

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045910.D
 Acq On : 22 Nov 2021 13:46
 Operator : SY/MD
 Sample : M4756-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 05:14:20 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)

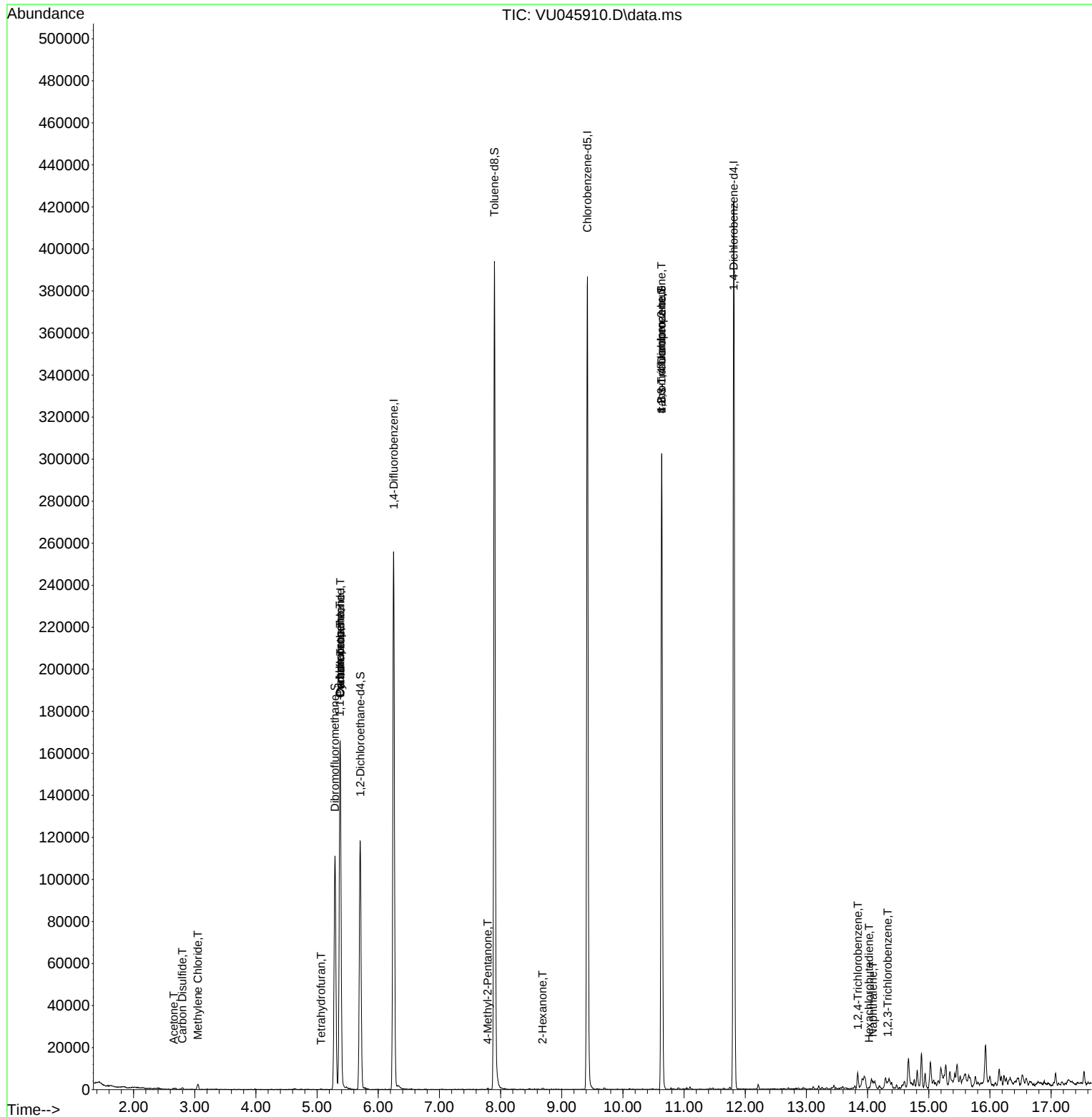
Internal Standards						
1) Pentafluorobenzene	5.379	168	114224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	204634	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	217057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	110028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	89148	52.114	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.220%	
35) Dibromofluoromethane	5.292	113	71129	52.062	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.120%	
50) Toluene-d8	7.899	98	269959	53.138	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.280%	
62) 4-Bromofluorobenzene	10.632	95	104936	51.510	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.020%	
Target Compounds						
					Qvalue	
16) Acetone	2.658	43	864	0.992	ug/l #	42
17) Carbon Disulfide	2.797	76	1098	0.312	ug/l #	75
20) Methylene Chloride	3.051	84	1239	0.819	ug/l #	94
29) Tetrahydrofuran	5.067	42	174	0.236	ug/l #	30
31) Cyclohexane	5.375	56	2524	1.011	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	9878	4.951	ug/l #	49
38) Carbon Tetrachloride	5.379	117	12375	6.152	ug/l #	15
51) 4-Methyl-2-Pentanone	7.790	43	531	0.230	ug/l #	59
59) 2-Hexanone	8.687	43	587	7.818	ug/l	85
76) 1,2,3-Trichloropropane	10.632	75	54511	16.337	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	54511	53.308	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.841	180	842	0.355	ug/l #	61
94) Hexachlorobutadiene	14.025	225	295	0.288	ug/l #	36
95) Naphthalene	14.086	128	4012	1.470	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.330	180	999	0.425	ug/l #	84

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

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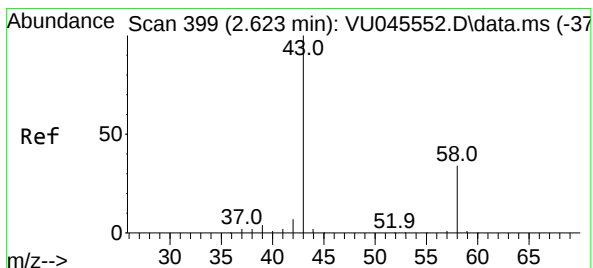
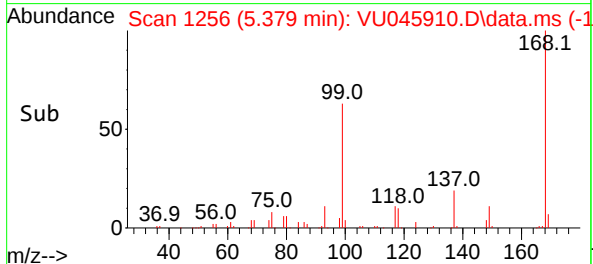
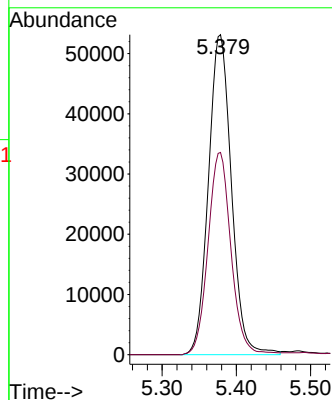
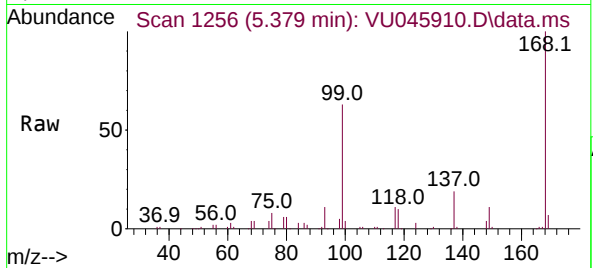




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

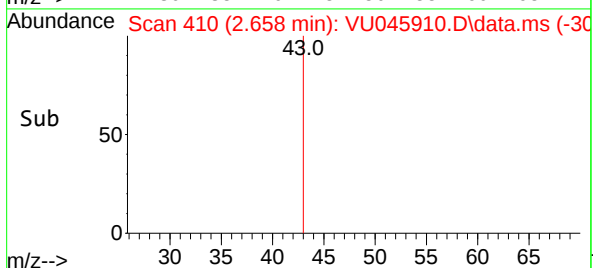
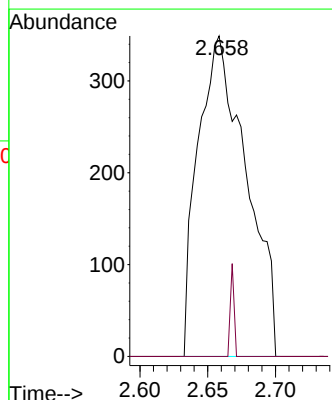
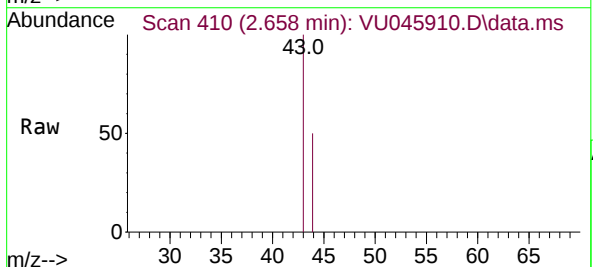
Instrument :
MSVOA_U
ClientSampleId :

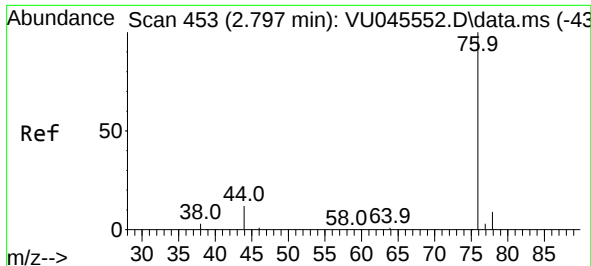
Tgt Ion:168 Resp: 114224
Ion Ratio Lower Upper
168 100
99 63.2 51.0 76.6



#16
Acetone
Concen: 0.992 ug/l
RT: 2.658 min Scan# 410
Delta R.T. 0.035 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

Tgt Ion: 43 Resp: 864
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.2#





#17

Carbon Disulfide

Concen: 0.312 ug/l

RT: 2.797 min Scan# 4

Delta R.T. 0.000 min

Lab File: VU045910.D

Acq: 22 Nov 2021 13:46

Instrument :

MSVOA_U

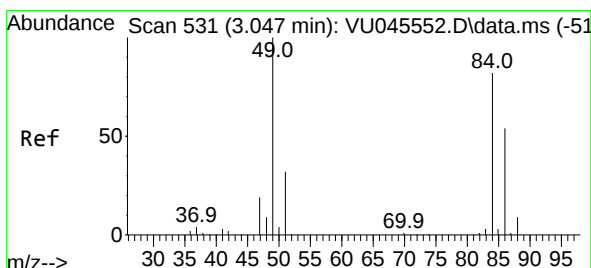
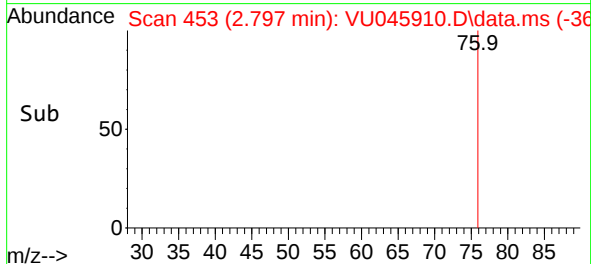
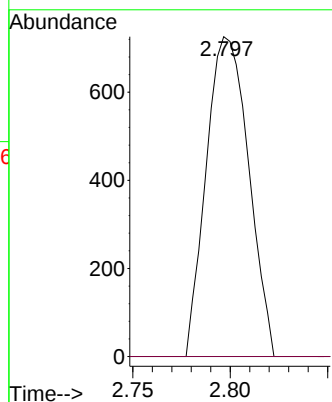
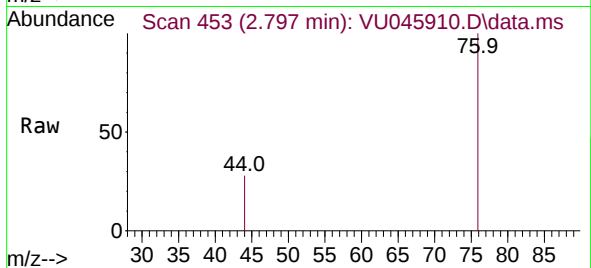
ClientSampleId :

Tgt Ion: 76 Resp: 1098

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#20

Methylene Chloride

Concen: 0.819 ug/l

RT: 3.051 min Scan# 532

Delta R.T. 0.003 min

Lab File: VU045910.D

Acq: 22 Nov 2021 13:46

Tgt Ion: 84 Resp: 1239

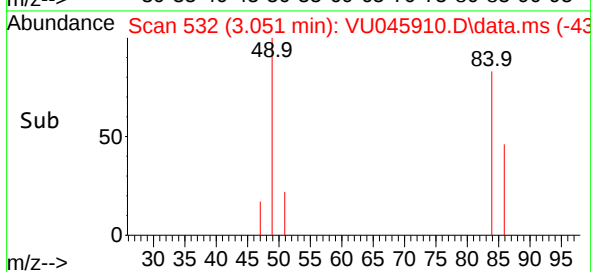
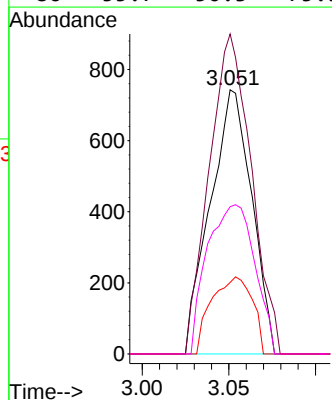
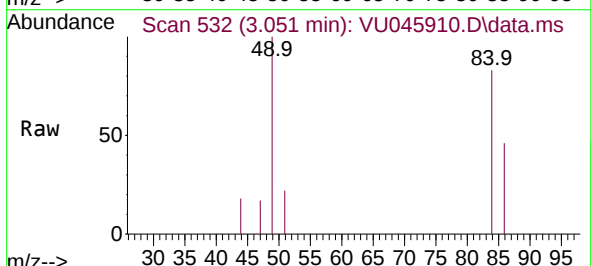
Ion Ratio Lower Upper

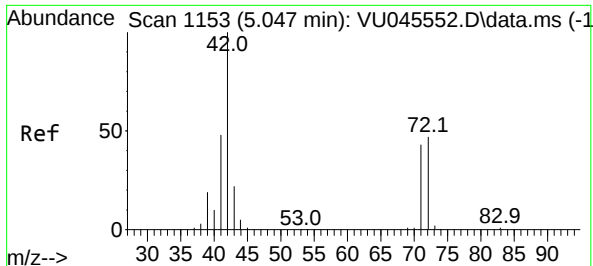
84 100

49 121.1 96.4 144.6

51 27.1 30.5 45.7#

86 55.7 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 5.067 min Scan# 1153

Delta R.T. 0.019 min

Lab File: VU045910.D

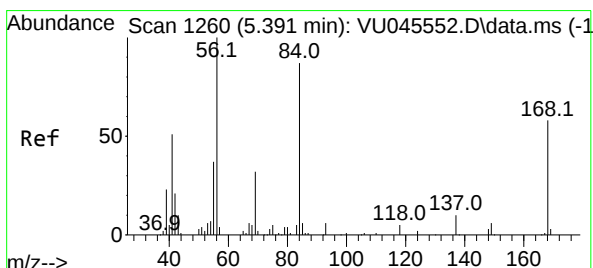
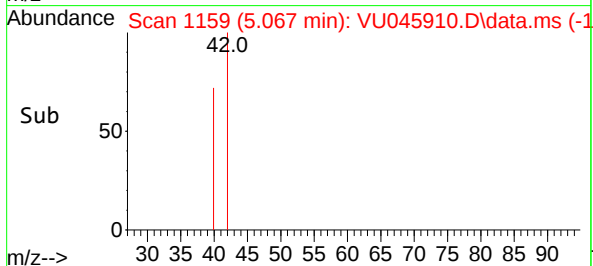
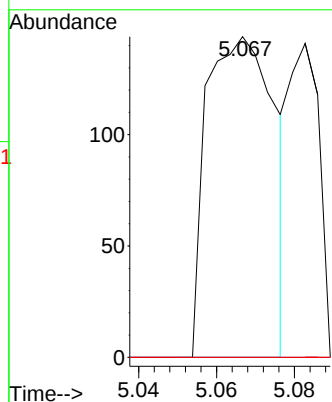
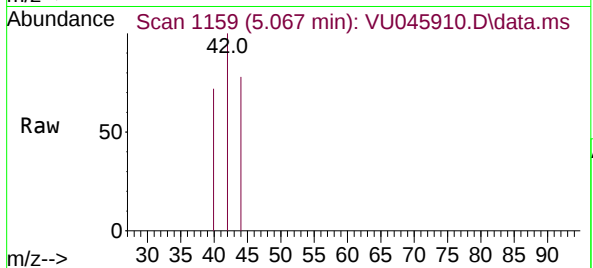
Acq: 22 Nov 2021 13:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	42	Resp:	174
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.2	57.4#
71	0.0	35.4	53.2#



#31

Cyclohexane

Concen: 1.011 ug/l

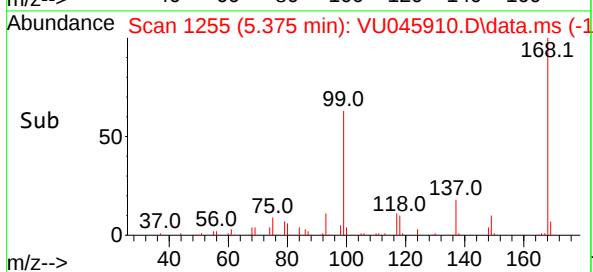
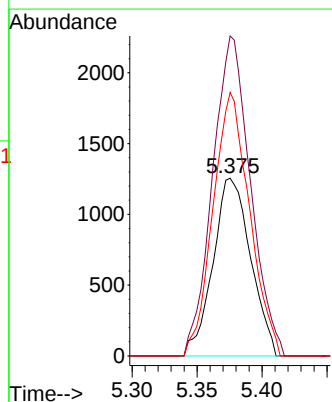
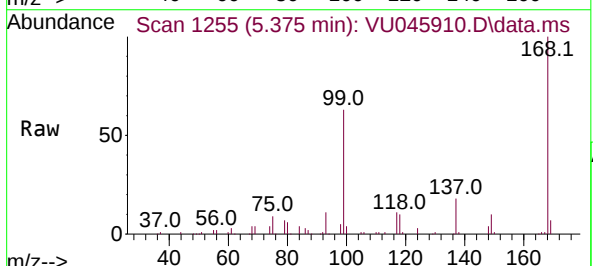
RT: 5.375 min Scan# 1255

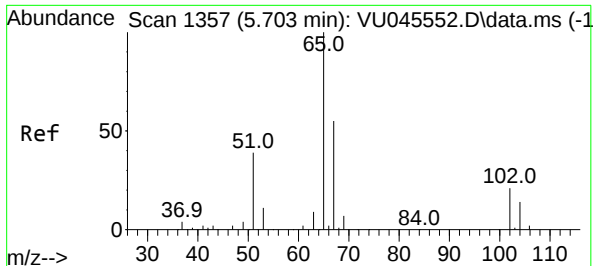
Delta R.T. -0.016 min

Lab File: VU045910.D

Acq: 22 Nov 2021 13:46

Tgt Ion:	56	Resp:	2524
Ion	Ratio	Lower	Upper
56	100		
69	180.1	26.4	39.6#
84	148.3	68.4	102.6#





#33

1,2-Dichloroethane-d4

Concen: 52.114 ug/l

RT: 5.707 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045910.D

Acq: 22 Nov 2021 13:46

Instrument :

MSVOA_U

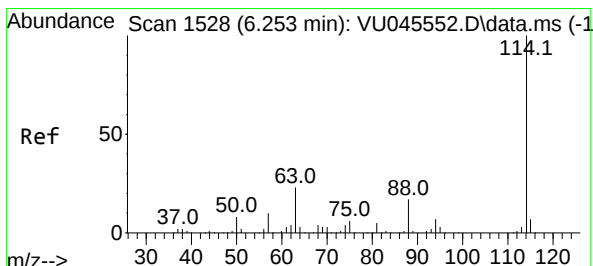
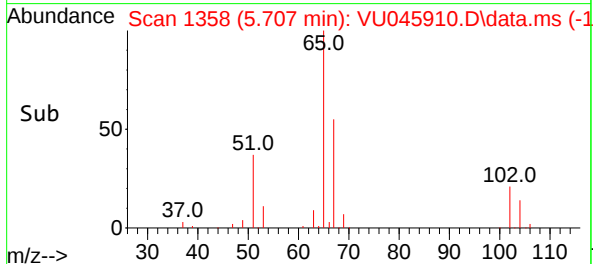
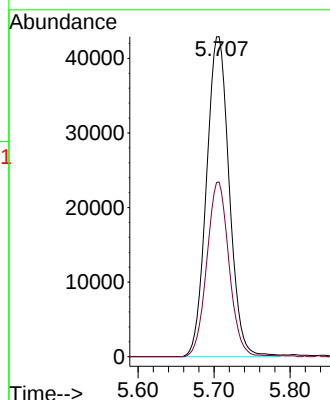
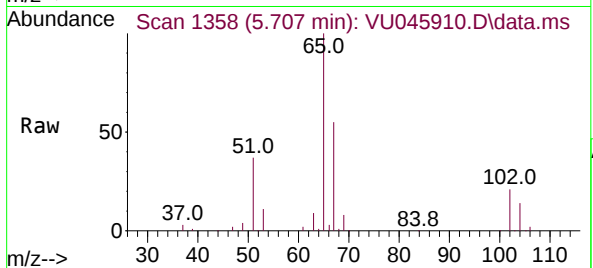
ClientSampleId :

Tgt Ion: 65 Resp: 89148

Ion Ratio Lower Upper

65 100

67 53.5 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: VU045910.D

Acq: 22 Nov 2021 13:46

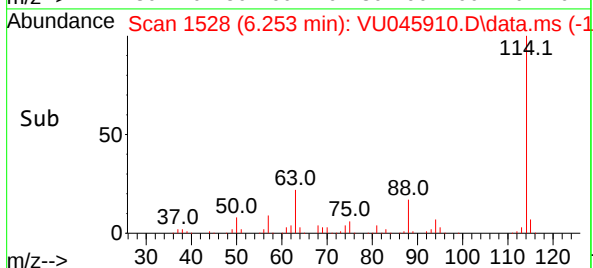
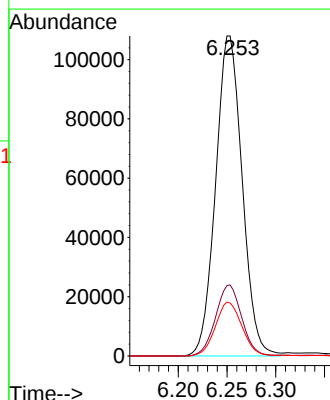
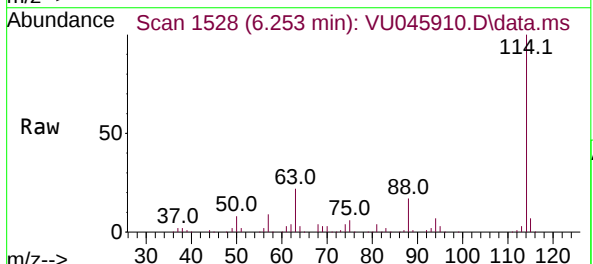
Tgt Ion: 114 Resp: 204634

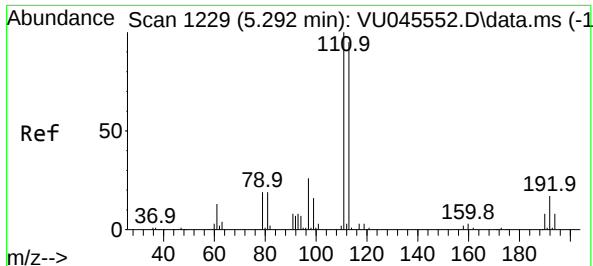
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.062 ug/l

RT: 5.292 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045910.D

Acq: 22 Nov 2021 13:46

Instrument :

MSVOA_U

ClientSampleId :

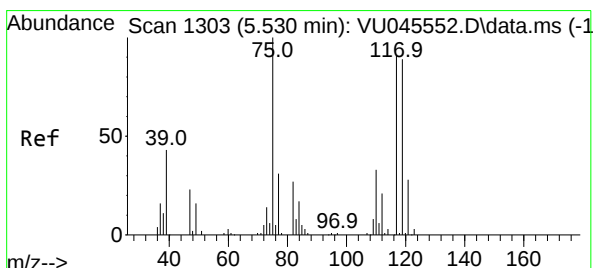
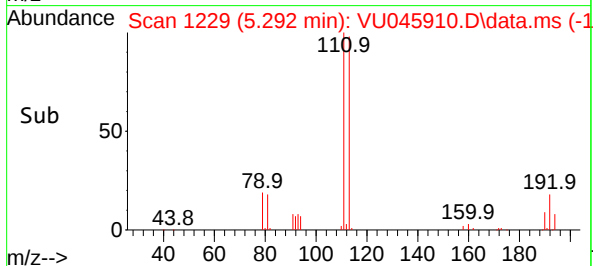
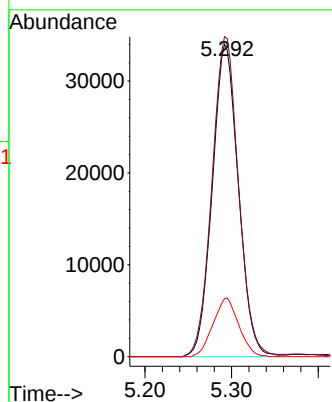
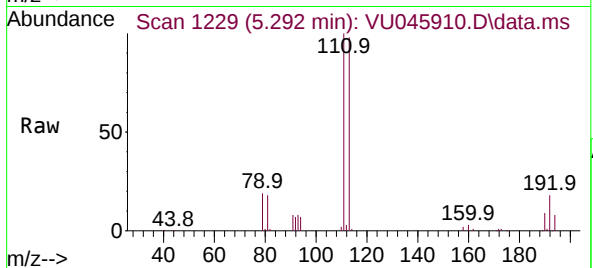
Tgt Ion:113 Resp: 71129

Ion Ratio Lower Upper

113 100

111 103.9 82.8 124.2

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.951 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.157 min

Lab File: VU045910.D

Acq: 22 Nov 2021 13:46

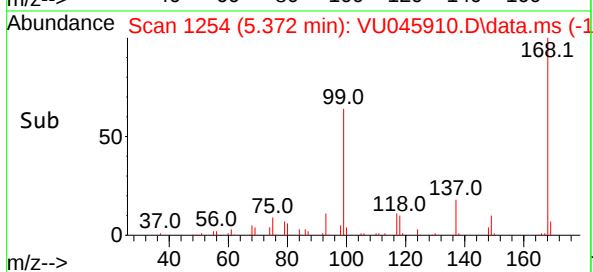
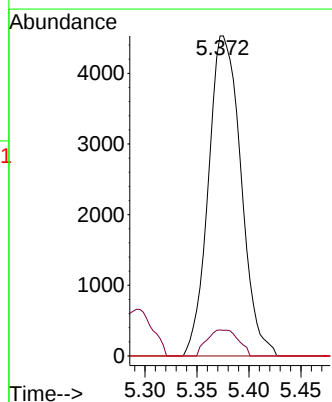
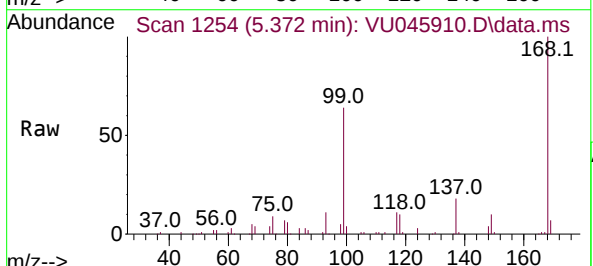
Tgt Ion: 75 Resp: 9878

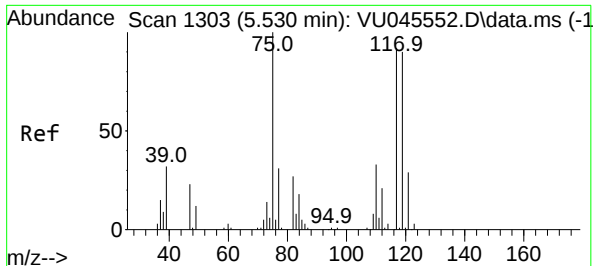
Ion Ratio Lower Upper

75 100

110 7.8 16.7 50.0#

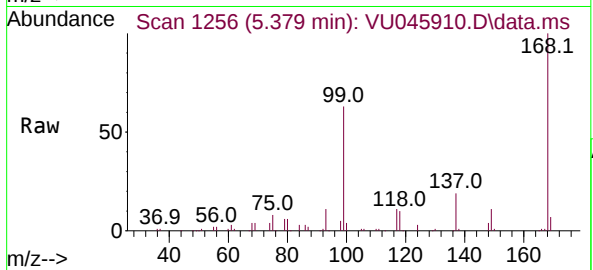
77 0.0 25.0 37.4#



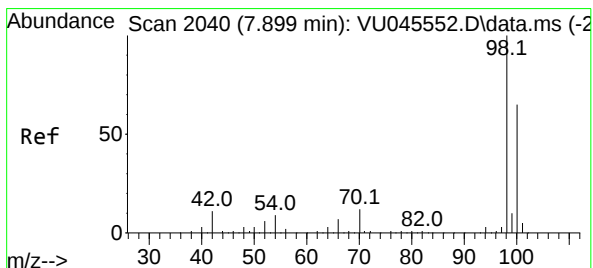
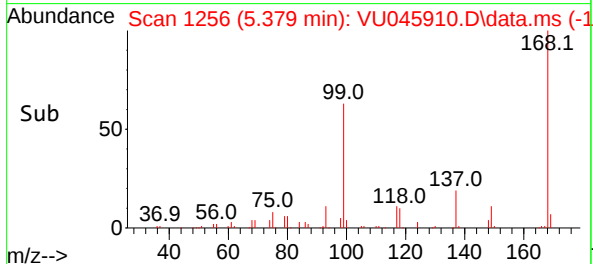
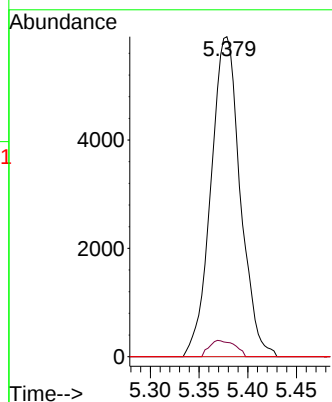


#38
Carbon Tetrachloride
Concen: 6.152 ug/l
RT: 5.379 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

Instrument :
MSVOA_U
ClientSampleId :

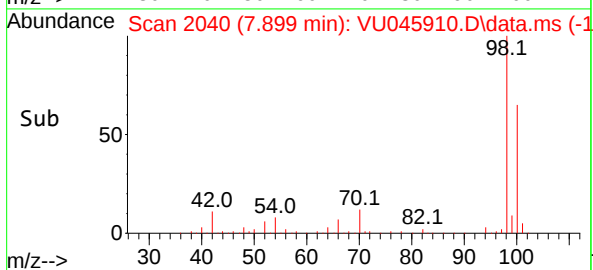
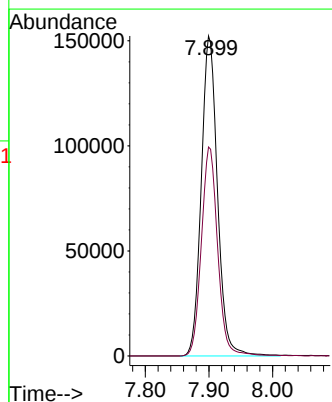
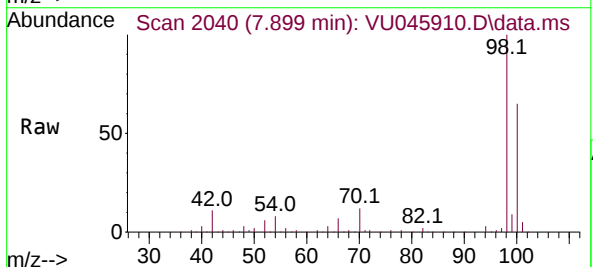


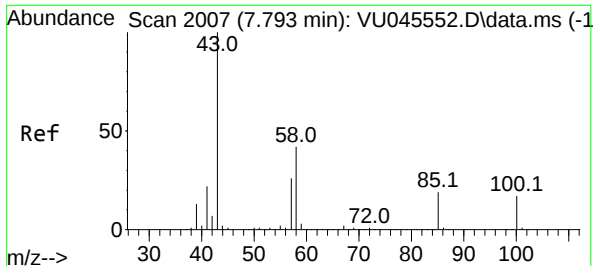
Tgt Ion:117 Resp: 12375
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.0#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.138 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

Tgt Ion: 98 Resp: 269959
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.230 ug/l

RT: 7.790 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU045910.D

Acq: 22 Nov 2021 13:46

Instrument :

MSVOA_U

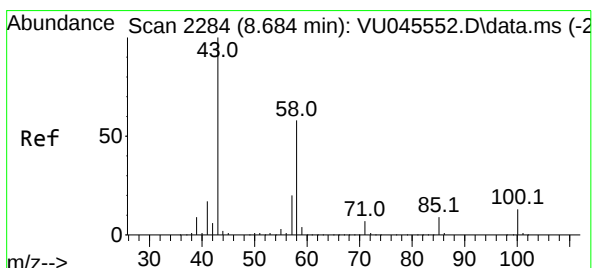
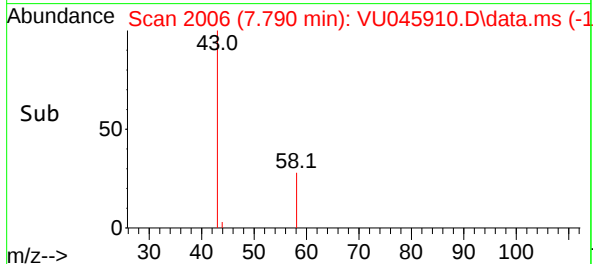
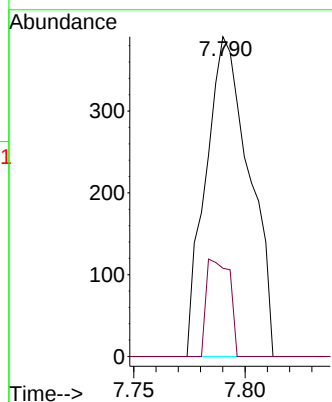
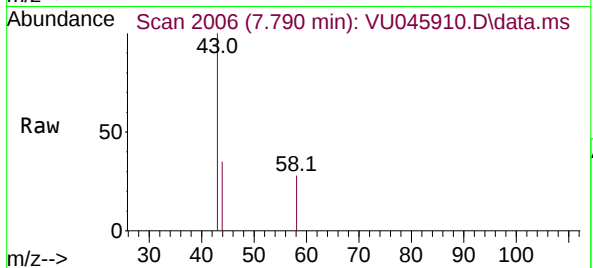
ClientSampleId :

Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

58 16.2 33.8 50.8#



#59

2-Hexanone

Concen: 7.818 ug/l

RT: 8.687 min Scan# 2285

Delta R.T. 0.003 min

Lab File: VU045910.D

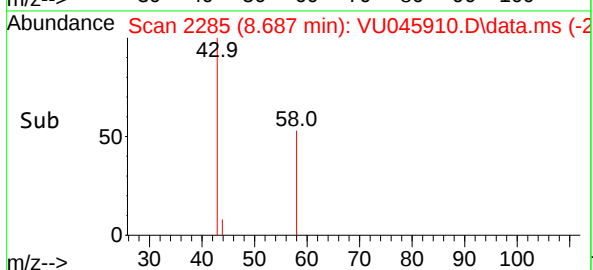
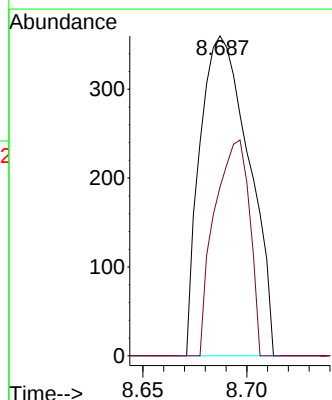
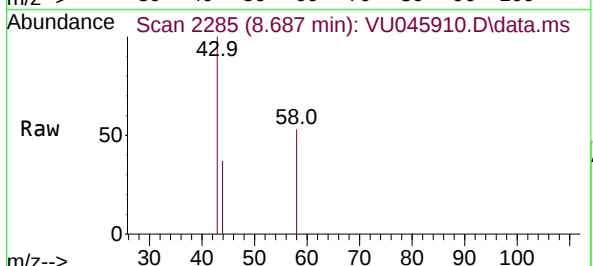
Acq: 22 Nov 2021 13:46

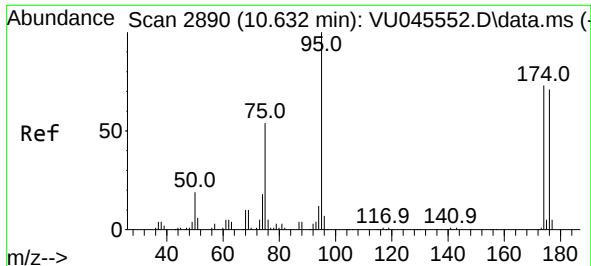
Tgt Ion: 43 Resp: 587

Ion Ratio Lower Upper

43 100

58 48.2 29.5 88.6

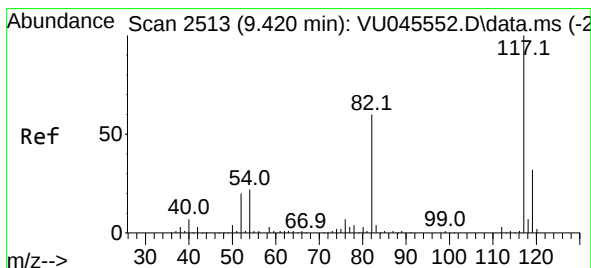
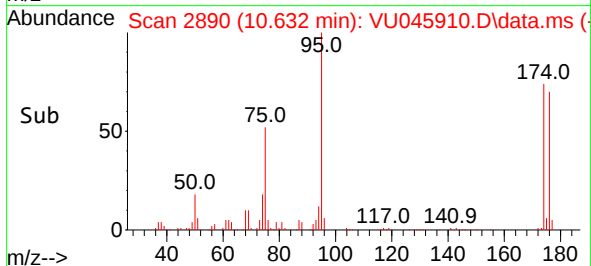
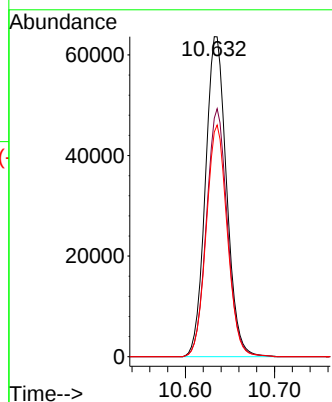
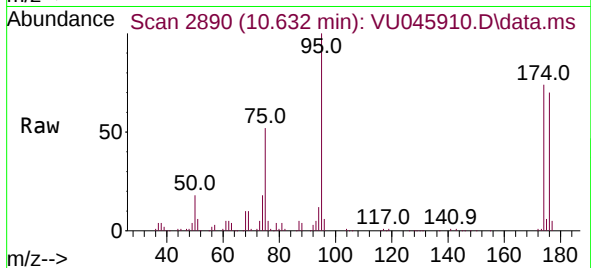




#62
4-Bromofluorobenzene
Concen: 51.510 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

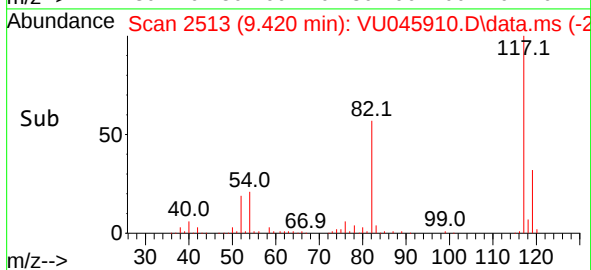
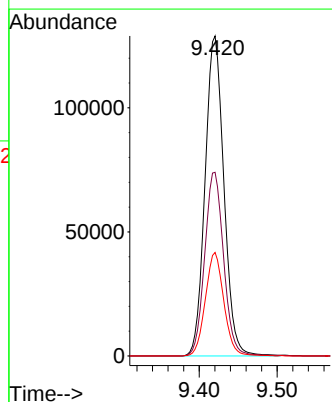
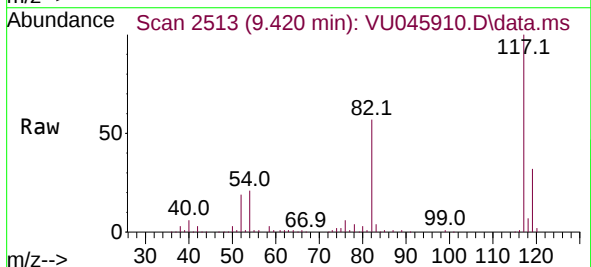
Instrument :
MSVOA_U
ClientSampleId :

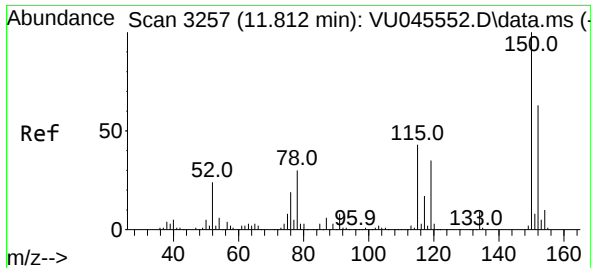
Tgt Ion: 95 Resp: 104936
Ion Ratio Lower Upper
95 100
174 76.6 0.0 141.8
176 72.1 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

Tgt Ion: 117 Resp: 217057
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.8
119 32.3 25.8 38.8

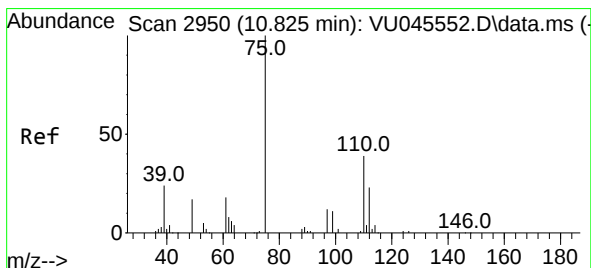
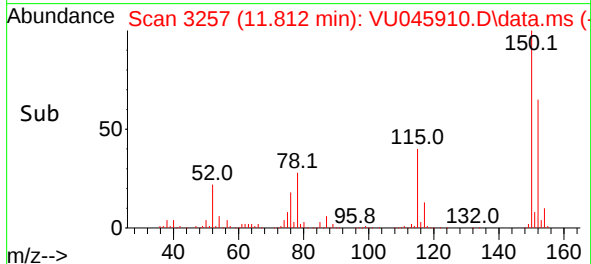
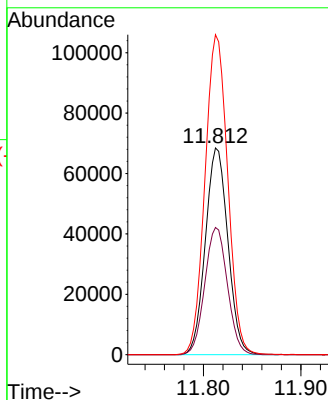
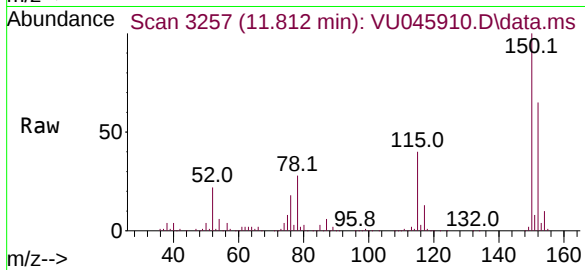




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU045910.D
 Acq: 22 Nov 2021 13:46

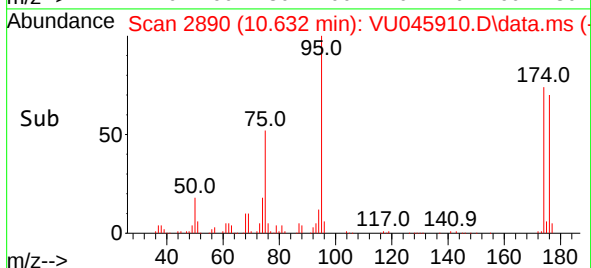
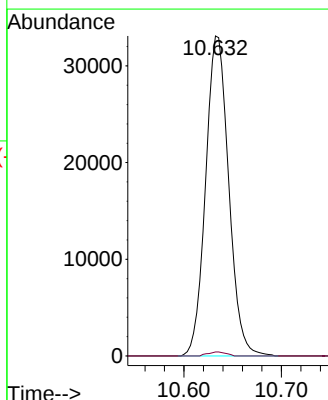
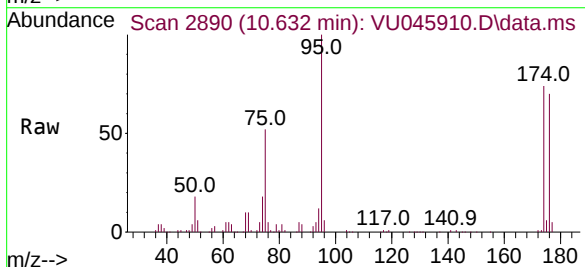
Instrument :
 MSVOA_U
 ClientSampleId :

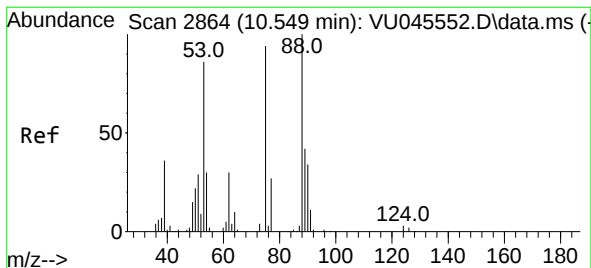
Tgt Ion:152 Resp: 110028
 Ion Ratio Lower Upper
 152 100
 115 61.8 42.7 128.1
 150 156.1 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 16.337 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.193 min
 Lab File: VU045910.D
 Acq: 22 Nov 2021 13:46

Tgt Ion: 75 Resp: 54511
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.1 51.3#

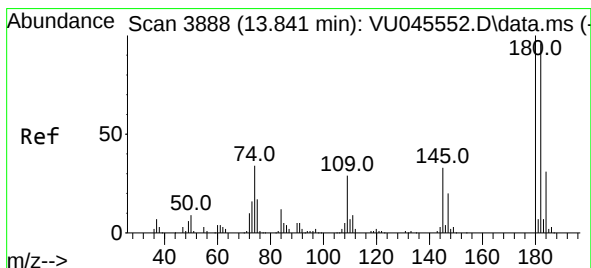
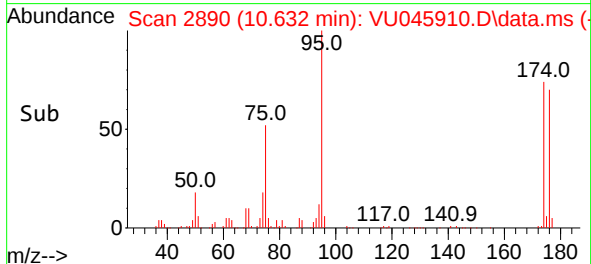
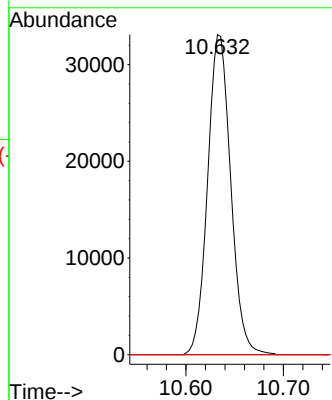
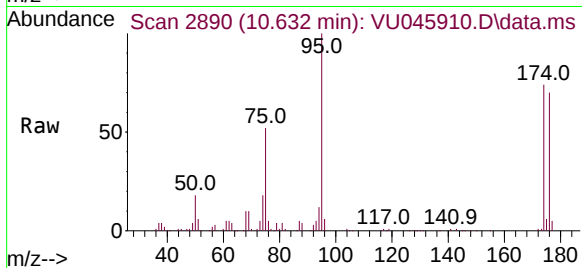




#81
trans-1,4-Dichloro-2-butene
Concen: 53.308 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.083 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

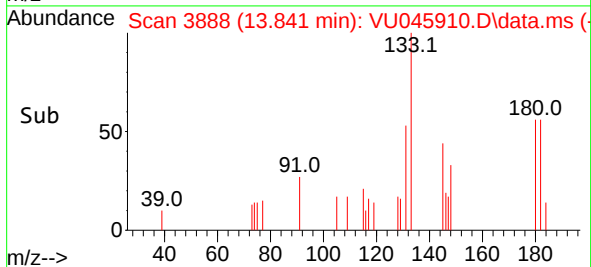
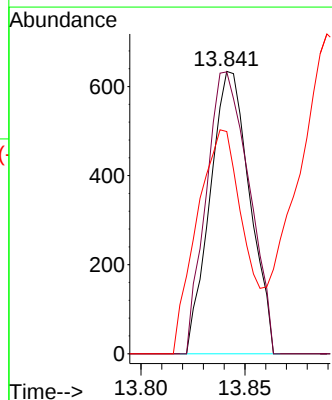
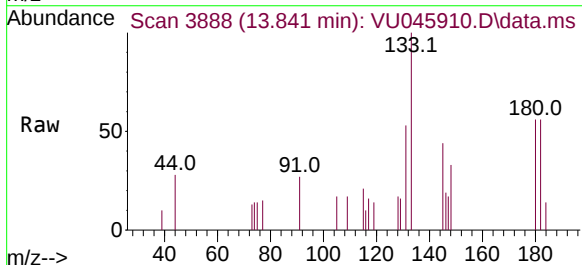
Instrument :
MSVOA_U
ClientSampleId :

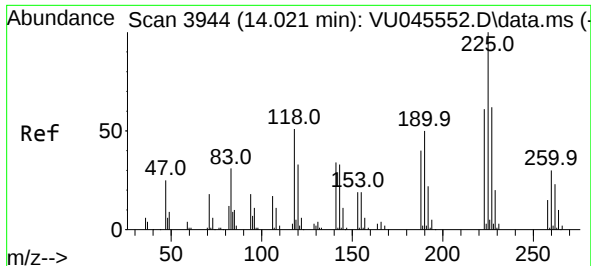
Tgt Ion: 75 Resp: 54511
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.355 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

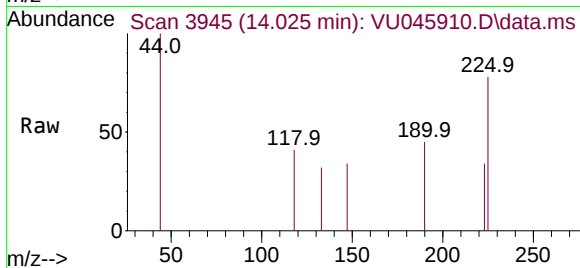
Tgt Ion:180 Resp: 842
Ion Ratio Lower Upper
180 100
182 108.2 47.0 141.2
145 92.8 15.6 46.7#



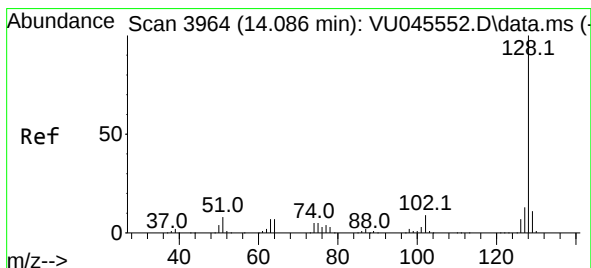
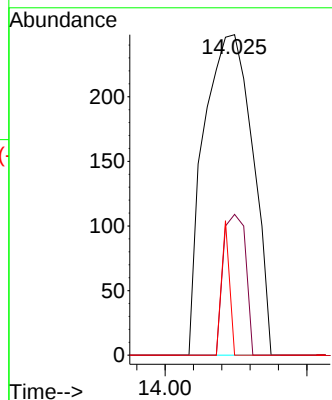
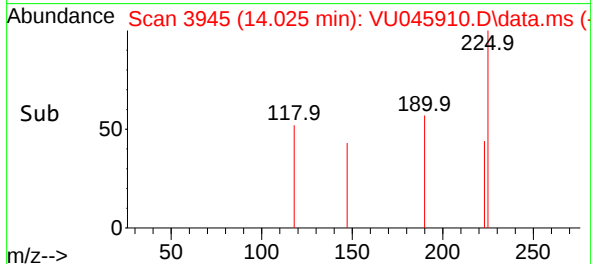


#94
Hexachlorobutadiene
Concen: 0.288 ug/l
RT: 14.025 min Scan# 3944
Delta R.T. 0.003 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

Instrument :
MSVOA_U
ClientSampleId :

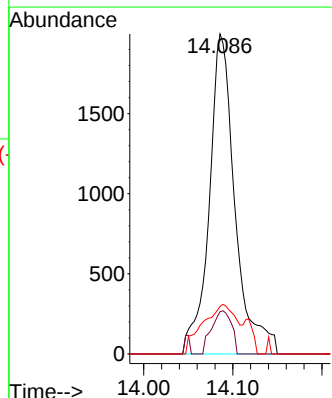
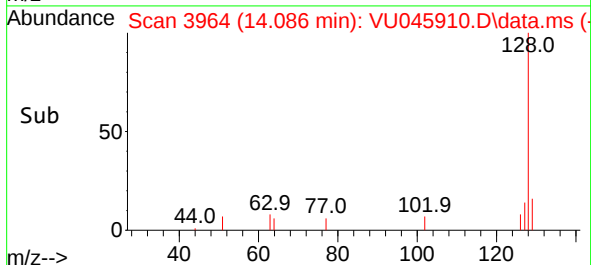
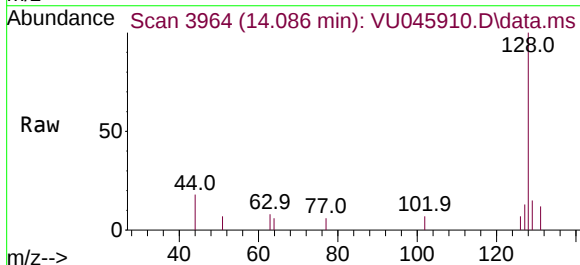


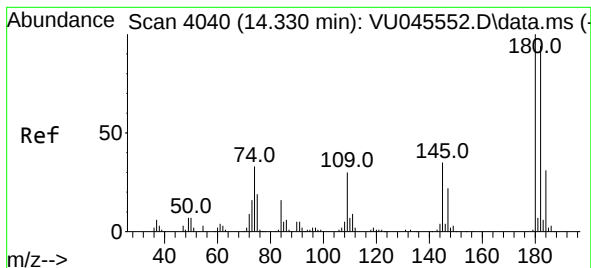
Tgt Ion:225 Resp: 295
Ion Ratio Lower Upper
225 100
223 20.3 32.0 96.2#
227 6.8 31.1 93.5#



#95
Naphthalene
Concen: 1.470 ug/l
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU045910.D
Acq: 22 Nov 2021 13:46

Tgt Ion:128 Resp: 4012
Ion Ratio Lower Upper
128 100
127 10.4 10.6 15.8#
129 19.9 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.425 ug/l

RT: 14.330 min Scan# 40

Delta R.T. 0.000 min

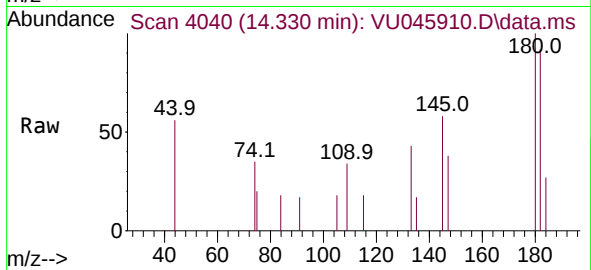
Lab File: VU045910.D

Acq: 22 Nov 2021 13:46

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 999

Ion Ratio Lower Upper

180 100

182 94.2 47.7 143.1

145 0.0 16.7 50.0#

