

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
 Data File : VU048892.D
 Acq On : 06 Jun 2022 19:03
 Operator : SY/MD
 Sample : N3165-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jun 07 05:20:28 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)

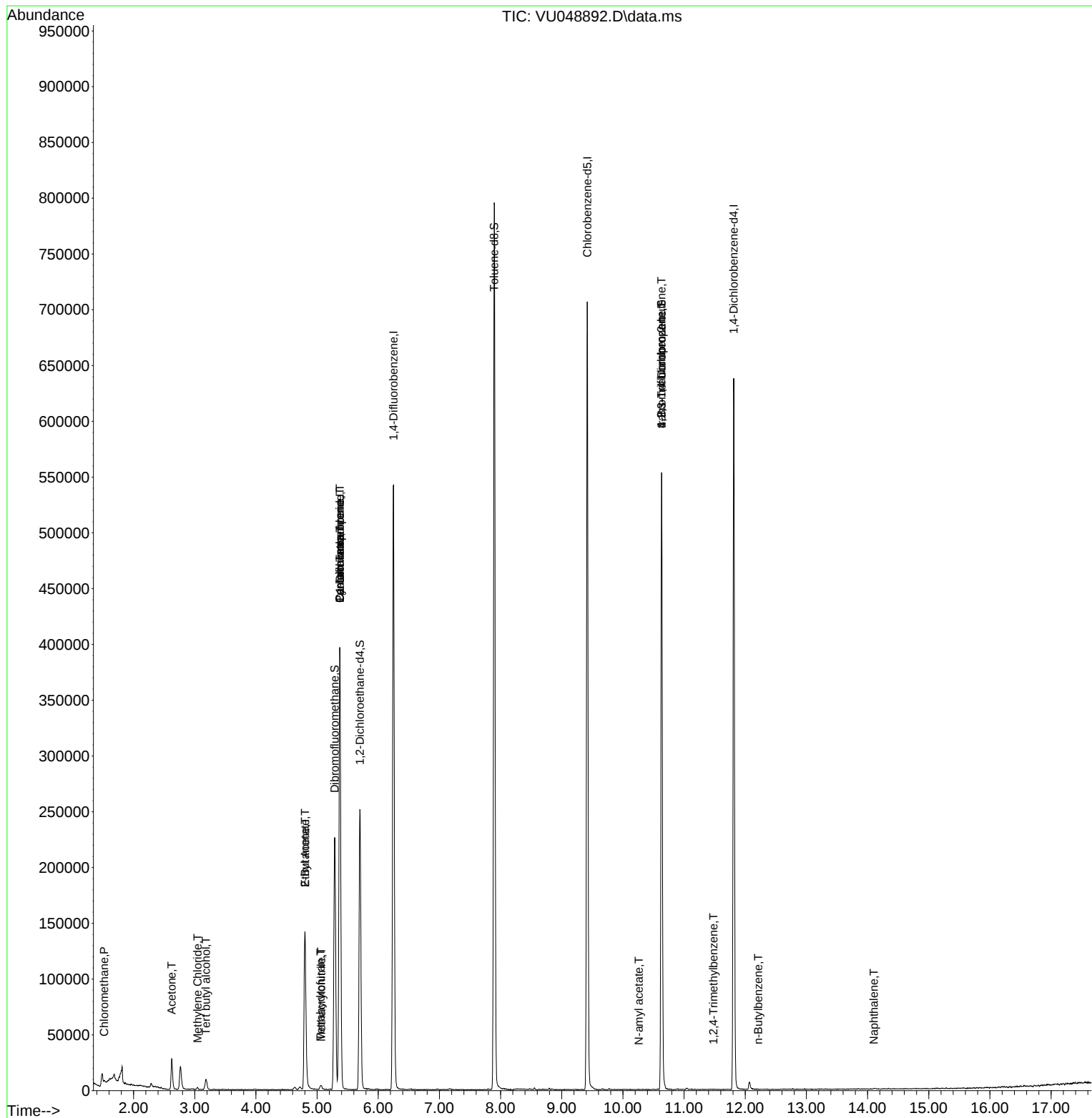
Internal Standards						
1) Pentafluorobenzene	5.372	168	261018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	424501	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	382354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	167951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	191482	48.848	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.700%
35) Dibromofluoromethane	5.289	113	148326	48.977	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.960%
50) Toluene-d8	7.896	98	517438	47.664	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.320%
62) 4-Bromofluorobenzene	10.632	95	184277	44.884	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.760%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1702	0.442	ug/l	94
5) Bromomethane	1.826	94	378	Below Cal	#	78
6) Chloroethane	1.861	64	601	Below Cal	#	43
11) Tert butyl alcohol	3.183	59	6214	6.253	ug/l #	28
13) Acrolein	2.491	56	41	Below Cal	#	14
16) Acetone	2.623	43	29883	14.958	ug/l	99
20) Methylene Chloride	3.047	84	682	0.201	ug/l #	73
25) 2-Butanone	4.803	43	186335	64.927	ug/l #	49
29) Tetrahydrofuran	5.060	42	2940	1.626	ug/l #	85
31) Cyclohexane	5.372	56	5806	1.175	ug/l #	5
36) 1,1-Dichloropropene	5.372	75	21995	4.976	ug/l #	49
37) Ethyl Acetate	4.803	43	186335	33.347	ug/l	100
38) Carbon Tetrachloride	5.372	117	27657	5.454	ug/l #	17
41) Methacrylonitrile	5.070	41	1645	0.583	ug/l #	39
64) Tetrachloroethene	8.555	164	341	Below Cal	#	74
74) N-amyl acetate	10.263	43	73	2.480	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	95309	17.600	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	95309	63.905	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.481	105	19	1.189	ug/l #	31
89) n-Butylbenzene	12.211	91	42	2.189	ug/l #	34
95) Naphthalene	14.102	128	1393	2.633	ug/l #	69

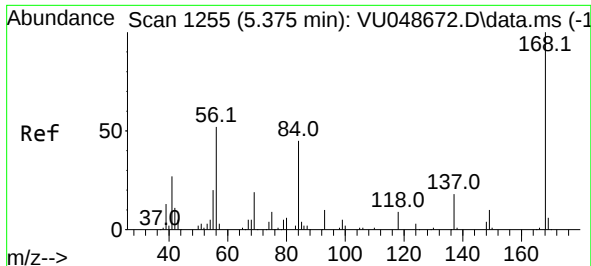
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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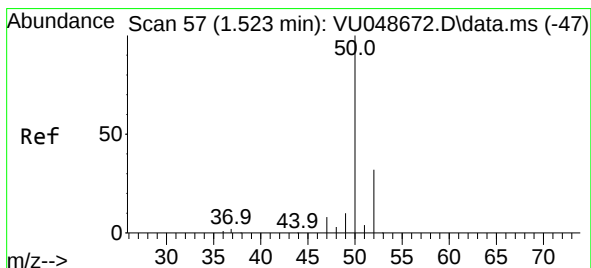
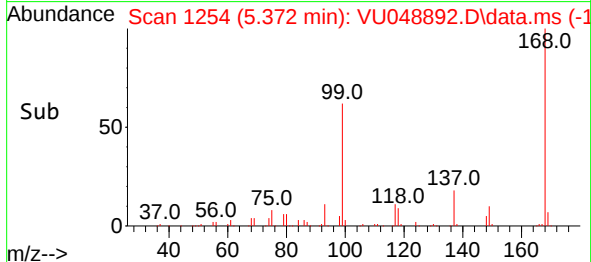
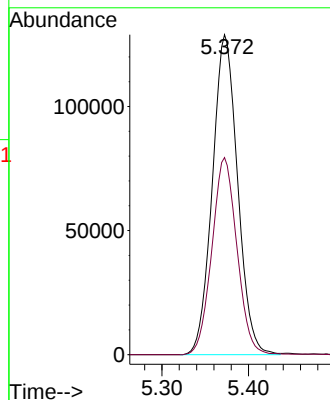
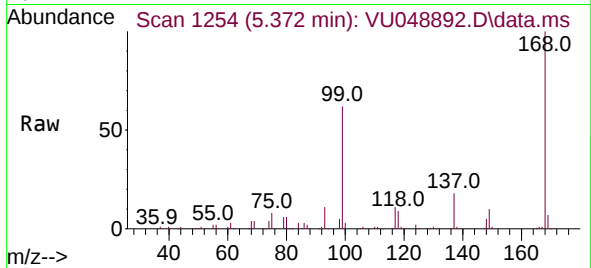




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

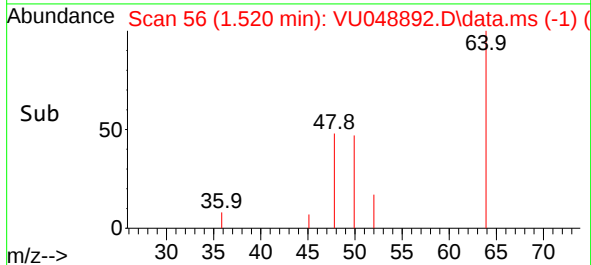
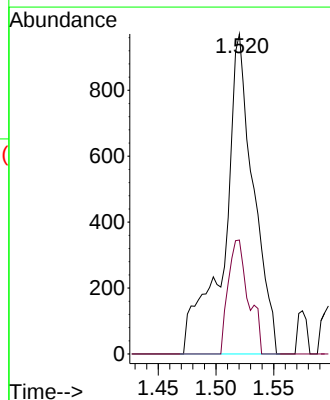
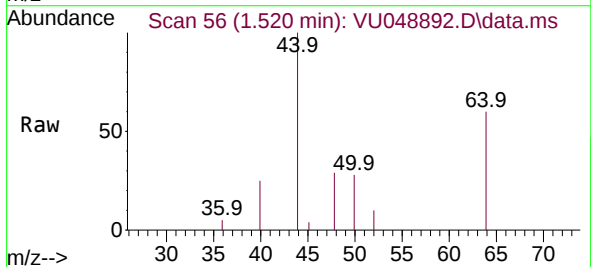
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

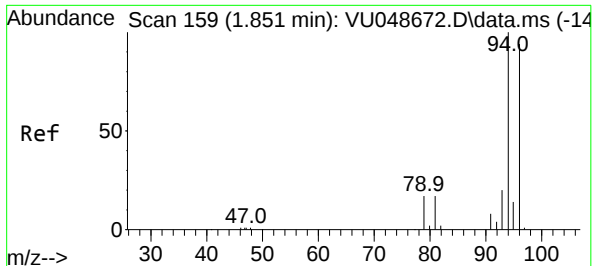
Tgt Ion:168 Resp: 261018
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9



#3
Chloromethane
Concen: 0.442 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 50 Resp: 1702
Ion Ratio Lower Upper
50 100
52 35.6 25.7 38.5

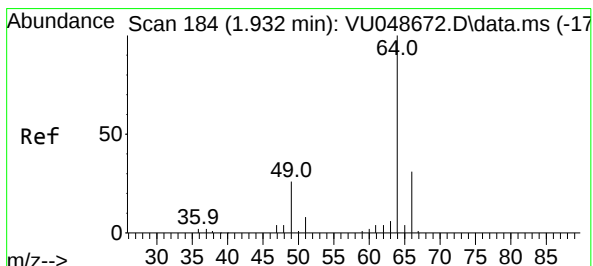
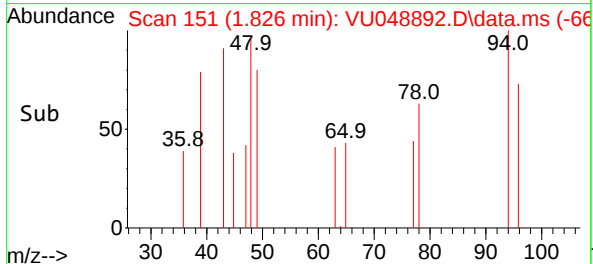
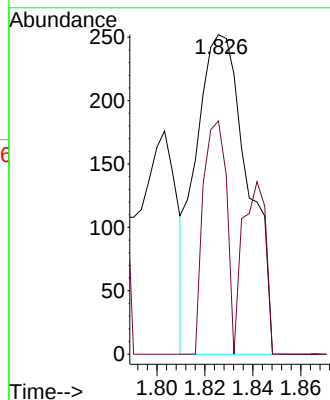
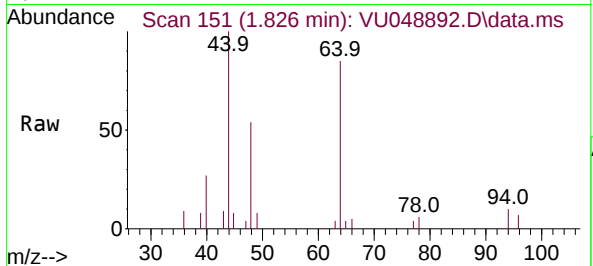




#5
Bromomethane
Concen: Below Cal
RT: 1.826 min Scan# 11
Delta R.T. -0.025 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

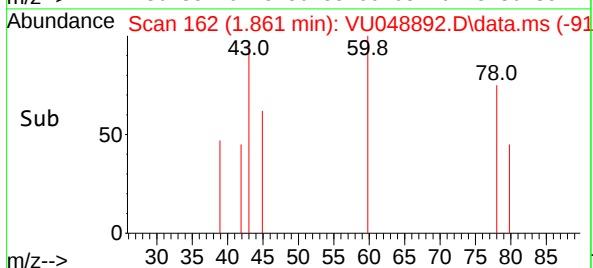
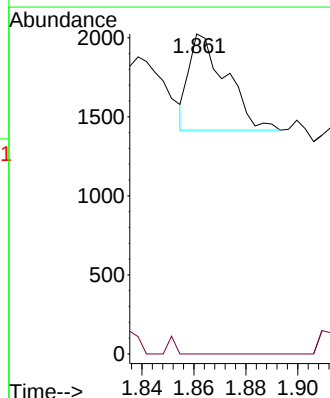
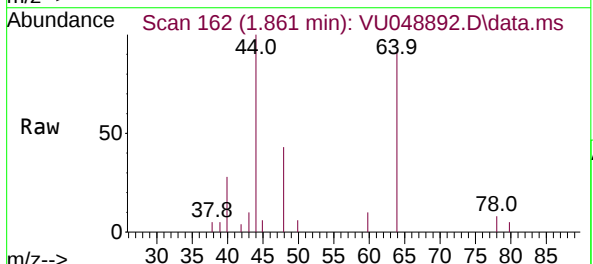
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

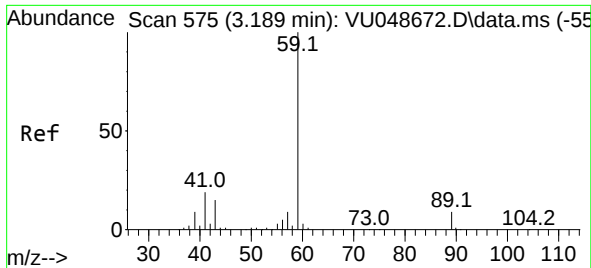
Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 73.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.861 min Scan# 162
Delta R.T. -0.071 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 64 Resp: 601
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

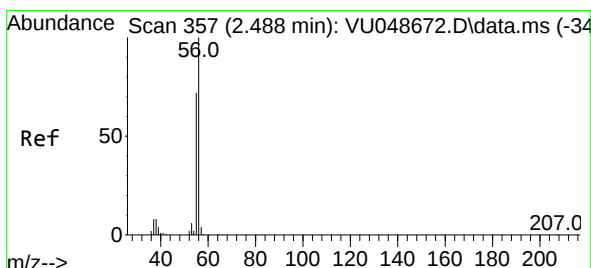
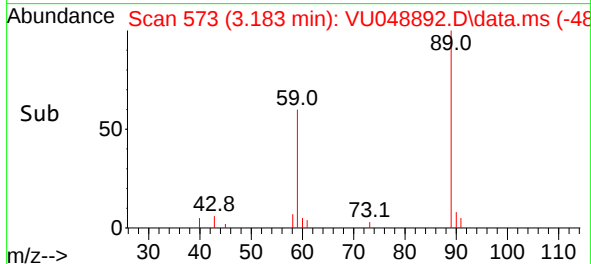
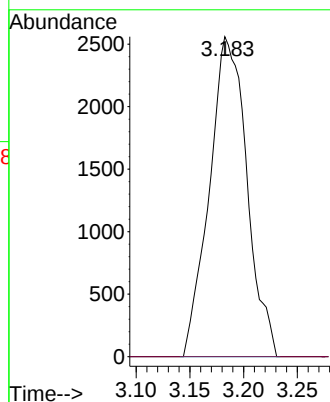
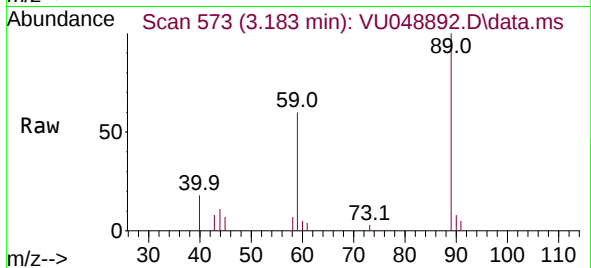




#11
Tert butyl alcohol
Concen: 6.253 ug/l
RT: 3.183 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

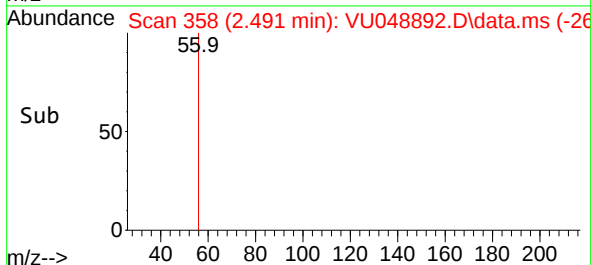
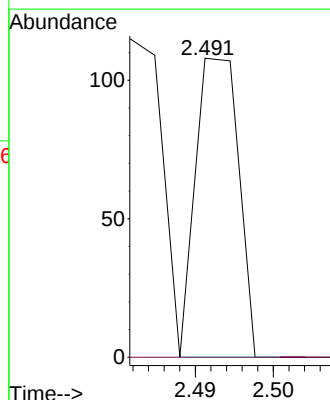
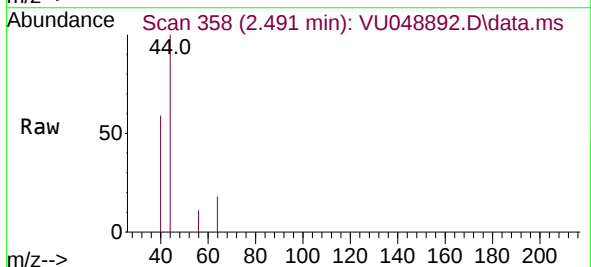
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

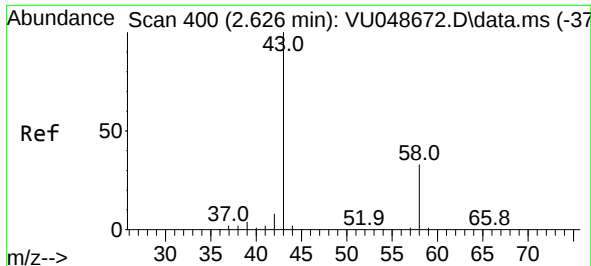
Tgt Ion: 59 Resp: 6214
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.491 min Scan# 358
Delta R.T. 0.003 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#

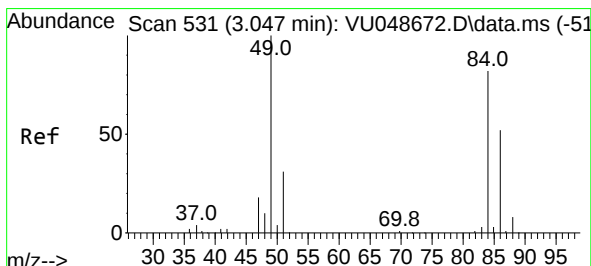
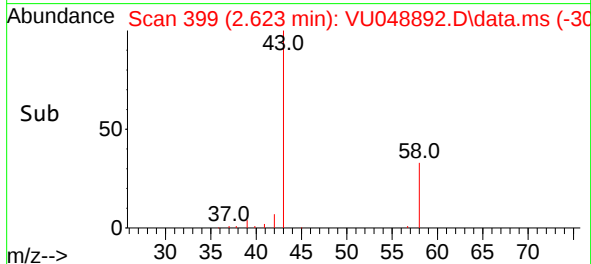
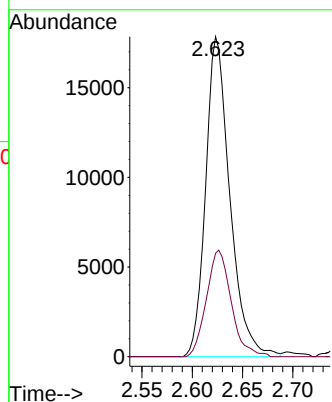
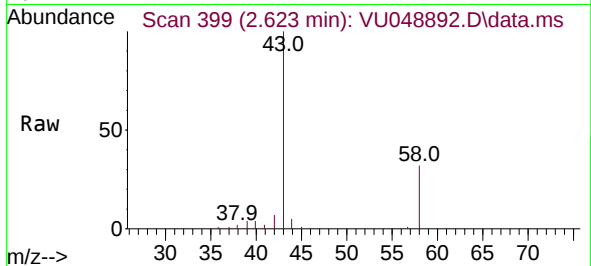




#16
Acetone
Concen: 14.958 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

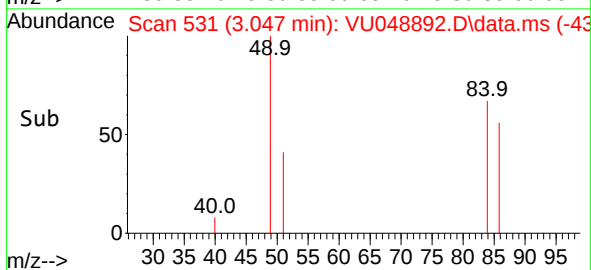
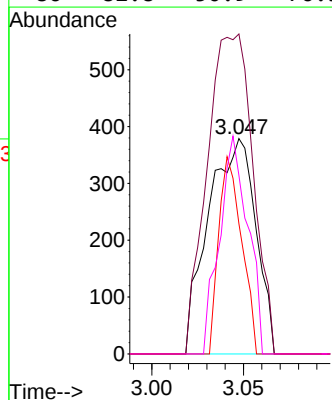
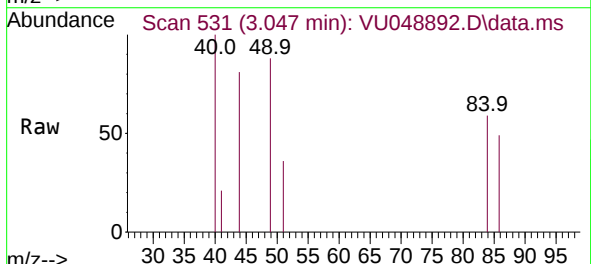
Instrument :
MSVOA_U
ClientSampleId :
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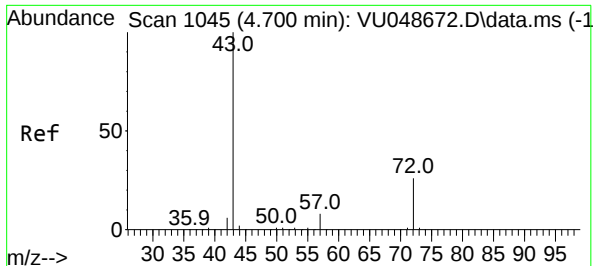
Tgt Ion: 43 Resp: 29883
Ion Ratio Lower Upper
43 100
58 32.3 26.3 39.5



#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 84 Resp: 682
Ion Ratio Lower Upper
84 100
49 148.5 97.0 145.4#
51 60.4 29.8 44.8#
86 82.8 50.9 76.3#





#25

2-Butanone

Concen: 64.927 ug/l

RT: 4.803 min Scan# 1107

Delta R.T. 0.103 min

Lab File: VU048892.D

Acq: 06 Jun 2022 19:03

Instrument :

MSVOA_U

ClientSampleId :

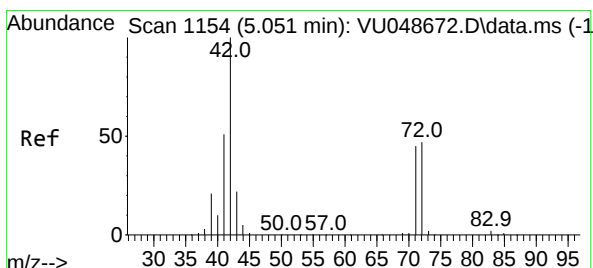
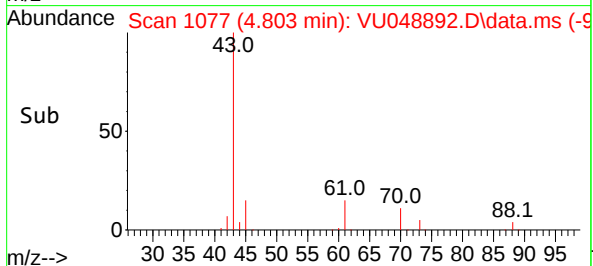
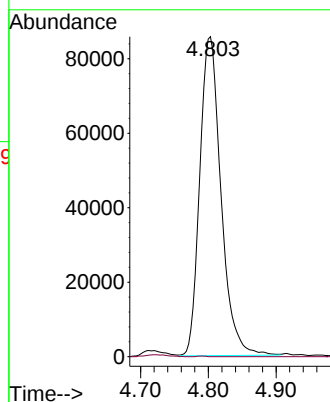
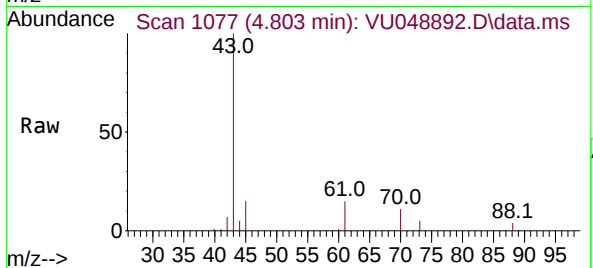
11-MW-1-20220601

Tgt Ion: 43 Resp: 186335

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 1.626 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048892.D

Acq: 06 Jun 2022 19:03

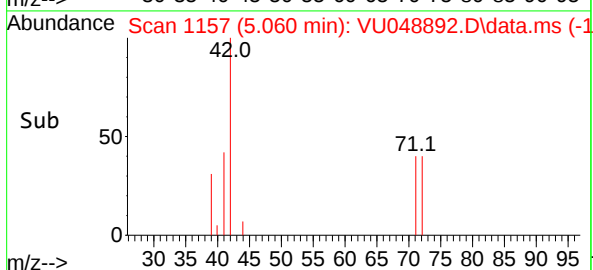
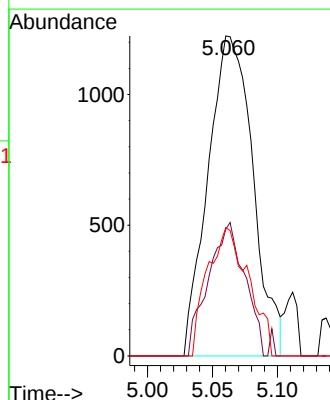
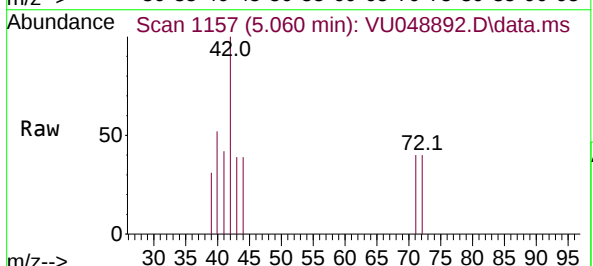
Tgt Ion: 42 Resp: 2940

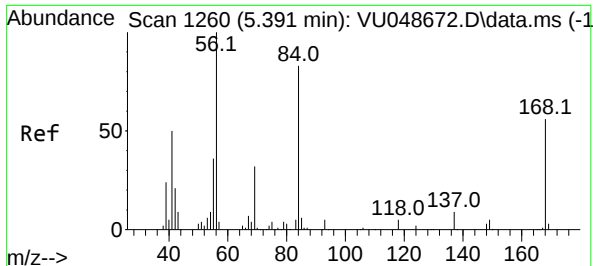
Ion Ratio Lower Upper

42 100

72 34.0 37.6 56.4#

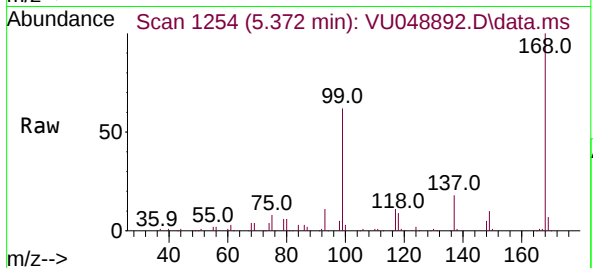
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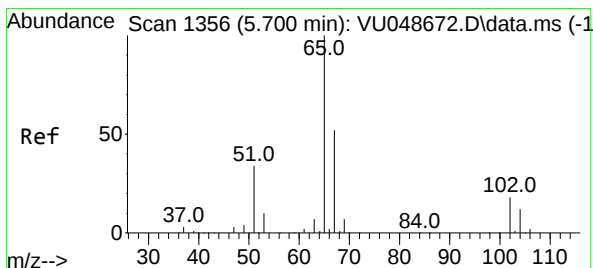
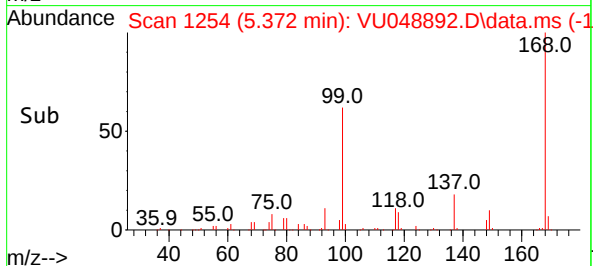
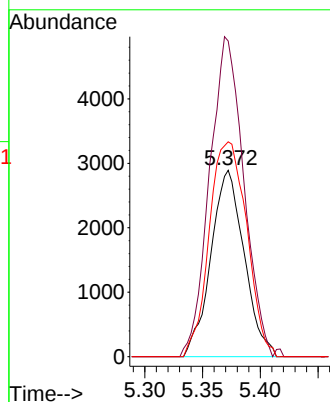


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

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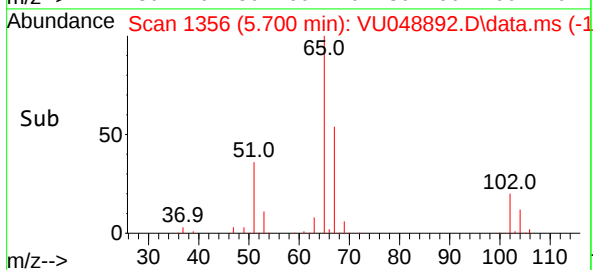
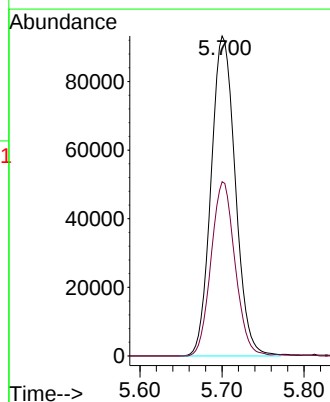
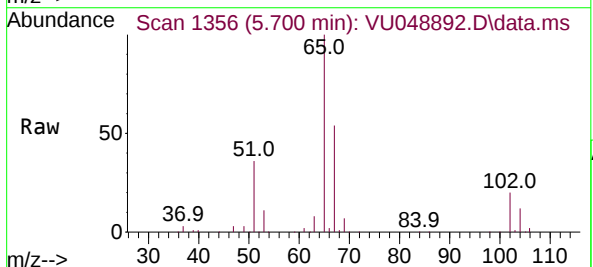


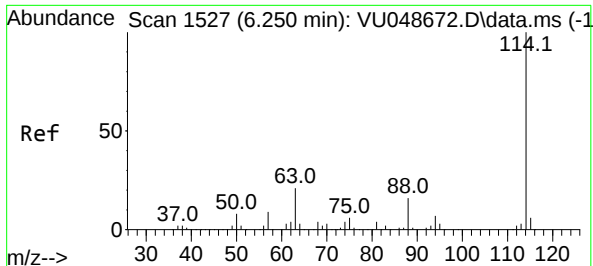
Tgt Ion: 56 Resp: 5806
Ion Ratio Lower Upper
56 100
69 169.4 25.6 38.4#
84 115.3 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 48.848 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 65 Resp: 191482
Ion Ratio Lower Upper
65 100
67 53.8 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: VU048892.D

Acq: 06 Jun 2022 19:03

Instrument :

MSVOA_U

ClientSampleId :

11-MW-1-20220601

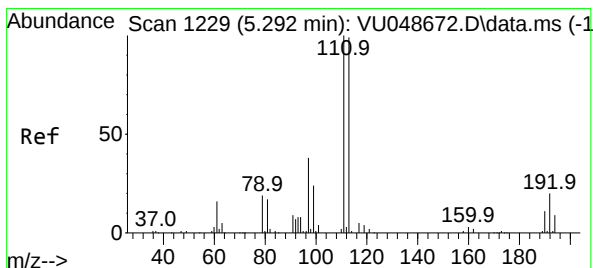
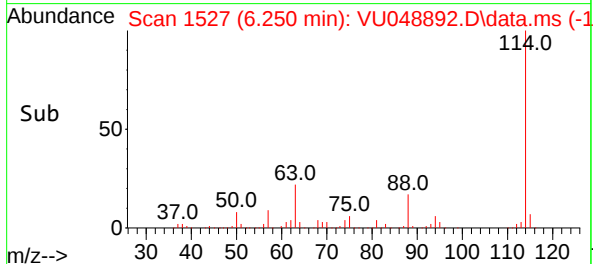
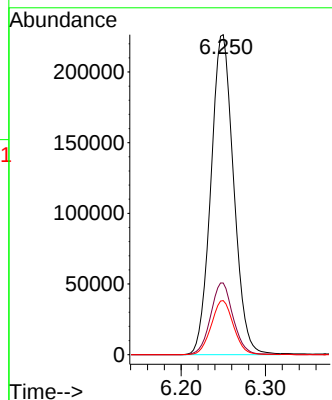
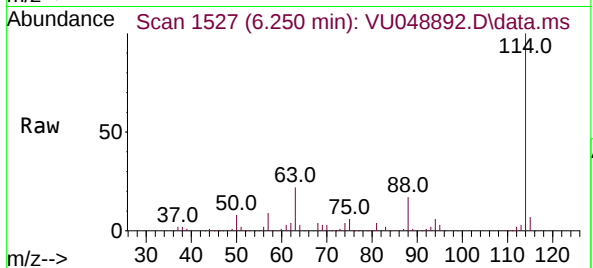
Tgt Ion:114 Resp: 424501

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

88 16.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.977 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048892.D

Acq: 06 Jun 2022 19:03

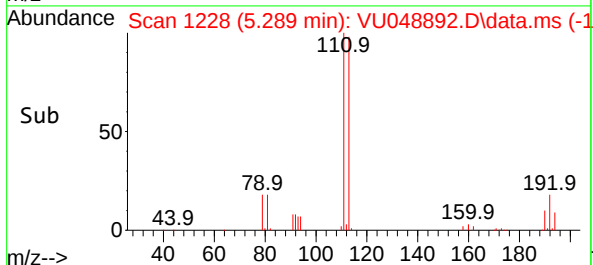
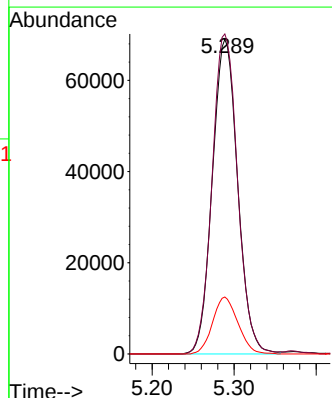
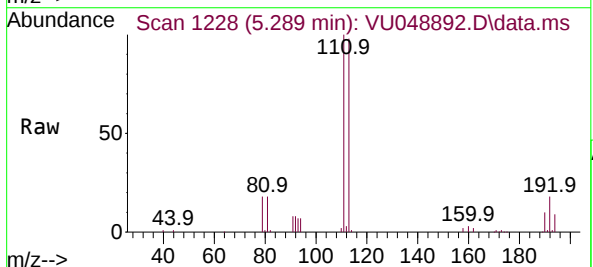
Tgt Ion:113 Resp: 148326

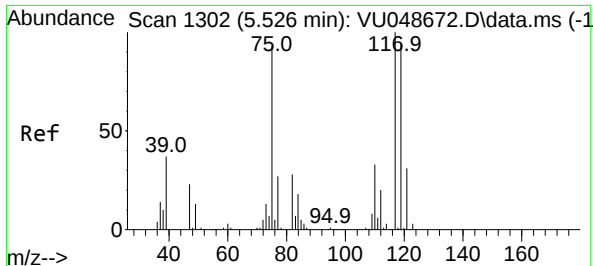
Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

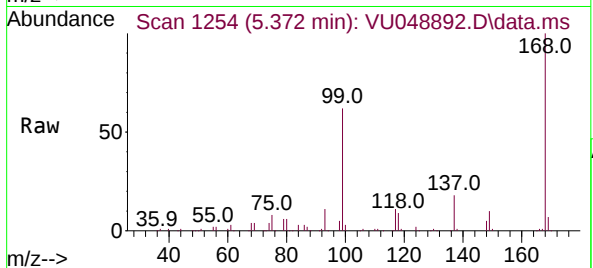
192 18.1 15.9 23.9



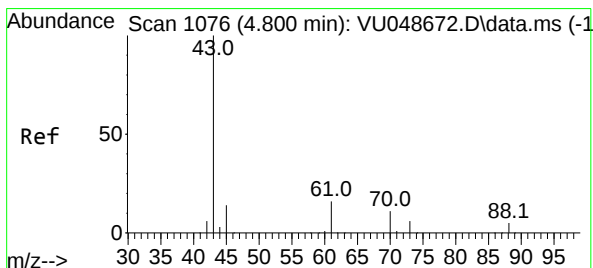
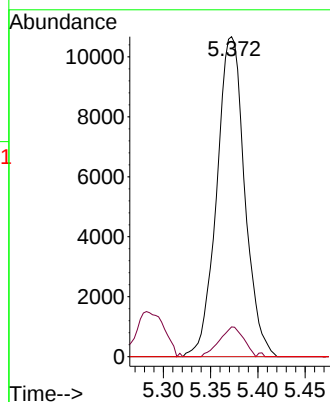
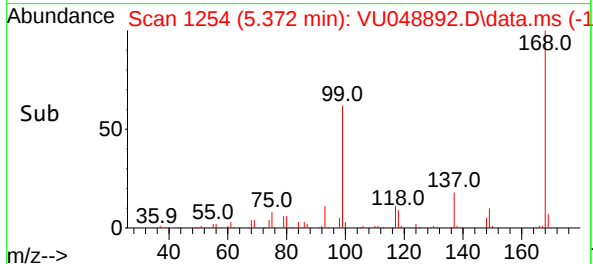


#36
1,1-Dichloropropene
Concen: 4.976 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

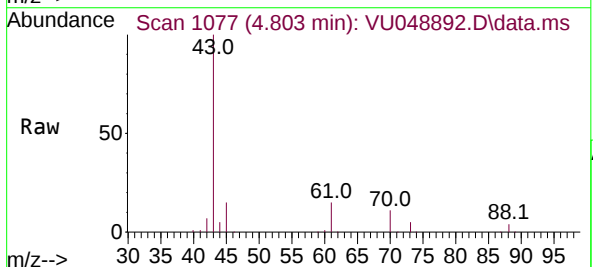
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601



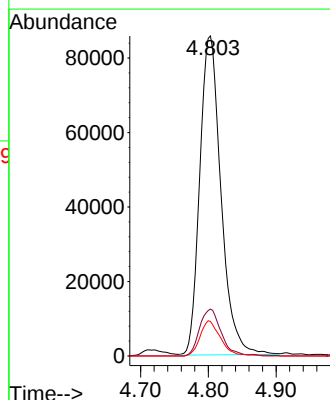
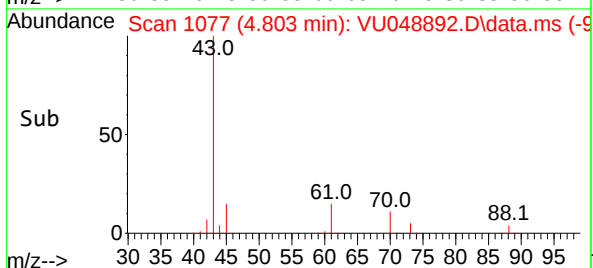
Tgt Ion: 75 Resp: 21995
Ion Ratio Lower Upper
75 100
110 8.0 17.4 52.3#
77 0.0 24.8 37.2#

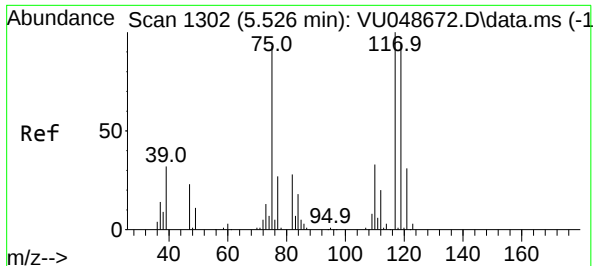


#37
Ethyl Acetate
Concen: 33.347 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03



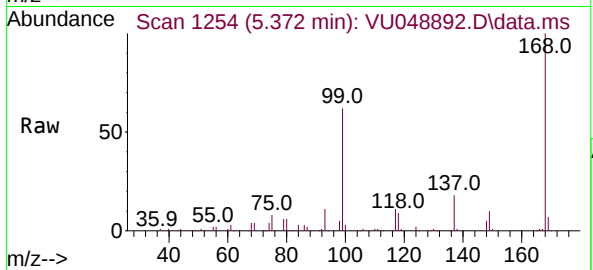
Tgt Ion: 43 Resp: 186335
Ion Ratio Lower Upper
43 100
61 14.8 11.7 17.5
70 10.6 8.4 12.6



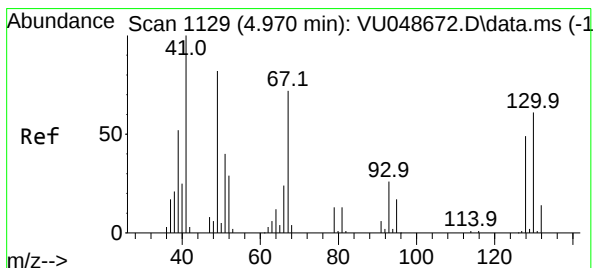
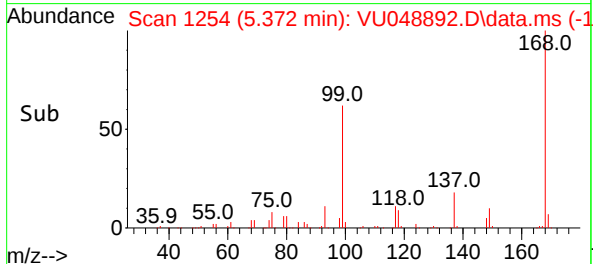
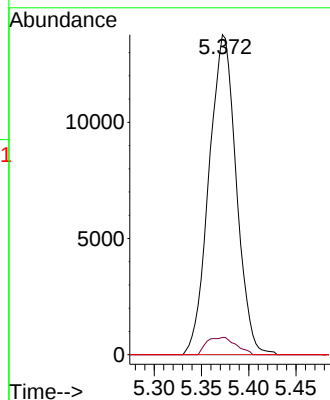


#38
Carbon Tetrachloride
Concen: 5.454 ug/l
RT: 5.372 min Scan# 1160
Delta R.T. -0.154 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

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

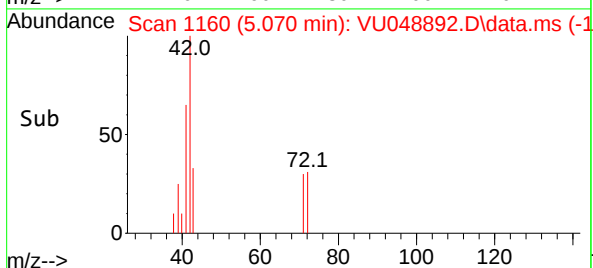
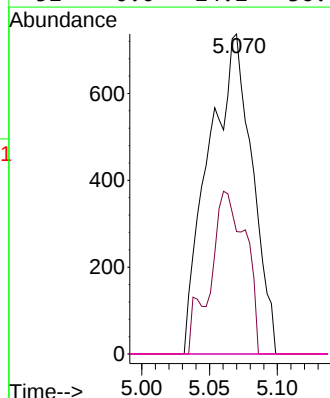
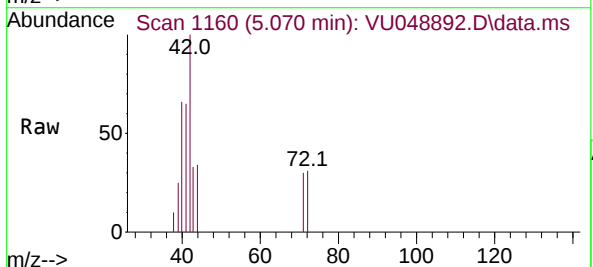


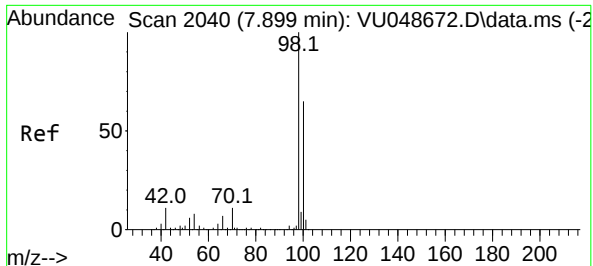
Tgt Ion:117 Resp: 27657
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.583 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.100 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 41 Resp: 1645
Ion Ratio Lower Upper
41 100
39 35.9 42.6 64.0#
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#

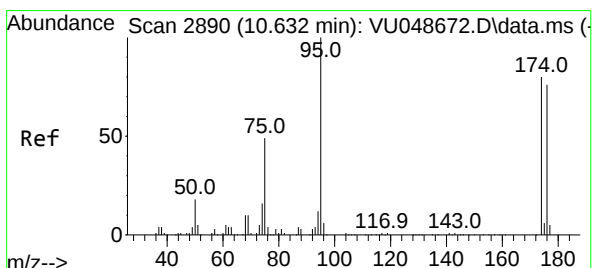
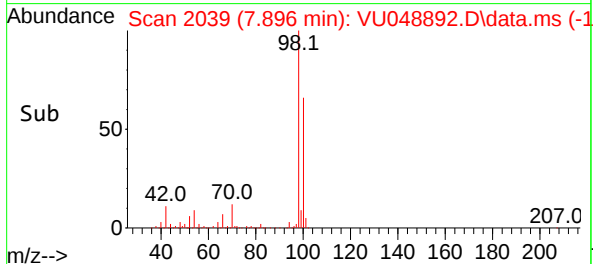
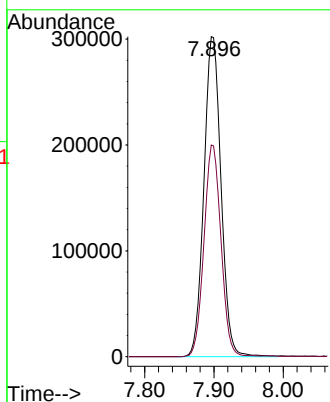
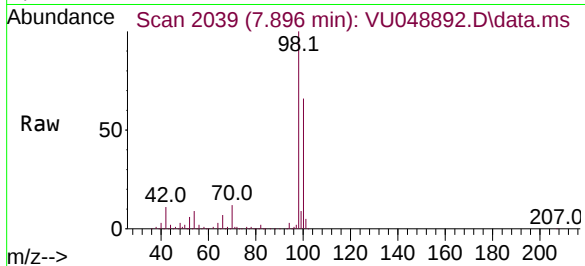




#50
Toluene-d8
Concen: 47.664 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

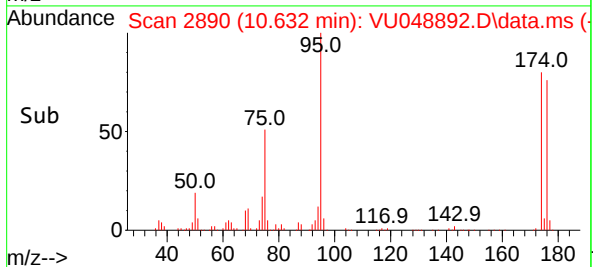
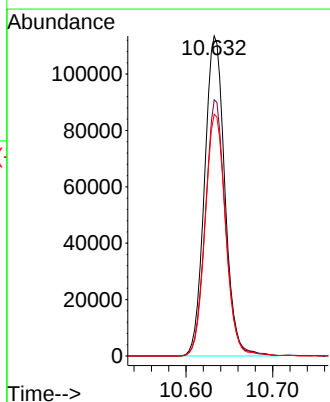
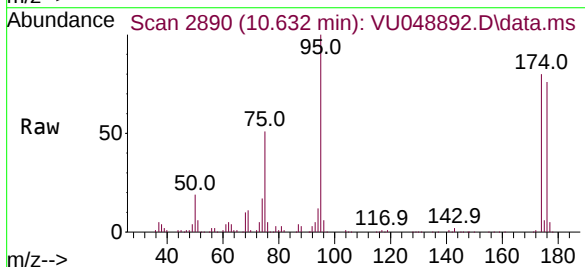
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

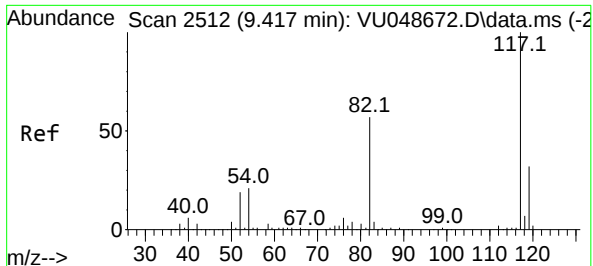
Tgt Ion: 98 Resp: 517438
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.884 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 95 Resp: 184277
Ion Ratio Lower Upper
95 100
174 79.9 0.0 159.4
176 76.3 0.0 152.4

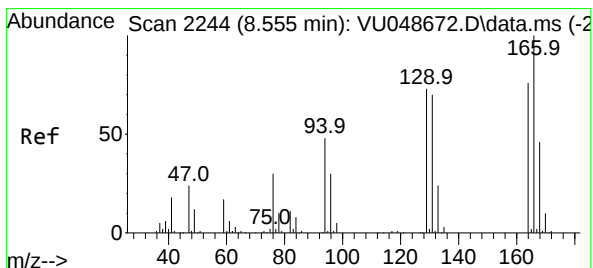
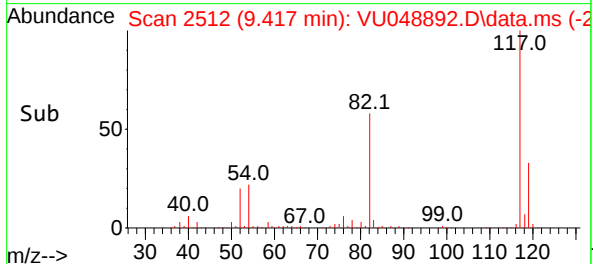
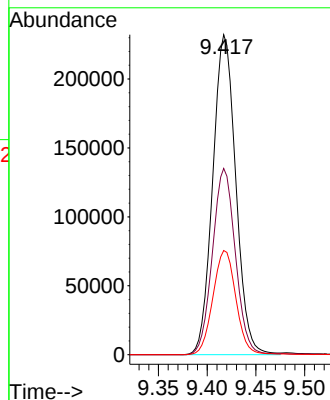
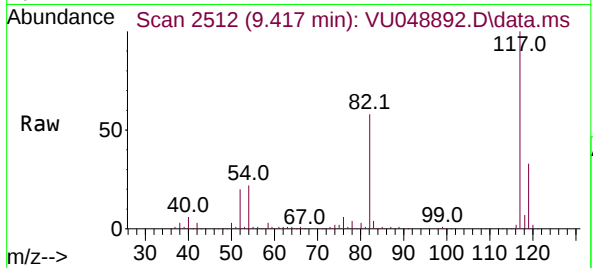




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

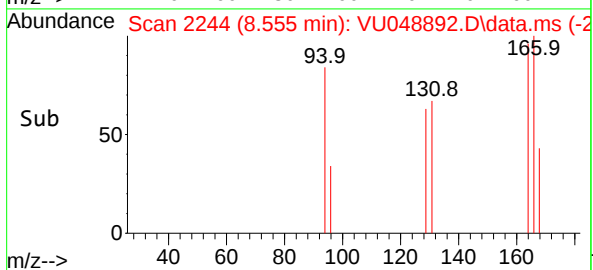
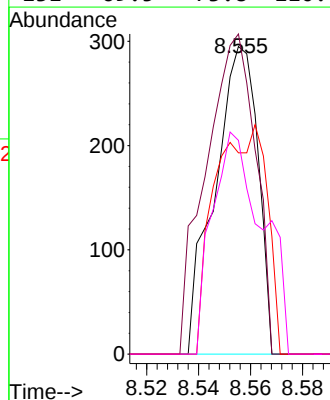
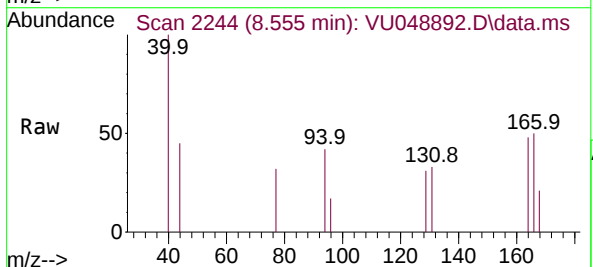
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

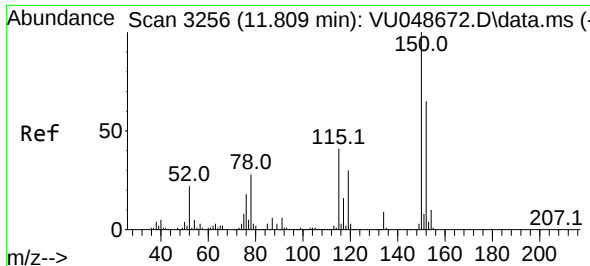
Tgt Ion:117 Resp: 382354
Ion Ratio Lower Upper
117 100
82 58.2 45.3 67.9
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion:164 Resp: 341
Ion Ratio Lower Upper
164 100
166 104.1 105.0 157.4#
129 65.4 76.5 114.7#
131 69.5 73.8 110.6#

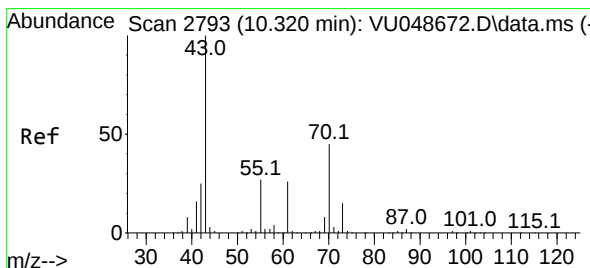
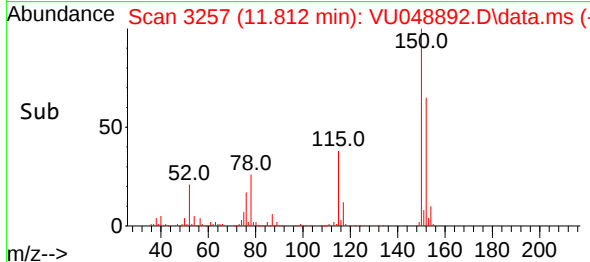
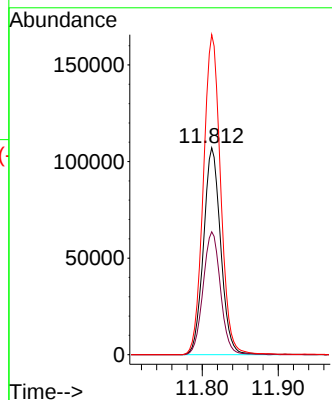
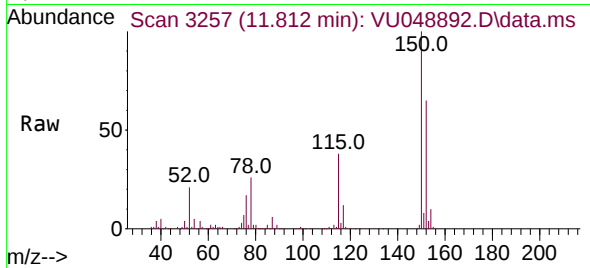




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

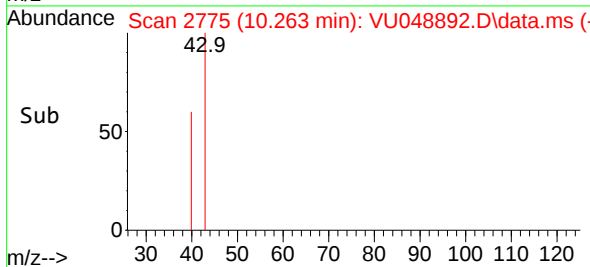
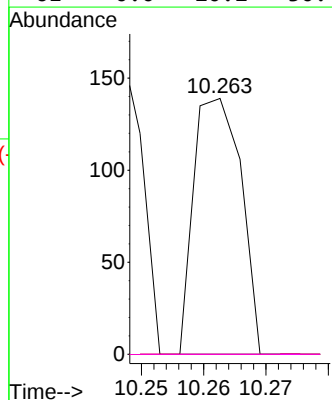
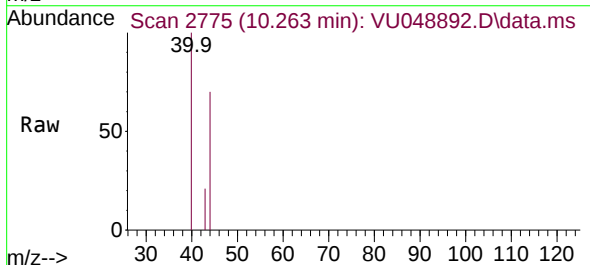
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

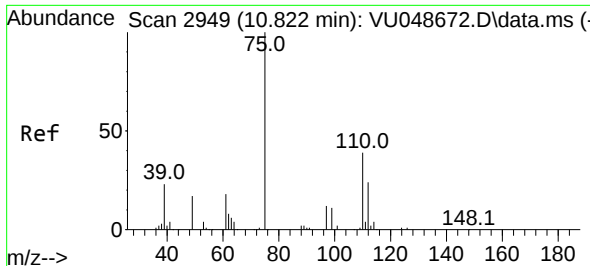
Tgt Ion:152 Resp: 167951
Ion Ratio Lower Upper
152 100
115 60.1 41.8 125.4
150 155.3 0.0 341.0



#74
N-amy1 acetate
Concen: 2.480 ug/l
RT: 10.263 min Scan# 2775
Delta R.T. -0.057 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 43 Resp: 73
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#

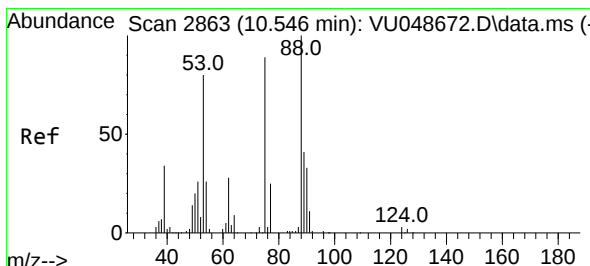
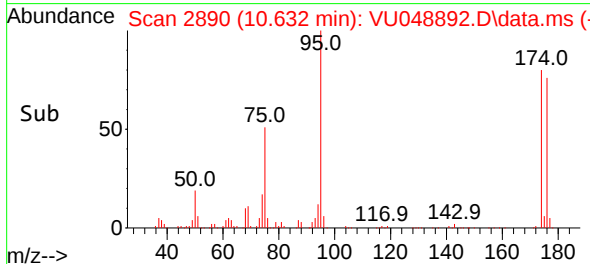
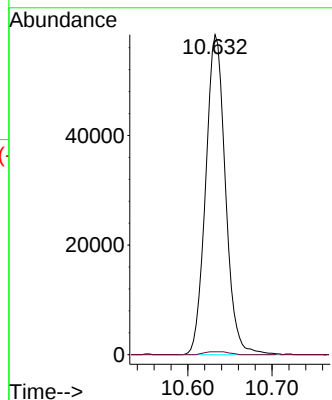
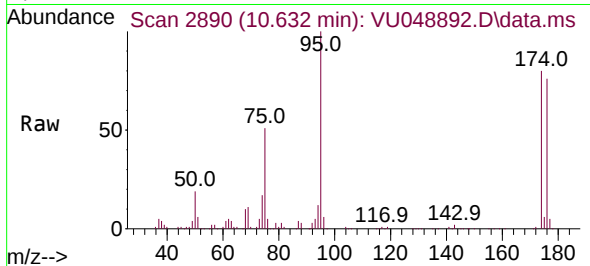




#76
1,2,3-Trichloropropane
Concen: 17.600 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

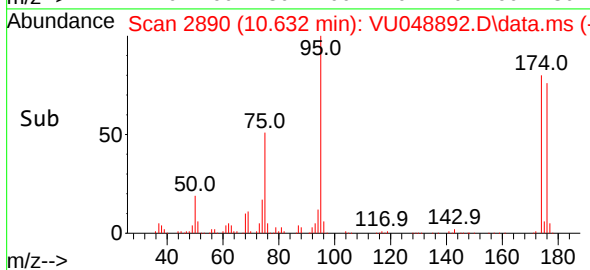
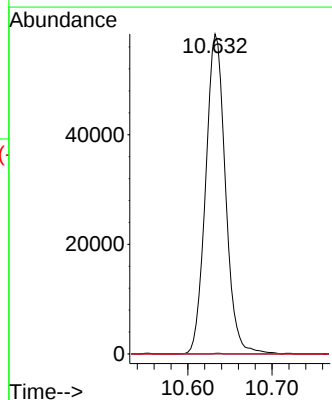
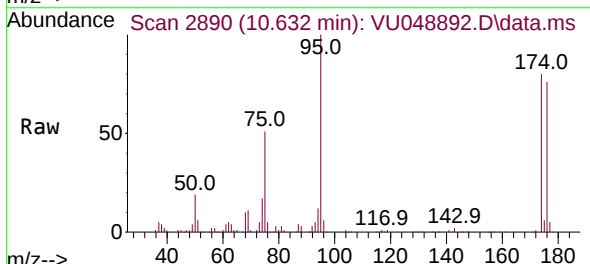
Instrument : MSVOA_U
ClientSampleId : 11-MW-1-20220601

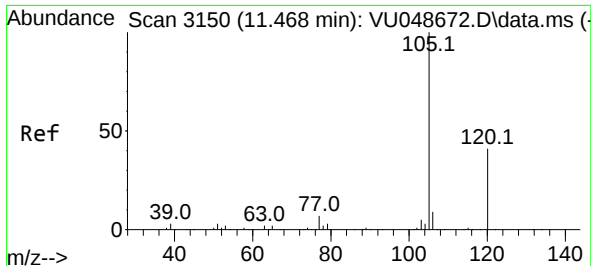
Tgt Ion: 75 Resp: 95309
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.905 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 75 Resp: 95309
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

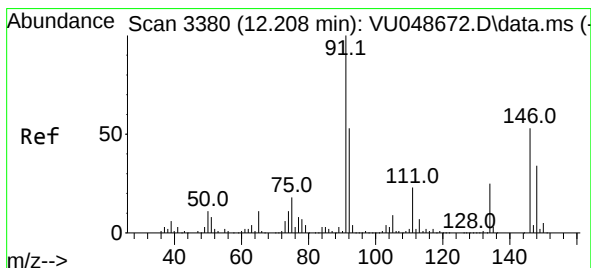
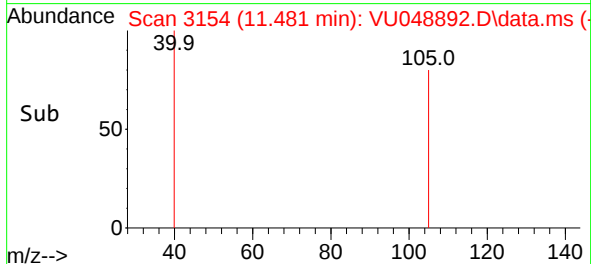
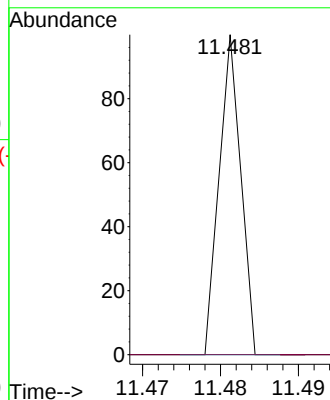
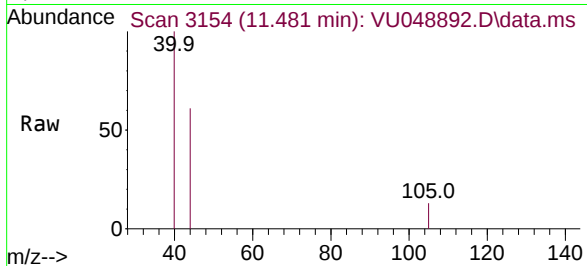




#84
1,2,4-Trimethylbenzene
Concen: 1.189 ug/l
RT: 11.481 min Scan# 3150
Delta R.T. 0.013 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

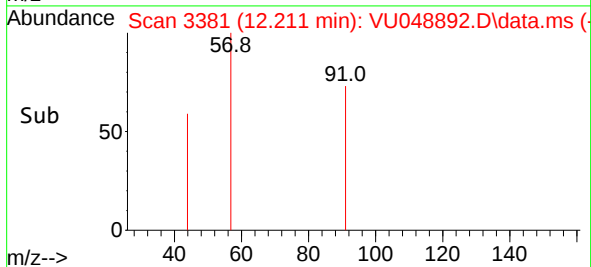
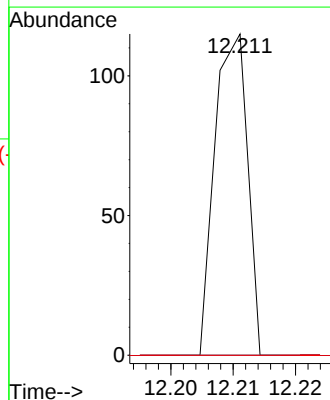
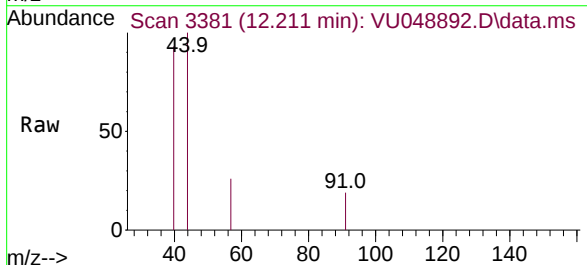
Instrument :
MSVOA_U
ClientSampleId :
11-MW-1-20220601

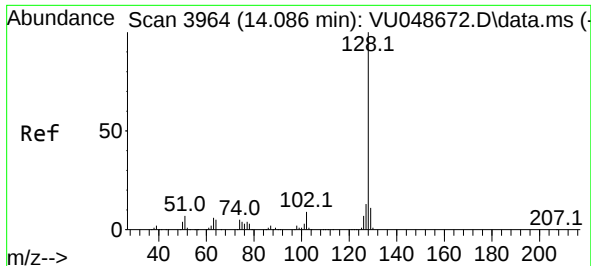
Tgt Ion:105 Resp: 19
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.189 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048892.D
Acq: 06 Jun 2022 19:03

Tgt Ion: 91 Resp: 42
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95

Naphthalene

Concen: 2.633 ug/l

RT: 14.102 min Scan# 3969

Delta R.T. 0.016 min

Lab File: VU048892.D

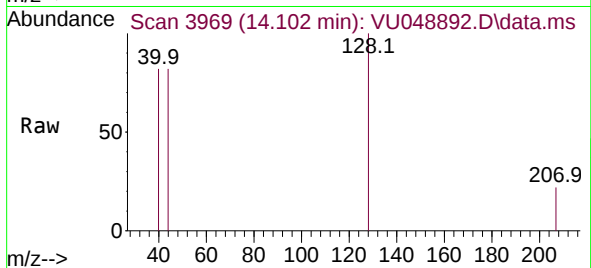
Acq: 06 Jun 2022 19:03

Instrument :

MSVOA_U

ClientSampleId :

11-MW-1-20220601



Tgt Ion:128 Resp: 1393

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.7 13.1#

