

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112221\
 Data File : VW020938.D
 Acq On : 22 Nov 2021 15:48
 Operator : SY/VA
 Sample : M4758-27RE
 Misc : 5.01g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 23 02:24:48 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)

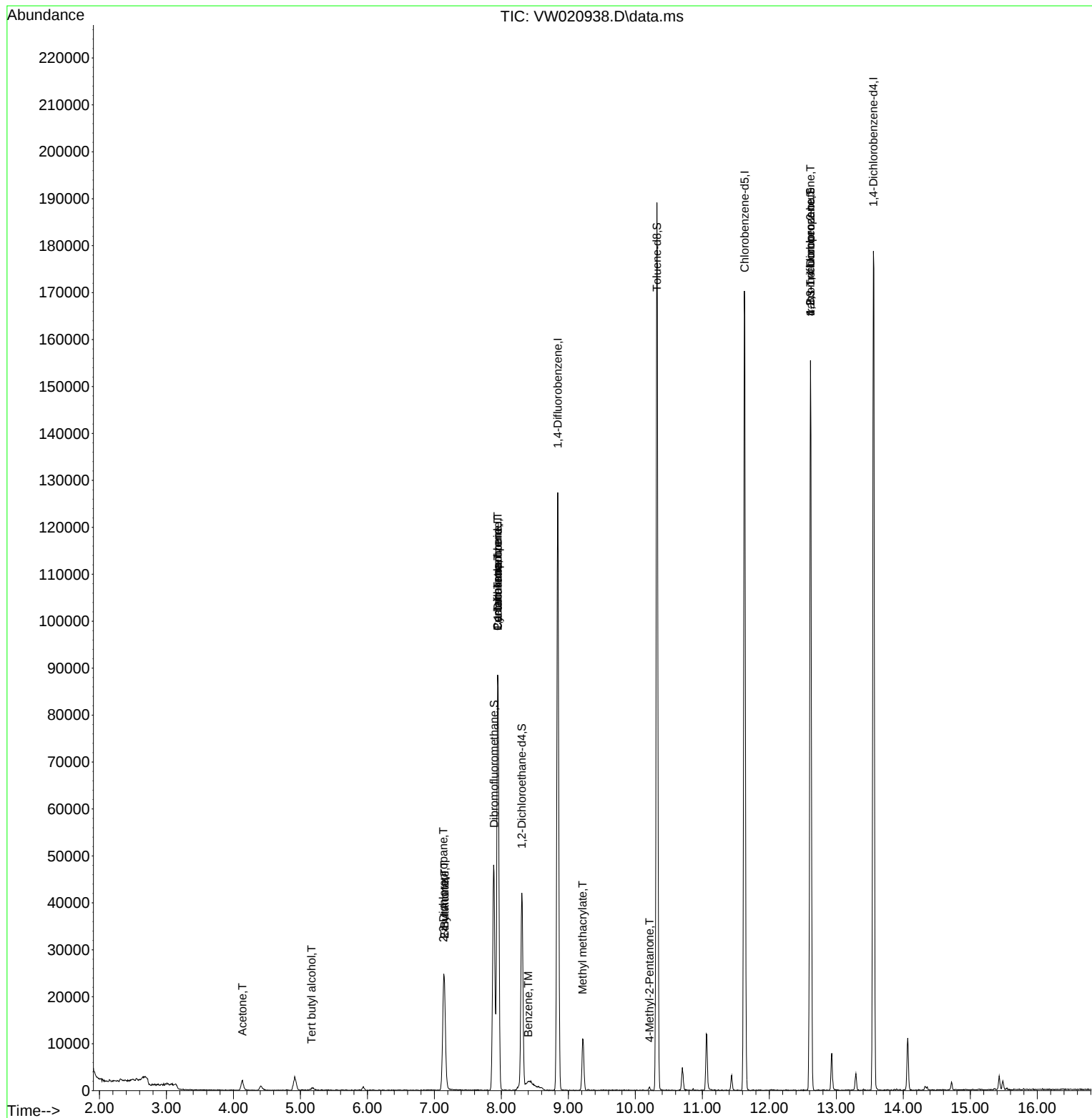
Internal Standards						
1) Pentafluorobenzene	7.945	168	70364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	106413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	97849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	47868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	32580	49.986	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.980%		
35) Dibromofluoromethane	7.890	113	32974	49.401	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.800%		
50) Toluene-d8	10.323	98	122533	50.053	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.100%		
62) 4-Bromofluorobenzene	12.615	95	44011	48.206	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.420%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.165	59	616	10.727	ug/l #	84
16) Acetone	4.135	43	3789	27.966	ug/l	94
20) Methylene Chloride	4.915	84	2164	Below Cal		88
25) 2-Butanone	7.153	43	1331	6.917	ug/l #	49
26) 2,2-Dichloropropane	7.135	77	1864	2.344	ug/l #	52
31) Cyclohexane	7.945	56	1485	1.366	ug/l #	33
36) 1,1-Dichloropropene	7.945	75	5071	5.305	ug/l #	48
37) Ethyl Acetate	7.153	43	1331	3.052	ug/l #	1
38) Carbon Tetrachloride	7.945	117	6473	6.365	ug/l #	20
40) Benzene	8.403	78	3338	1.225	ug/l	94
48) Methyl methacrylate	9.213	41	3030	7.959	ug/l #	35
51) 4-Methyl-2-Pentanone	10.213	43	490	1.125	ug/l #	79
76) 1,2,3-Trichloropropane	12.615	75	23251	54.062	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	23251	127.171	ug/l #	9

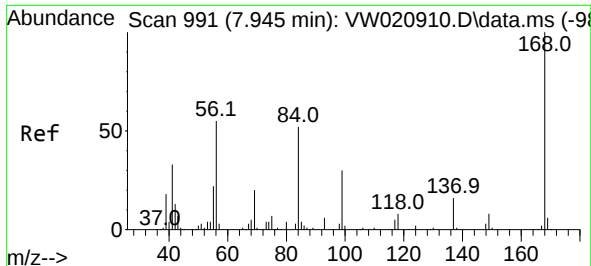
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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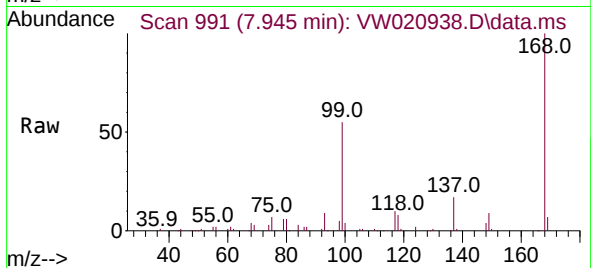
Quant Time: Nov 23 02:24:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 18 05:03:38 2021
Response via : Initial Calibration



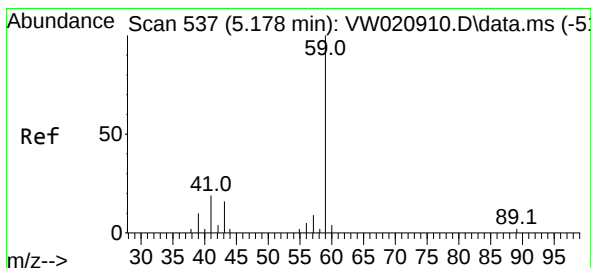
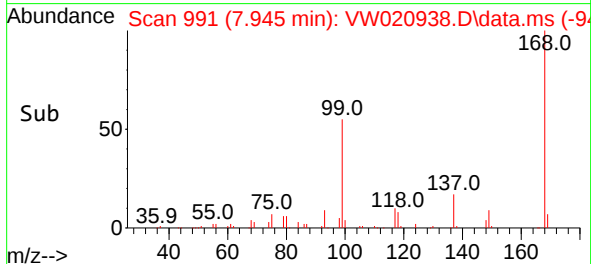
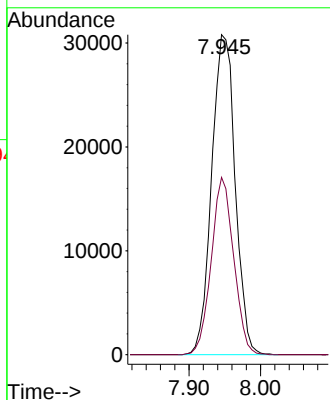


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.945 min Scan# 991
Delta R.T. 0.000 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Instrument :
MSVOA_W
ClientSampleId :

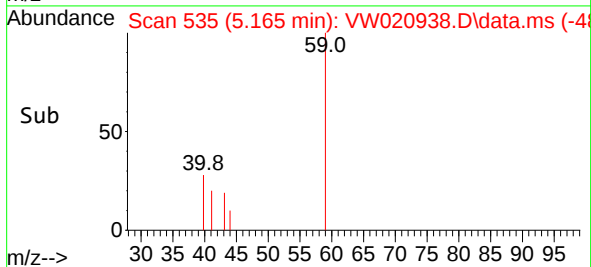
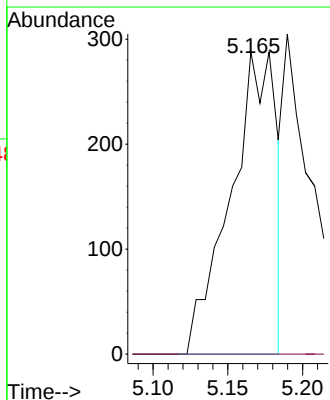
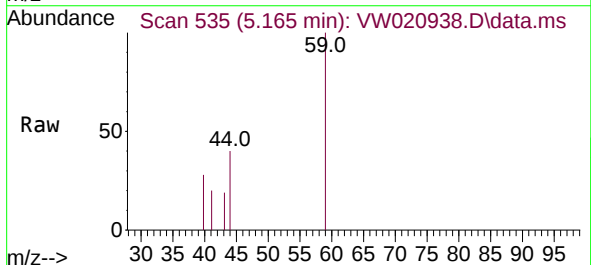


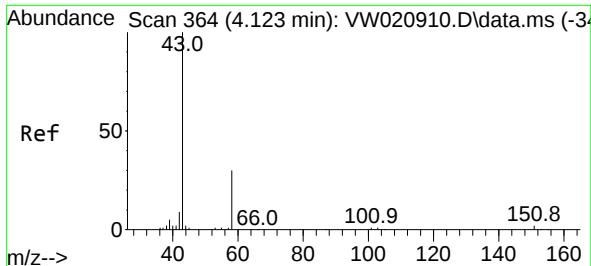
Tgt Ion:168 Resp: 70364
Ion Ratio Lower Upper
168 100
99 55.4 41.6 62.4



#11
Tert butyl alcohol
Concen: 10.727 ug/l
RT: 5.165 min Scan# 535
Delta R.T. -0.013 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Tgt Ion: 59 Resp: 616
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

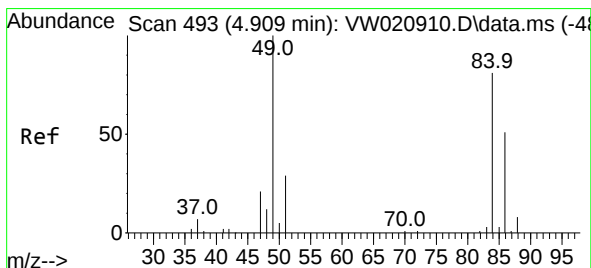
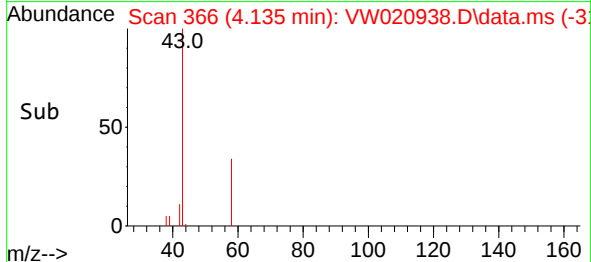
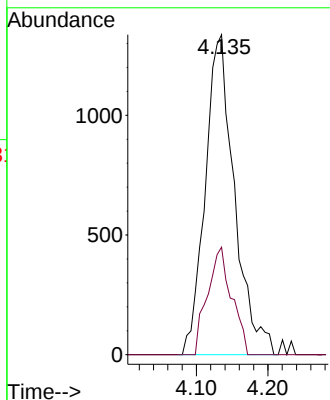
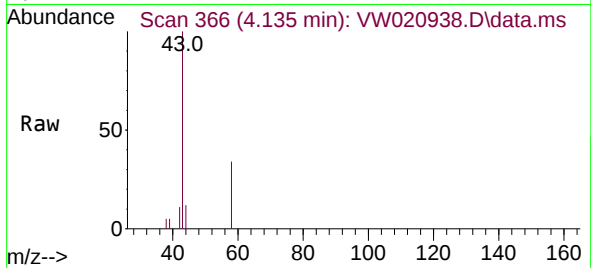




#16
Acetone
Concen: 27.966 ug/l
RT: 4.135 min Scan# 30
Delta R.T. 0.012 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

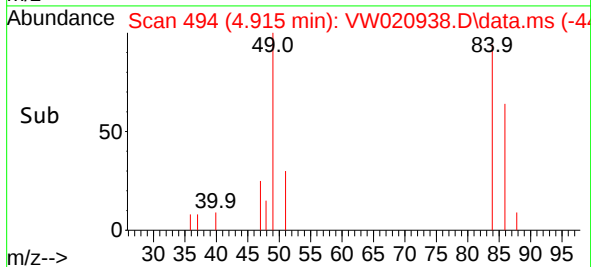
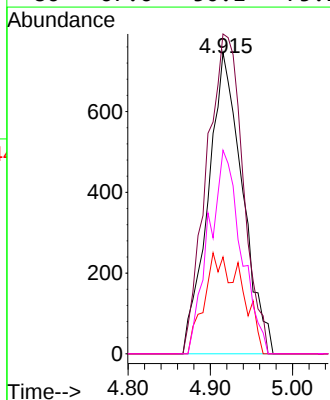
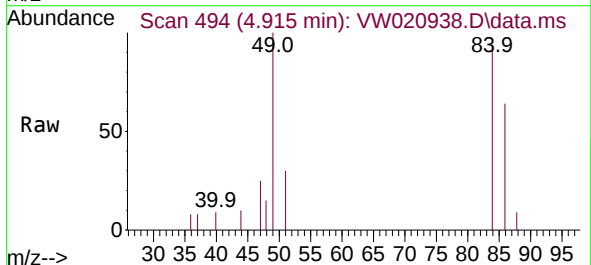
Instrument :
MSVOA_W
ClientSampleId :

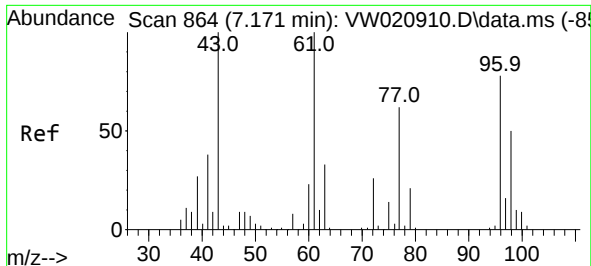
Tgt Ion: 43 Resp: 3789
Ion Ratio Lower Upper
43 100
58 33.6 24.2 36.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.915 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Tgt Ion: 84 Resp: 2164
Ion Ratio Lower Upper
84 100
49 106.2 99.1 148.7
51 32.2 28.8 43.2
86 67.6 50.1 75.1





#25

2-Butanone

Concen: 6.917 ug/l

RT: 7.153 min Scan# 8

Delta R.T. -0.018 min

Lab File: VW020938.D

Acq: 22 Nov 2021 15:48

Instrument :

MSVOA_W

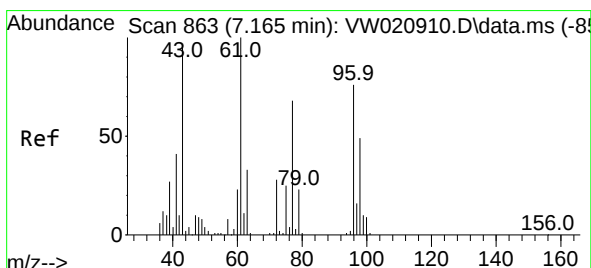
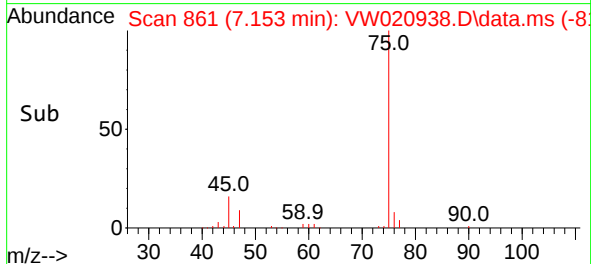
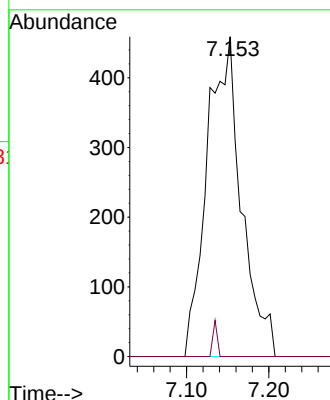
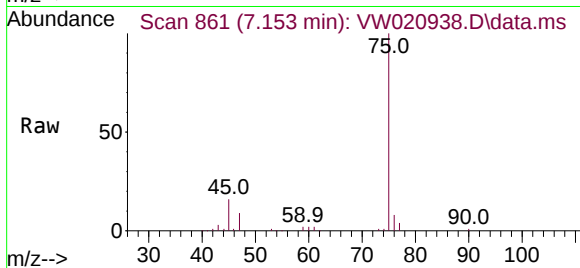
ClientSampleId :

Tgt Ion: 43 Resp: 1331

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 2.344 ug/l

RT: 7.135 min Scan# 858

Delta R.T. -0.030 min

Lab File: VW020938.D

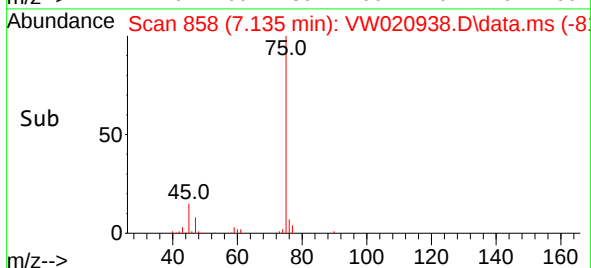
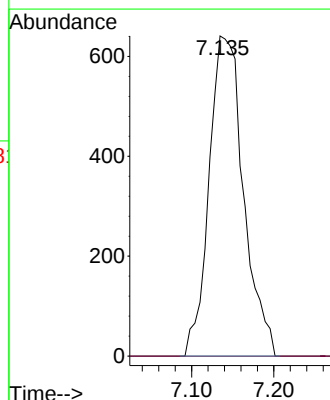
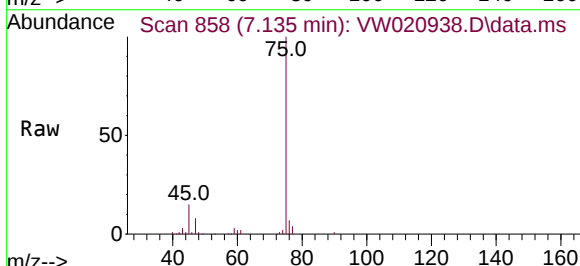
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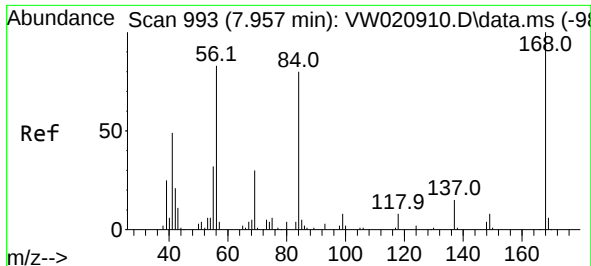
Tgt Ion: 77 Resp: 1864

Ion Ratio Lower Upper

77 100

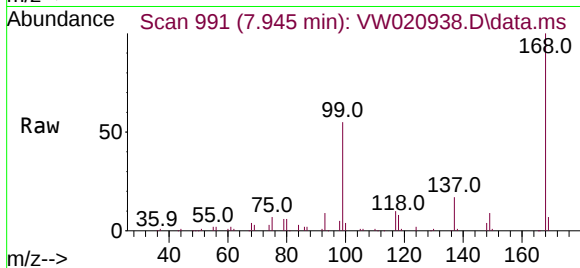
97 0.0 11.7 35.1#



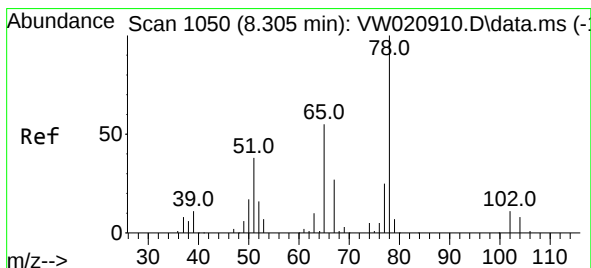
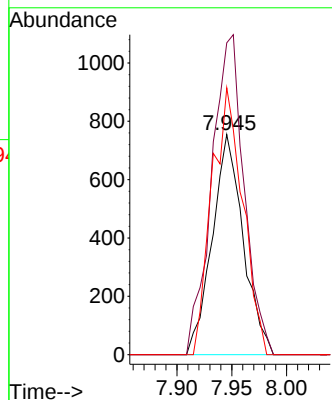
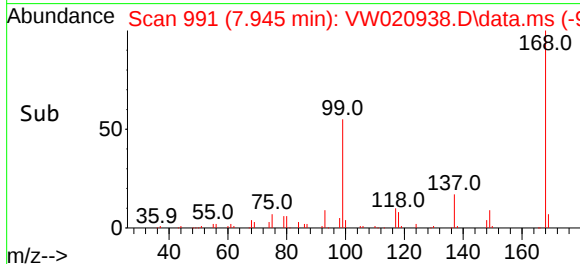


#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.012 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Instrument :
MSVOA_W
ClientSampleId :

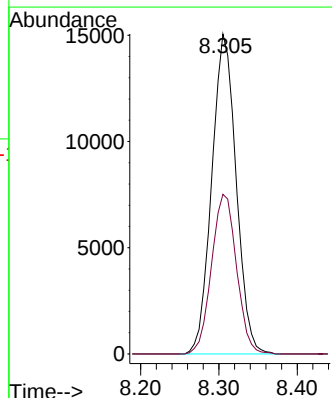
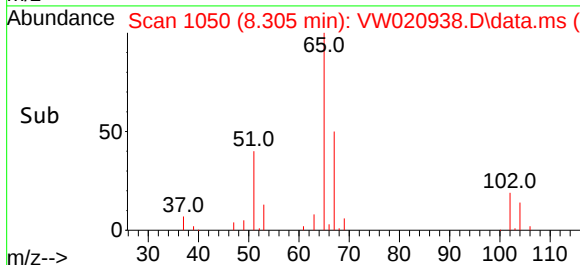
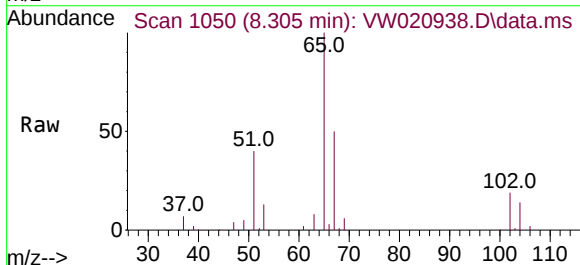


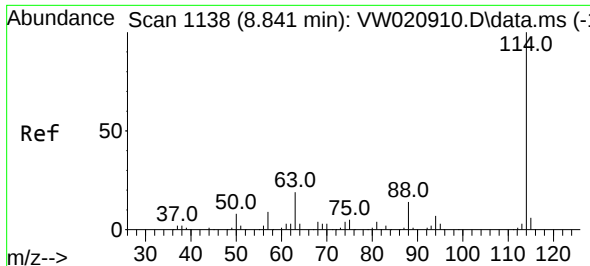
Tgt Ion: 56 Resp: 1485
Ion Ratio Lower Upper
56 100
69 141.6 28.7 43.1#
84 121.2 77.6 116.4#



#33
1,2-Dichloroethane-d4
Concen: 49.986 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

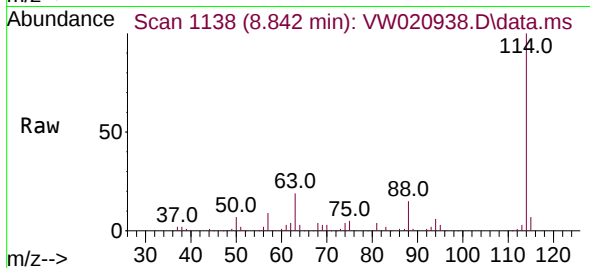
Tgt Ion: 65 Resp: 32580
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2



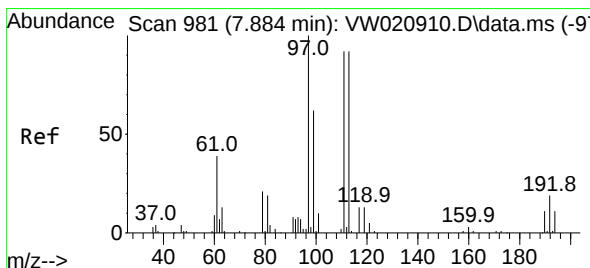
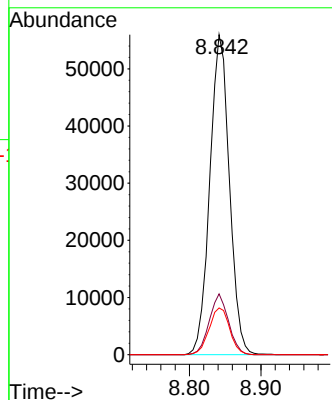
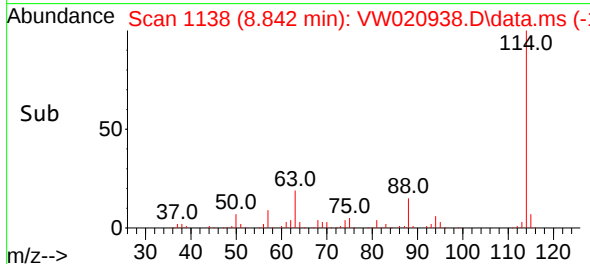


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Instrument :
MSVOA_W
ClientSampleId :

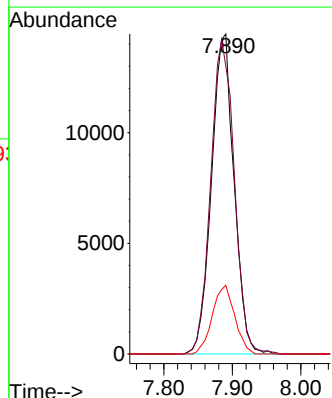
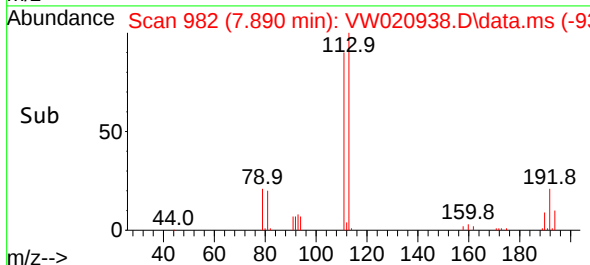
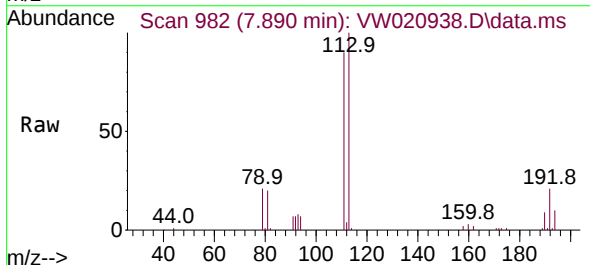


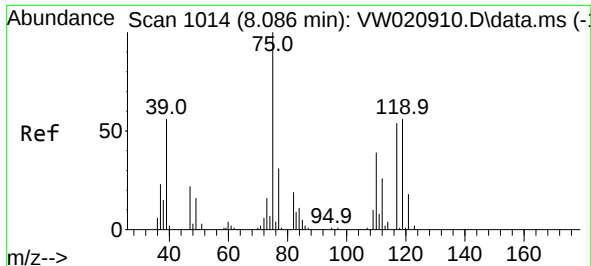
Tgt Ion:114 Resp: 106413
Ion Ratio Lower Upper
114 100
63 19.0 0.0 37.2
88 14.6 0.0 28.8



#35
Dibromofluoromethane
Concen: 49.401 ug/l
RT: 7.890 min Scan# 982
Delta R.T. 0.006 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Tgt Ion:113 Resp: 32974
Ion Ratio Lower Upper
113 100
111 103.0 81.2 121.8
192 21.3 16.8 25.2

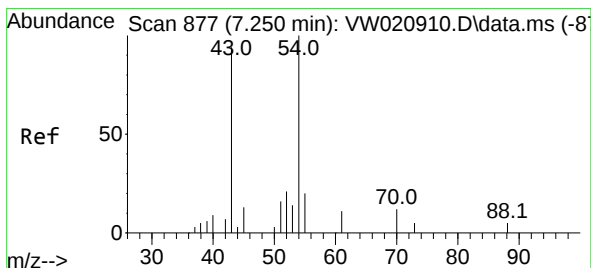
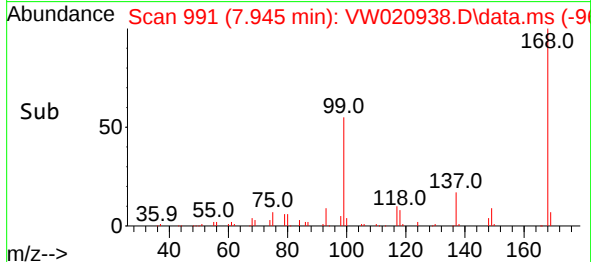
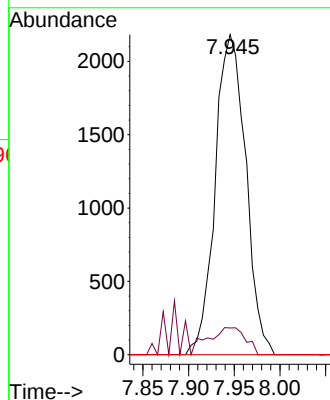
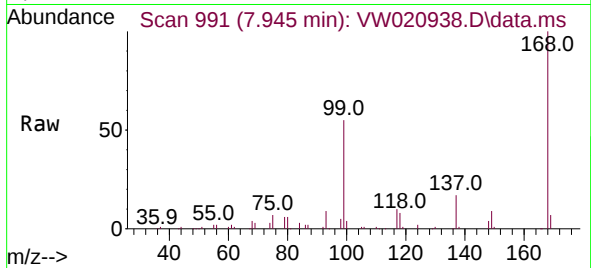




#36
1,1-Dichloropropene
Concen: 5.305 ug/l
RT: 7.945 min Scan# 91
Delta R.T. -0.140 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

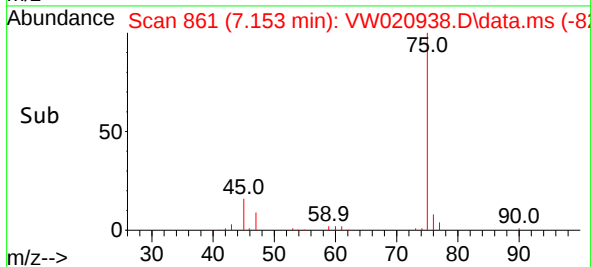
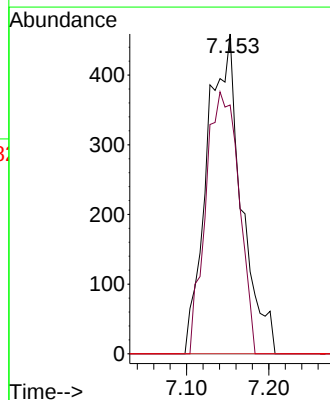
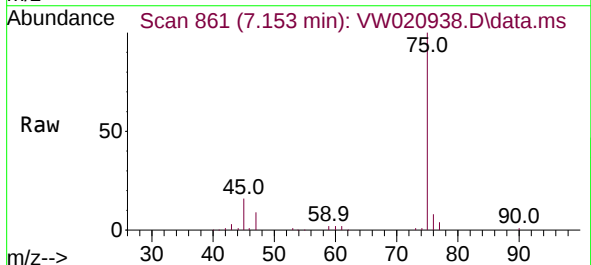
Instrument :
MSVOA_W
ClientSampleId :

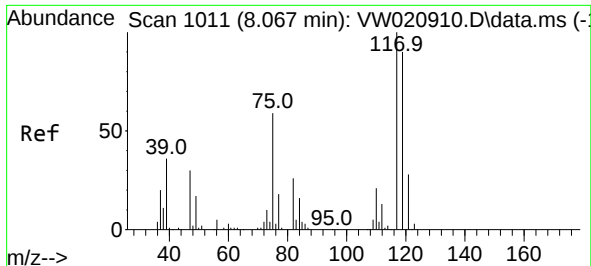
Tgt Ion: 75 Resp: 5071
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.5#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 3.052 ug/l
RT: 7.153 min Scan# 861
Delta R.T. -0.098 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

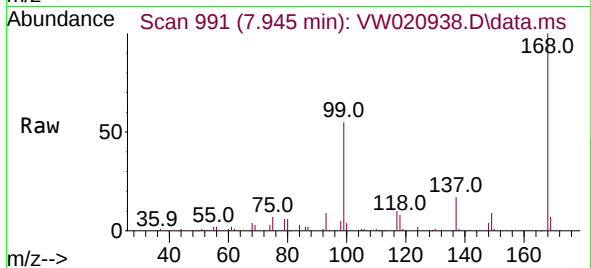
Tgt Ion: 43 Resp: 1331
Ion Ratio Lower Upper
43 100
61 79.3 11.3 16.9#
70 0.0 9.2 13.8#



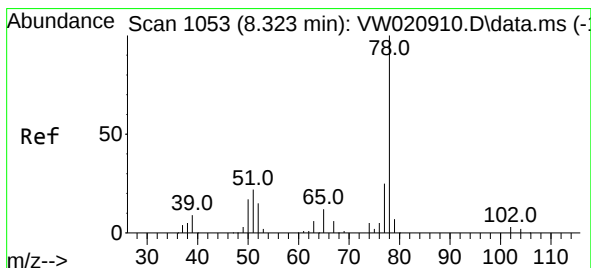
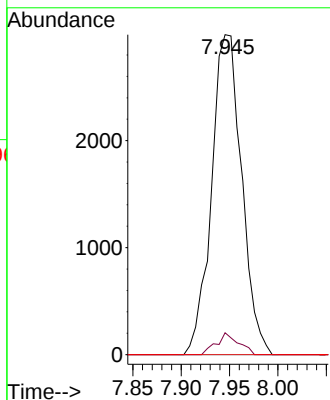
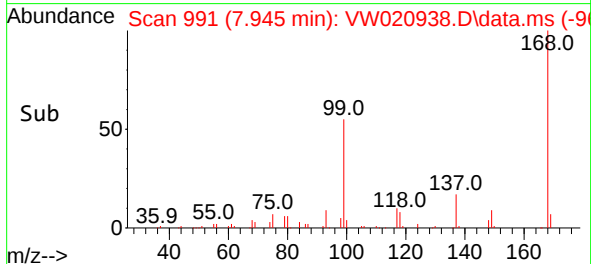


#38
Carbon Tetrachloride
Concen: 6.365 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.122 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Instrument :
MSVOA_W
ClientSampleId :

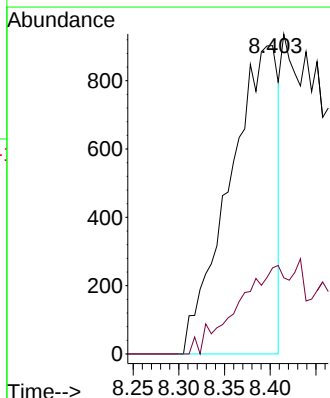
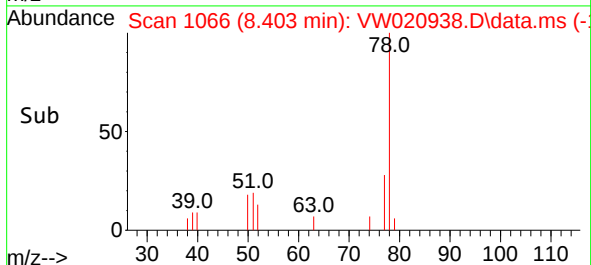
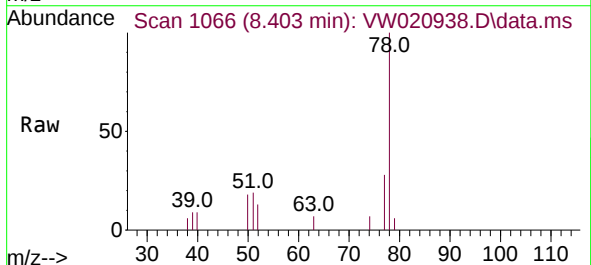


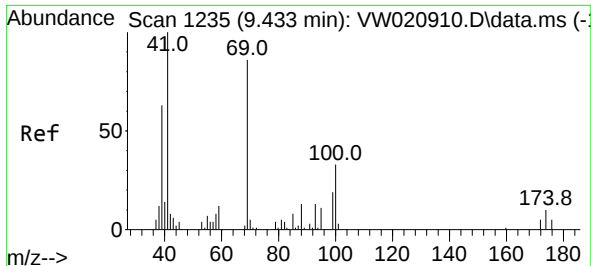
Tgt Ion:117 Resp: 6473
Ion Ratio Lower Upper
117 100
119 6.8 72.0 108.0#
121 0.0 22.6 33.8#



#40
Benzene
Concen: 1.225 ug/l
RT: 8.403 min Scan# 1066
Delta R.T. 0.079 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Tgt Ion: 78 Resp: 3338
Ion Ratio Lower Upper
78 100
77 27.9 20.0 30.0

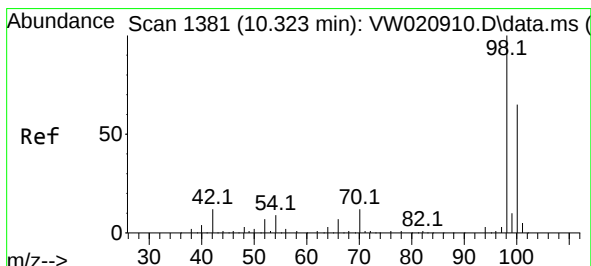
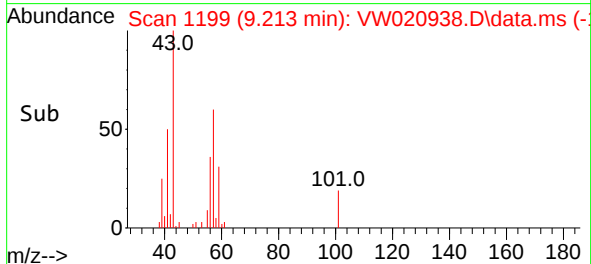
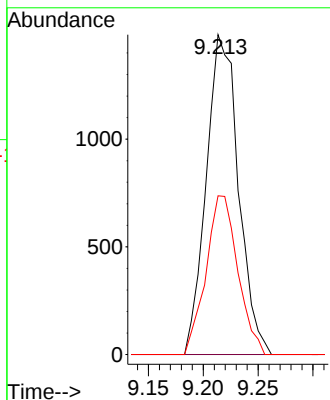
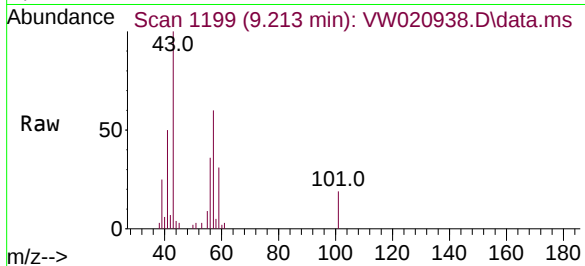




#48
Methyl methacrylate
Concen: 7.959 ug/l
RT: 9.213 min Scan# 1199
Delta R.T. -0.219 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

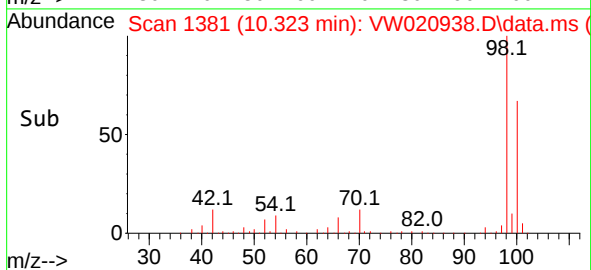
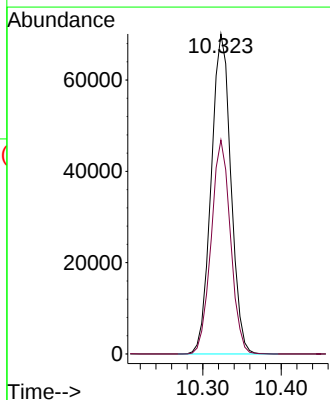
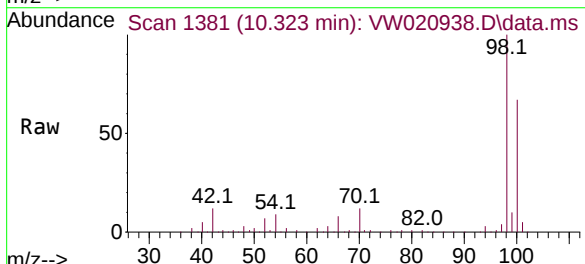
Instrument :
MSVOA_W
ClientSampleId :

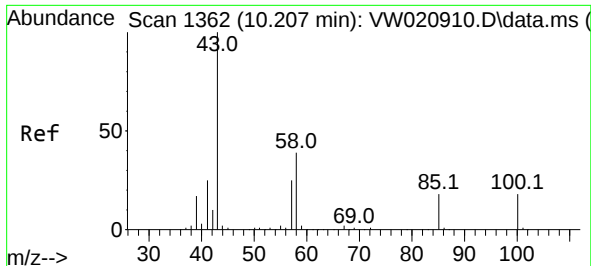
Tgt Ion: 41 Resp: 3030
Ion Ratio Lower Upper
41 100
69 0.0 72.9 109.3#
39 49.0 54.2 81.4#



#50
Toluene-d8
Concen: 50.053 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Tgt Ion: 98 Resp: 122533
Ion Ratio Lower Upper
98 100
100 65.4 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 1.125 ug/l

RT: 10.213 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW020938.D

Acq: 22 Nov 2021 15:48

Instrument :

MSVOA_W

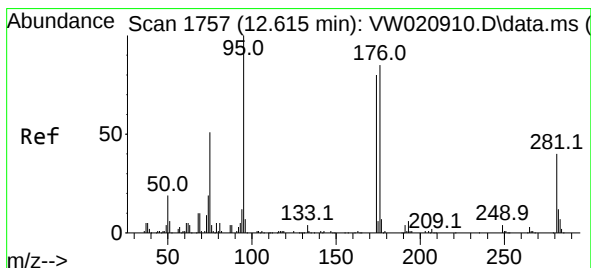
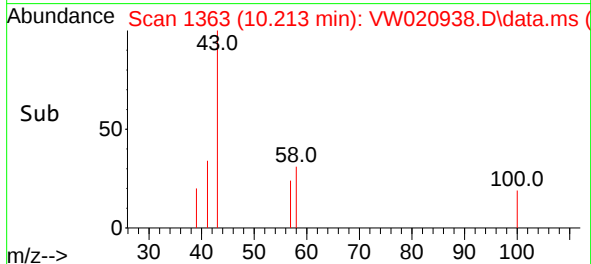
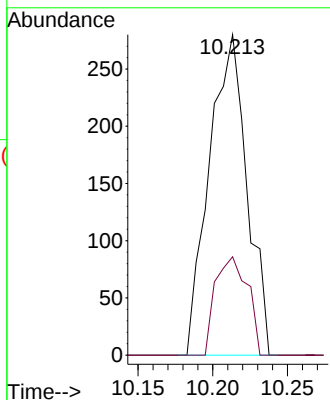
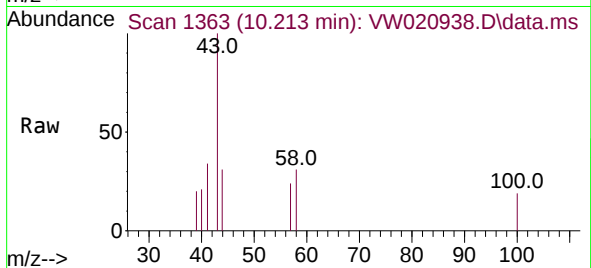
ClientSampleId :

Tgt Ion: 43 Resp: 490

Ion Ratio Lower Upper

43 100

58 26.1 30.9 46.3#



#62

4-Bromofluorobenzene

Concen: 48.206 ug/l

RT: 12.615 min Scan# 1757

Delta R.T. 0.000 min

Lab File: VW020938.D

Acq: 22 Nov 2021 15:48

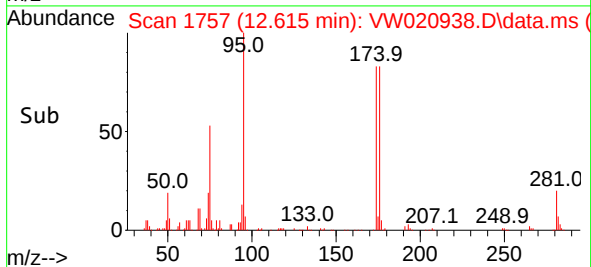
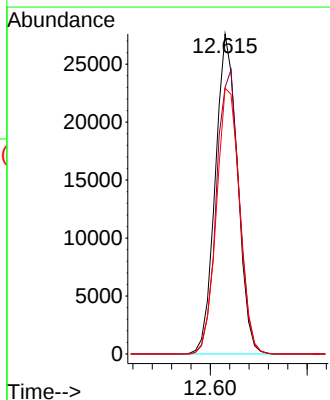
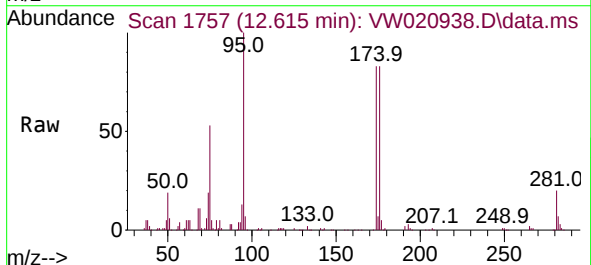
Tgt Ion: 95 Resp: 44011

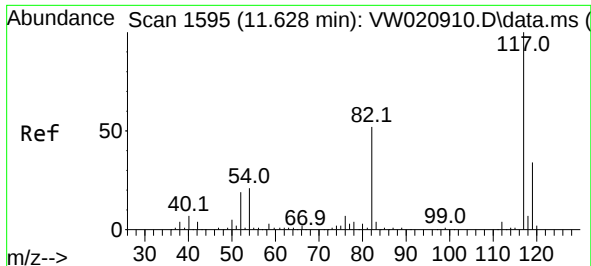
Ion Ratio Lower Upper

95 100

174 90.5 0.0 171.2

176 86.5 0.0 175.4

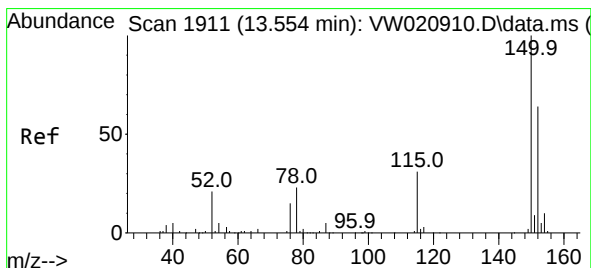
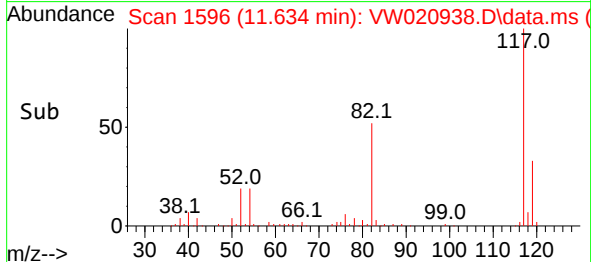
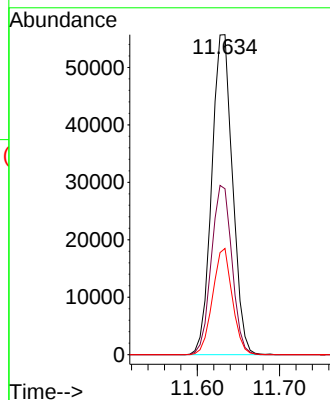
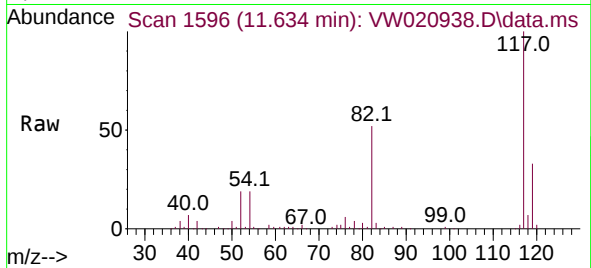




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

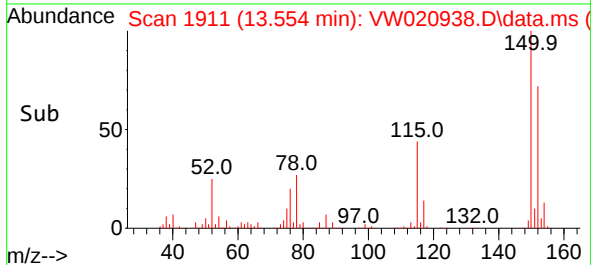
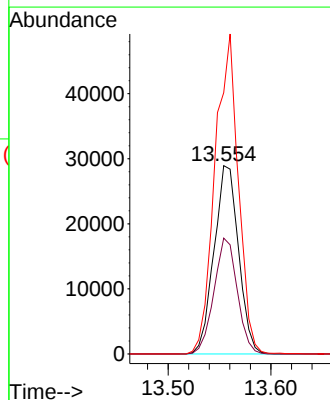
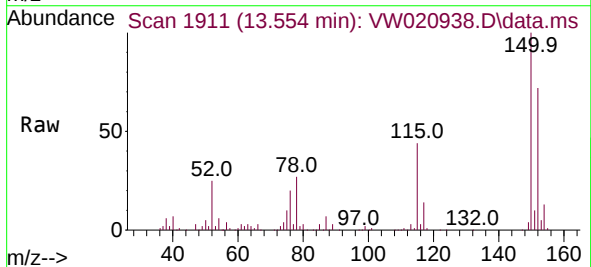
Instrument :
MSVOA_W
ClientSampleId :

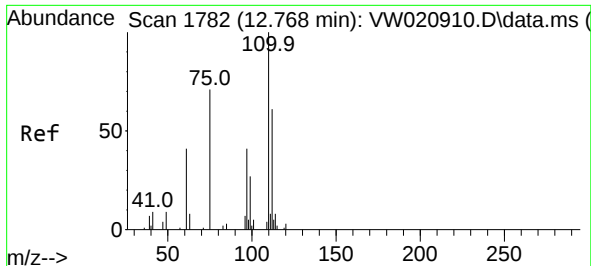
Tgt Ion:117 Resp: 97849
Ion Ratio Lower Upper
117 100
82 51.8 41.4 62.2
119 33.2 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Tgt Ion:152 Resp: 47868
Ion Ratio Lower Upper
152 100
115 58.5 27.8 83.3
150 162.3 0.0 348.4

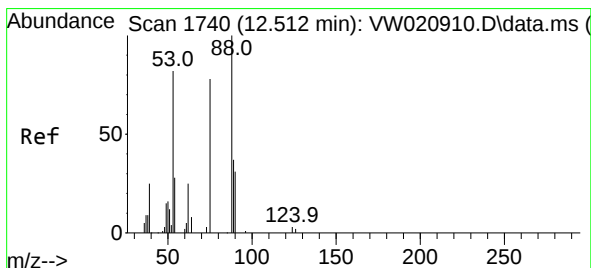
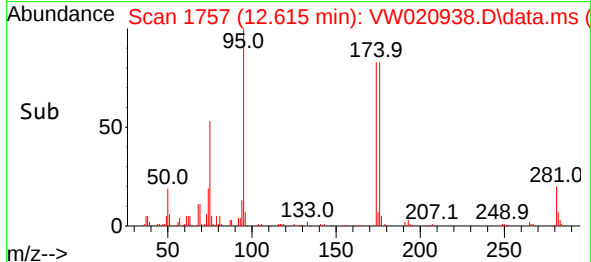
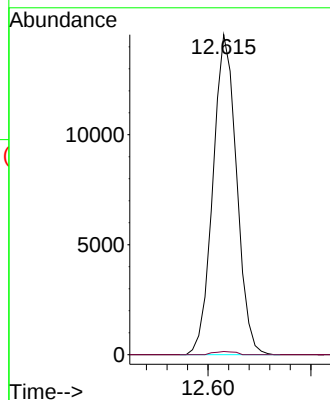
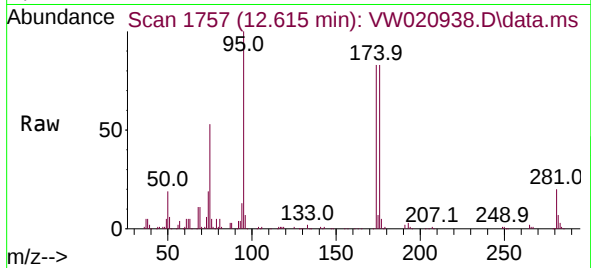




#76
1,2,3-Trichloropropane
Concen: 54.062 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.152 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 23251
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.171 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.104 min
Lab File: VW020938.D
Acq: 22 Nov 2021 15:48

Tgt Ion: 75 Resp: 23251
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 38.6 57.8#

