

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044980.D
 Acq On : 29 Sep 2021 07:14
 Operator : SY/MD
 Sample : M3926-02 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

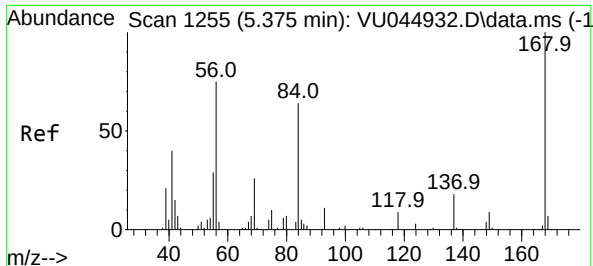
Instrument :
 MSVOA_U
 ClientSampleId :
 EP-1-MW-2-0921DL

Quant Time: Sep 29 07:59:50 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)

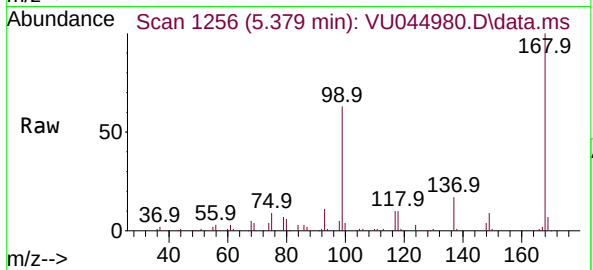
Internal Standards						
1) Pentafluorobenzene	5.379	168	186258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	333178	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	326430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	161794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	155542	50.167	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.340%		
35) Dibromofluoromethane	5.295	113	108739	51.736	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.480%		
50) Toluene-d8	7.903	98	429198	51.682	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.360%		
62) 4-Bromofluorobenzene	10.636	95	164373	47.942	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 95.880%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.195	59	394	0.443	ug/l #	72
16) Acetone	2.633	43	1080	0.587	ug/l	91
20) Methylene Chloride	3.048	84	965	0.348	ug/l #	90
31) Cyclohexane	5.379	56	5308	1.127	ug/l #	12
36) 1,1-Dichloropropene	5.379	75	17239	4.948	ug/l #	50
38) Carbon Tetrachloride	5.379	117	19148	6.351	ug/l #	16
40) Benzene	5.784	78	2144	0.207	ug/l	98
56) Ethyl methacrylate	8.243	69	187	1.855	ug/l #	11
60) Dibromochloromethane	8.552	129	346	2.292	ug/l #	10
64) Tetrachloroethene	8.552	164	446	0.209	ug/l #	74
67) Ethyl Benzene	9.575	91	63220	5.020	ug/l	99
68) m/p-Xylenes	9.700	106	21636	4.422	ug/l	97
73) Isopropylbenzene	10.488	105	99488	8.257	ug/l	99
76) 1,2,3-Trichloropropane	10.636	75	88252	18.700	ug/l #	41
78) n-propylbenzene	10.909	91	208617	14.208	ug/l	100
79) 2-Chlorotoluene	11.002	91	6953	0.755	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.092	105	43702	4.140	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.636	75	88252	51.897	ug/l #	9
82) 4-Chlorotoluene	11.002	91	6953	0.668	ug/l #	47
83) tert-Butylbenzene	11.420	119	8504	0.828	ug/l	92
84) 1,2,4-Trimethylbenzene	11.472	105	800067	76.617	ug/l	100
85) sec-Butylbenzene	11.649	105	44612	3.374	ug/l	98
86) p-Isopropyltoluene	11.796	119	10148	0.954	ug/l	91
89) n-Butylbenzene	12.211	91	25102	2.563	ug/l #	76
90) Hexachloroethane	12.468	117	2951	1.537	ug/l #	15
95) Naphthalene	14.092	128	35371	2.963	ug/l	99

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

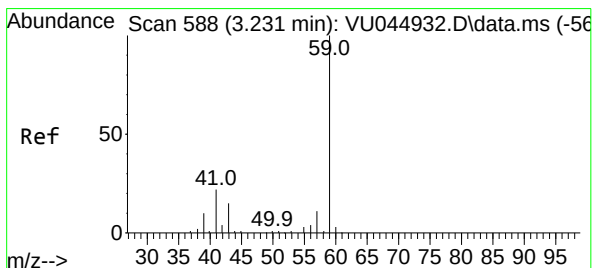
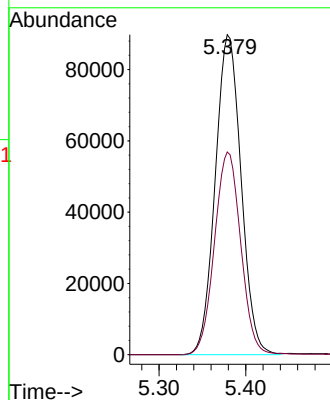
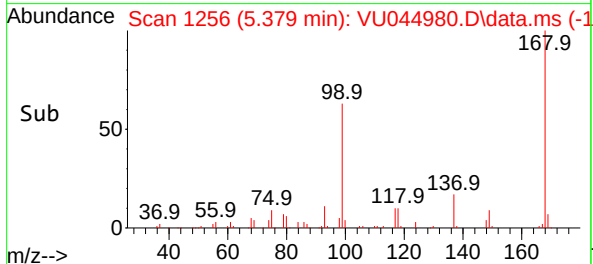


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

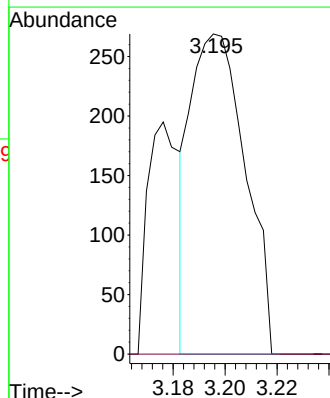
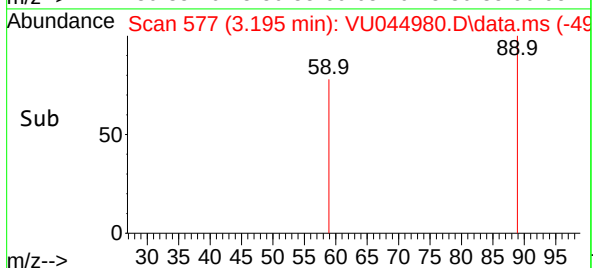
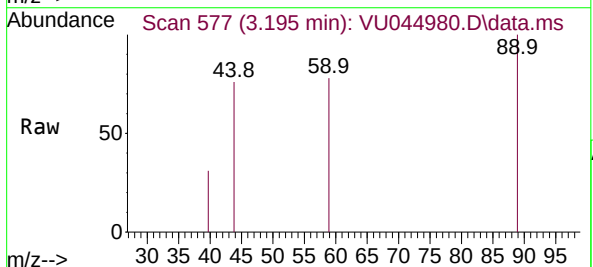


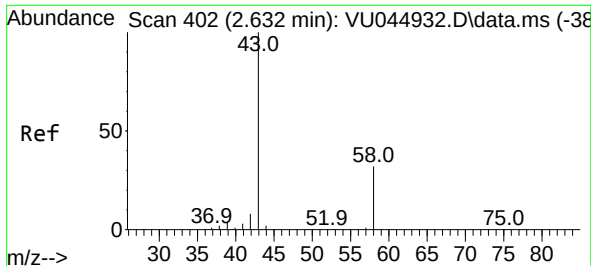
Tgt Ion:168 Resp: 186258
Ion Ratio Lower Upper
168 100
99 63.3 51.4 77.0



#11
Tert butyl alcohol
Concen: 0.443 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.587 ug/l

RT: 2.633 min Scan# 402

Delta R.T. 0.001 min

Lab File: VU044980.D

Acq: 29 Sep 2021 07:14

Instrument :

MSVOA_U

ClientSampleId :

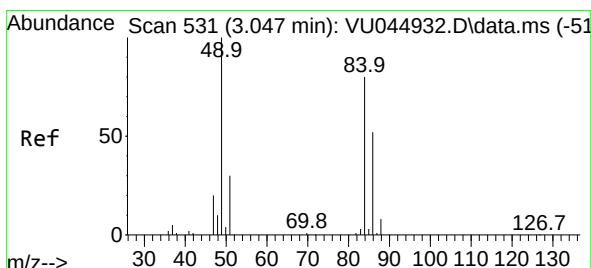
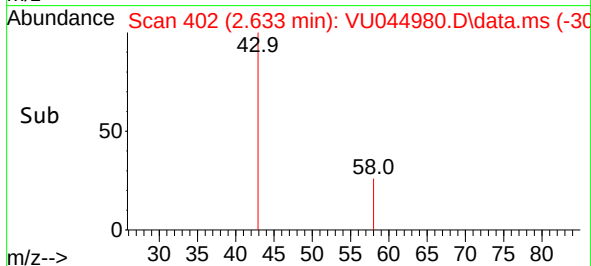
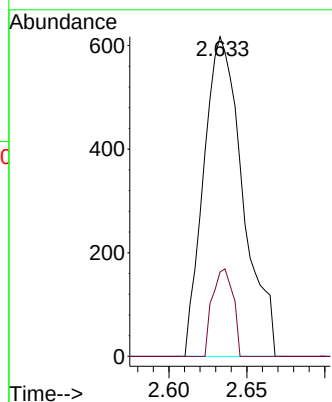
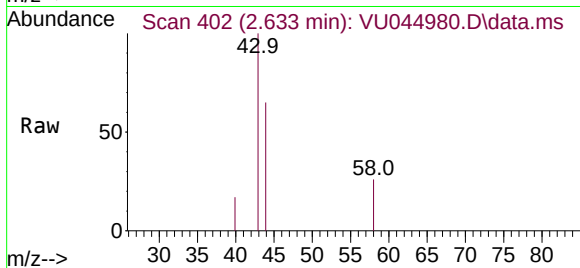
EP-1-MW-2-0921DL

Tgt Ion: 43 Resp: 1080

Ion Ratio Lower Upper

43 100

58 26.4 25.2 37.8



#20

Methylene Chloride

Concen: 0.348 ug/l

RT: 3.048 min Scan# 531

Delta R.T. 0.001 min

Lab File: VU044980.D

Acq: 29 Sep 2021 07:14

Tgt Ion: 84 Resp: 965

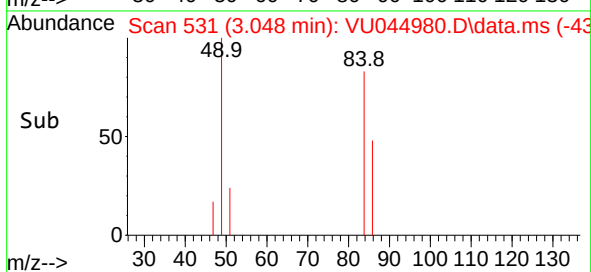
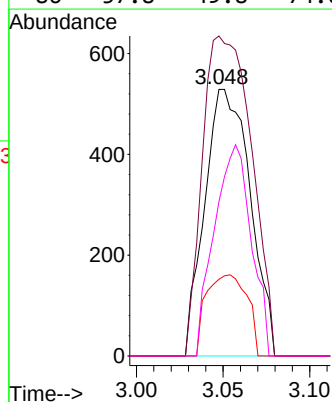
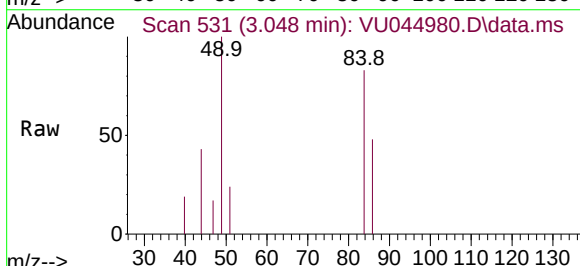
Ion Ratio Lower Upper

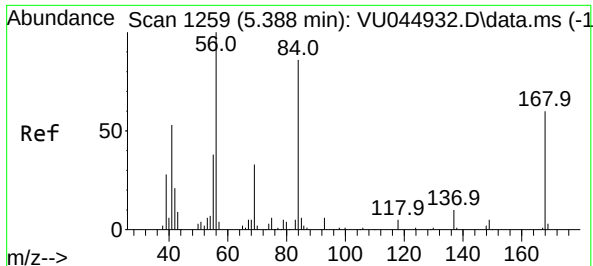
84 100

49 120.0 104.9 157.3

51 28.7 31.8 47.8#

86 57.8 49.8 74.6





#31

Cyclohexane

Concen: 1.127 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.009 min

Lab File: VU044980.D

Acq: 29 Sep 2021 07:14

Instrument :

MSVOA_U

ClientSampleId :

EP-1-MW-2-0921DL

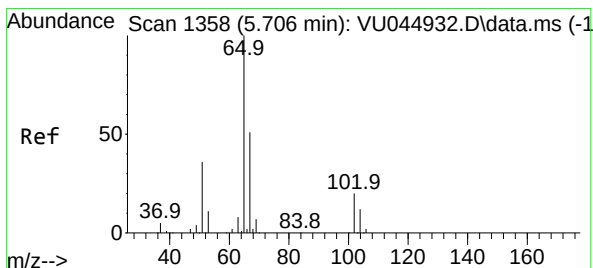
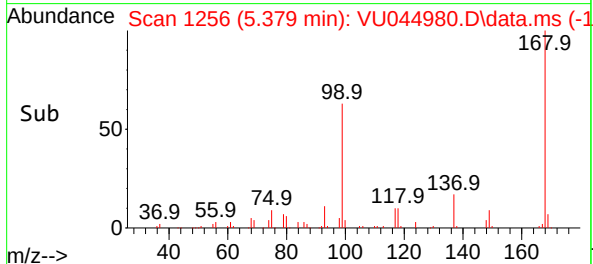
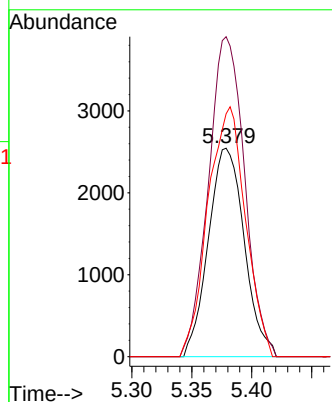
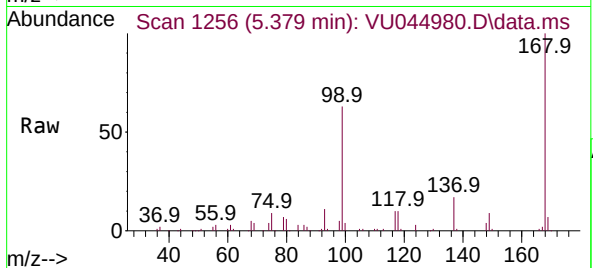
Tgt Ion: 56 Resp: 5308

Ion Ratio Lower Upper

56 100

69 153.5 25.2 37.8#

84 116.5 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 50.167 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. 0.004 min

Lab File: VU044980.D

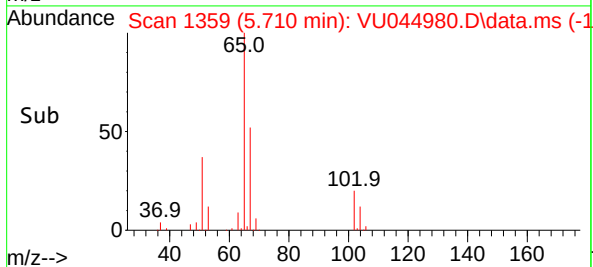
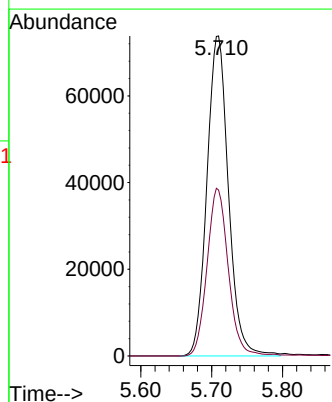
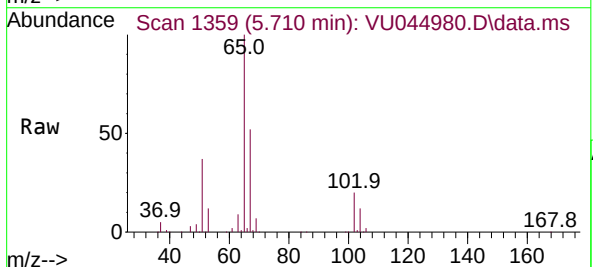
Acq: 29 Sep 2021 07:14

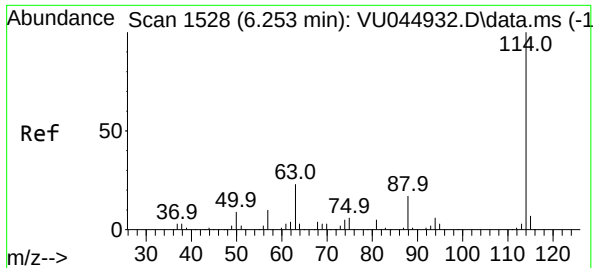
Tgt Ion: 65 Resp: 155542

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8

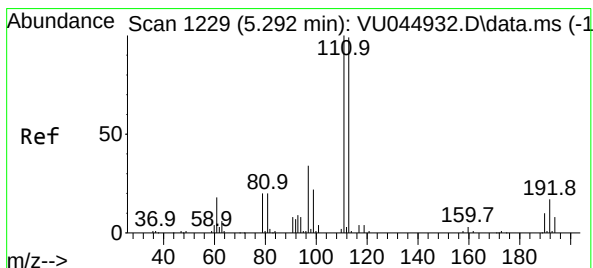
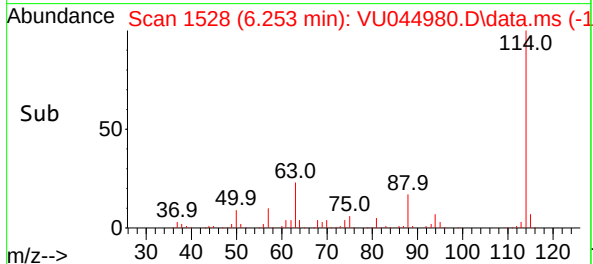
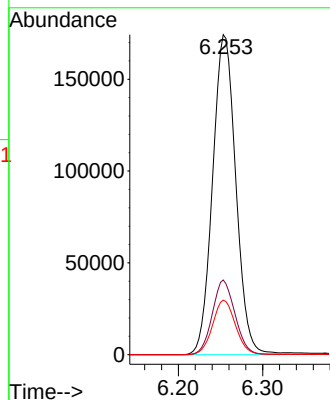
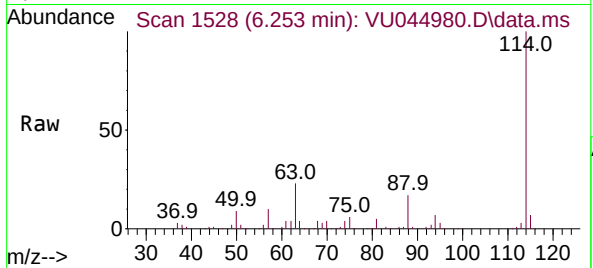




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

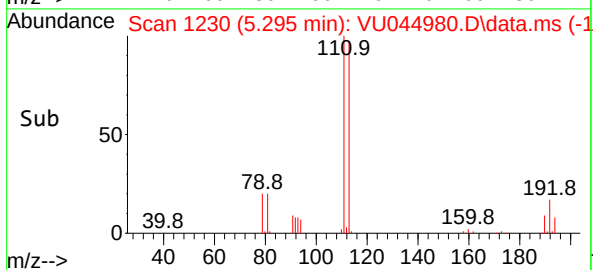
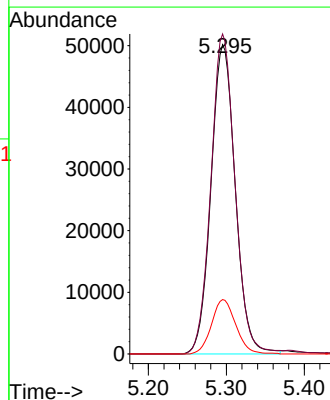
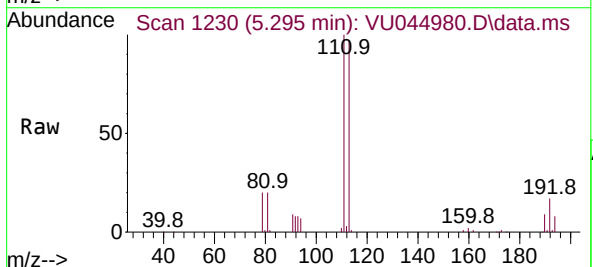
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

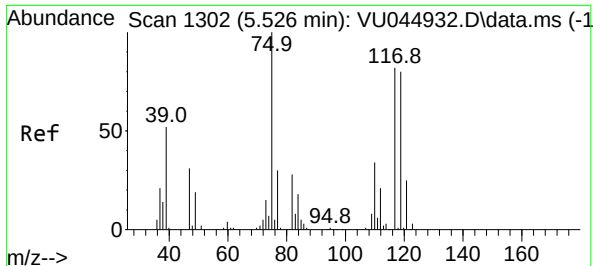
Tgt Ion:114 Resp: 333178
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.736 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion:113 Resp: 108739
Ion Ratio Lower Upper
113 100
111 102.7 84.1 126.1
192 17.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.948 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044980.D

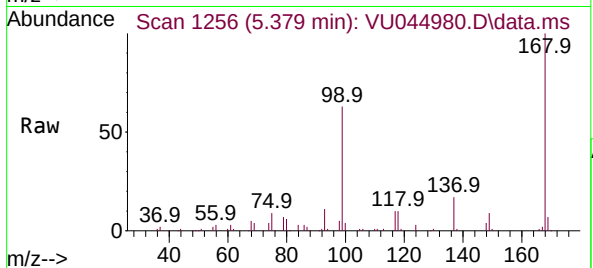
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Instrument :

MSVOA_U

ClientSampleId :

EP-1-MW-2-0921DL



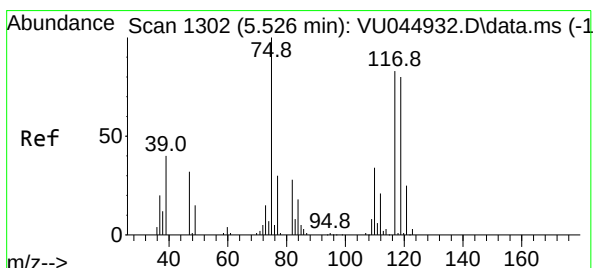
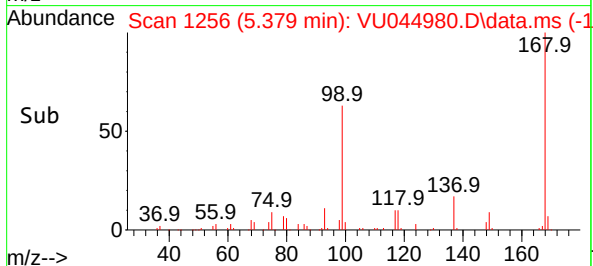
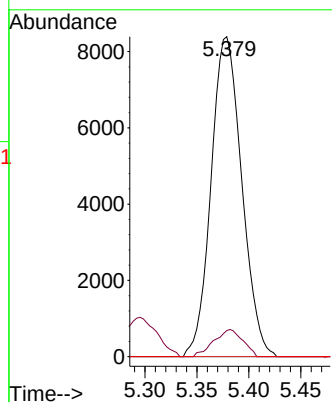
Tgt Ion: 75 Resp: 17239

Ion Ratio Lower Upper

75 100

110 8.0 16.3 48.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.351 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044980.D

Acq: 29 Sep 2021 07:14

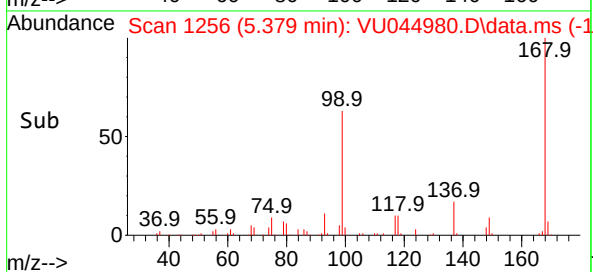
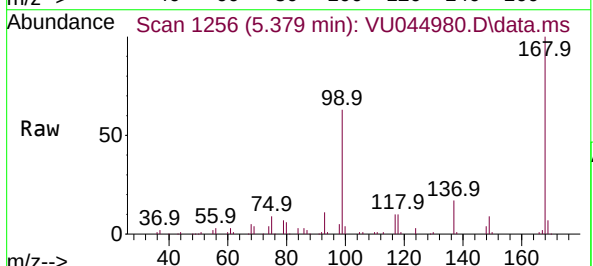
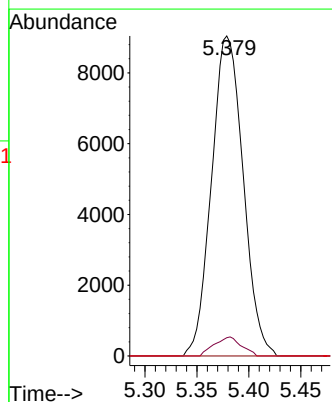
Tgt Ion: 117 Resp: 19148

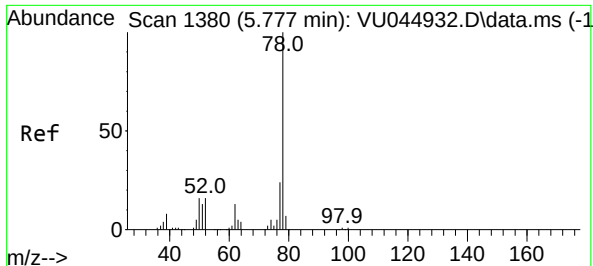
Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.2#

121 0.0 24.5 36.7#





#40

Benzene

Concen: 0.207 ug/l

RT: 5.784 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU044980.D

Acq: 29 Sep 2021 07:14

Instrument :

MSVOA_U

ClientSampleId :

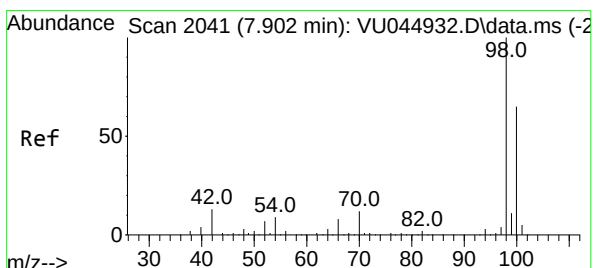
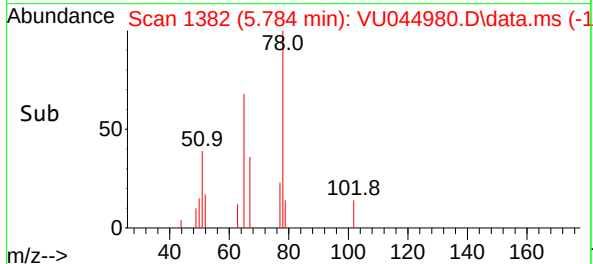
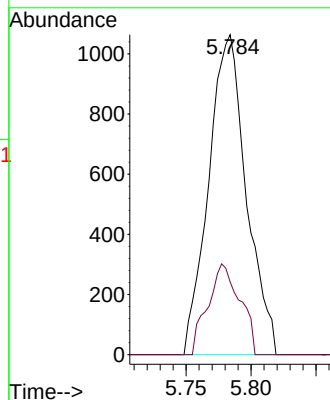
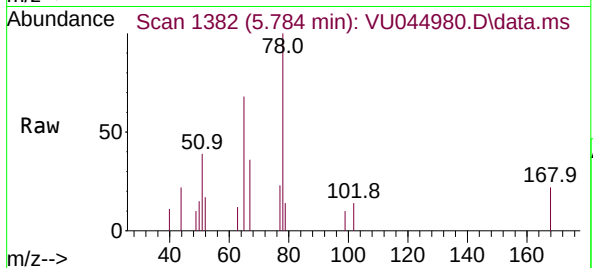
EP-1-MW-2-0921DL

Tgt Ion: 78 Resp: 2144

Ion Ratio Lower Upper

78 100

77 22.7 19.1 28.7



#50

Toluene-d8

Concen: 51.682 ug/l

RT: 7.903 min Scan# 2041

Delta R.T. 0.001 min

Lab File: VU044980.D

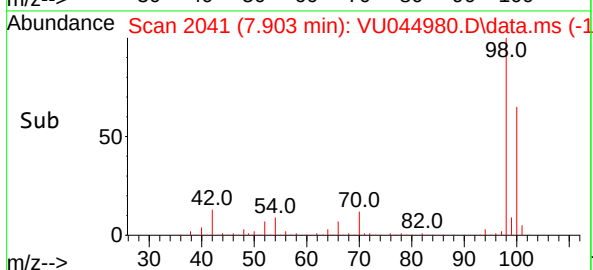
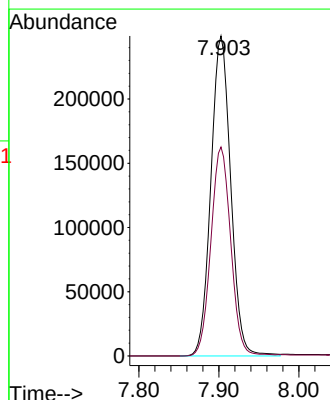
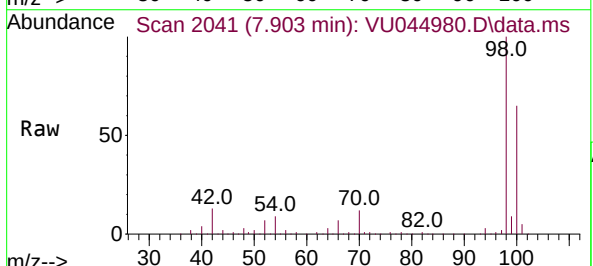
Acq: 29 Sep 2021 07:14

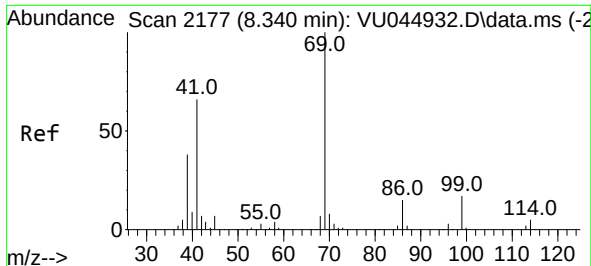
Tgt Ion: 98 Resp: 429198

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7

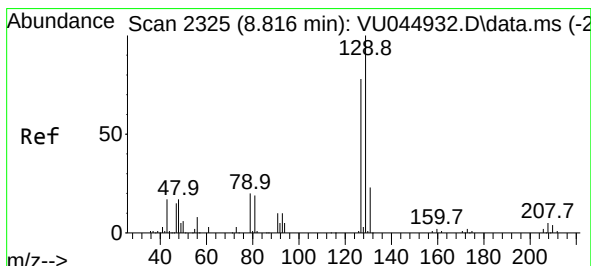
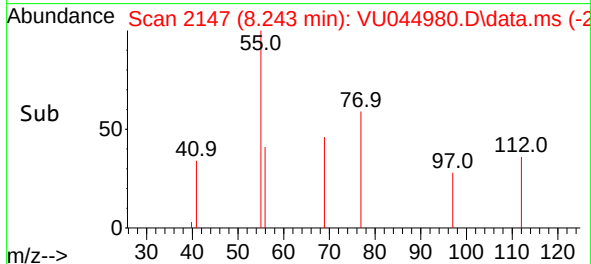
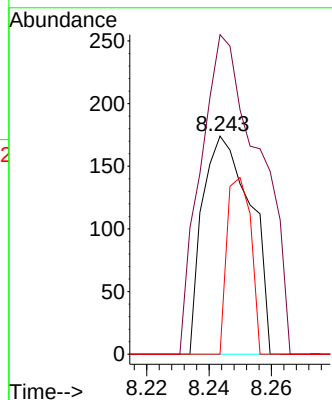
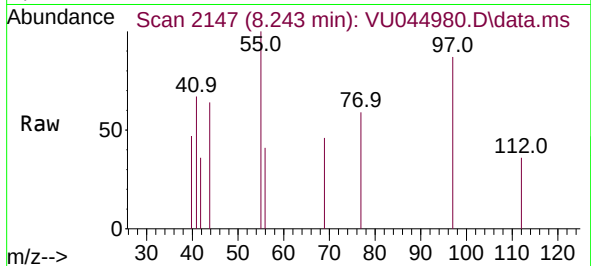




#56
Ethyl methacrylate
Concen: 1.855 ug/l
RT: 8.243 min Scan# 2177
Delta R.T. -0.097 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

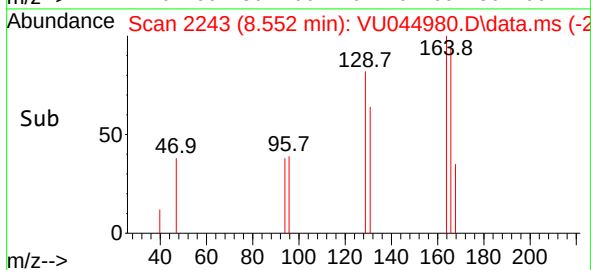
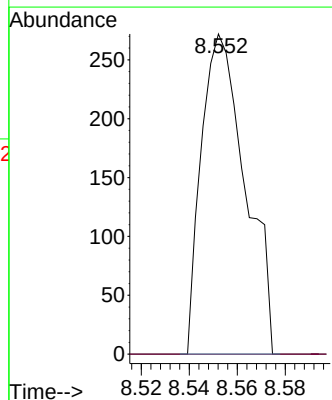
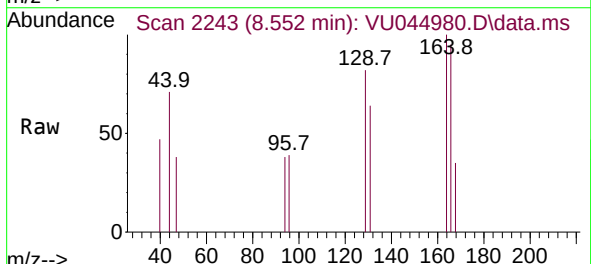
Instrument :
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EP-1-MW-2-0921DL

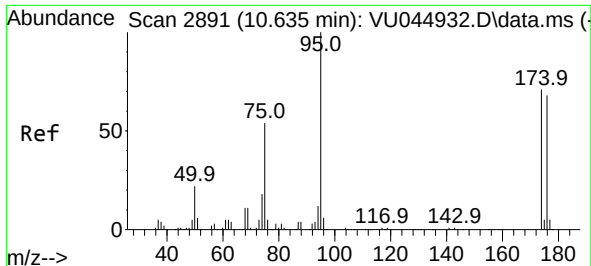
Tgt Ion: 69 Resp: 187
Ion Ratio Lower Upper
69 100
41 178.6 53.5 80.3#
39 40.1 31.1 46.7



#60
Dibromochloromethane
Concen: 2.292 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. -0.264 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion: 129 Resp: 346
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

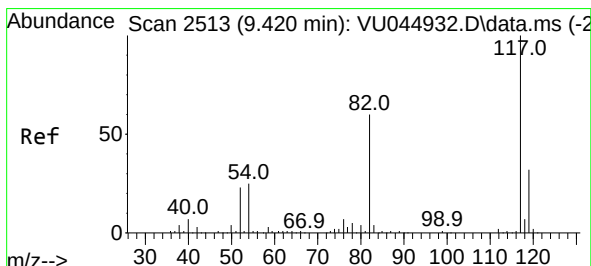
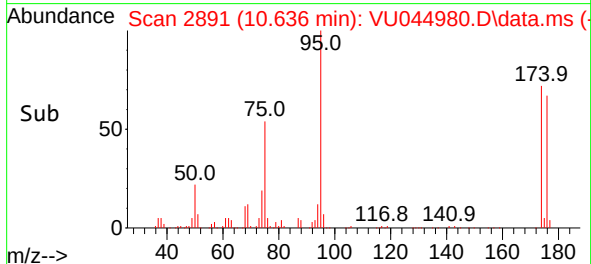
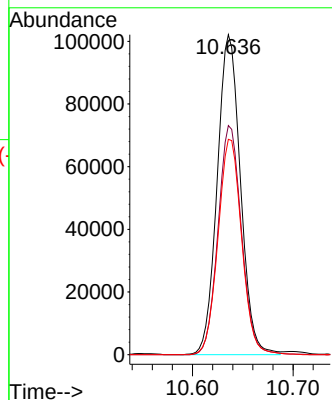
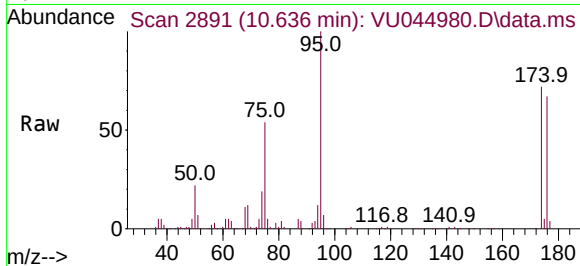




#62
4-Bromofluorobenzene
Concen: 47.942 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

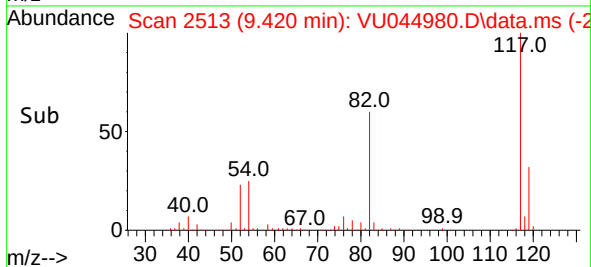
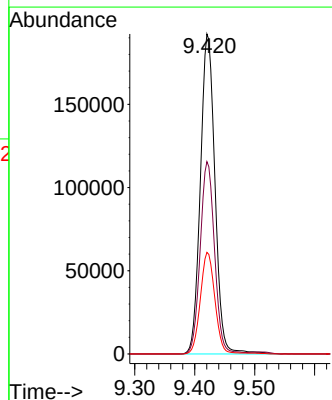
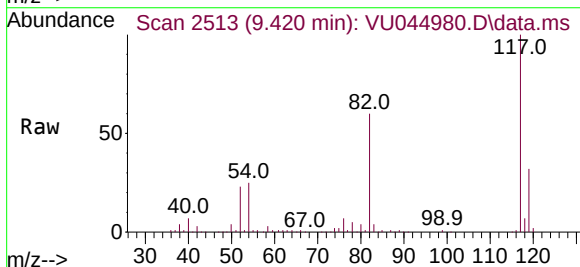
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

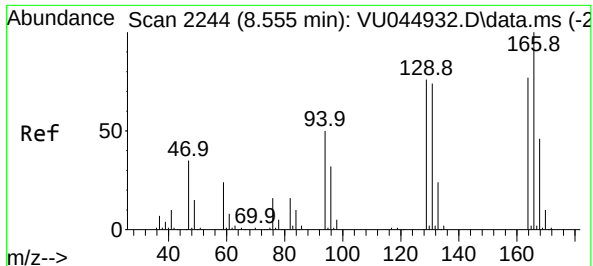
Tgt Ion: 95 Resp: 164373
Ion Ratio Lower Upper
95 100
174 72.0 0.0 146.6
176 68.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

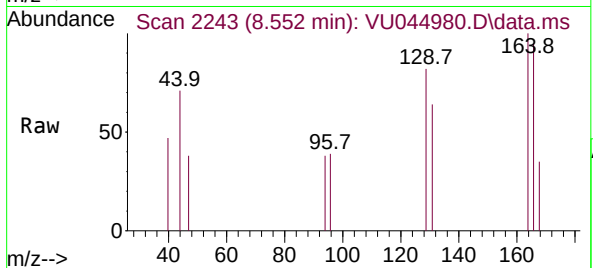
Tgt Ion: 117 Resp: 326430
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 31.8 25.8 38.6



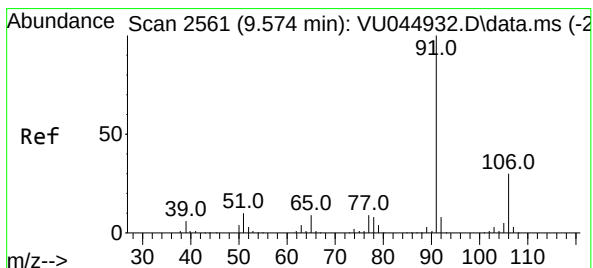
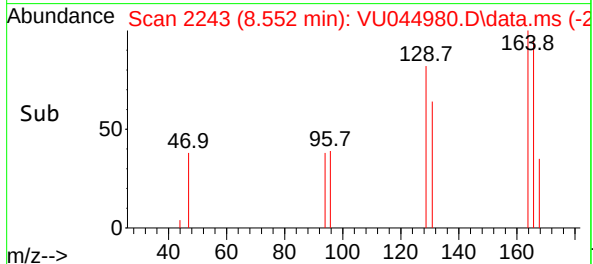
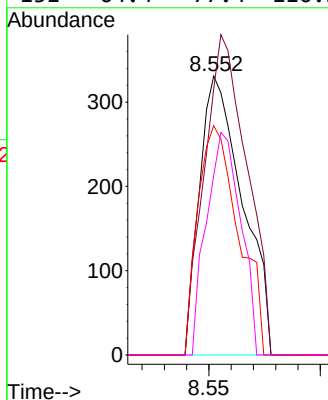


#64
Tetrachloroethene
Concen: 0.209 ug/l
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

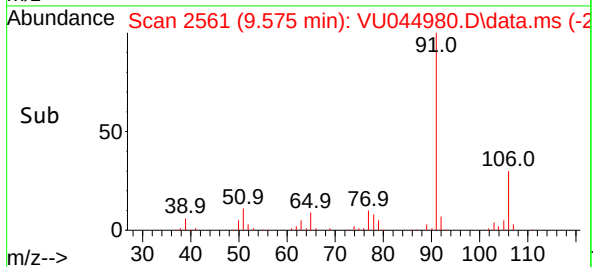
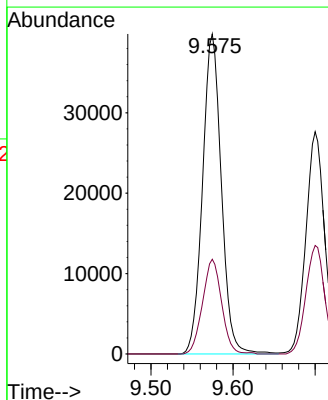
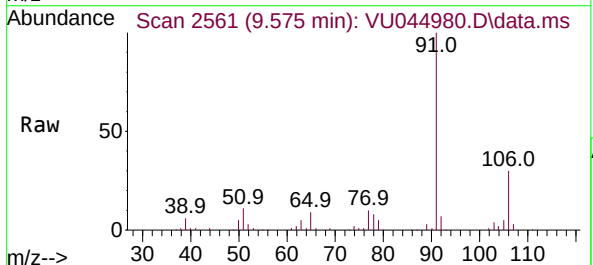


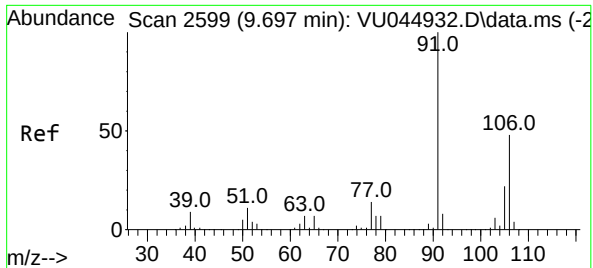
Tgt Ion:164 Resp: 446
Ion Ratio Lower Upper
164 100
166 95.5 102.8 154.2#
129 82.2 79.4 119.2
131 64.4 77.4 116.2#



#67
Ethyl Benzene
Concen: 5.020 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. 0.001 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion: 91 Resp: 63220
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5

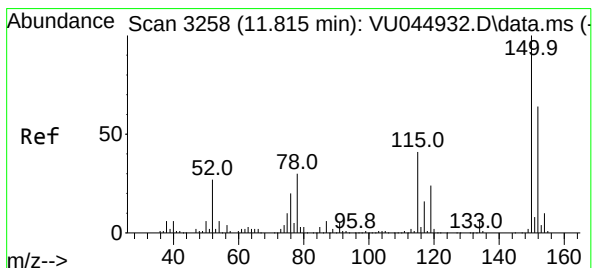
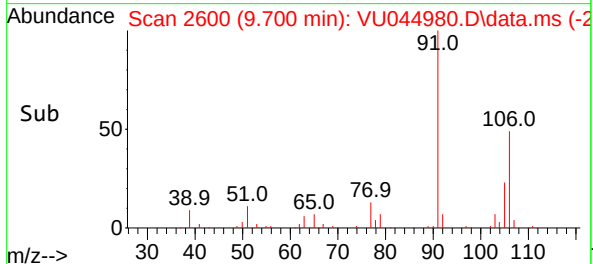
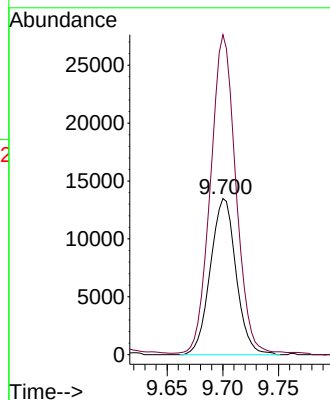
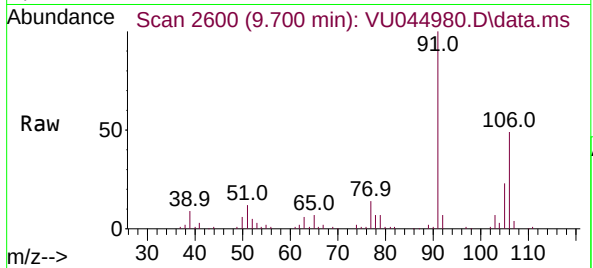




#68
m/p-Xylenes
Concen: 4.422 ug/l
RT: 9.700 min Scan# 21636
Delta R.T. 0.003 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

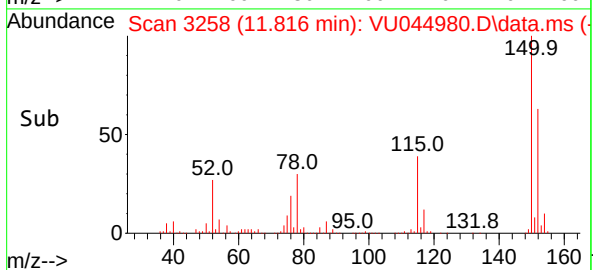
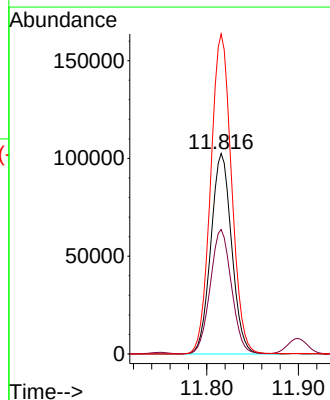
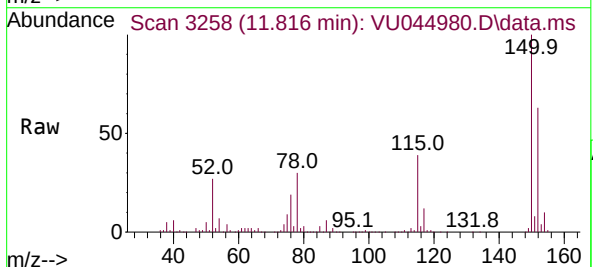
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

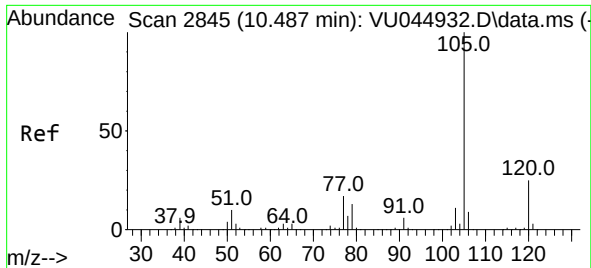
Tgt Ion:106 Resp: 21636
Ion Ratio Lower Upper
106 100
91 201.0 164.2 246.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion:152 Resp: 161794
Ion Ratio Lower Upper
152 100
115 63.2 43.5 130.7
150 160.1 0.0 350.0

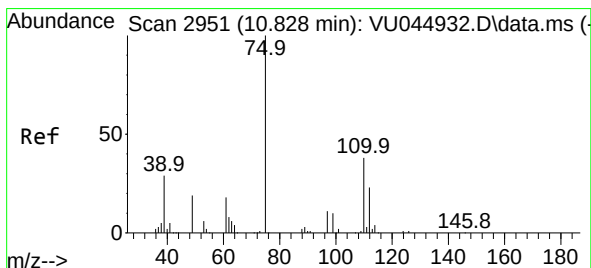
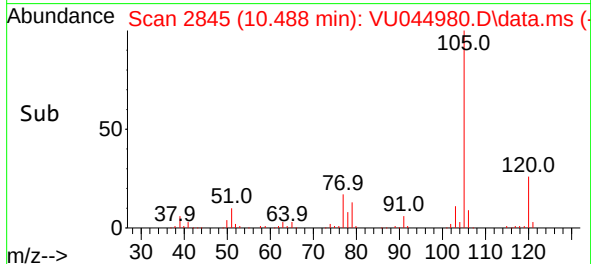
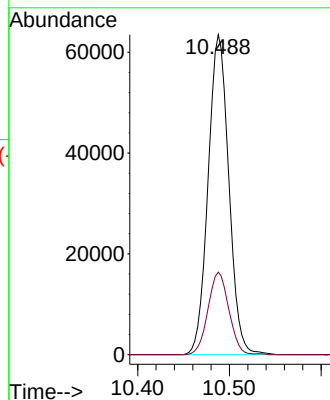
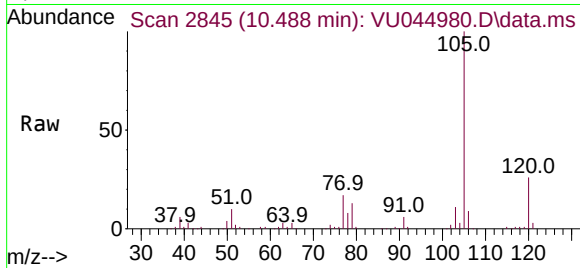




#73
Isopropylbenzene
Concen: 8.257 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.001 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

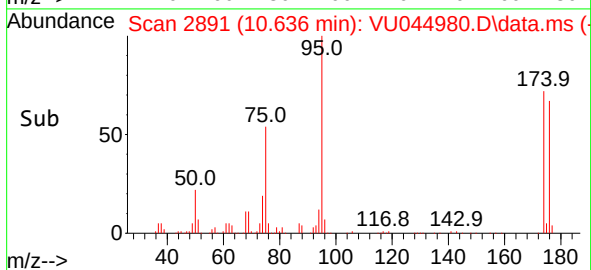
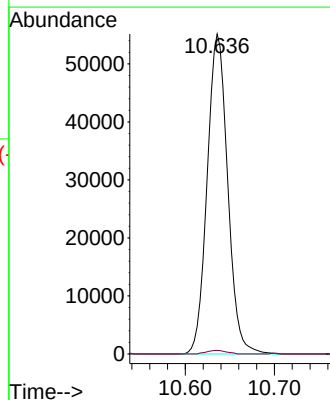
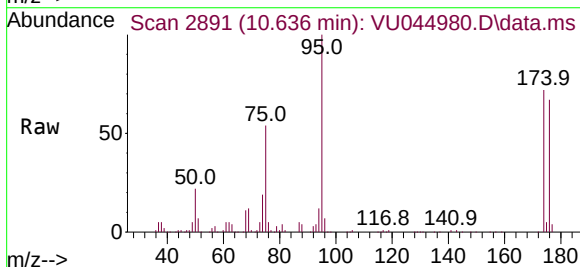
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

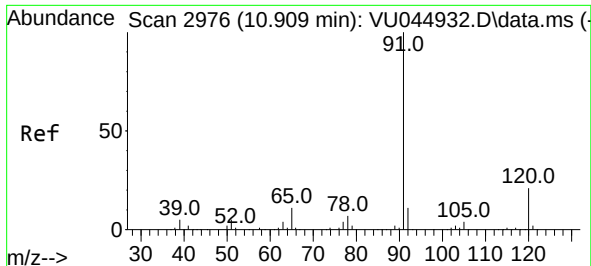
Tgt Ion:105 Resp: 99488
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.3



#76
1,2,3-Trichloropropane
Concen: 18.700 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion: 75 Resp: 88252
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#

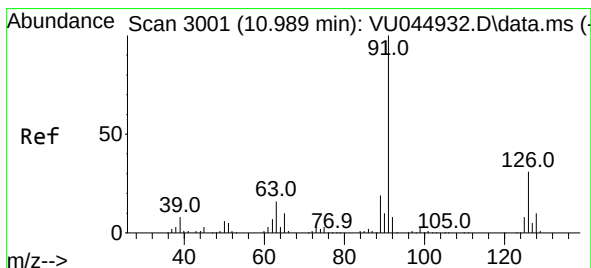
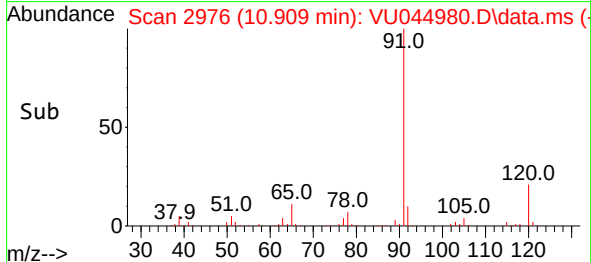
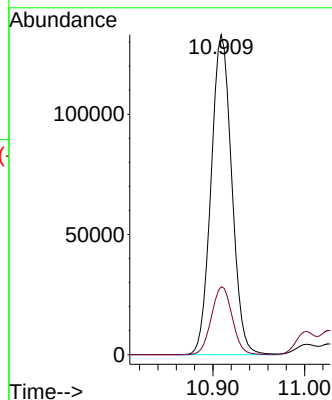
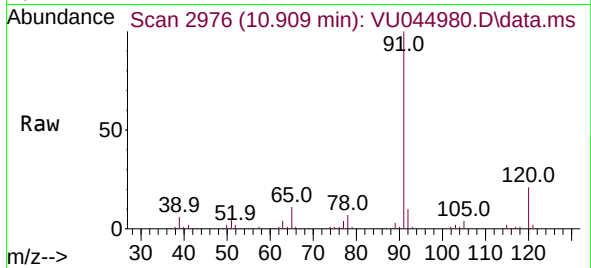




#78
n-propylbenzene
Concen: 14.208 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

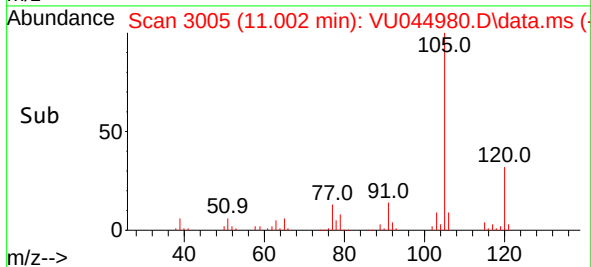
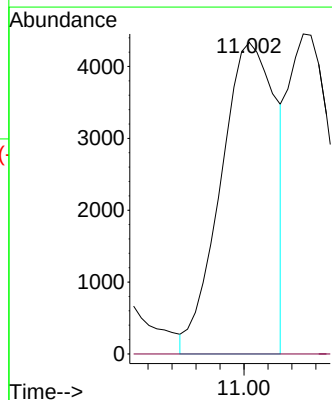
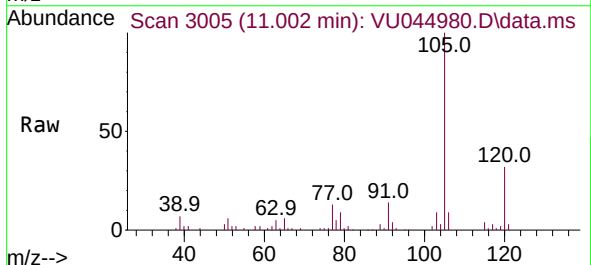
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

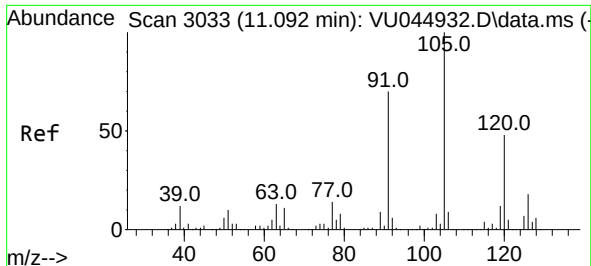
Tgt Ion: 91 Resp: 208617
Ion Ratio Lower Upper
91 100
120 21.4 10.8 32.4



#79
2-Chlorotoluene
Concen: 0.755 ug/l
RT: 11.002 min Scan# 3005
Delta R.T. 0.013 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion: 91 Resp: 6953
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#

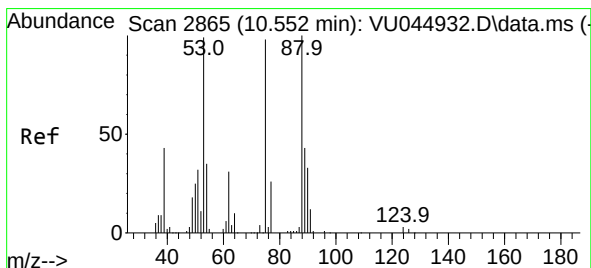
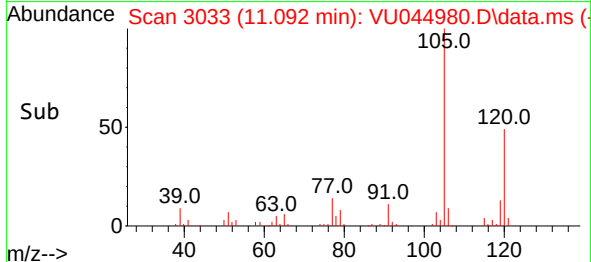
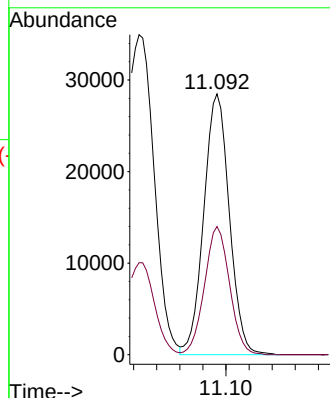
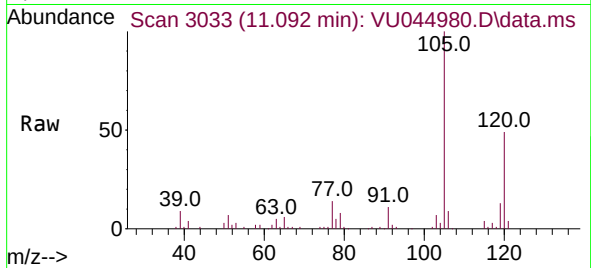




#80
1,3,5-Trimethylbenzene
Concen: 4.140 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

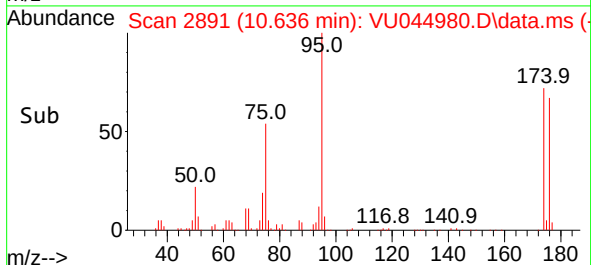
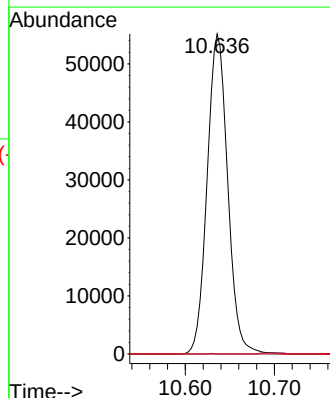
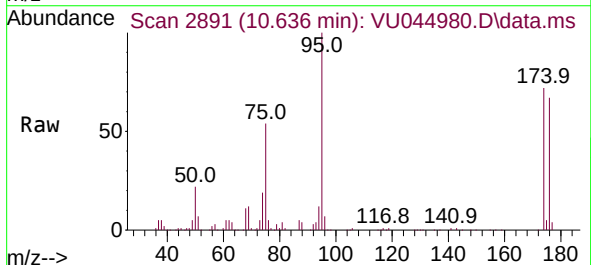
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

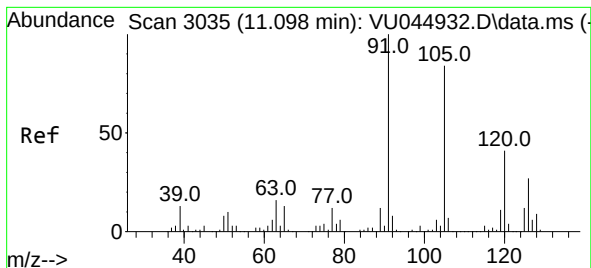
Tgt Ion:105 Resp: 43702
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 51.897 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion: 75 Resp: 88252
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#





#82

4-Chlorotoluene

Concen: 0.668 ug/l

RT: 11.002 min Scan# 3035

Delta R.T. -0.096 min

Lab File: VU044980.D

Acq: 29 Sep 2021 07:14

Instrument :

MSVOA_U

ClientSampleId :

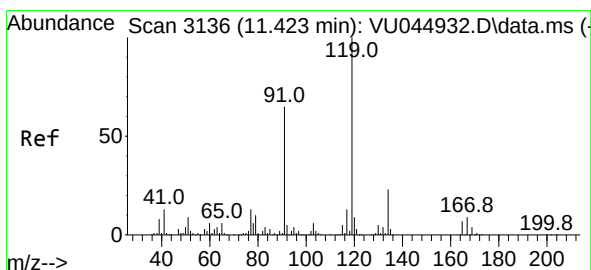
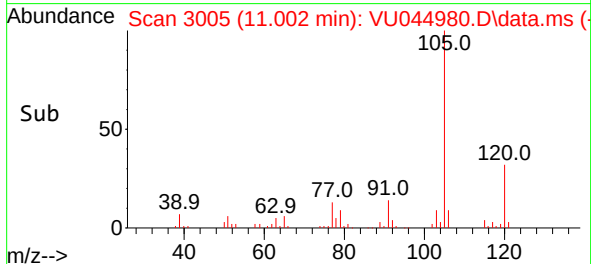
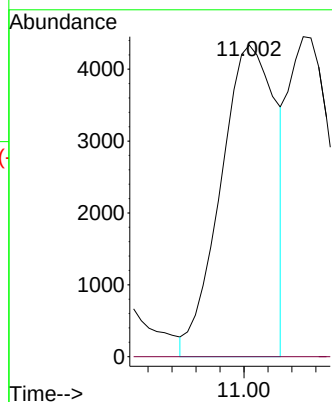
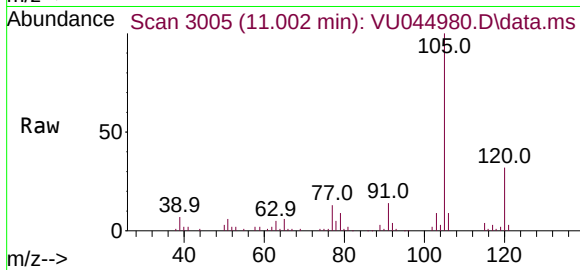
EP-1-MW-2-0921DL

Tgt Ion: 91 Resp: 6953

Ion Ratio Lower Upper

91 100

126 0.0 13.8 41.4#



#83

tert-Butylbenzene

Concen: 0.828 ug/l

RT: 11.420 min Scan# 3135

Delta R.T. -0.003 min

Lab File: VU044980.D

Acq: 29 Sep 2021 07:14

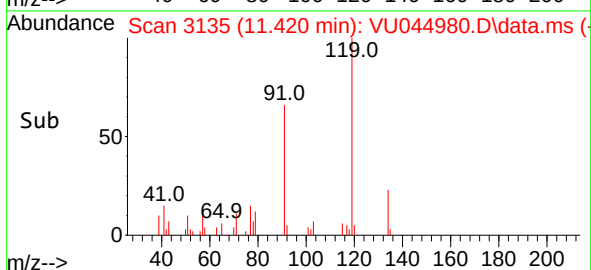
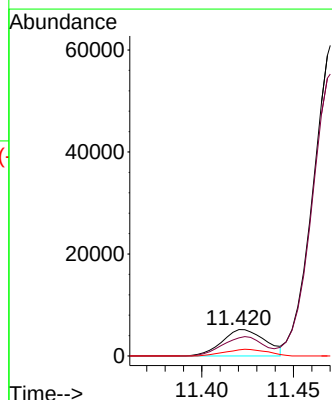
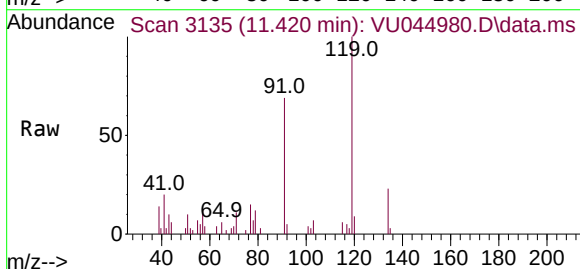
Tgt Ion: 119 Resp: 8504

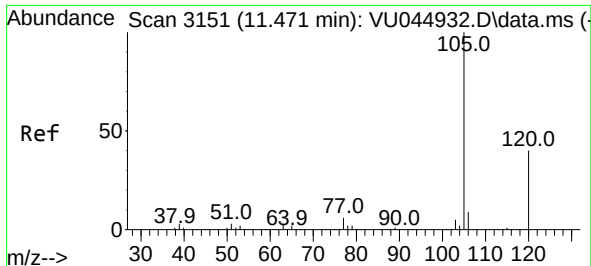
Ion Ratio Lower Upper

119 100

91 68.2 30.4 91.2

134 24.6 11.5 34.5

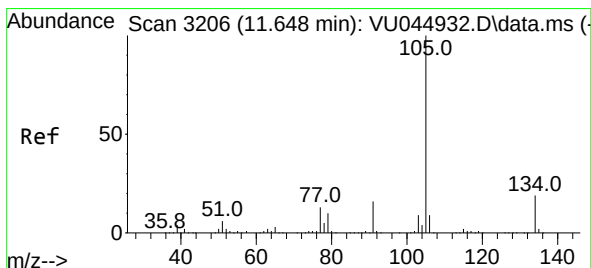
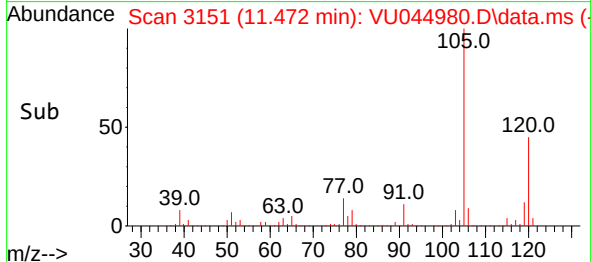
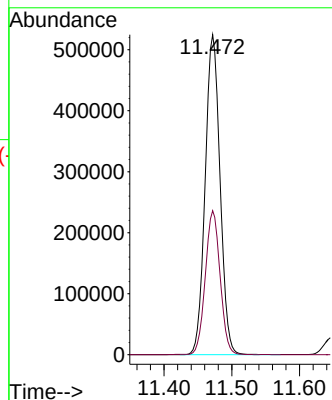
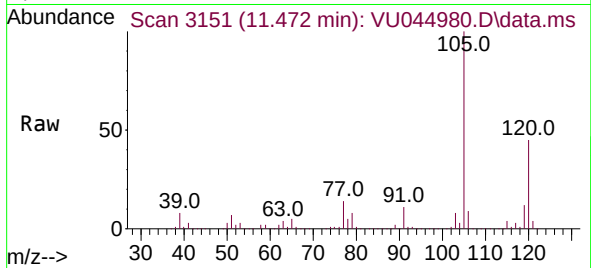




#84
1,2,4-Trimethylbenzene
Concen: 76.617 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

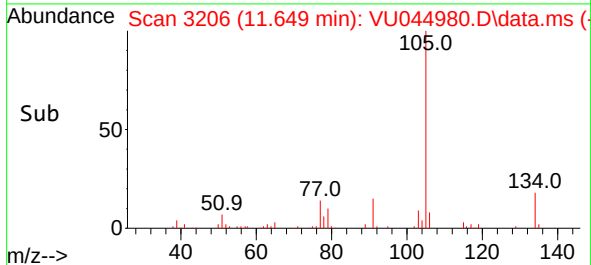
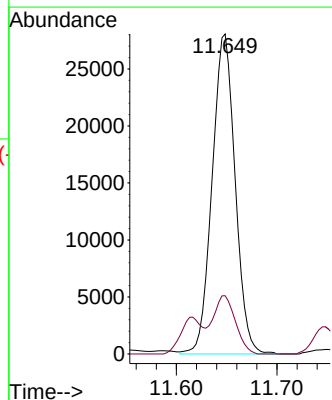
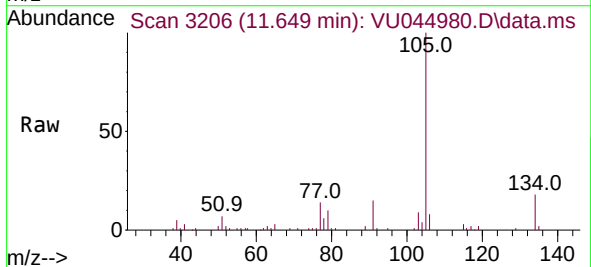
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

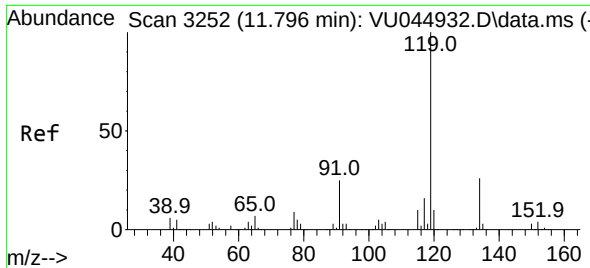
Tgt Ion:105 Resp: 800067
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.3



#85
sec-Butylbenzene
Concen: 3.374 ug/l
RT: 11.649 min Scan# 3206
Delta R.T. 0.001 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion:105 Resp: 44612
Ion Ratio Lower Upper
105 100
134 17.6 9.3 28.0

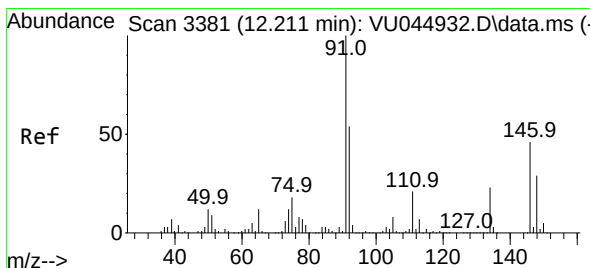
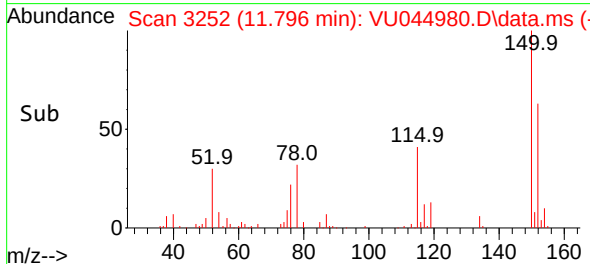
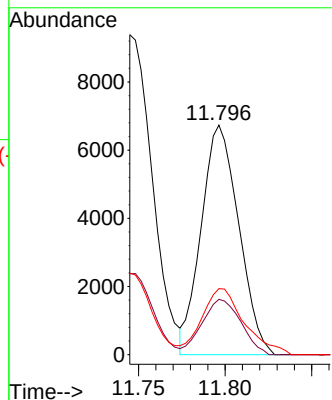
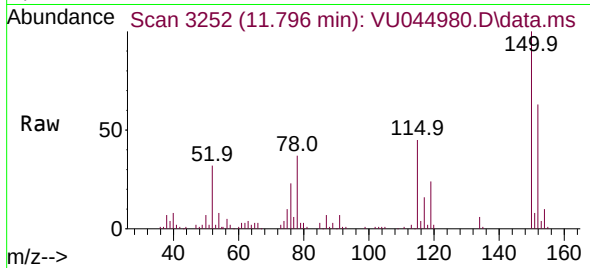




#86
 p-Isopropyltoluene
 Concen: 0.954 ug/l
 RT: 11.796 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU044980.D
 Acq: 29 Sep 2021 07:14

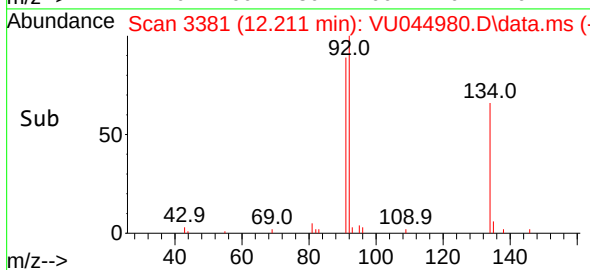
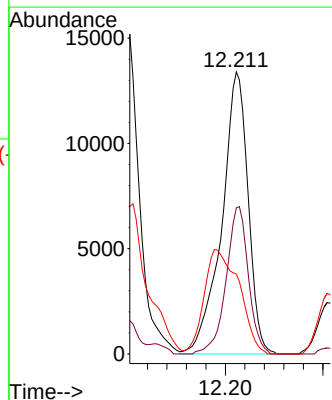
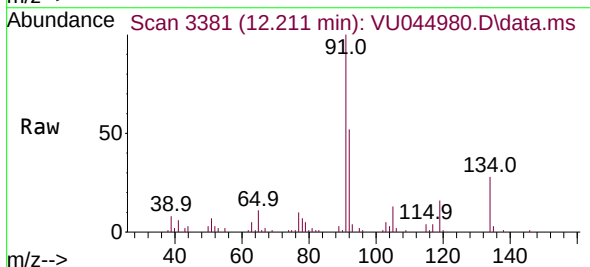
Instrument :
 MSVOA_U
 ClientSampleId :
 EP-1-MW-2-0921DL

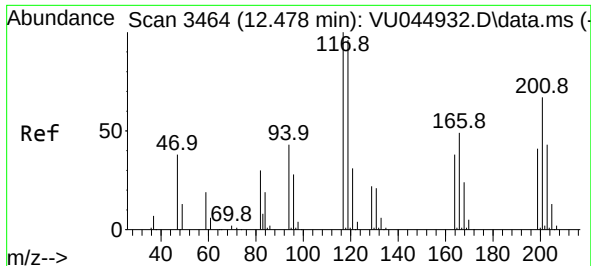
Tgt Ion:119 Resp: 10148
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.8 38.3
 91 32.5 12.2 36.6



#89
 n-Butylbenzene
 Concen: 2.563 ug/l
 RT: 12.211 min Scan# 3381
 Delta R.T. 0.000 min
 Lab File: VU044980.D
 Acq: 29 Sep 2021 07:14

Tgt Ion: 91 Resp: 25102
 Ion Ratio Lower Upper
 91 100
 92 44.2 26.8 80.4
 134 0.0 11.8 35.4#

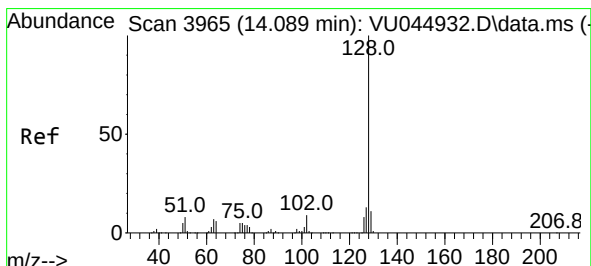
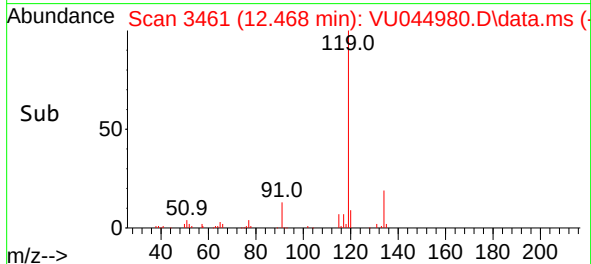
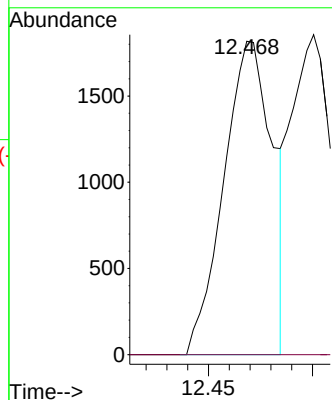
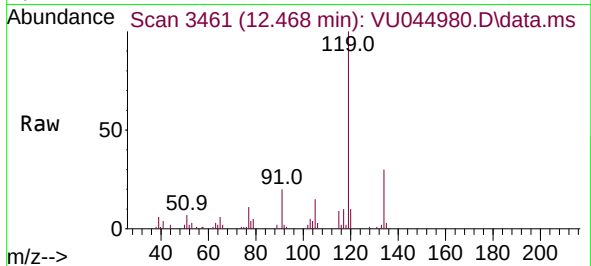




#90
Hexachloroethane
Concen: 1.537 ug/l
RT: 12.468 min Scan# 3464
Delta R.T. -0.010 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-2-0921DL

Tgt Ion:117 Resp: 2951
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.3#



#95
Naphthalene
Concen: 2.963 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044980.D
Acq: 29 Sep 2021 07:14

Tgt Ion:128 Resp: 35371
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.6 8.6 13.0

