

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044979.D
 Acq On : 29 Sep 2021 06:51
 Operator : SY/MD
 Sample : M3952-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

Quant Time: Sep 29 07:59:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

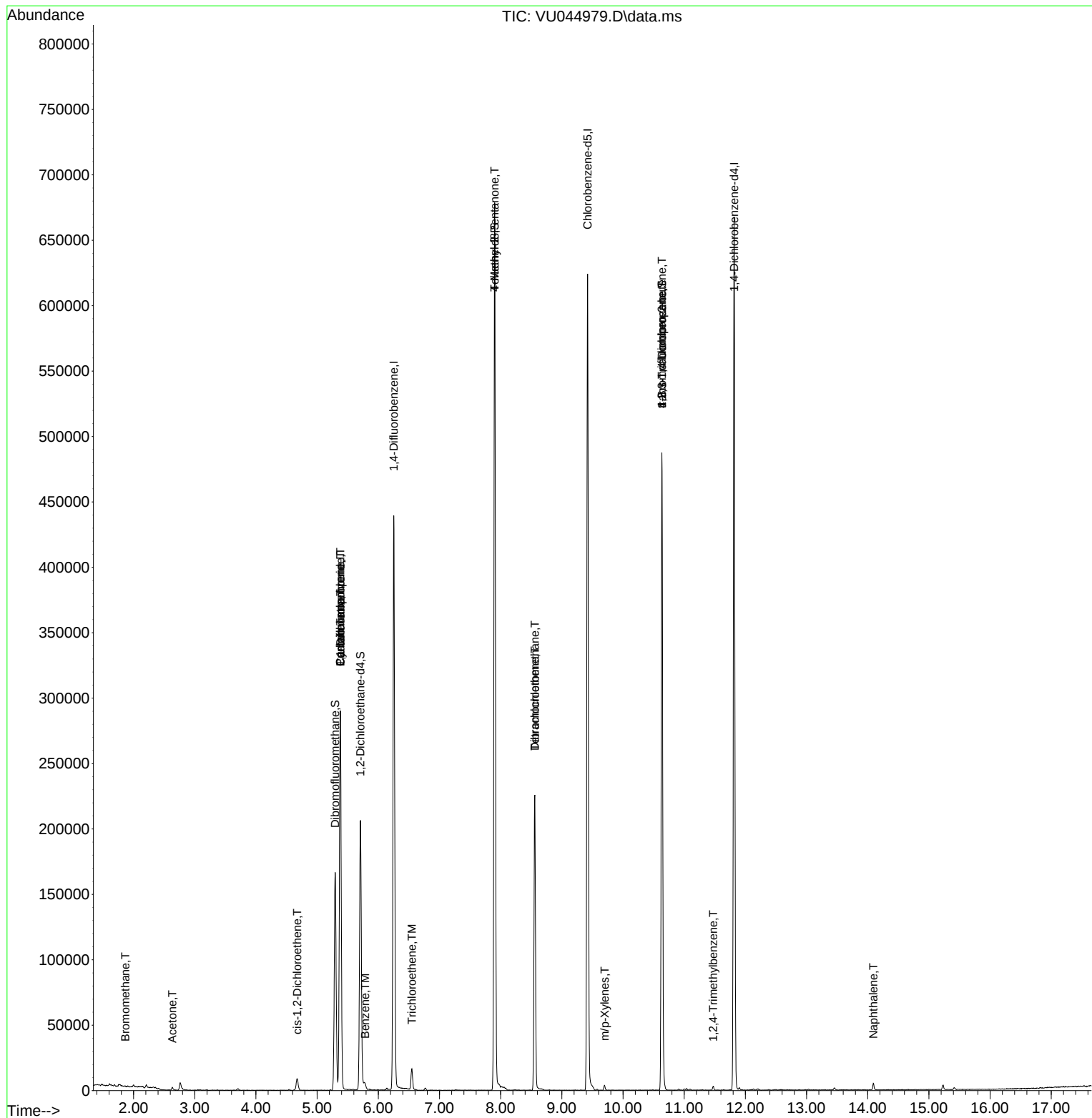
Internal Standards						
1) Pentafluorobenzene	5.379	168	190970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	339535	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	331890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	164514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	157704	49.609	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	99.220%	
35) Dibromofluoromethane	5.295	113	108555	50.682	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.360%	
50) Toluene-d8	7.903	98	436115	51.532	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	103.060%	
62) 4-Bromofluorobenzene	10.636	95	165349	47.324	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	94.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.864	94	288	0.240	ug/l	81
16) Acetone	2.633	43	2556	1.355	ug/l	96
27) cis-1,2-Dichloroethene	4.674	96	4523	1.546	ug/l	90
31) Cyclohexane	5.379	56	5488	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	18127	5.105	ug/l #	49
38) Carbon Tetrachloride	5.379	117	19658	6.398	ug/l #	15
40) Benzene	5.784	78	3776	0.357	ug/l	97
44) Trichloroethene	6.549	130	5316	2.132	ug/l	96
51) 4-Methyl-2-Pentanone	7.903	43	2157	0.419	ug/l #	1
60) Dibromochloromethane	8.558	129	44975	16.887	ug/l #	10
64) Tetrachloroethene	8.558	164	47595	21.972	ug/l	99
68) m/p-Xylenes	9.700	106	1094	0.220	ug/l	74
76) 1,2,3-Trichloropropane	10.636	75	90186	18.794	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	90186	52.157	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.475	105	2187	0.206	ug/l	93
95) Naphthalene	14.092	128	4648	0.383	ug/l #	96

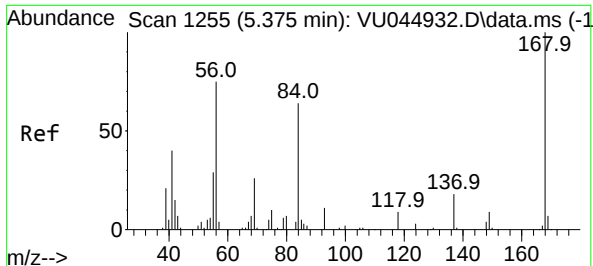
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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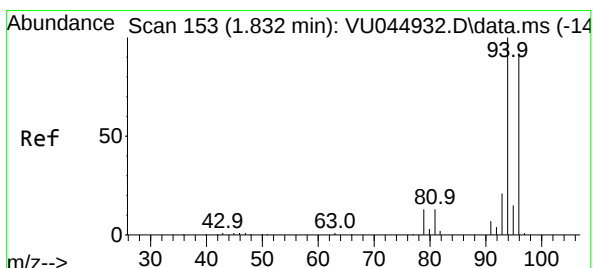
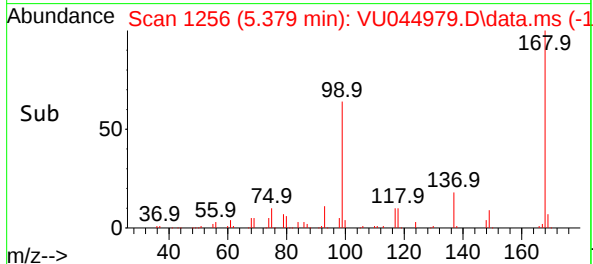
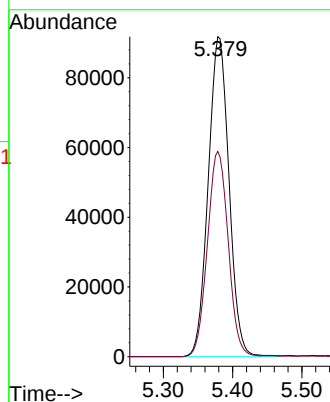
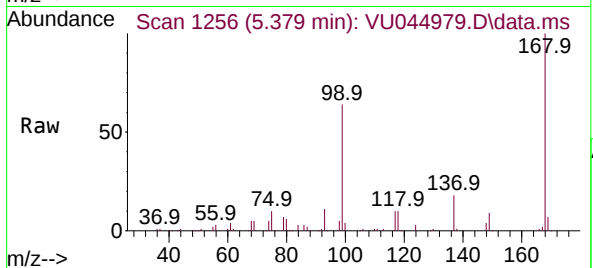




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

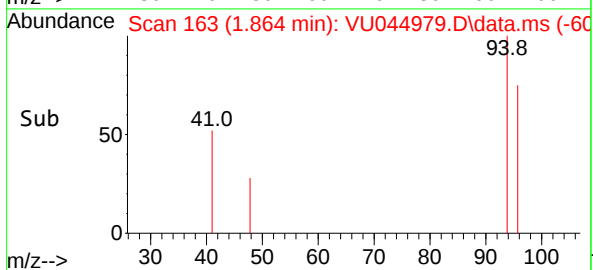
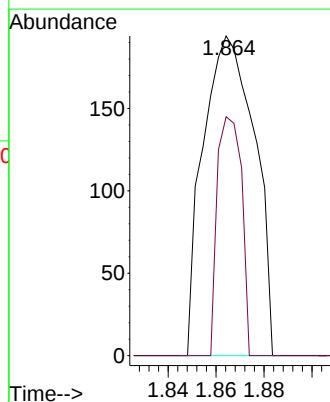
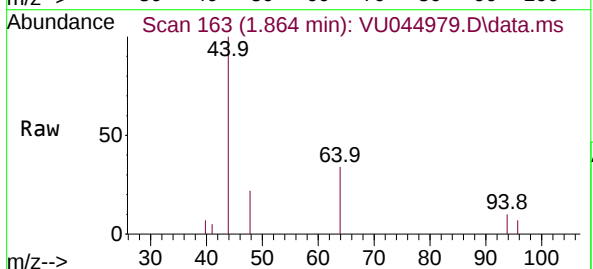
Instrument :
MSVOA_U
ClientSampleId :
MW-5

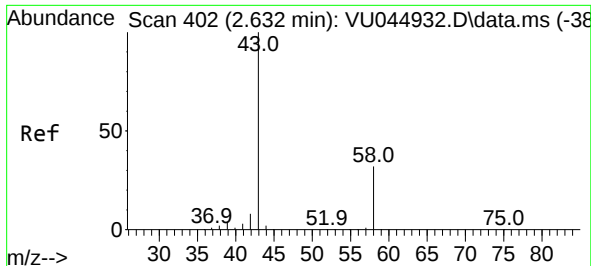
Tgt Ion:168 Resp: 190970
Ion Ratio Lower Upper
168 100
99 64.2 51.4 77.0



#5
Bromomethane
Concen: 0.240 ug/l
RT: 1.864 min Scan# 163
Delta R.T. 0.032 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 74.7 74.5 111.7





#16

Acetone

Concen: 1.355 ug/l

RT: 2.633 min Scan# 402

Delta R.T. 0.001 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

Instrument :

MSVOA_U

ClientSampleId :

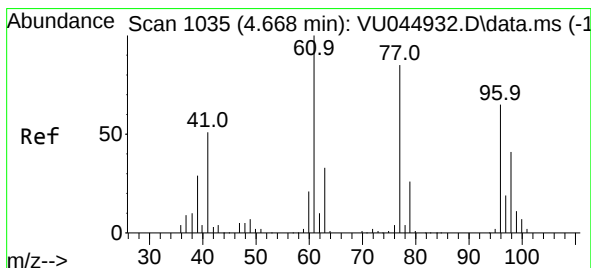
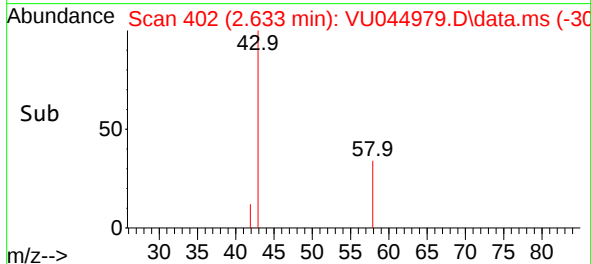
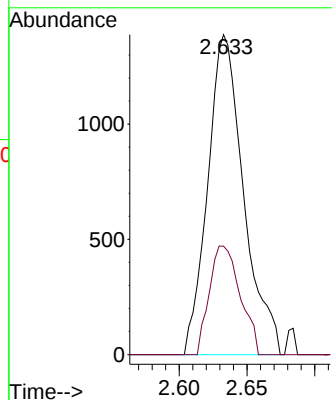
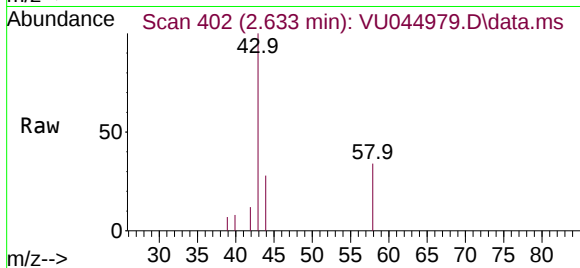
MW-5

Tgt Ion: 43 Resp: 2556

Ion Ratio Lower Upper

43 100

58 33.9 25.2 37.8



#27

cis-1,2-Dichloroethene

Concen: 1.546 ug/l

RT: 4.674 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

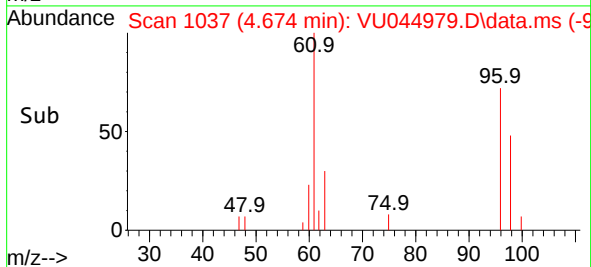
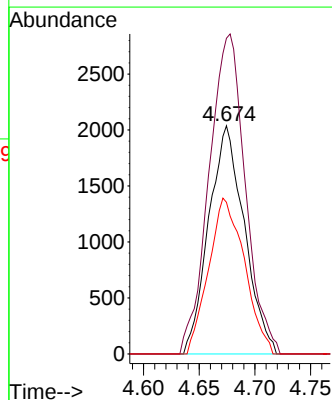
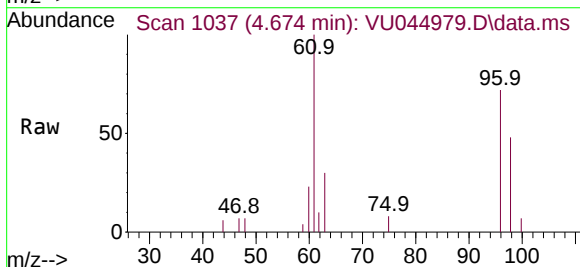
Tgt Ion: 96 Resp: 4523

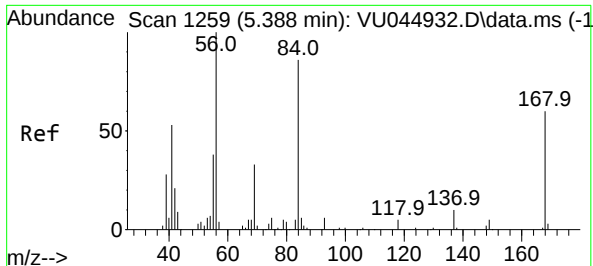
Ion Ratio Lower Upper

96 100

61 142.9 0.0 313.4

98 68.8 0.0 127.0

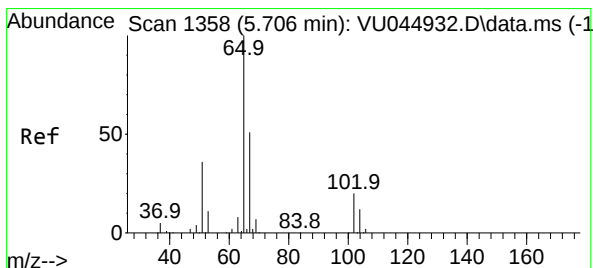
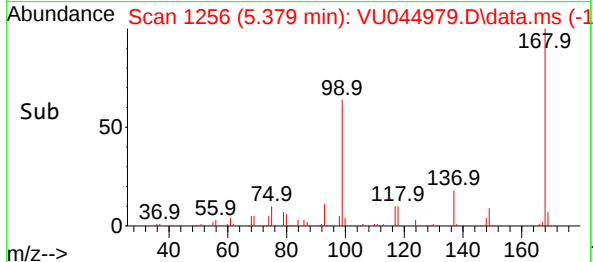
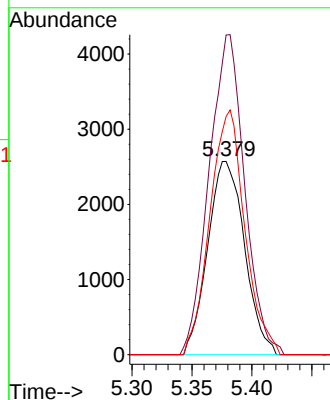
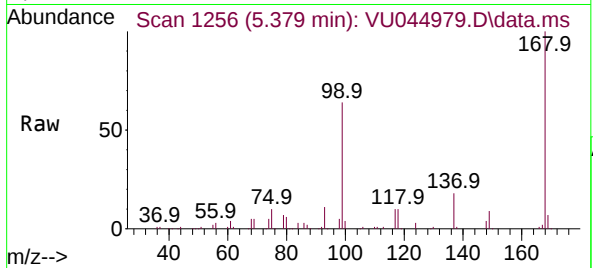




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.009 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

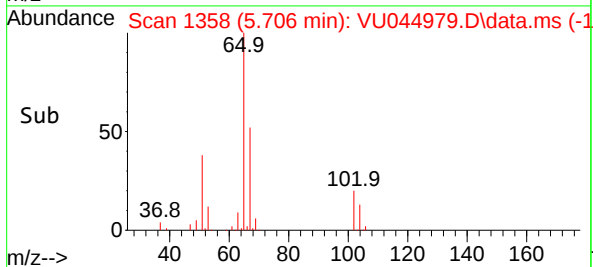
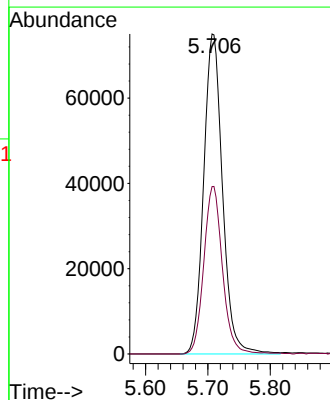
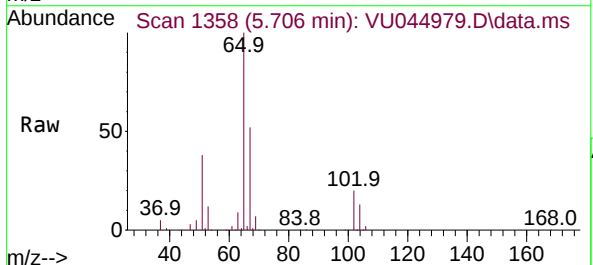
Instrument :
MSVOA_U
ClientSampleId :
MW-5

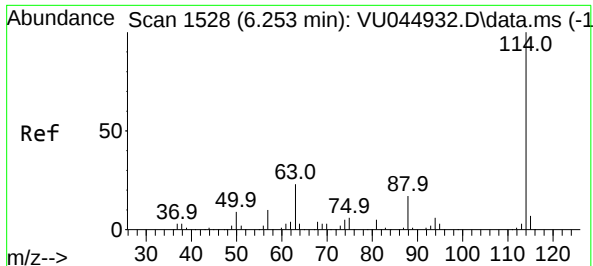
Tgt Ion: 56 Resp: 5488
Ion Ratio Lower Upper
56 100
69 165.4 25.2 37.8#
84 123.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.609 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

Tgt Ion: 65 Resp: 157704
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

Instrument :

MSVOA_U

ClientSampleId :

MW-5

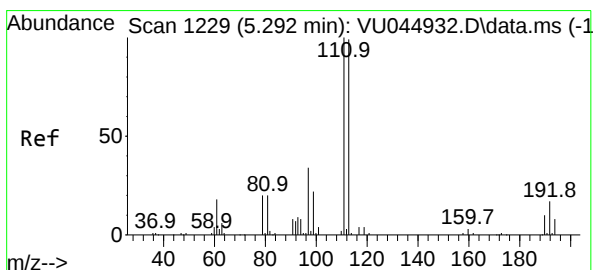
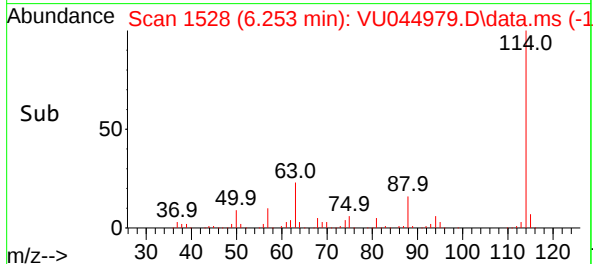
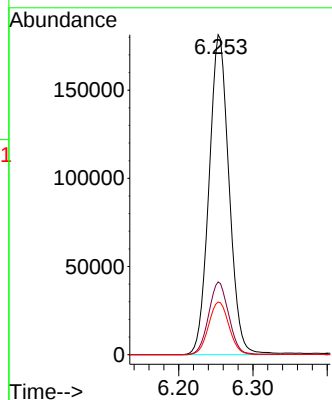
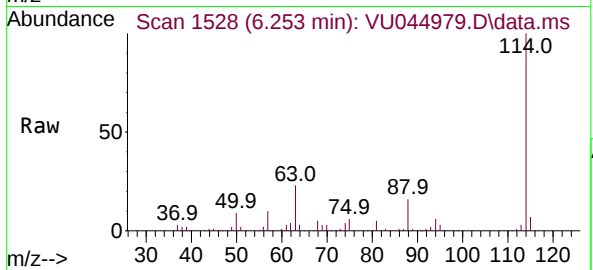
Tgt Ion:114 Resp: 339535

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.8

88 16.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.682 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

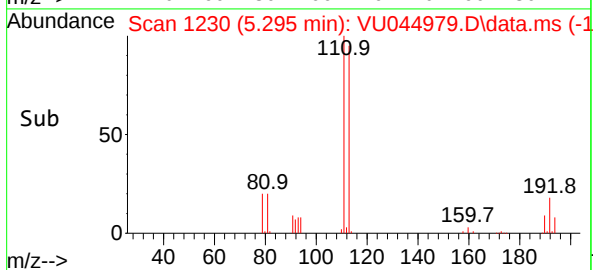
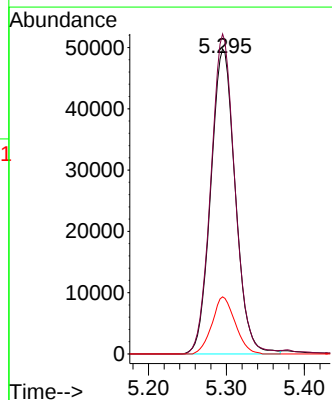
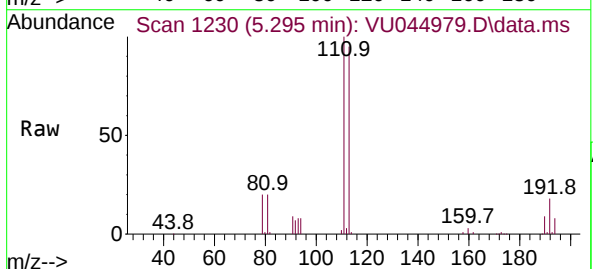
Tgt Ion:113 Resp: 108555

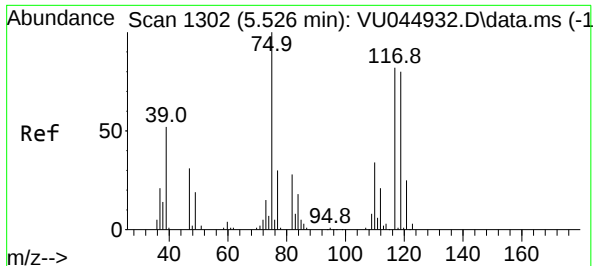
Ion Ratio Lower Upper

113 100

111 103.0 84.1 126.1

192 17.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.105 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

Instrument :

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ClientSampleId :

MW-5

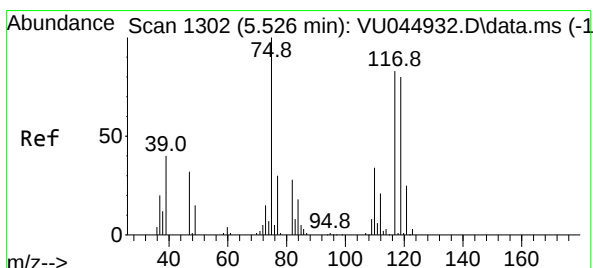
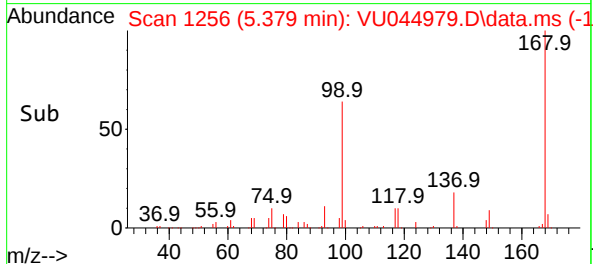
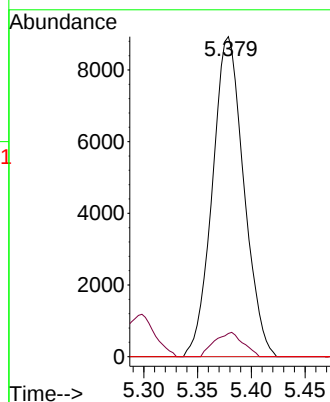
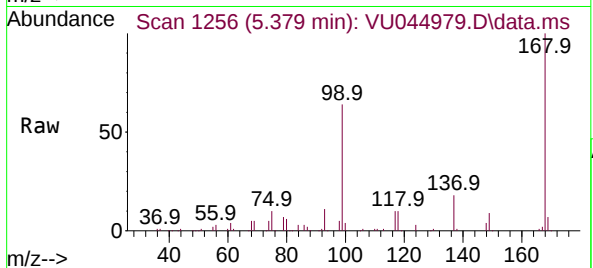
Tgt Ion: 75 Resp: 18127

Ion Ratio Lower Upper

75 100

110 6.9 16.3 48.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.398 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

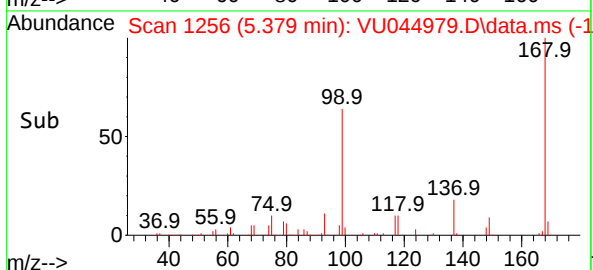
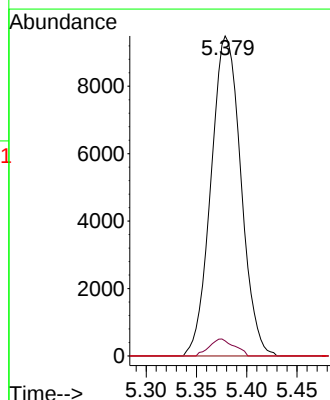
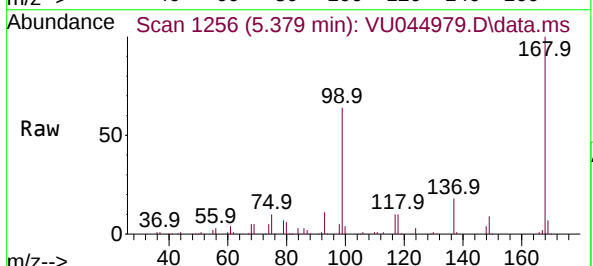
Tgt Ion: 117 Resp: 19658

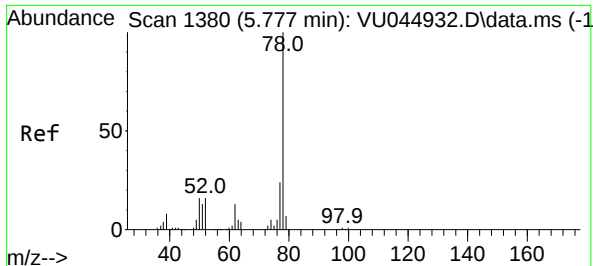
Ion Ratio Lower Upper

117 100

119 4.7 77.4 116.2#

121 0.0 24.5 36.7#





#40

Benzene

Concen: 0.357 ug/l

RT: 5.784 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

Instrument :

MSVOA_U

ClientSampleId :

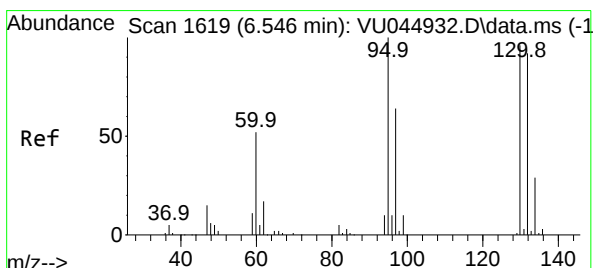
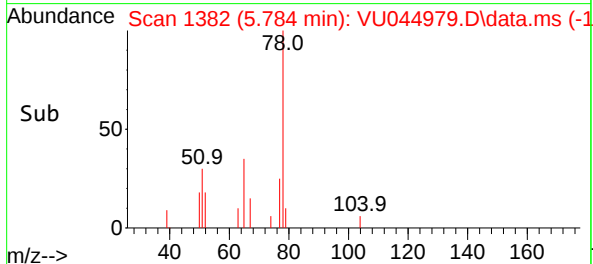
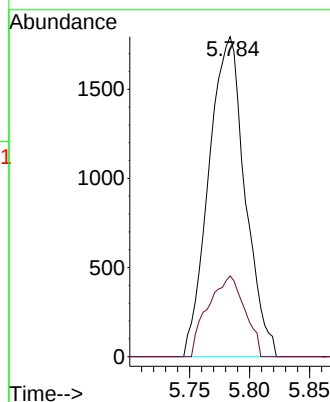
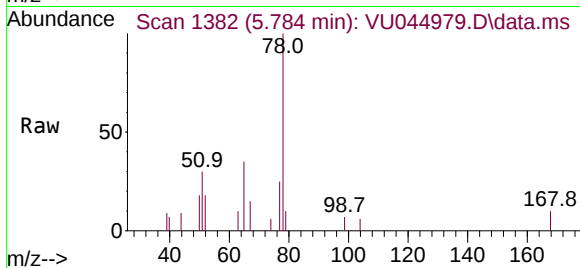
MW-5

Tgt Ion: 78 Resp: 3776

Ion Ratio Lower Upper

78 100

77 25.2 19.1 28.7



#44

Trichloroethene

Concen: 2.132 ug/l

RT: 6.549 min Scan# 1620

Delta R.T. 0.003 min

Lab File: VU044979.D

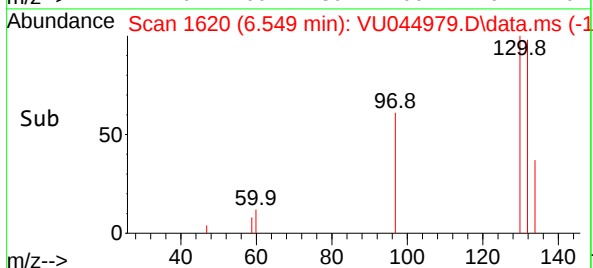
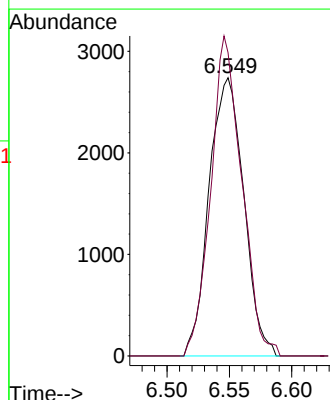
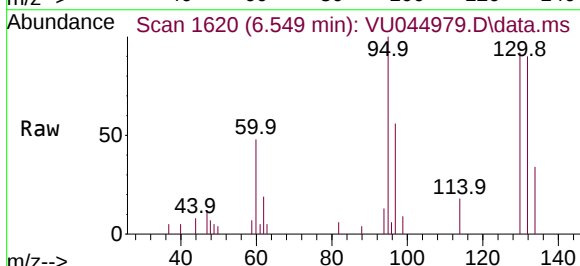
Acq: 29 Sep 2021 06:51

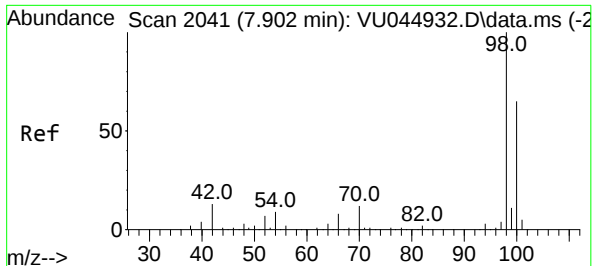
Tgt Ion:130 Resp: 5316

Ion Ratio Lower Upper

130 100

95 109.1 0.0 209.0





#50

Toluene-d8

Concen: 51.532 ug/l

RT: 7.903 min Scan# 2041

Delta R.T. 0.001 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

Instrument :

MSVOA_U

ClientSampleId :

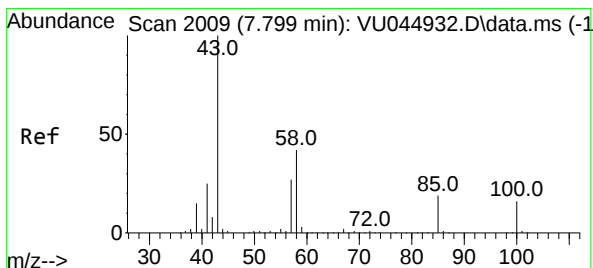
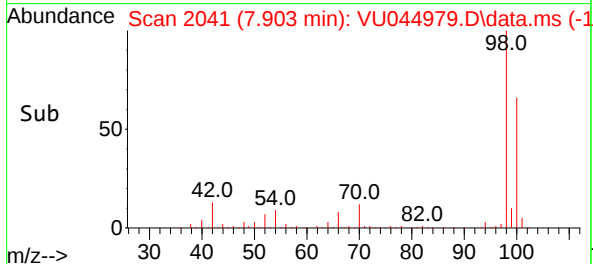
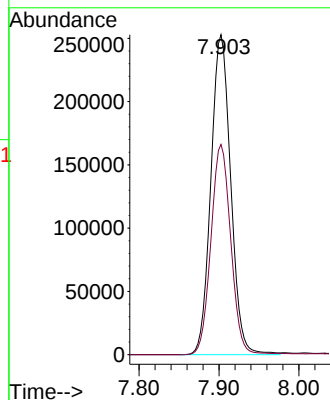
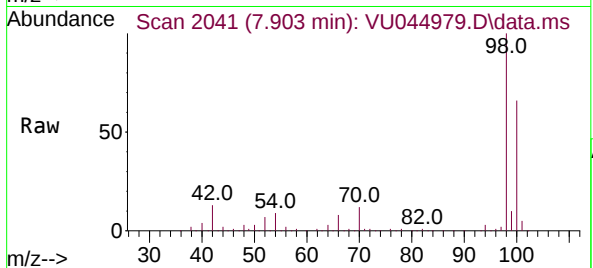
MW-5

Tgt Ion: 98 Resp: 436115

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.419 ug/l

RT: 7.903 min Scan# 2041

Delta R.T. 0.104 min

Lab File: VU044979.D

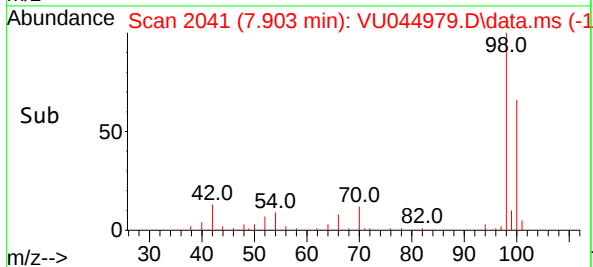
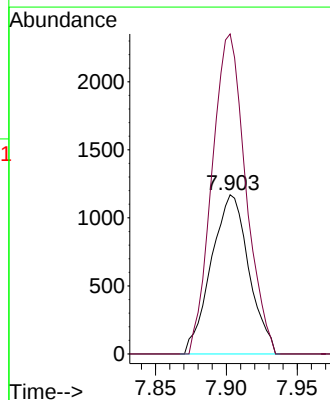
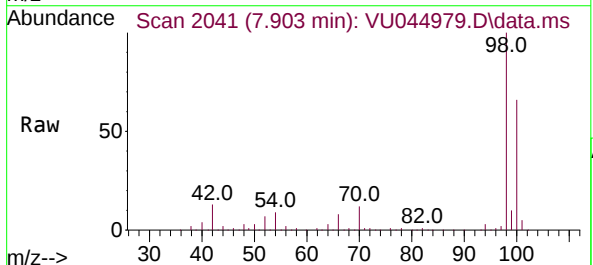
Acq: 29 Sep 2021 06:51

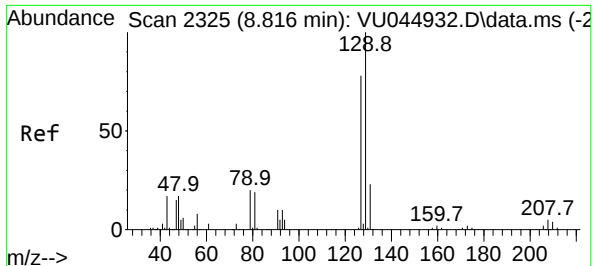
Tgt Ion: 43 Resp: 2157

Ion Ratio Lower Upper

43 100

58 180.7 32.4 48.6#

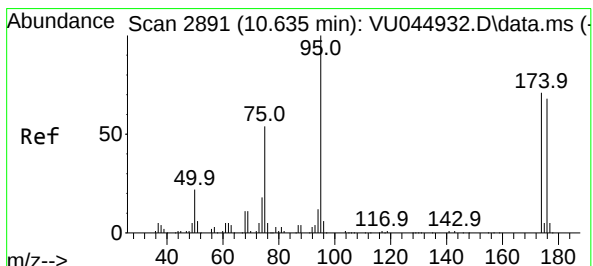
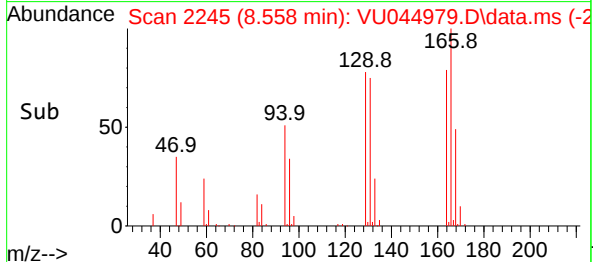
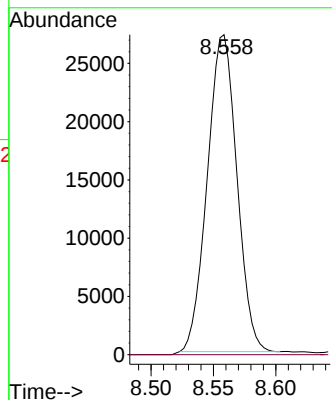
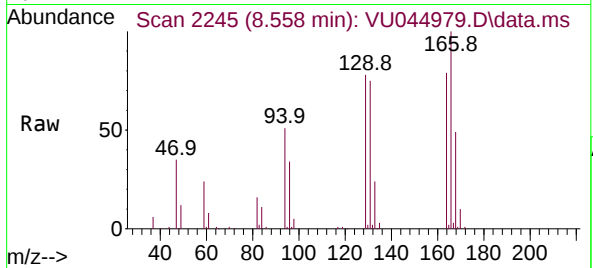




#60
Dibromochloromethane
Concen: 16.887 ug/l
RT: 8.558 min Scan# 211
Delta R.T. -0.258 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

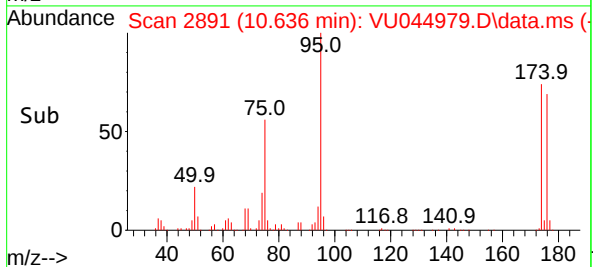
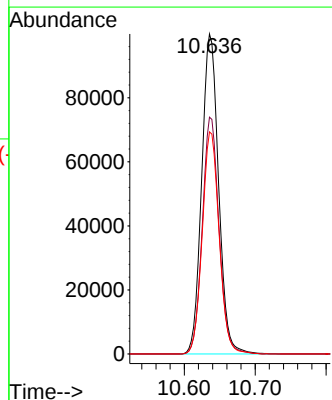
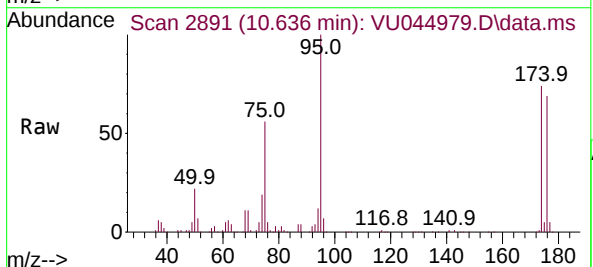
Instrument :
MSVOA_U
ClientSampleId :
MW-5

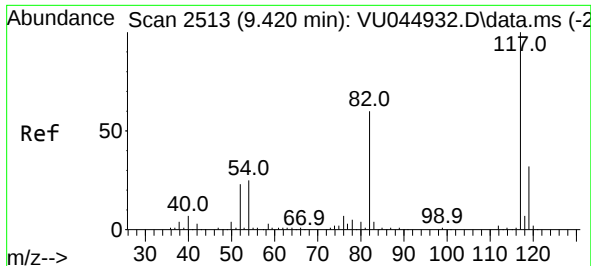
Tgt Ion:129 Resp: 44975
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 47.324 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

Tgt Ion: 95 Resp: 165349
Ion Ratio Lower Upper
95 100
174 73.2 0.0 146.6
176 69.5 0.0 141.2

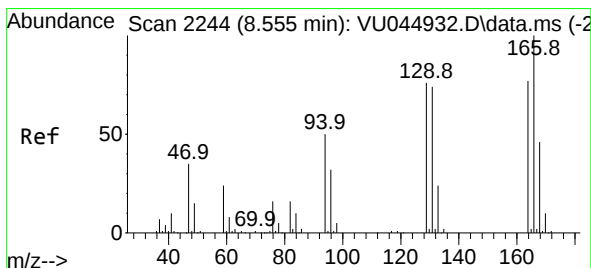
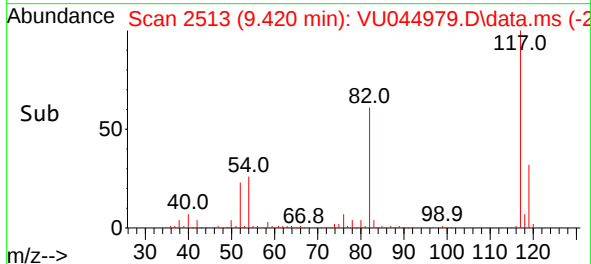
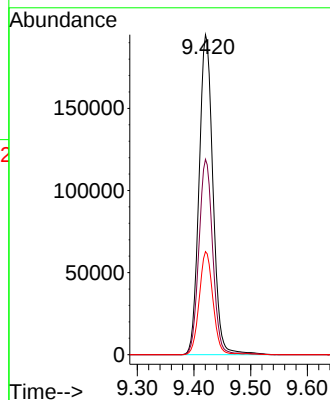
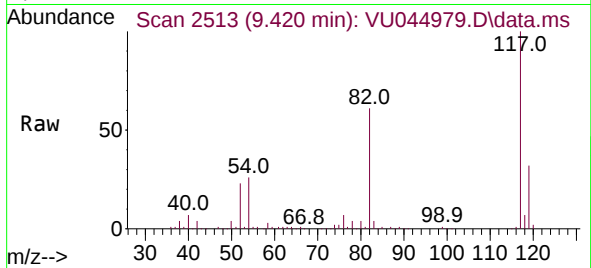




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

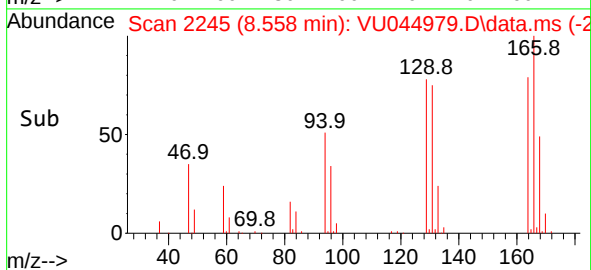
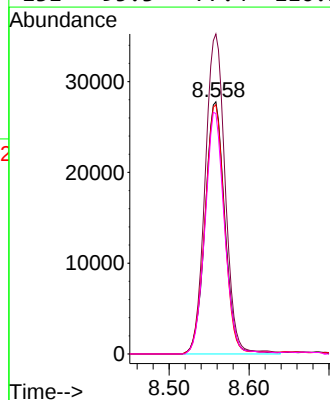
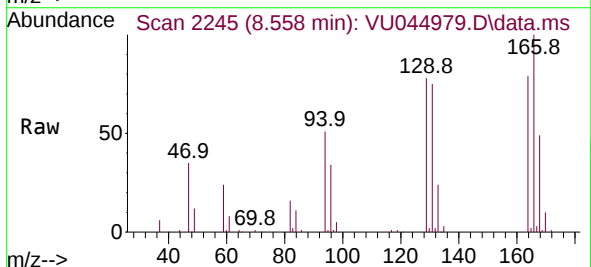
Instrument :
MSVOA_U
ClientSampleId :
MW-5

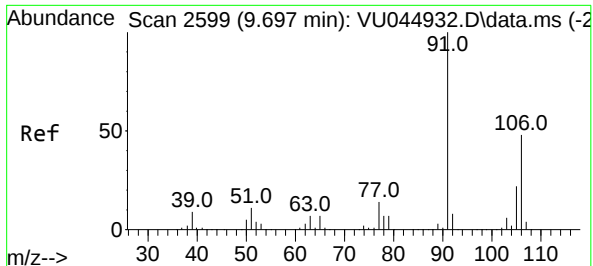
Tgt Ion:117 Resp: 331890
Ion Ratio Lower Upper
117 100
82 61.1 47.8 71.8
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 21.972 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

Tgt Ion:164 Resp: 47595
Ion Ratio Lower Upper
164 100
166 126.9 102.8 154.2
129 98.8 79.4 119.2
131 95.3 77.4 116.2





#68

m/p-Xylenes

Concen: 0.220 ug/l

RT: 9.700 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

Instrument :

MSVOA_U

ClientSampleId :

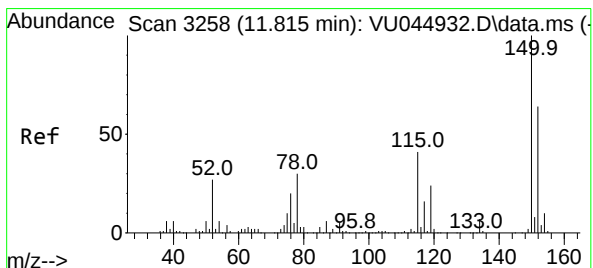
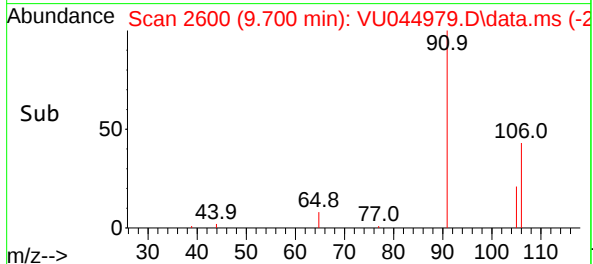
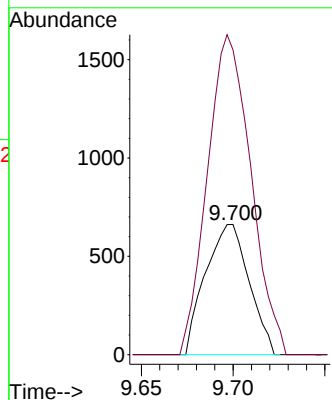
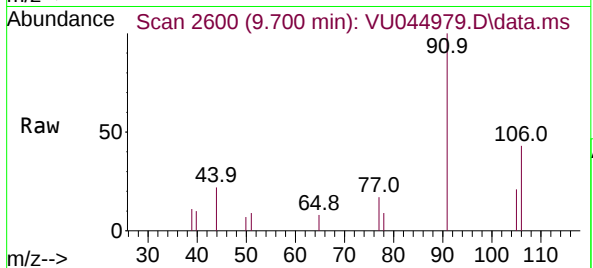
MW-5

Tgt Ion:106 Resp: 1094

Ion Ratio Lower Upper

106 100

91 245.1 164.2 246.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.816 min Scan# 3258

Delta R.T. 0.001 min

Lab File: VU044979.D

Acq: 29 Sep 2021 06:51

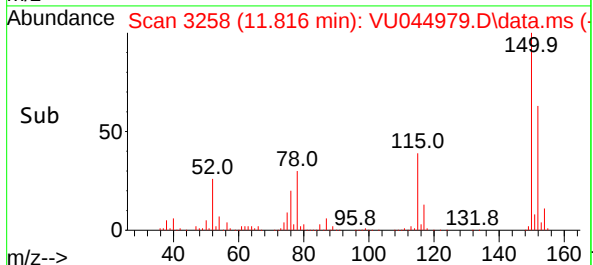
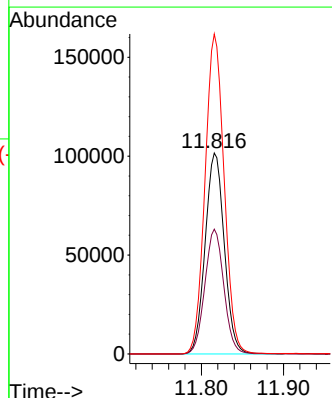
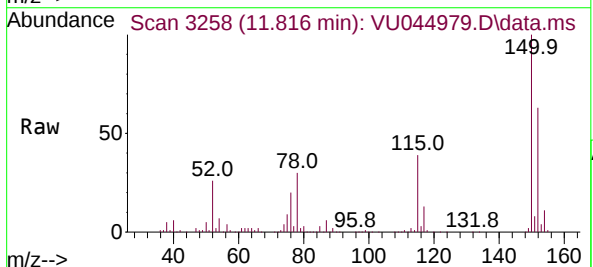
Tgt Ion:152 Resp: 164514

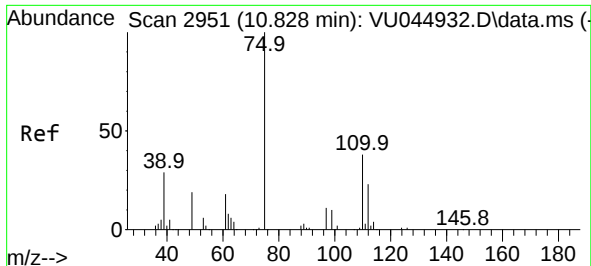
Ion Ratio Lower Upper

152 100

115 61.6 43.5 130.7

150 158.7 0.0 350.0

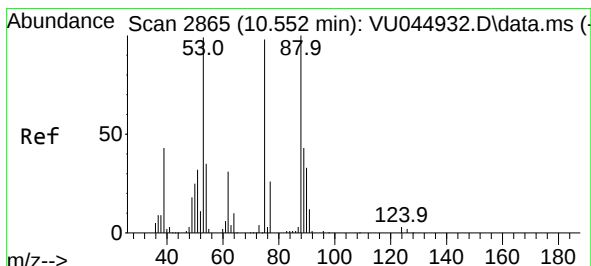
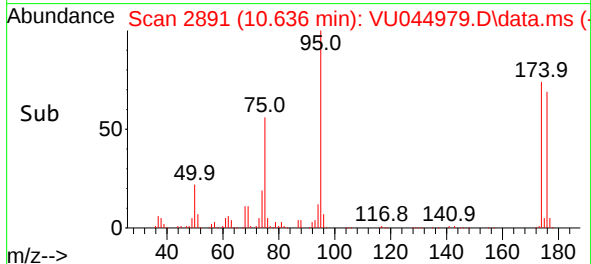
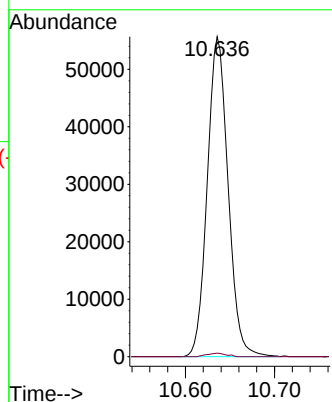
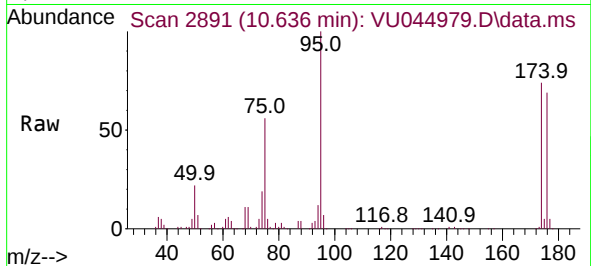




#76
 1,2,3-Trichloropropane
 Concen: 18.794 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU044979.D
 Acq: 29 Sep 2021 06:51

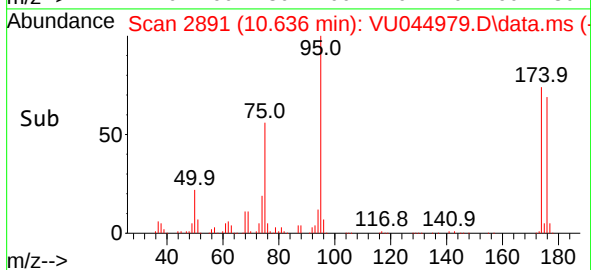
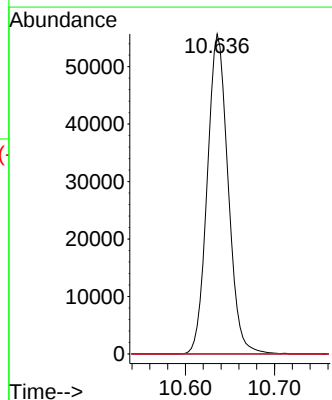
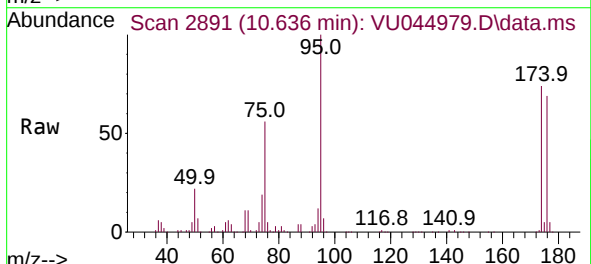
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

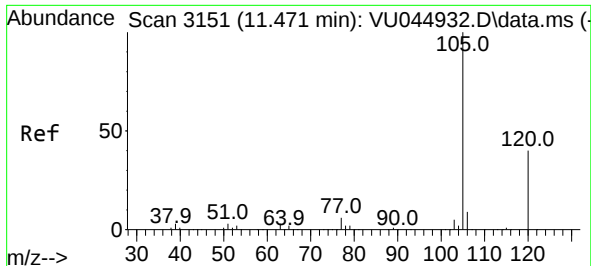
Tgt Ion: 75 Resp: 90186
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.157 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. 0.084 min
 Lab File: VU044979.D
 Acq: 29 Sep 2021 06:51

Tgt Ion: 75 Resp: 90186
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

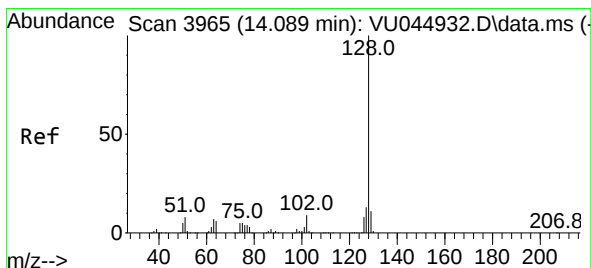
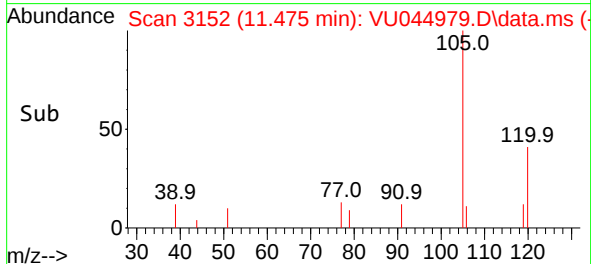
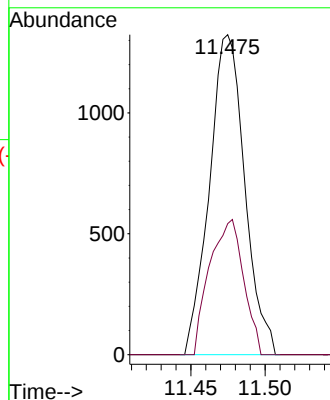
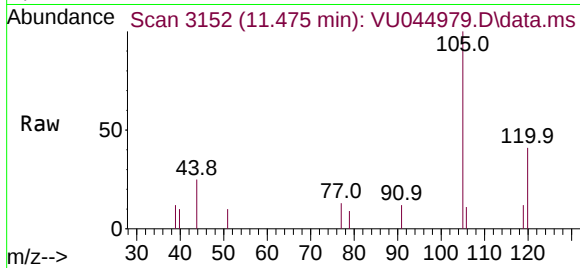




#84
1,2,4-Trimethylbenzene
Concen: 0.206 ug/l
RT: 11.475 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

Instrument :
MSVOA_U
ClientSampleId :
MW-5

Tgt Ion:105 Resp: 2187
Ion Ratio Lower Upper
105 100
120 40.6 22.4 67.3



#95
Naphthalene
Concen: 0.383 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044979.D
Acq: 29 Sep 2021 06:51

Tgt Ion:128 Resp: 4648
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 7.6 8.6 13.0#

