

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045937.D
 Acq On : 23 Nov 2021 01:01
 Operator : SY/MD
 Sample : M4775-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-12D-20211118

Quant Time: Nov 23 06:50:34 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)

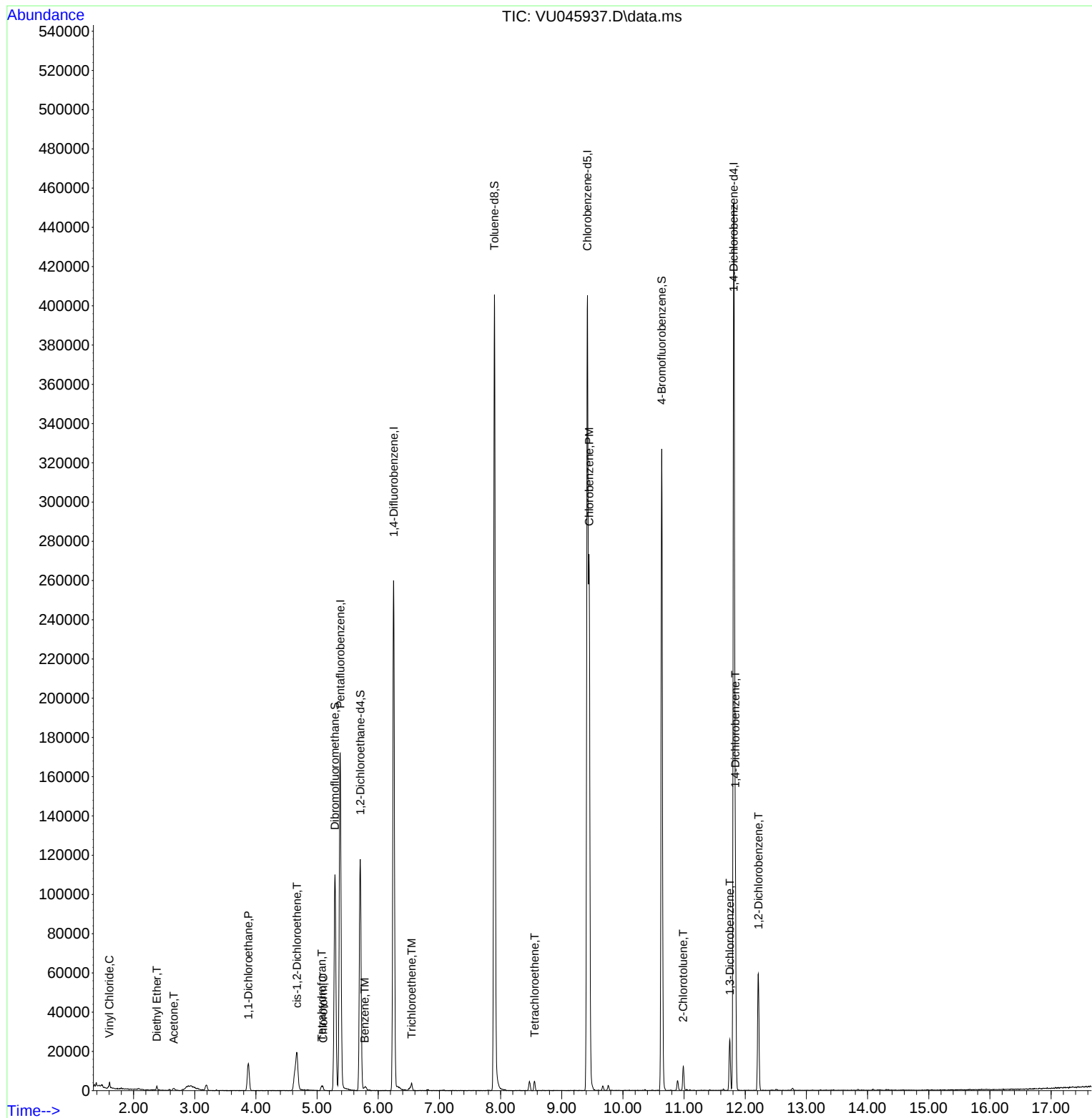
Internal Standards						
1) Pentafluorobenzene	5.378	168	117937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	210494	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	227351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	115954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	89571	50.713	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.420%			
35) Dibromofluoromethane	5.292	113	70234	49.976	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.960%			
50) Toluene-d8	7.899	98	276689	52.947	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.900%			
62) 4-Bromofluorobenzene	10.635	95	111262	53.095	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.200%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.607	62	2054	1.205	ug/l	96
8) Diethyl Ether	2.378	74	478	0.536	ug/l	79
16) Acetone	2.658	43	1365	1.518	ug/l	95
24) 1,1-Dichloroethane	3.877	63	16916	6.240	ug/l	97
27) cis-1,2-Dichloroethene	4.671	96	7891	4.977	ug/l	91
29) Tetrahydrofuran	5.076	42	1271	1.666	ug/l	92
30) Chloroform	5.099	83	1307	0.488	ug/l	89
40) Benzene	5.780	78	1391	0.229	ug/l #	81
44) Trichloroethene	6.545	130	1278	0.879	ug/l	80
64) Tetrachloroethene	8.555	164	1028	0.788	ug/l	88
65) Chlorobenzene	9.449	112	136172	30.492	ug/l	100
79) 2-Chlorotoluene	10.986	91	7371	1.323	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	10994	2.962	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	41001	10.923	ug/l	98
91) 1,2-Dichlorobenzene	12.214	146	23741	6.575	ug/l	99

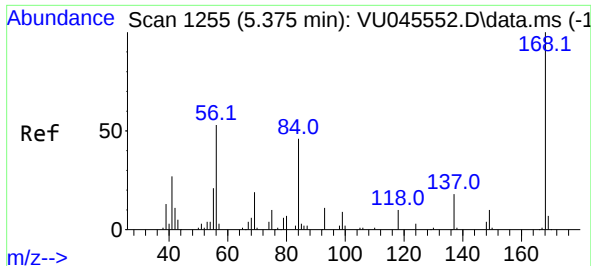
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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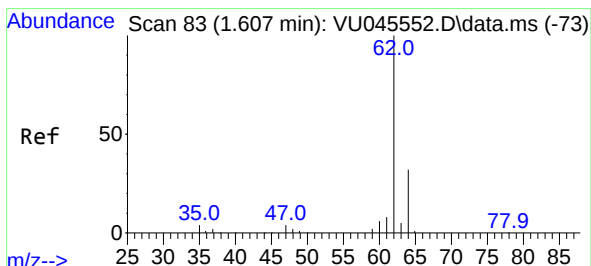
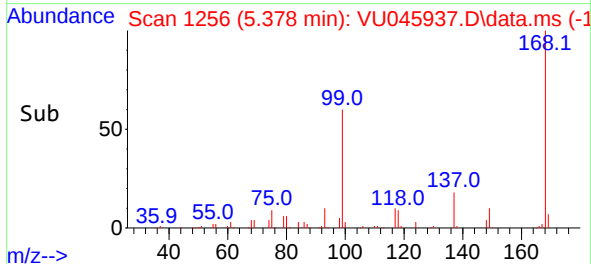
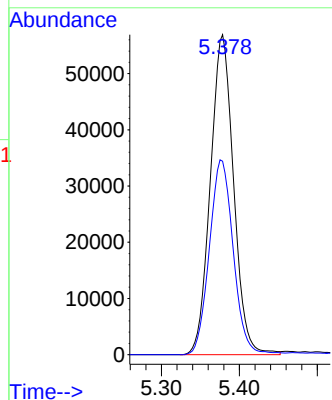
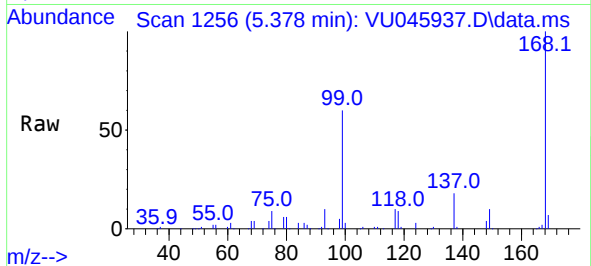




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

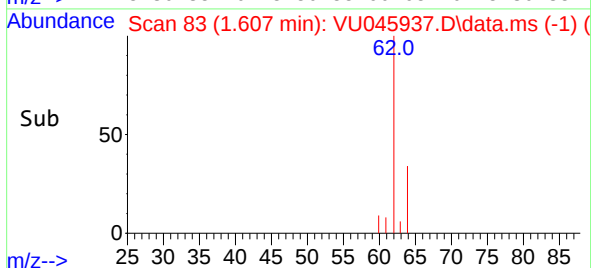
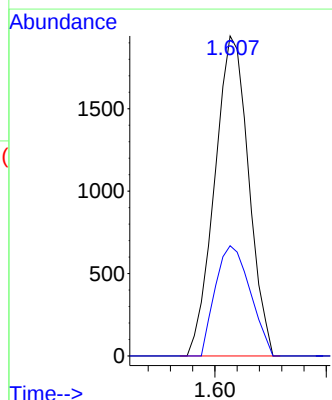
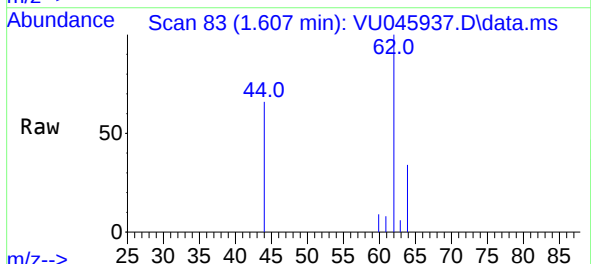
Instrument :
MSVOA_U
ClientSampleId :
RW-12D-20211118

Tgt Ion:168 Resp: 117937
Ion Ratio Lower Upper
168 100
99 60.5 51.0 76.6

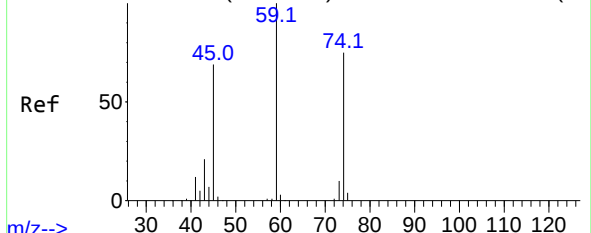


#4
Vinyl Chloride
Concen: 1.205 ug/l
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Tgt Ion: 62 Resp: 2054
Ion Ratio Lower Upper
62 100
64 34.4 25.8 38.6



Abundance Scan 323 (2.379 min): VU045552.D\data.ms (-31



#8

Diethyl Ether

Concen: 0.536 ug/l

RT: 2.378 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045937.D

Acq: 23 Nov 2021 01:01

Instrument :

MSVOA_U

ClientSampleId :

RW-12D-20211118

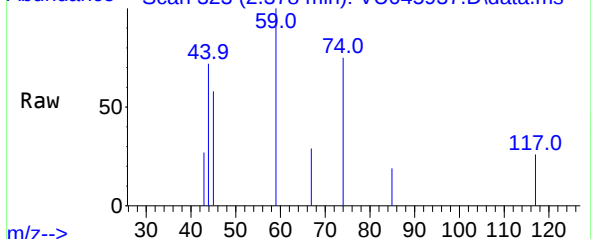
Tgt Ion: 74 Resp: 478

Ion Ratio Lower Upper

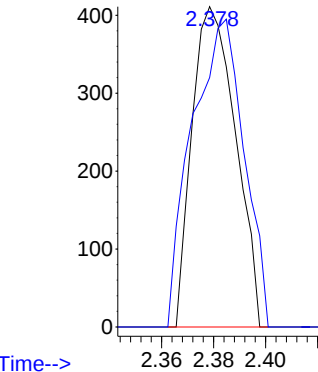
74 100

45 114.6 47.3 141.8

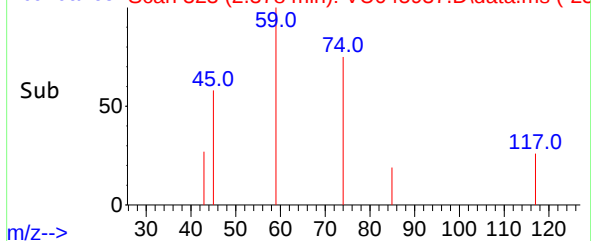
m/z--> Abundance Scan 323 (2.378 min): VU045937.D\data.ms



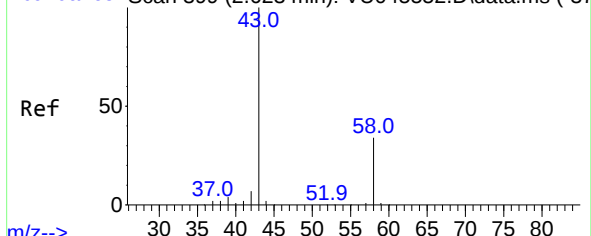
Abundance



m/z--> Abundance Scan 323 (2.378 min): VU045937.D\data.ms (-23



Abundance Scan 399 (2.623 min): VU045552.D\data.ms (-37



#16

Acetone

Concen: 1.518 ug/l

RT: 2.658 min Scan# 410

Delta R.T. 0.035 min

Lab File: VU045937.D

Acq: 23 Nov 2021 01:01

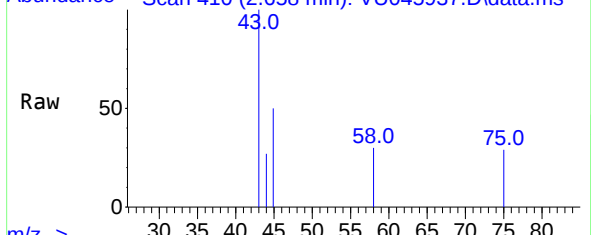
Tgt Ion: 43 Resp: 1365

Ion Ratio Lower Upper

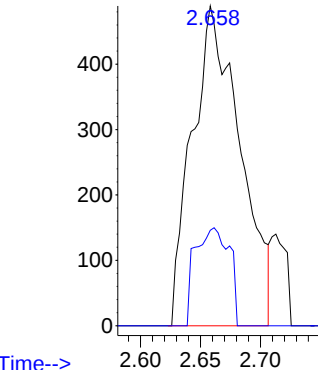
43 100

58 29.9 26.2 39.2

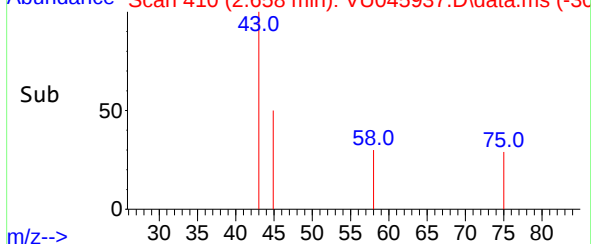
m/z--> Abundance Scan 410 (2.658 min): VU045937.D\data.ms

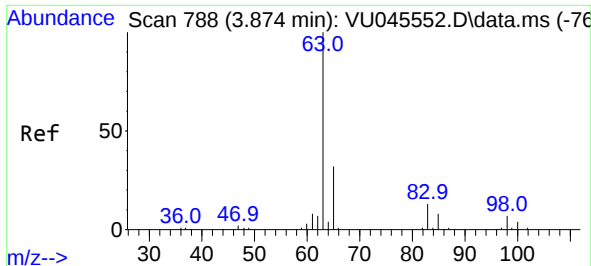


Abundance



m/z--> Abundance Scan 410 (2.658 min): VU045937.D\data.ms (-30

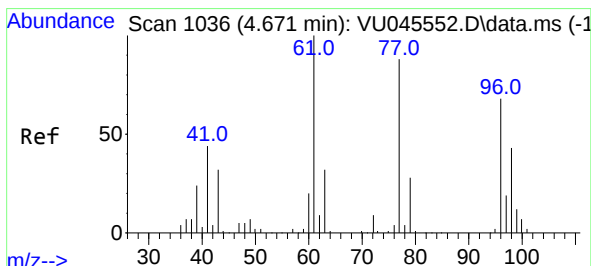
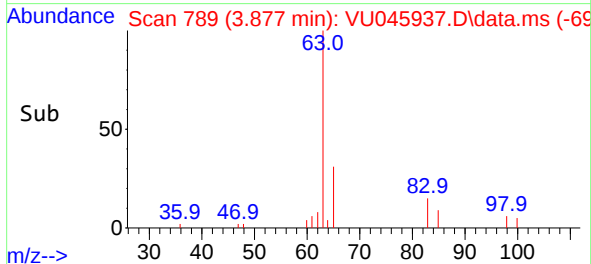
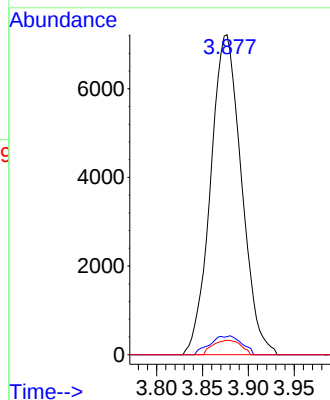
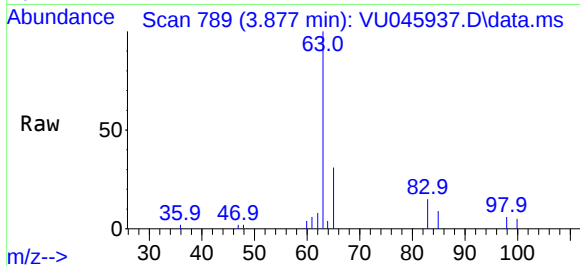




#24
1,1-Dichloroethane
Concen: 6.240 ug/l
RT: 3.877 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

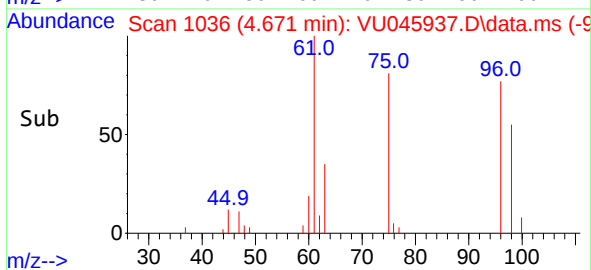
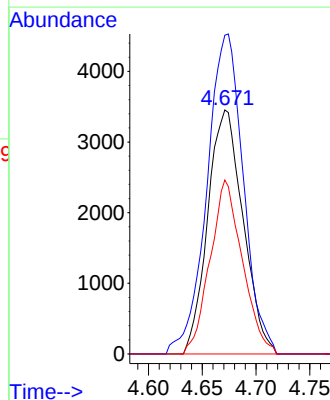
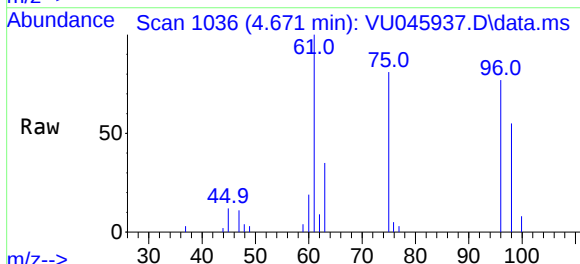
Instrument :
MSVOA_U
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RW-12D-20211118

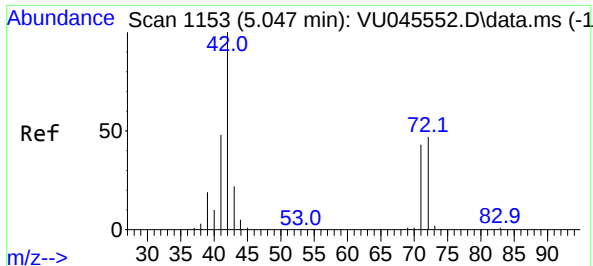
Tgt Ion: 63 Resp: 16916
Ion Ratio Lower Upper
63 100
98 5.6 3.5 10.6
100 4.5 2.4 7.2



#27
cis-1,2-Dichloroethene
Concen: 4.977 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Tgt Ion: 96 Resp: 7891
Ion Ratio Lower Upper
96 100
61 134.9 0.0 299.2
98 65.2 0.0 127.6

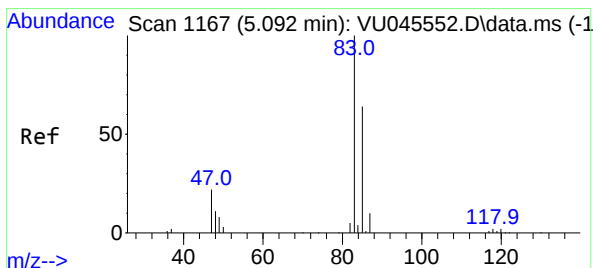
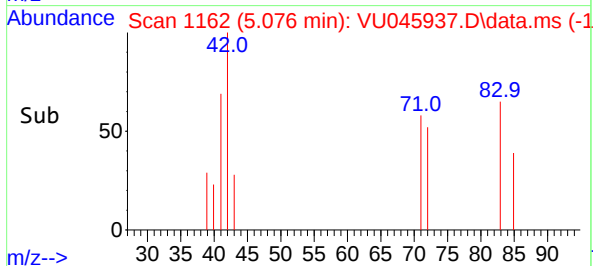
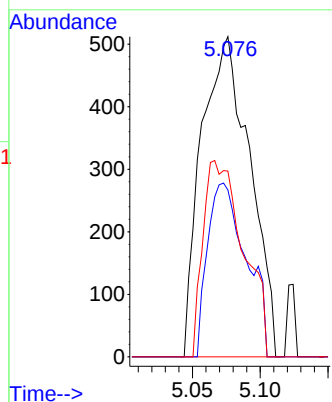
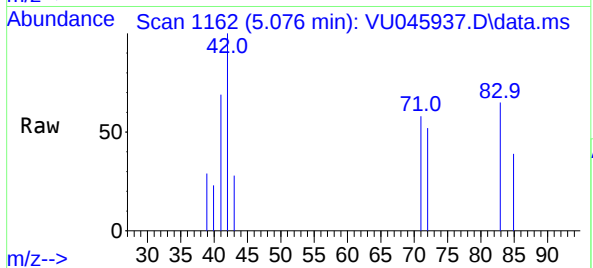




#29
Tetrahydrofuran
Concen: 1.666 ug/l
RT: 5.076 min Scan# 1153
Delta R.T. 0.029 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

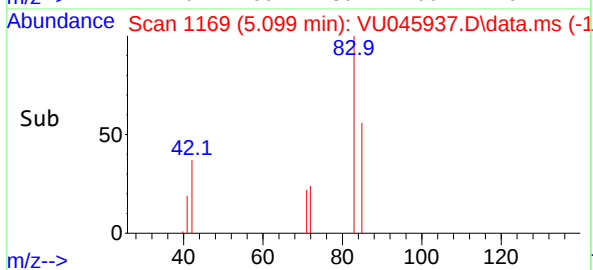
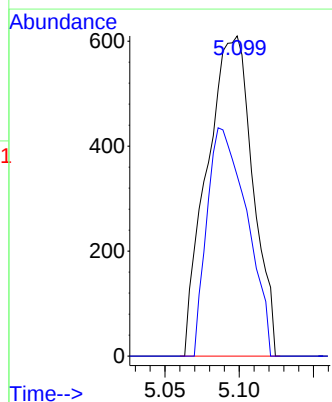
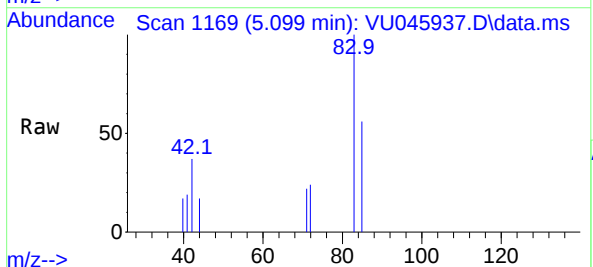
Instrument :
MSVOA_U
ClientSampleId :
RW-12D-20211118

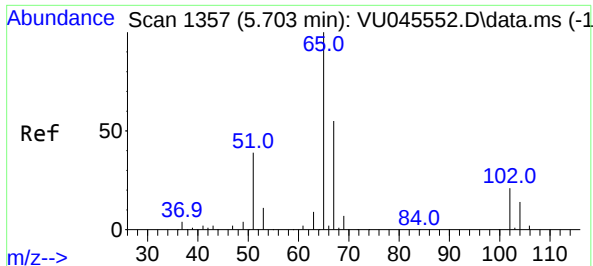
Tgt Ion:	42	Resp:	1271
Ion	Ratio	Lower	Upper
42	100		
72	43.4	38.2	57.4
71	51.1	35.4	53.2



#30
Chloroform
Concen: 0.488 ug/l
RT: 5.099 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Tgt Ion:	83	Resp:	1307
Ion	Ratio	Lower	Upper
83	100		
85	56.4	52.0	78.0





#33

1,2-Dichloroethane-d4

Concen: 50.713 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045937.D

Acq: 23 Nov 2021 01:01

Instrument :

MSVOA_U

ClientSampleId :

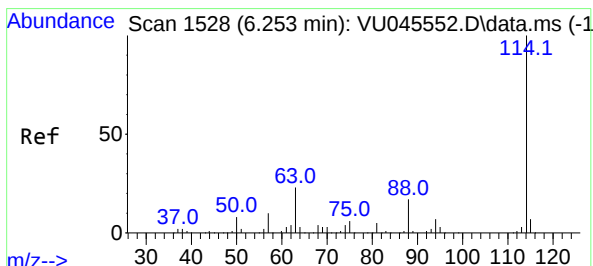
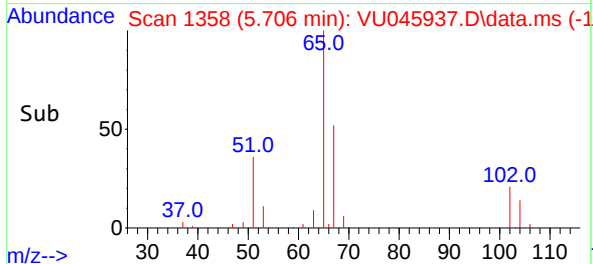
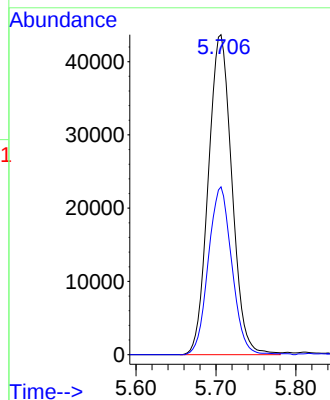
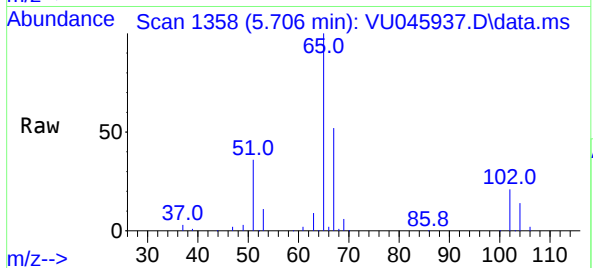
RW-12D-20211118

Tgt Ion: 65 Resp: 89571

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU045937.D

Acq: 23 Nov 2021 01:01

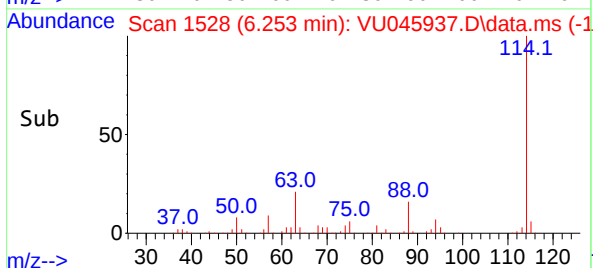
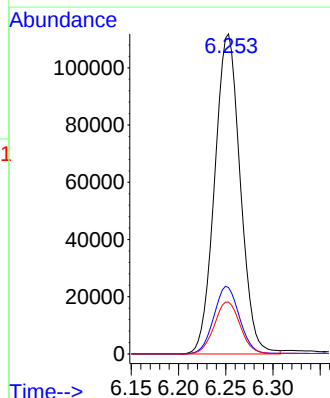
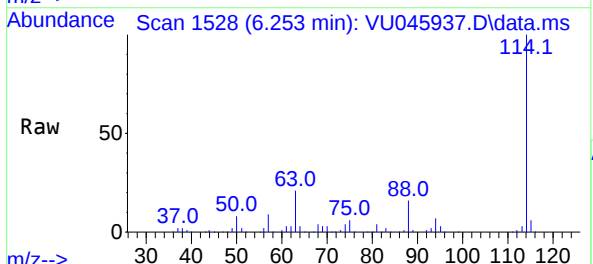
Tgt Ion: 114 Resp: 210494

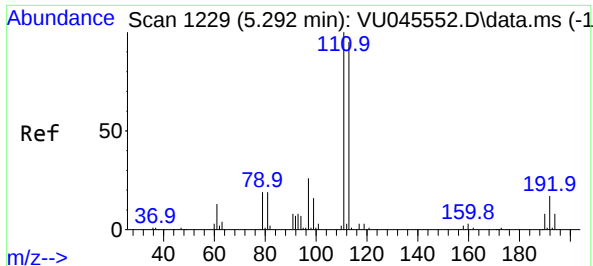
Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.6

88 16.2 0.0 33.8

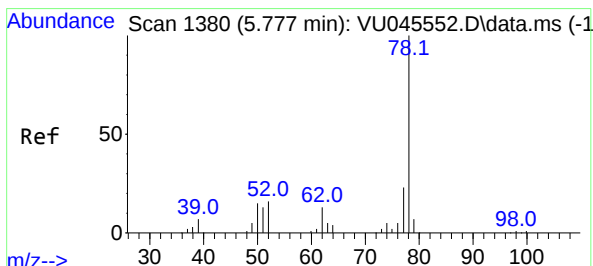
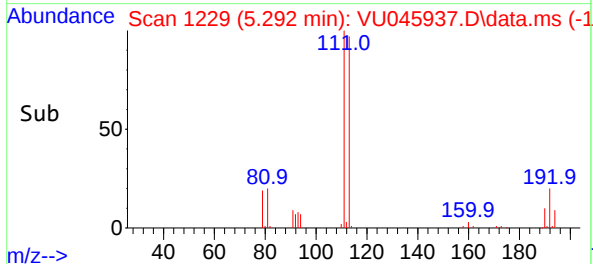
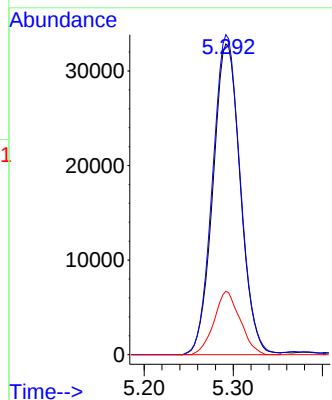
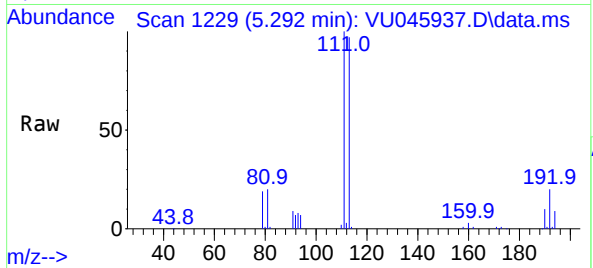




#35
Dibromofluoromethane
Concen: 49.976 ug/l
RT: 5.292 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

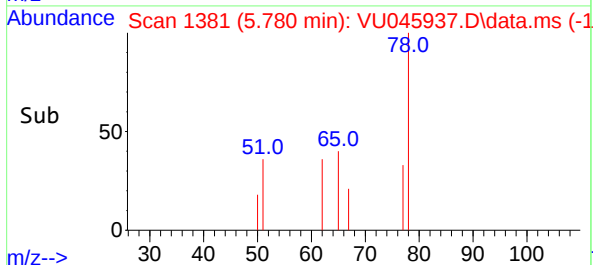
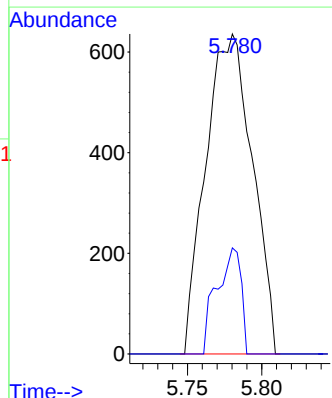
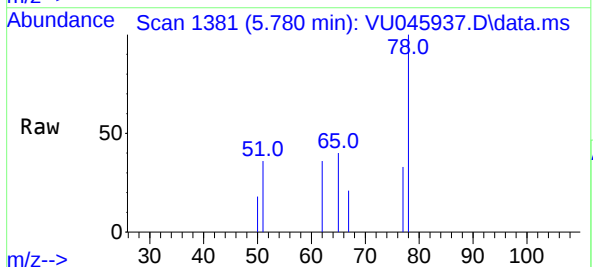
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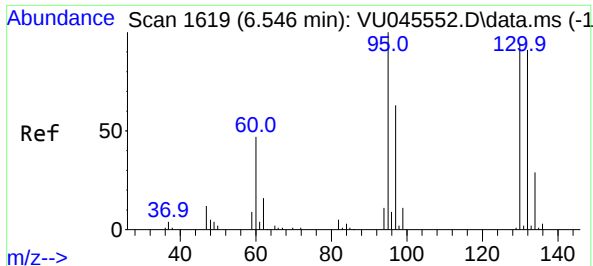
Tgt Ion:113 Resp: 70234
Ion Ratio Lower Upper
113 100
111 103.8 82.8 124.2
192 19.3 14.8 22.2



#40
Benzene
Concen: 0.229 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Tgt Ion: 78 Resp: 1391
Ion Ratio Lower Upper
78 100
77 33.2 19.0 28.4#

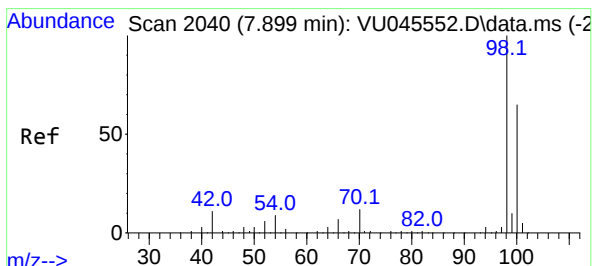
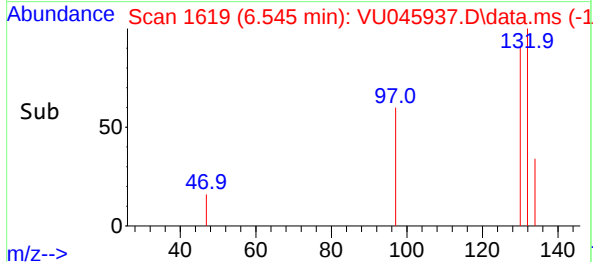
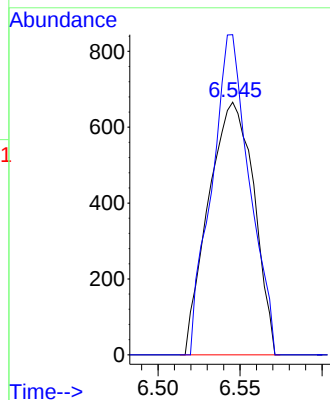
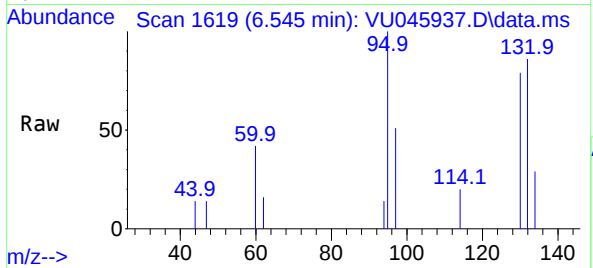




#44
Trichloroethene
Concen: 0.879 ug/l
RT: 6.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

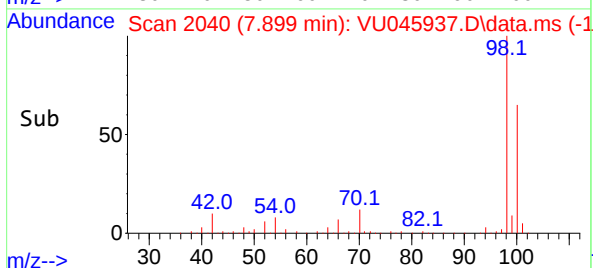
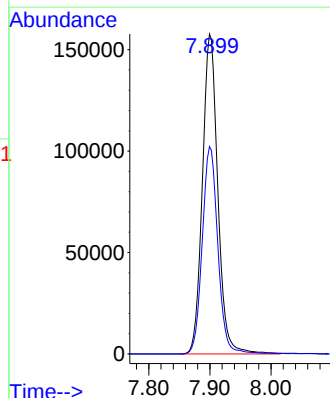
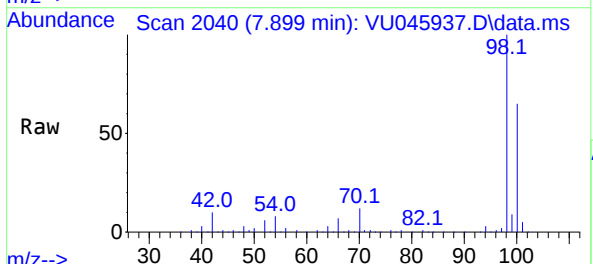
Instrument :
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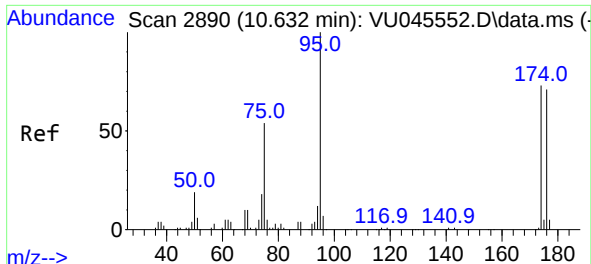
Tgt Ion:130 Resp: 1278
Ion Ratio Lower Upper
130 100
95 126.7 0.0 211.4



#50
Toluene-d8
Concen: 52.947 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Tgt Ion: 98 Resp: 276689
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7

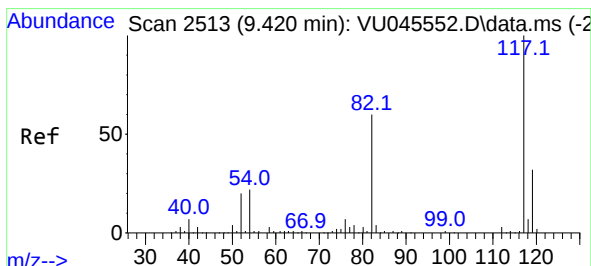
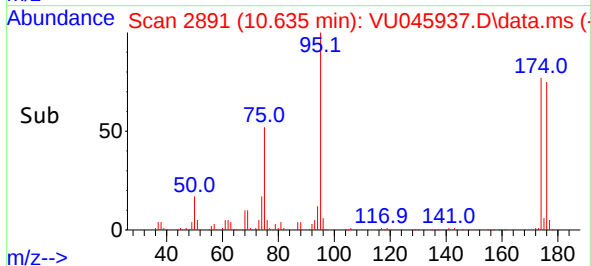
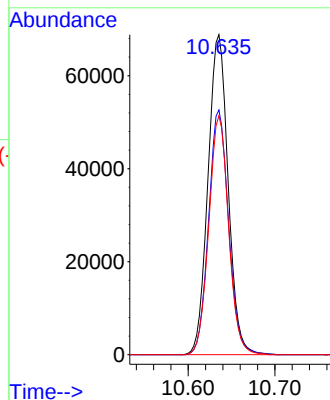
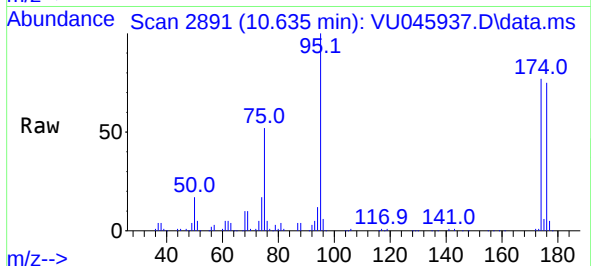




#62
4-Bromofluorobenzene
Concen: 53.095 ug/l
RT: 10.635 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

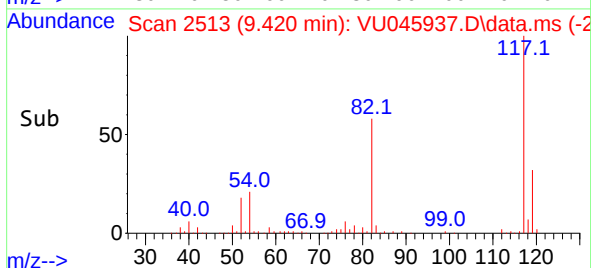
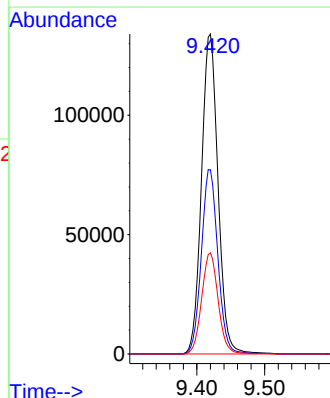
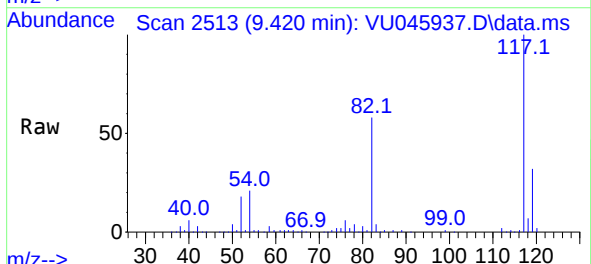
Instrument :
MSVOA_U
ClientSampleId :
RW-12D-20211118

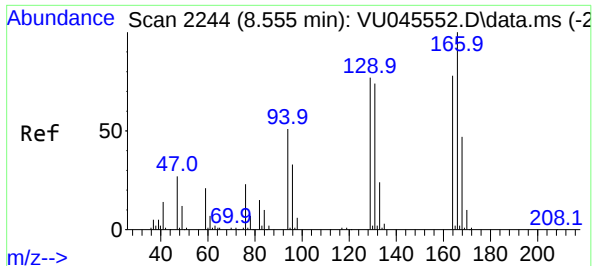
Tgt Ion: 95 Resp: 111262
Ion Ratio Lower Upper
95 100
174 76.1 0.0 141.8
176 73.1 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Tgt Ion: 117 Resp: 227351
Ion Ratio Lower Upper
117 100
82 57.6 47.8 71.8
119 31.6 25.8 38.8



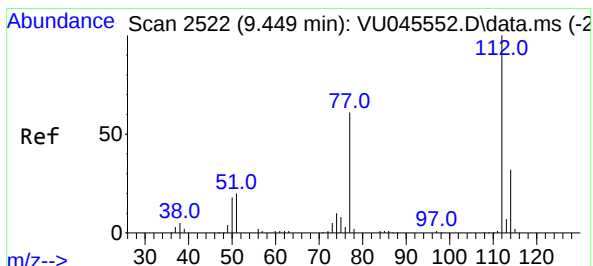
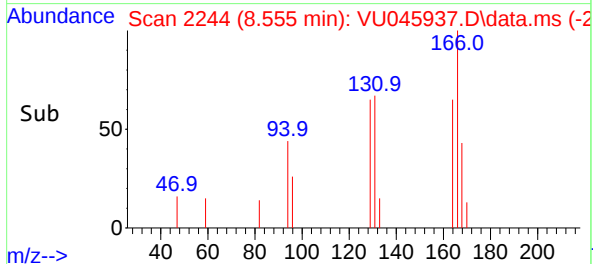
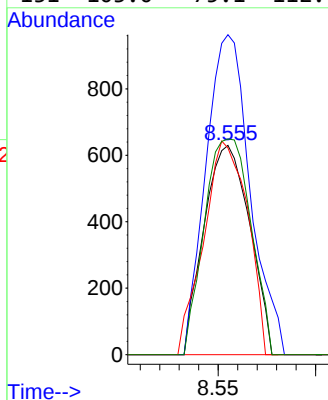
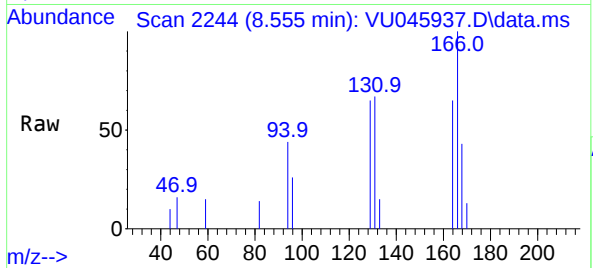


#64
Tetrachloroethene
Concen: 0.788 ug/l
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Instrument :
MSVOA_U
ClientSampleId :
RW-12D-20211118

Tgt Ion:164 Resp: 1028

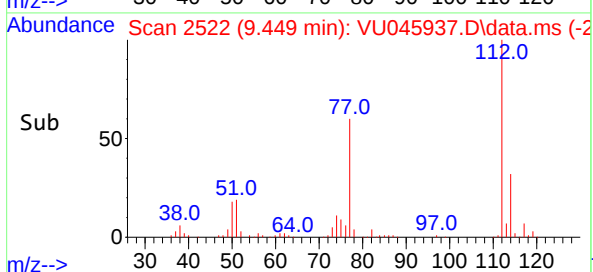
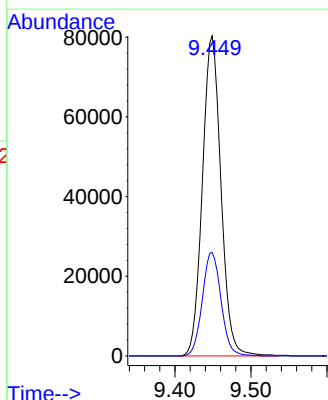
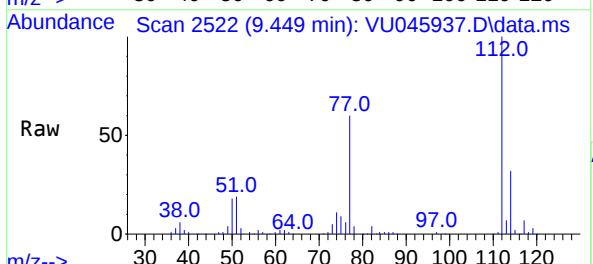
Ion	Ratio	Lower	Upper
164	100		
166	152.9	102.2	153.4
129	98.7	78.2	117.4
131	103.0	75.1	112.7

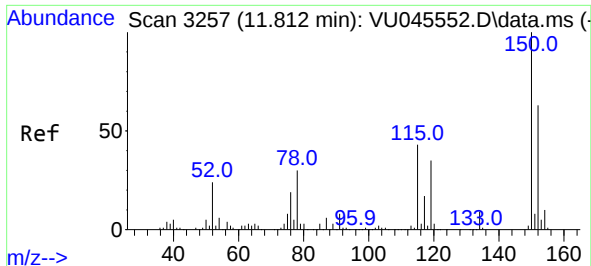


#65
Chlorobenzene
Concen: 30.492 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Tgt Ion:112 Resp: 136172

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.7	38.5

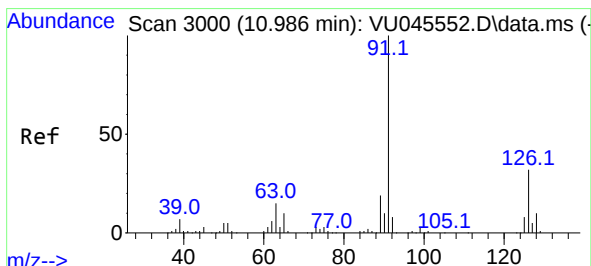
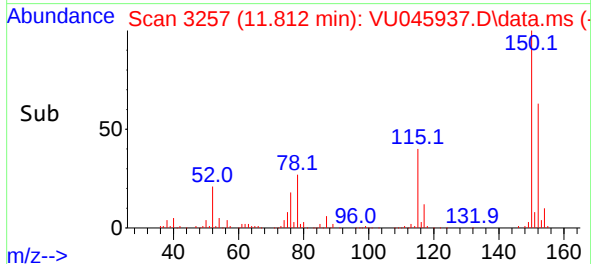
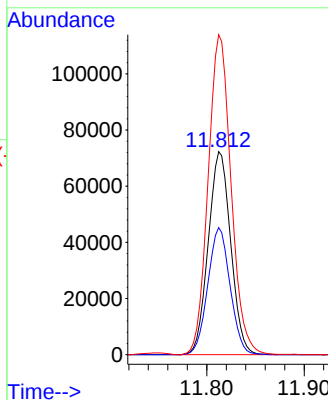
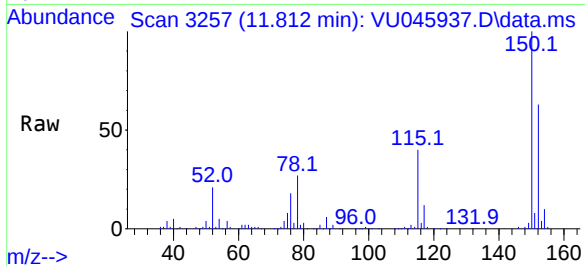




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

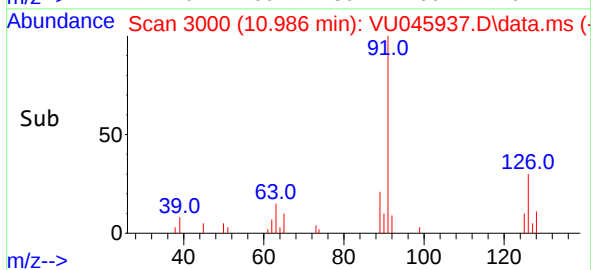
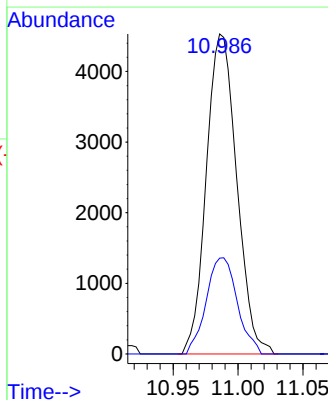
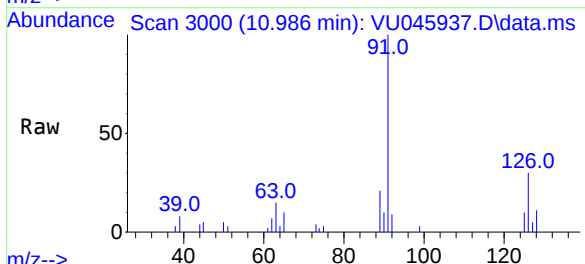
Instrument :
MSVOA_U
ClientSampleId :
RW-12D-20211118

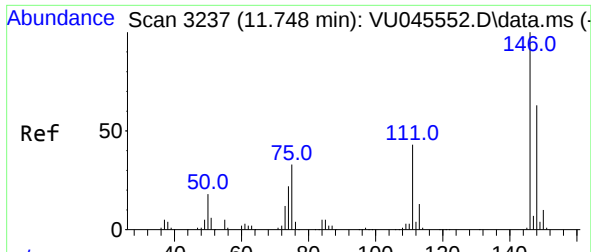
Tgt Ion:152 Resp: 115954
Ion Ratio Lower Upper
152 100
115 61.9 42.7 128.1
150 160.8 0.0 346.8



#79
2-Chlorotoluene
Concen: 1.323 ug/l
RT: 10.986 min Scan# 3000
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Tgt Ion: 91 Resp: 7371
Ion Ratio Lower Upper
91 100
126 30.7 15.6 46.8

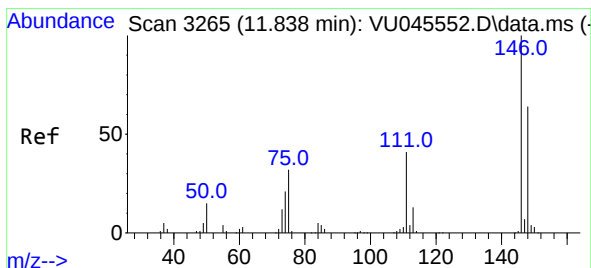
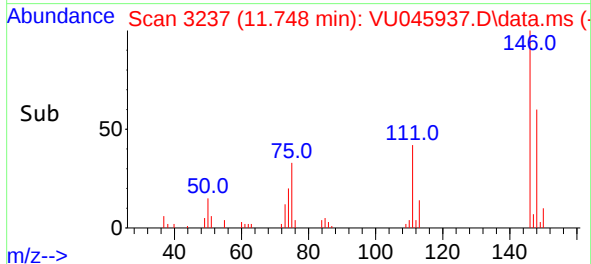
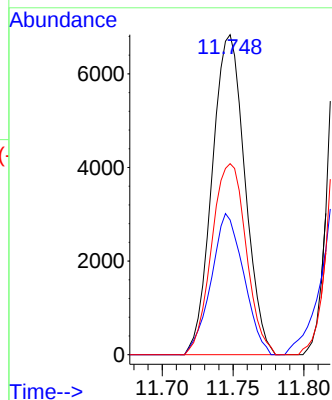
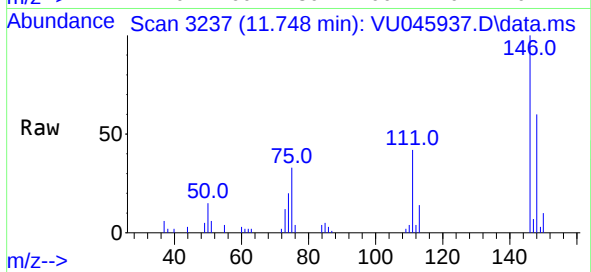




#87
1,3-Dichlorobenzene
Concen: 2.962 ug/l
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

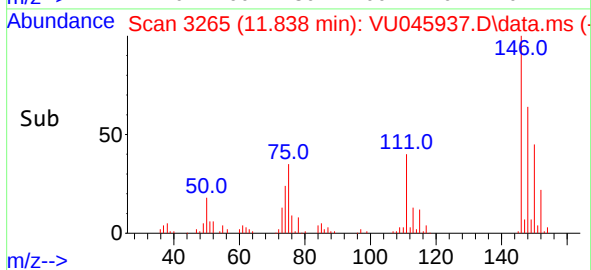
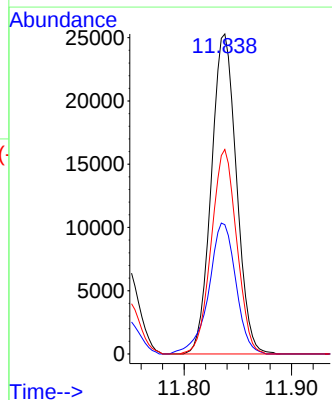
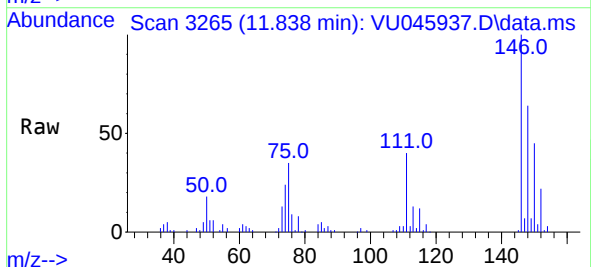
Instrument :
MSVOA_U
ClientSampleId :
RW-12D-20211118

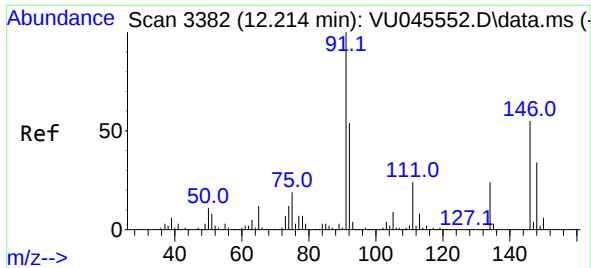
Tgt Ion:146 Resp: 10994
Ion Ratio Lower Upper
146 100
111 43.8 21.3 63.9
148 62.9 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 10.923 ug/l
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU045937.D
Acq: 23 Nov 2021 01:01

Tgt Ion:146 Resp: 41001
Ion Ratio Lower Upper
146 100
111 44.1 20.6 61.9
148 64.7 31.9 95.7





#91
 1,2-Dichlorobenzene
 Concen: 6.575 ug/l
 RT: 12.214 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU045937.D
 Acq: 23 Nov 2021 01:01

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-12D-20211118

Tgt Ion:	146	Resp:	23741
Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.9	65.5
148	65.0	32.1	96.3

