

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
 Data File : VU048890.D
 Acq On : 06 Jun 2022 18:16
 Operator : SY/MD
 Sample : N3165-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 03BR-20220601

Quant Time: Jun 07 05:19:47 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)

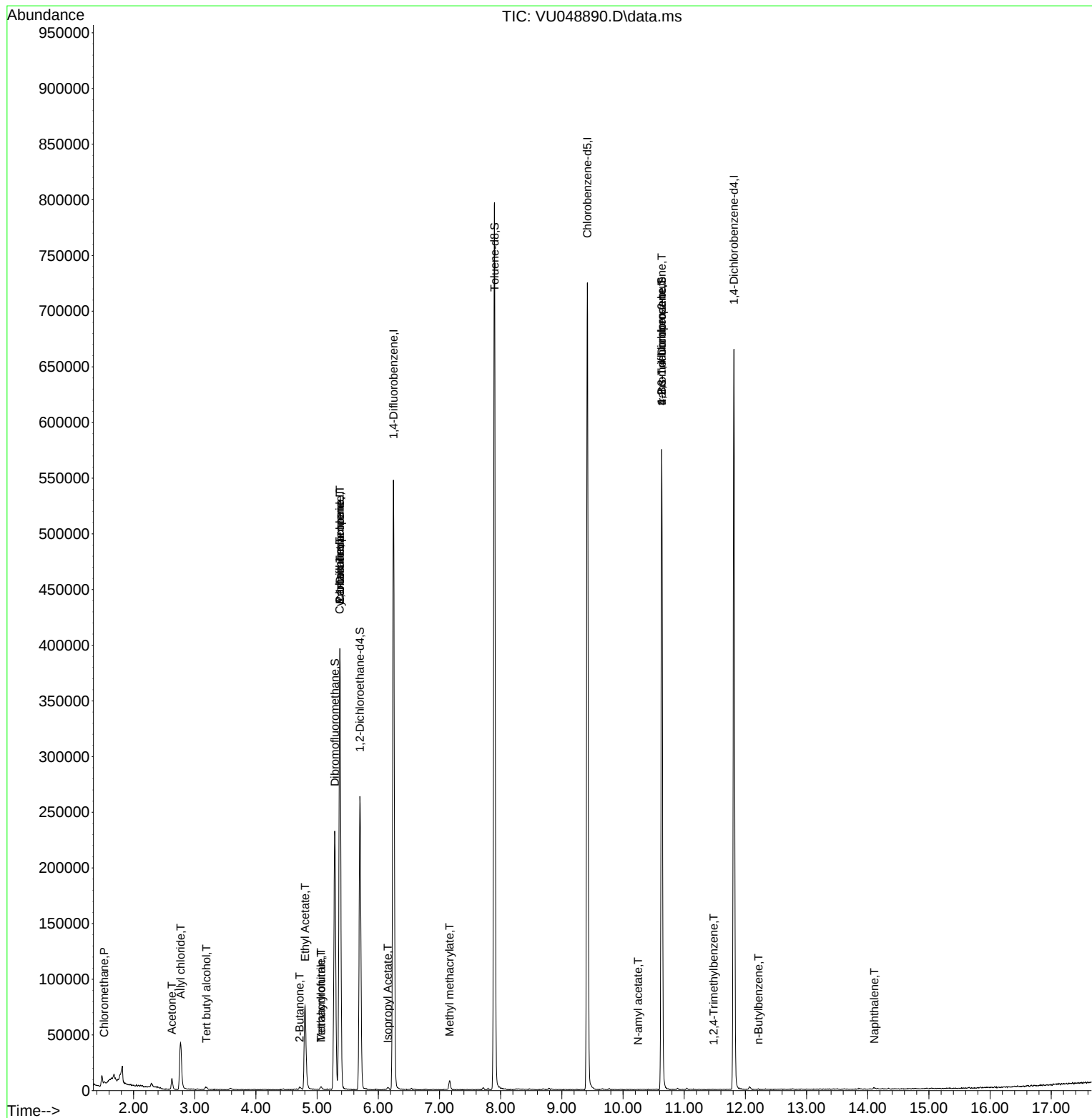
Internal Standards						
1) Pentafluorobenzene	5.372	168	262980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	433196	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	397222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	178904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	197737	50.067	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.140%	
35) Dibromofluoromethane	5.288	113	152115	49.220	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.440%	
50) Toluene-d8	7.899	98	528596	47.714	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.420%	
62) 4-Bromofluorobenzene	10.632	95	192621	45.974	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.940%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	1402	0.362	ug/l	96
5) Bromomethane	1.842	94	273	Below Cal	#	3
6) Chloroethane	1.893	64	352	Below Cal		95
11) Tert butyl alcohol	3.192	59	1961	1.958	ug/l #	28
13) Acrolein	2.478	56	117	Below Cal	#	14
14) Allyl chloride	2.768	41	6118	1.180	ug/l #	65
16) Acetone	2.626	43	10794	5.363	ug/l	99
25) 2-Butanone	4.713	43	4363	1.509	ug/l #	84
29) Tetrahydrofuran	5.067	42	2109	1.158	ug/l #	77
31) Cyclohexane	5.369	56	5843	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21654	4.801	ug/l #	49
37) Ethyl Acetate	4.803	43	101154	17.740	ug/l	99
38) Carbon Tetrachloride	5.372	117	27592	5.332	ug/l #	17
41) Methacrylonitrile	5.063	41	732	0.254	ug/l #	29
43) Isopropyl Acetate	6.157	43	2851	0.344	ug/l #	60
48) Methyl methacrylate	7.166	41	2694	0.725	ug/l #	27
74) N-amyl acetate	10.246	43	103	2.484	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	101102	17.527	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	101102	63.639	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.481	105	89	1.195	ug/l #	31
89) n-Butylbenzene	12.214	91	258	2.209	ug/l #	51
95) Naphthalene	14.108	128	1499	2.634	ug/l #	86

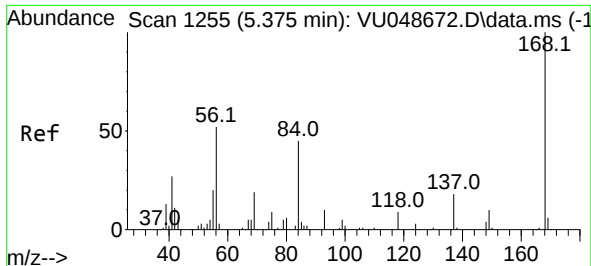
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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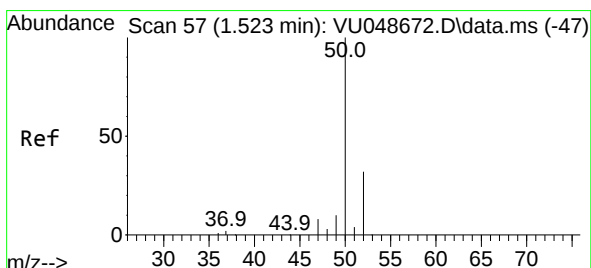
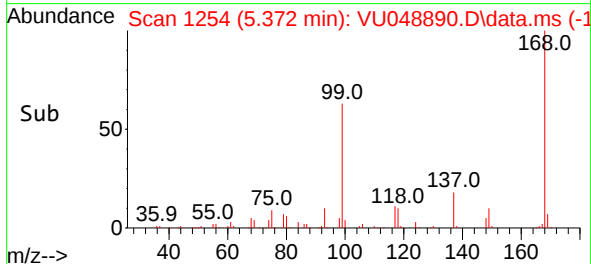
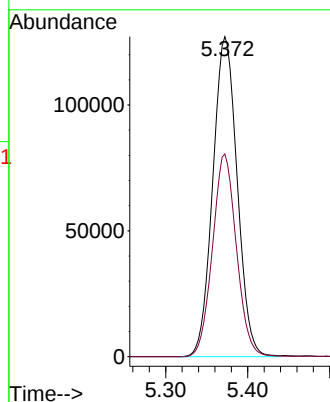
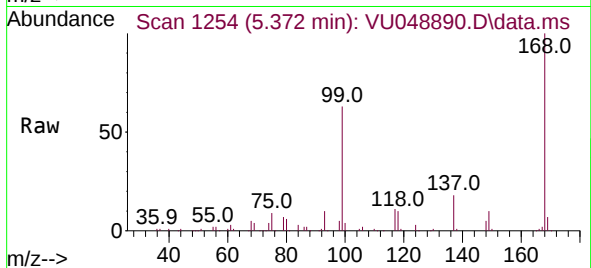




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

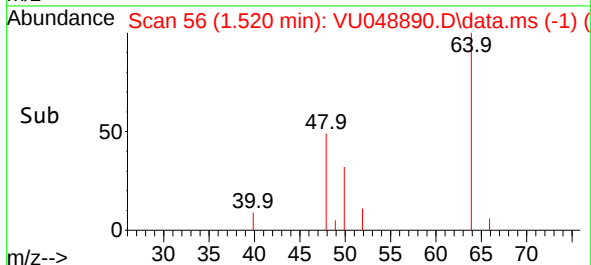
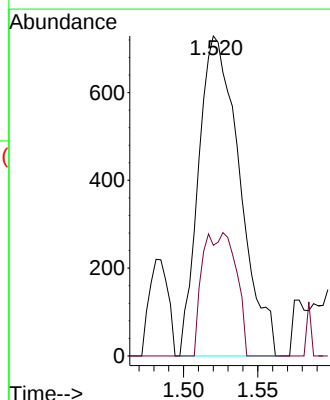
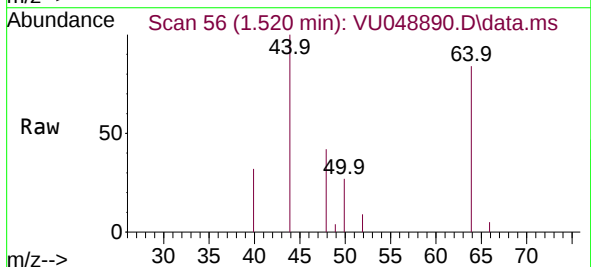
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

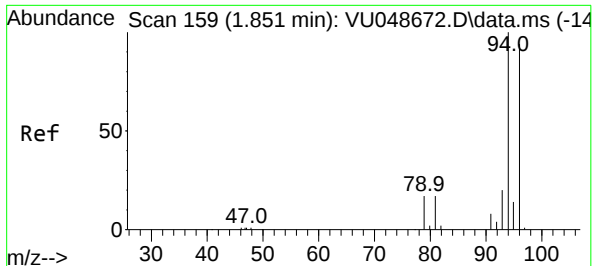
Tgt Ion:168 Resp: 262980
Ion Ratio Lower Upper
168 100
99 63.3 49.3 73.9



#3
Chloromethane
Concen: 0.362 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

Tgt Ion: 50 Resp: 1402
Ion Ratio Lower Upper
50 100
52 34.6 25.7 38.5

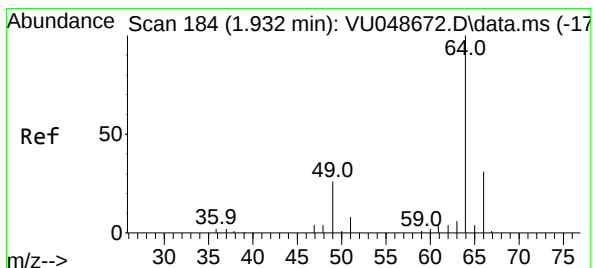
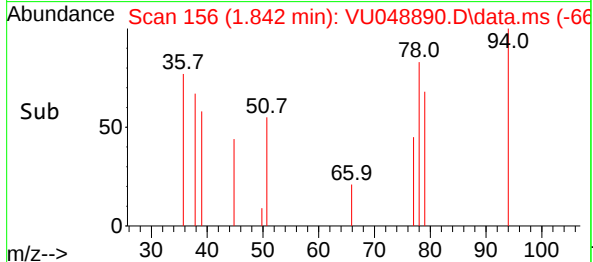
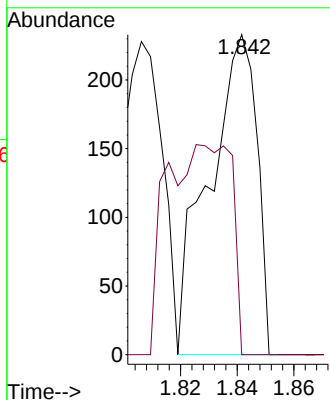
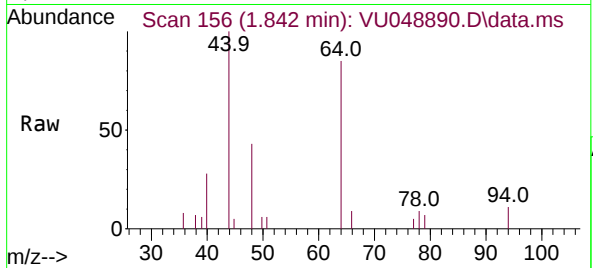




#5
Bromomethane
Concen: Below Cal
RT: 1.842 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

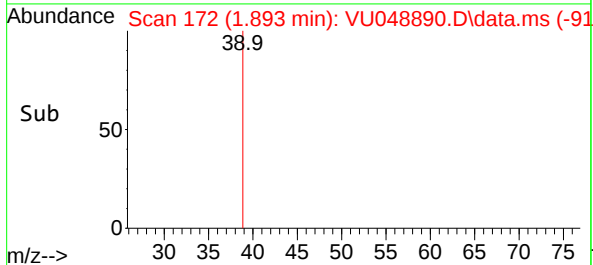
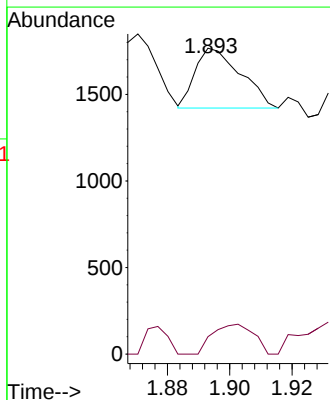
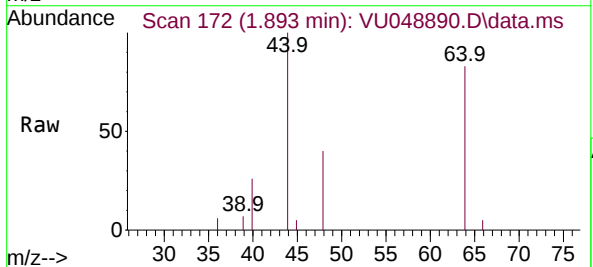
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

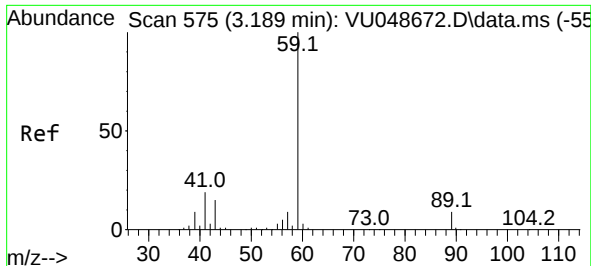
Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.893 min Scan# 172
Delta R.T. -0.039 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

Tgt Ion: 64 Resp: 352
Ion Ratio Lower Upper
64 100
66 28.9 25.2 37.8





#11

Tert butyl alcohol

Concen: 1.958 ug/l

RT: 3.192 min Scan# 51

Delta R.T. 0.003 min

Lab File: VU048890.D

Acq: 06 Jun 2022 18:16

Instrument :

MSVOA_U

ClientSampleId :

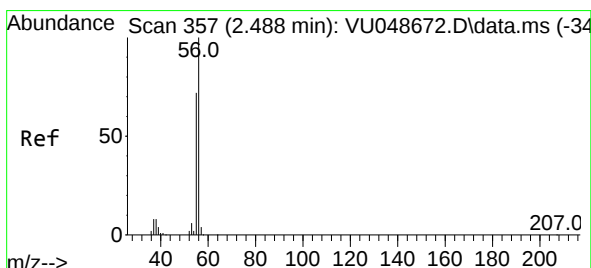
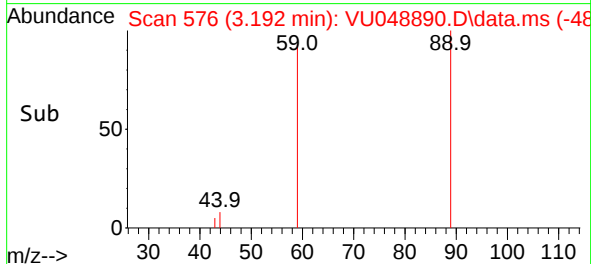
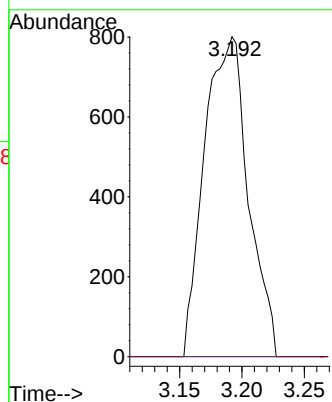
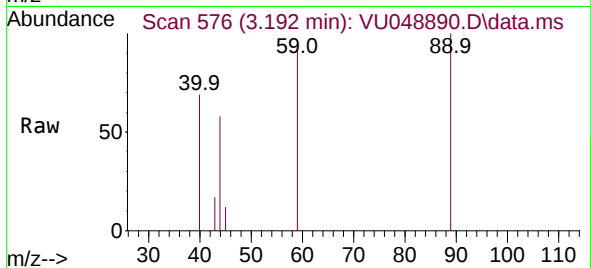
03BR-20220601

Tgt Ion: 59 Resp: 1961

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: VU048890.D

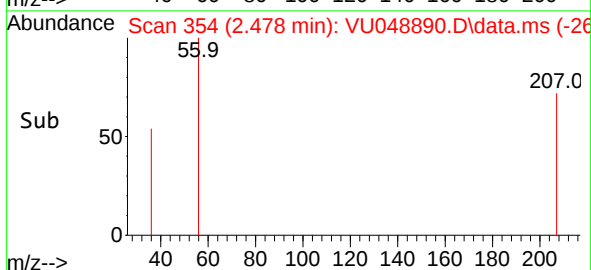
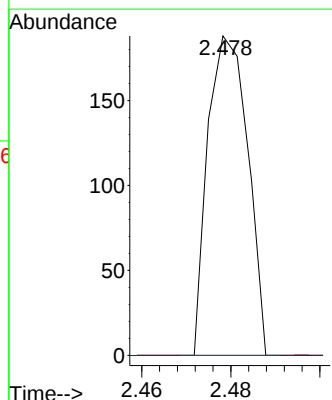
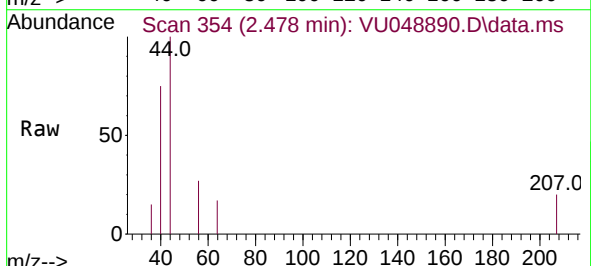
Acq: 06 Jun 2022 18:16

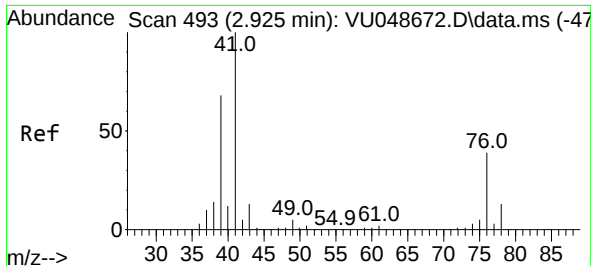
Tgt Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#

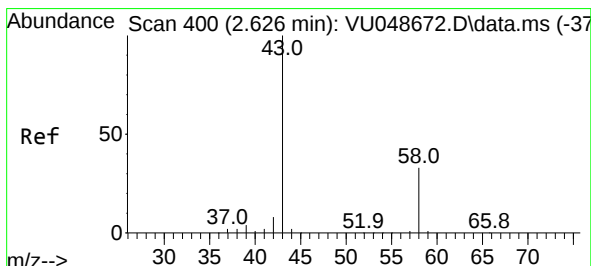
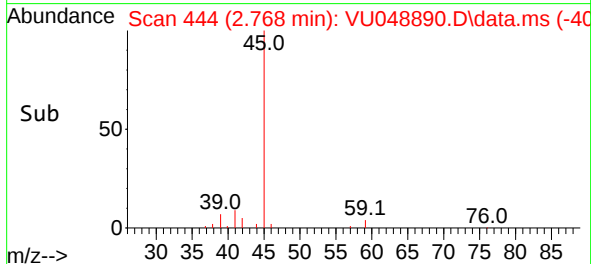
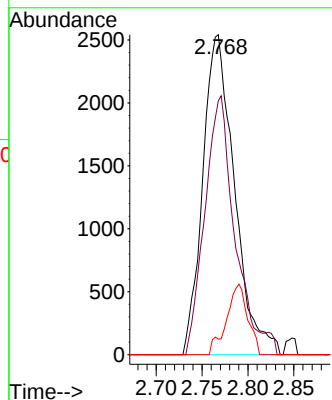
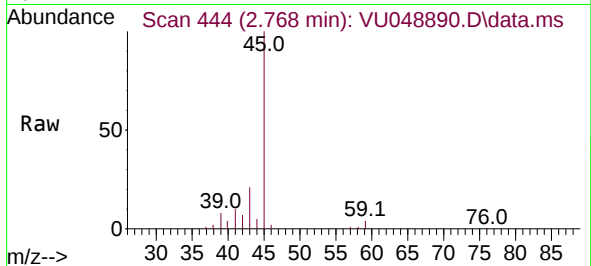




#14
 Allyl chloride
 Concen: 1.180 ug/l
 RT: 2.768 min Scan# 41
 Delta R.T. -0.158 min
 Lab File: VU048890.D
 Acq: 06 Jun 2022 18:16

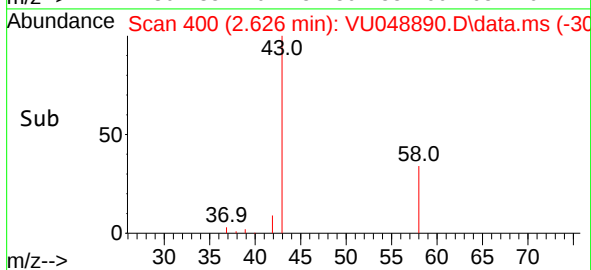
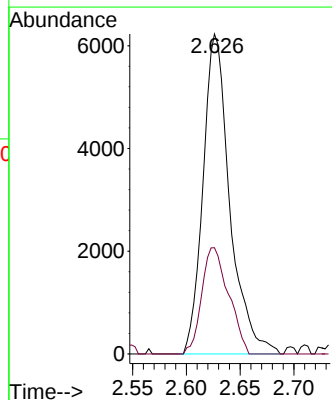
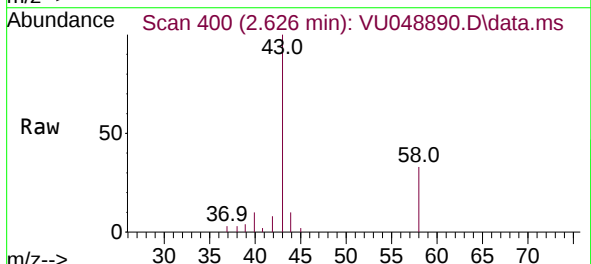
Instrument :
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 ClientSampleId :
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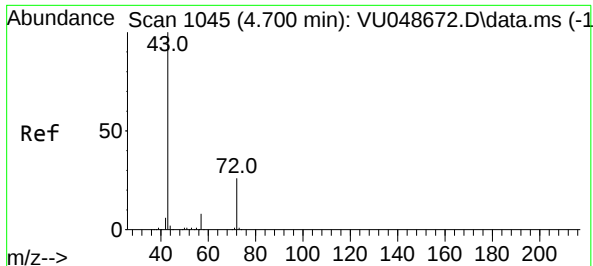
Tgt Ion: 41 Resp: 6118
 Ion Ratio Lower Upper
 41 100
 39 76.9 48.6 72.8#
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 5.363 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU048890.D
 Acq: 06 Jun 2022 18:16

Tgt Ion: 43 Resp: 10794
 Ion Ratio Lower Upper
 43 100
 58 33.2 26.3 39.5





#25

2-Butanone

Concen: 1.509 ug/l

RT: 4.713 min Scan# 1104

Delta R.T. 0.013 min

Lab File: VU048890.D

Acq: 06 Jun 2022 18:16

Instrument :

MSVOA_U

ClientSampleId :

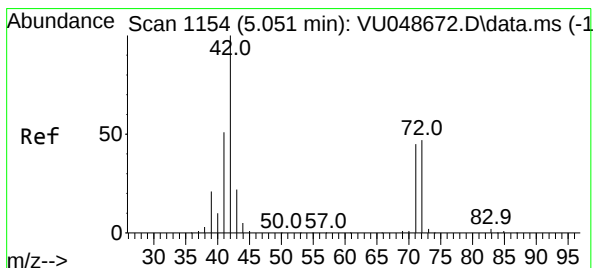
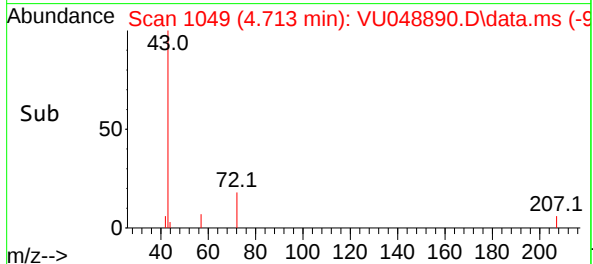
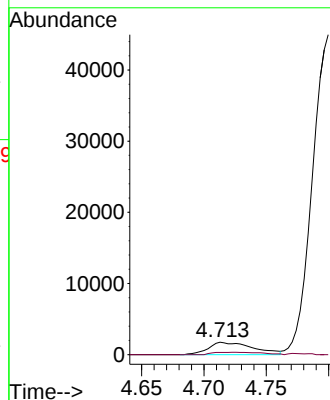
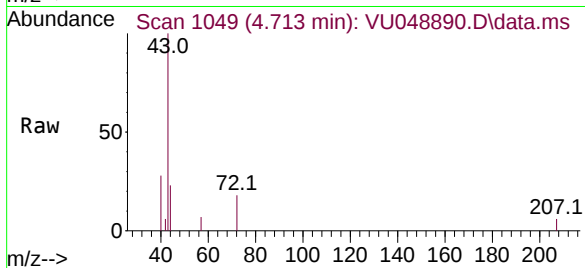
03BR-20220601

Tgt Ion: 43 Resp: 4363

Ion Ratio Lower Upper

43 100

72 18.2 21.1 31.7#



#29

Tetrahydrofuran

Concen: 1.158 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.016 min

Lab File: VU048890.D

Acq: 06 Jun 2022 18:16

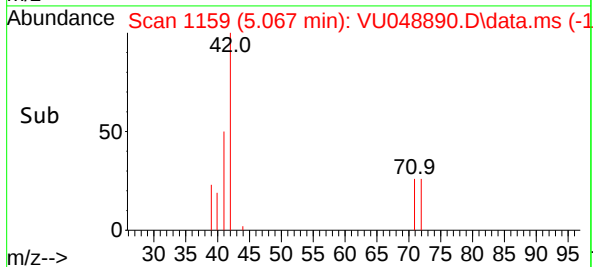
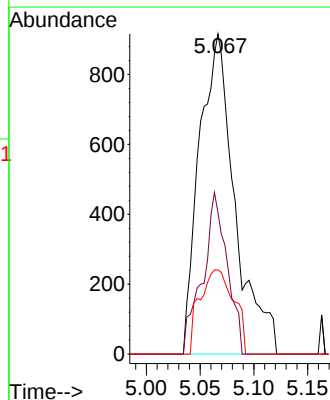
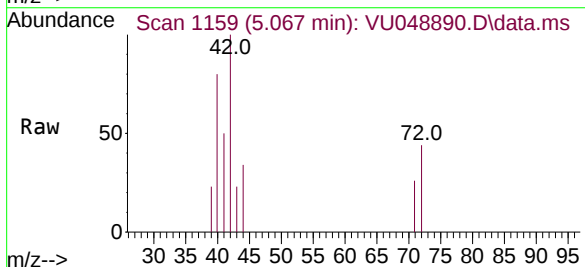
Tgt Ion: 42 Resp: 2109

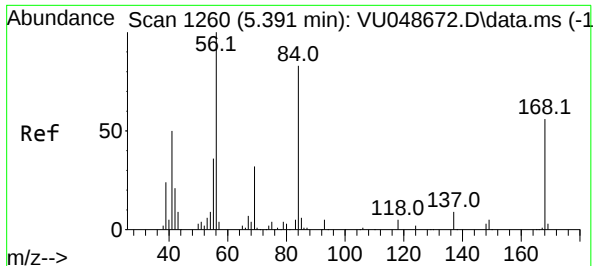
Ion Ratio Lower Upper

42 100

72 34.9 37.6 56.4#

71 25.1 35.0 52.4#

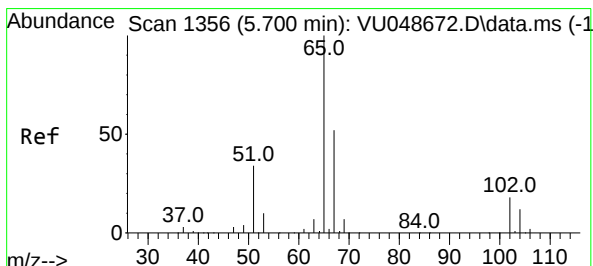
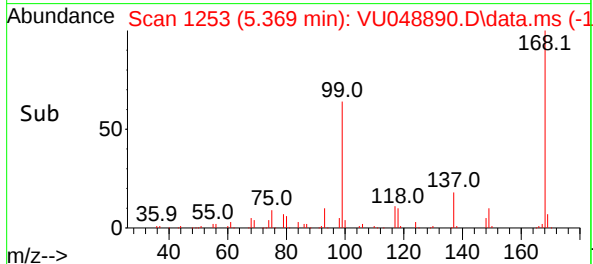
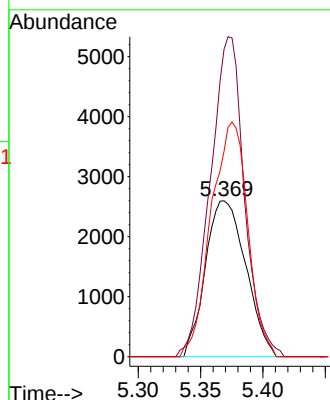
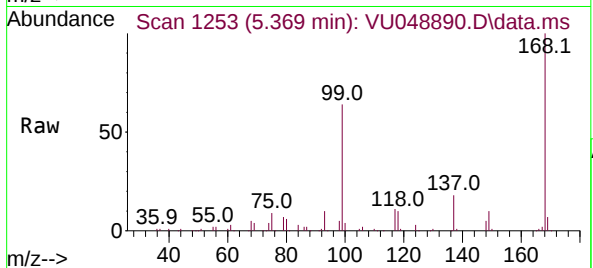




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

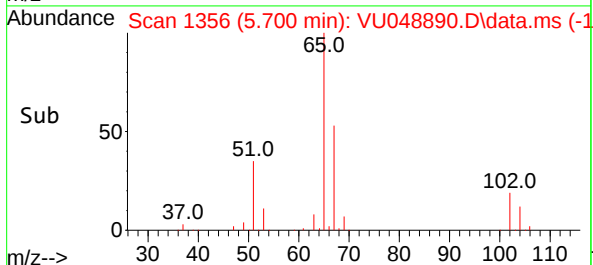
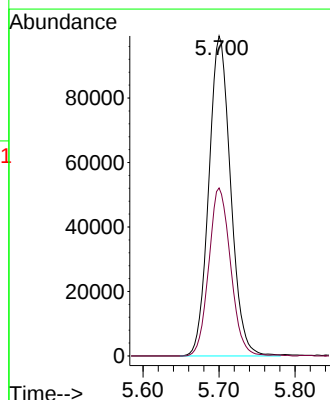
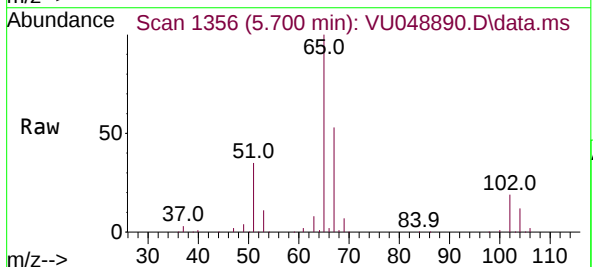
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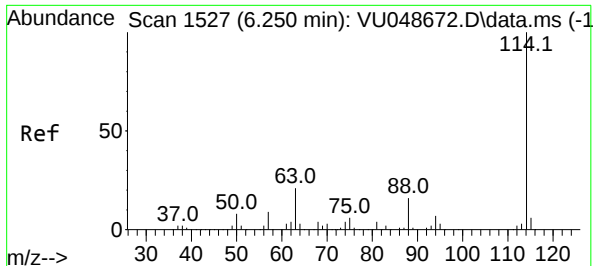
Tgt Ion: 56 Resp: 5843
Ion Ratio Lower Upper
56 100
69 193.4 25.6 38.4#
84 131.8 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 50.067 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

Tgt Ion: 65 Resp: 197737
Ion Ratio Lower Upper
65 100
67 52.4 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: VU048890.D

Acq: 06 Jun 2022 18:16

Instrument :

MSVOA_U

ClientSampleId :

03BR-20220601

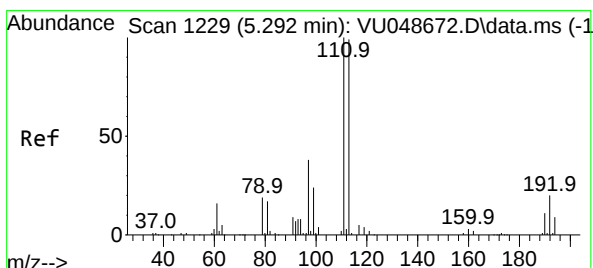
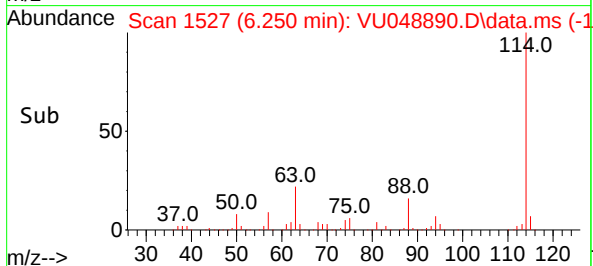
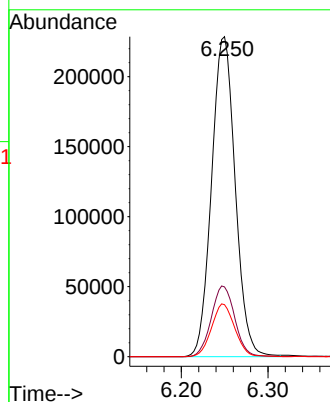
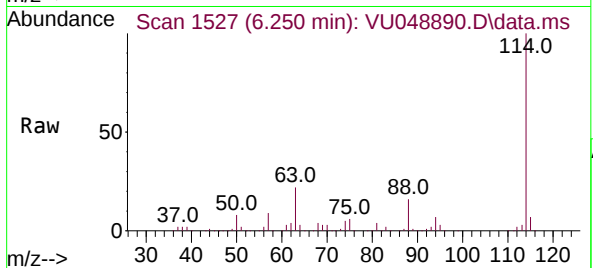
Tgt Ion:114 Resp: 433196

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

88 16.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.220 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048890.D

Acq: 06 Jun 2022 18:16

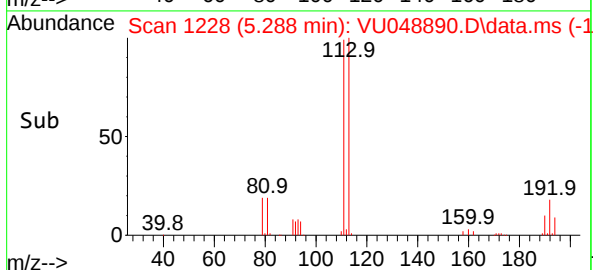
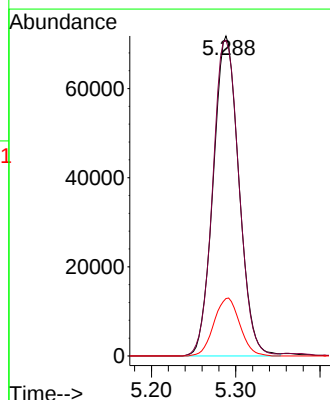
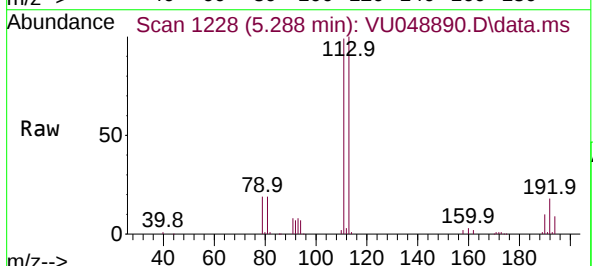
Tgt Ion:113 Resp: 152115

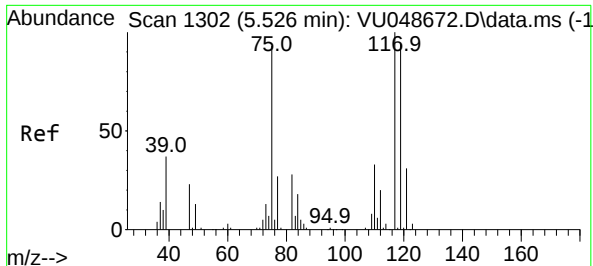
Ion Ratio Lower Upper

113 100

111 100.6 80.7 121.1

192 18.2 15.9 23.9

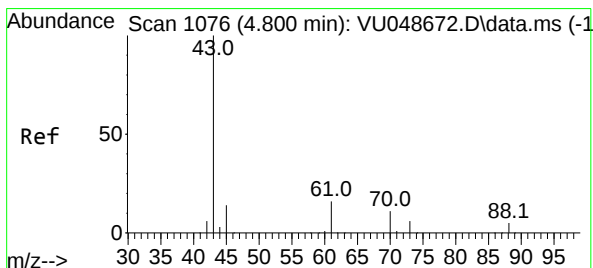
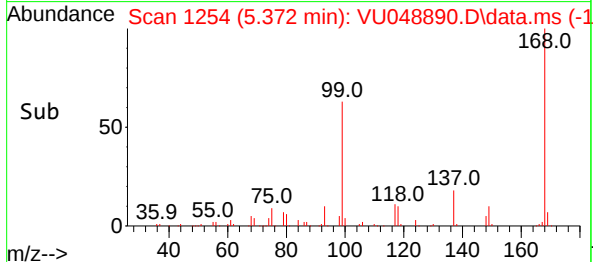
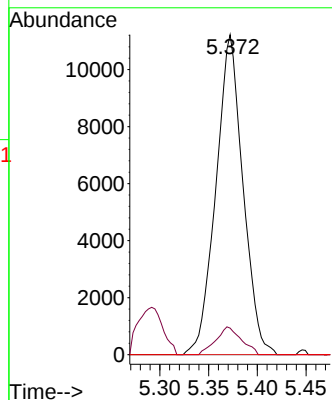
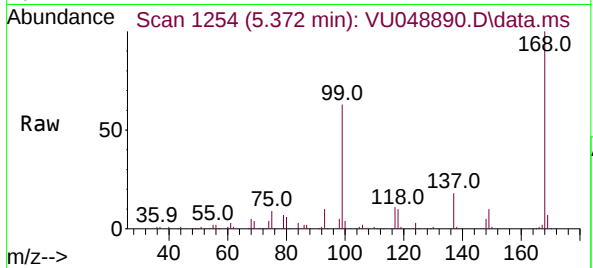




#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

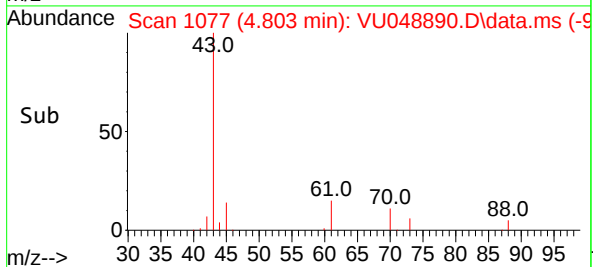
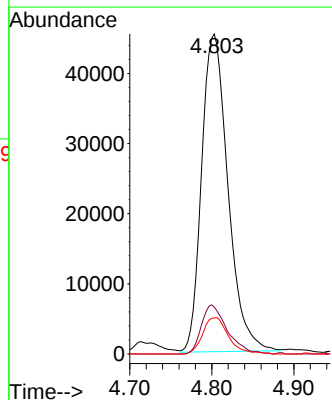
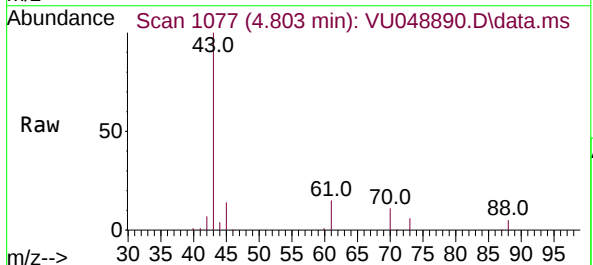
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

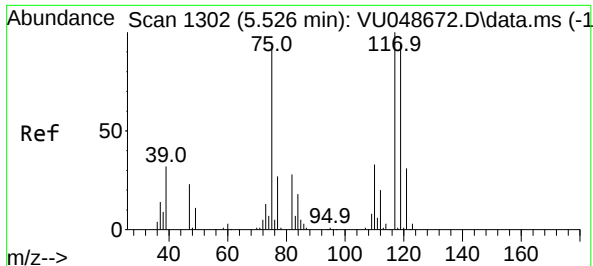
Tgt Ion: 75 Resp: 21654
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 17.740 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

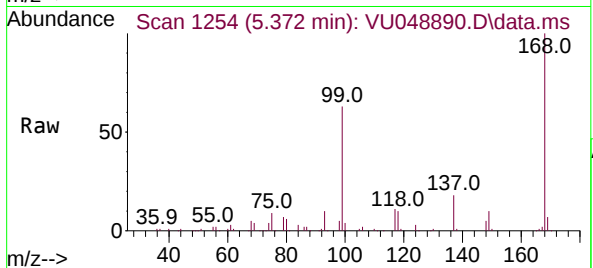
Tgt Ion: 43 Resp: 101154
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 11.2 8.4 12.6



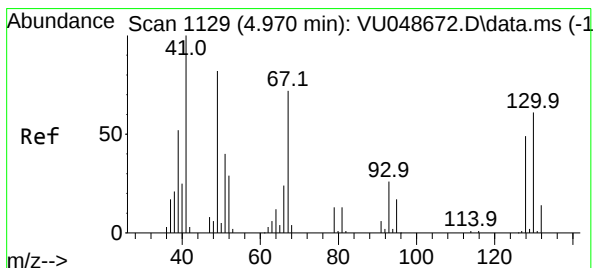
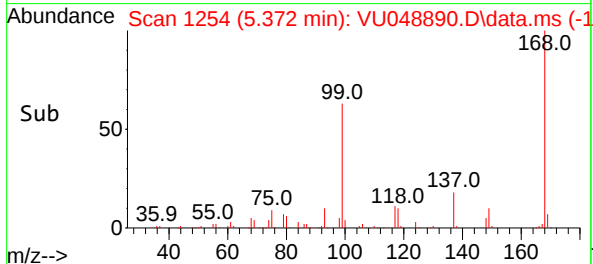
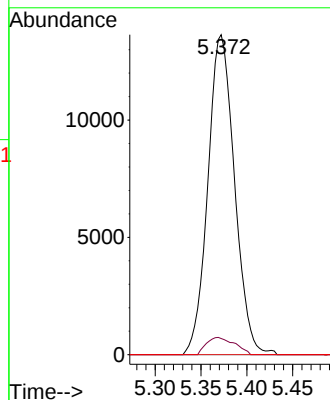


#38
Carbon Tetrachloride
Concen: 5.332 ug/l
RT: 5.372 min Scan# 1158
Delta R.T. -0.154 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

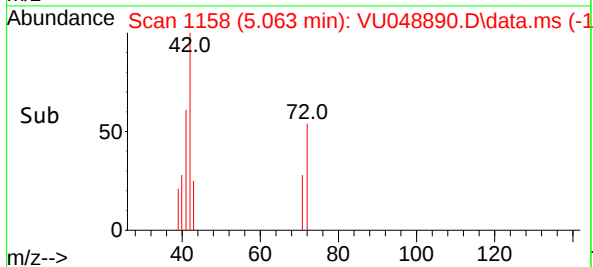
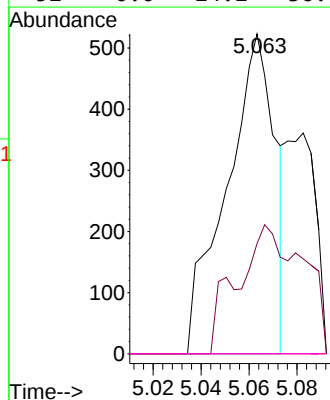
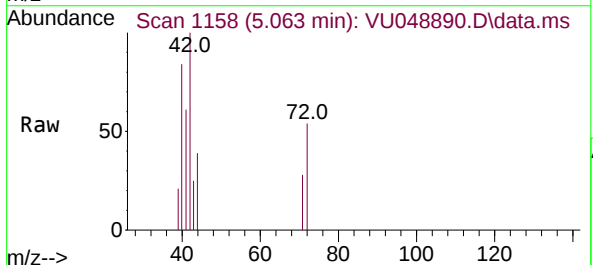


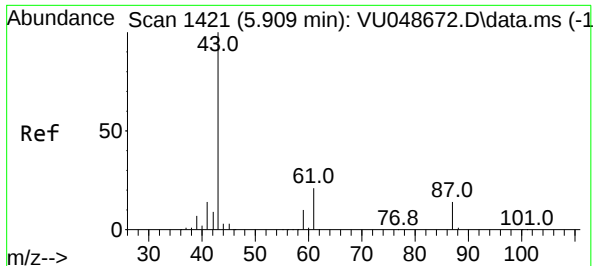
Tgt Ion:117 Resp: 27592
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.093 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

Tgt Ion: 41 Resp: 732
Ion Ratio Lower Upper
41 100
39 15.3 42.6 64.0#
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 0.344 ug/l

RT: 6.157 min Scan# 1421

Delta R.T. 0.247 min

Lab File: VU048890.D

Acq: 06 Jun 2022 18:16

Instrument :

MSVOA_U

ClientSampleId :

03BR-20220601

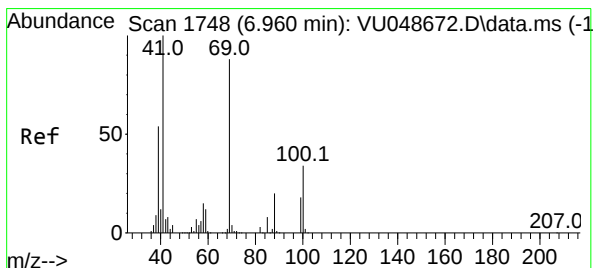
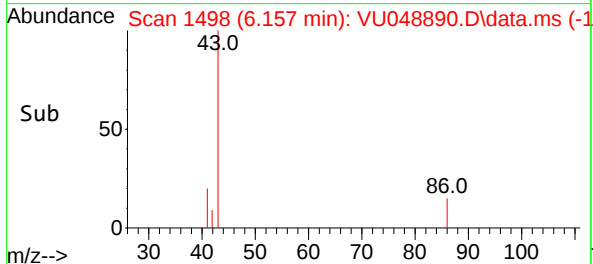
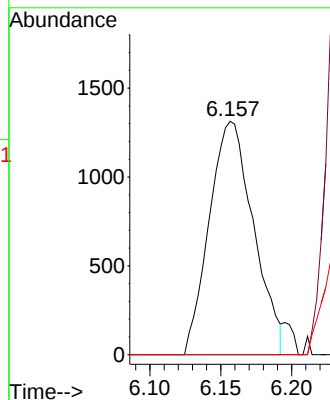
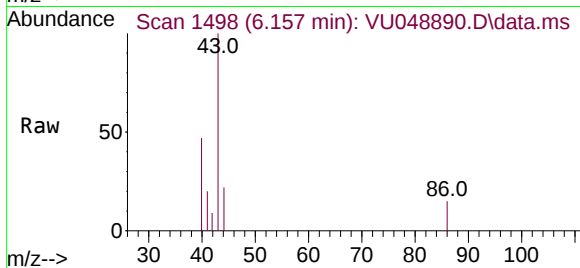
Tgt Ion: 43 Resp: 2851

Ion Ratio Lower Upper

43 100

61 0.0 16.7 25.1#

87 0.0 10.9 16.3#



#48

Methyl methacrylate

Concen: 0.725 ug/l

RT: 7.166 min Scan# 1812

Delta R.T. 0.206 min

Lab File: VU048890.D

Acq: 06 Jun 2022 18:16

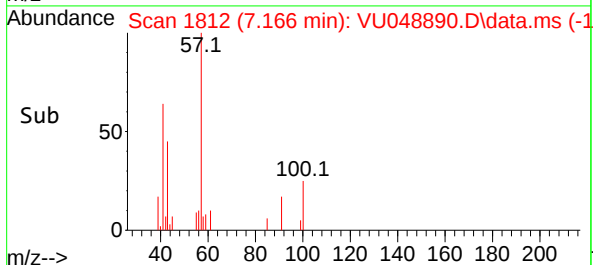
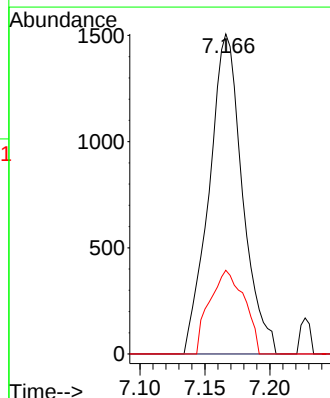
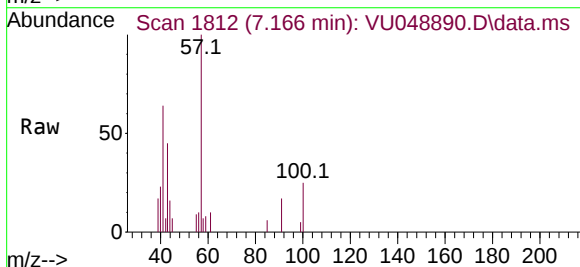
Tgt Ion: 41 Resp: 2694

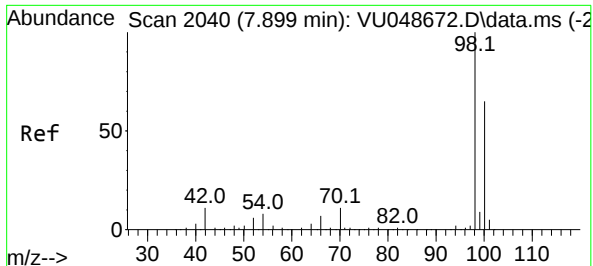
Ion Ratio Lower Upper

41 100

69 0.0 70.7 106.1#

39 27.1 43.4 65.2#

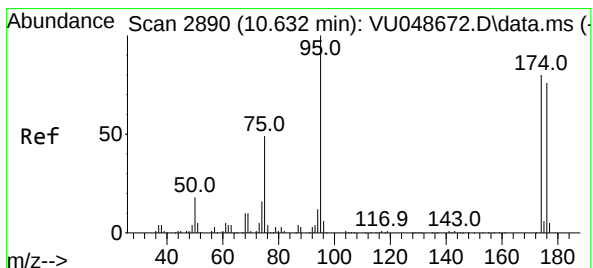
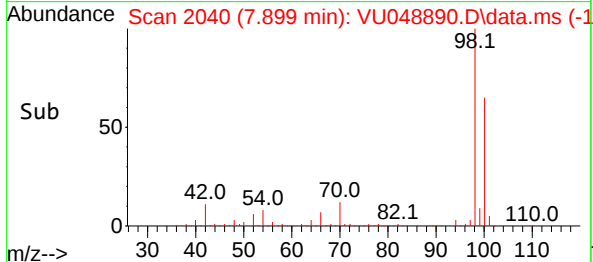
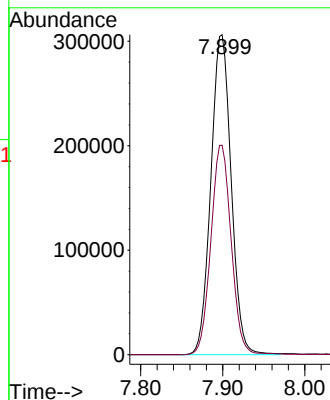
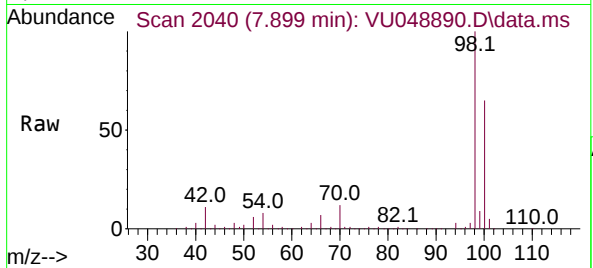




#50
Toluene-d8
Concen: 47.714 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

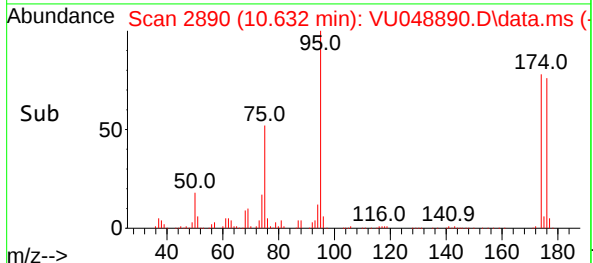
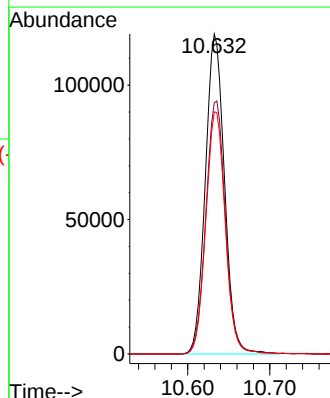
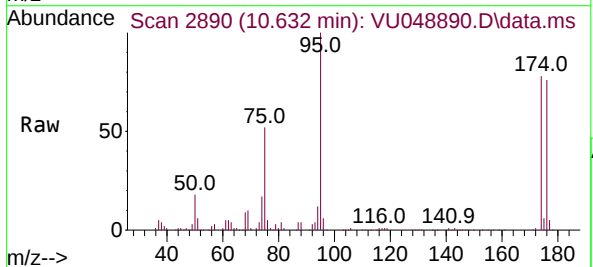
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

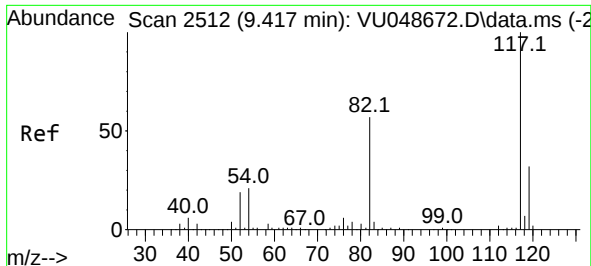
Tgt Ion: 98 Resp: 528596
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.974 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

Tgt Ion: 95 Resp: 192621
Ion Ratio Lower Upper
95 100
174 81.2 0.0 159.4
176 76.8 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: VU048890.D

Acq: 06 Jun 2022 18:16

Instrument :

MSVOA_U

ClientSampleId :

03BR-20220601

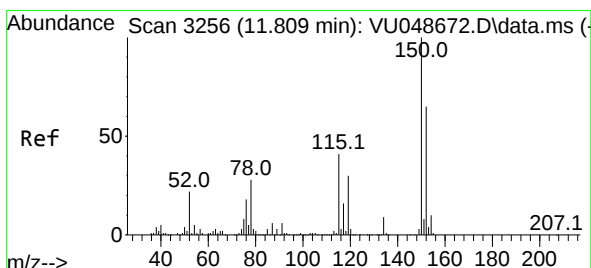
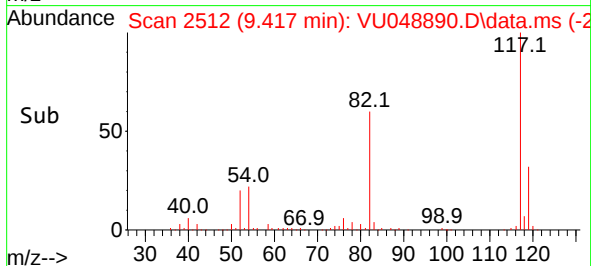
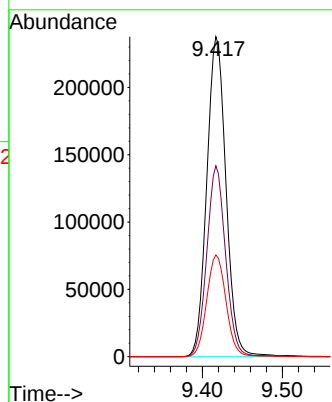
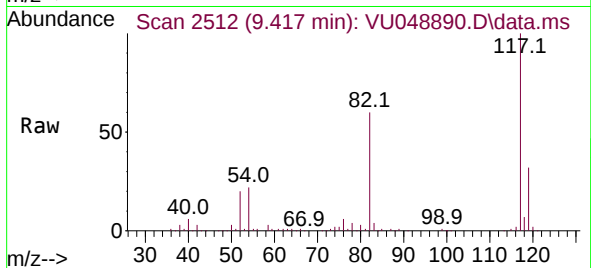
Tgt Ion:117 Resp: 397222

Ion Ratio Lower Upper

117 100

82 59.7 45.3 67.9

119 31.8 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.812 min Scan# 3257

Delta R.T. 0.003 min

Lab File: VU048890.D

Acq: 06 Jun 2022 18:16

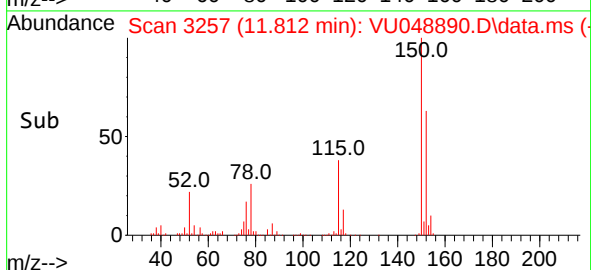
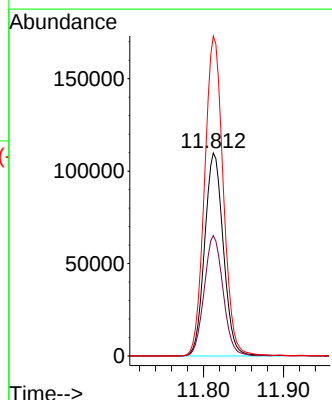
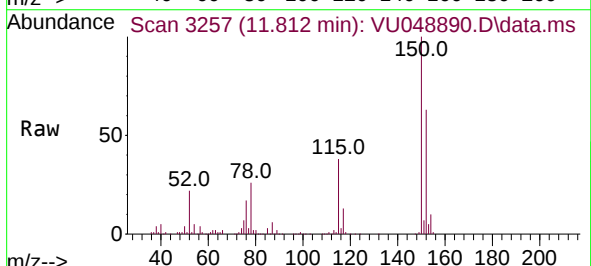
Tgt Ion:152 Resp: 178904

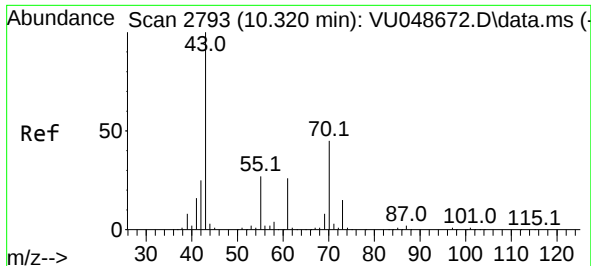
Ion Ratio Lower Upper

152 100

115 59.8 41.8 125.4

150 156.9 0.0 341.0

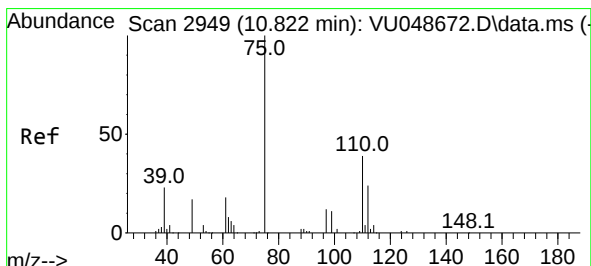
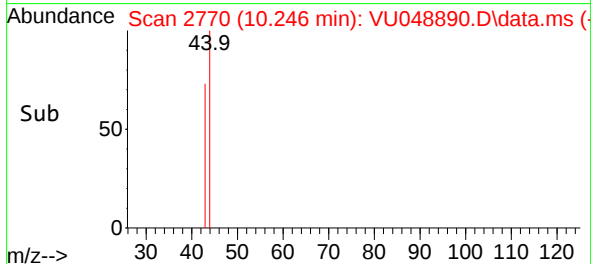
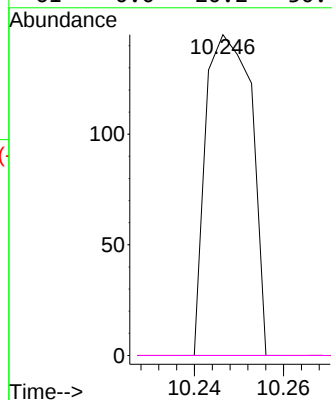
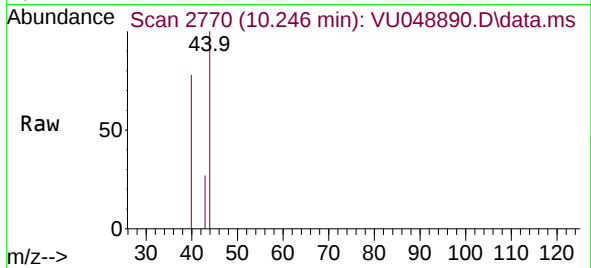




#74
N-amy1 acetate
Concen: 2.484 ug/l
RT: 10.246 min Scan# 21
Delta R.T. -0.074 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

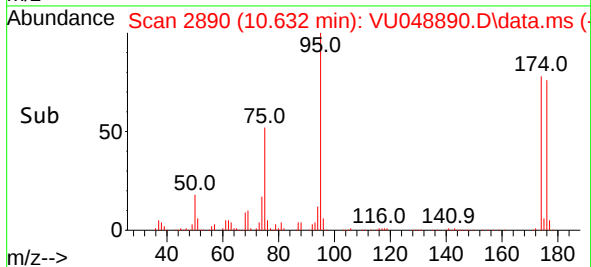
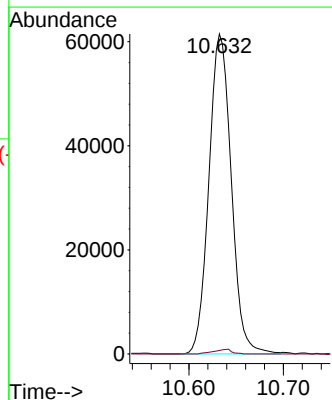
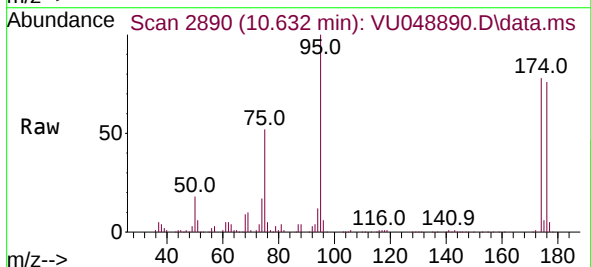
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

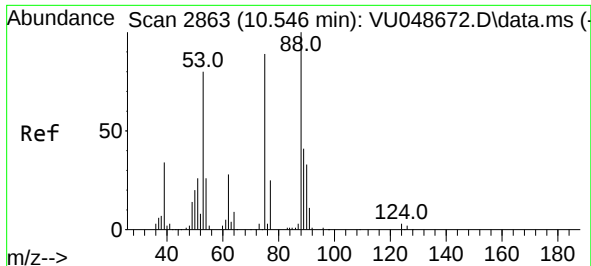
Tgt Ion: 43	Resp:	103
Ion	Ratio	Lower Upper
43	100	
70	0.0	35.8 53.6#
55	0.0	21.1 31.7#
61	0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.527 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

Tgt Ion: 75	Resp:	101102
Ion	Ratio	Lower Upper
75	100	
77	1.2	14.8 44.3#

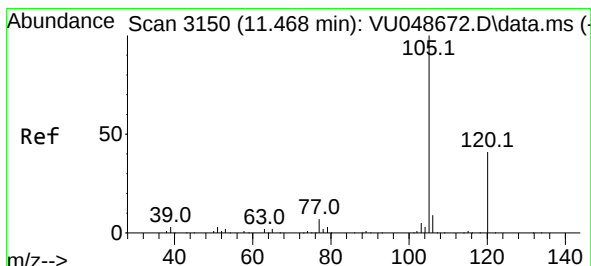
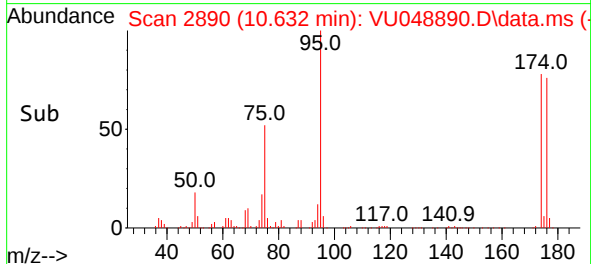
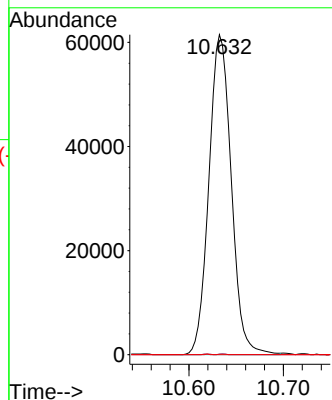
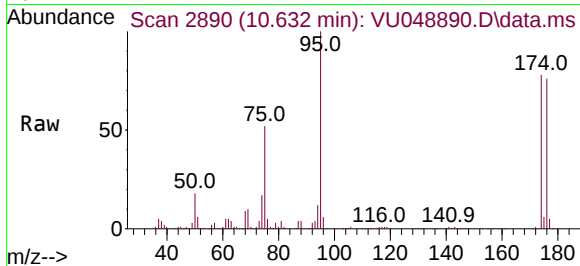




#81
trans-1,4-Dichloro-2-butene
Concen: 63.639 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

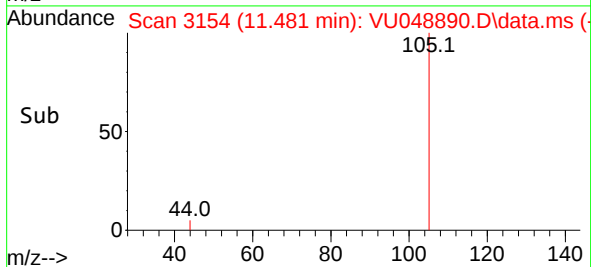
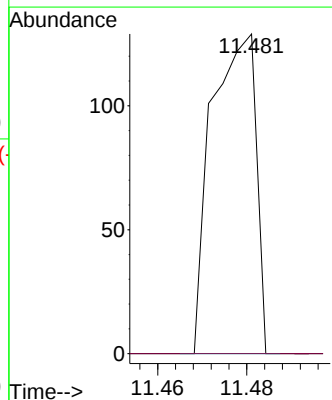
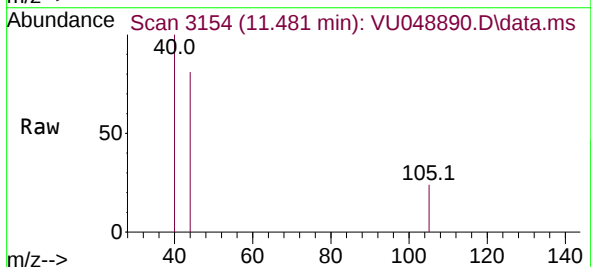
Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601

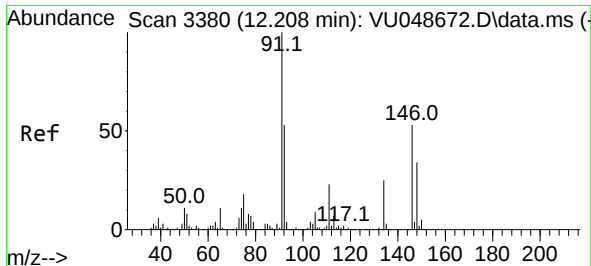
Tgt Ion: 75 Resp: 101102
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.195 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.013 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

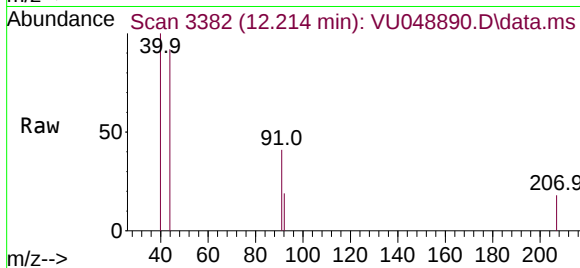
Tgt Ion: 105 Resp: 89
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



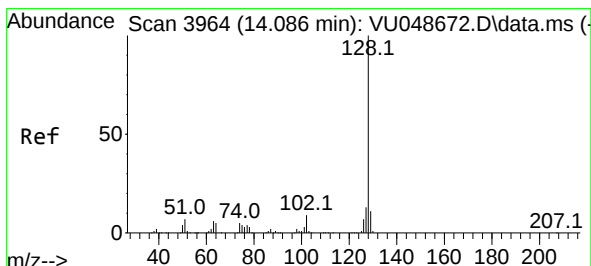
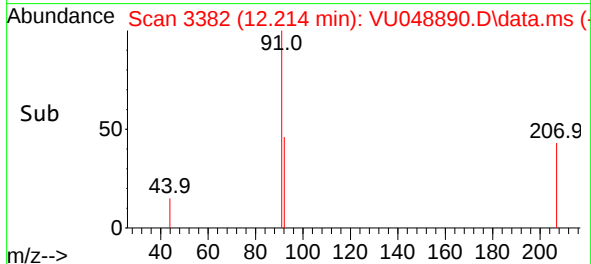
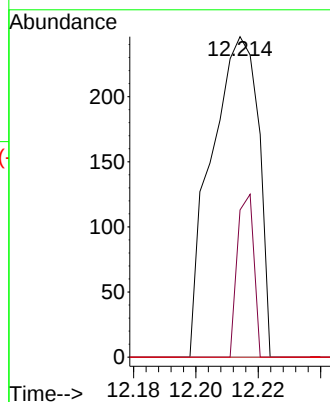


#89
n-Butylbenzene
Concen: 2.209 ug/l
RT: 12.214 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

Instrument :
MSVOA_U
ClientSampleId :
03BR-20220601



Tgt Ion: 91 Resp: 258
Ion Ratio Lower Upper
91 100
92 17.8 25.9 77.8#
134 0.0 12.5 37.5#



#95
Naphthalene
Concen: 2.634 ug/l
RT: 14.108 min Scan# 3971
Delta R.T. 0.022 min
Lab File: VU048890.D
Acq: 06 Jun 2022 18:16

Tgt Ion: 128 Resp: 1499
Ion Ratio Lower Upper
128 100
127 6.5 10.2 15.4#
129 6.2 8.7 13.1#

