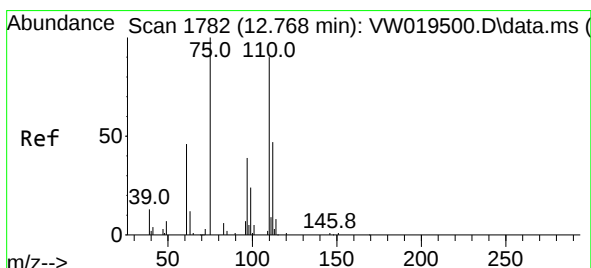
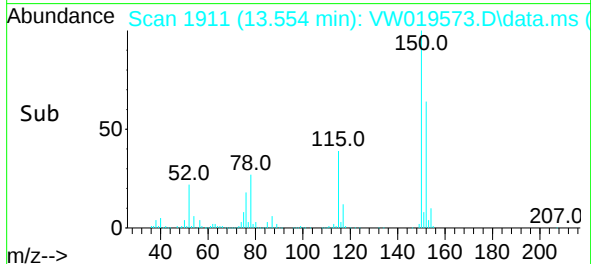
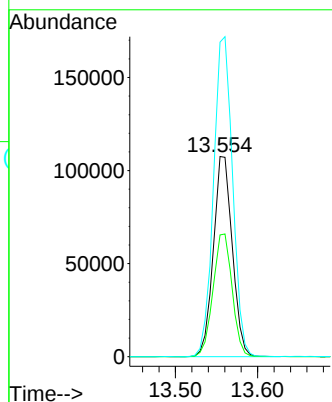
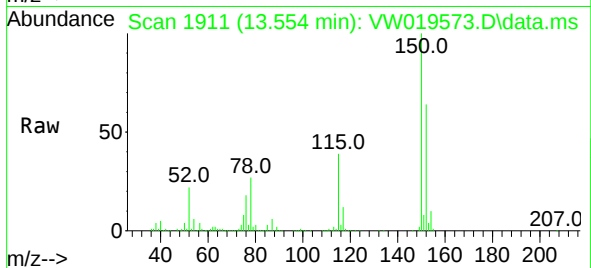




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

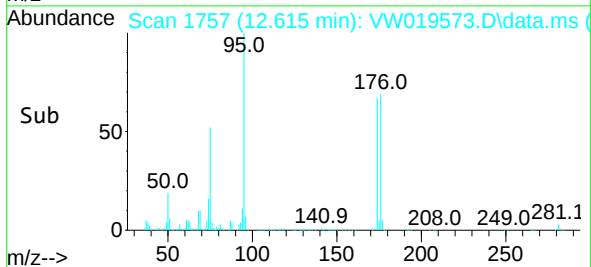
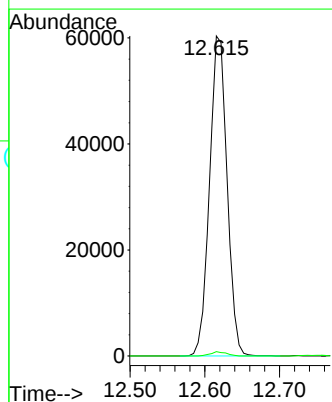
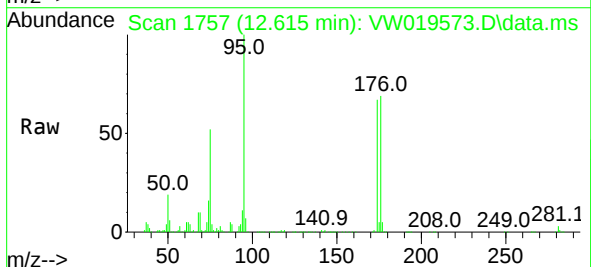
Instrument :
MSVOA_W
ClientSampleId :

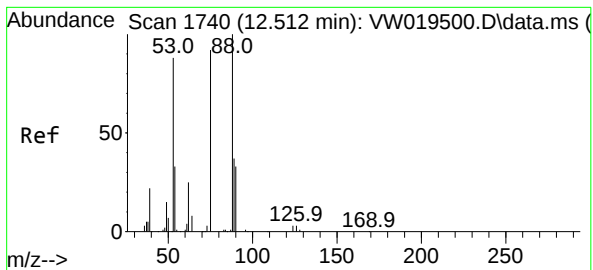
Tgt Ion:152 Resp: 172267
Ion Ratio Lower Upper
152 100
115 61.8 30.6 91.8
150 160.9 0.0 342.4



#76
1,2,3-Trichloropropane
Concen: 57.947 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.152 min
Lab File: VW019573.D
Acq: 23 Jul 2021 15:10

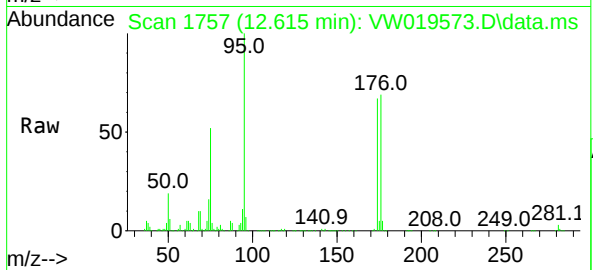
Tgt Ion: 75 Resp: 98658
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.061 ug/l
 RT: 12.615 min Scan# 1757
 Delta R.T. 0.104 min
 Lab File: VW019573.D
 Acq: 23 Jul 2021 15:10

Instrument :
 MSVOA_W
 ClientSampleId :



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

