

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112221\
 Data File : VW020937.D
 Acq On : 22 Nov 2021 15:24
 Operator : SY/VA
 Sample : M4758-23RE
 Misc : 5.03g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 23 02:24:30 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)

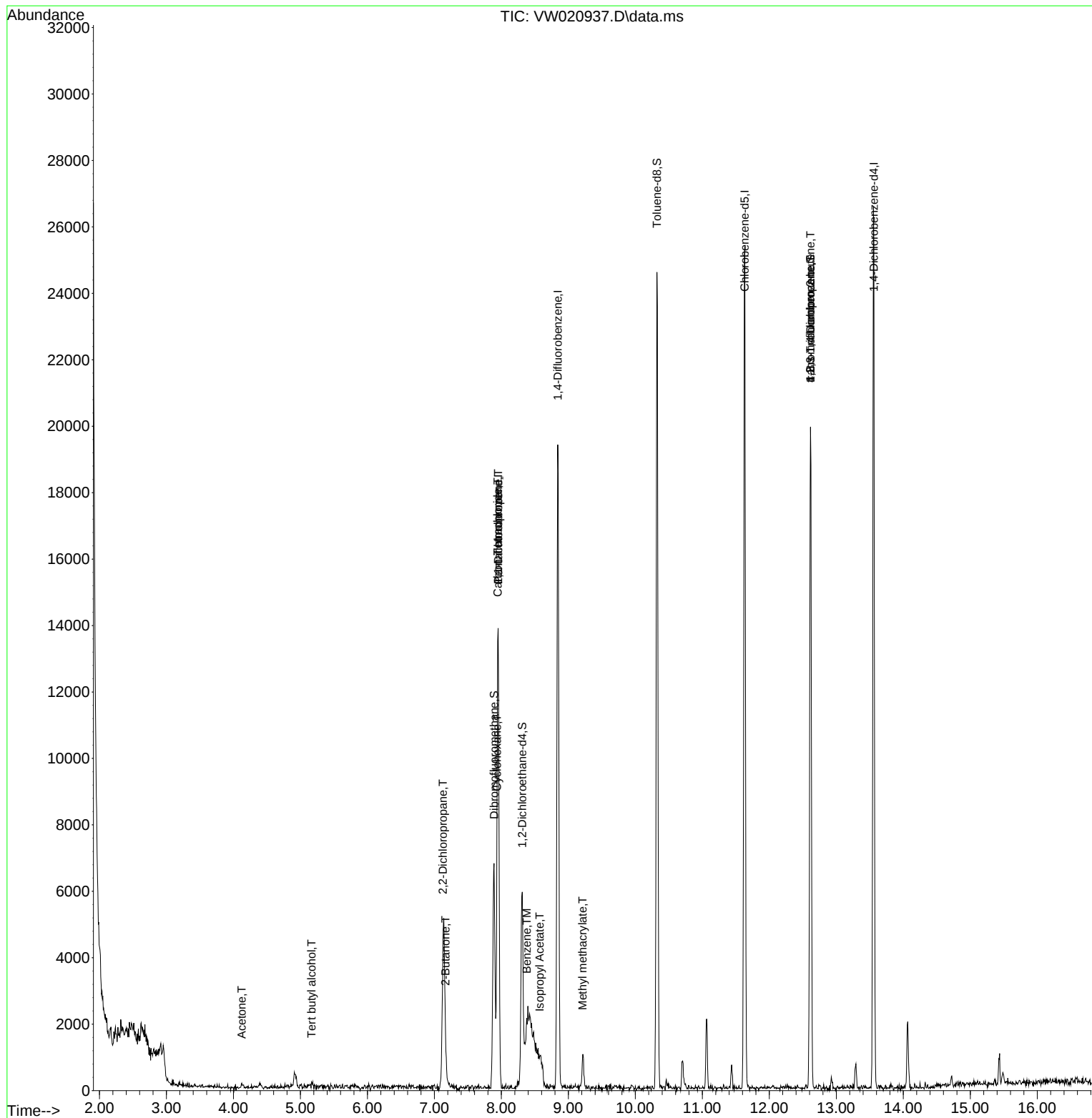
Internal Standards						
1) Pentafluorobenzene	7.951	168	11210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	16598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	14947	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	7021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	4648	44.762	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.520%
35) Dibromofluoromethane	7.891	113	4570	43.895	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.800%
50) Toluene-d8	10.323	98	16137	42.261	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.520%
62) 4-Bromofluorobenzene	12.615	95	5664	39.774	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.165	59	125	13.664	ug/l #	84
16) Acetone	4.123	43	176	8.154	ug/l #	44
20) Methylene Chloride	4.928	84	366	Below Cal	#	81
25) 2-Butanone	7.165	43	41	1.337	ug/l #	49
26) 2,2-Dichloropropane	7.128	77	319	2.518	ug/l #	52
31) Cyclohexane	7.933	56	187	1.080	ug/l #	51
36) 1,1-Dichloropropene	7.951	75	744	4.990	ug/l #	42
38) Carbon Tetrachloride	7.945	117	1003	6.323	ug/l #	15
40) Benzene	8.378	78	3011	7.082	ug/l	99
43) Isopropyl Acetate	8.573	43	198	1.483	ug/l #	52
48) Methyl methacrylate	9.213	41	338	5.692	ug/l #	19
76) 1,2,3-Trichloropropane	12.615	75	3191	50.585	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	3191	118.992	ug/l #	9

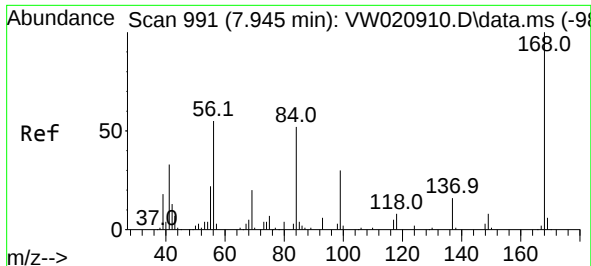
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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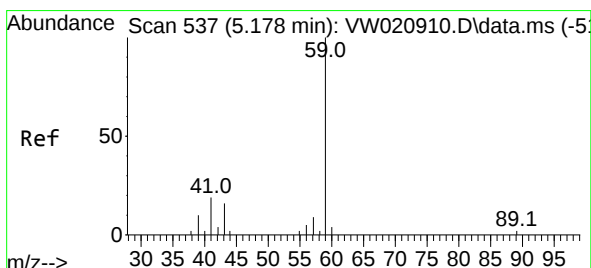
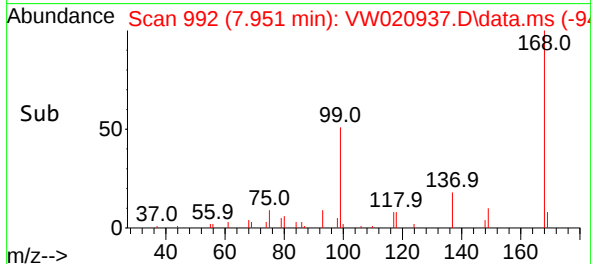
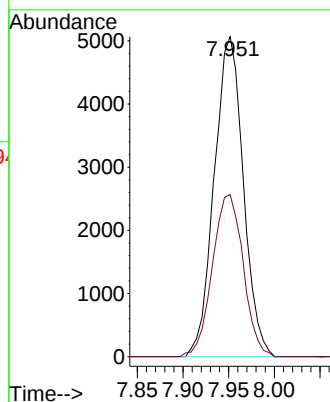
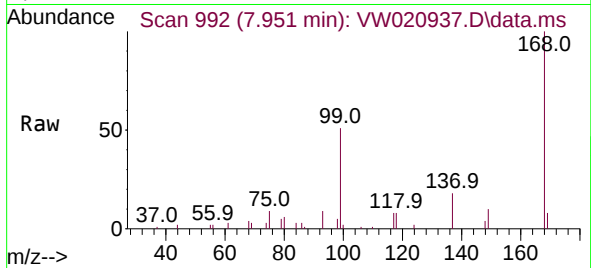




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.951 min Scan# 991
Delta R.T. 0.006 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

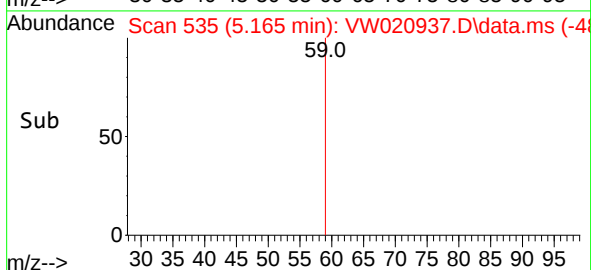
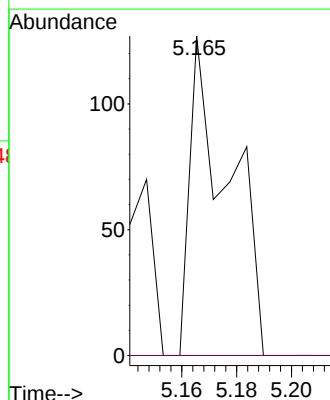
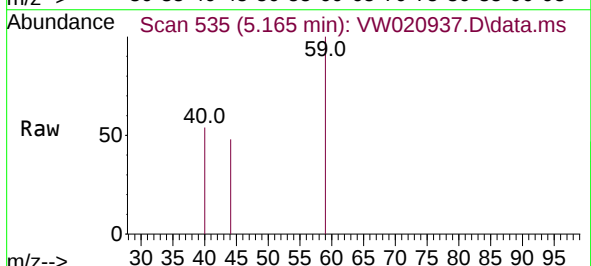
Instrument :
MSVOA_W
ClientSampleId :

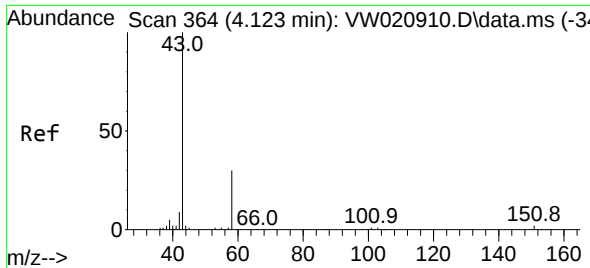
Tgt Ion:168 Resp: 11210
Ion Ratio Lower Upper
168 100
99 50.7 41.6 62.4



#11
Tert butyl alcohol
Concen: 13.664 ug/l
RT: 5.165 min Scan# 535
Delta R.T. -0.013 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

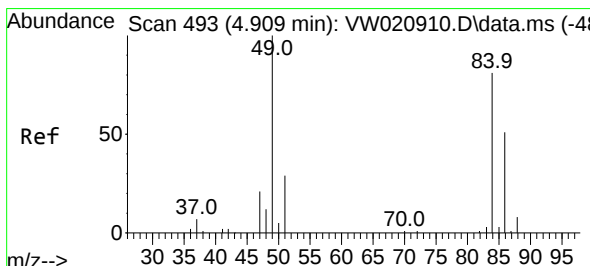
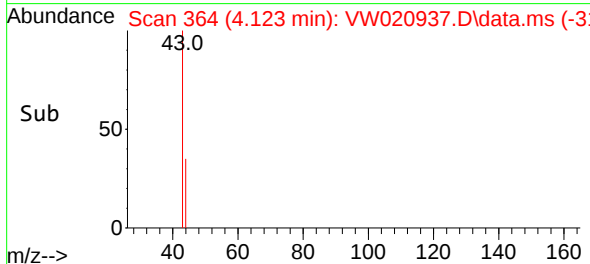
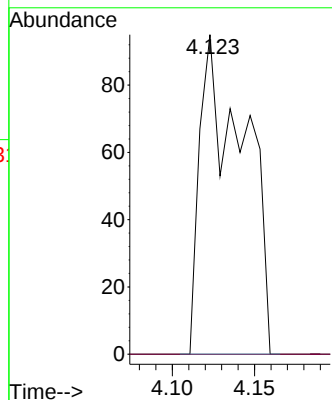
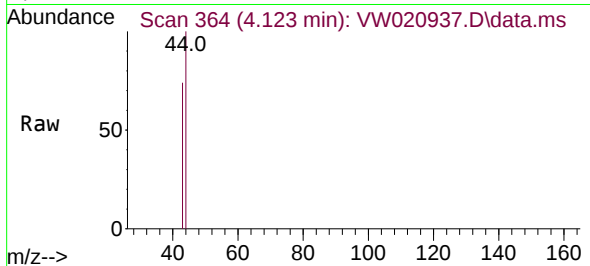




#16
Acetone
Concen: 8.154 ug/l
RT: 4.123 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

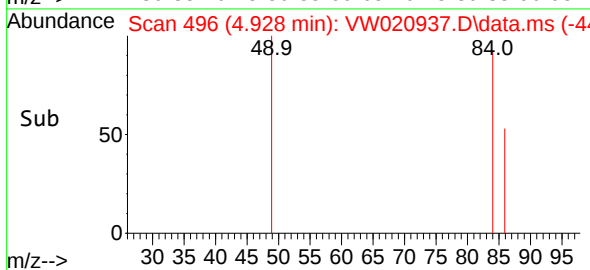
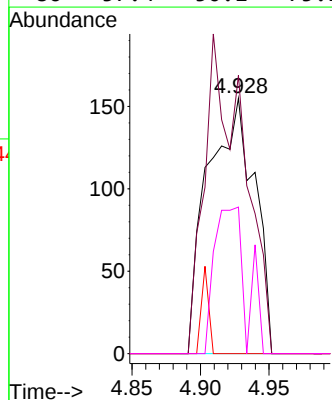
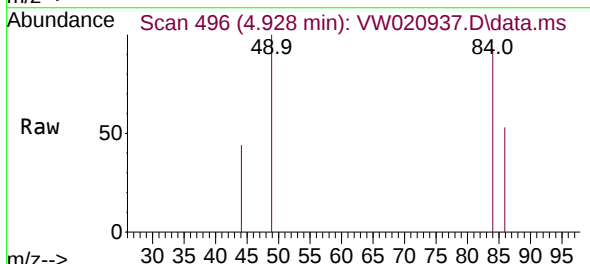
Instrument :
MSVOA_W
ClientSampleId :

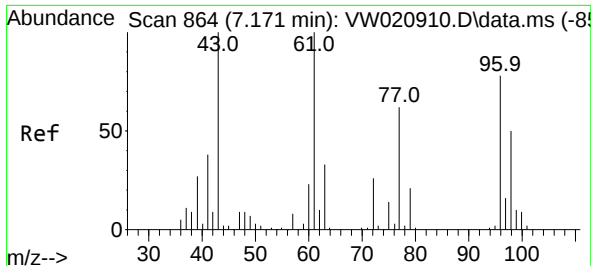
Tgt Ion: 43 Resp: 176
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.928 min Scan# 496
Delta R.T. 0.019 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

Tgt Ion: 84 Resp: 366
Ion Ratio Lower Upper
84 100
49 109.0 99.1 148.7
51 0.0 28.8 43.2#
86 57.4 50.1 75.1





#25

2-Butanone

Concen: 1.337 ug/l

RT: 7.165 min Scan# 8

Delta R.T. -0.006 min

Lab File: VW020937.D

Acq: 22 Nov 2021 15:24

Instrument :

MSVOA_W

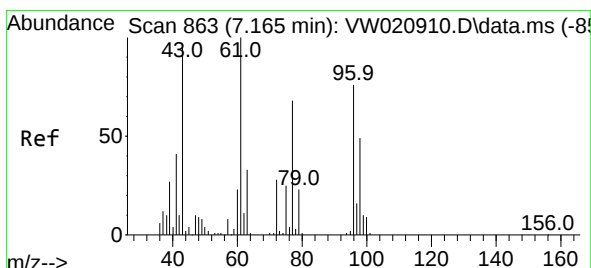
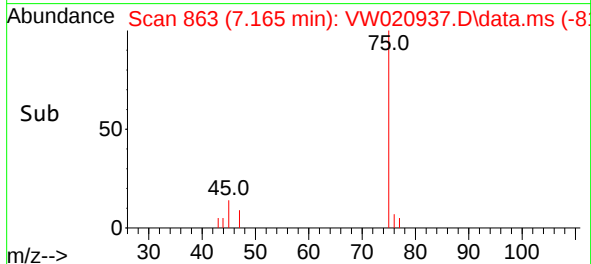
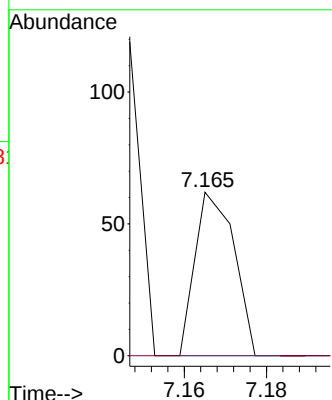
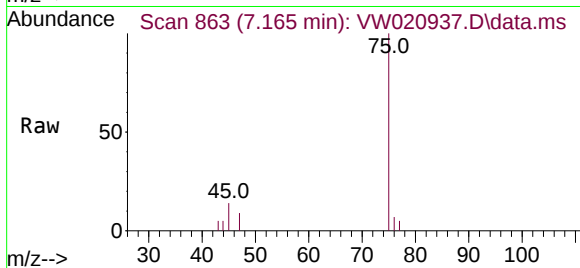
ClientSampleId :

Tgt Ion: 43 Resp: 41

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 2.518 ug/l

RT: 7.128 min Scan# 857

Delta R.T. -0.037 min

Lab File: VW020937.D

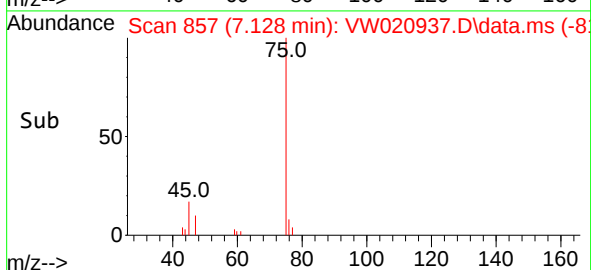
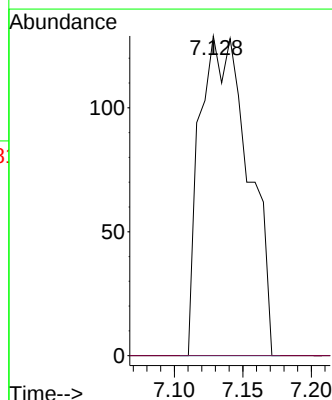
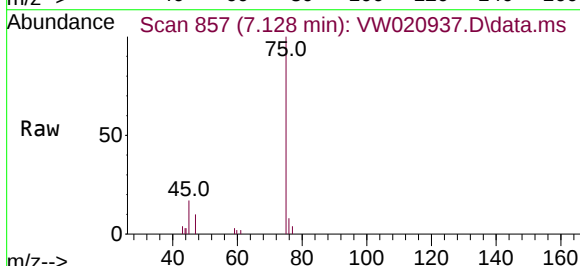
Acq: 22 Nov 2021 15:24

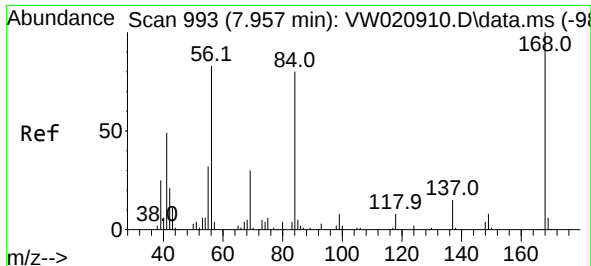
Tgt Ion: 77 Resp: 319

Ion Ratio Lower Upper

77 100

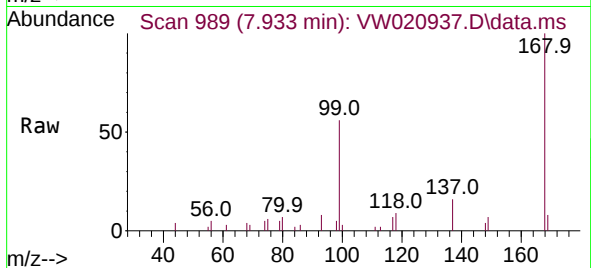
97 0.0 11.7 35.1#



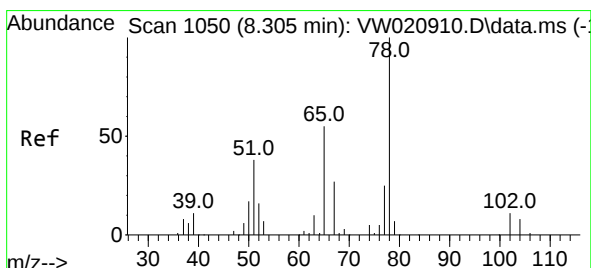
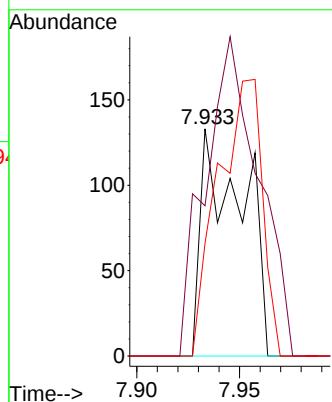
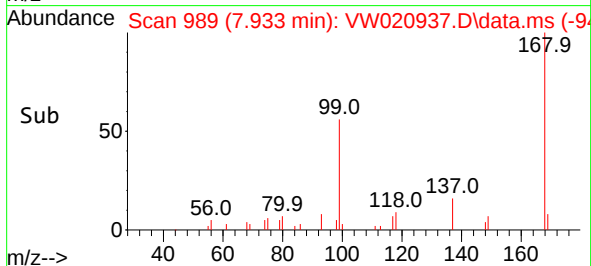


#31
Cyclohexane
Concen: 1.080 ug/l
RT: 7.933 min Scan# 91
Delta R.T. -0.024 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

Instrument :
MSVOA_W
ClientSampleId :

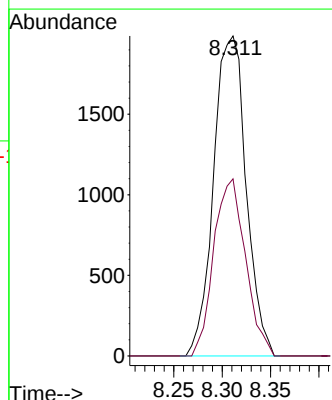
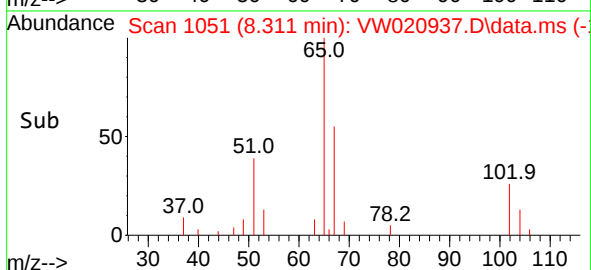
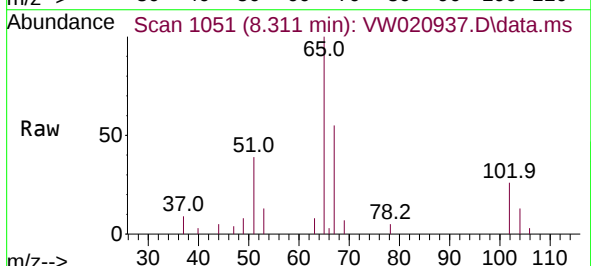


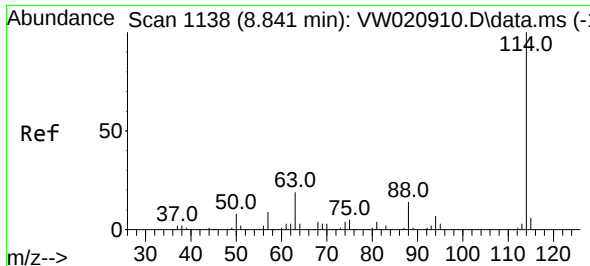
Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
69 66.2 28.7 43.1#
84 49.6 77.6 116.4#



#33
1,2-Dichloroethane-d4
Concen: 44.762 ug/l
RT: 8.311 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

Tgt Ion: 65 Resp: 4648
Ion Ratio Lower Upper
65 100
67 54.0 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: VW020937.D

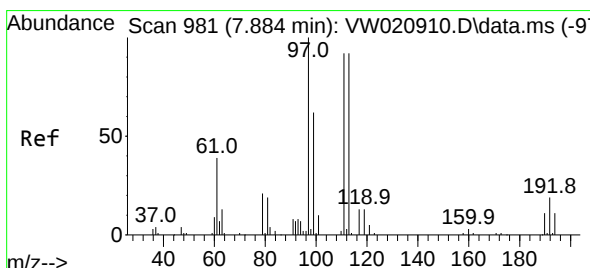
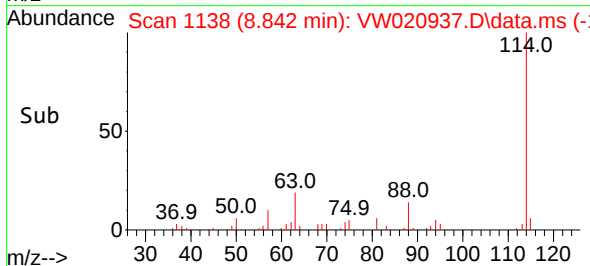
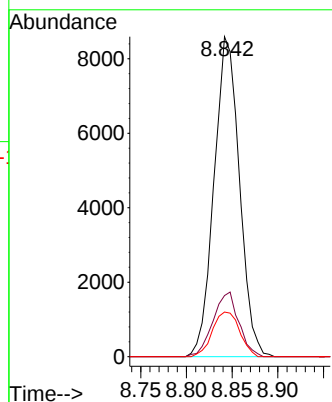
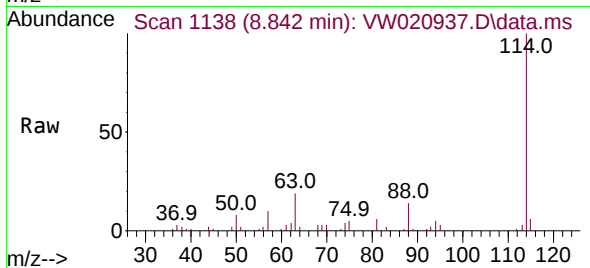
Acq: 22 Nov 2021 15:24

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:114	Resp:	16598
Ion Ratio	Lower	Upper
114	100	
63	19.1	0.0 37.2
88	13.9	0.0 28.8



#35

Dibromofluoromethane

Concen: 43.895 ug/l

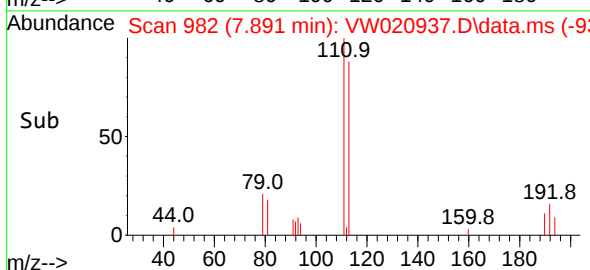
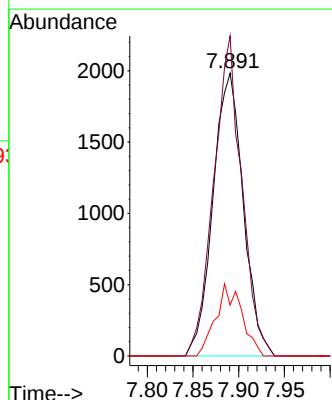
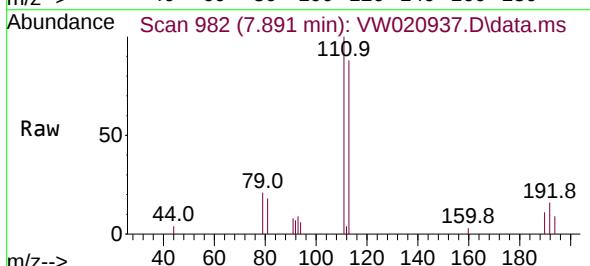
RT: 7.891 min Scan# 982

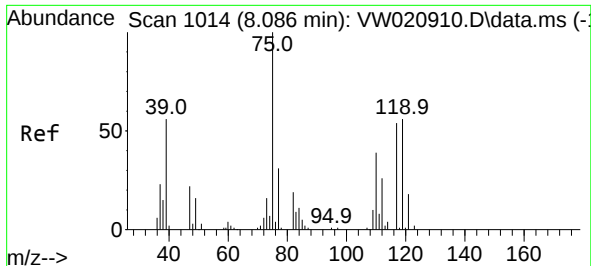
Delta R.T. 0.006 min

Lab File: VW020937.D

Acq: 22 Nov 2021 15:24

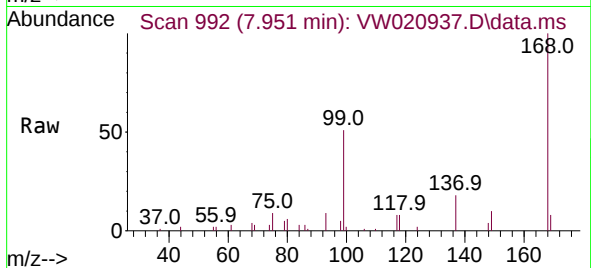
Tgt Ion:113	Resp:	4570
Ion Ratio	Lower	Upper
113	100	
111	104.4	81.2 121.8
192	21.8	16.8 25.2



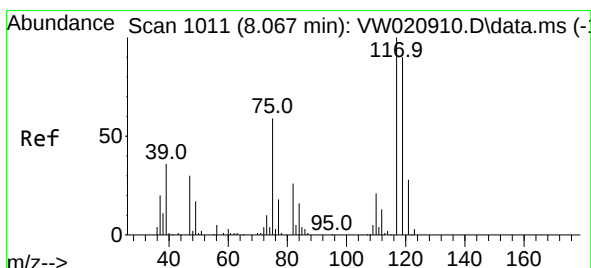
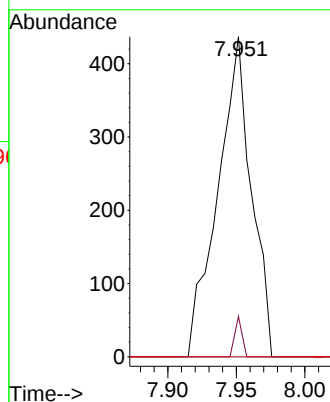
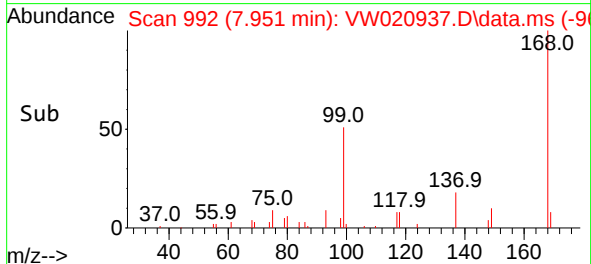


#36
1,1-Dichloropropene
Concen: 4.990 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.134 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

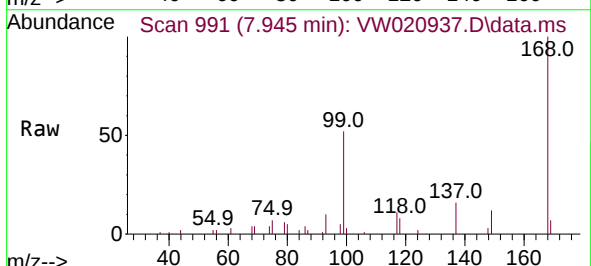
Instrument :
MSVOA_W
ClientSampleId :



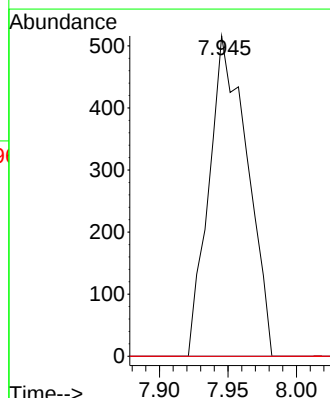
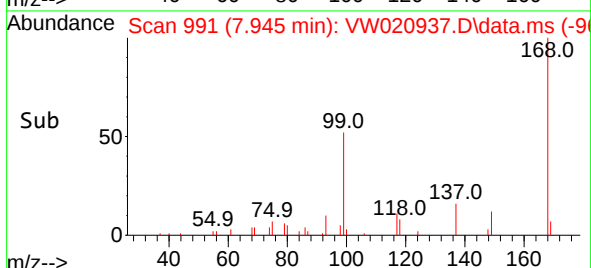
Tgt Ion: 75 Resp: 744
Ion Ratio Lower Upper
75 100
110 2.7 19.1 57.5#
77 0.0 24.8 37.2#

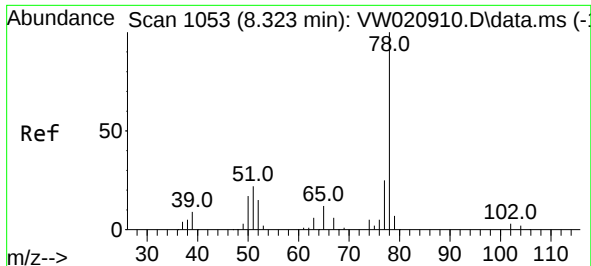


#38
Carbon Tetrachloride
Concen: 6.323 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.122 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24



Tgt Ion: 117 Resp: 1003
Ion Ratio Lower Upper
117 100
119 0.0 72.0 108.0#
121 0.0 22.6 33.8#

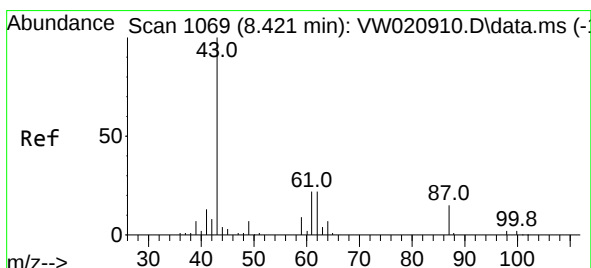
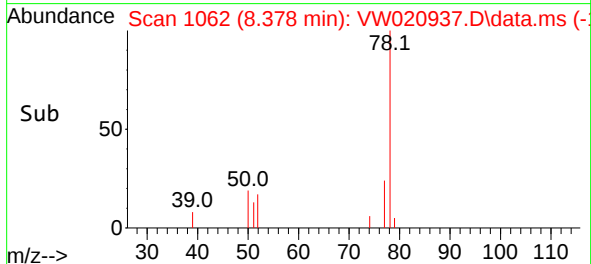
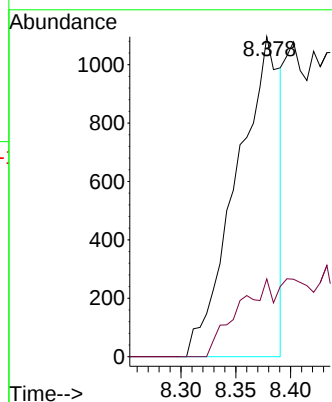
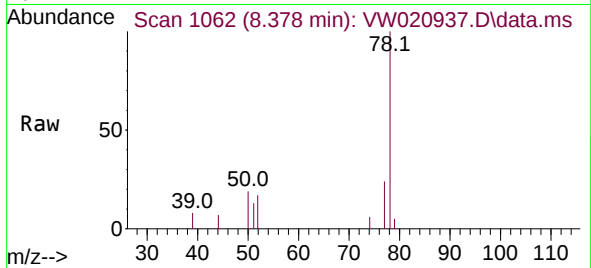




#40
Benzene
Concen: 7.082 ug/l
RT: 8.378 min Scan# 1062
Delta R.T. 0.055 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

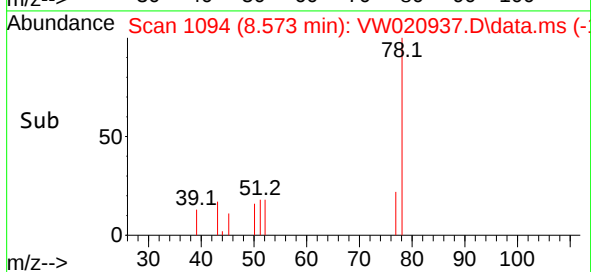
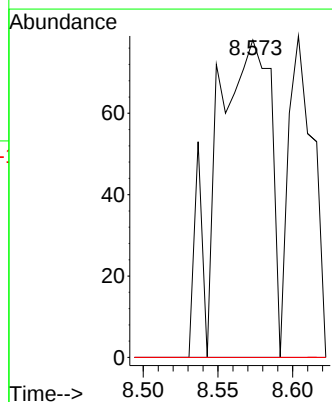
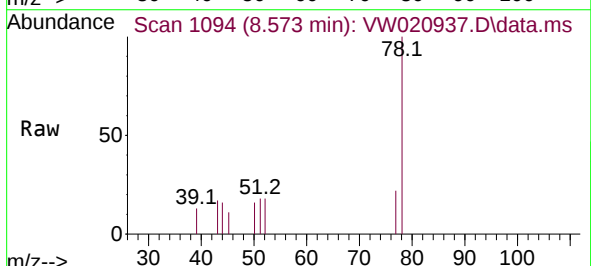
Instrument :
MSVOA_W
ClientSampleId :

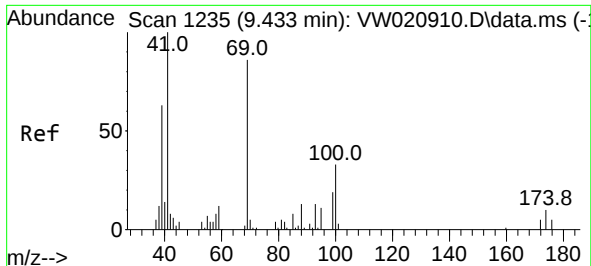
Tgt Ion: 78 Resp: 3011
Ion Ratio Lower Upper
78 100
77 24.3 20.0 30.0



#43
Isopropyl Acetate
Concen: 1.483 ug/l
RT: 8.573 min Scan# 1094
Delta R.T. 0.152 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

Tgt Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
61 0.0 23.7 35.5#
87 0.0 11.5 17.3#





#48

Methyl methacrylate

Concen: 5.692 ug/l

RT: 9.213 min Scan# 1199

Delta R.T. -0.219 min

Lab File: VW020937.D

Acq: 22 Nov 2021 15:24

Instrument :

MSVOA_W

ClientSampleId :

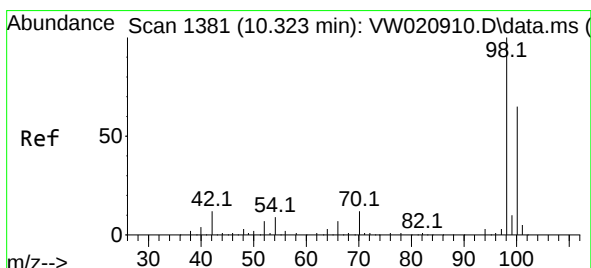
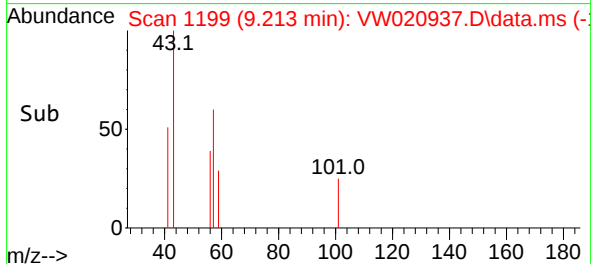
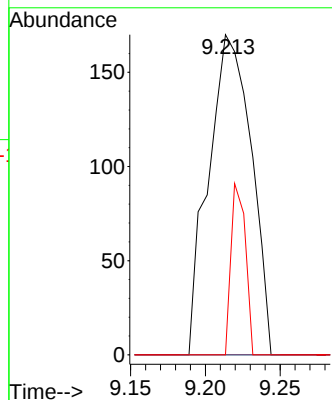
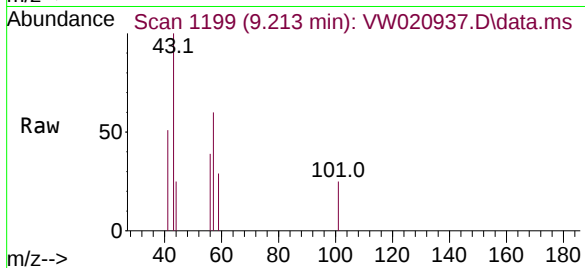
Tgt Ion: 41 Resp: 338

Ion Ratio Lower Upper

41 100

69 0.0 72.9 109.3#

39 18.0 54.2 81.4#



#50

Toluene-d8

Concen: 42.261 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VW020937.D

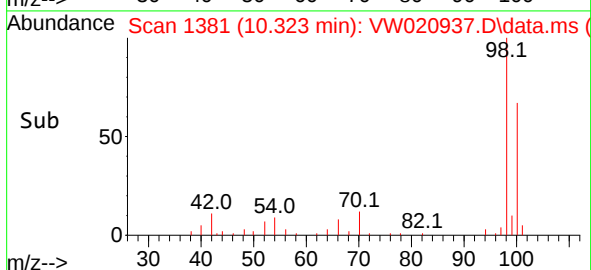
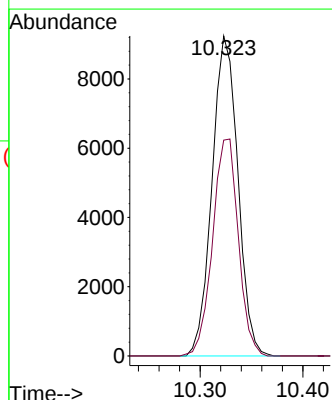
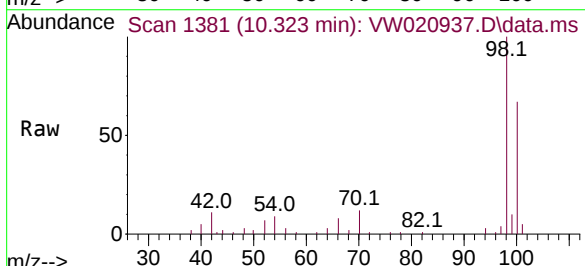
Acq: 22 Nov 2021 15:24

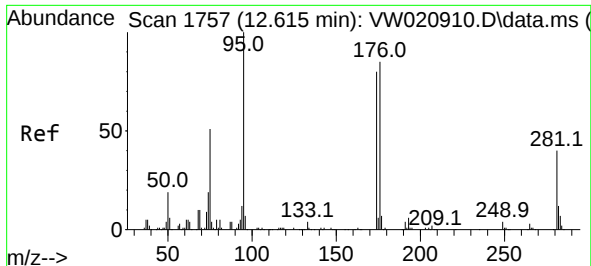
Tgt Ion: 98 Resp: 16137

Ion Ratio Lower Upper

98 100

100 67.6 52.6 79.0

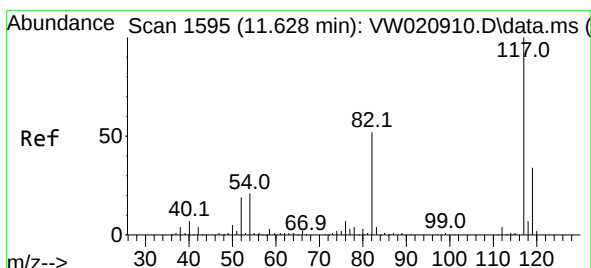
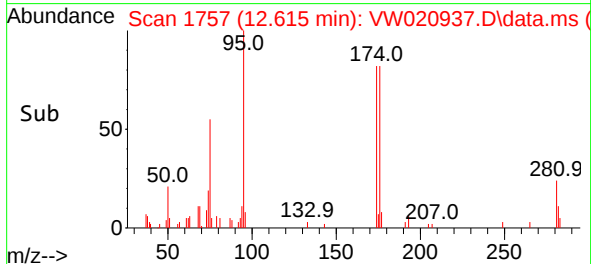
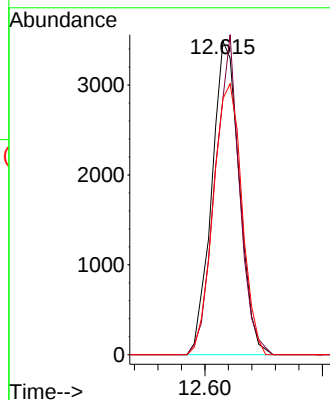
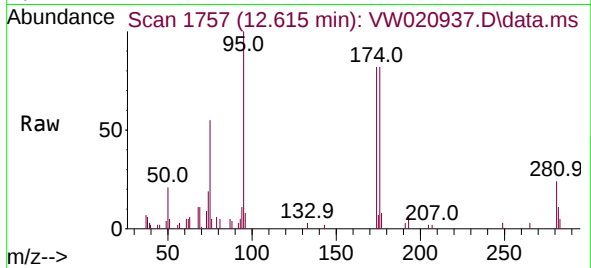




#62
4-Bromofluorobenzene
Concen: 39.774 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

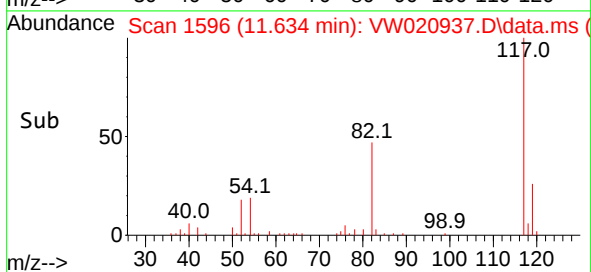
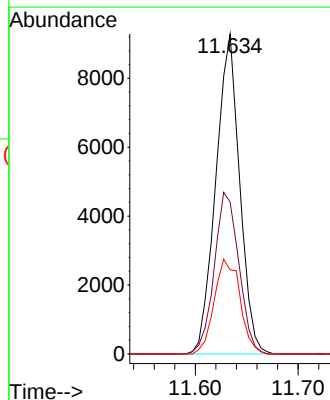
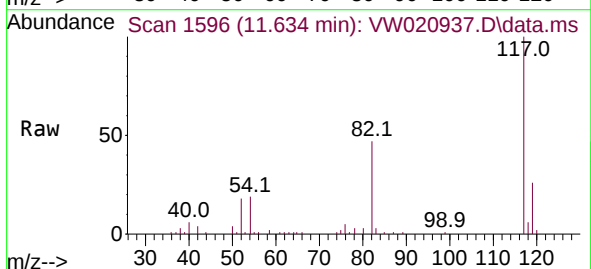
Instrument :
MSVOA_W
ClientSampleId :

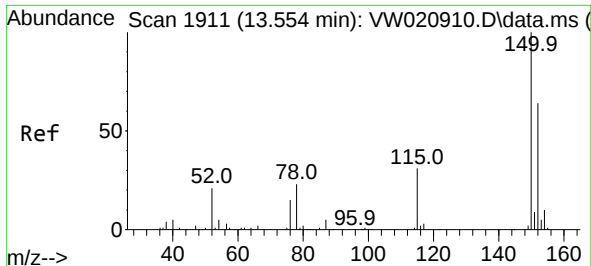
Tgt Ion: 95 Resp: 5664
Ion Ratio Lower Upper
95 100
174 90.6 0.0 171.2
176 90.0 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. 0.006 min
Lab File: VW020937.D
Acq: 22 Nov 2021 15:24

Tgt Ion: 117 Resp: 14947
Ion Ratio Lower Upper
117 100
82 47.5 41.4 62.2
119 26.3 27.2 40.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.560 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VW020937.D

Acq: 22 Nov 2021 15:24

Instrument :

MSVOA_W

ClientSampleId :

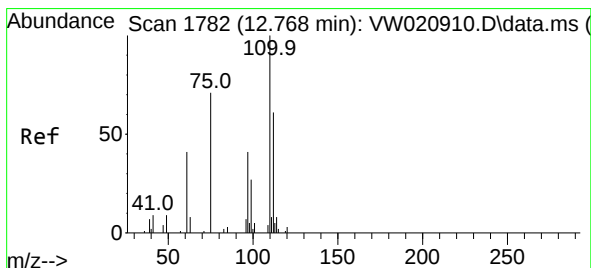
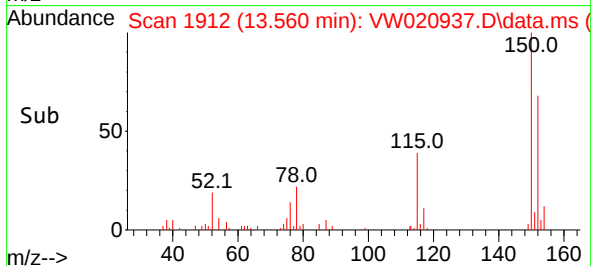
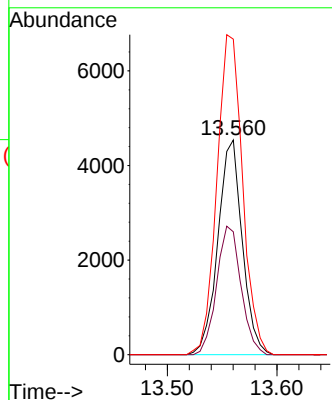
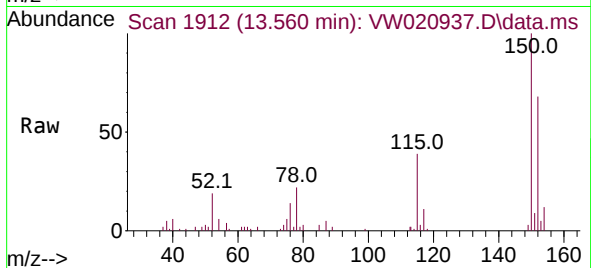
Tgt Ion:152 Resp: 7021

Ion Ratio Lower Upper

152 100

115 59.8 27.8 83.3

150 157.1 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 50.585 ug/l

RT: 12.615 min Scan# 1757

Delta R.T. -0.152 min

Lab File: VW020937.D

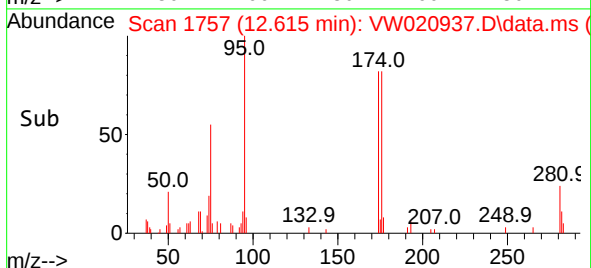
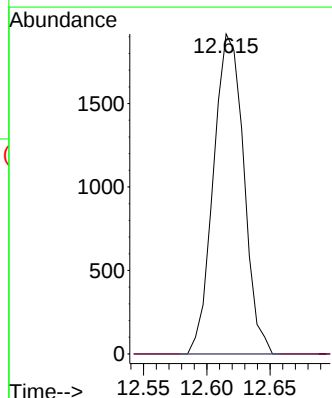
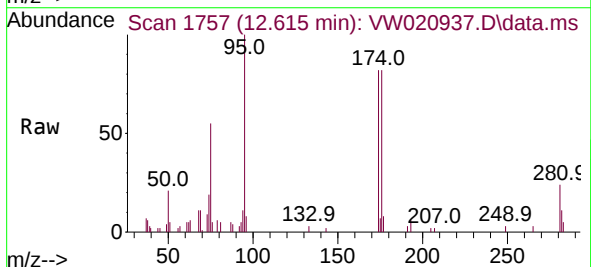
Acq: 22 Nov 2021 15:24

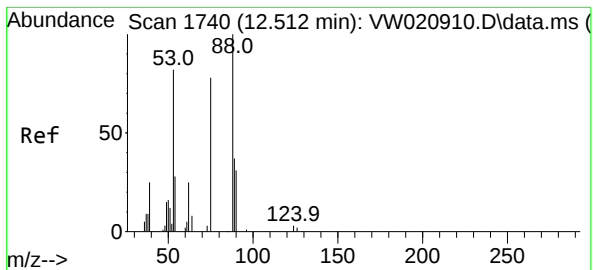
Tgt Ion: 75 Resp: 3191

Ion Ratio Lower Upper

75 100

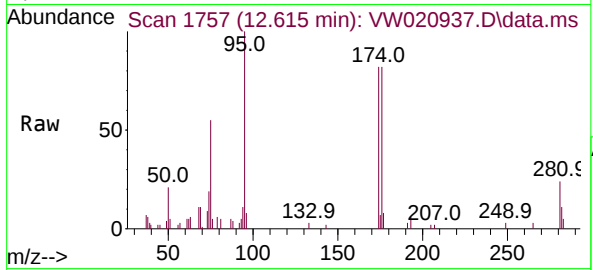
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.992 ug/l
 RT: 12.615 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW020937.D
 Acq: 22 Nov 2021 15:24

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	75	Resp:	3191
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.8	122.8#
89	0.0	38.6	57.8#

