

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112221\
 Data File : VW020941.D
 Acq On : 22 Nov 2021 17:01
 Operator : SY/VA
 Sample : M4758-39RE
 Misc : 5.01g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 23 02:25:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 05:03:38 2021
 Response via : Initial Calibration

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

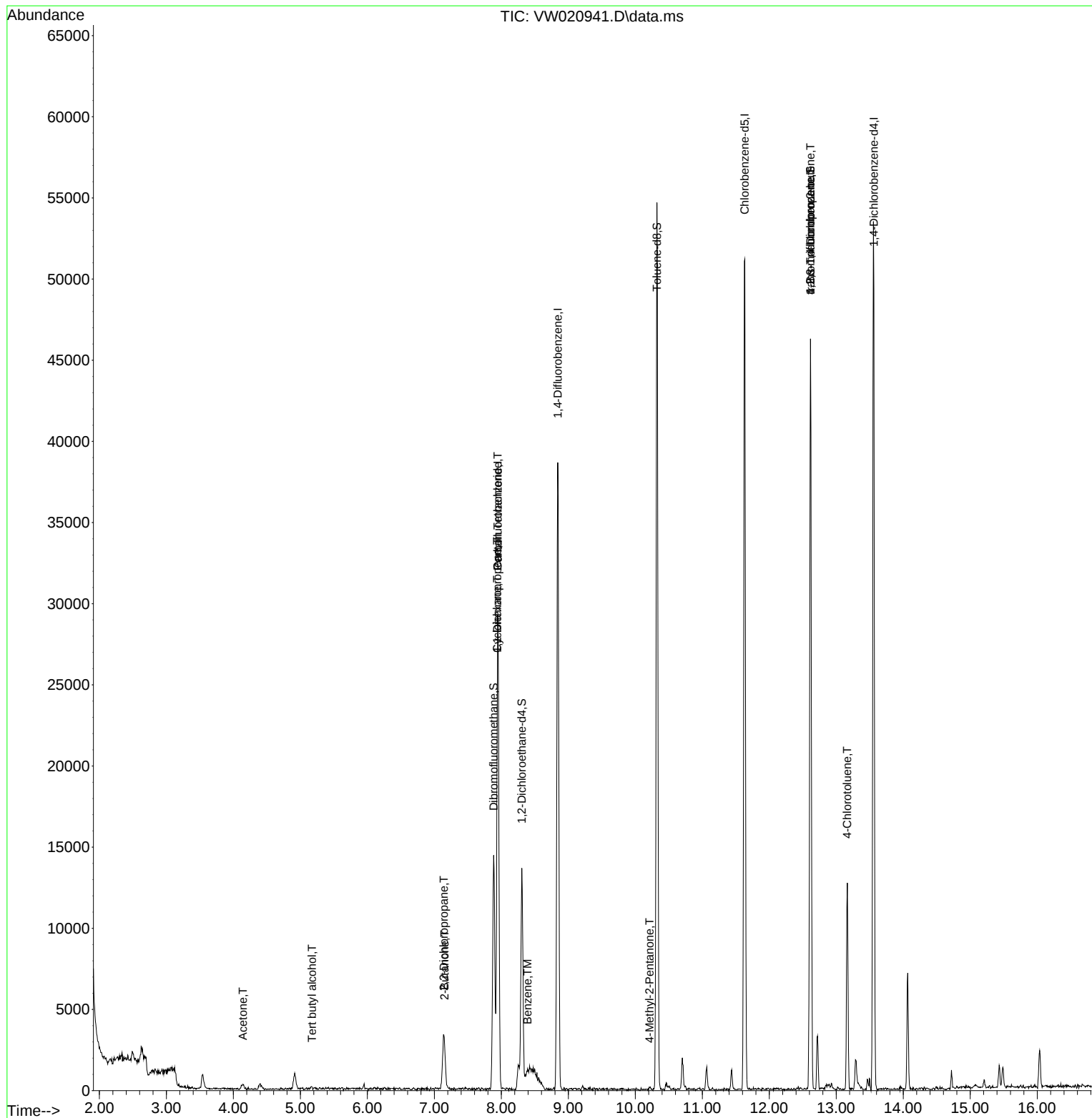
Internal Standards						
1) Pentafluorobenzene	7.946	168	23095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	33598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	29808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	14807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	10511	49.133	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.260%		
35) Dibromofluoromethane	7.885	113	10005	47.474	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.940%		
50) Toluene-d8	10.323	98	36029	46.614	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.220%		
62) 4-Bromofluorobenzene	12.615	95	12571	43.610	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.220%		
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.172	59	145	7.693	ug/l #	84
16) Acetone	4.141	43	589	13.245	ug/l #	86
20) Methylene Chloride	4.916	84	724	Below Cal	#	74
25) 2-Butanone	7.153	43	110	1.742	ug/l #	49
26) 2,2-Dichloropropane	7.141	77	325	1.245	ug/l #	52
31) Cyclohexane	7.939	56	412	1.154	ug/l #	51
36) 1,1-Dichloropropene	7.939	75	1644	5.447	ug/l #	47
38) Carbon Tetrachloride	7.946	117	2260	7.039	ug/l #	15
40) Benzene	8.391	78	2012	2.338	ug/l	96
51) 4-Methyl-2-Pentanone	10.213	43	184	1.338	ug/l #	36
76) 1,2,3-Trichloropropane	12.615	75	6793	51.061	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	6793	120.112	ug/l #	9
82) 4-Chlorotoluene	13.164	91	1884	2.579	ug/l #	41

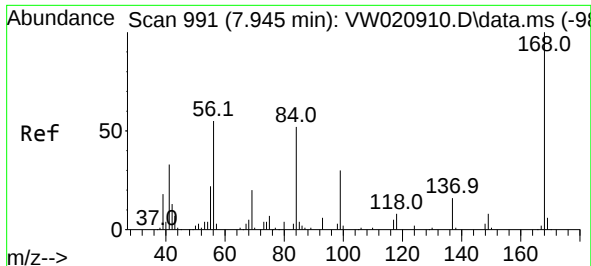
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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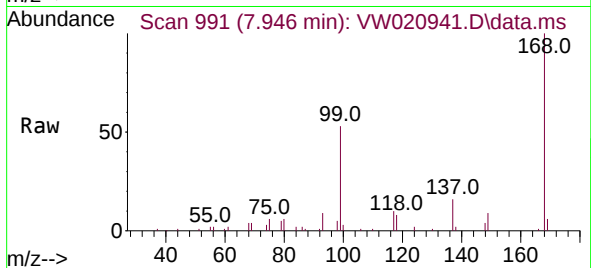
Quant Time: Nov 23 02:25:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 18 05:03:38 2021
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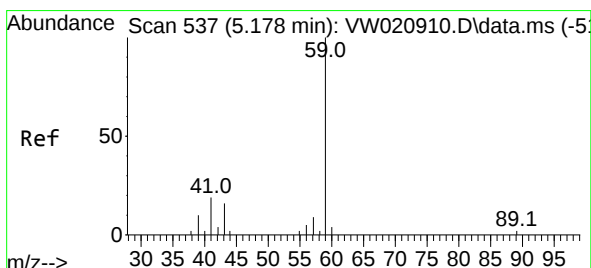
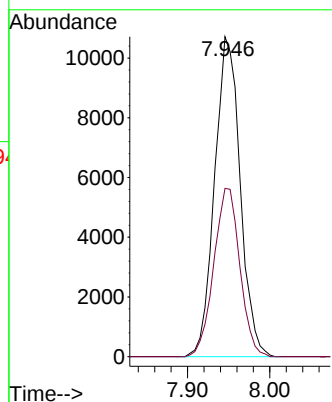
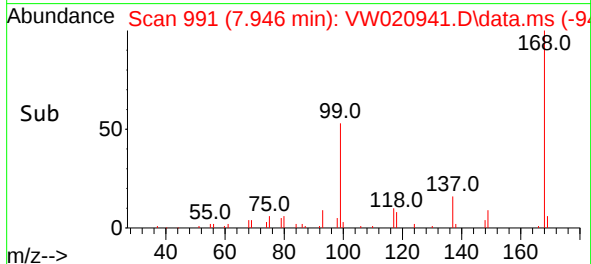


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.946 min Scan# 991
Delta R.T. 0.001 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

Instrument :
MSVOA_W
ClientSampleId :

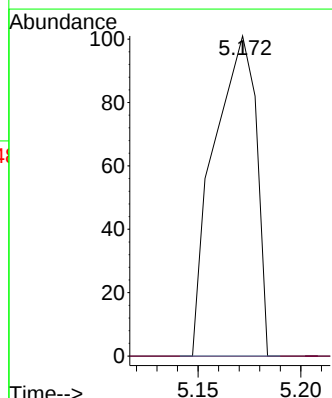
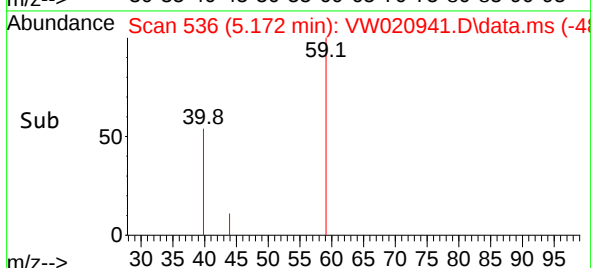
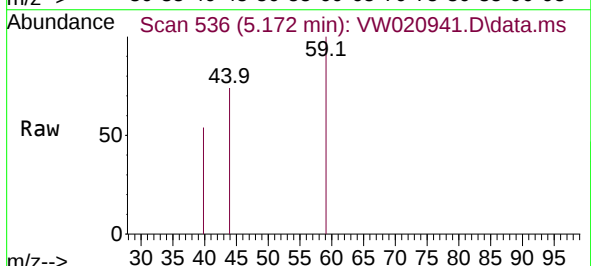


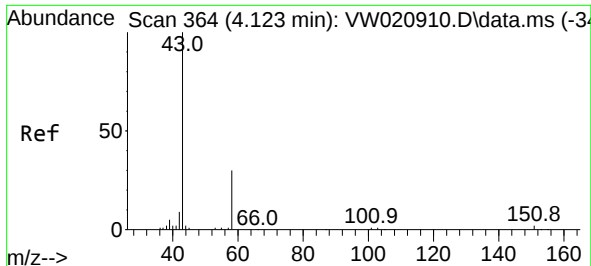
Tgt Ion:168 Resp: 23095
Ion Ratio Lower Upper
168 100
99 52.6 41.6 62.4



#11
Tert butyl alcohol
Concen: 7.693 ug/l
RT: 5.172 min Scan# 536
Delta R.T. -0.006 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

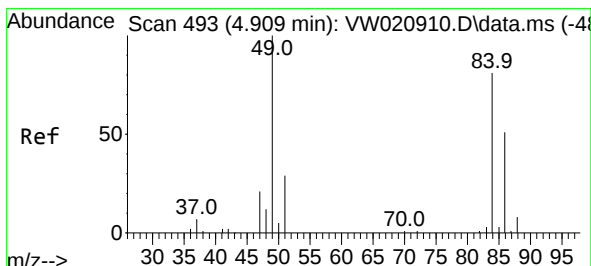
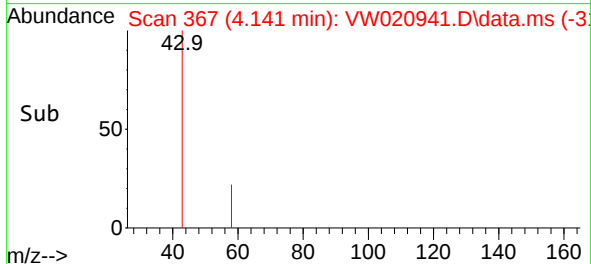
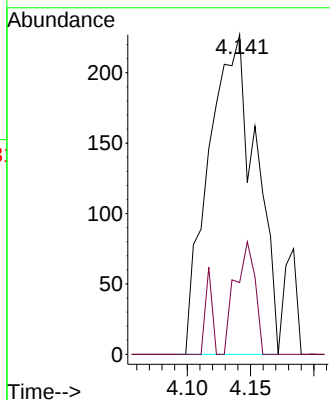
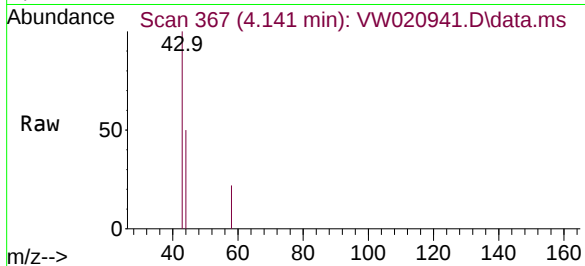




#16
Acetone
Concen: 13.245 ug/l
RT: 4.141 min Scan# 367
Delta R.T. 0.019 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

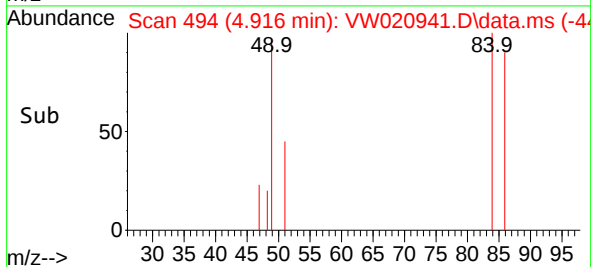
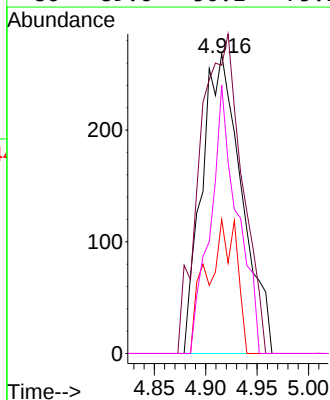
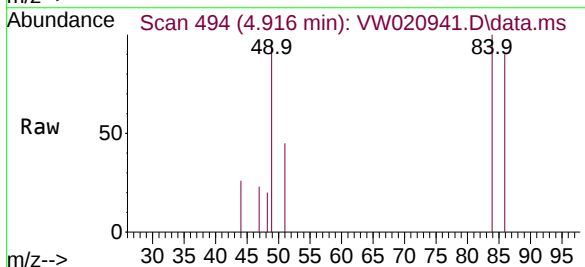
Instrument :
MSVOA_W
ClientSampleId :

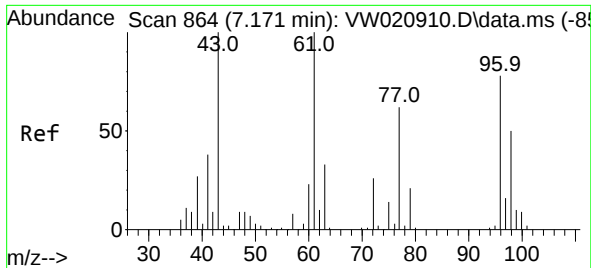
Tgt Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
58 22.5 24.2 36.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.916 min Scan# 494
Delta R.T. 0.007 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

Tgt Ion: 84 Resp: 724
Ion Ratio Lower Upper
84 100
49 96.3 99.1 148.7#
51 44.8 28.8 43.2#
86 89.6 50.1 75.1#

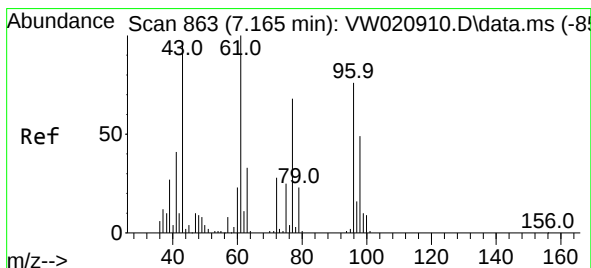
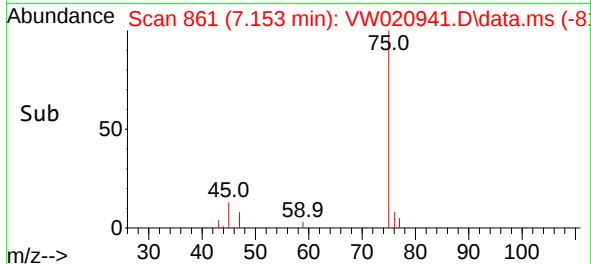
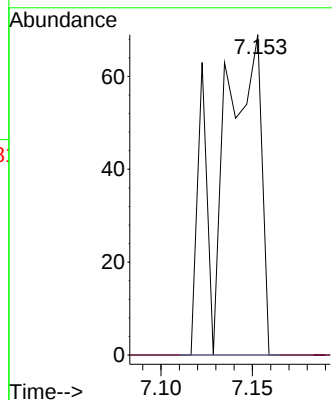
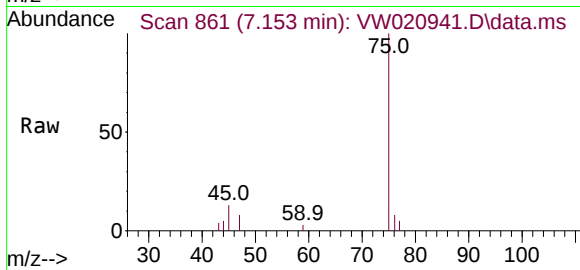




#25
2-Butanone
Concen: 1.742 ug/l
RT: 7.153 min Scan# 861
Delta R.T. -0.018 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

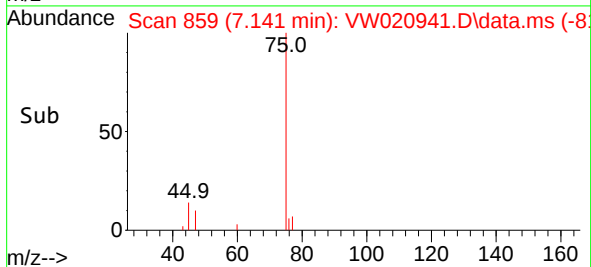
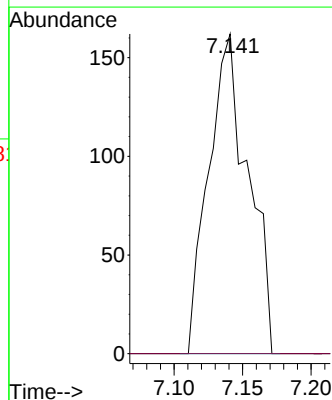
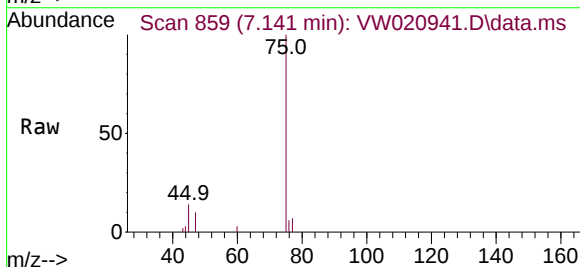
Instrument :
MSVOA_W
ClientSampleId :

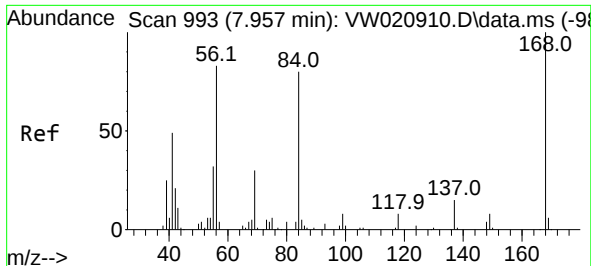
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#26
2,2-Dichloropropane
Concen: 1.245 ug/l
RT: 7.141 min Scan# 859
Delta R.T. -0.024 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

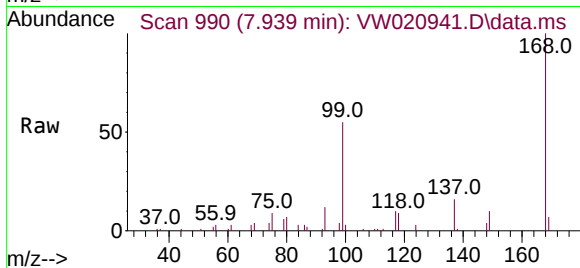
Tgt Ion: 77 Resp: 325
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



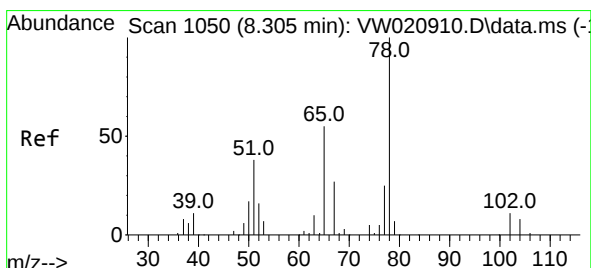
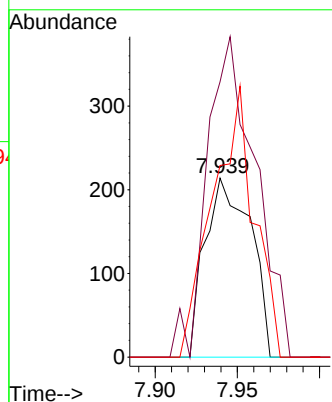
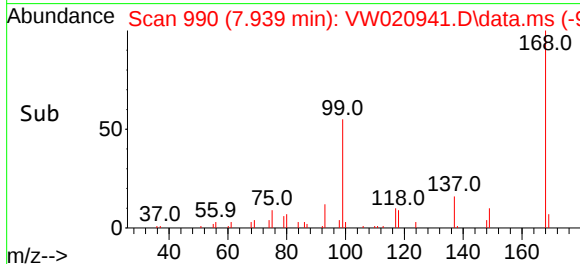


#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.939 min Scan# 993
Delta R.T. -0.018 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

Instrument :
MSVOA_W
ClientSampleId :

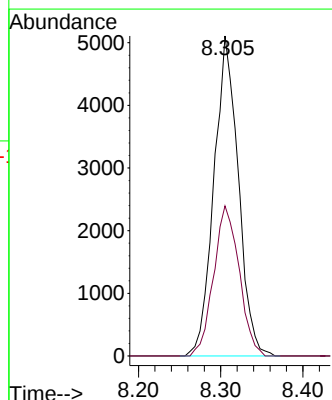
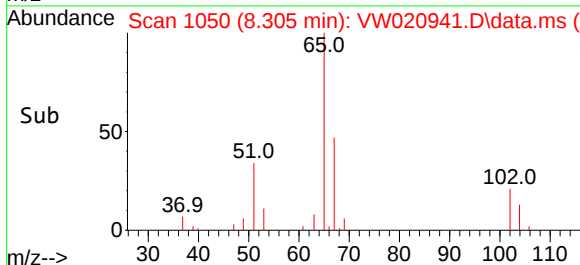
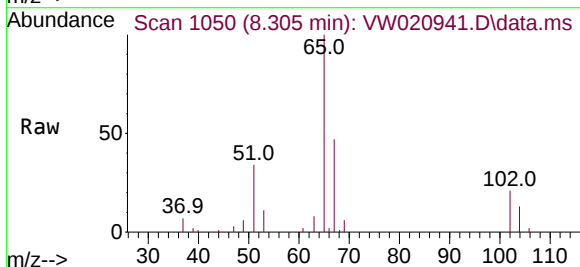


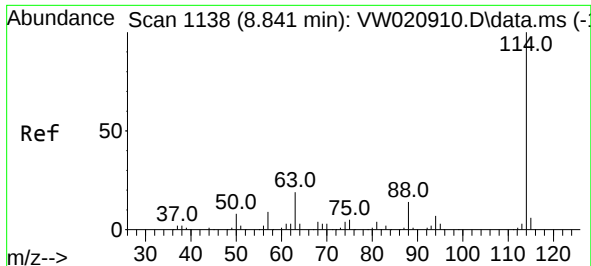
Tgt Ion: 56 Resp: 412
Ion Ratio Lower Upper
56 100
69 126.6 28.7 43.1#
84 107.0 77.6 116.4



#33
1,2-Dichloroethane-d4
Concen: 49.133 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

Tgt Ion: 65 Resp: 10511
Ion Ratio Lower Upper
65 100
67 49.2 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.842 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VW020941.D

Acq: 22 Nov 2021 17:01

Instrument :

MSVOA_W

ClientSampleId :

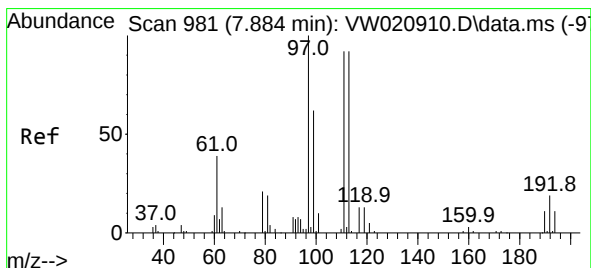
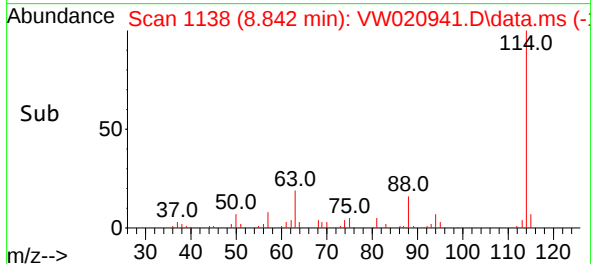
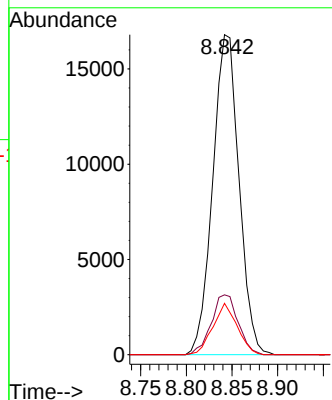
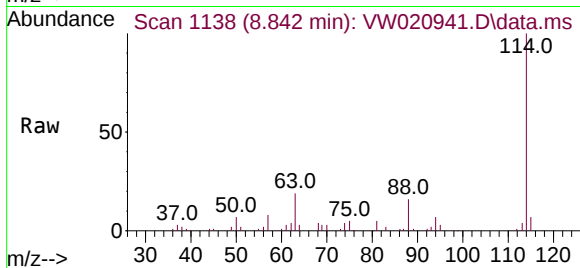
Tgt Ion:114 Resp: 33598

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.2

88 16.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.474 ug/l

RT: 7.885 min Scan# 981

Delta R.T. 0.000 min

Lab File: VW020941.D

Acq: 22 Nov 2021 17:01

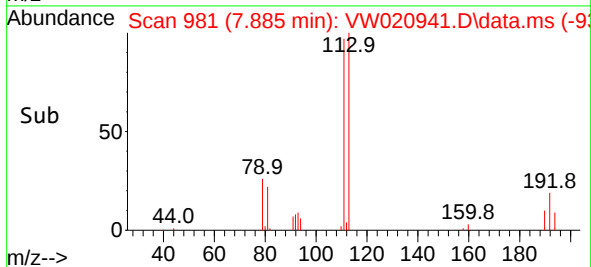
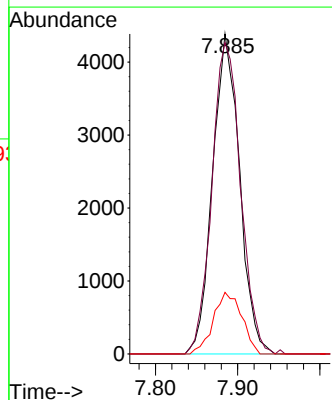
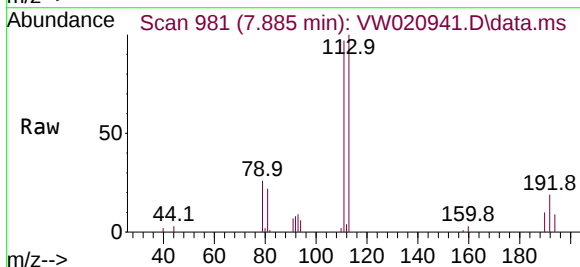
Tgt Ion:113 Resp: 10005

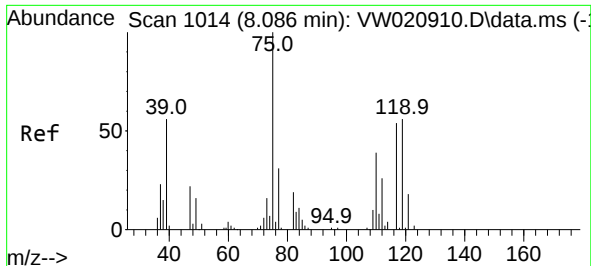
Ion Ratio Lower Upper

113 100

111 103.6 81.2 121.8

192 20.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.447 ug/l

RT: 7.939 min Scan# 990

Delta R.T. -0.146 min

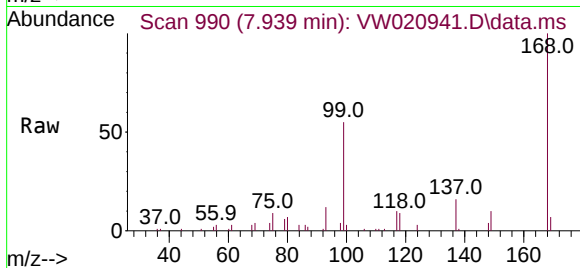
Lab File: VW020941.D

Acq: 22 Nov 2021 17:01

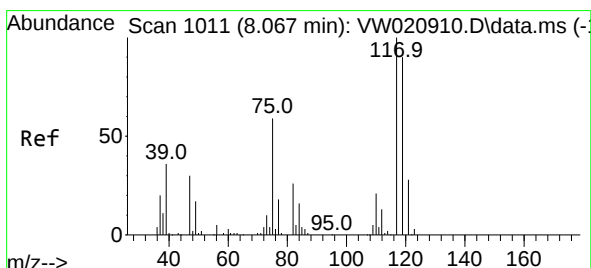
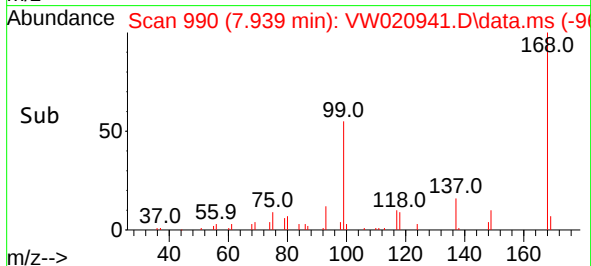
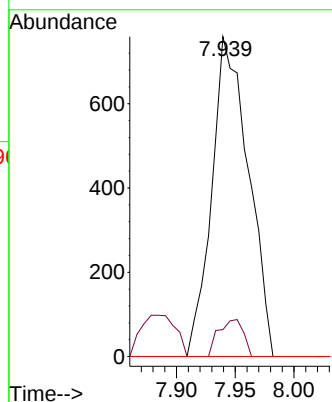
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 75	Resp: 1644
Ion Ratio	Lower Upper
75	100
110	7.8 19.1 57.5#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.039 ug/l

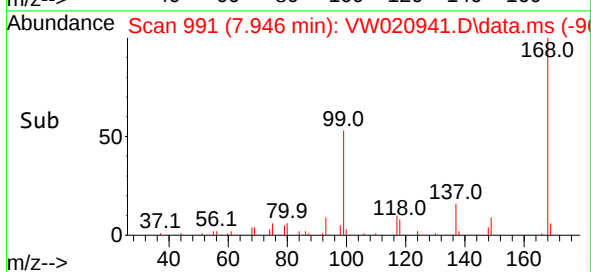
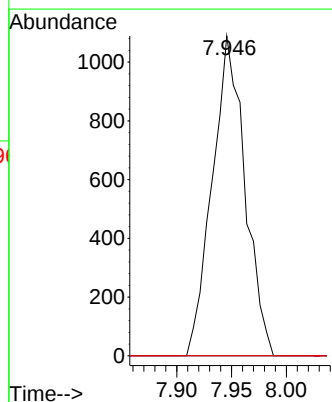
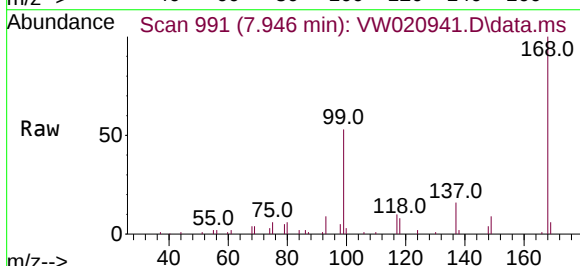
RT: 7.946 min Scan# 991

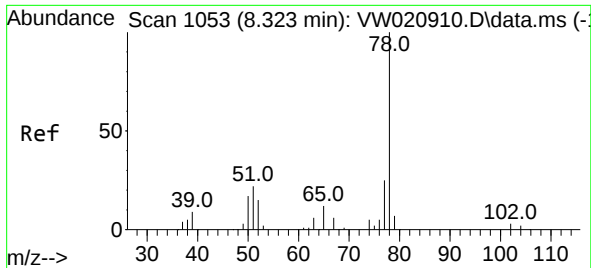
Delta R.T. -0.122 min

Lab File: VW020941.D

Acq: 22 Nov 2021 17:01

Tgt Ion: 117	Resp: 2260
Ion Ratio	Lower Upper
117	100
119	0.0 72.0 108.0#
121	0.0 22.6 33.8#

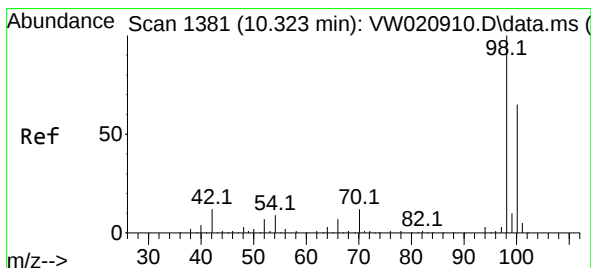
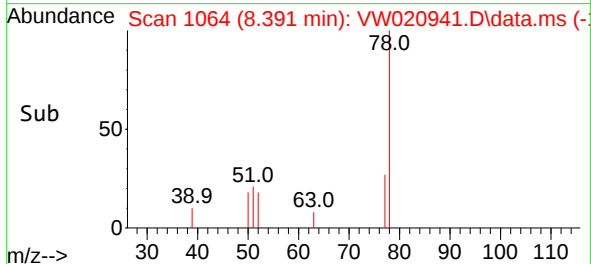
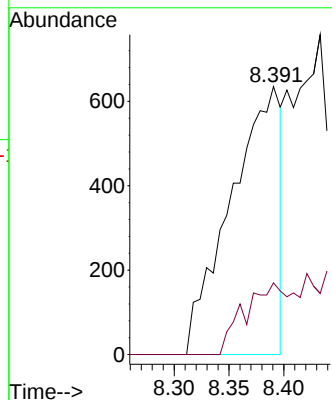
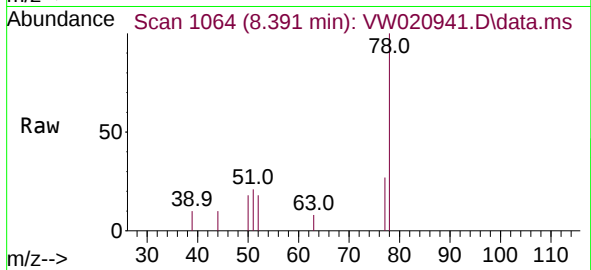




#40
Benzene
Concen: 2.338 ug/l
RT: 8.391 min Scan# 1064
Delta R.T. 0.067 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

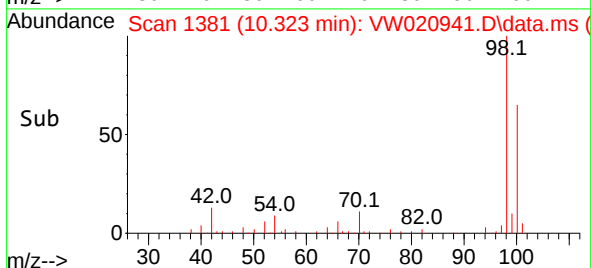
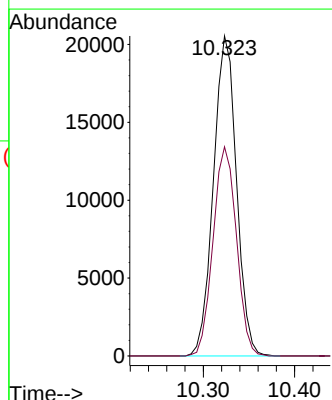
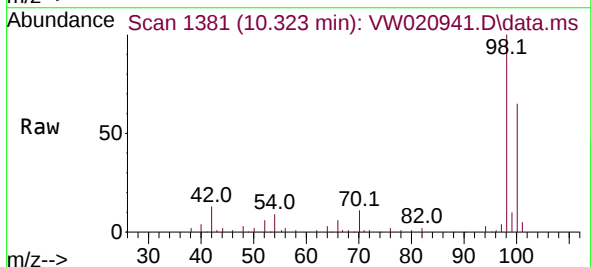
Instrument :
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ClientSampleId :

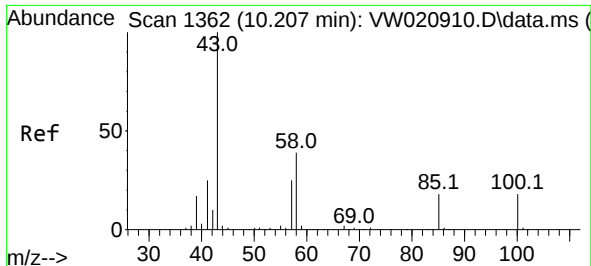
Tgt Ion: 78 Resp: 2012
Ion Ratio Lower Upper
78 100
77 26.8 20.0 30.0



#50
Toluene-d8
Concen: 46.614 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

Tgt Ion: 98 Resp: 36029
Ion Ratio Lower Upper
98 100
100 66.1 52.6 79.0

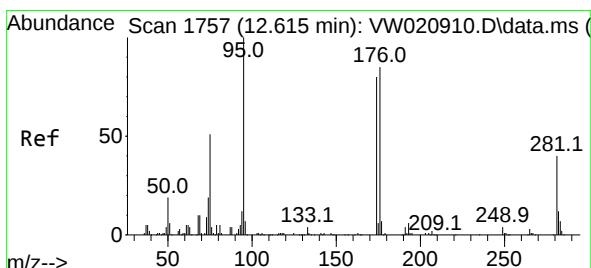
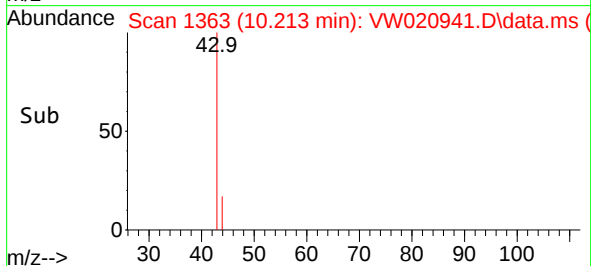
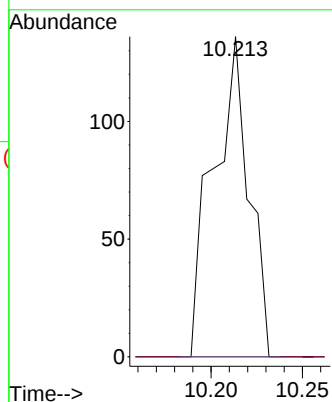
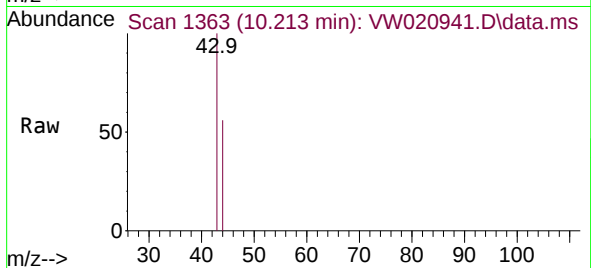




#51
4-Methyl-2-Pentanone
Concen: 1.338 ug/l
RT: 10.213 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

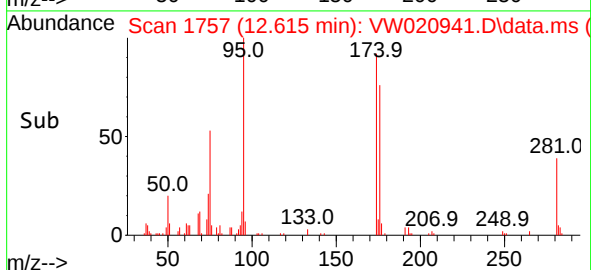
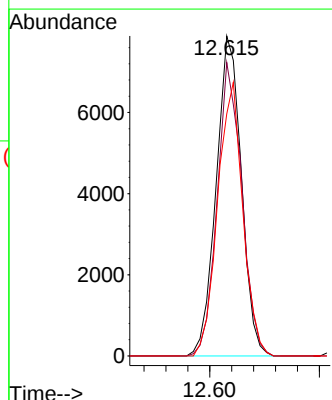
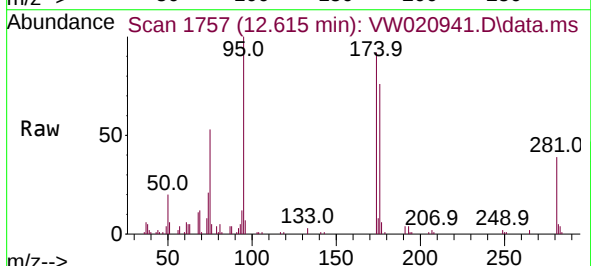
Instrument :
MSVOA_W
ClientSampleId :

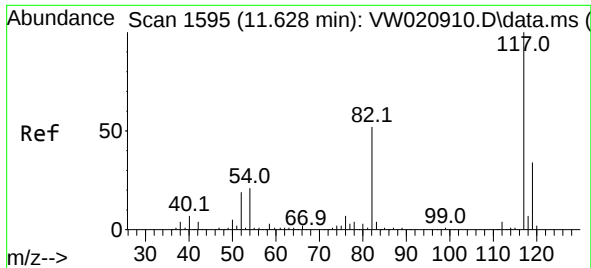
Tgt Ion: 43 Resp: 184
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#62
4-Bromofluorobenzene
Concen: 43.610 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

Tgt Ion: 95 Resp: 12571
Ion Ratio Lower Upper
95 100
174 89.8 0.0 171.2
176 85.3 0.0 175.4

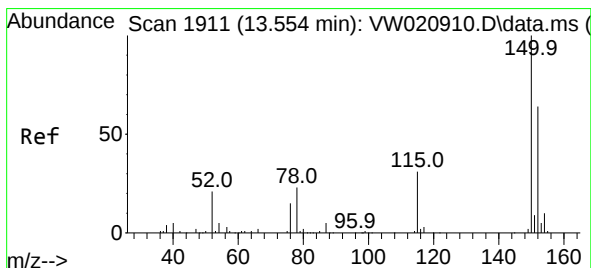
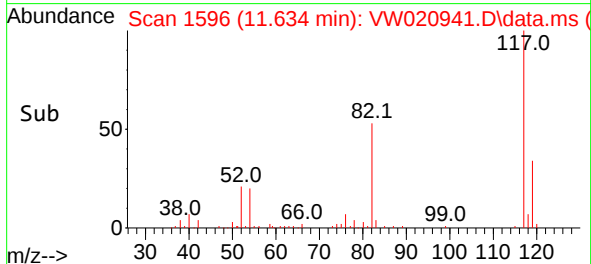
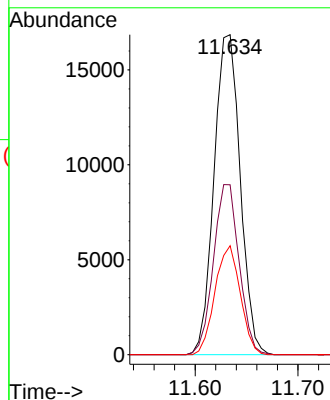
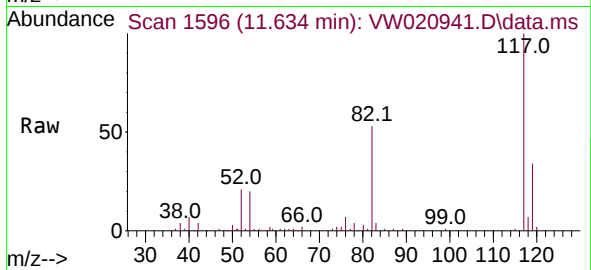




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

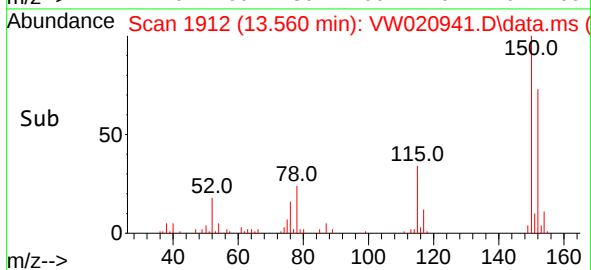
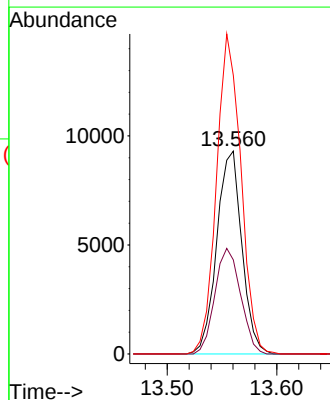
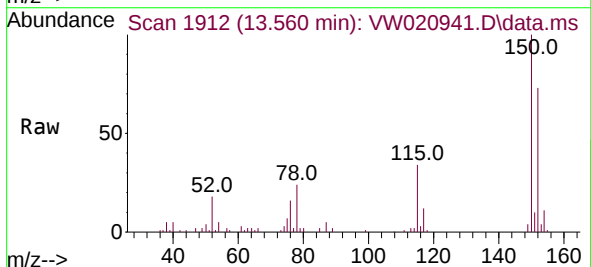
Instrument :
MSVOA_W
ClientSampleId :

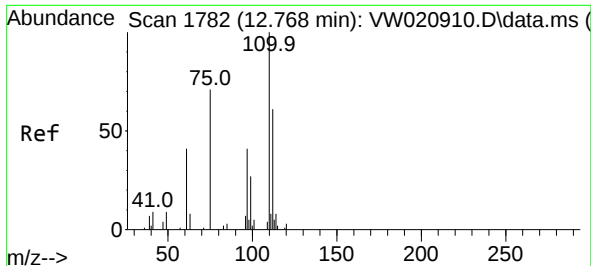
Tgt Ion:117 Resp: 29808
Ion Ratio Lower Upper
117 100
82 53.1 41.4 62.2
119 34.0 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

Tgt Ion:152 Resp: 14807
Ion Ratio Lower Upper
152 100
115 53.3 27.8 83.3
150 154.0 0.0 348.4

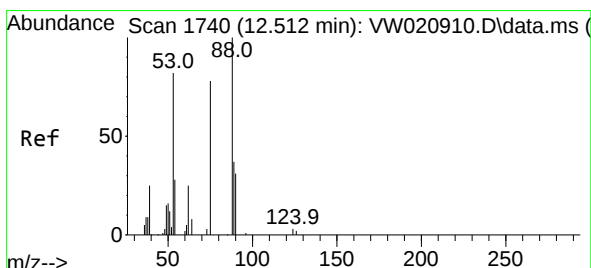
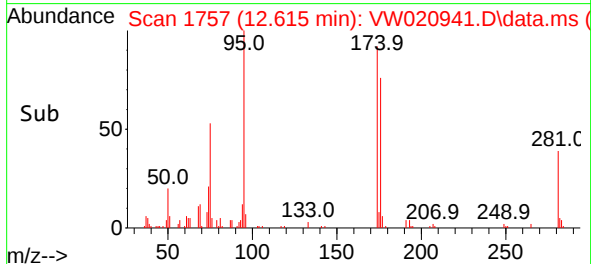
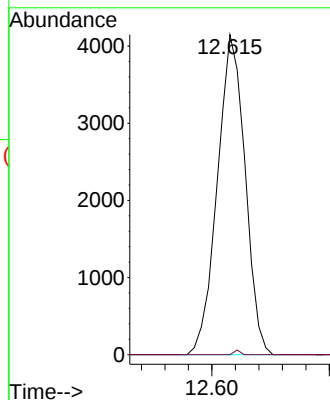
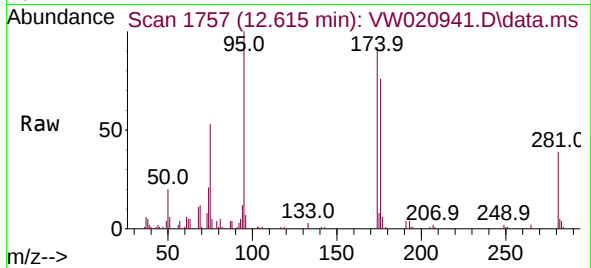




#76
1,2,3-Trichloropropane
Concen: 51.061 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.152 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

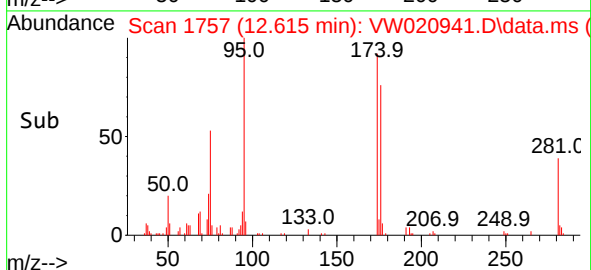
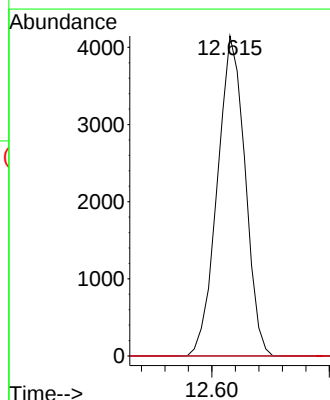
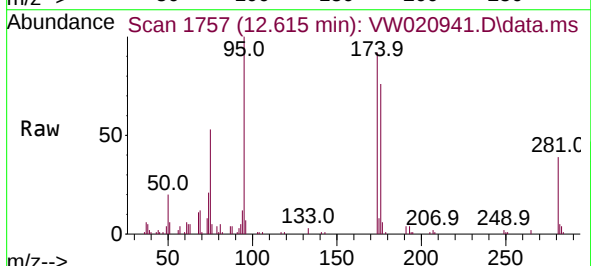
Instrument :
MSVOA_W
ClientSampleId :

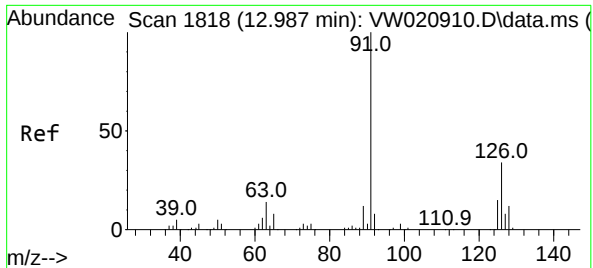
Tgt Ion: 75 Resp: 6793
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.112 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.104 min
Lab File: VW020941.D
Acq: 22 Nov 2021 17:01

Tgt Ion: 75 Resp: 6793
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 38.6 57.8#





#82
 4-Chlorotoluene
 Concen: 2.579 ug/l
 RT: 13.164 min Scan# 11
 Delta R.T. 0.177 min
 Lab File: VW020941.D
 Acq: 22 Nov 2021 17:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 91 Resp: 1884
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.1 51.2#

