

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048914.D
 Acq On : 07 Jun 2022 17:00
 Operator : SY/MD
 Sample : N3165-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 11-MW-1-20220601

Quant Time: Jun 08 04:54:13 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)

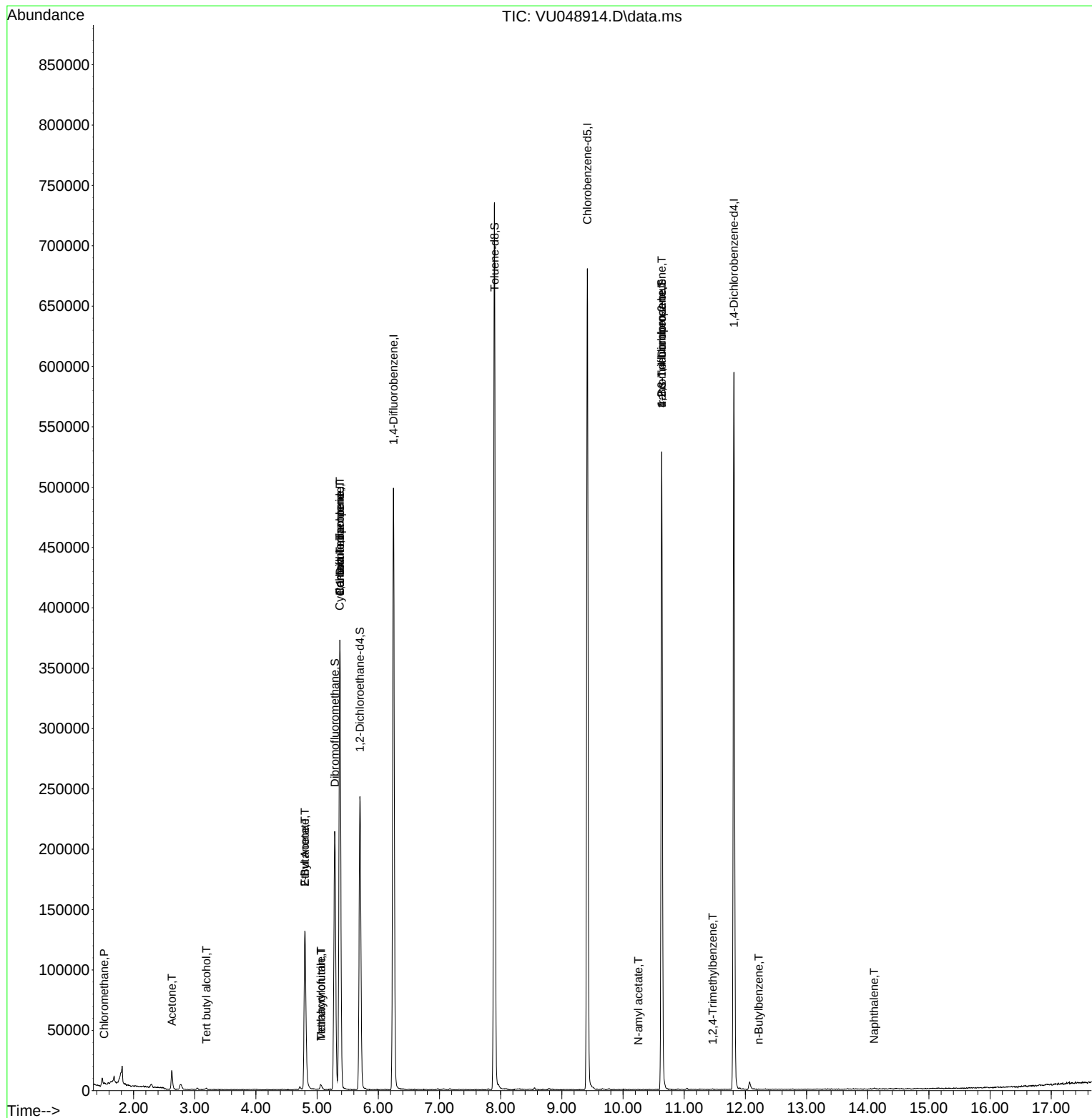
Internal Standards						
1) Pentafluorobenzene	5.372	168	247542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	396135	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	366125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	159215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	186863	50.264	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.520%
35) Dibromofluoromethane	5.288	113	137987	48.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.660%
50) Toluene-d8	7.899	98	488450	48.215	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.440%
62) 4-Bromofluorobenzene	10.632	95	173619	45.316	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.640%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1357	0.372	ug/l	91
5) Bromomethane	1.838	94	20	Below Cal	#	3
6) Chloroethane	1.925	64	424	Below Cal	#	43
11) Tert butyl alcohol	3.189	59	988	1.048	ug/l #	28
13) Acrolein	2.478	56	160	Below Cal	#	66
16) Acetone	2.623	43	16629	8.777	ug/l	95
25) 2-Butanone	4.800	43	174261	64.025	ug/l #	49
29) Tetrahydrofuran	5.063	42	3217	1.876	ug/l #	76
31) Cyclohexane	5.369	56	5165	1.102	ug/l #	2
36) 1,1-Dichloropropene	5.372	75	20969	5.084	ug/l #	49
37) Ethyl Acetate	4.800	43	174261	33.420	ug/l	100
38) Carbon Tetrachloride	5.372	117	25151	5.315	ug/l #	16
41) Methacrylonitrile	5.067	41	1660	0.630	ug/l #	40
64) Tetrachloroethene	8.555	164	319	Below Cal		89
74) N-amyl acetate	10.250	43	139	2.492	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	88031	17.148	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	88031	62.264	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	139	1.201	ug/l	83
89) n-Butylbenzene	12.221	91	41	2.190	ug/l #	34
95) Naphthalene	14.105	128	1132	2.618	ug/l #	83

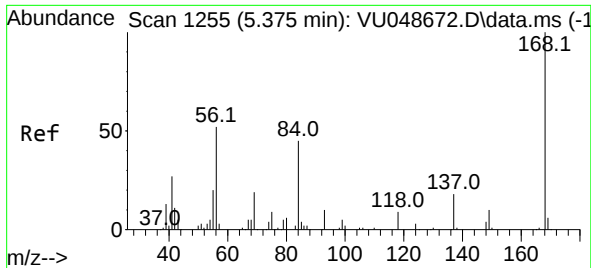
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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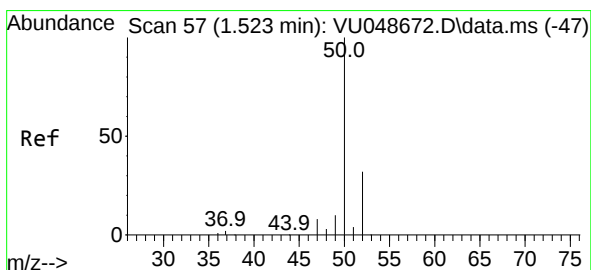
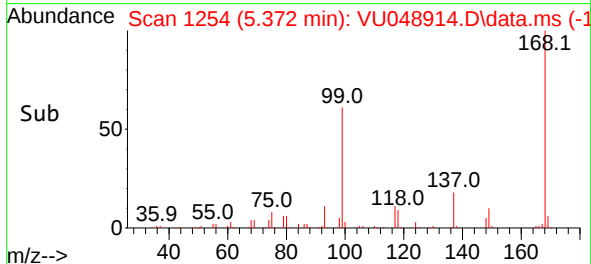
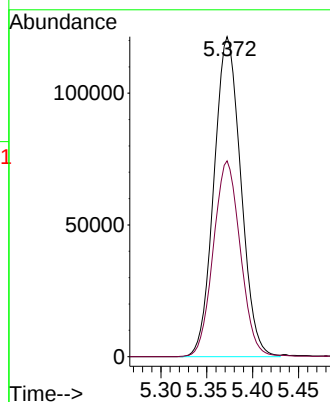
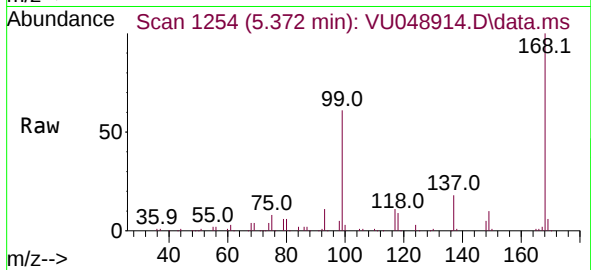




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

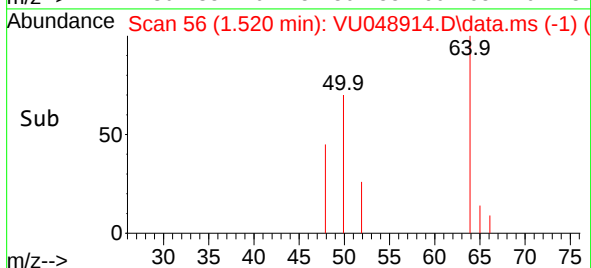
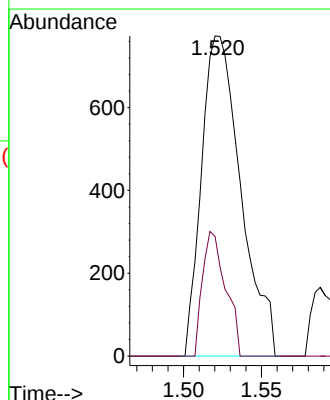
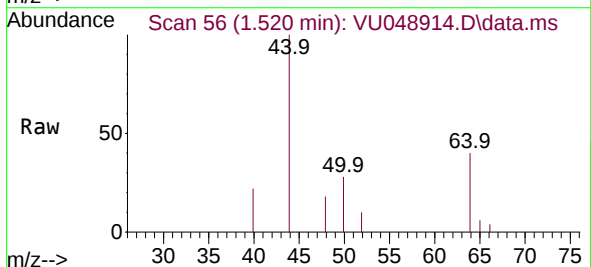
Instrument :
MSVOA_U
ClientSampleId :
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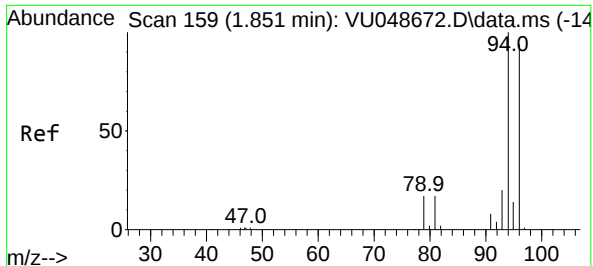
Tgt Ion:168 Resp: 247542
Ion Ratio Lower Upper
168 100
99 61.1 49.3 73.9



#3
Chloromethane
Concen: 0.372 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

Tgt Ion: 50 Resp: 1357
Ion Ratio Lower Upper
50 100
52 37.4 25.7 38.5

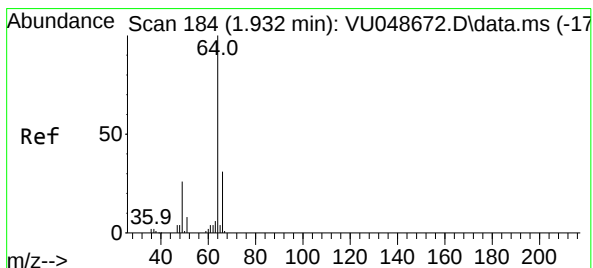
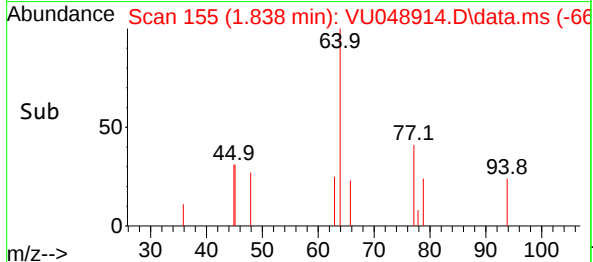
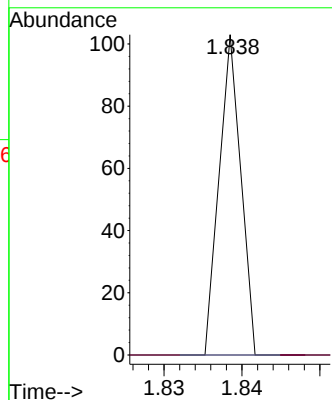
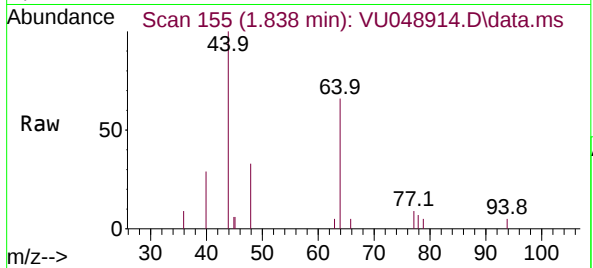




#5
Bromomethane
Concen: Below Cal
RT: 1.838 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

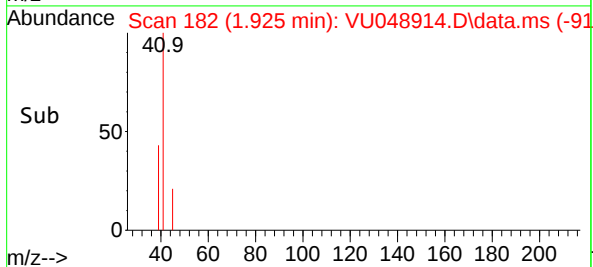
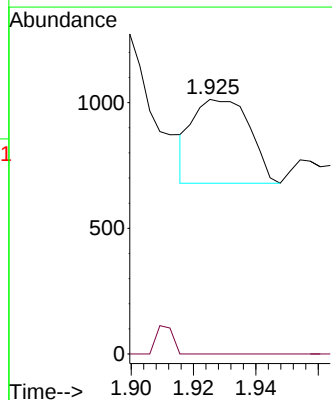
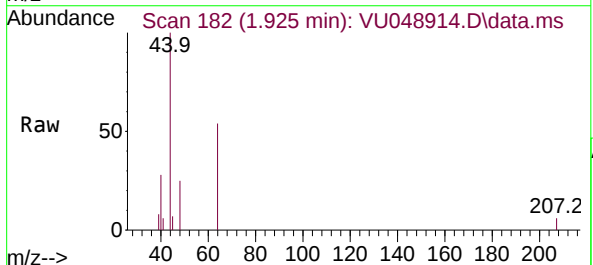
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

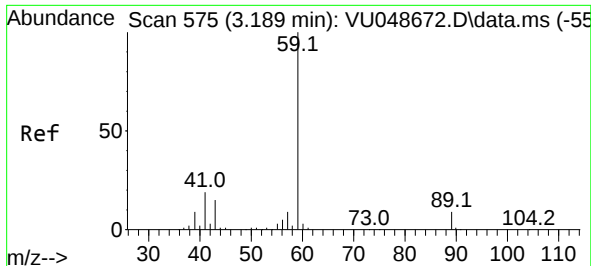
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. -0.007 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

Tgt Ion: 64 Resp: 424
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#





#11

Tert butyl alcohol

Concen: 1.048 ug/l

RT: 3.189 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

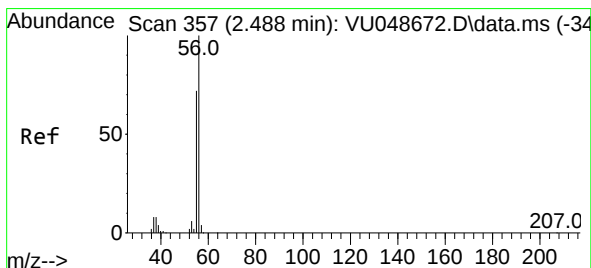
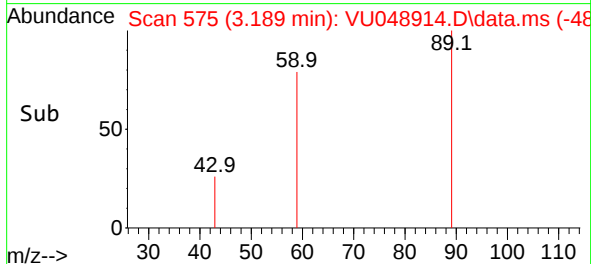
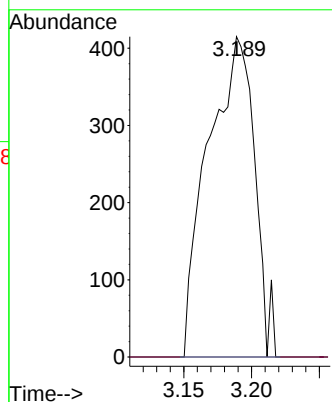
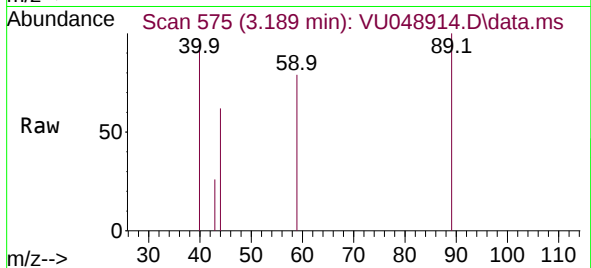
11-MW-1-20220601

Tgt Ion: 59 Resp: 988

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#



#13

Acrolein

Concen: Below Cal

RT: 2.478 min Scan# 354

Delta R.T. -0.010 min

Lab File: VU048914.D

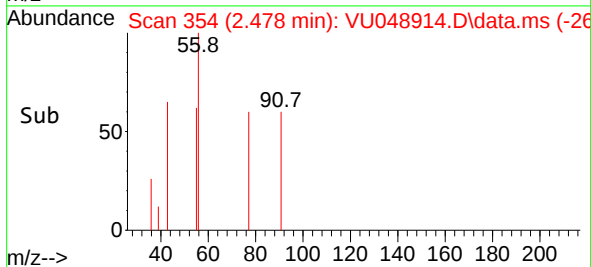
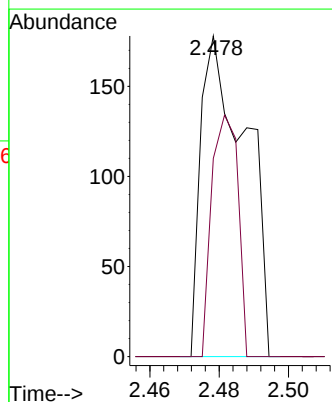
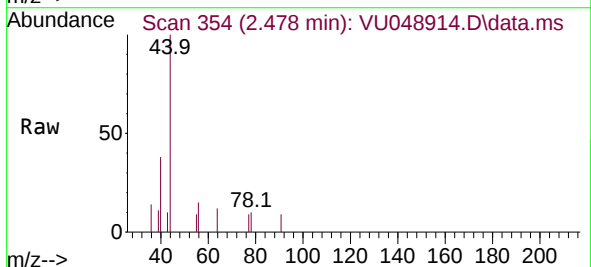
Acq: 07 Jun 2022 17:00

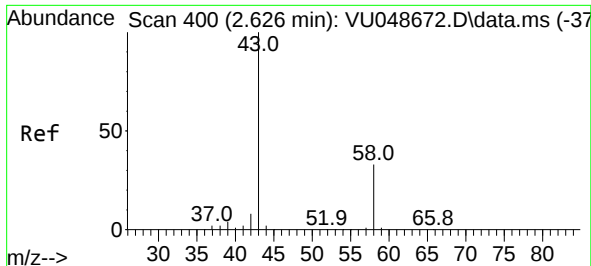
Tgt Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 43.8 57.7 86.5#

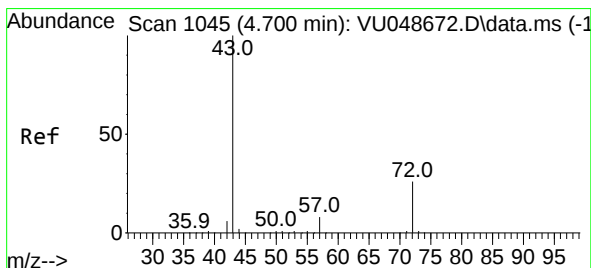
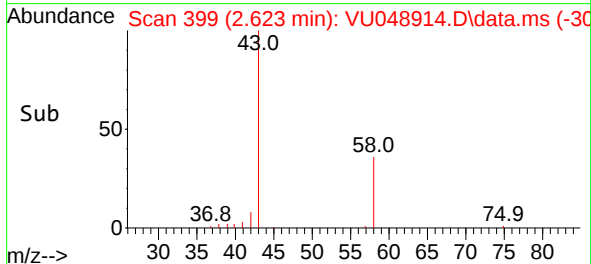
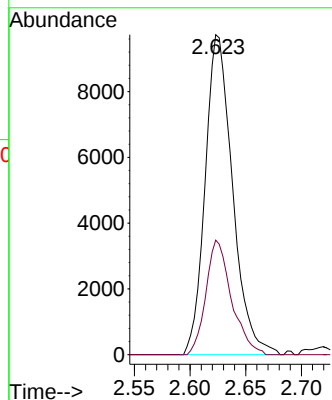
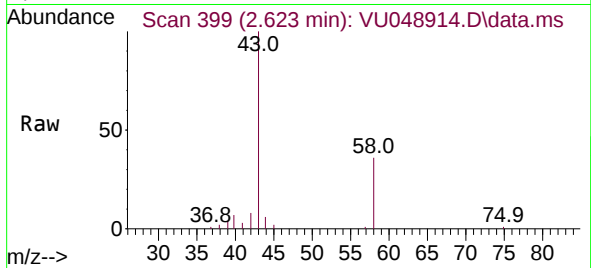




#16
Acetone
Concen: 8.777 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

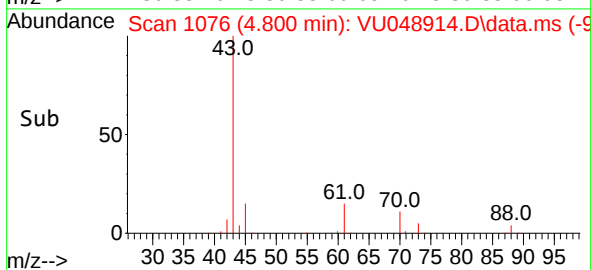
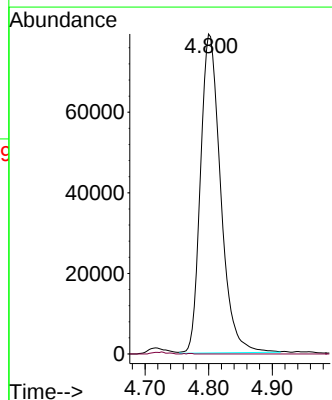
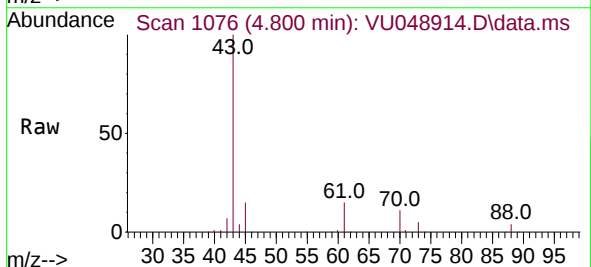
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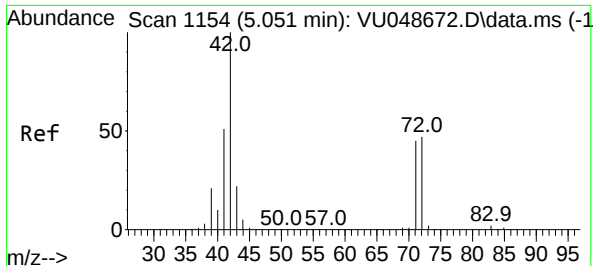
Tgt Ion: 43 Resp: 16629
Ion Ratio Lower Upper
43 100
58 35.8 26.3 39.5



#25
2-Butanone
Concen: 64.025 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

Tgt Ion: 43 Resp: 174261
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 1.876 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

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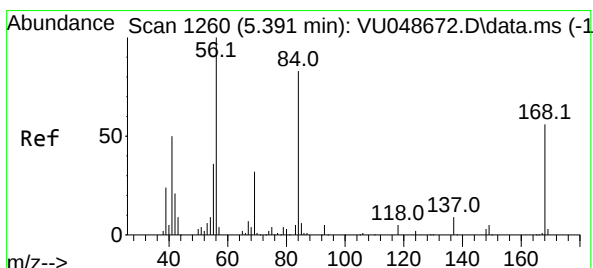
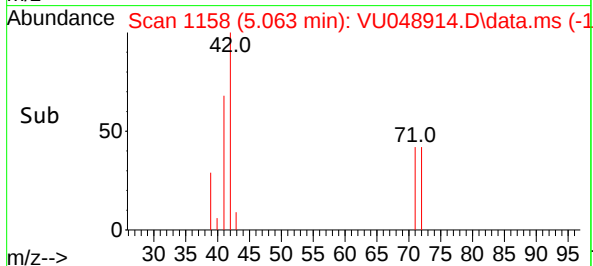
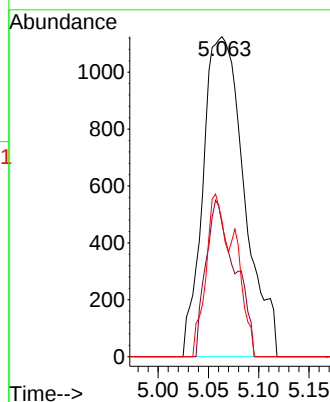
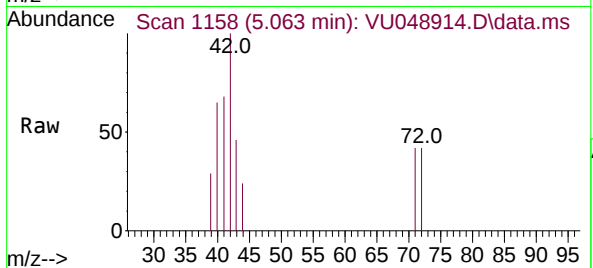
Tgt Ion: 42 Resp: 3217

Ion Ratio Lower Upper

42 100

72 34.3 37.6 56.4#

71 24.2 35.0 52.4#



#31

Cyclohexane

Concen: 1.102 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.022 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

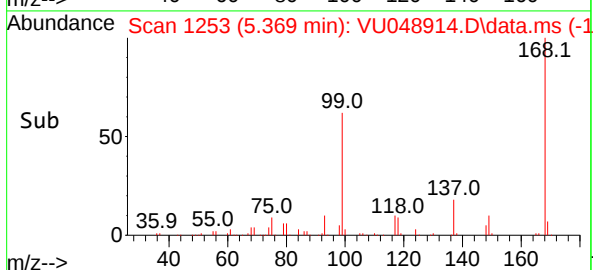
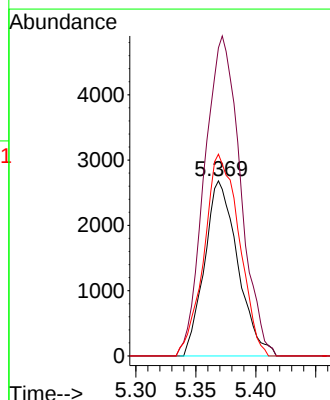
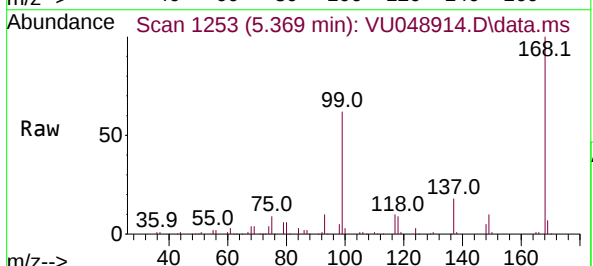
Tgt Ion: 56 Resp: 5165

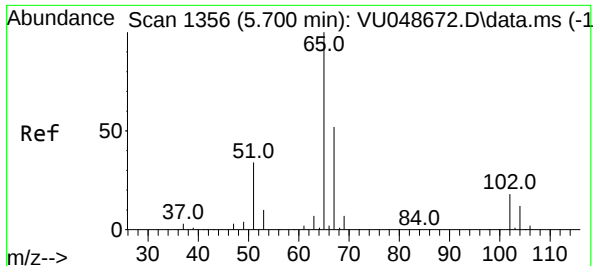
Ion Ratio Lower Upper

56 100

69 176.1 25.6 38.4#

84 115.2 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.264 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

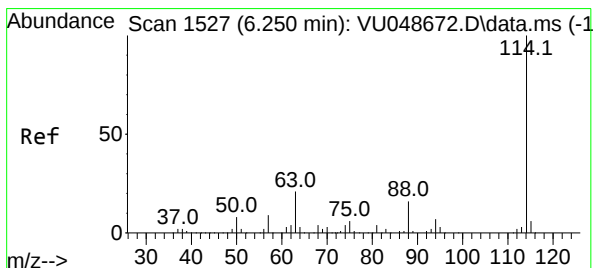
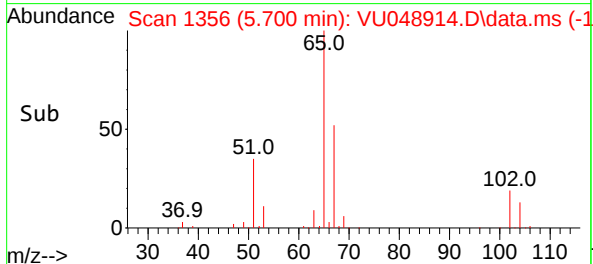
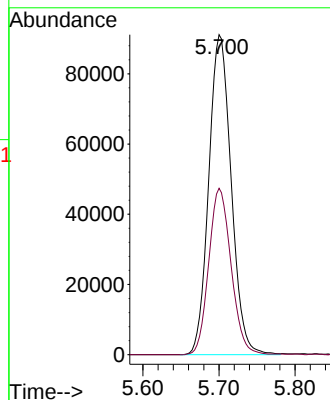
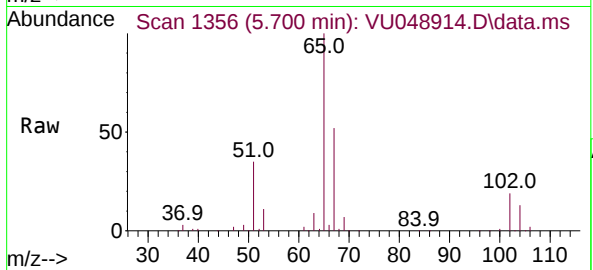
11-MW-1-20220601

Tgt Ion: 65 Resp: 186863

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

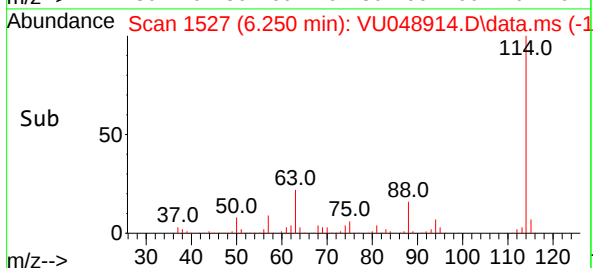
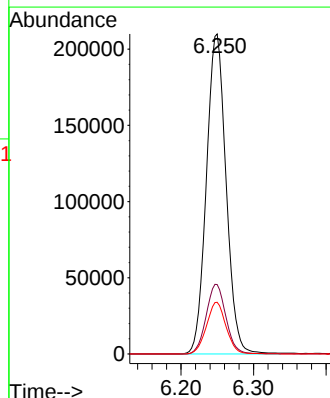
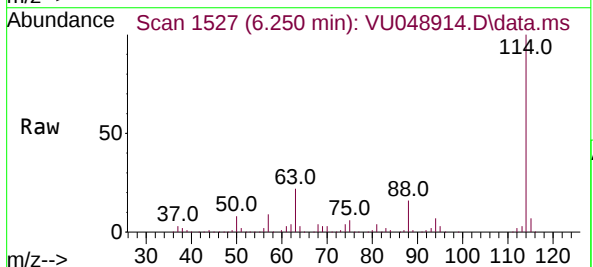
Tgt Ion: 114 Resp: 396135

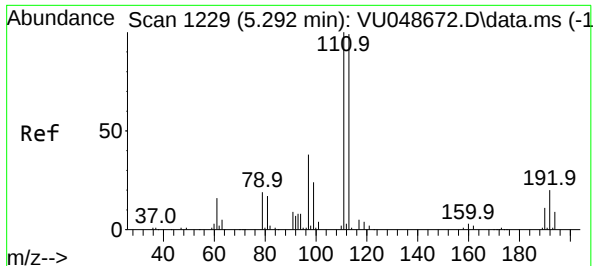
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.826 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048914.D

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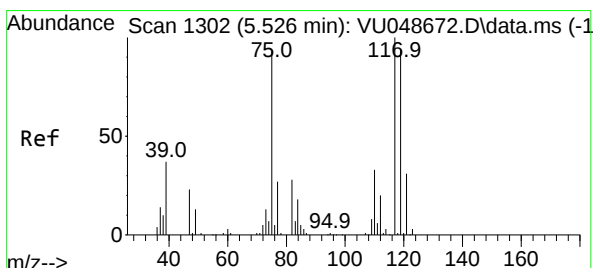
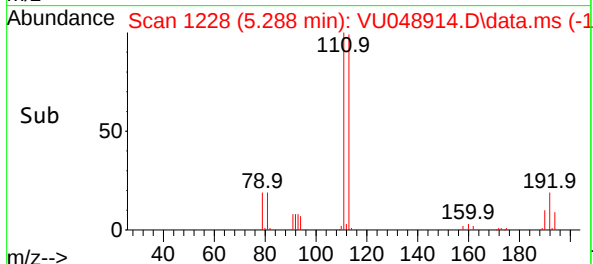
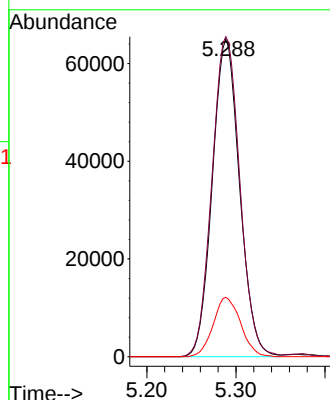
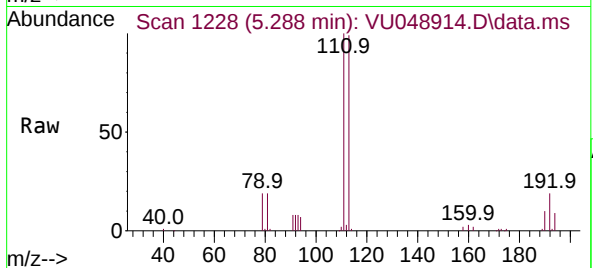
Tgt Ion:113 Resp: 137987

Ion Ratio Lower Upper

113 100

111 103.3 80.7 121.1

192 18.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.084 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

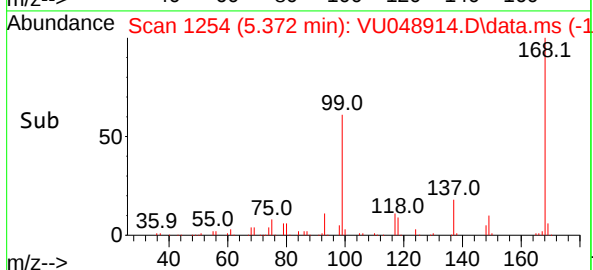
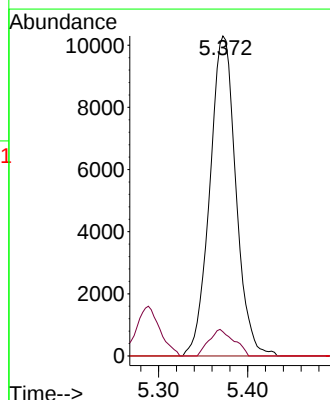
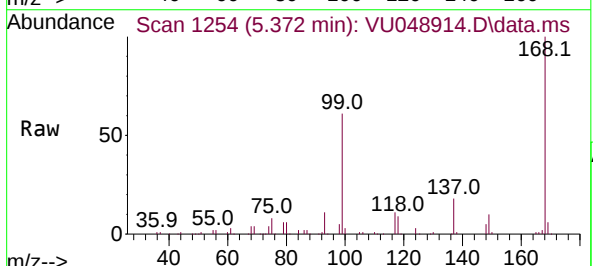
Tgt Ion: 75 Resp: 20969

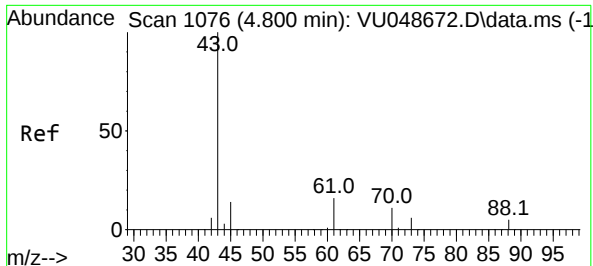
Ion Ratio Lower Upper

75 100

110 7.9 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 33.420 ug/l

RT: 4.800 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

11-MW-1-20220601

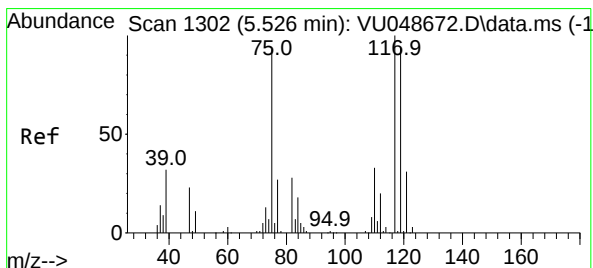
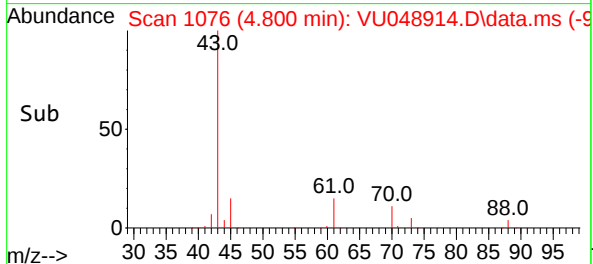
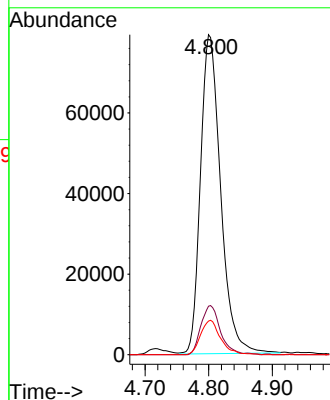
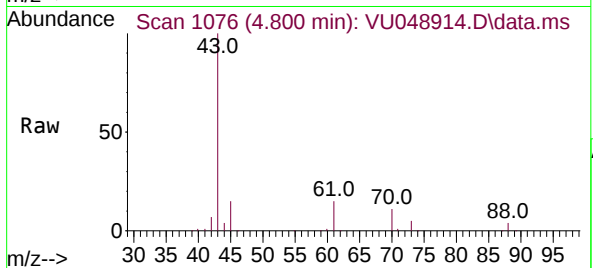
Tgt Ion: 43 Resp: 174261

Ion Ratio Lower Upper

43 100

61 14.8 11.7 17.5

70 10.7 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.315 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

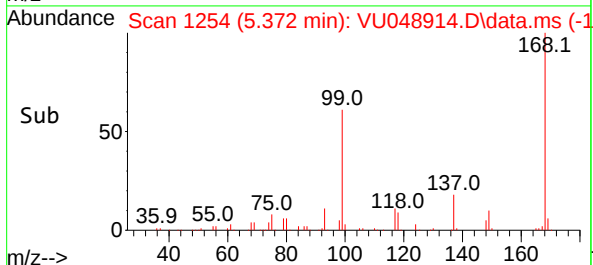
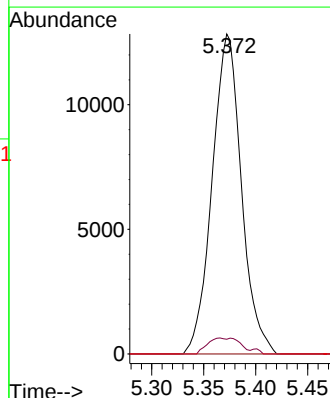
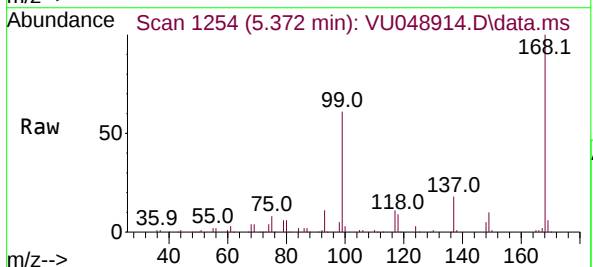
Tgt Ion: 117 Resp: 25151

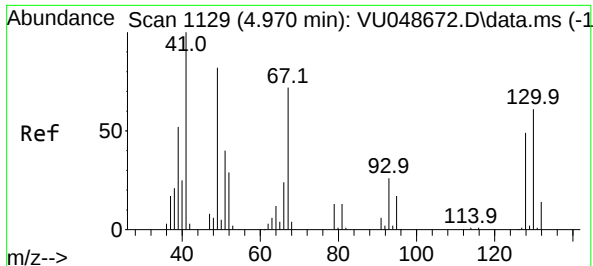
Ion Ratio Lower Upper

117 100

119 4.6 75.4 113.2#

121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 0.630 ug/l

RT: 5.067 min Scan# 1129

Delta R.T. 0.096 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

11-MW-1-20220601

Tgt Ion: 41 Resp: 1660

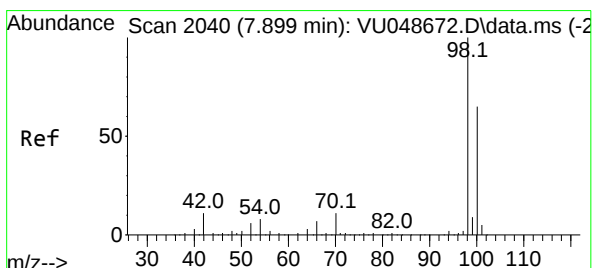
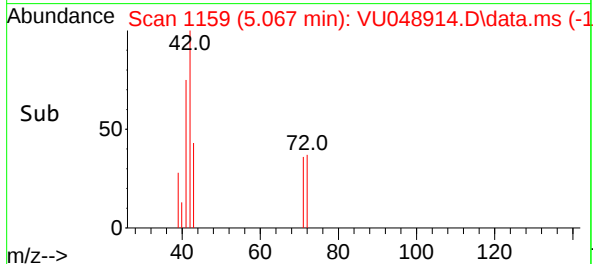
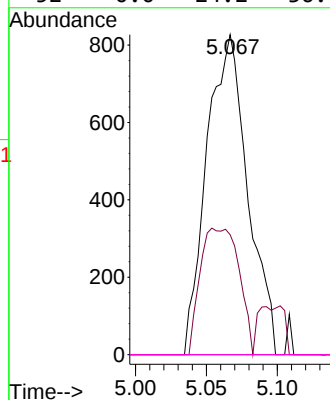
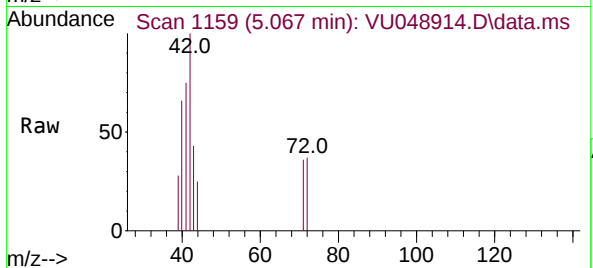
Ion Ratio Lower Upper

41 100

39 37.3 42.6 64.0#

67 0.0 61.0 91.4#

52 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 48.215 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU048914.D

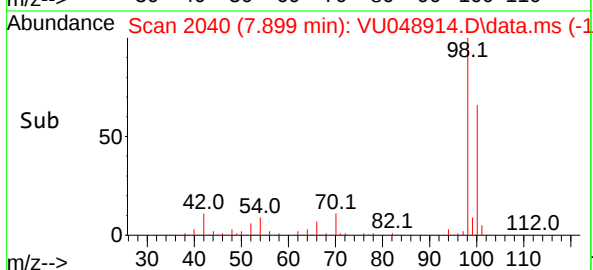
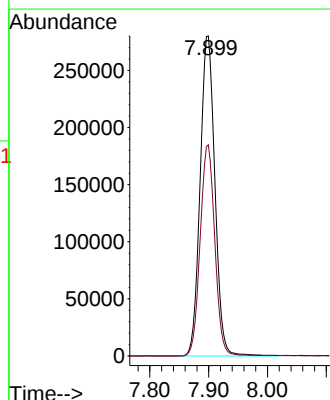
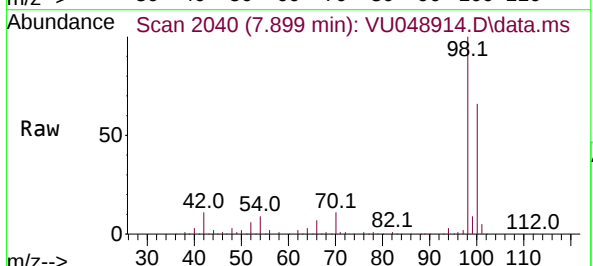
Acq: 07 Jun 2022 17:00

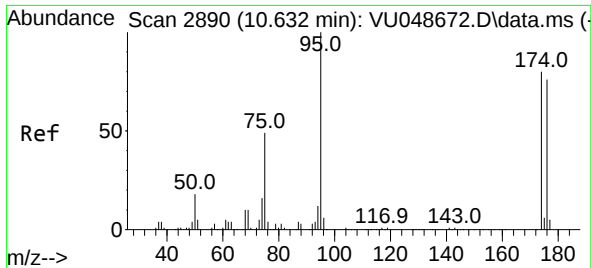
Tgt Ion: 98 Resp: 488450

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4

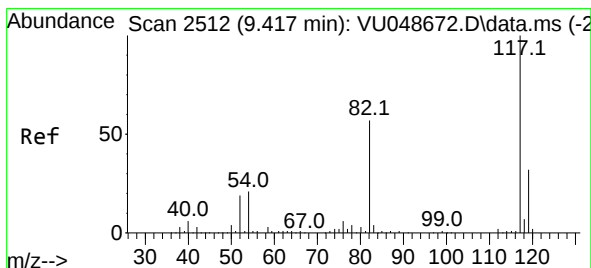
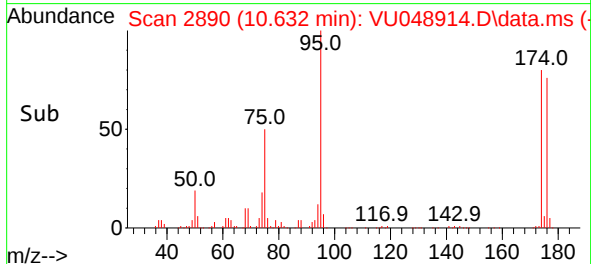
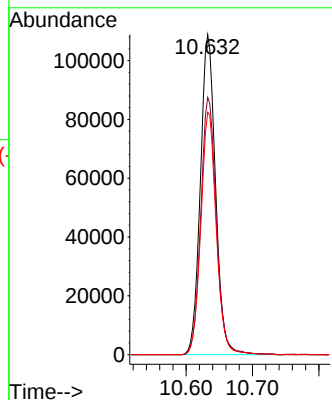
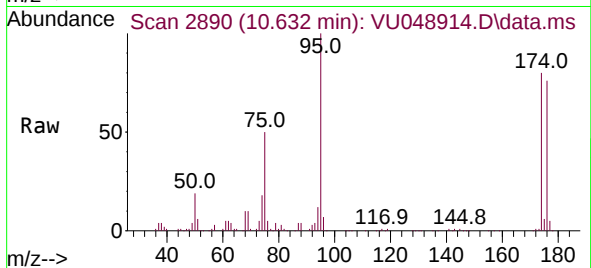




#62
4-Bromofluorobenzene
Concen: 45.316 ug/l
RT: 10.632 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

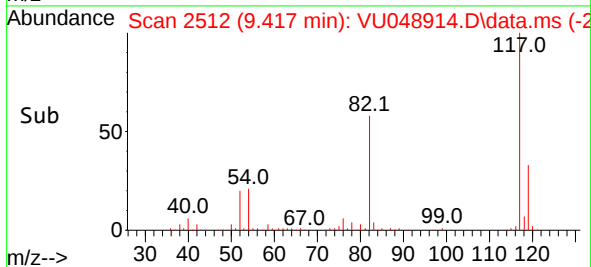
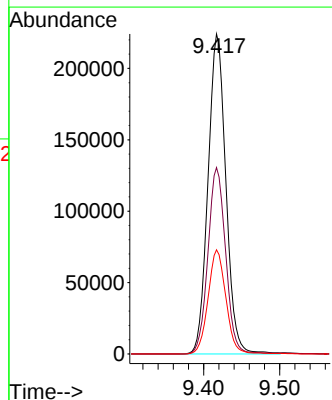
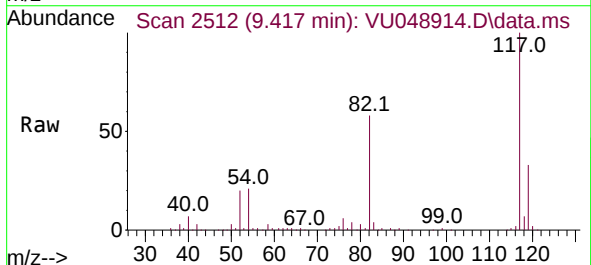
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

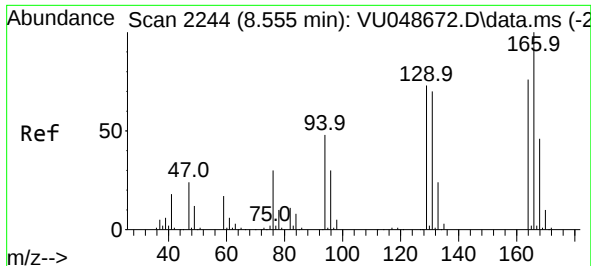
Tgt Ion: 95 Resp: 173619
Ion Ratio Lower Upper
95 100
174 82.0 0.0 159.4
176 77.0 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

Tgt Ion: 117 Resp: 366125
Ion Ratio Lower Upper
117 100
82 58.2 45.3 67.9
119 32.5 25.4 38.2

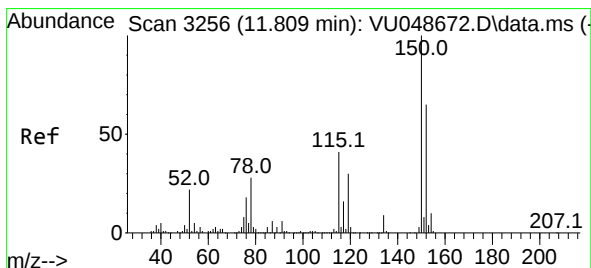
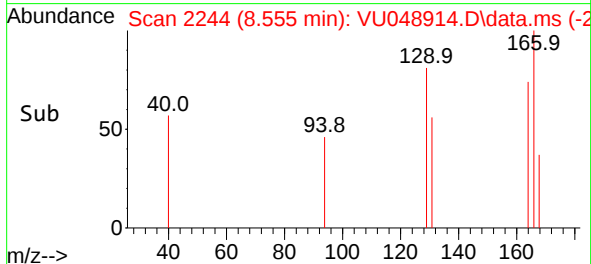
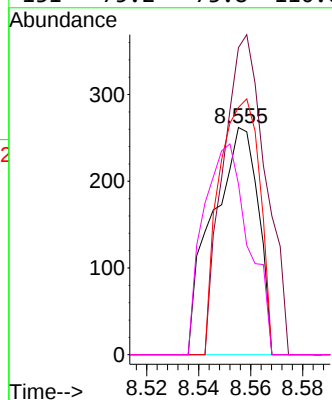
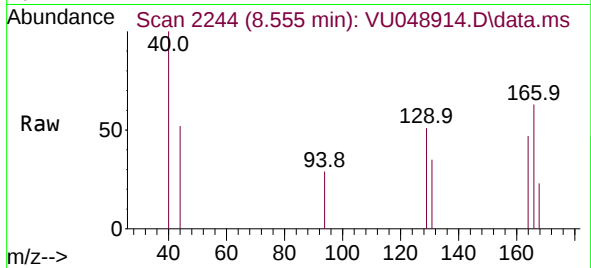




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

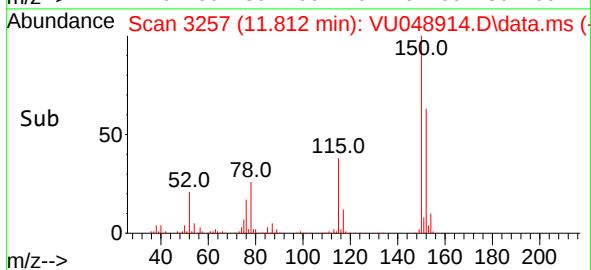
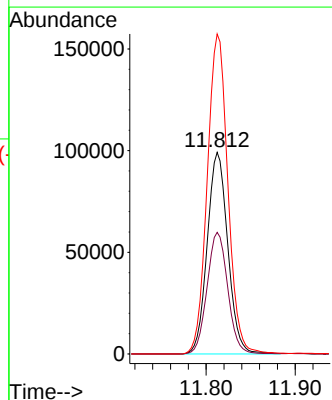
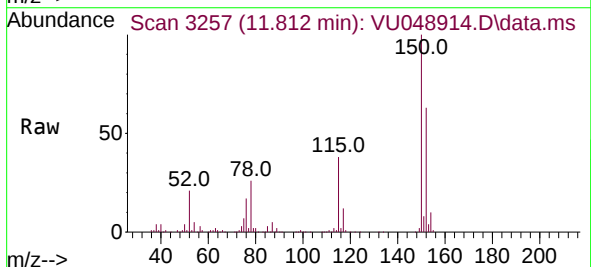
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

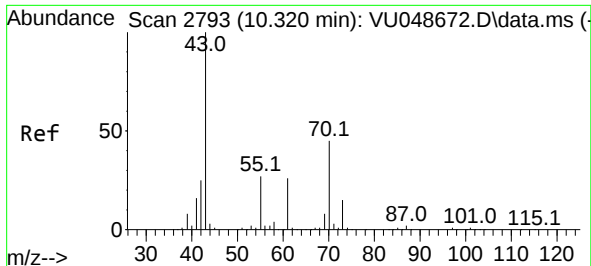
Tgt Ion:164 Resp: 319
Ion Ratio Lower Upper
164 100
166 135.1 105.0 157.4
129 108.8 76.5 114.7
131 75.2 73.8 110.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

Tgt Ion:152 Resp: 159215
Ion Ratio Lower Upper
152 100
115 60.5 41.8 125.4
150 158.8 0.0 341.0

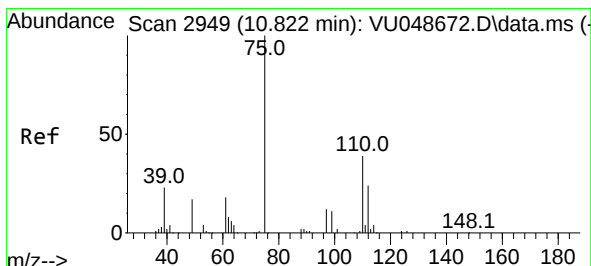
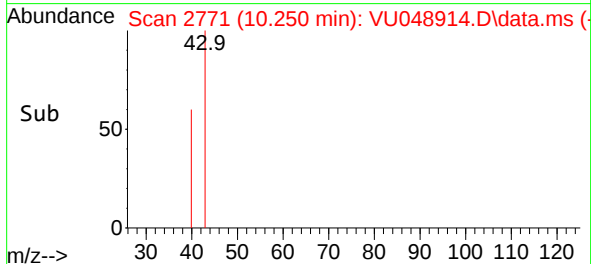
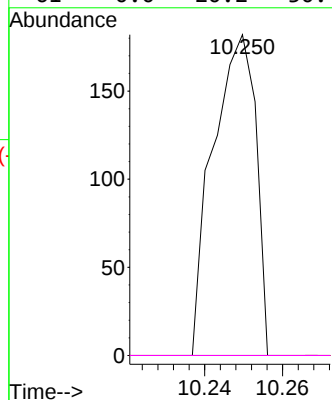
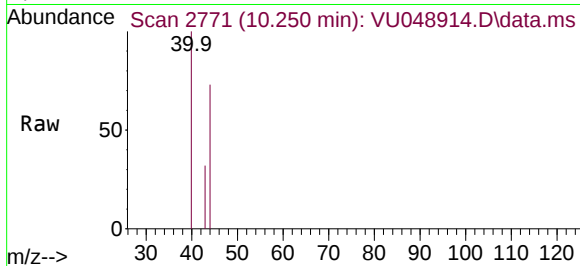




#74
N-amy1 acetate
Concen: 2.492 ug/l
RT: 10.250 min Scan# 21
Delta R.T. -0.070 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

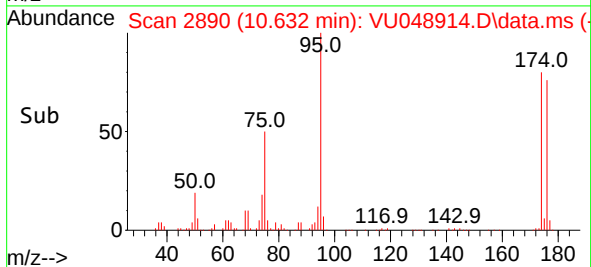
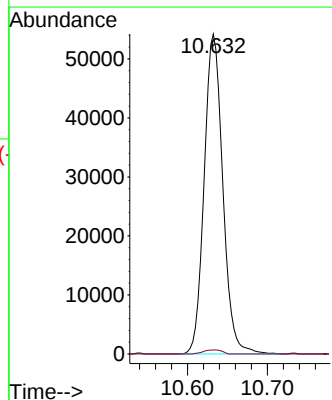
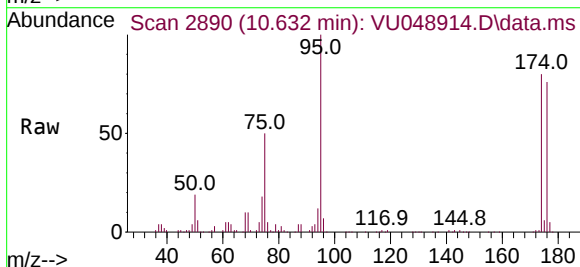
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

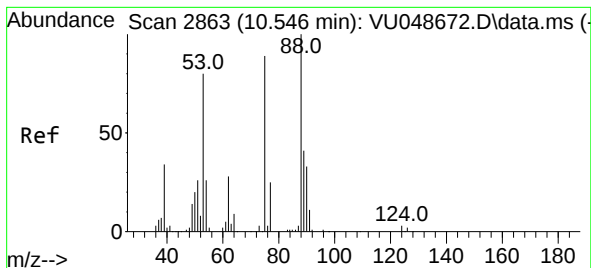
Tgt	Ion: 43	Resp:	139
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.8	53.6#
55	0.0	21.1	31.7#
61	0.0	20.2	30.4#



#76
1,2,3-Trichloropropane
Concen: 17.148 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048914.D
Acq: 07 Jun 2022 17:00

Tgt Ion: 75	Resp:	88031	
Ion Ratio	Lower	Upper	
75 100			
77 1.3	14.8	44.3#	





#81

trans-1,4-Dichloro-2-butene

Concen: 62.264 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.087 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

11-MW-1-20220601

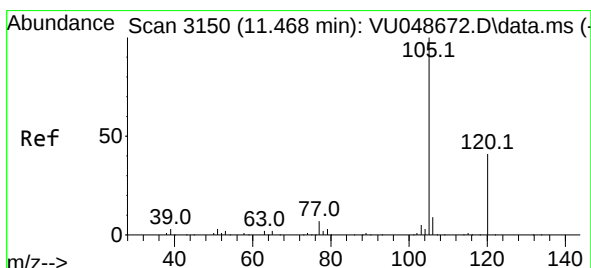
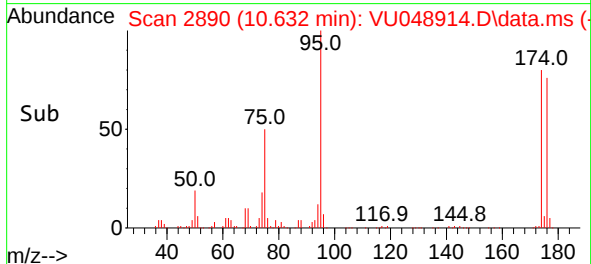
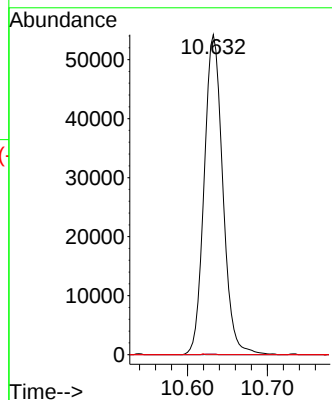
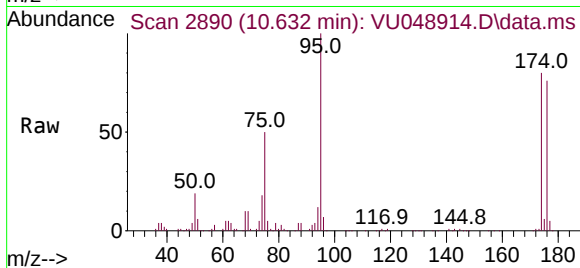
Tgt Ion: 75 Resp: 88031

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: 1.201 ug/l

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU048914.D

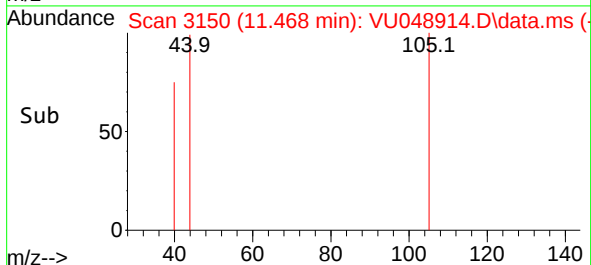
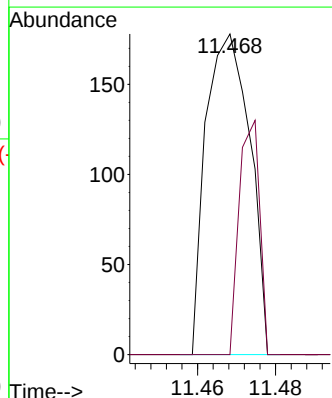
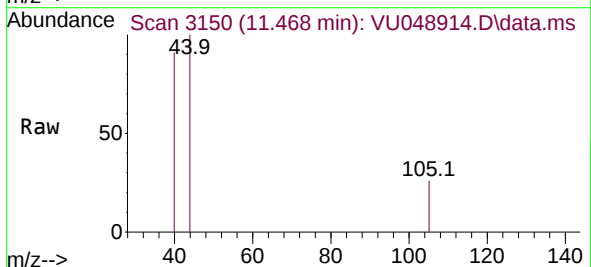
Acq: 07 Jun 2022 17:00

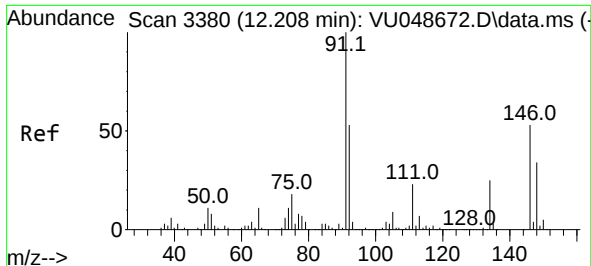
Tgt Ion: 105 Resp: 139

Ion Ratio Lower Upper

105 100

120 33.8 22.5 67.5





#89

n-Butylbenzene

Concen: 2.190 ug/l

RT: 12.221 min Scan# 31

Delta R.T. 0.013 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

11-MW-1-20220601

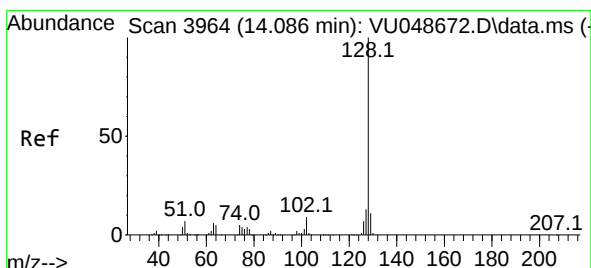
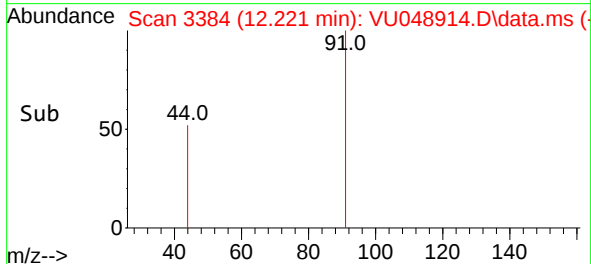
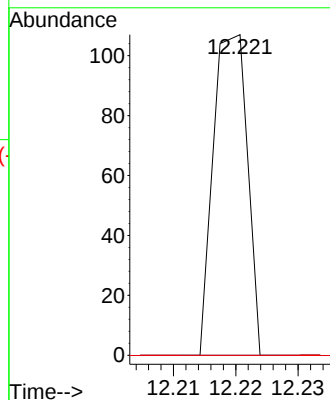
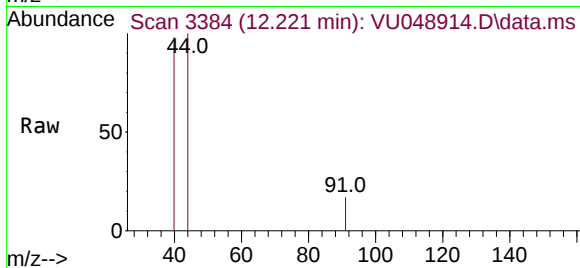
Tgt Ion: 91 Resp: 41

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.8#

134 0.0 12.5 37.5#



#95

Naphthalene

Concen: 2.618 ug/l

RT: 14.105 min Scan# 3970

Delta R.T. 0.019 min

Lab File: VU048914.D

Acq: 07 Jun 2022 17:00

Tgt Ion:128 Resp: 1132

Ion Ratio Lower Upper

128 100

127 10.0 10.2 15.4#

129 0.0 8.7 13.1#

