

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044978.D
 Acq On : 29 Sep 2021 06:27
 Operator : SY/MD
 Sample : M3952-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Quant Time: Sep 29 07:59:16 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)

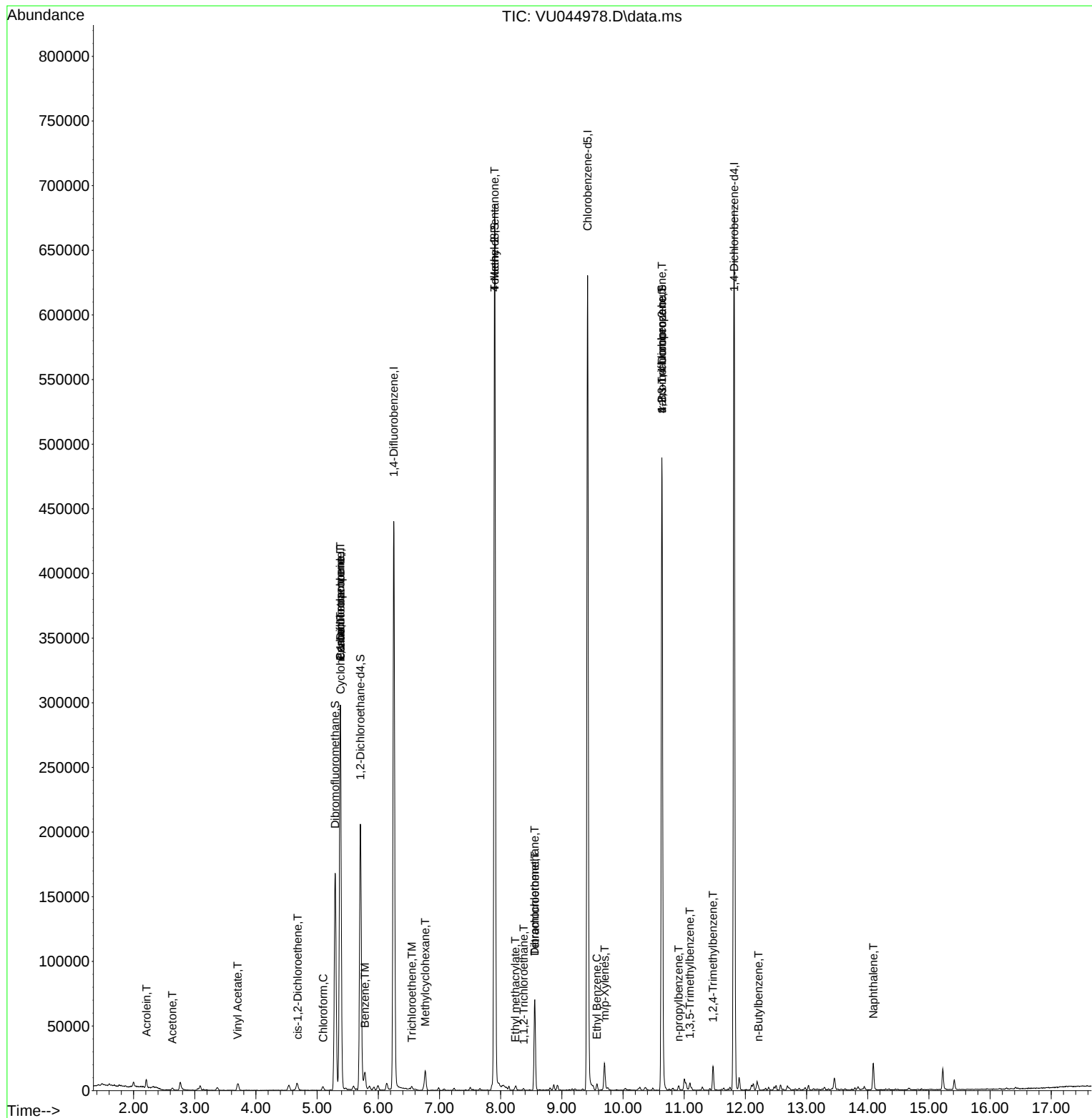
Internal Standards						
1) Pentafluorobenzene	5.379	168	192448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	342491	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	332149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	166410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	160029	49.954	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.900%		
35) Dibromofluoromethane	5.295	113	111361	51.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.080%		
50) Toluene-d8	7.903	98	443677	51.973	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.940%		
62) 4-Bromofluorobenzene	10.636	95	166668	47.290	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.580%		
Target Compounds					Qvalue	
13) Acrolein	2.215	56	41	3.351	ug/l #	1
16) Acetone	2.633	43	2047	1.076	ug/l	91
23) Vinyl Acetate	3.700	43	1695	0.242	ug/l #	55
27) cis-1,2-Dichloroethene	4.681	96	2791	0.947	ug/l	86
30) Chloroform	5.099	83	2701	0.541	ug/l	96
31) Cyclohexane	5.385	56	7278	1.496	ug/l #	41
36) 1,1-Dichloropropene	5.379	75	17897	4.997	ug/l #	50
38) Carbon Tetrachloride	5.379	117	19931	6.431	ug/l #	16
39) Methylcyclohexane	6.768	83	5789	1.317	ug/l	98
40) Benzene	5.781	78	11433	1.072	ug/l	100
44) Trichloroethene	6.549	130	678	0.270	ug/l	96
51) 4-Methyl-2-Pentanone	7.903	43	2342	0.451	ug/l #	1
55) 1,1,2-Trichloroethane	8.375	97	624	0.224	ug/l #	15
56) Ethyl methacrylate	8.240	69	561	1.921	ug/l #	41
60) Dibromochloromethane	8.555	129	14628	6.920	ug/l #	10
64) Tetrachloroethene	8.559	164	15057	6.946	ug/l	97
67) Ethyl Benzene	9.575	91	3619	0.282	ug/l	99
68) m/p-Xylenes	9.700	106	5733	1.152	ug/l	95
76) 1,2,3-Trichloropropane	10.636	75	91166	18.782	ug/l #	41
78) n-propylbenzene	10.909	91	3086	0.204	ug/l	90
80) 1,3,5-Trimethylbenzene	11.092	105	3540	0.326	ug/l	92
81) trans-1,4-Dichloro-2-b...	10.636	75	91166	52.124	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.472	105	9949	0.926	ug/l	97
89) n-Butylbenzene	12.214	91	2244	0.223	ug/l #	65
95) Naphthalene	14.092	128	17433	1.420	ug/l	98

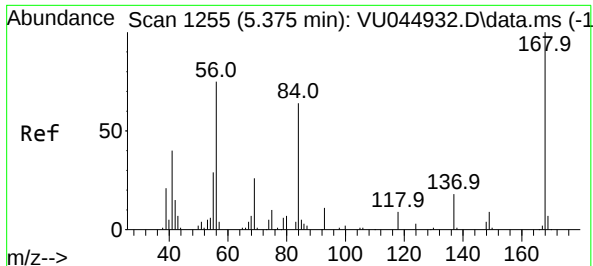
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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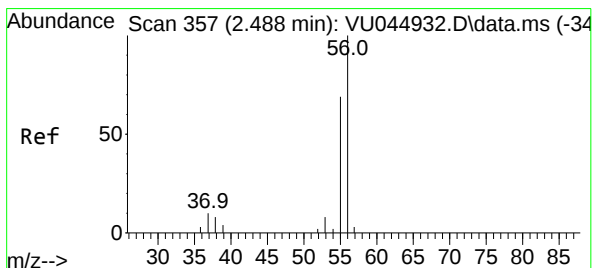
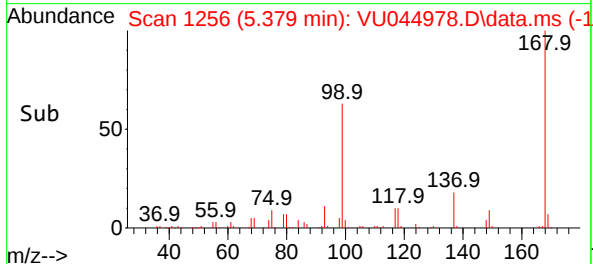
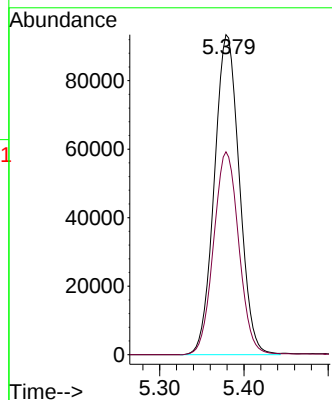
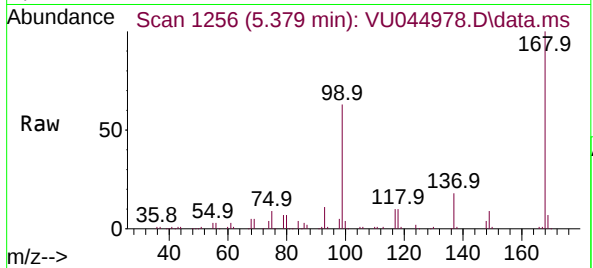




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

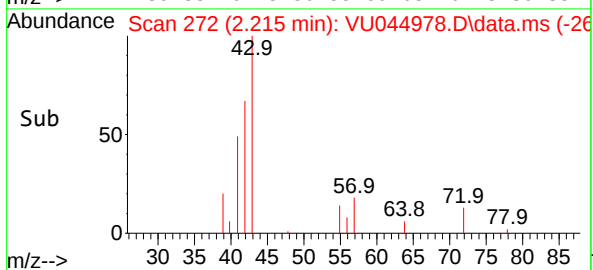
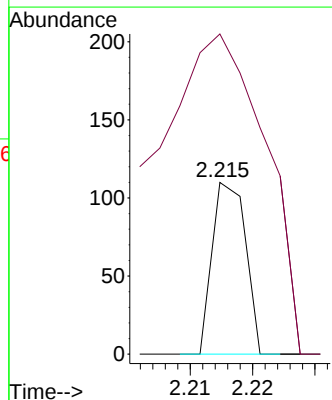
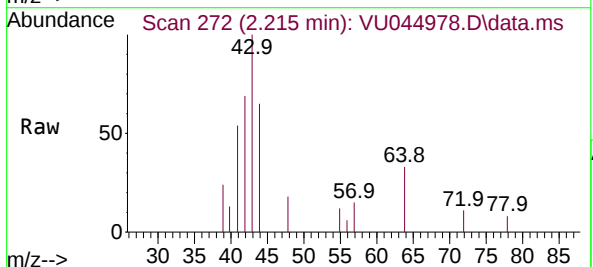
Instrument :
MSVOA_U
ClientSampleId :
MW-4

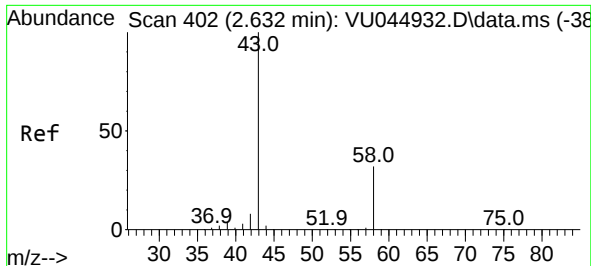
Tgt Ion:168 Resp: 192448
Ion Ratio Lower Upper
168 100
99 63.4 51.4 77.0



#13
Acrolein
Concen: 3.351 ug/l
RT: 2.215 min Scan# 272
Delta R.T. -0.273 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 643.9 57.4 86.0#





#16

Acetone

Concen: 1.076 ug/l

RT: 2.633 min Scan# 40

Delta R.T. 0.001 min

Lab File: VU044978.D

Acq: 29 Sep 2021 06:27

Instrument :

MSVOA_U

ClientSampleId :

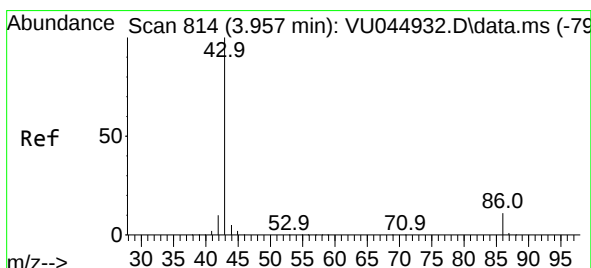
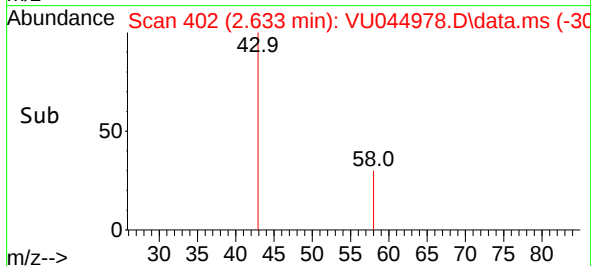
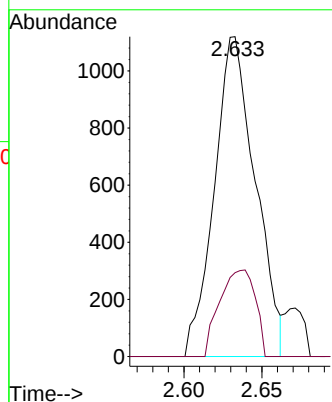
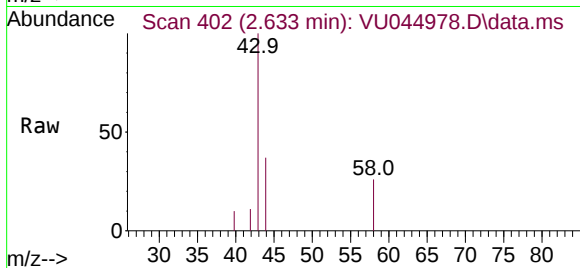
MW-4

Tgt Ion: 43 Resp: 2047

Ion Ratio Lower Upper

43 100

58 26.3 25.2 37.8



#23

Vinyl Acetate

Concen: 0.242 ug/l

RT: 3.700 min Scan# 734

Delta R.T. -0.257 min

Lab File: VU044978.D

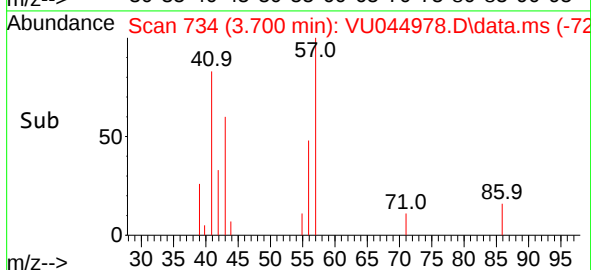
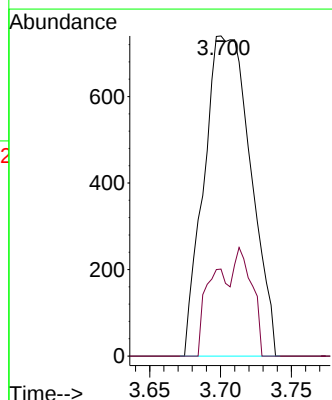
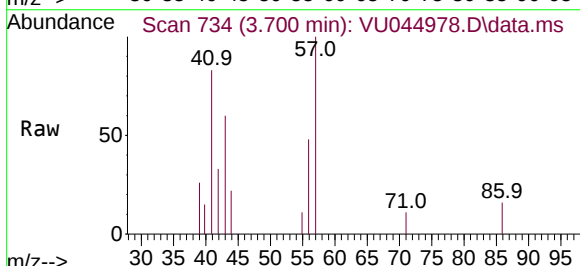
Acq: 29 Sep 2021 06:27

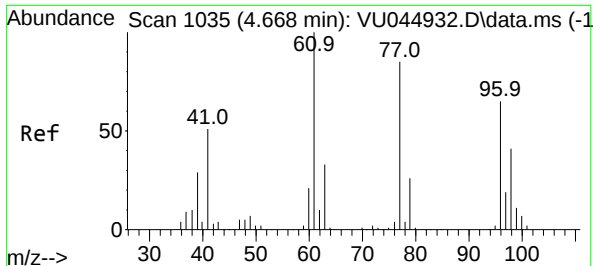
Tgt Ion: 43 Resp: 1695

Ion Ratio Lower Upper

43 100

86 27.2 8.2 12.4#

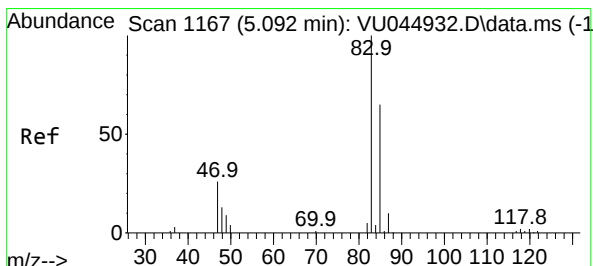
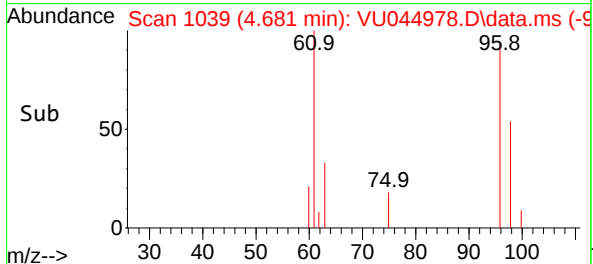
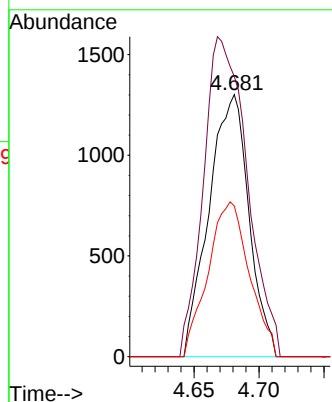
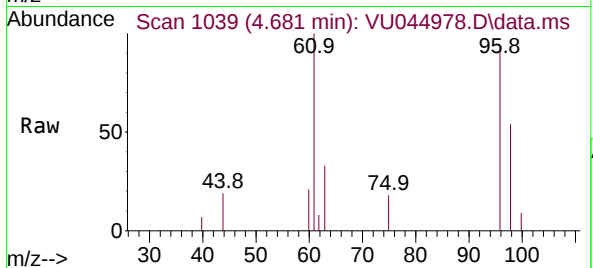




#27
 cis-1,2-Dichloroethene
 Concen: 0.947 ug/l
 RT: 4.681 min Scan# 1039
 Delta R.T. 0.013 min
 Lab File: VU044978.D
 Acq: 29 Sep 2021 06:27

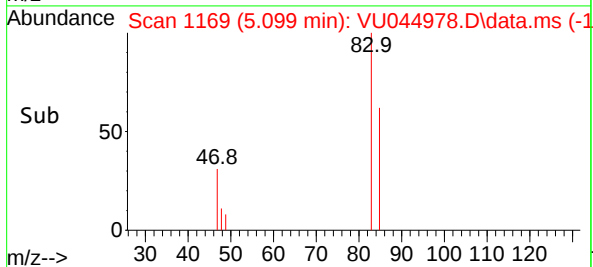
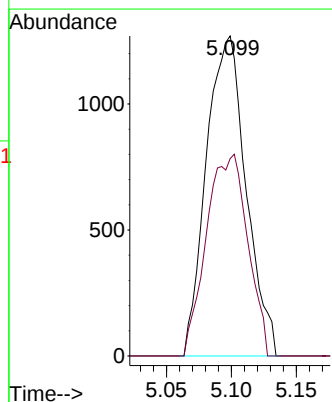
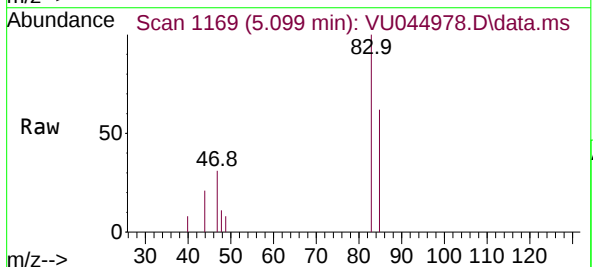
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

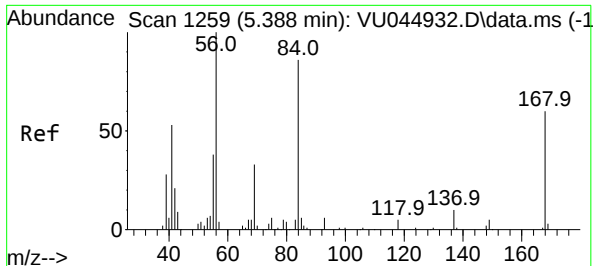
Tgt Ion: 96 Resp: 2791
 Ion Ratio Lower Upper
 96 100
 61 133.3 0.0 313.4
 98 60.9 0.0 127.0



#30
 Chloroform
 Concen: 0.541 ug/l
 RT: 5.099 min Scan# 1169
 Delta R.T. 0.007 min
 Lab File: VU044978.D
 Acq: 29 Sep 2021 06:27

Tgt Ion: 83 Resp: 2701
 Ion Ratio Lower Upper
 83 100
 85 61.7 52.1 78.1

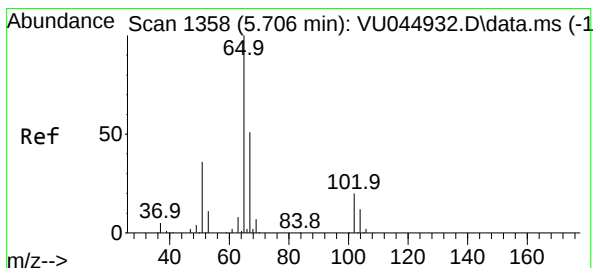
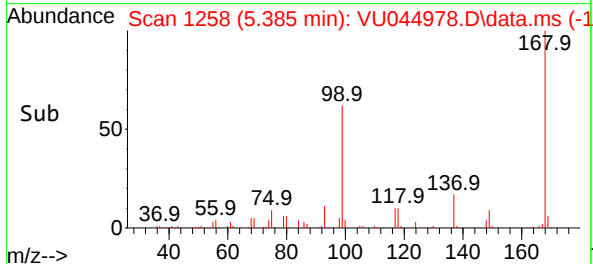
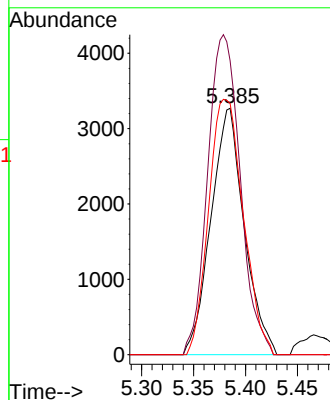
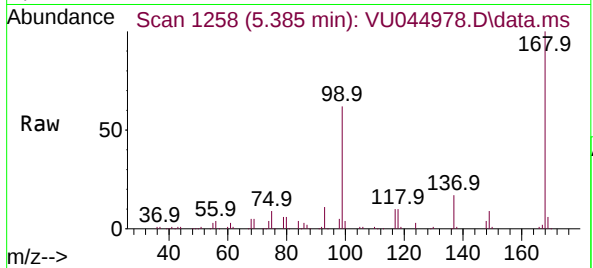




#31
Cyclohexane
Concen: 1.496 ug/l
RT: 5.385 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

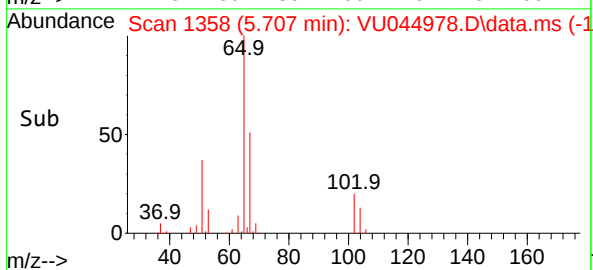
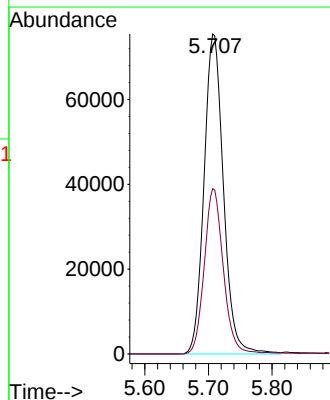
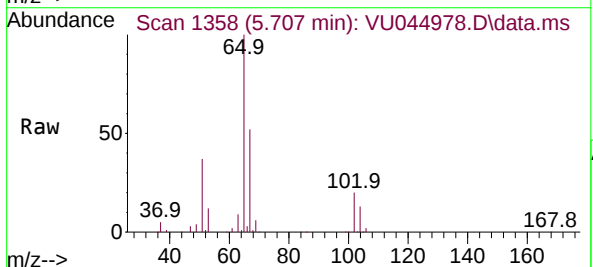
Instrument :
MSVOA_U
ClientSampleId :
MW-4

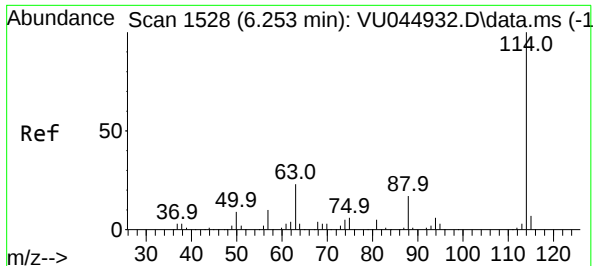
Tgt Ion: 56 Resp: 7278
Ion Ratio Lower Upper
56 100
69 119.2 25.2 37.8#
84 101.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.954 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.001 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

Tgt Ion: 65 Resp: 160029
Ion Ratio Lower Upper
65 100
67 50.5 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: VU044978.D

Acq: 29 Sep 2021 06:27

Instrument :

MSVOA_U

ClientSampleId :

MW-4

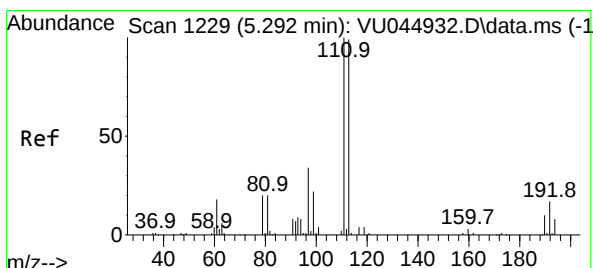
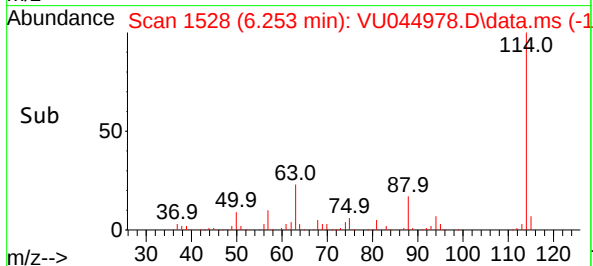
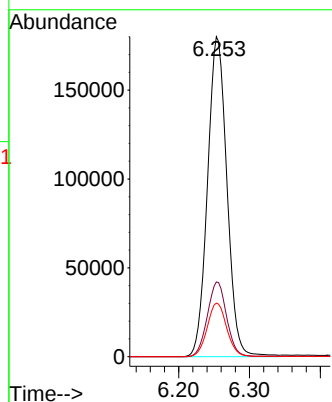
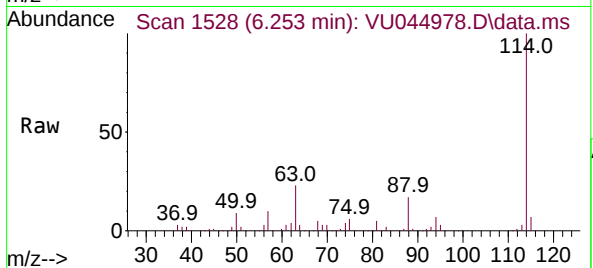
Tgt Ion:114 Resp: 342491

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.8

88 16.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.543 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU044978.D

Acq: 29 Sep 2021 06:27

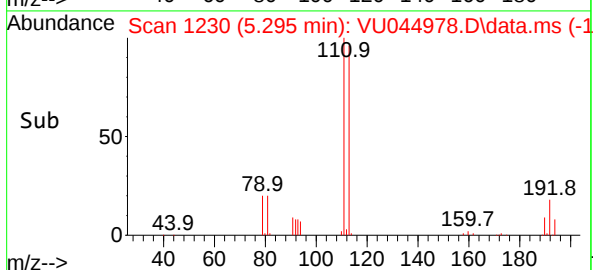
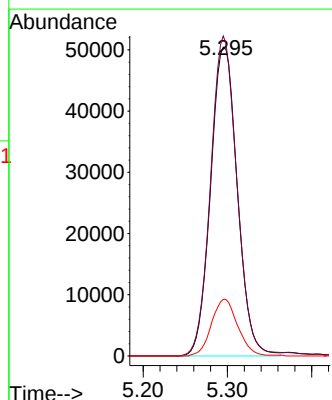
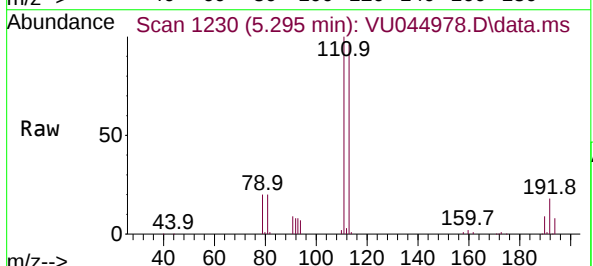
Tgt Ion:113 Resp: 111361

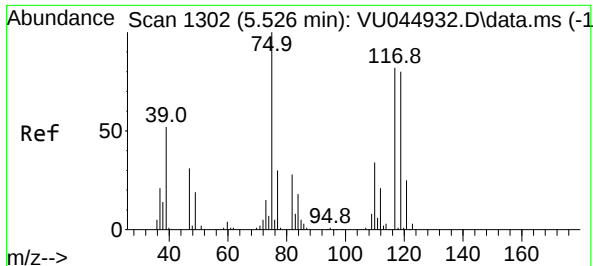
Ion Ratio Lower Upper

113 100

111 102.8 84.1 126.1

192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.997 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044978.D

Acq: 29 Sep 2021 06:27

Instrument :

MSVOA_U

ClientSampleId :

MW-4

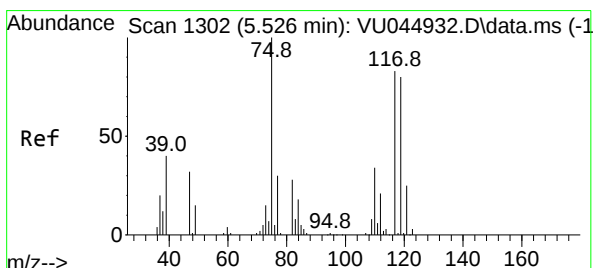
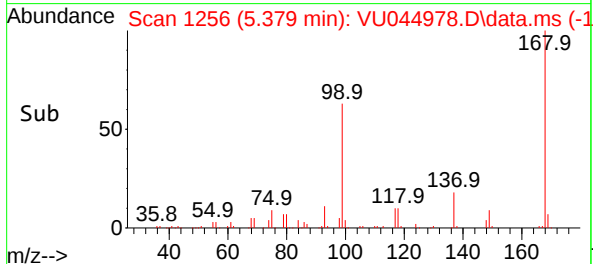
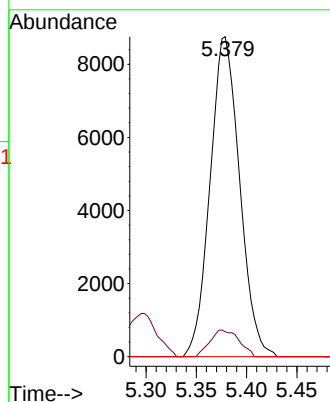
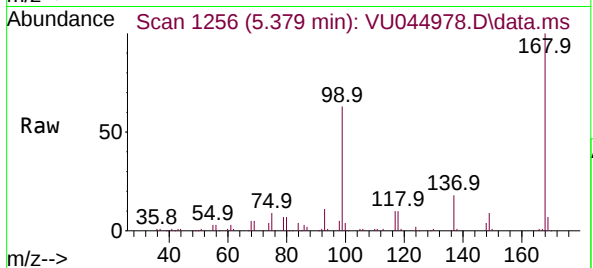
Tgt Ion: 75 Resp: 17897

Ion Ratio Lower Upper

75 100

110 8.2 16.3 48.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.431 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044978.D

Acq: 29 Sep 2021 06:27

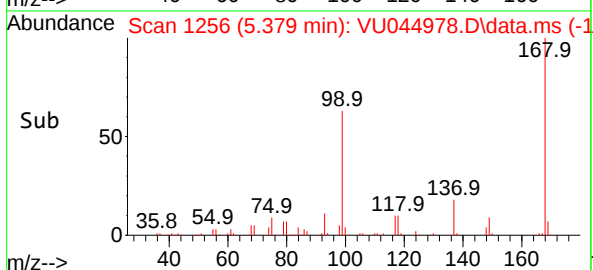
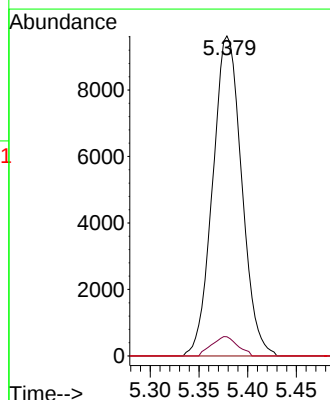
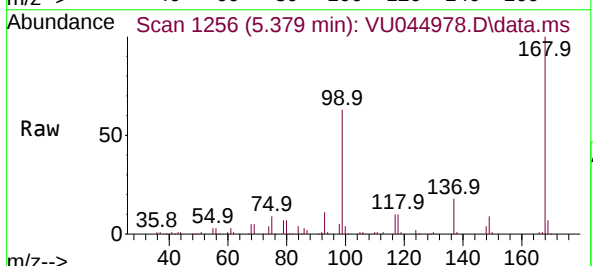
Tgt Ion: 117 Resp: 19931

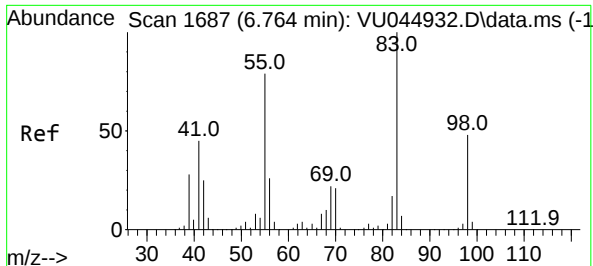
Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.2#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 1.317 ug/l

RT: 6.768 min Scan# 1

Delta R.T. 0.004 min

Lab File: VU044978.D

Acq: 29 Sep 2021 06:27

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ClientSampleId :

MW-4

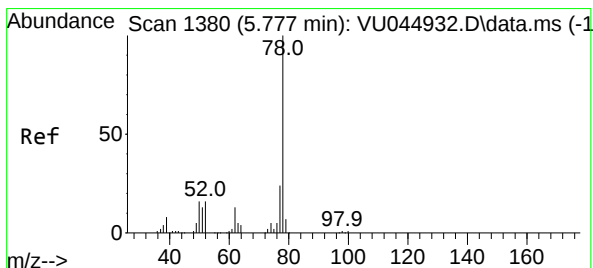
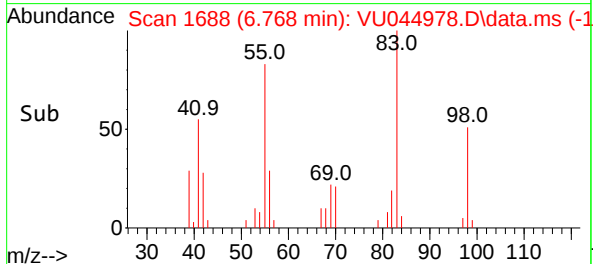
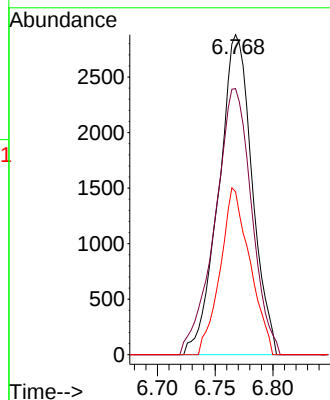
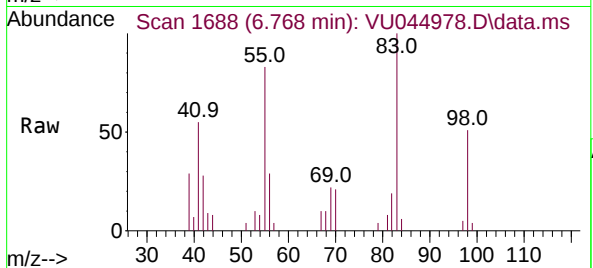
Tgt Ion: 83 Resp: 5789

Ion Ratio Lower Upper

83 100

55 83.2 66.2 99.4

98 50.9 37.5 56.3



#40

Benzene

Concen: 1.072 ug/l

RT: 5.781 min Scan# 1381

Delta R.T. 0.004 min

Lab File: VU044978.D

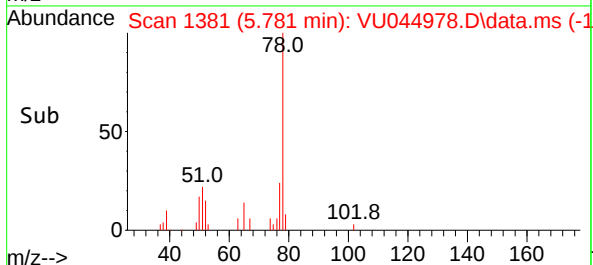
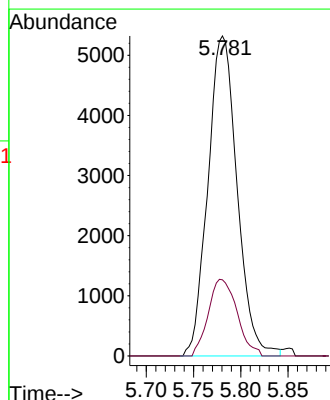
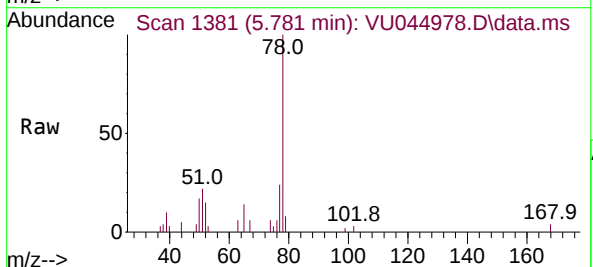
Acq: 29 Sep 2021 06:27

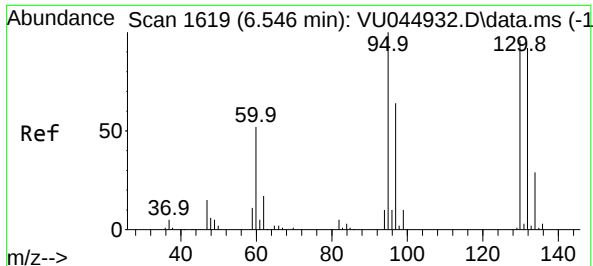
Tgt Ion: 78 Resp: 11433

Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7

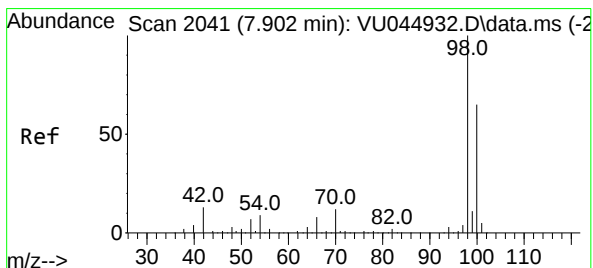
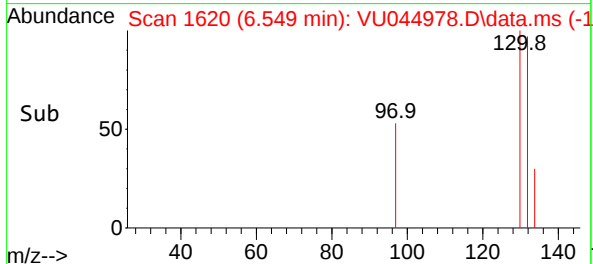
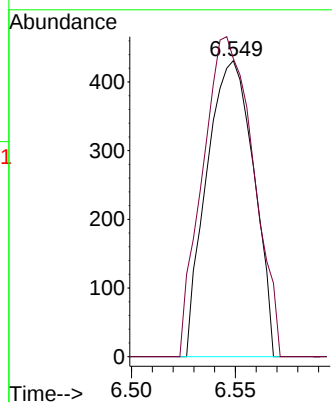
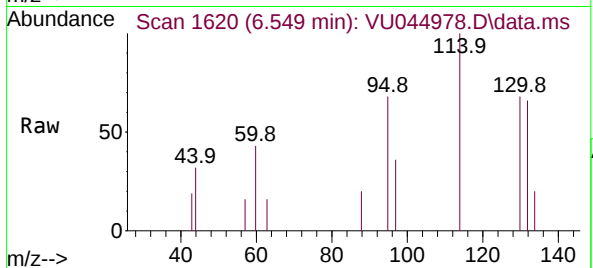




#44
 Trichloroethene
 Concen: 0.270 ug/l
 RT: 6.549 min Scan# 1
 Delta R.T. 0.003 min
 Lab File: VU044978.D
 Acq: 29 Sep 2021 06:27

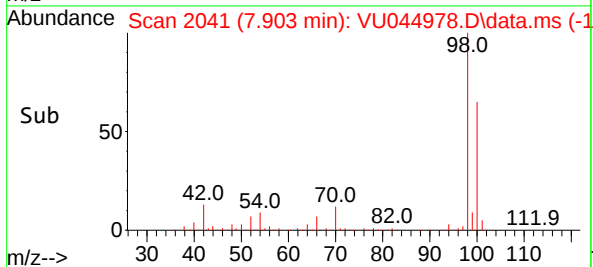
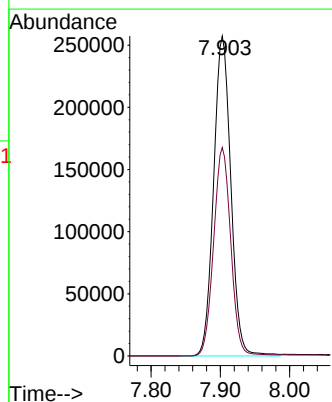
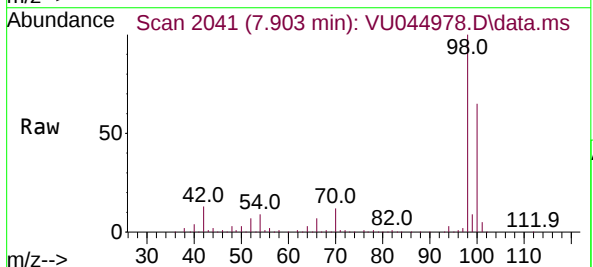
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

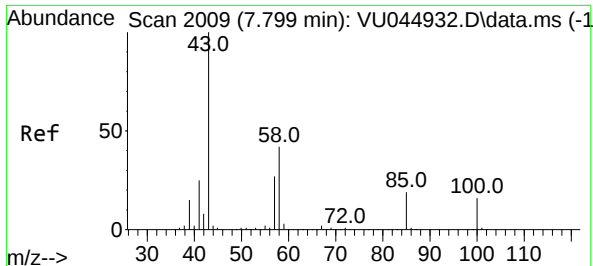
Tgt Ion:130 Resp: 678
 Ion Ratio Lower Upper
 130 100
 95 100.7 0.0 209.0



#50
 Toluene-d8
 Concen: 51.973 ug/l
 RT: 7.903 min Scan# 2041
 Delta R.T. 0.001 min
 Lab File: VU044978.D
 Acq: 29 Sep 2021 06:27

Tgt Ion: 98 Resp: 443677
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.5 78.7

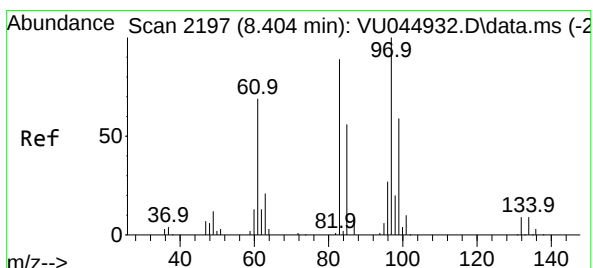
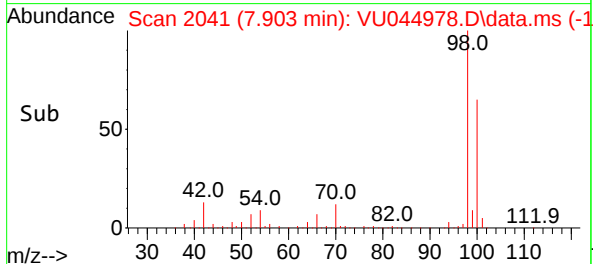
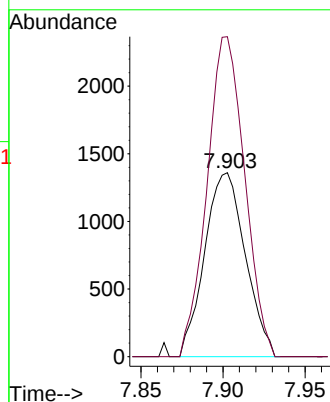
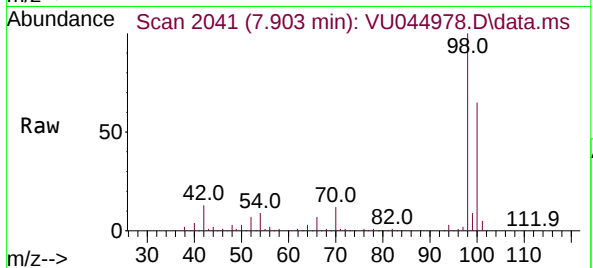




#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.104 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

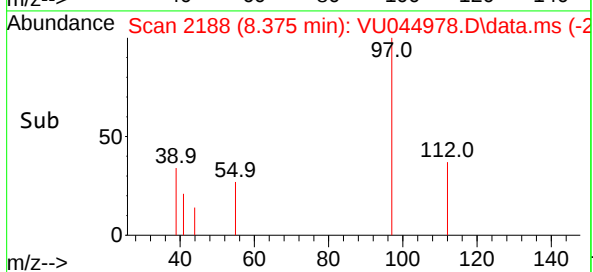
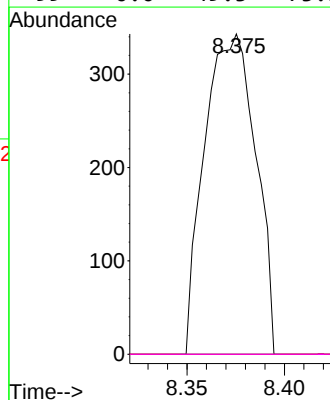
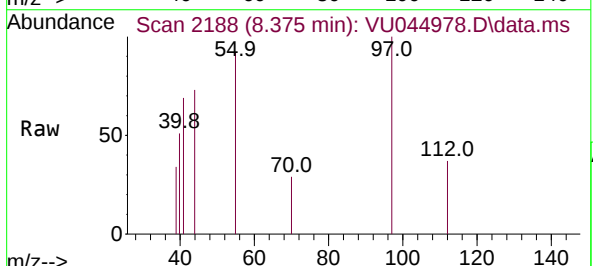
Instrument :
MSVOA_U
ClientSampleId :
MW-4

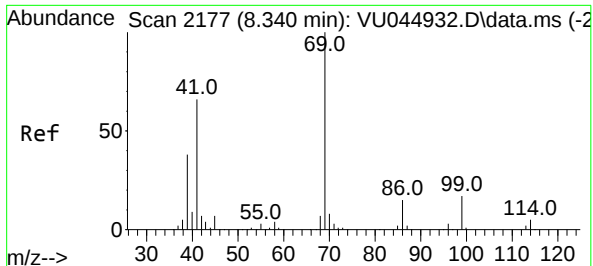
Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
58 161.1 32.4 48.6#



#55
1,1,2-Trichloroethane
Concen: 0.224 ug/l
RT: 8.375 min Scan# 2188
Delta R.T. -0.029 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

Tgt Ion: 97 Resp: 624
Ion Ratio Lower Upper
97 100
83 0.0 69.7 104.5#
85 0.0 44.8 67.2#
99 0.0 49.3 73.9#

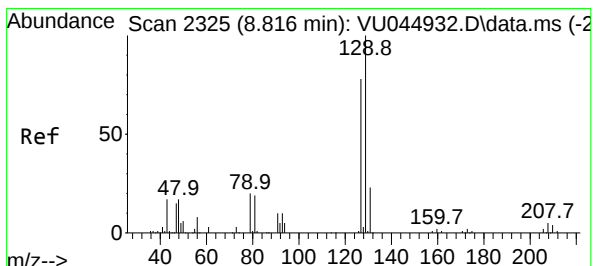
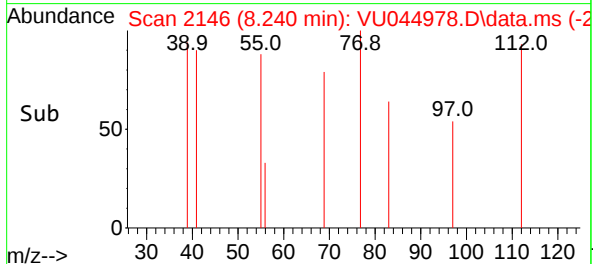
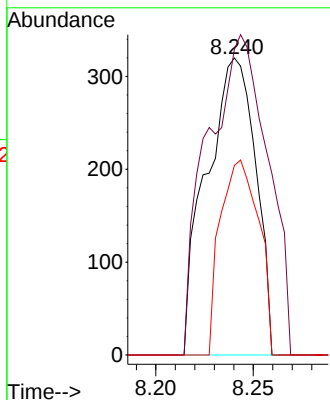
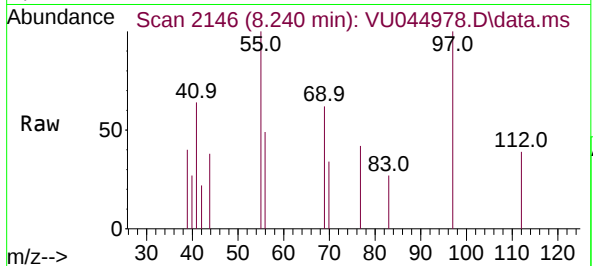




#56
Ethyl methacrylate
Concen: 1.921 ug/l
RT: 8.240 min Scan# 2177
Delta R.T. -0.100 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

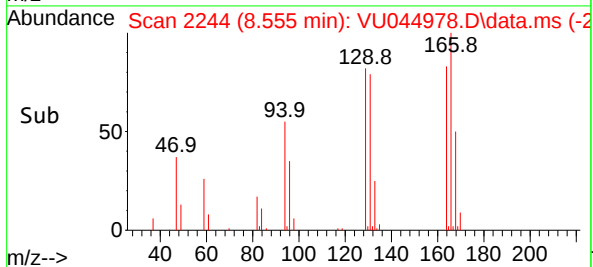
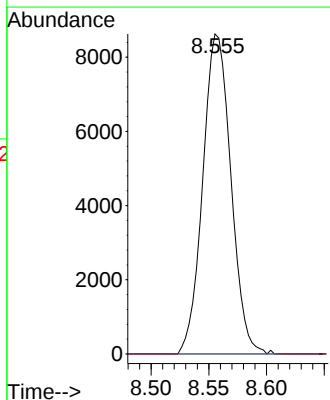
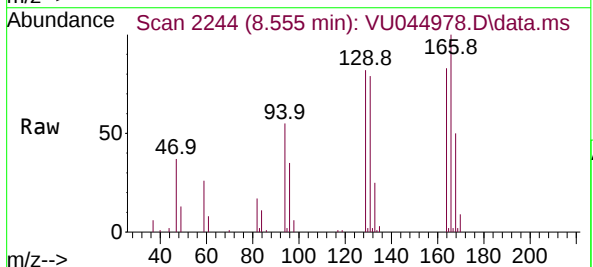
Instrument :
MSVOA_U
ClientSampleId :
MW-4

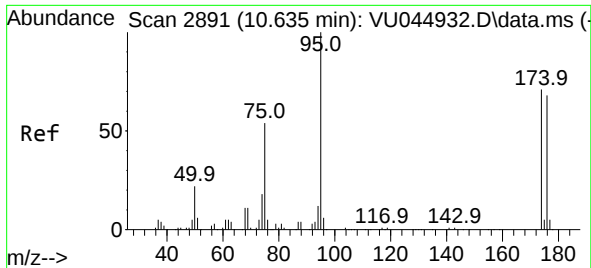
Tgt Ion: 69 Resp: 561
Ion Ratio Lower Upper
69 100
41 132.4 53.5 80.3#
39 51.3 31.1 46.7#



#60
Dibromochloromethane
Concen: 6.920 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.261 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

Tgt Ion: 129 Resp: 14628
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

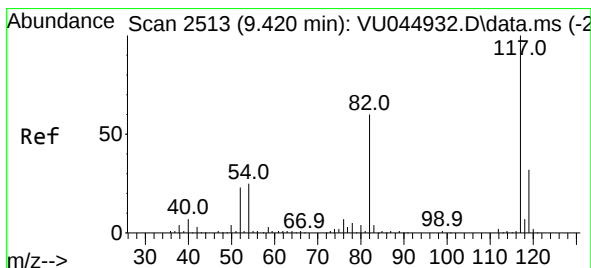
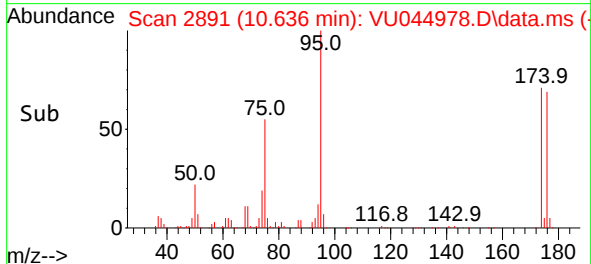
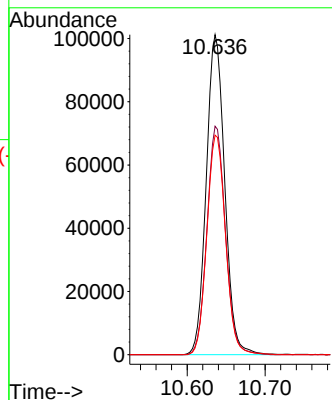
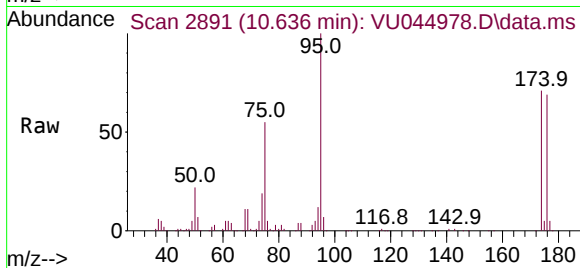




#62
4-Bromofluorobenzene
Concen: 47.290 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

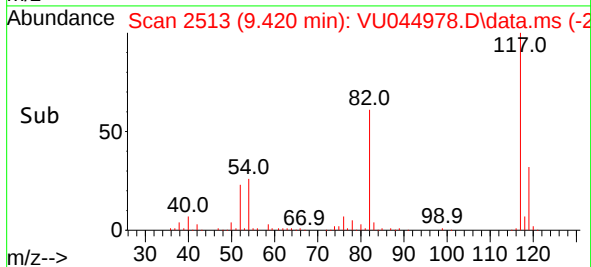
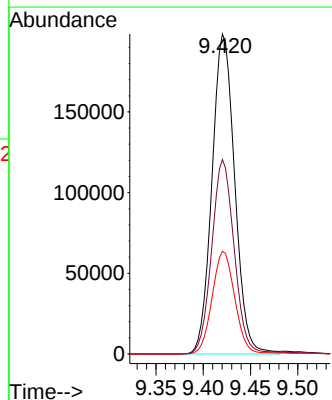
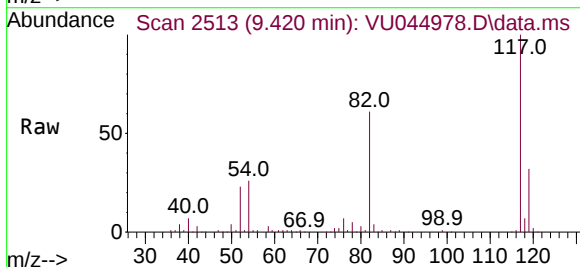
Instrument :
MSVOA_U
ClientSampleId :
MW-4

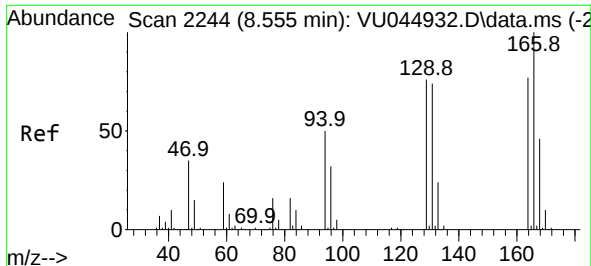
Tgt Ion: 95 Resp: 166668
Ion Ratio Lower Upper
95 100
174 71.5 0.0 146.6
176 69.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

Tgt Ion: 117 Resp: 332149
Ion Ratio Lower Upper
117 100
82 60.8 47.8 71.8
119 32.1 25.8 38.6

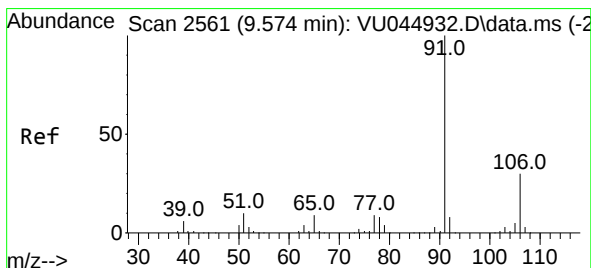
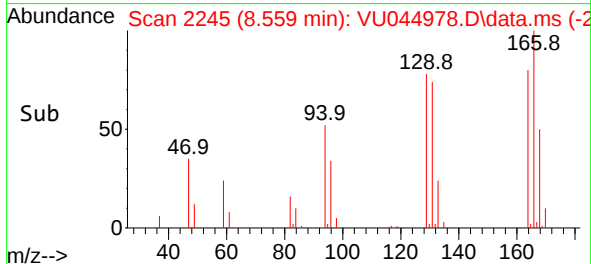
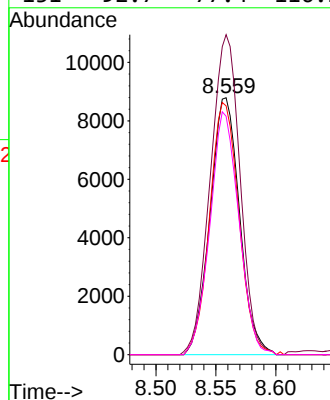
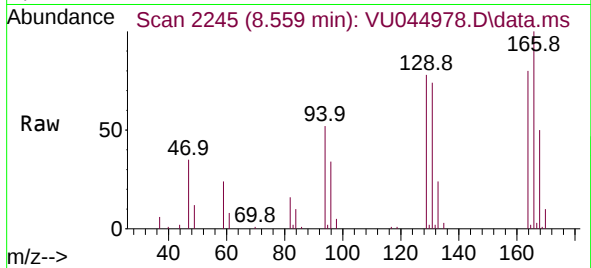




#64
Tetrachloroethene
Concen: 6.946 ug/l
RT: 8.559 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

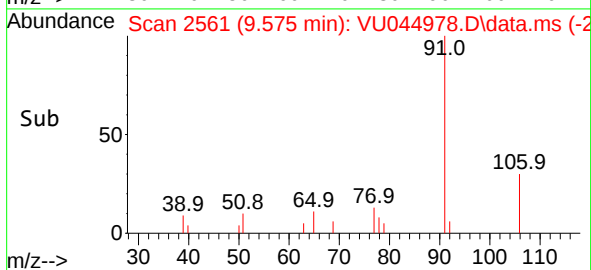
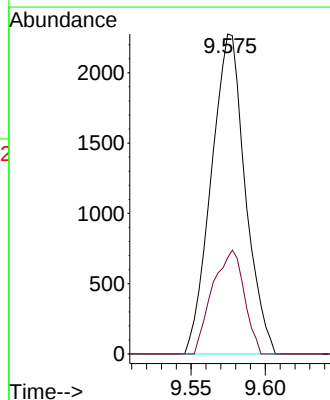
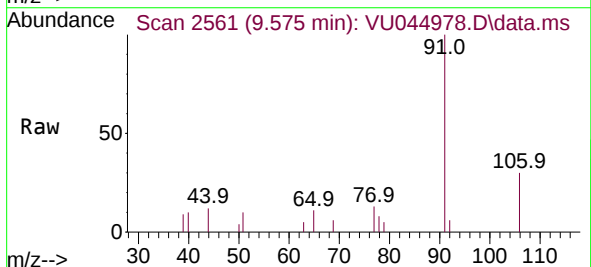
Instrument :
MSVOA_U
ClientSampleId :
MW-4

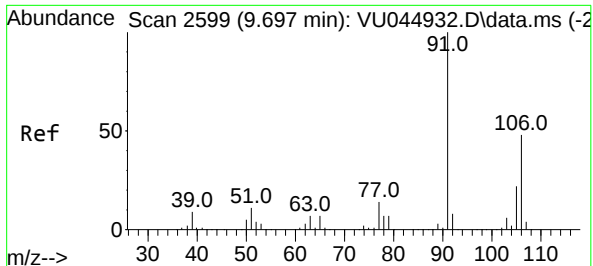
Tgt Ion:164 Resp: 15057
Ion Ratio Lower Upper
164 100
166 124.5 102.8 154.2
129 96.8 79.4 119.2
131 92.7 77.4 116.2



#67
Ethyl Benzene
Concen: 0.282 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. 0.001 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

Tgt Ion: 91 Resp: 3619
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5





#68

m/p-Xylenes

Concen: 1.152 ug/l

RT: 9.700 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU044978.D

Acq: 29 Sep 2021 06:27

Instrument :

MSVOA_U

ClientSampleId :

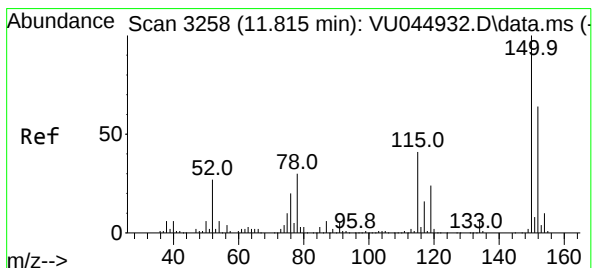
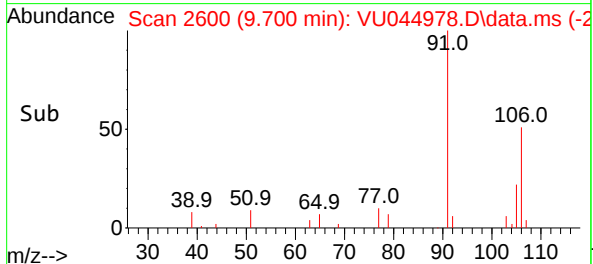
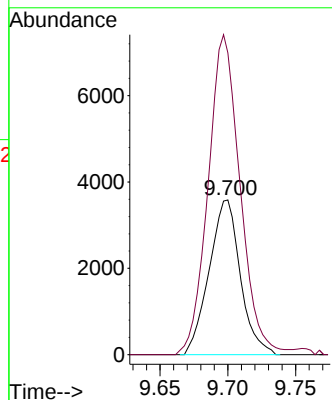
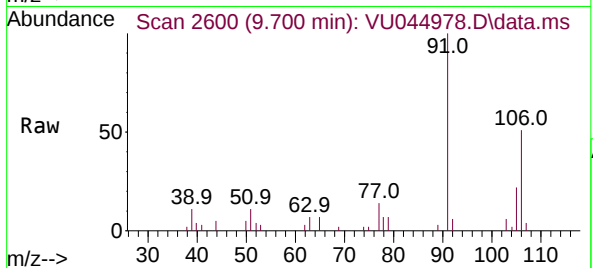
MW-4

Tgt Ion:106 Resp: 5733

Ion Ratio Lower Upper

106 100

91 212.5 164.2 246.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.816 min Scan# 3258

Delta R.T. 0.001 min

Lab File: VU044978.D

Acq: 29 Sep 2021 06:27

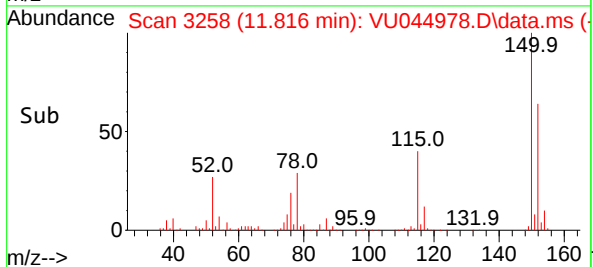
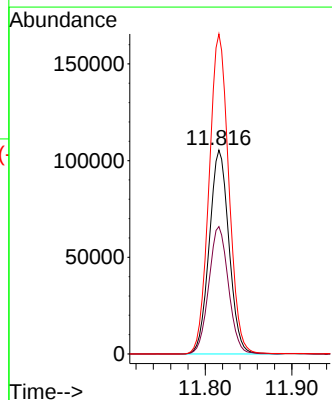
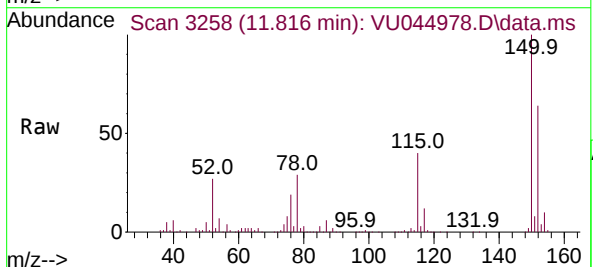
Tgt Ion:152 Resp: 166410

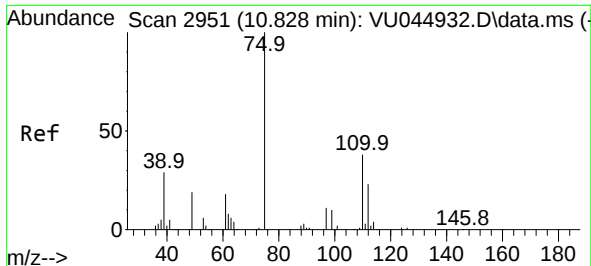
Ion Ratio Lower Upper

152 100

115 62.3 43.5 130.7

150 156.9 0.0 350.0

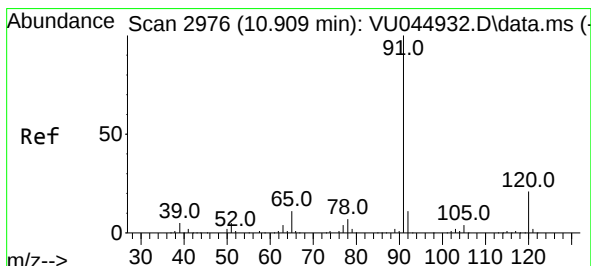
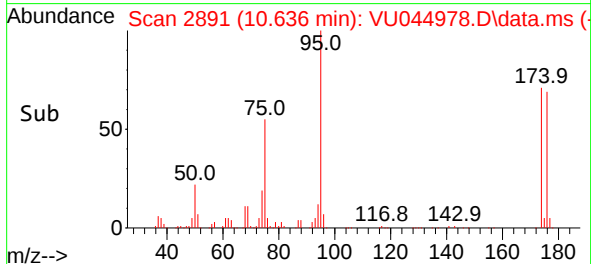
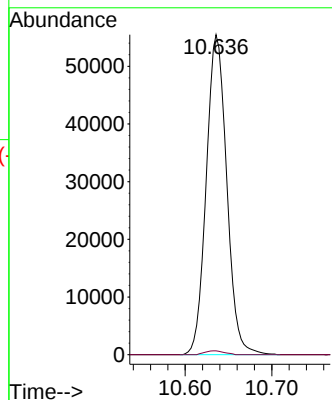
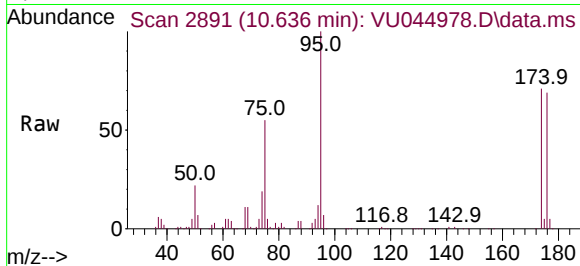




#76
1,2,3-Trichloropropane
Concen: 18.782 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

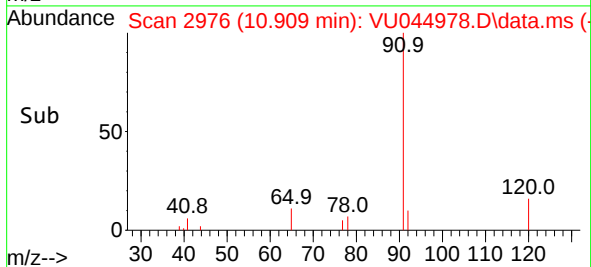
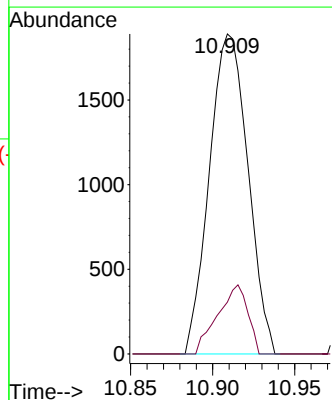
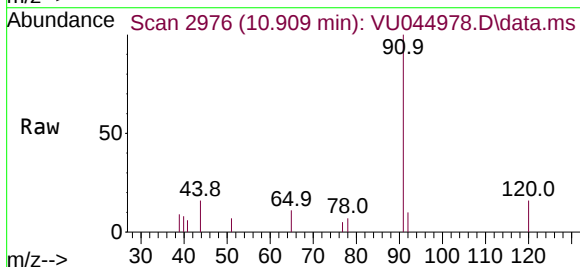
Instrument :
MSVOA_U
ClientSampleId :
MW-4

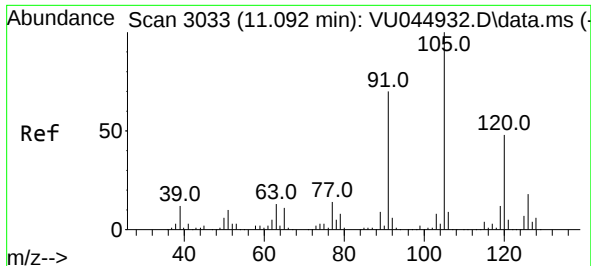
Tgt Ion: 75 Resp: 91166
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#78
n-propylbenzene
Concen: 0.204 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

Tgt Ion: 91 Resp: 3086
Ion Ratio Lower Upper
91 100
120 16.9 10.8 32.4

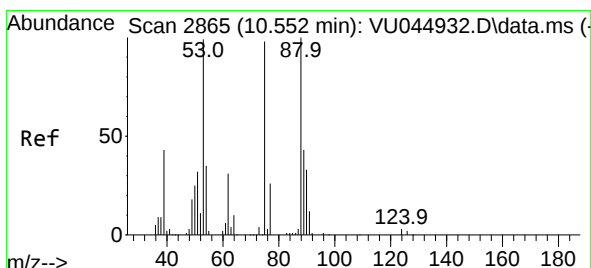
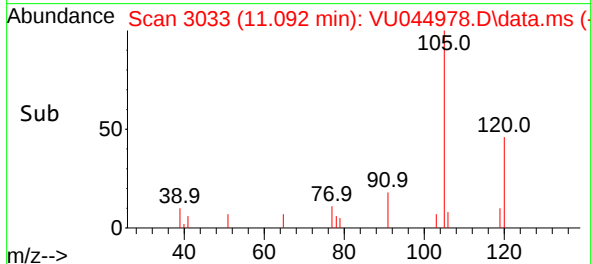
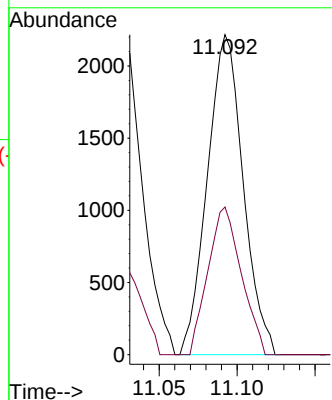
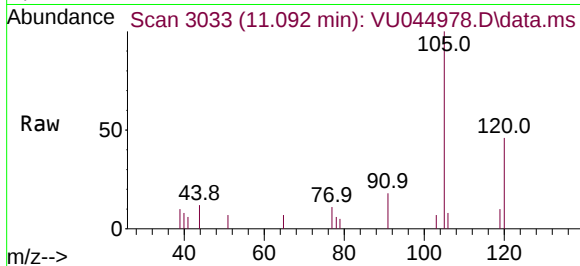




#80
1,3,5-Trimethylbenzene
Concen: 0.326 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

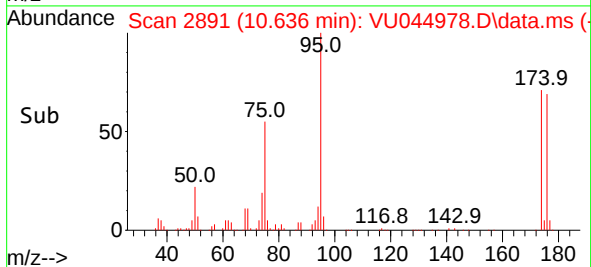
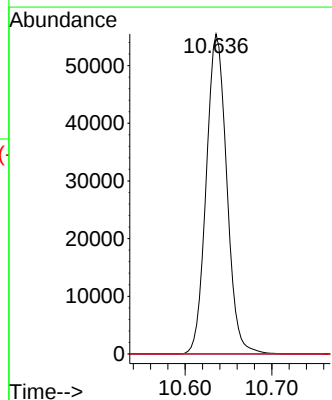
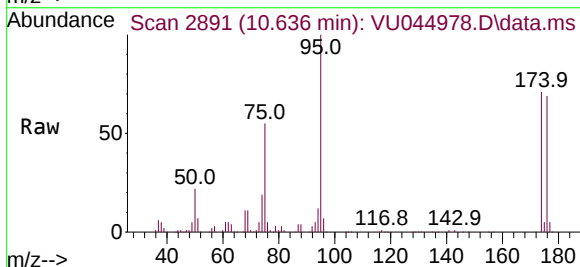
Instrument :
MSVOA_U
ClientSampleId :
MW-4

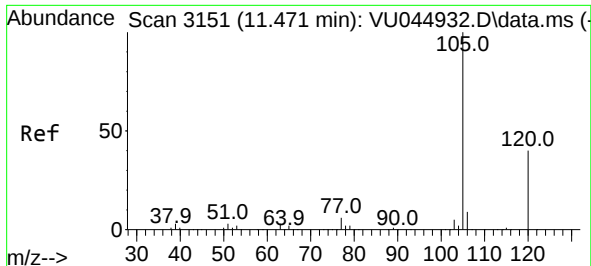
Tgt Ion:105 Resp: 3540
Ion Ratio Lower Upper
105 100
120 42.9 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 52.124 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

Tgt Ion: 75 Resp: 91166
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

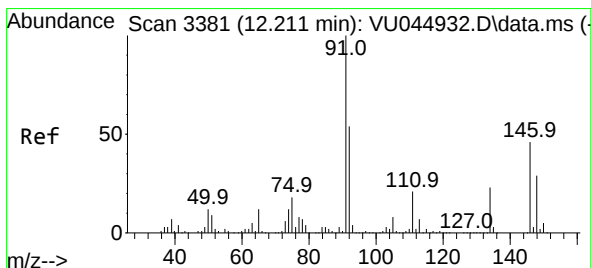
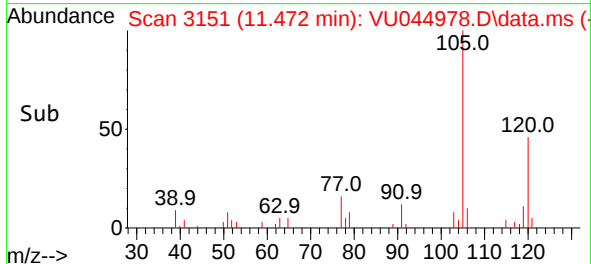
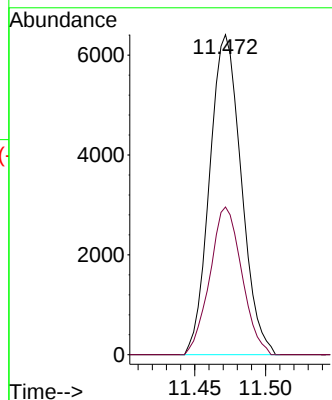
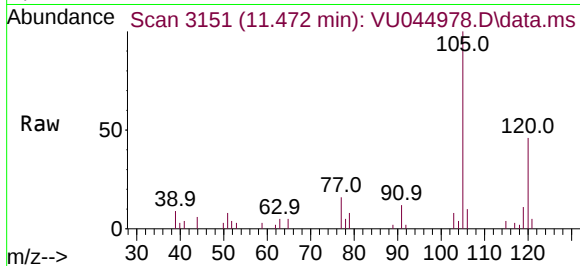




#84
1,2,4-Trimethylbenzene
Concen: 0.926 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

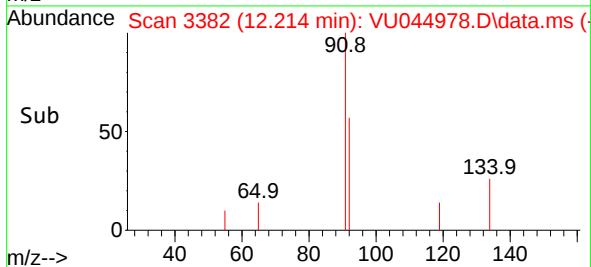
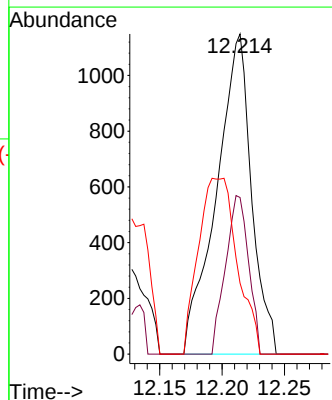
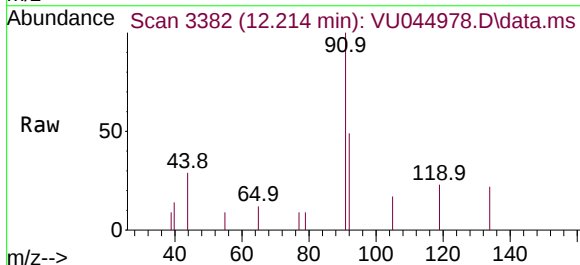
Instrument :
MSVOA_U
ClientSampleId :
MW-4

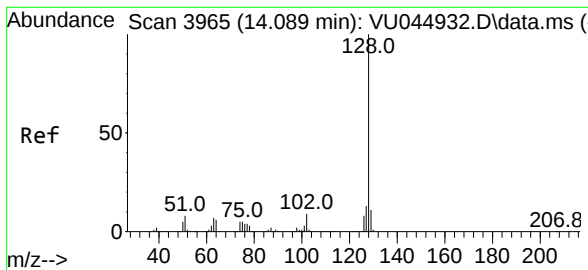
Tgt Ion:105 Resp: 9949
Ion Ratio Lower Upper
105 100
120 46.6 22.4 67.3



#89
n-Butylbenzene
Concen: 0.223 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044978.D
Acq: 29 Sep 2021 06:27

Tgt Ion: 91 Resp: 2244
Ion Ratio Lower Upper
91 100
92 32.7 26.8 80.4
134 0.0 11.8 35.4#





#95
 Naphthalene
 Concen: 1.420 ug/l
 RT: 14.092 min Scan# 3966
 Delta R.T. 0.003 min
 Lab File: VU044978.D
 Acq: 29 Sep 2021 06:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.4	15.6
129	10.5	8.6	13.0

