

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048695.D
 Acq On : 27 May 2022 15:51
 Operator : SY/MD
 Sample : N3056-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-17

Quant Time: May 28 00:20:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

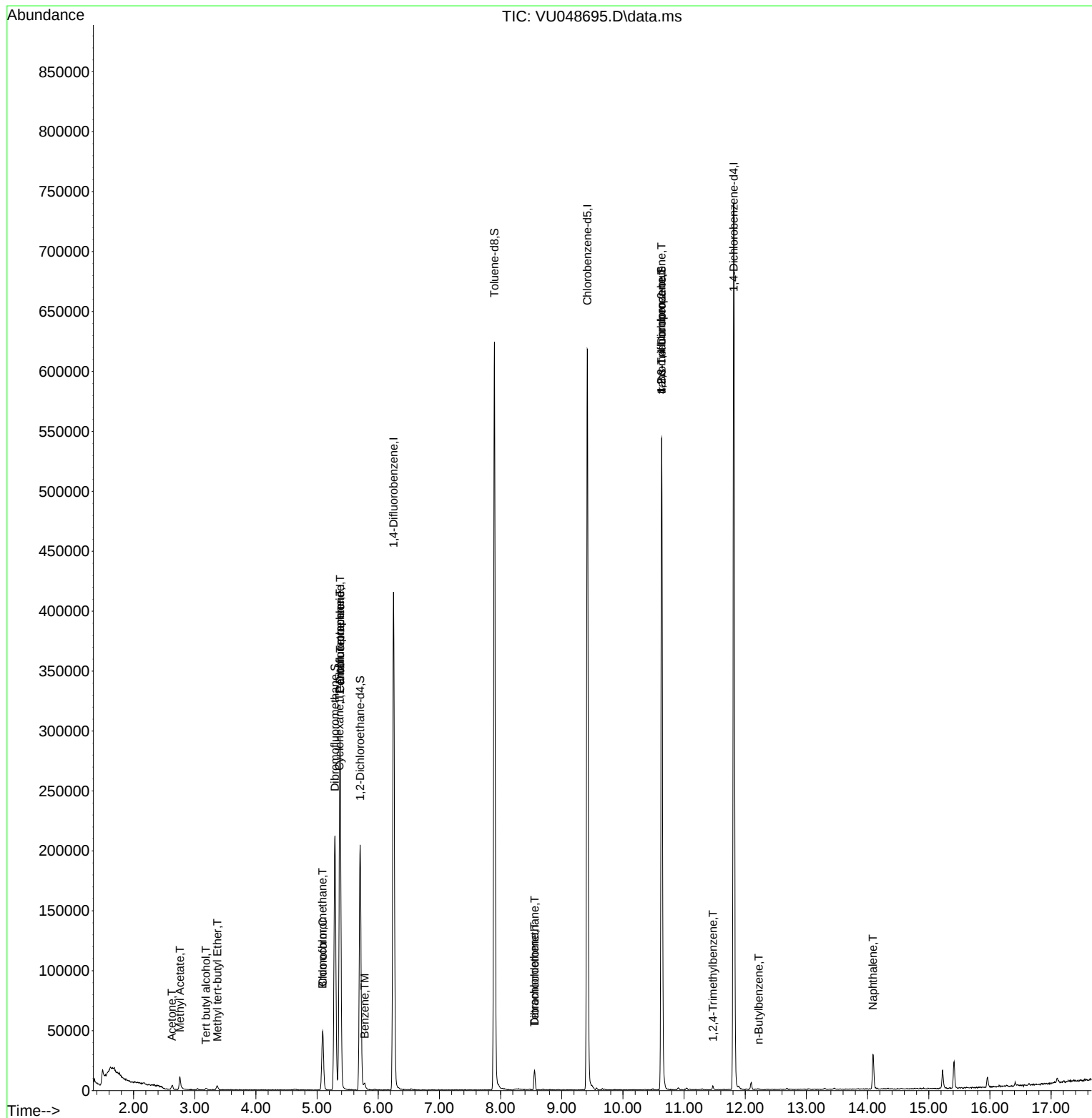
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.375	168	199333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	339741	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	350209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	199744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	160058	53.467	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.940%	
35) Dibromofluoromethane	5.292	113	139154	57.412	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 114.820%	
50) Toluene-d8	7.899	98	414356	47.691	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.380%	
62) 4-Bromofluorobenzene	10.632	95	189087	57.545	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.851	94	41	Below Cal	#	3
6) Chloroethane	1.935	64	369	Below Cal	#	82
11) Tert butyl alcohol	3.182	59	886	1.167	ug/l #	28
13) Acrolein	2.391	56	22	Below Cal	#	14
16) Acetone	2.626	43	4841	3.173	ug/l #	83
18) Methyl Acetate	2.758	43	2808	0.733	ug/l #	51
19) Methyl tert-butyl Ether	3.369	73	3145	0.409	ug/l	99
28) Bromochloromethane	5.089	49	3046	1.706	ug/l #	13
30) Chloroform	5.092	83	45076	9.896	ug/l	99
31) Cyclohexane	5.365	56	1807	0.479	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	15794	4.465	ug/l #	50
38) Carbon Tetrachloride	5.375	117	21009	5.177	ug/l #	16
40) Benzene	5.777	78	4054	0.388	ug/l #	87
60) Dibromochloromethane	8.555	129	3597	1.164	ug/l #	11
64) Tetrachloroethene	8.552	164	3467	0.324	ug/l	90
76) 1,2,3-Trichloropropane	10.632	75	91822	14.258	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	91822	51.767	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	2175	1.363	ug/l	98
89) n-Butylbenzene	12.220	91	261	2.207	ug/l #	34
95) Naphthalene	14.089	128	26879	4.156	ug/l	99

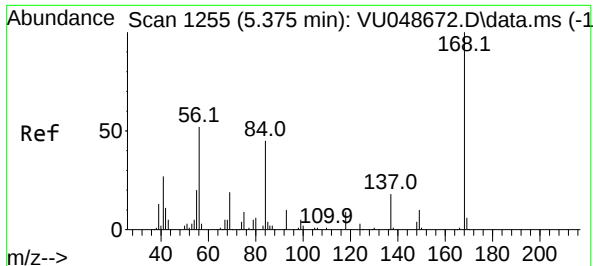
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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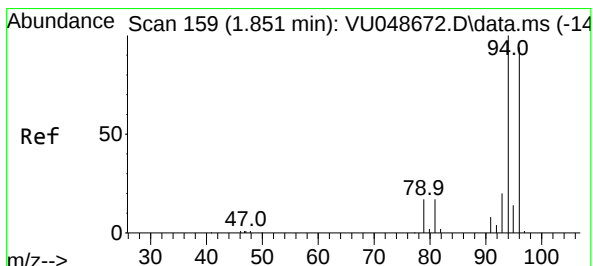
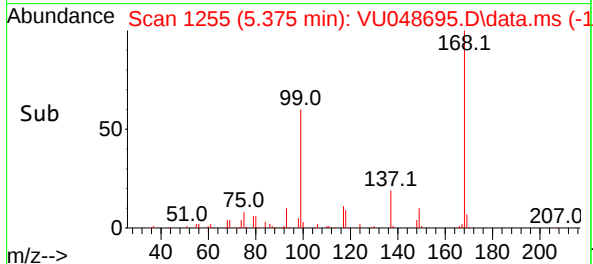
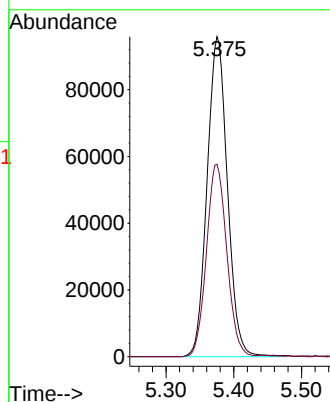
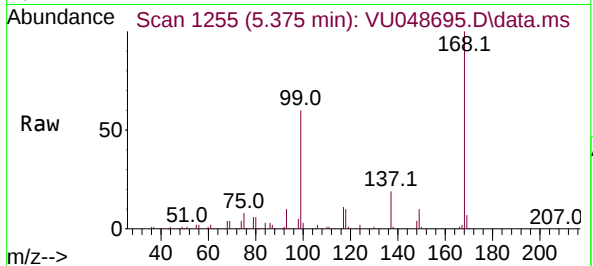




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

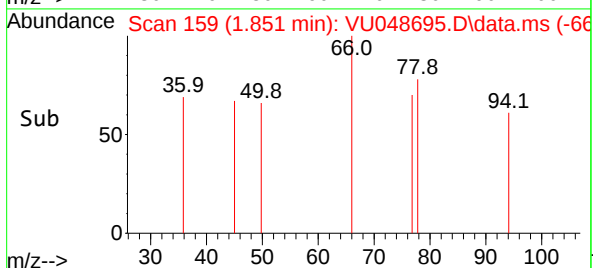
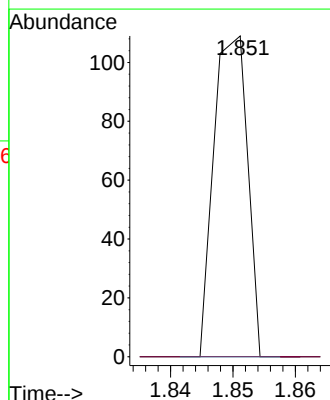
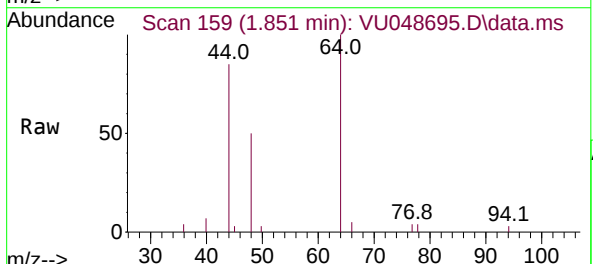
Instrument :
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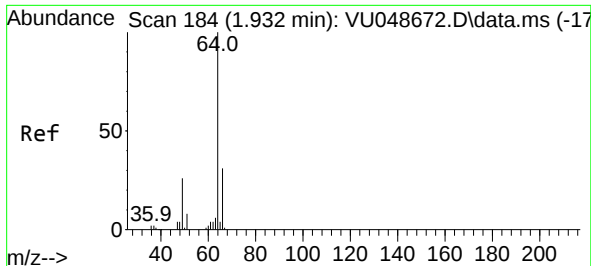
Tgt Ion:168 Resp: 199333
Ion Ratio Lower Upper
168 100
99 60.1 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.851 min Scan# 159
Delta R.T. 0.000 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

Tgt Ion: 94 Resp: 41
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

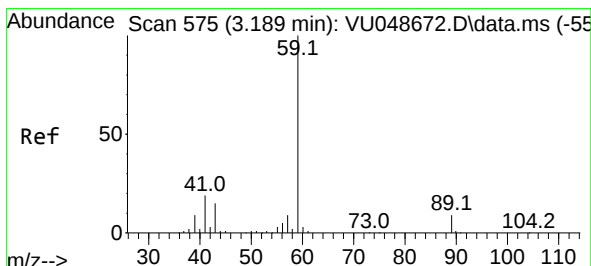
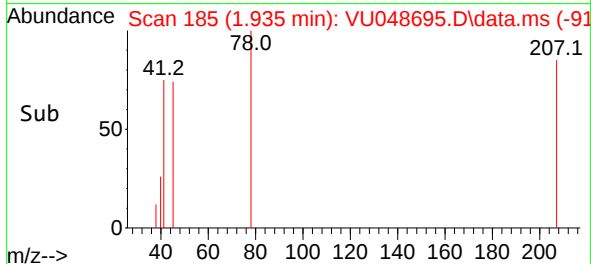
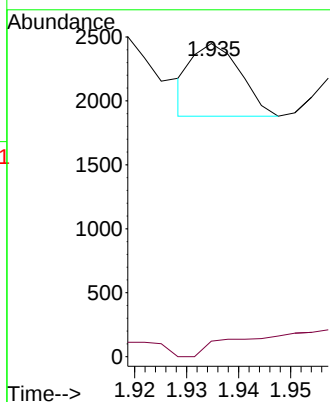
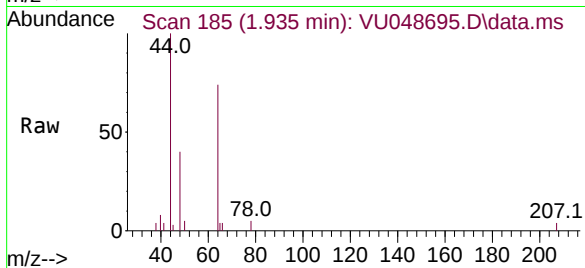




#6
Chloroethane
Concen: Below Cal
RT: 1.935 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

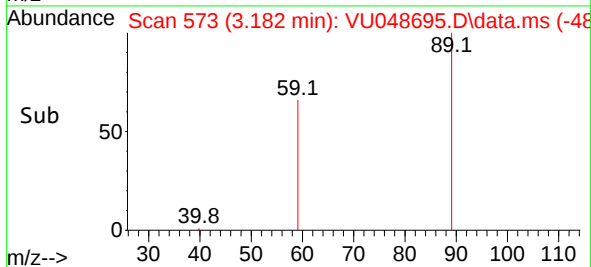
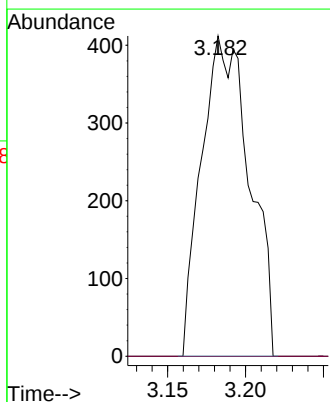
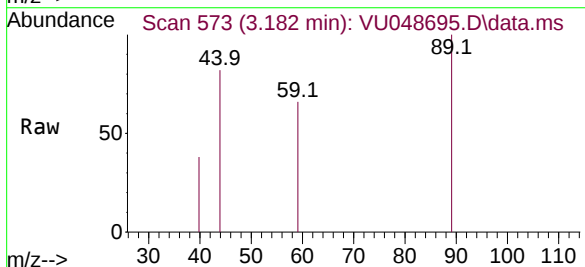
Instrument :
MSVOA_U
ClientSampleId :
MW-17

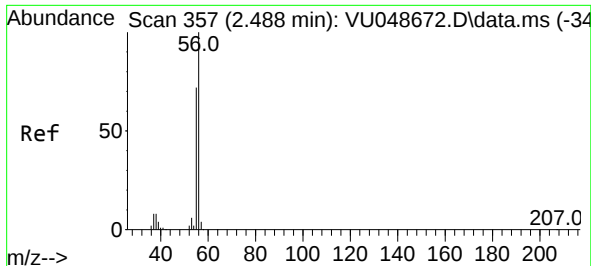
Tgt Ion: 64 Resp: 369
Ion Ratio Lower Upper
64 100
66 21.3 25.2 37.8#



#11
Tert butyl alcohol
Concen: 1.167 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.007 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

Tgt Ion: 59 Resp: 886
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

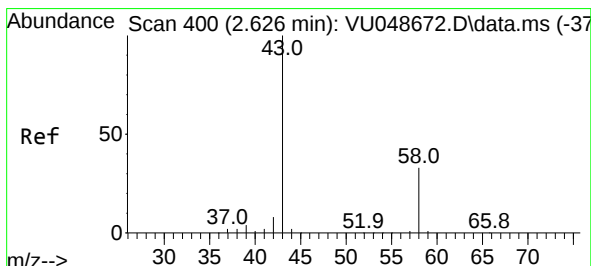
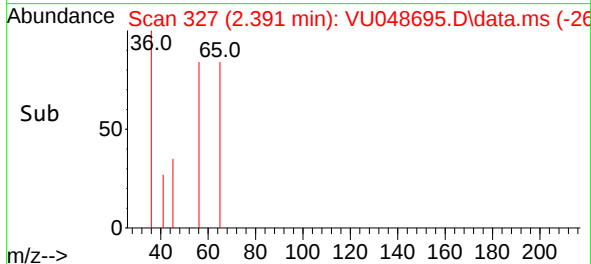
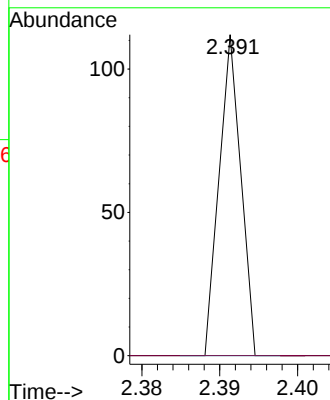
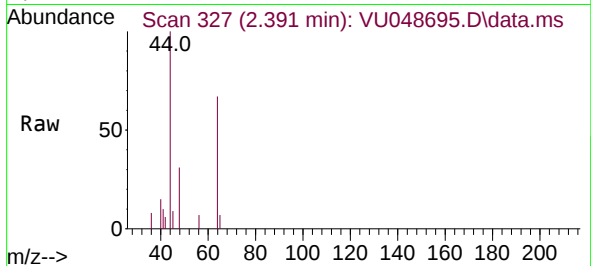




#13
Acrolein
Concen: Below Cal
RT: 2.391 min Scan# 31
Delta R.T. -0.097 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

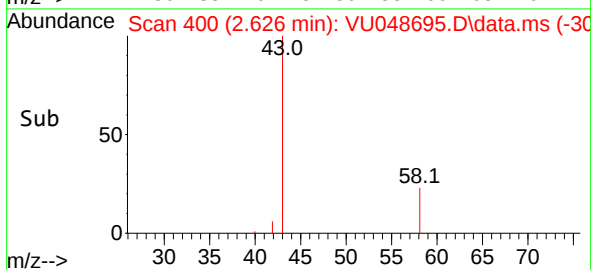
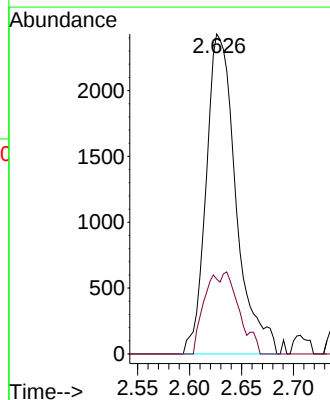
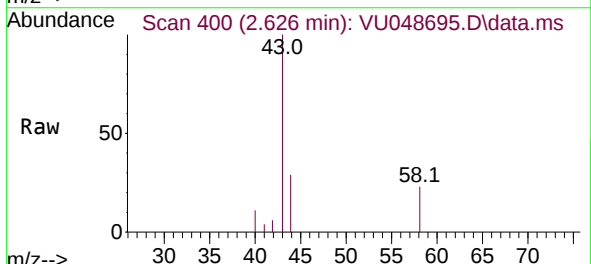
Instrument :
MSVOA_U
ClientSampleId :
MW-17

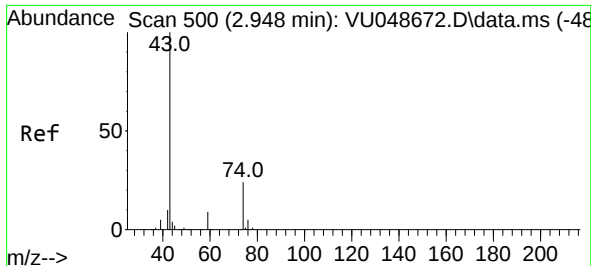
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 3.173 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

Tgt Ion: 43 Resp: 4841
Ion Ratio Lower Upper
43 100
58 23.4 26.3 39.5#

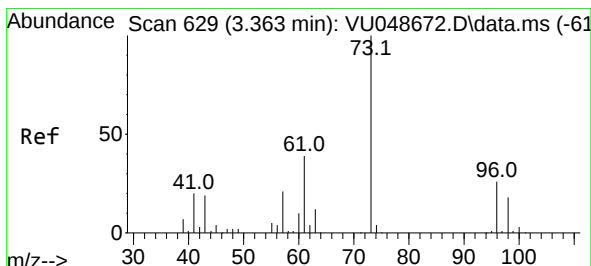
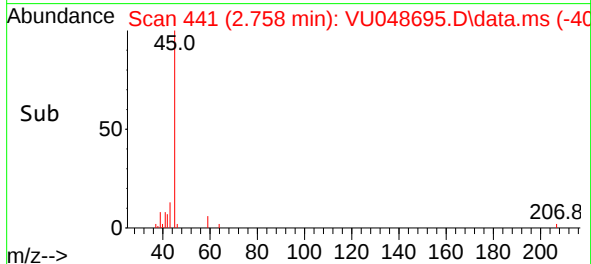
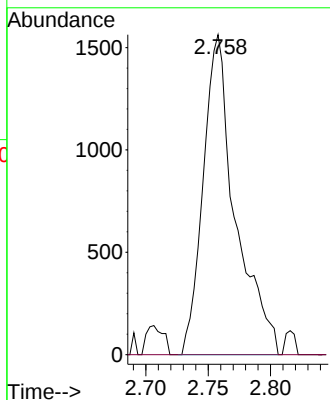
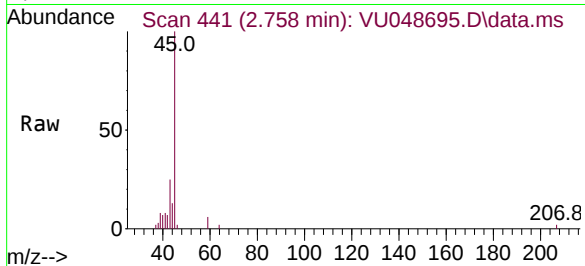




#18
Methyl Acetate
Concen: 0.733 ug/l
RT: 2.758 min Scan# 441
Delta R.T. -0.190 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

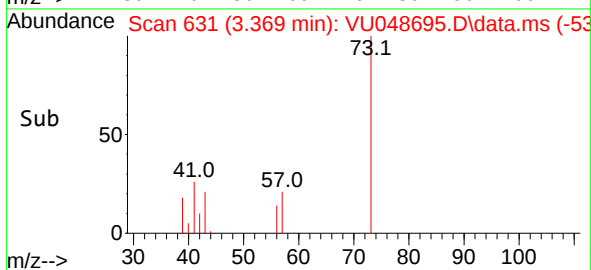
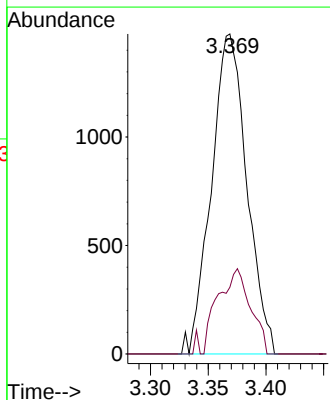
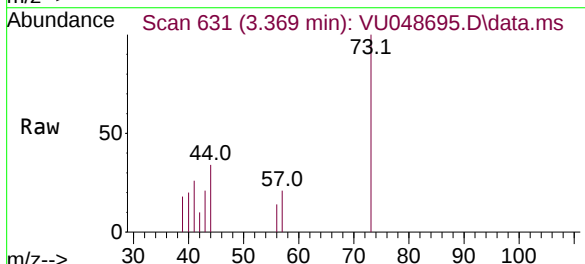
Instrument :
MSVOA_U
ClientSampleId :
MW-17

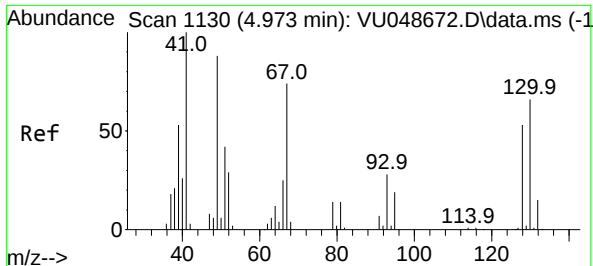
Tgt Ion: 43 Resp: 2808
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#19
Methyl tert-butyl Ether
Concen: 0.409 ug/l
RT: 3.369 min Scan# 631
Delta R.T. 0.006 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

Tgt Ion: 73 Resp: 3145
Ion Ratio Lower Upper
73 100
57 20.9 17.1 25.7





#28

Bromochloromethane

Concen: 1.706 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.116 min

Lab File: VU048695.D

Acq: 27 May 2022 15:51

Instrument :

MSVOA_U

ClientSampleId :

MW-17

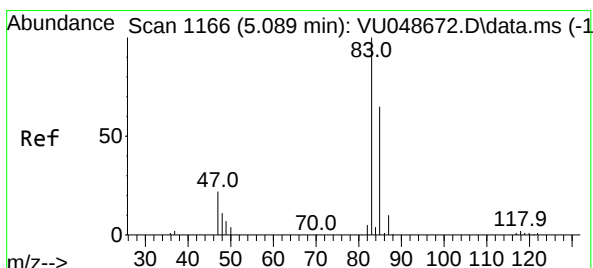
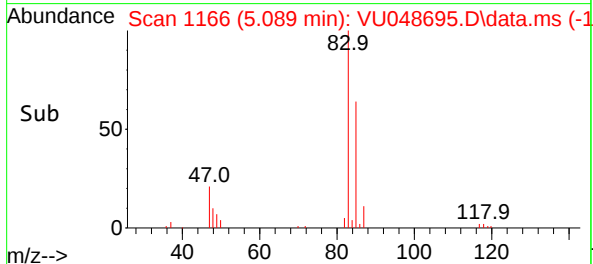
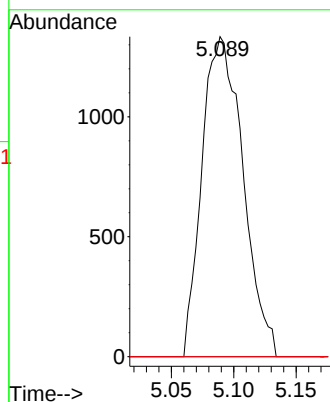
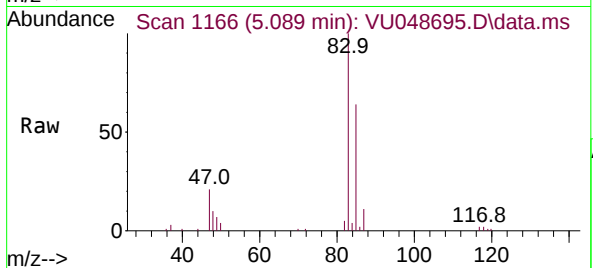
Tgt Ion: 49 Resp: 3046

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 62.1 93.1#



#30

Chloroform

Concen: 9.896 ug/l

RT: 5.092 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VU048695.D

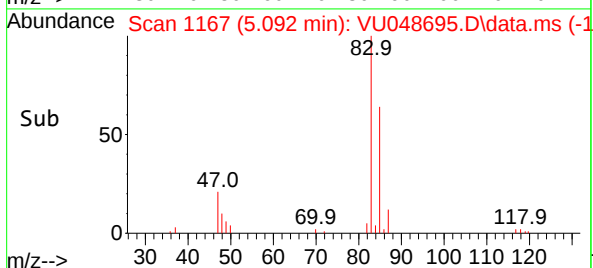
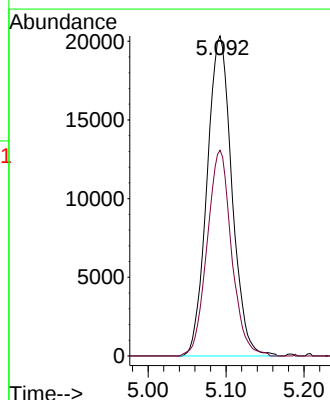
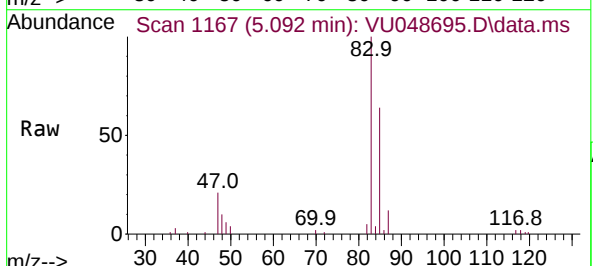
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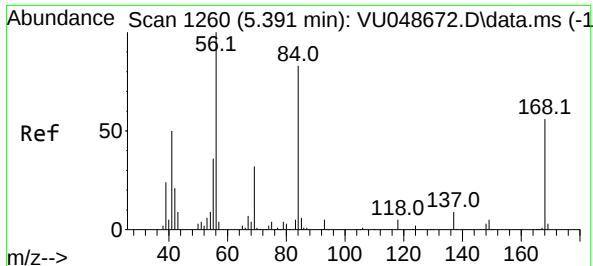
Tgt Ion: 83 Resp: 45076

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.2





#31

Cyclohexane

Concen: 0.479 ug/l

RT: 5.365 min Scan# 1252

Delta R.T. -0.026 min

Lab File: VU048695.D

Acq: 27 May 2022 15:51

Instrument :

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ClientSampleId :

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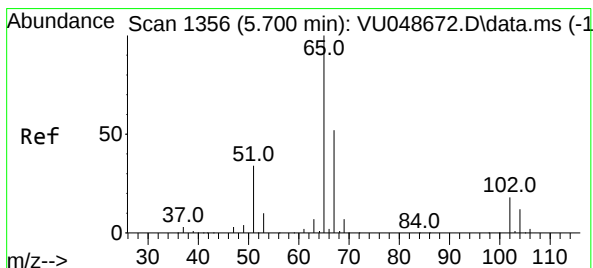
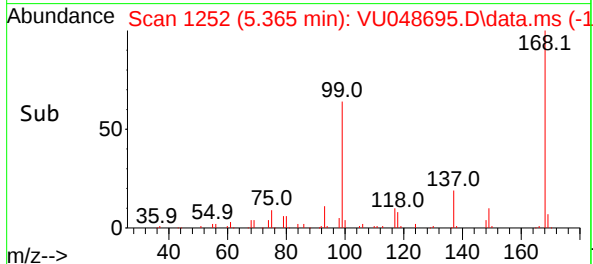
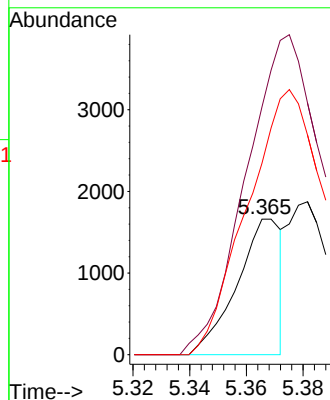
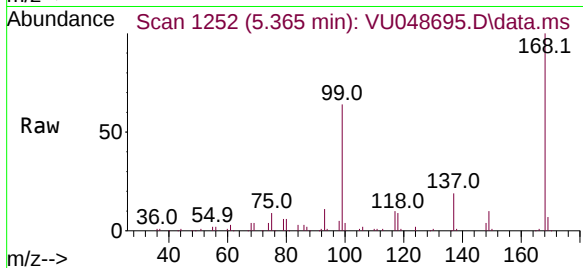
Tgt Ion: 56 Resp: 1807

Ion Ratio Lower Upper

56 100

69 182.8 25.6 38.4#

84 141.2 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 53.467 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU048695.D

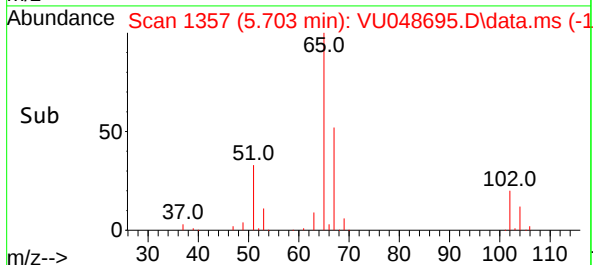
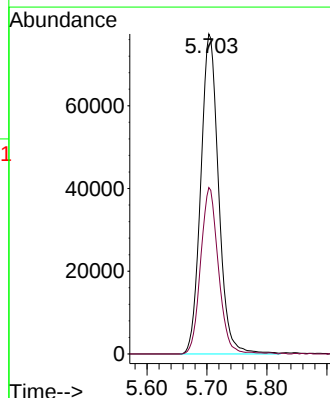
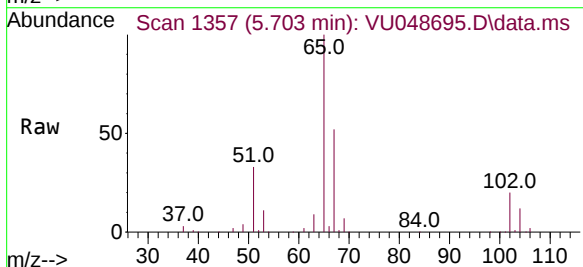
Acq: 27 May 2022 15:51

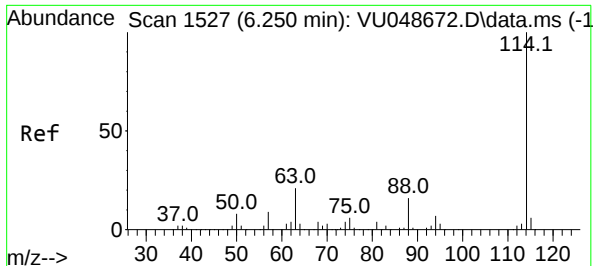
Tgt Ion: 65 Resp: 160058

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048695.D

Acq: 27 May 2022 15:51

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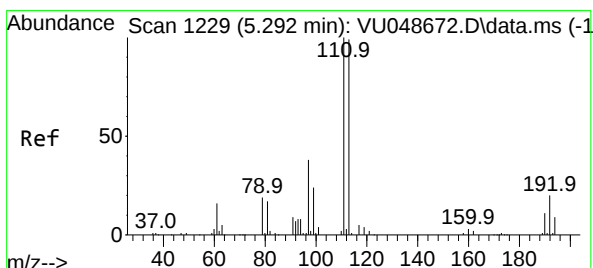
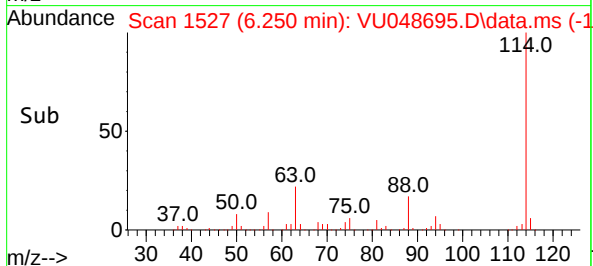
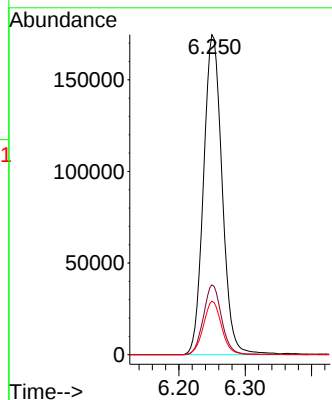
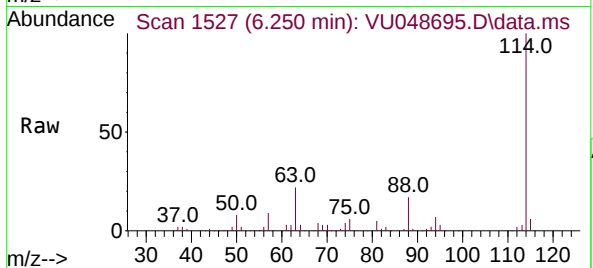
Tgt Ion:114 Resp: 339741

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

88 16.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.412 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU048695.D

Acq: 27 May 2022 15:51

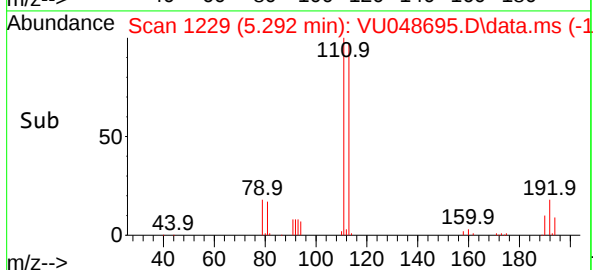
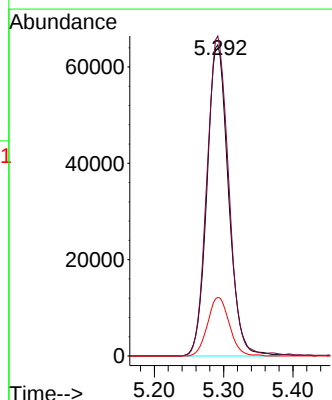
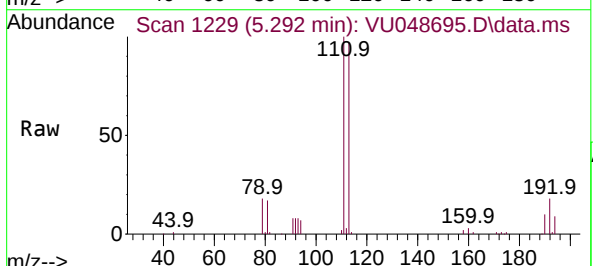
Tgt Ion:113 Resp: 139154

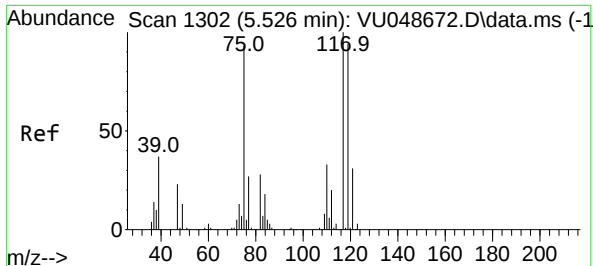
Ion Ratio Lower Upper

113 100

111 103.6 80.7 121.1

192 19.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.465 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.155 min

Lab File: VU048695.D

Acq: 27 May 2022 15:51

Instrument :

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ClientSampleId :

MW-17

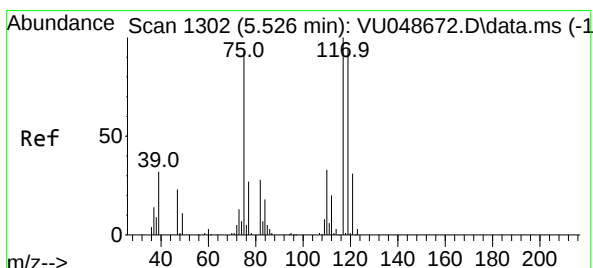
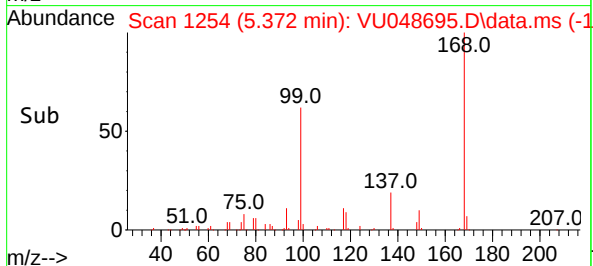
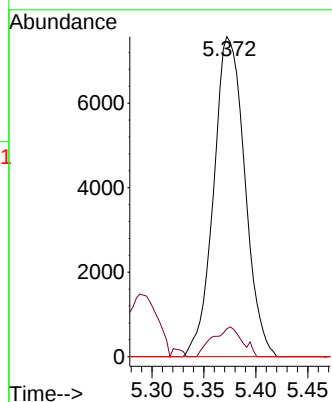
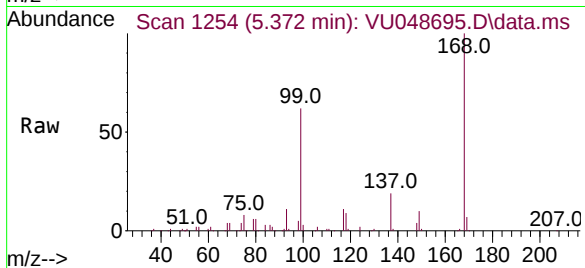
Tgt Ion: 75 Resp: 15794

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.177 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048695.D

Acq: 27 May 2022 15:51

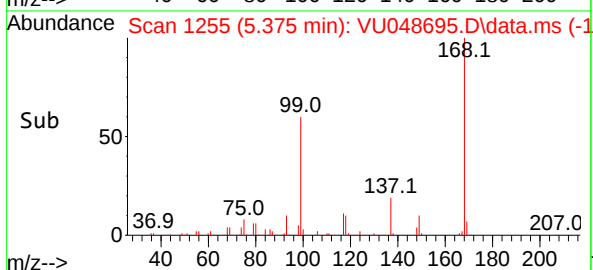
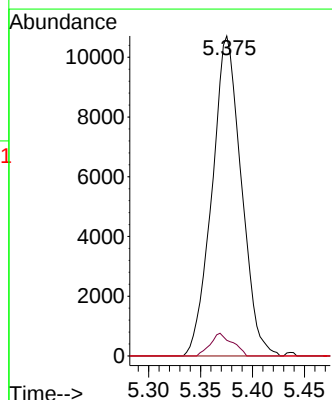
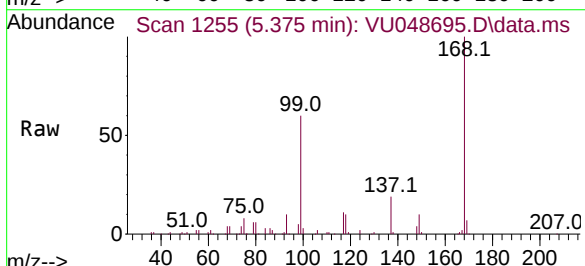
Tgt Ion: 117 Resp: 21009

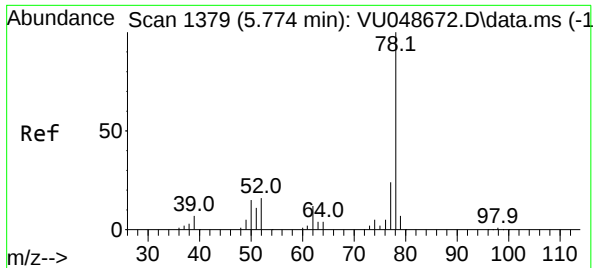
Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.2#

121 0.0 24.6 36.8#

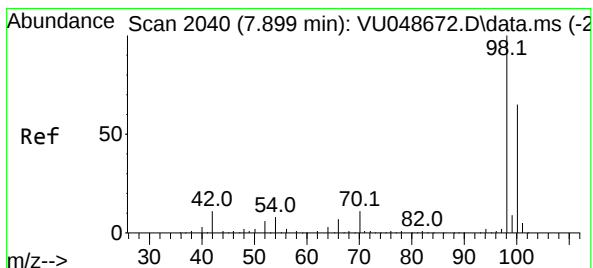
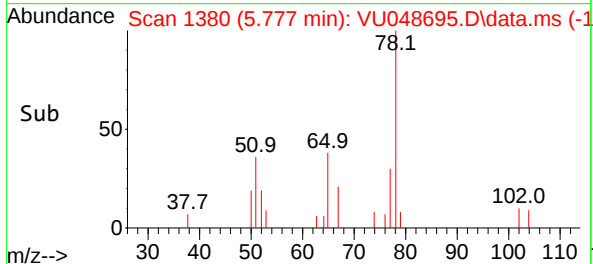
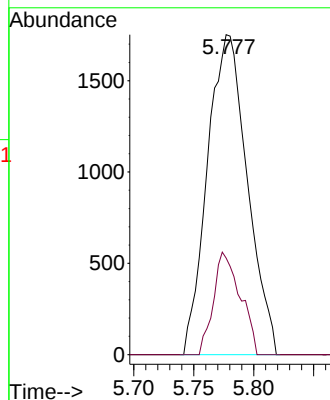
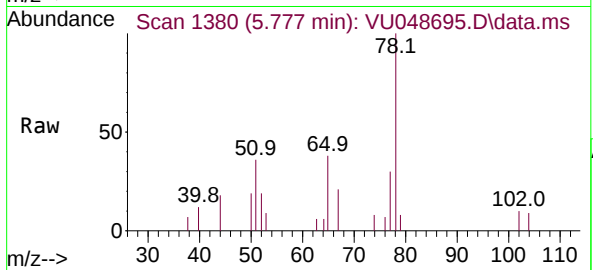




#40
Benzene
Concen: 0.388 ug/l
RT: 5.777 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

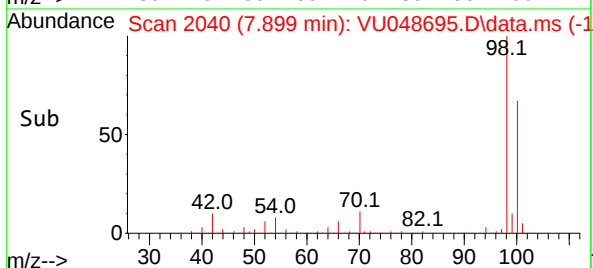
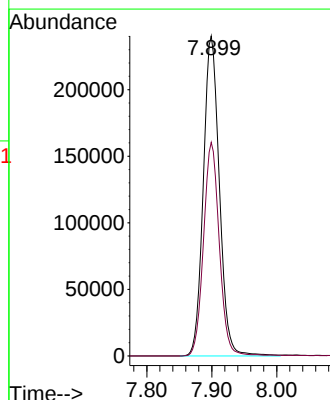
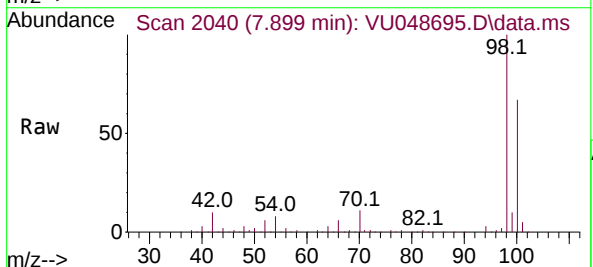
Instrument :
MSVOA_U
ClientSampleId :
MW-17

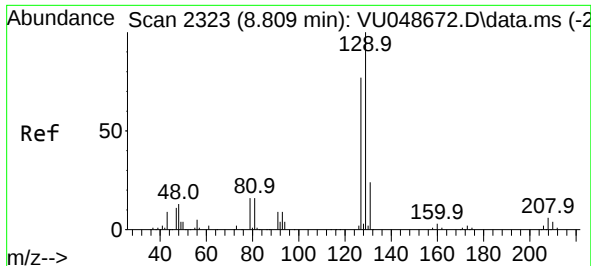
Tgt Ion: 78 Resp: 4054
Ion Ratio Lower Upper
78 100
77 30.2 19.0 28.6#



#50
Toluene-d8
Concen: 47.691 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

Tgt Ion: 98 Resp: 414356
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

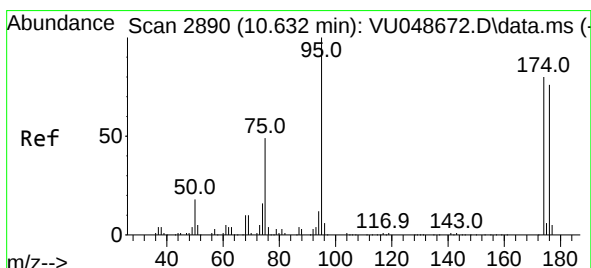
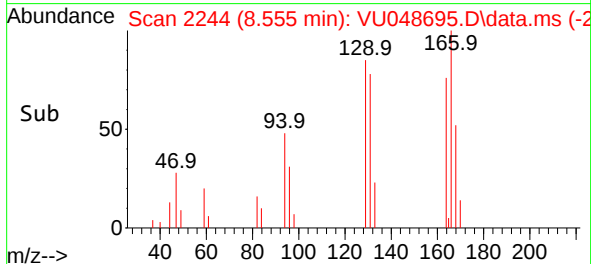
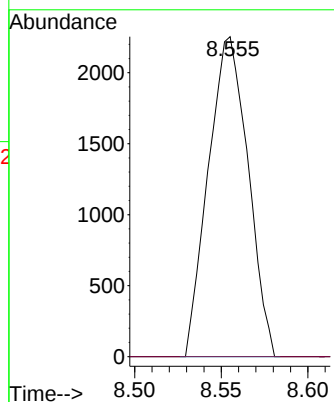
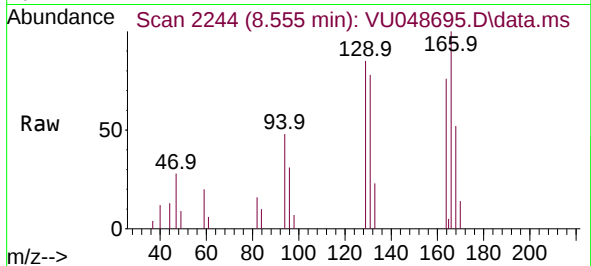




#60
Dibromochloromethane
Concen: 1.164 ug/l
RT: 8.555 min Scan# 211
Delta R.T. -0.254 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

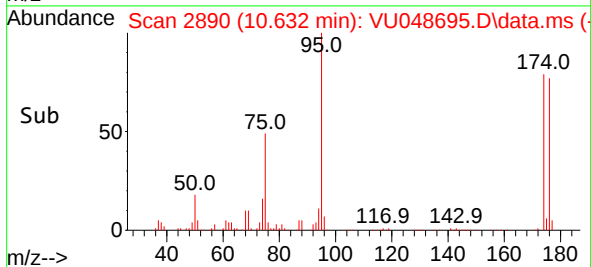
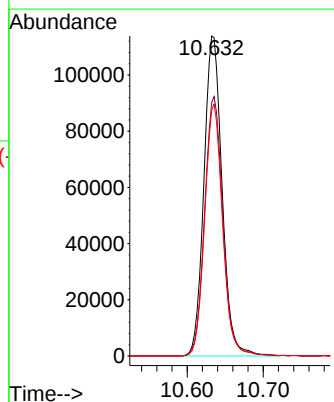
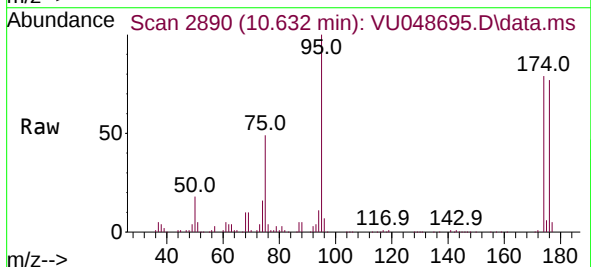
Instrument :
MSVOA_U
ClientSampleId :
MW-17

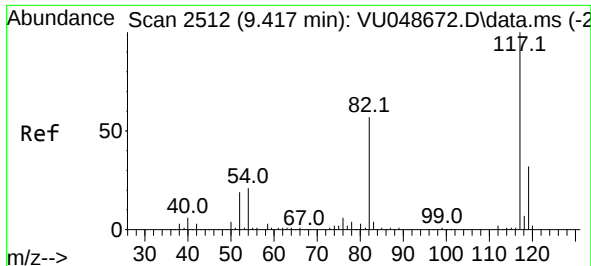
Tgt Ion:129 Resp: 3597
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 57.545 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

Tgt Ion: 95 Resp: 189087
Ion Ratio Lower Upper
95 100
174 81.5 0.0 159.4
176 77.5 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU048695.D

Acq: 27 May 2022 15:51

Instrument :

MSVOA_U

ClientSampleId :

MW-17

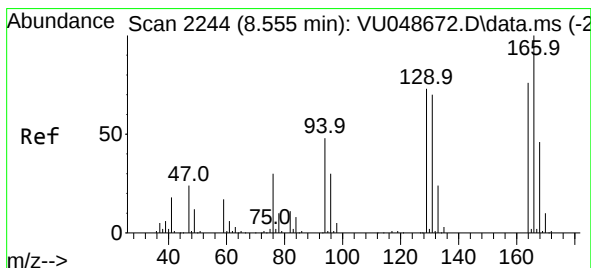
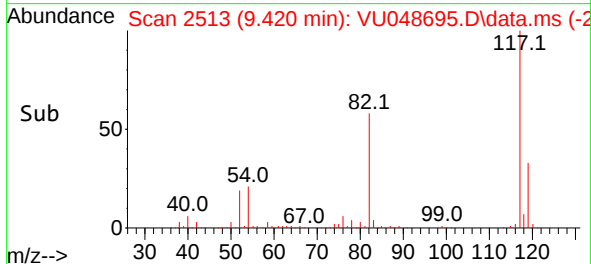
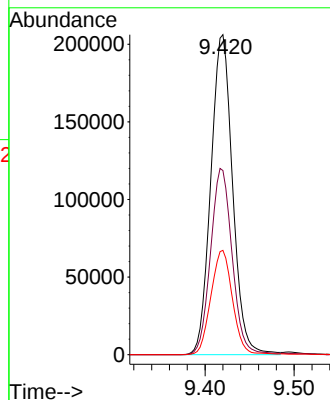
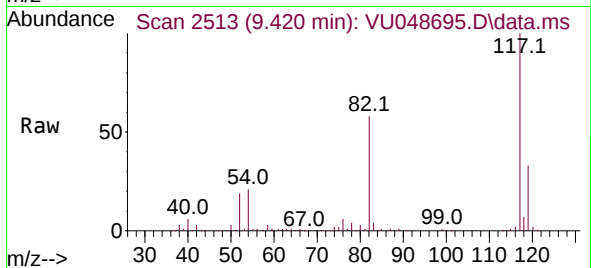
Tgt Ion:117 Resp: 350209

Ion Ratio Lower Upper

117 100

82 57.5 45.3 67.9

119 32.6 25.4 38.2



#64

Tetrachloroethene

Concen: 0.324 ug/l

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU048695.D

Acq: 27 May 2022 15:51

Tgt Ion:164 Resp: 3467

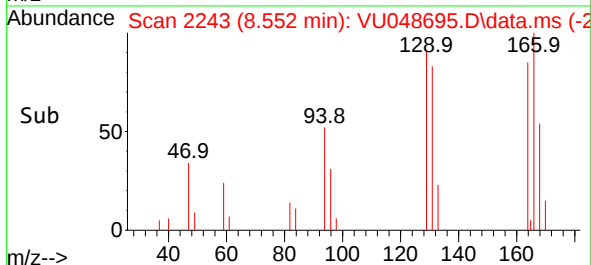
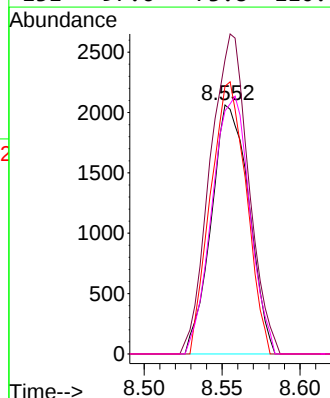
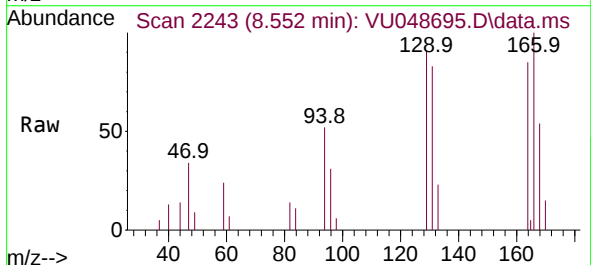
Ion Ratio Lower Upper

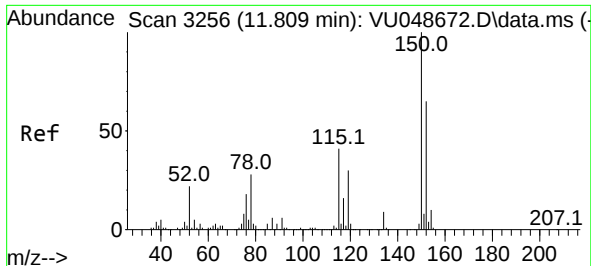
164 100

166 118.1 105.0 157.4

129 107.5 76.5 114.7

131 97.6 73.8 110.6

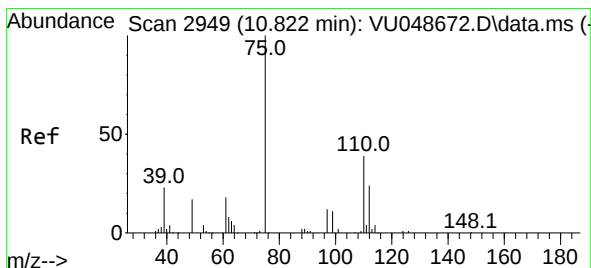
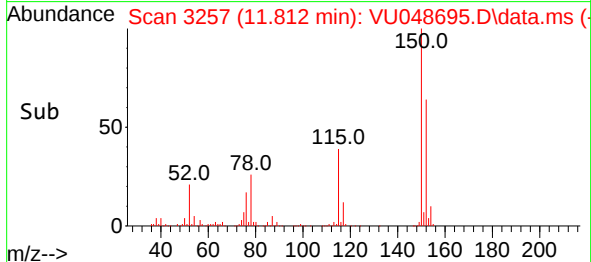
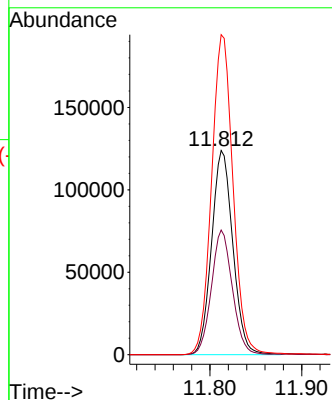
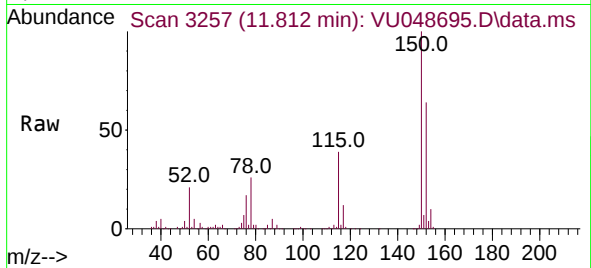




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048695.D
 Acq: 27 May 2022 15:51

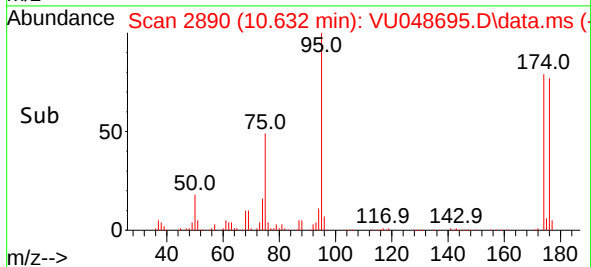
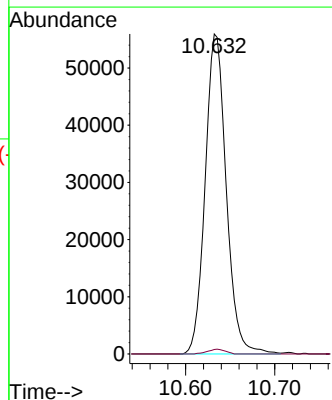
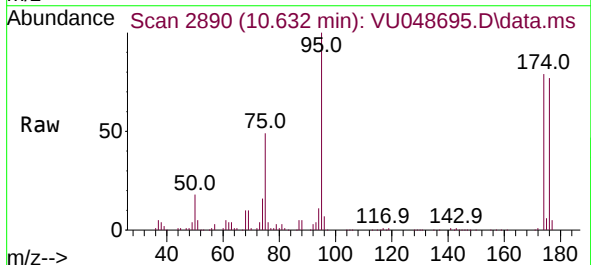
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-17

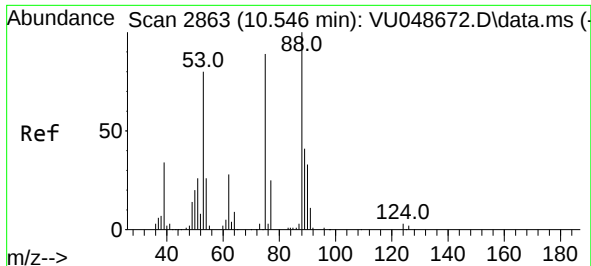
Tgt Ion:152 Resp: 199744
 Ion Ratio Lower Upper
 152 100
 115 60.0 41.8 125.4
 150 157.7 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 14.258 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.190 min
 Lab File: VU048695.D
 Acq: 27 May 2022 15:51

Tgt Ion: 75 Resp: 91822
 Ion Ratio Lower Upper
 75 100
 77 1.2 14.8 44.3#

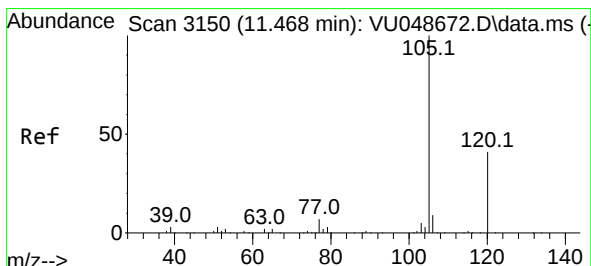
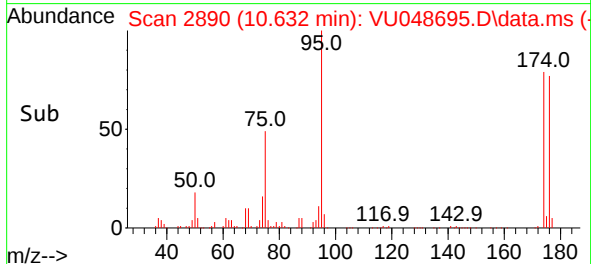
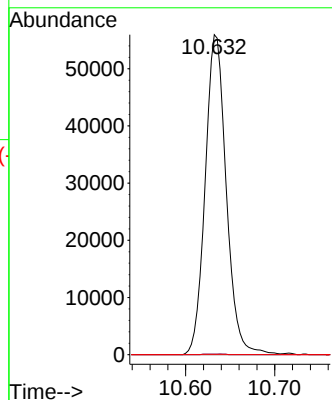
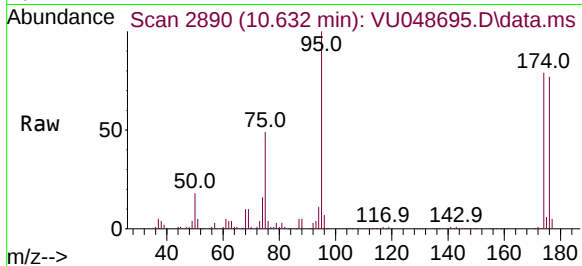




#81
trans-1,4-Dichloro-2-butene
Concen: 51.767 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

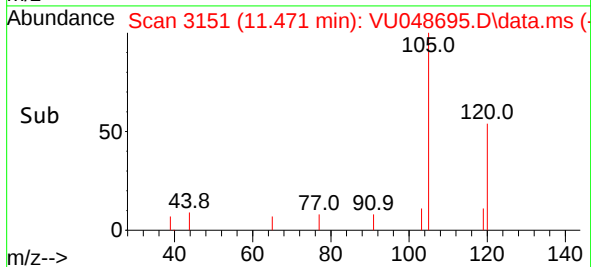
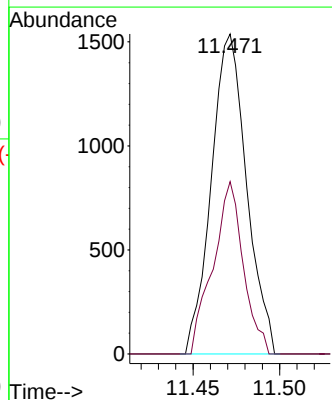
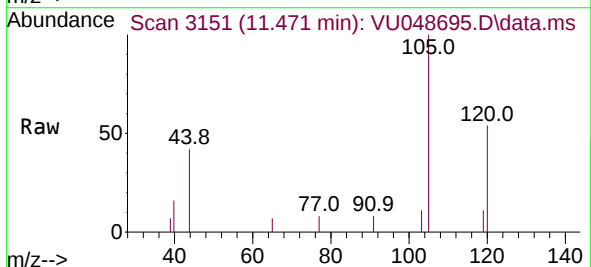
Instrument :
MSVOA_U
ClientSampleId :
MW-17

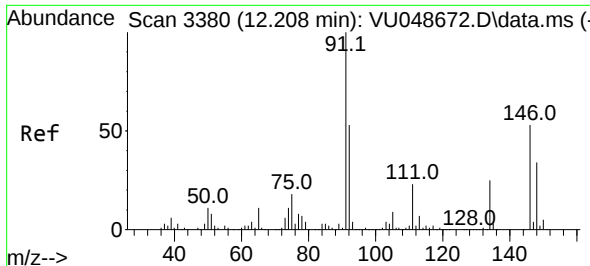
Tgt Ion: 75 Resp: 91822
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.363 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

Tgt Ion: 105 Resp: 2175
Ion Ratio Lower Upper
105 100
120 46.4 22.5 67.5

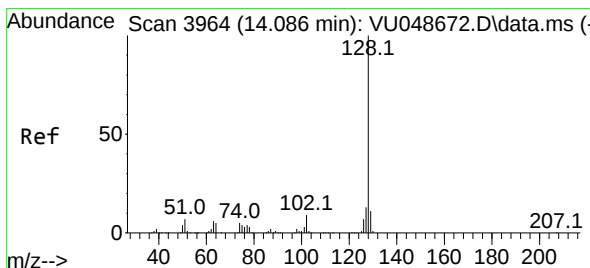
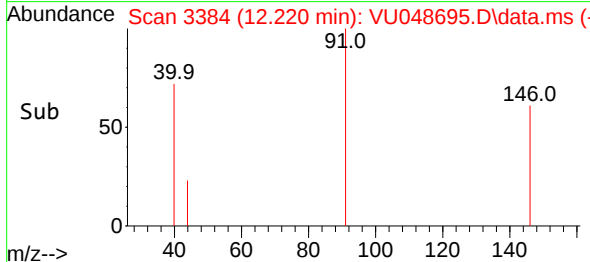
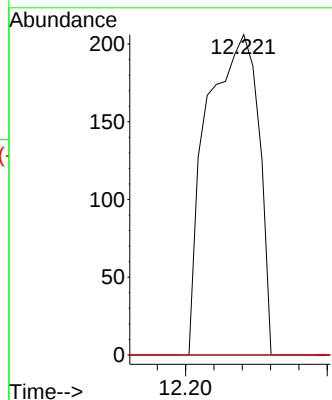
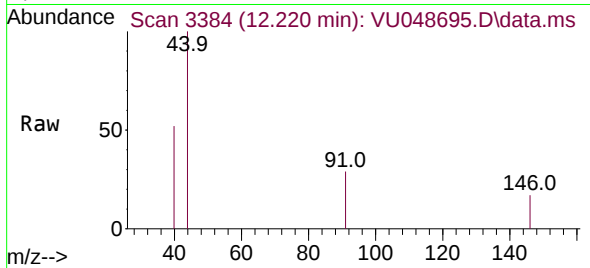




#89
n-Butylbenzene
Concen: 2.207 ug/l
RT: 12.220 min Scan# 31
Delta R.T. 0.012 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

Instrument :
MSVOA_U
ClientSampleId :
MW-17

Tgt Ion: 91 Resp: 261
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#



#95
Naphthalene
Concen: 4.156 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU048695.D
Acq: 27 May 2022 15:51

Tgt Ion: 128 Resp: 26879
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.7 8.7 13.1

