

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045938.D
 Acq On : 23 Nov 2021 01:23
 Operator : SY/MD
 Sample : M4775-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-12I-20211118

Quant Time: Nov 23 06:50:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

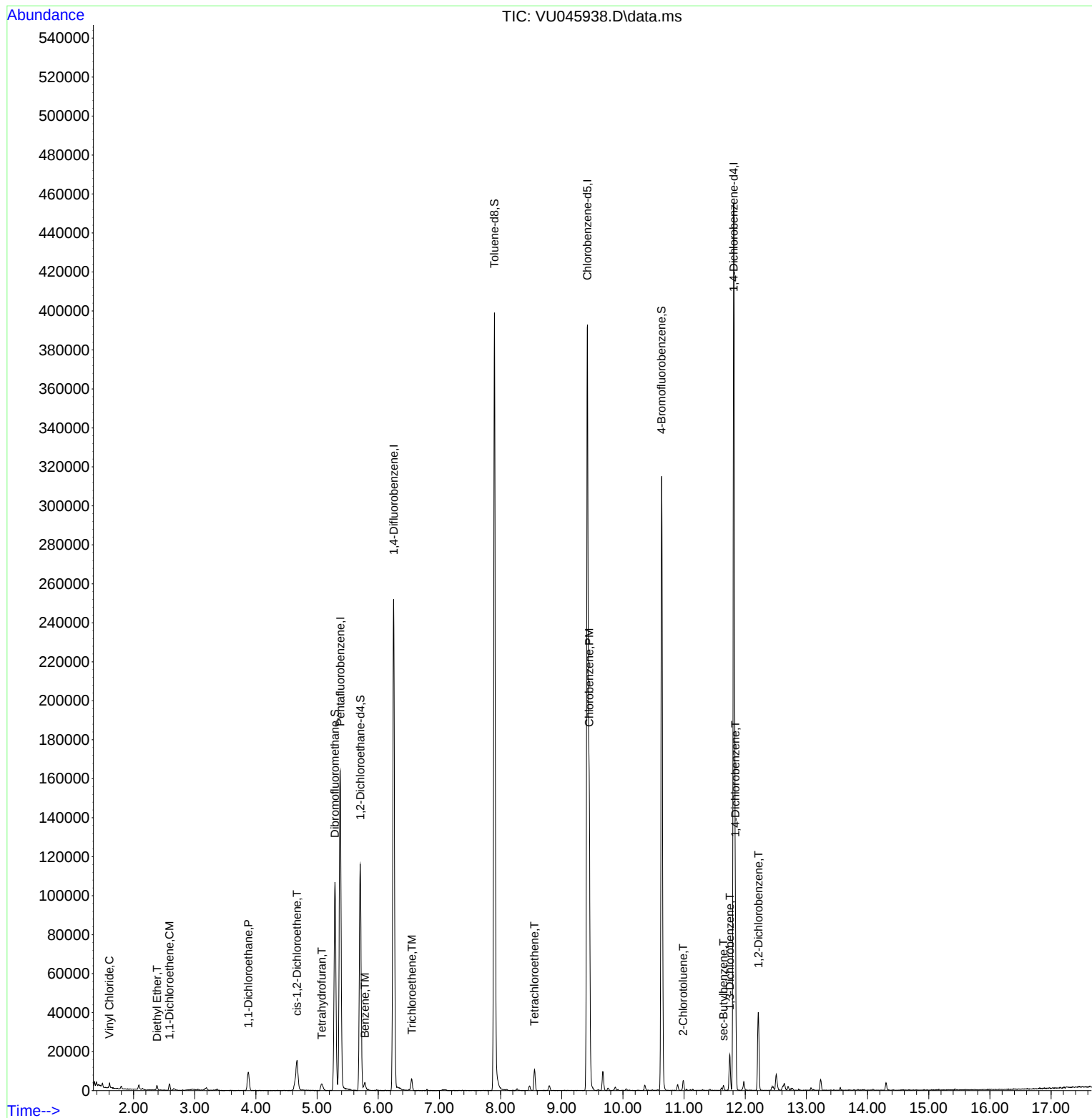
Internal Standards						
1) Pentafluorobenzene	5.378	168	114144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	207903	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	219674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	115800	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	86932	50.85	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.70%
35) Dibromofluoromethane	5.292	113	69039	49.74	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.48%
50) Toluene-d8	7.899	98	272178	52.73	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.46%
62) 4-Bromofluorobenzene	10.632	95	109709	53.01	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.02%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.607	62	1791	1.09	ug/l	96
8) Diethyl Ether	2.385	74	731	0.85	ug/l	77
12) 1,1-Dichloroethene	2.587	96	1265	1.01	ug/l	83
24) 1,1-Dichloroethane	3.877	63	11415	4.35	ug/l	98
27) cis-1,2-Dichloroethene	4.671	96	6846	4.46	ug/l	90
29) Tetrahydrofuran	5.076	42	3008	4.07	ug/l #	76
40) Benzene	5.783	78	3638	0.61	ug/l	99
44) Trichloroethene	6.549	130	2051	1.43	ug/l	91
64) Tetrachloroethene	8.552	164	2487	1.97	ug/l	92
65) Chlorobenzene	9.449	112	81233	18.83	ug/l	99
79) 2-Chlorotoluene	10.986	91	3281	0.59	ug/l	98
85) sec-Butylbenzene	11.645	105	1870	0.22	ug/l	88
87) 1,3-Dichlorobenzene	11.748	146	7914	2.14	ug/l	98
88) 1,4-Dichlorobenzene	11.838	146	31376	8.37	ug/l	97
91) 1,2-Dichlorobenzene	12.214	146	16755	4.65	ug/l	98

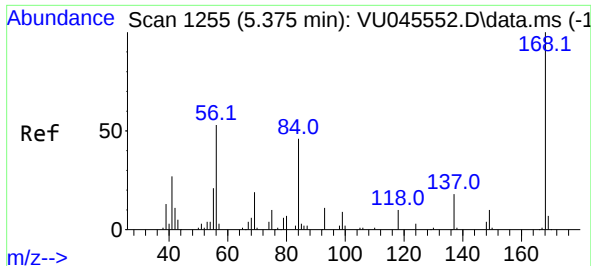
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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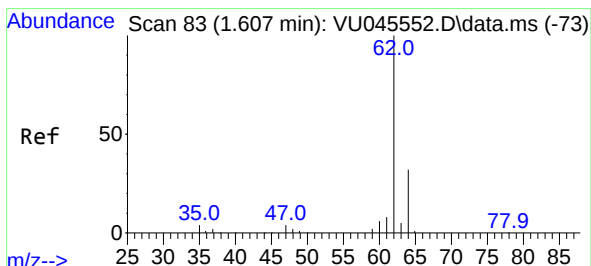
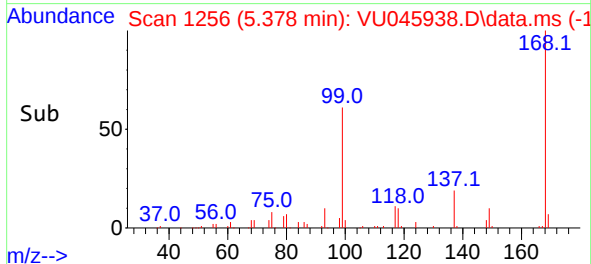
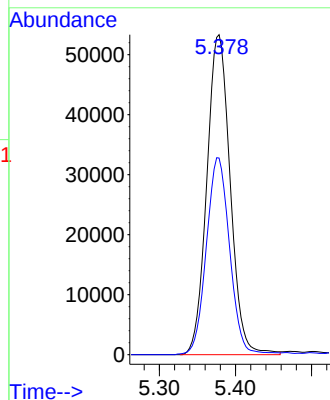
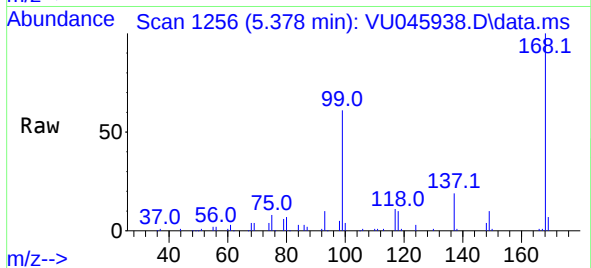




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

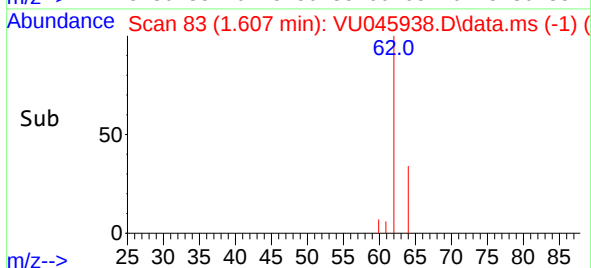
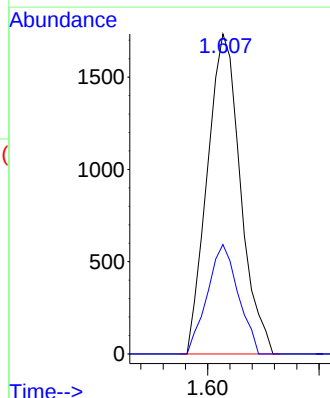
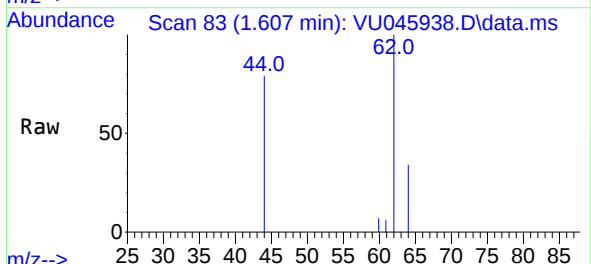
Instrument :
MSVOA_U
ClientSampleId :
RW-121-20211118

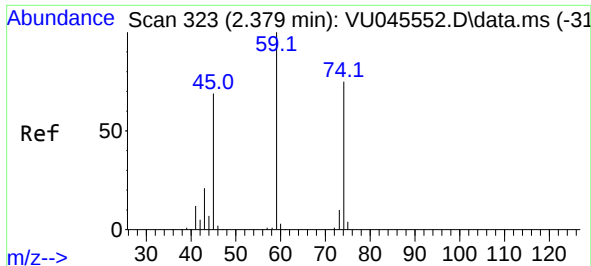
Tgt Ion:168 Resp: 114144
Ion Ratio Lower Upper
168 100
99 61.2 51.0 76.6



#4
Vinyl Chloride
Concen: 1.09 ug/l
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

Tgt Ion: 62 Resp: 1791
Ion Ratio Lower Upper
62 100
64 34.2 25.8 38.6

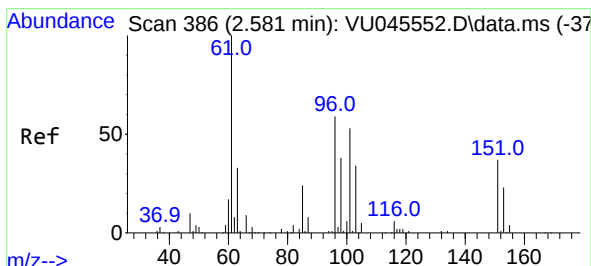
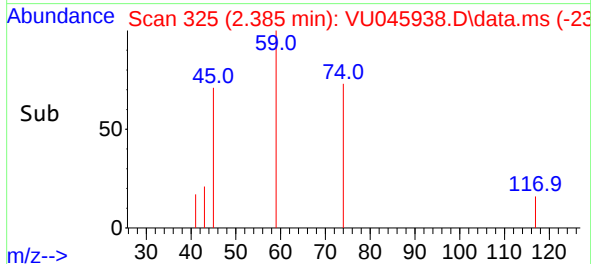
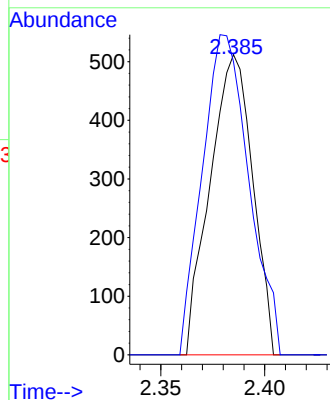
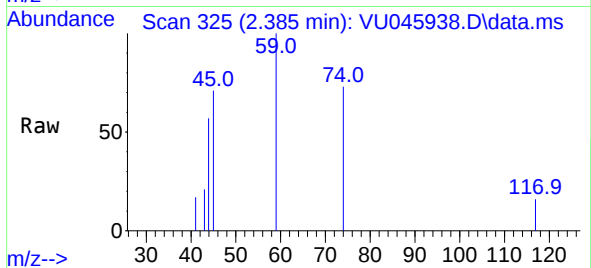




#8
Diethyl Ether
Concen: 0.85 ug/l
RT: 2.385 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

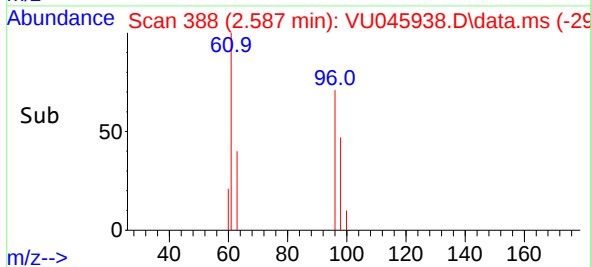
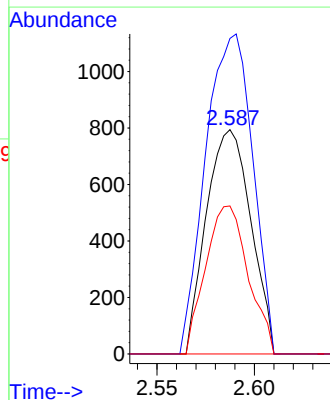
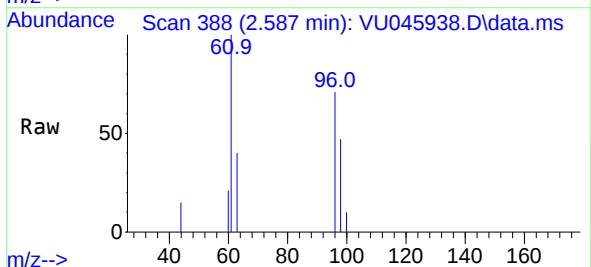
Instrument :
MSVOA_U
ClientSampleId :
RW-121-20211118

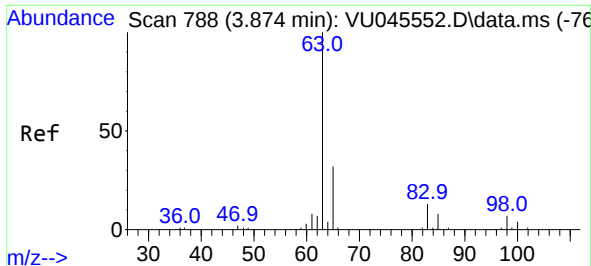
Tgt Ion: 74 Resp: 731
Ion Ratio Lower Upper
74 100
45 116.7 47.3 141.8



#12
1,1-Dichloroethene
Concen: 1.01 ug/l
RT: 2.587 min Scan# 388
Delta R.T. 0.006 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

Tgt Ion: 96 Resp: 1265
Ion Ratio Lower Upper
96 100
61 140.7 137.1 205.7
98 66.0 51.5 77.3

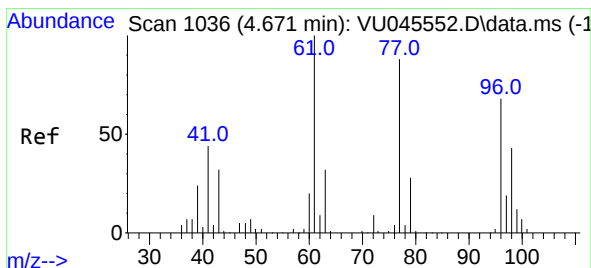
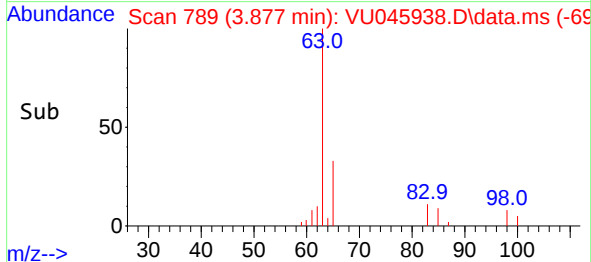
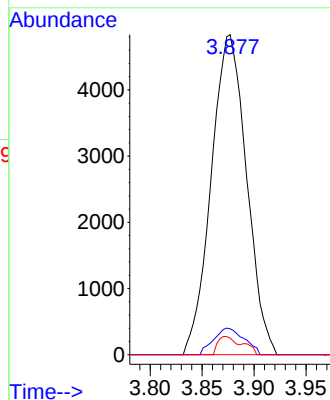
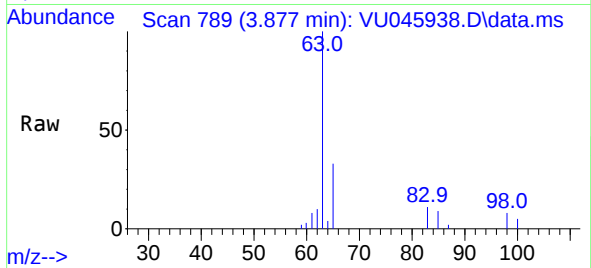




#24
1,1-Dichloroethane
Concen: 4.35 ug/l
RT: 3.877 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

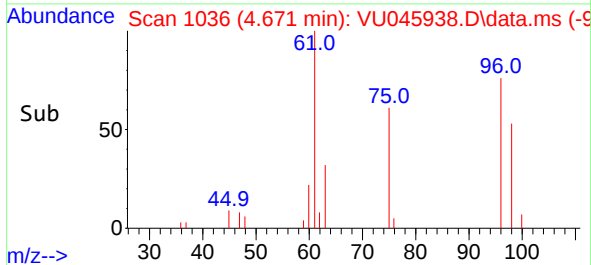
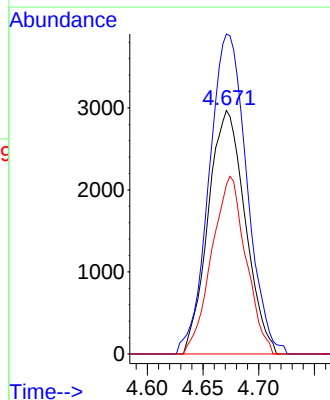
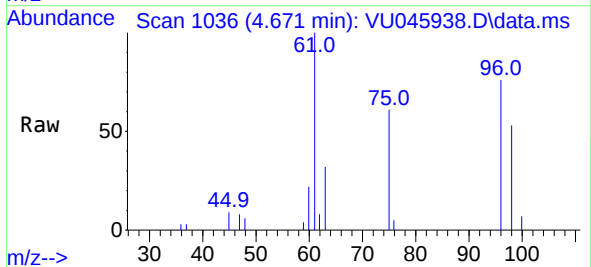
Instrument :
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RW-121-20211118

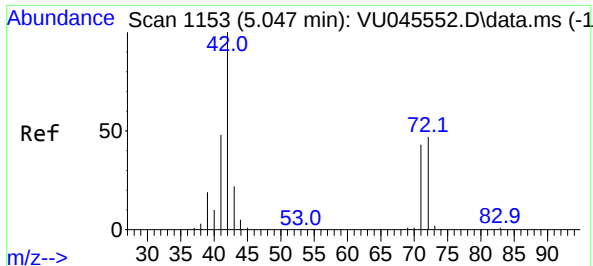
Tgt Ion: 63 Resp: 11415
Ion Ratio Lower Upper
63 100
98 8.1 3.5 10.6
100 5.2 2.4 7.2



#27
cis-1,2-Dichloroethene
Concen: 4.46 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

Tgt Ion: 96 Resp: 6846
Ion Ratio Lower Upper
96 100
61 134.2 0.0 299.2
98 67.5 0.0 127.6

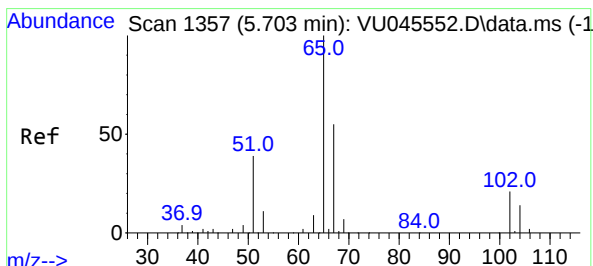
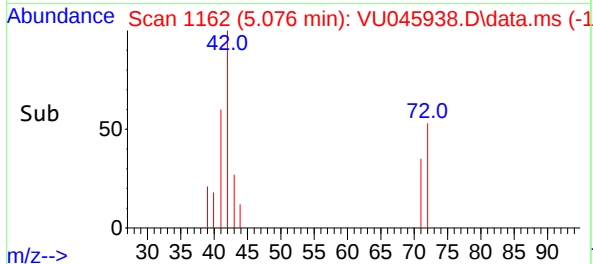
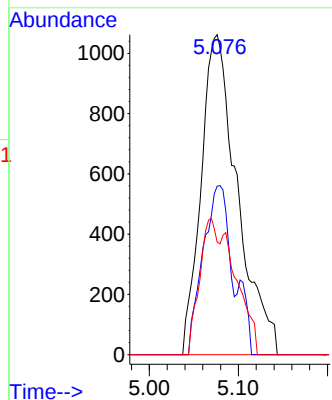
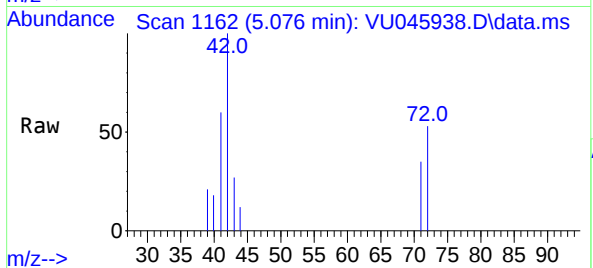




#29
Tetrahydrofuran
Concen: 4.07 ug/l
RT: 5.076 min Scan# 1153
Delta R.T. 0.029 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

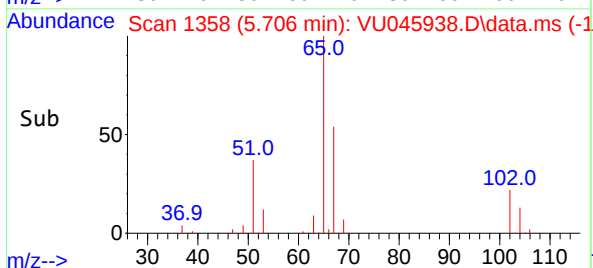
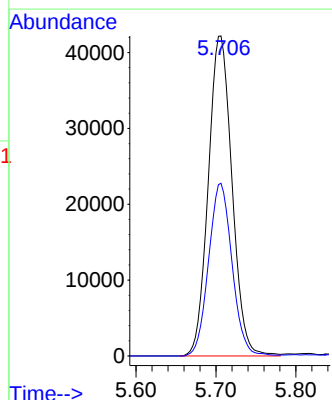
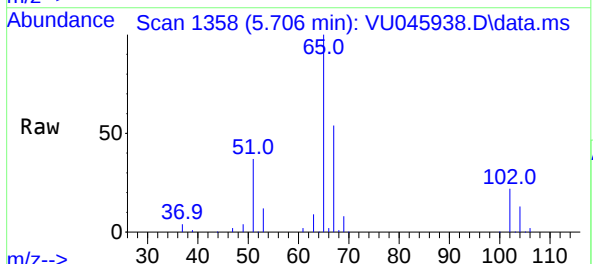
Instrument :
MSVOA_U
ClientSampleId :
RW-121-20211118

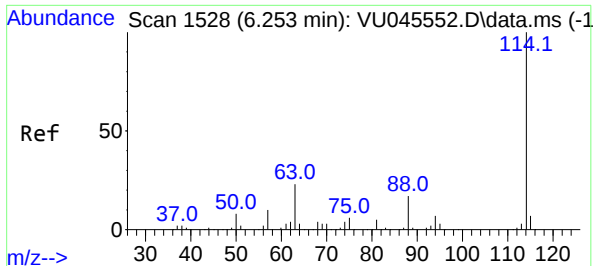
Tgt Ion:	42	Resp:	3008
Ion	Ratio	Lower	Upper
42	100		
72	37.7	38.2	57.4#
71	22.6	35.4	53.2#



#33
1,2-Dichloroethane-d4
Concen: 50.85 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.003 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

Tgt Ion:	65	Resp:	86932
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8

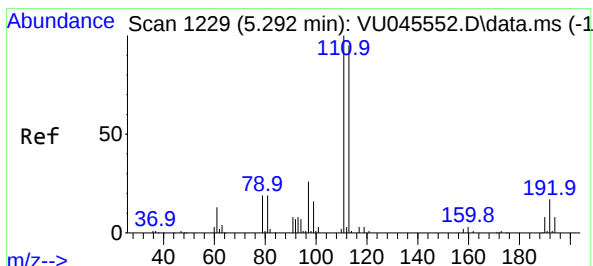
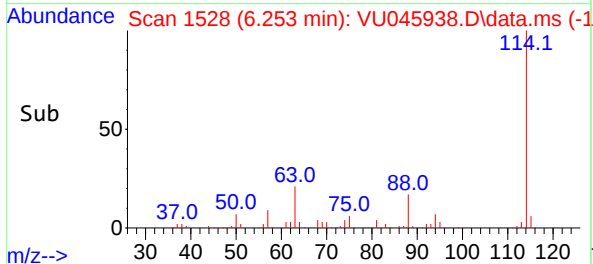
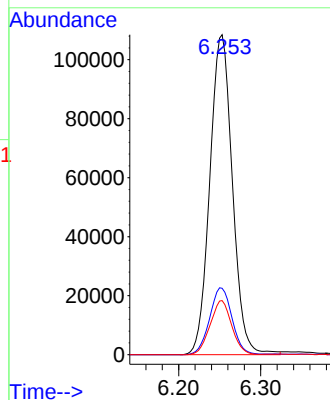
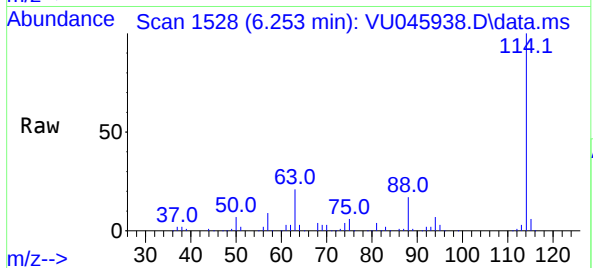




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

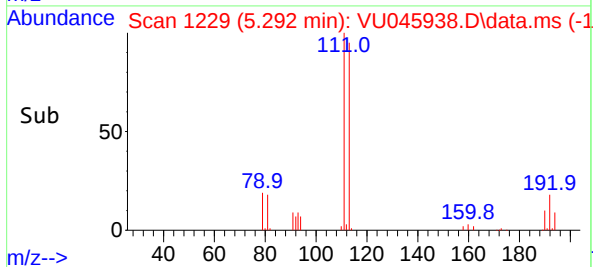
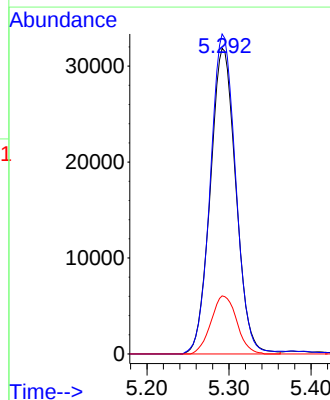
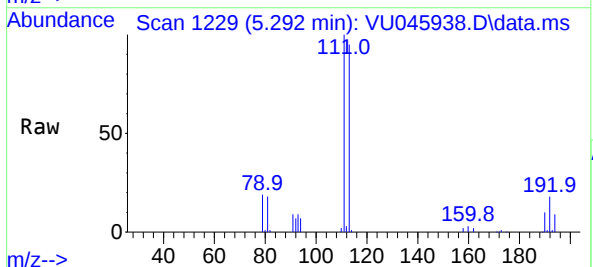
Instrument :
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ClientSampleId :
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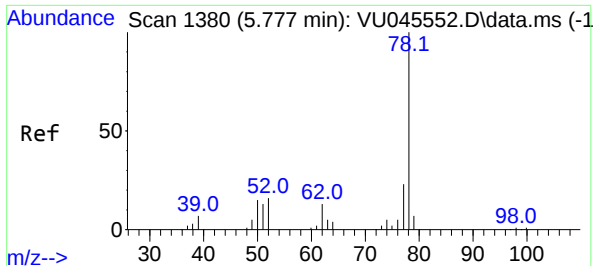
Tgt Ion:114 Resp: 207903
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.6
88 16.9 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.74 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

Tgt Ion:113 Resp: 69039
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 19.1 14.8 22.2





#40

Benzene

Concen: 0.61 ug/l

RT: 5.783 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU045938.D

Acq: 23 Nov 2021 01:23

Instrument :

MSVOA_U

ClientSampleId :

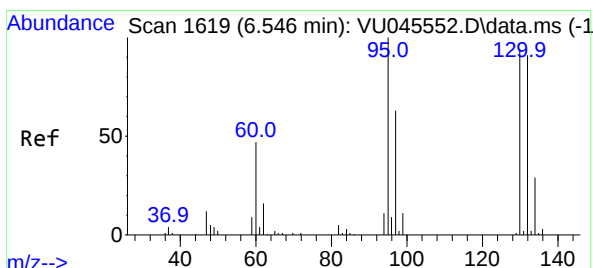
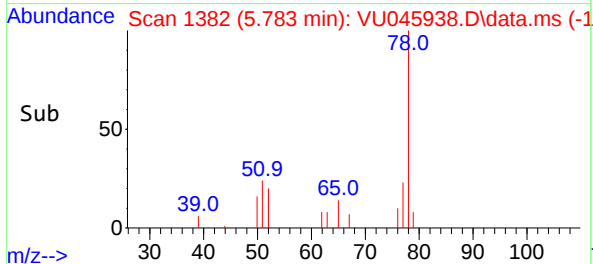
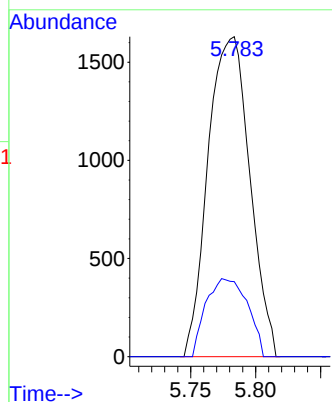
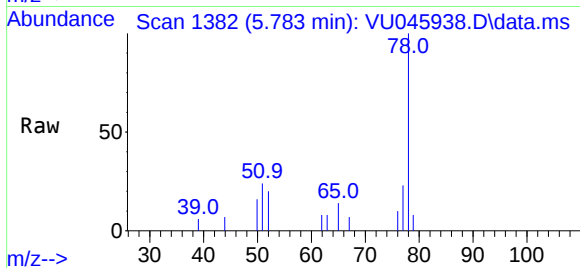
RW-12I-20211118

Tgt Ion: 78 Resp: 3638

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.4



#44

Trichloroethene

Concen: 1.43 ug/l

RT: 6.549 min Scan# 1620

Delta R.T. 0.003 min

Lab File: VU045938.D

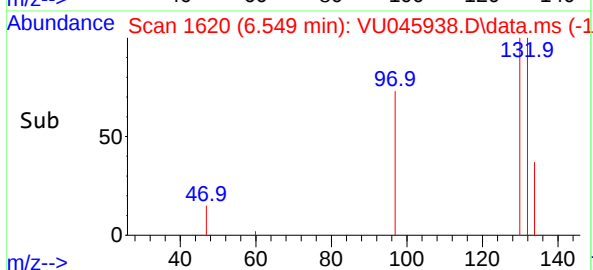
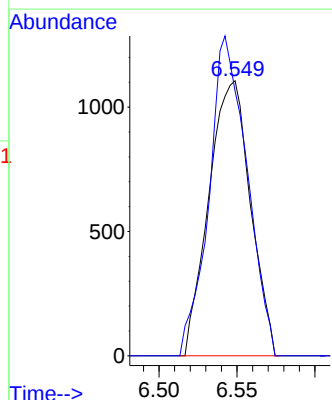
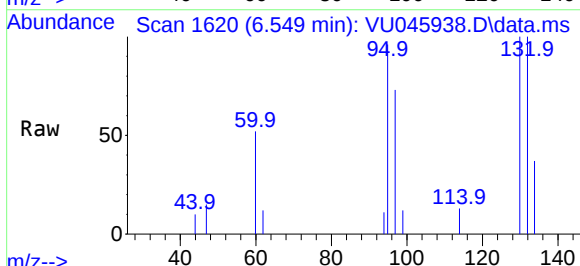
Acq: 23 Nov 2021 01:23

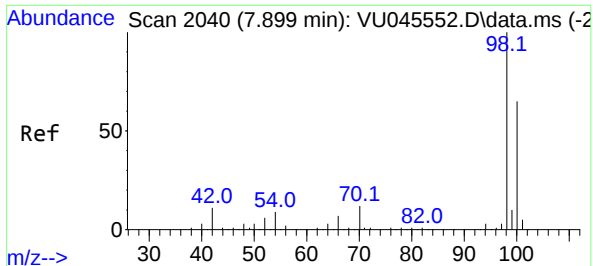
Tgt Ion: 130 Resp: 2051

Ion Ratio Lower Upper

130 100

95 96.3 0.0 211.4

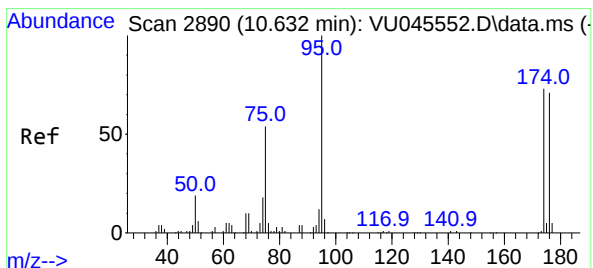
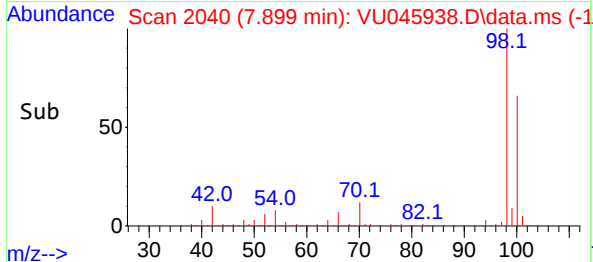
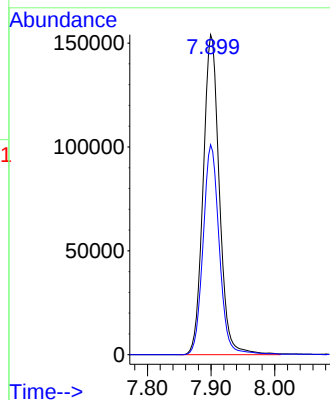
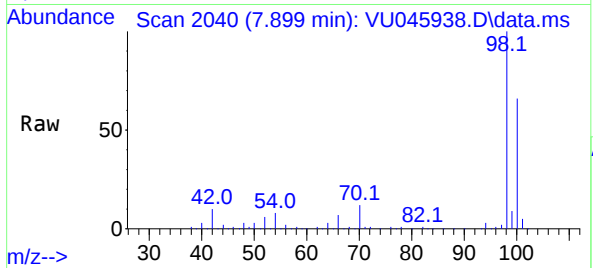




#50
Toluene-d8
Concen: 52.73 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

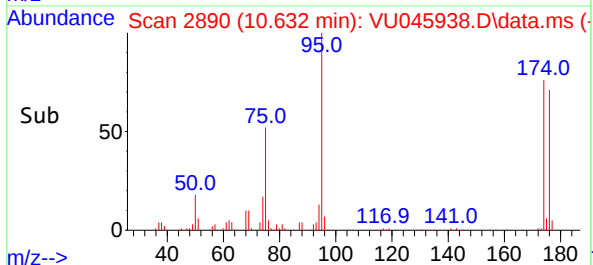
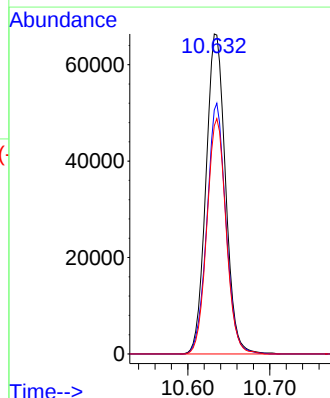
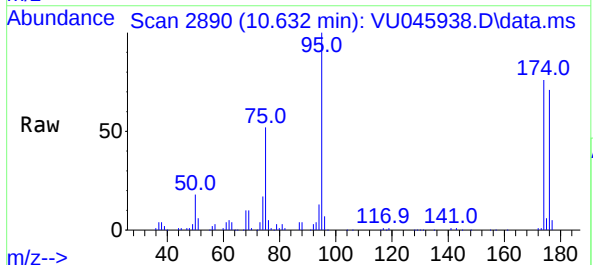
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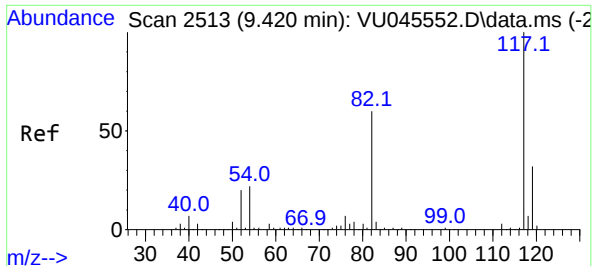
Tgt Ion: 98 Resp: 272178
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 53.01 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

Tgt Ion: 95 Resp: 109709
Ion Ratio Lower Upper
95 100
174 76.1 0.0 141.8
176 72.2 0.0 138.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.420 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU045938.D

Acq: 23 Nov 2021 01:23

Instrument :

MSVOA_U

ClientSampleId :

RW-12I-20211118

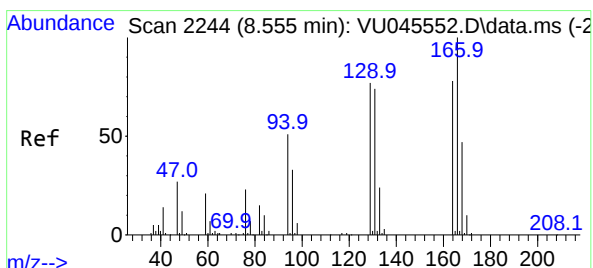
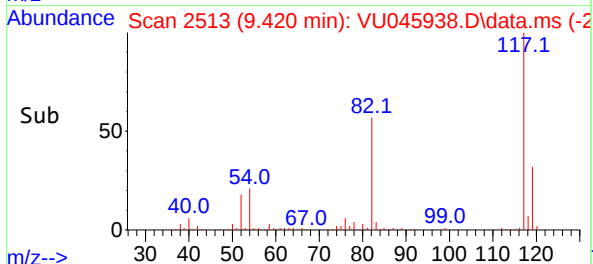
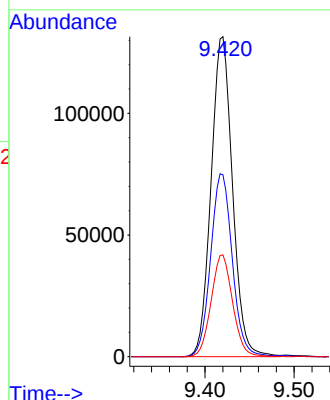
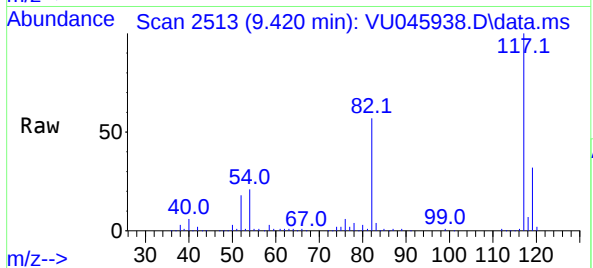
Tgt Ion:117 Resp: 219674

Ion Ratio Lower Upper

117 100

82 56.9 47.8 71.8

119 31.8 25.8 38.8



#64

Tetrachloroethene

Concen: 1.97 ug/l

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU045938.D

Acq: 23 Nov 2021 01:23

Tgt Ion:164 Resp: 2487

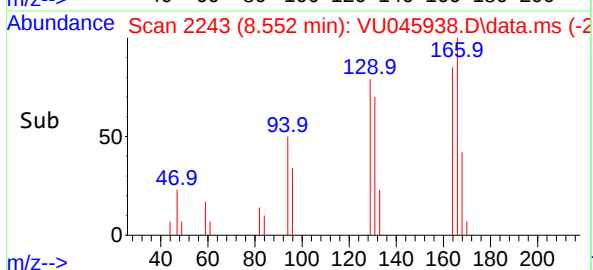
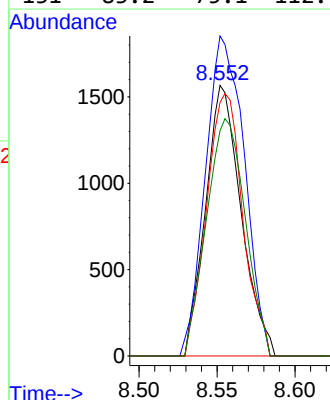
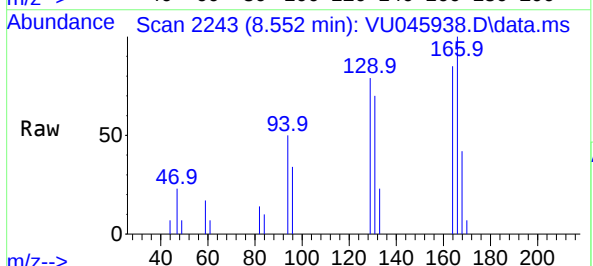
Ion Ratio Lower Upper

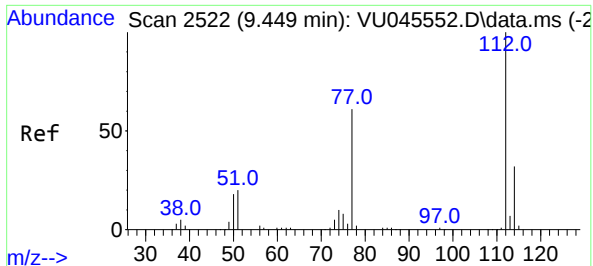
164 100

166 118.3 102.2 153.4

129 93.7 78.2 117.4

131 83.2 75.1 112.7





#65

Chlorobenzene

Concen: 18.83 ug/l

RT: 9.449 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU045938.D

Acq: 23 Nov 2021 01:23

Instrument :

MSVOA_U

ClientSampleId :

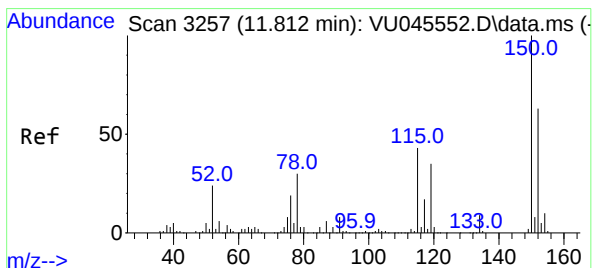
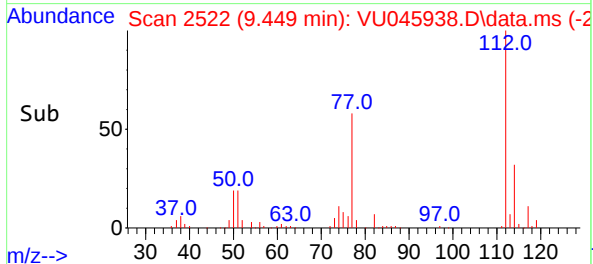
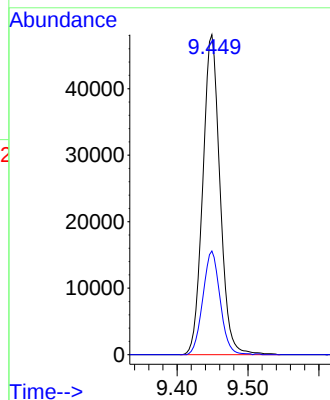
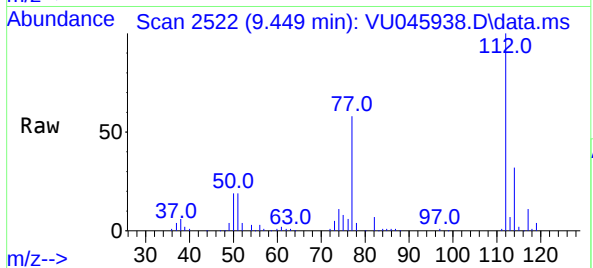
RW-121-20211118

Tgt Ion:112 Resp: 81233

Ion Ratio Lower Upper

112 100

114 32.4 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.812 min Scan# 3257

Delta R.T. -0.000 min

Lab File: VU045938.D

Acq: 23 Nov 2021 01:23

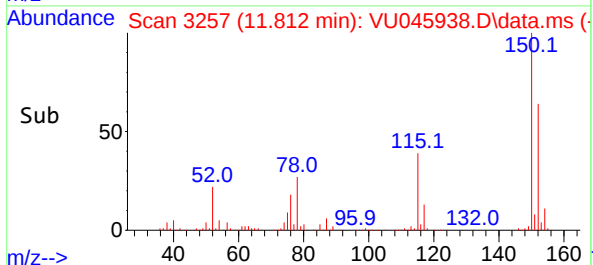
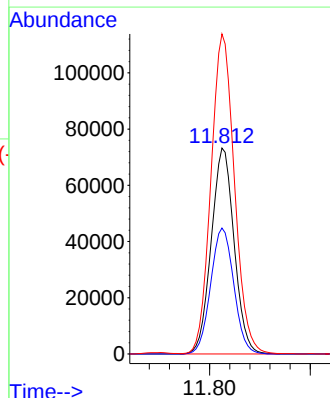
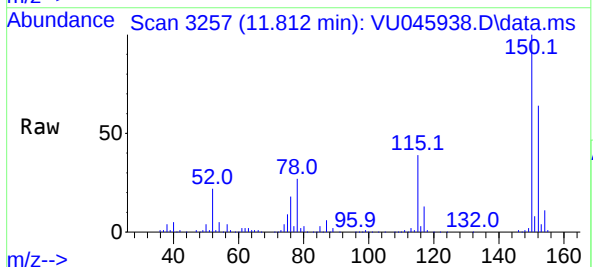
Tgt Ion:152 Resp: 115800

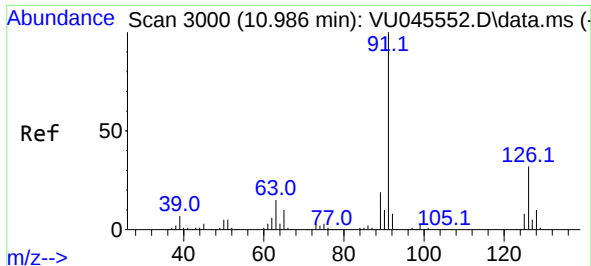
Ion Ratio Lower Upper

152 100

115 61.7 42.7 128.1

150 159.6 0.0 346.8

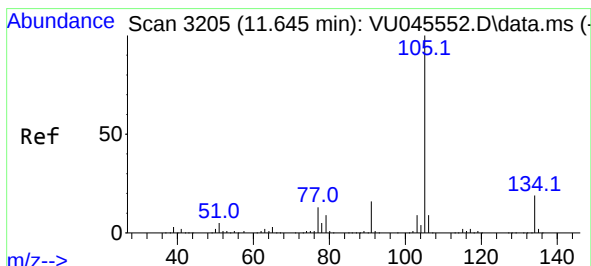
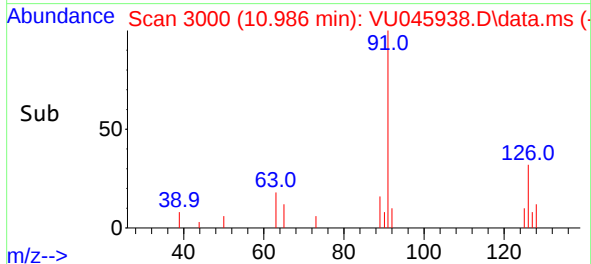
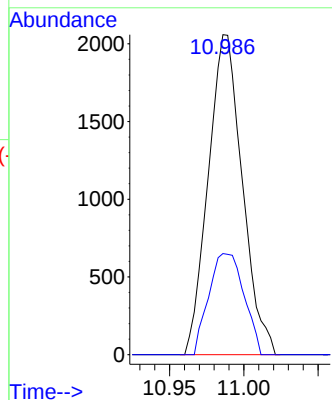
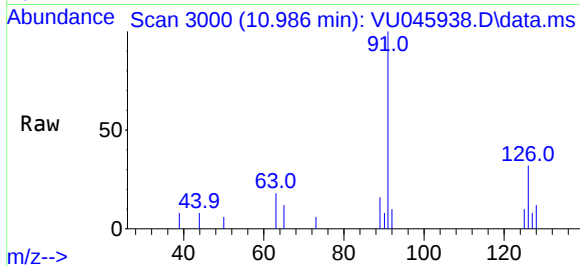




#79
2-Chlorotoluene
Concen: 0.59 ug/l
RT: 10.986 min Scan# 3000
Delta R.T. -0.000 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

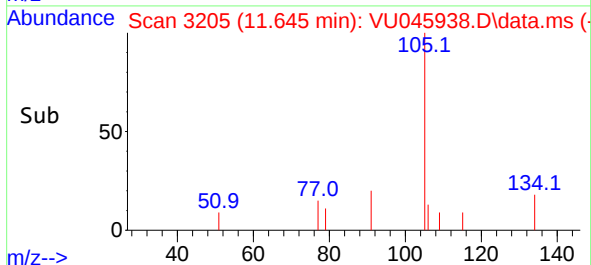
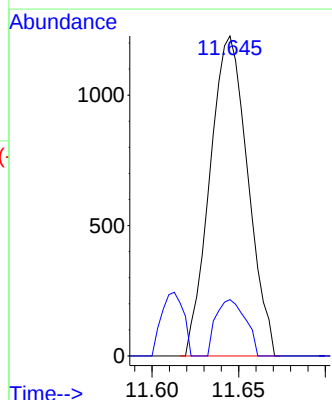
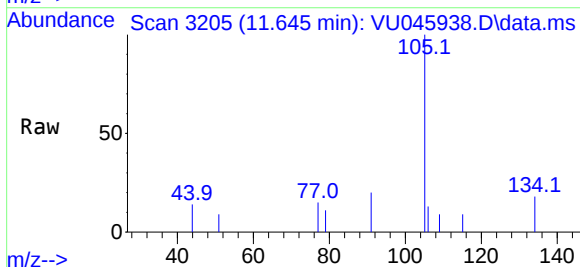
Instrument :
MSVOA_U
ClientSampleId :
RW-121-20211118

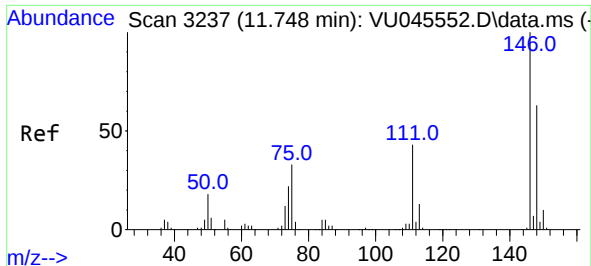
Tgt Ion: 91 Resp: 3281
Ion Ratio Lower Upper
91 100
126 32.6 15.6 46.8



#85
sec-Butylbenzene
Concen: 0.22 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. -0.000 min
Lab File: VU045938.D
Acq: 23 Nov 2021 01:23

Tgt Ion: 105 Resp: 1870
Ion Ratio Lower Upper
105 100
134 13.7 9.4 28.3





#87

1,3-Dichlorobenzene

Concen: 2.14 ug/l

RT: 11.748 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045938.D

Acq: 23 Nov 2021 01:23

Instrument :

MSVOA_U

ClientSampleId :

RW-121-20211118

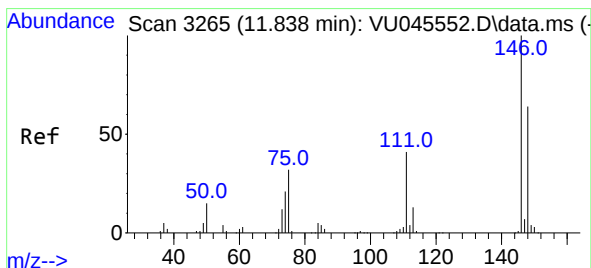
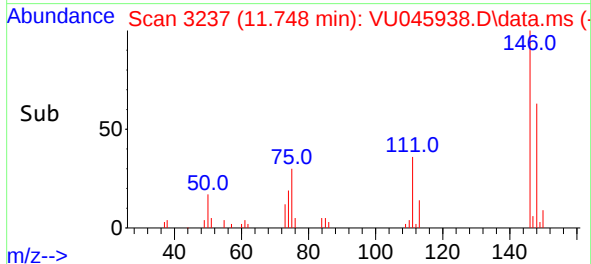
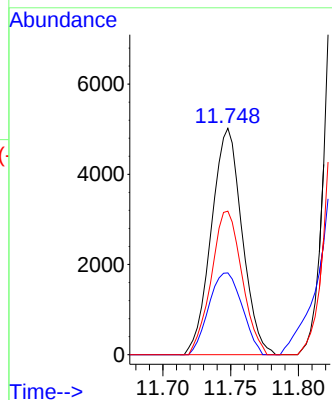
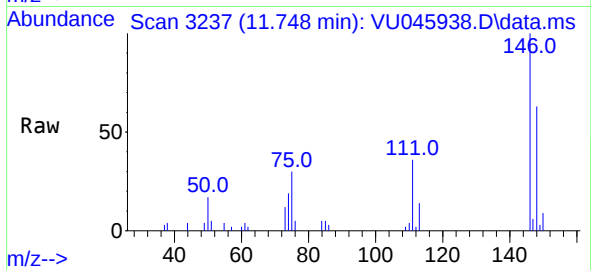
Tgt Ion:146 Resp: 7914

Ion Ratio Lower Upper

146 100

111 39.1 21.3 63.9

148 63.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 8.37 ug/l

RT: 11.838 min Scan# 3265

Delta R.T. -0.000 min

Lab File: VU045938.D

Acq: 23 Nov 2021 01:23

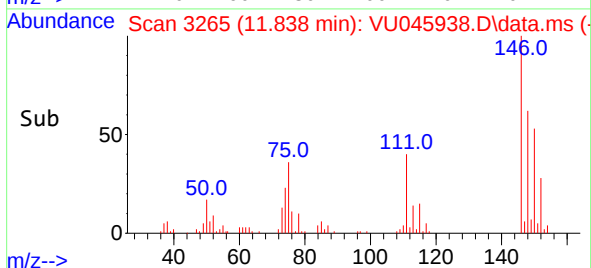
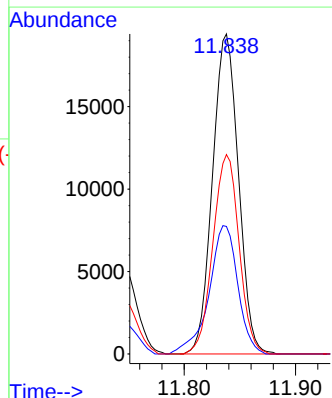
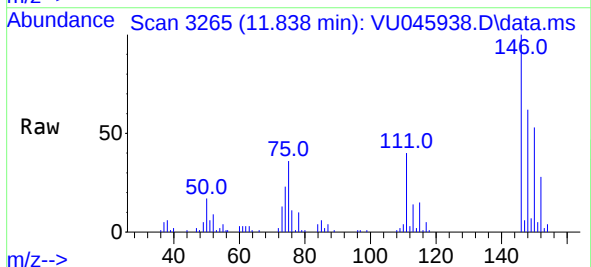
Tgt Ion:146 Resp: 31376

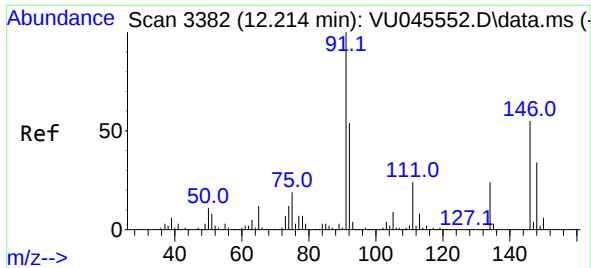
Ion Ratio Lower Upper

146 100

111 44.6 20.6 61.9

148 63.0 31.9 95.7





#91
 1,2-Dichlorobenzene
 Concen: 4.65 ug/l
 RT: 12.214 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU045938.D
 Acq: 23 Nov 2021 01:23

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-12I-20211118

Tgt Ion:	146	Resp:	16755
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.5
148	62.3	32.1	96.3

