

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048696.D
 Acq On : 27 May 2022 16:15
 Operator : SY/MD
 Sample : N3056-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-11

Quant Time: May 28 00:20:30 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)

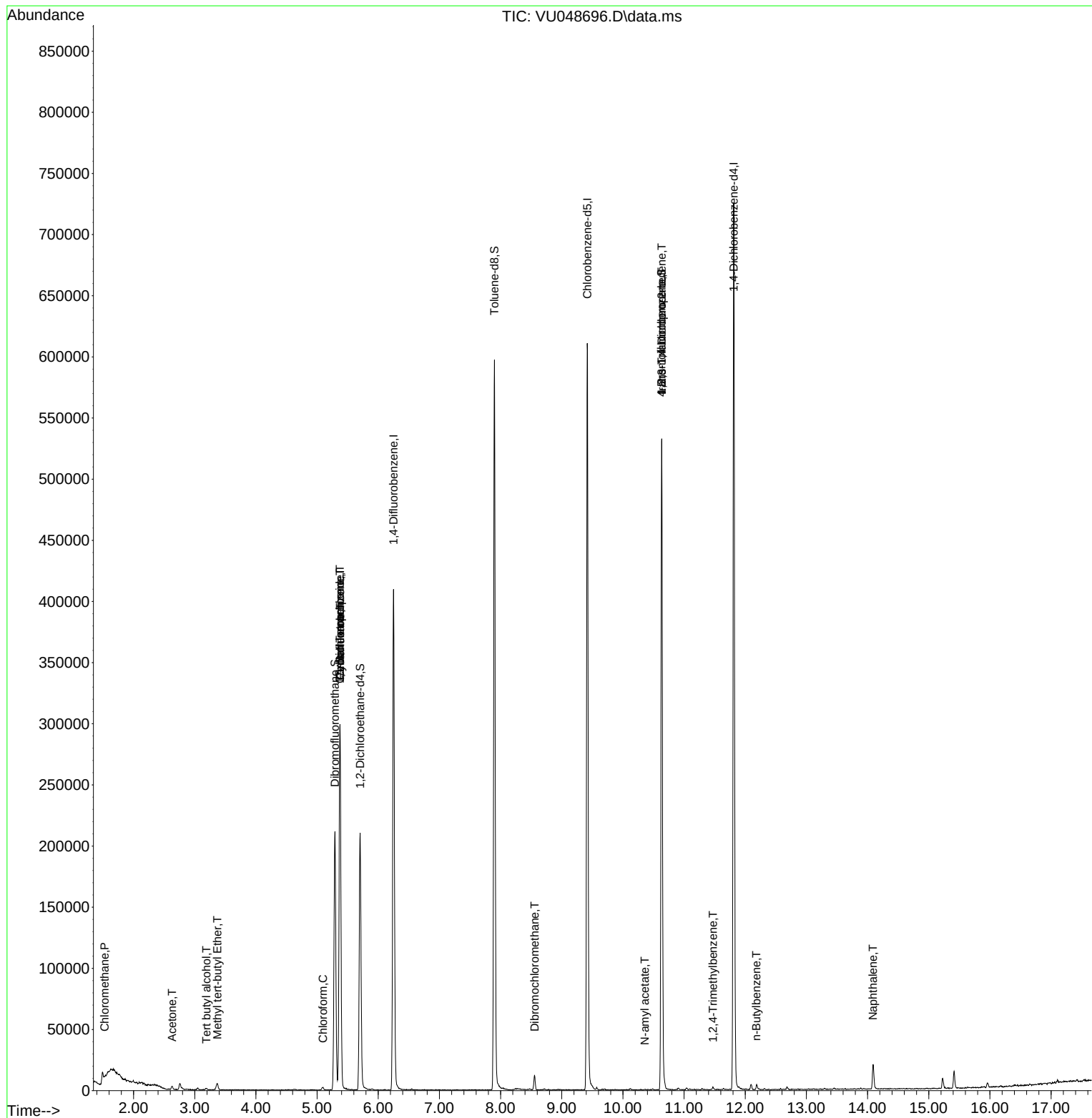
Internal Standards						
1) Pentafluorobenzene	5.375	168	204128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	335412	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	352182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	198876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	161239	52.596	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.200%	
35) Dibromofluoromethane	5.292	113	138260	57.779	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.560%	
50) Toluene-d8	7.899	98	396534	46.228	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.460%	
62) 4-Bromofluorobenzene	10.632	95	186024	57.344	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.526	50	722	0.240	ug/l	97
5) Bromomethane	1.697	94	42	Below Cal	#	3
6) Chloroethane	1.951	64	995	Below Cal	#	76
11) Tert butyl alcohol	3.192	59	567	0.730	ug/l #	28
16) Acetone	2.629	43	3069	1.964	ug/l	91
19) Methyl tert-butyl Ether	3.369	73	5990	0.760	ug/l	99
30) Chloroform	5.095	83	2351	0.504	ug/l	100
31) Cyclohexane	5.375	56	4920	1.273	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	16192	4.636	ug/l #	50
38) Carbon Tetrachloride	5.372	117	21117	5.270	ug/l #	18
60) Dibromochloromethane	8.558	129	2683	0.879	ug/l #	11
64) Tetrachloroethene	8.558	164	2535	Below Cal	#	87
74) N-amyl acetate	10.359	43	22	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.635	75	94378	14.718	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.635	75	94378	53.441	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	1544	1.312	ug/l	95
89) n-Butylbenzene	12.182	91	397	2.218	ug/l #	1
95) Naphthalene	14.089	128	19286	3.702	ug/l	98

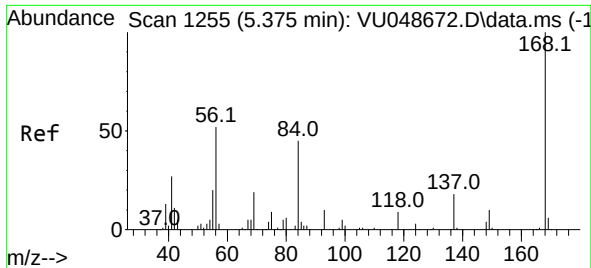
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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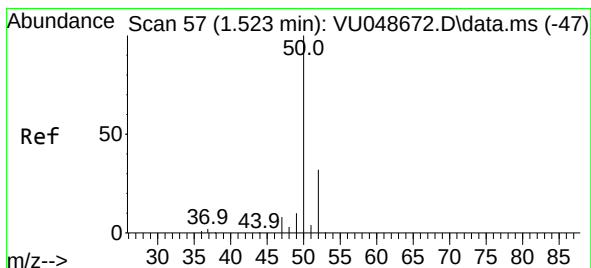
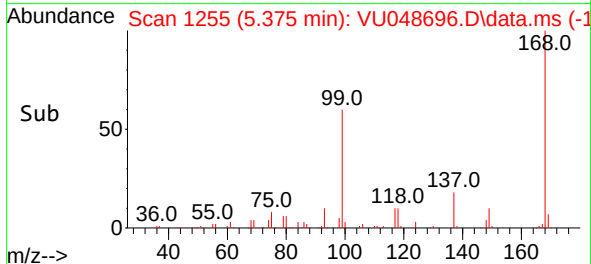
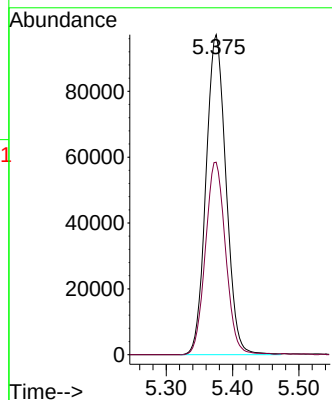
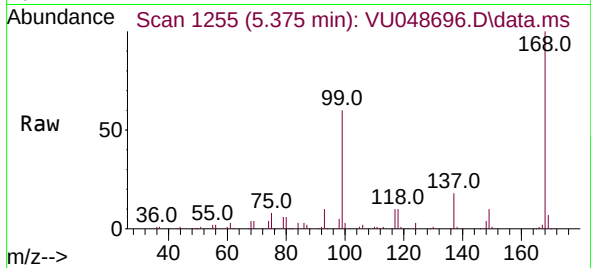




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

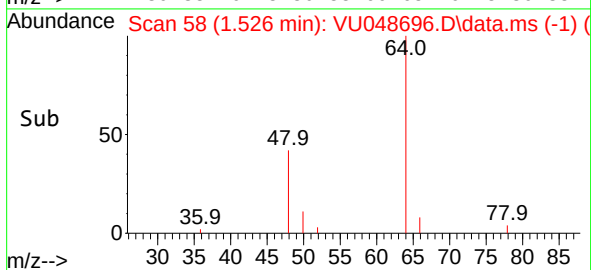
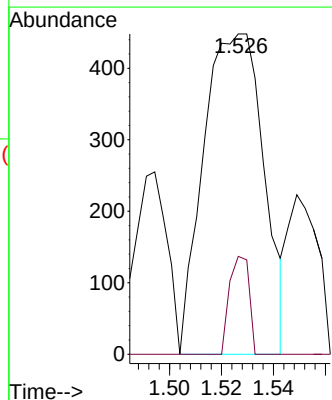
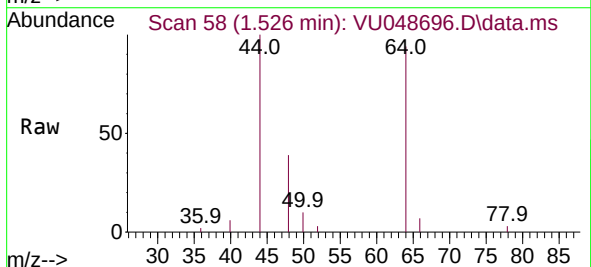
Instrument :
MSVOA_U
ClientSampleId :
MW-11

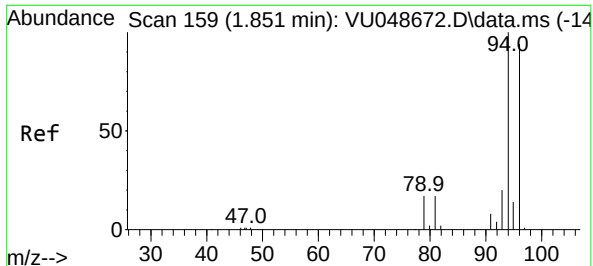
Tgt Ion:168 Resp: 204128
Ion Ratio Lower Upper
168 100
99 60.2 49.3 73.9



#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

Tgt Ion: 50 Resp: 722
Ion Ratio Lower Upper
50 100
52 30.6 25.7 38.5

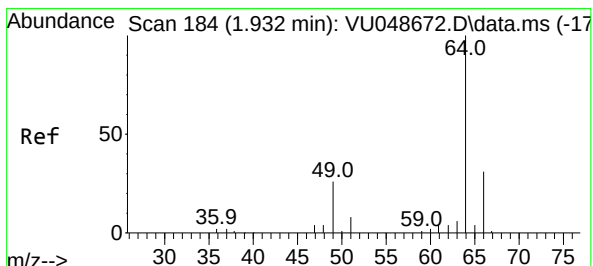
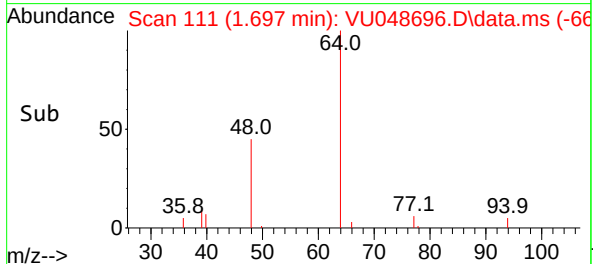
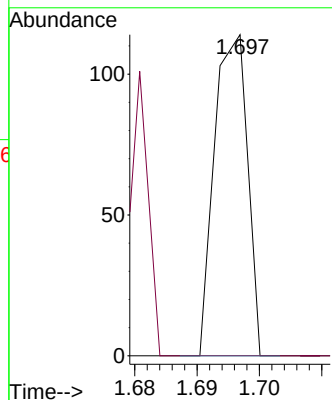
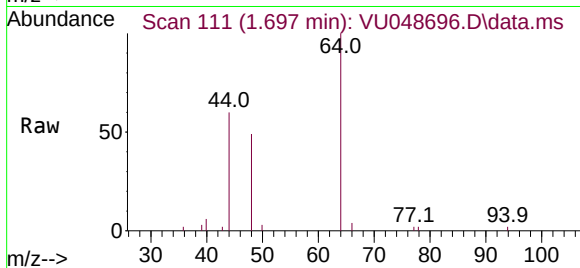




#5
Bromomethane
Concen: Below Cal
RT: 1.697 min Scan# 111
Delta R.T. -0.154 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

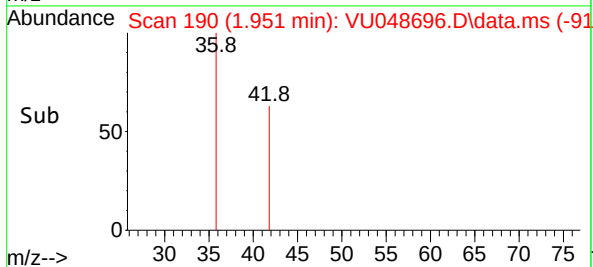
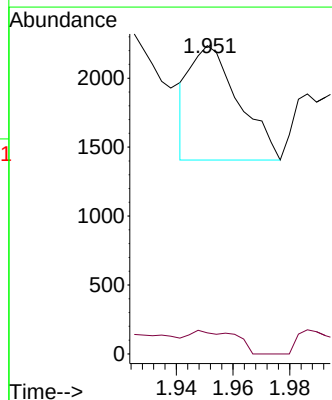
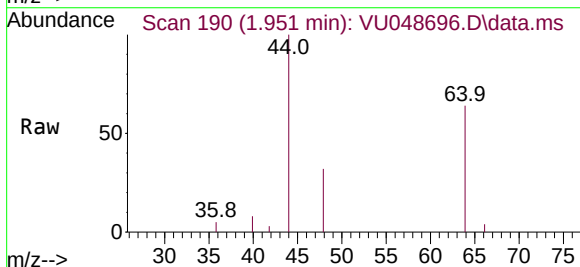
Instrument :
MSVOA_U
ClientSampleId :
MW-11

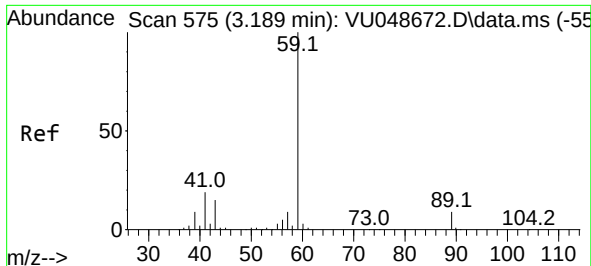
Tgt Ion: 94 Resp: 42
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 190
Delta R.T. 0.019 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

Tgt Ion: 64 Resp: 995
Ion Ratio Lower Upper
64 100
66 18.4 25.2 37.8#





#11

Tert butyl alcohol

Concen: 0.730 ug/l

RT: 3.192 min Scan# 51

Delta R.T. 0.003 min

Lab File: VU048696.D

Acq: 27 May 2022 16:15

Instrument :

MSVOA_U

ClientSampleId :

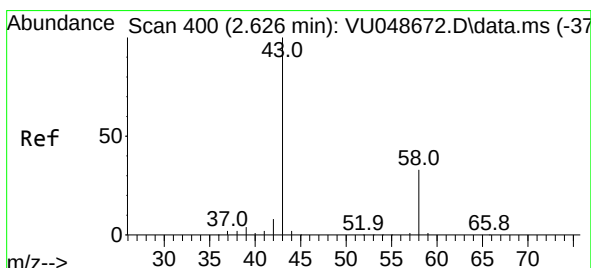
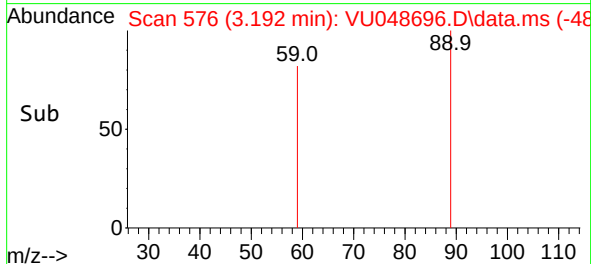
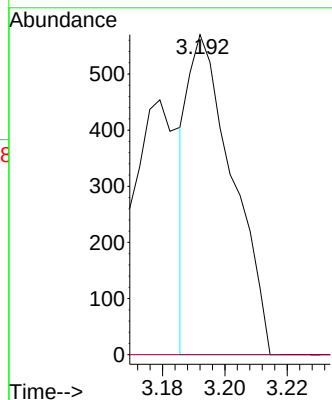
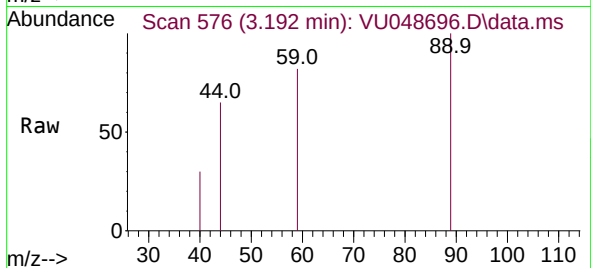
MW-11

Tgt Ion: 59 Resp: 567

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#



#16

Acetone

Concen: 1.964 ug/l

RT: 2.629 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU048696.D

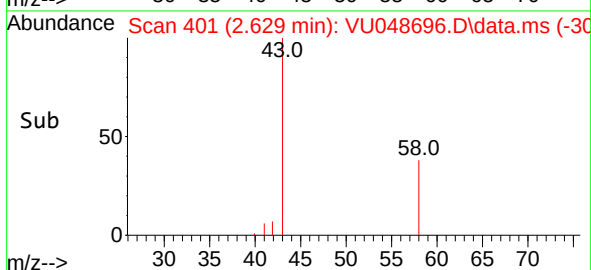
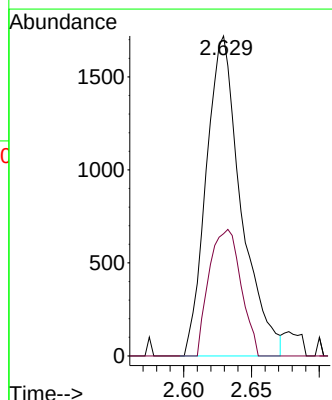
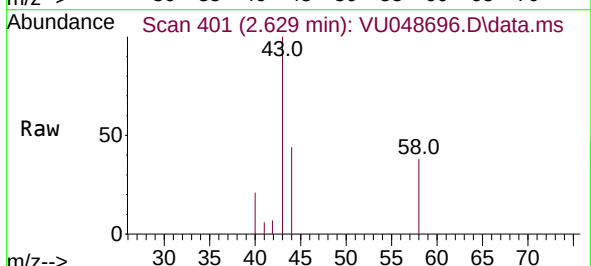
Acq: 27 May 2022 16:15

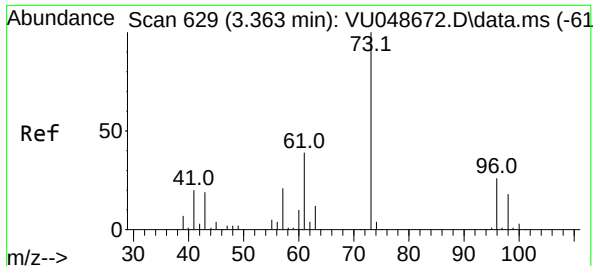
Tgt Ion: 43 Resp: 3069

Ion Ratio Lower Upper

43 100

58 38.2 26.3 39.5





#19

Methyl tert-butyl Ether

Concen: 0.760 ug/l

RT: 3.369 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU048696.D

Acq: 27 May 2022 16:15

Instrument :

MSVOA_U

ClientSampleId :

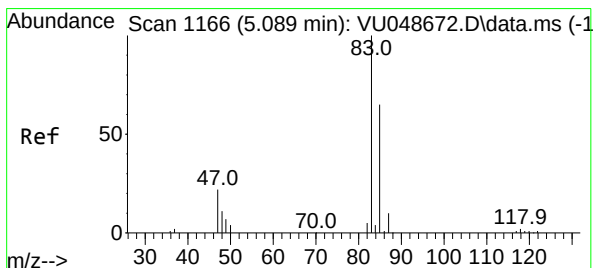
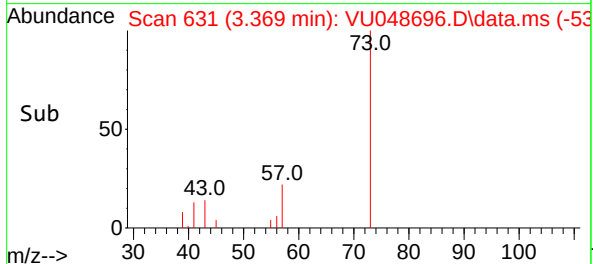
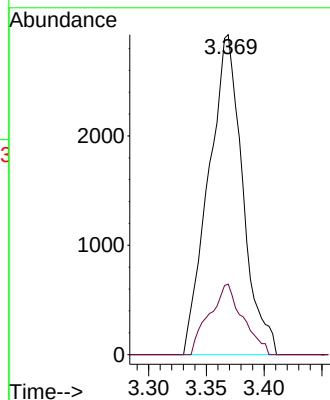
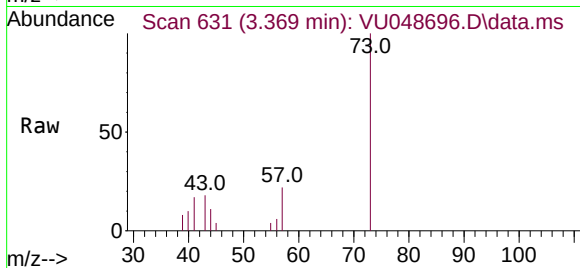
MW-11

Tgt Ion: 73 Resp: 5990

Ion Ratio Lower Upper

73 100

57 22.0 17.1 25.7



#30

Chloroform

Concen: 0.504 ug/l

RT: 5.095 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VU048696.D

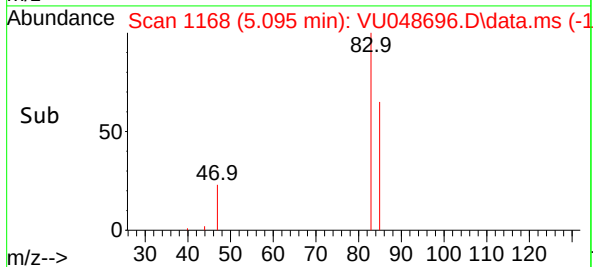
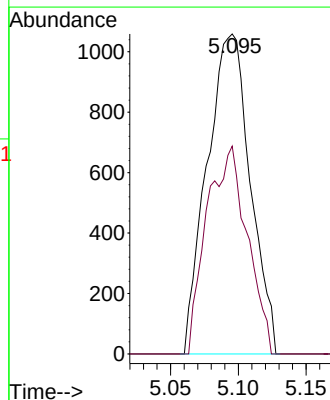
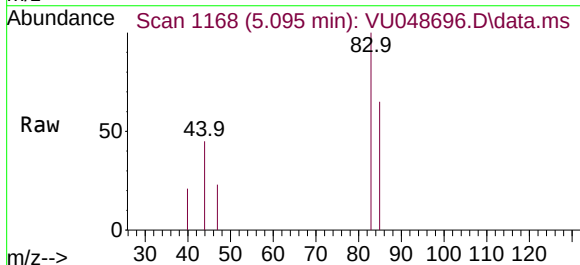
Acq: 27 May 2022 16:15

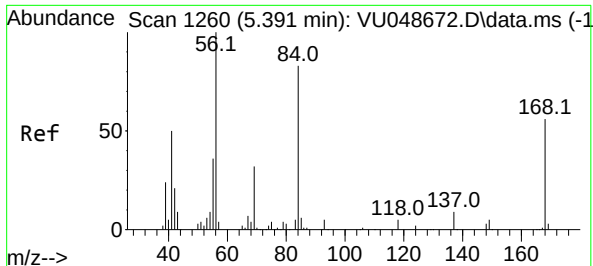
Tgt Ion: 83 Resp: 2351

Ion Ratio Lower Upper

83 100

85 65.0 52.2 78.2





#31

Cyclohexane

Concen: 1.273 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.016 min

Lab File: VU048696.D

Acq: 27 May 2022 16:15

Instrument :

MSVOA_U

ClientSampleId :

MW-11

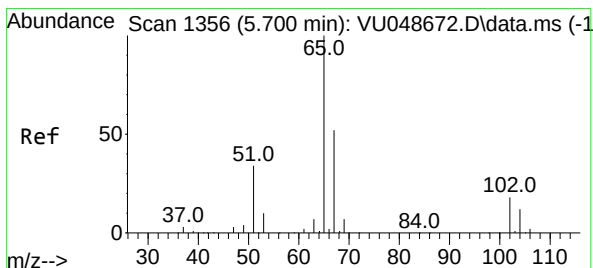
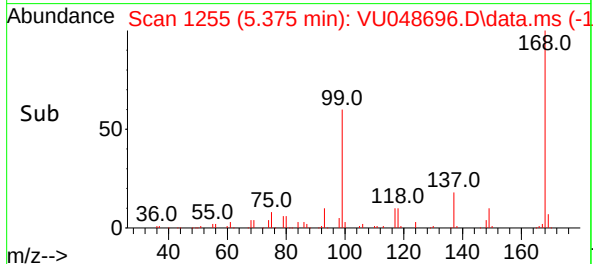
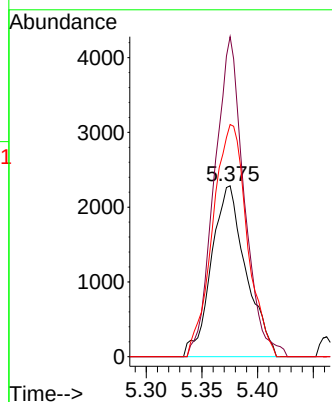
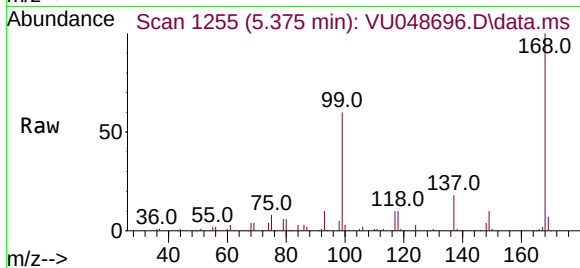
Tgt Ion: 56 Resp: 4920

Ion Ratio Lower Upper

56 100

69 187.3 25.6 38.4#

84 135.9 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 52.596 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU048696.D

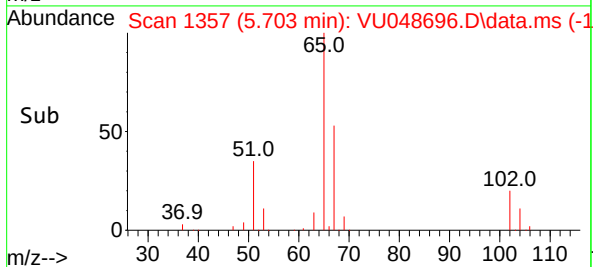
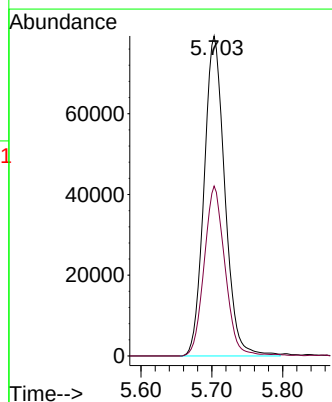
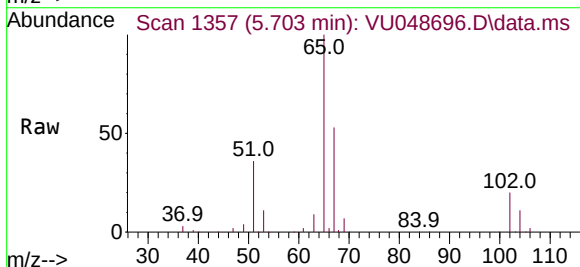
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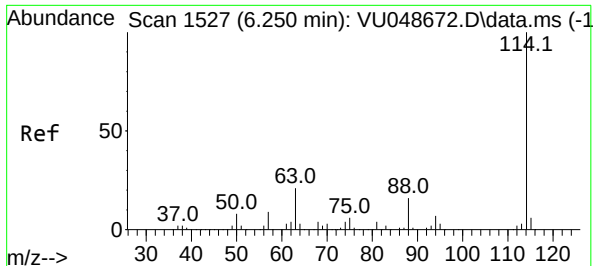
Tgt Ion: 65 Resp: 161239

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048696.D

Acq: 27 May 2022 16:15

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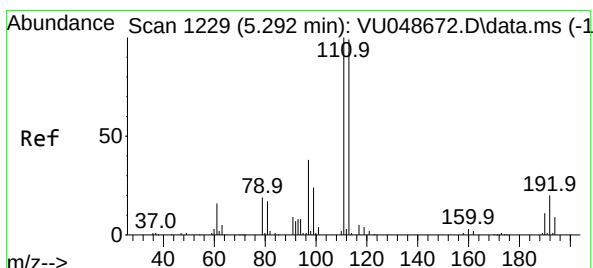
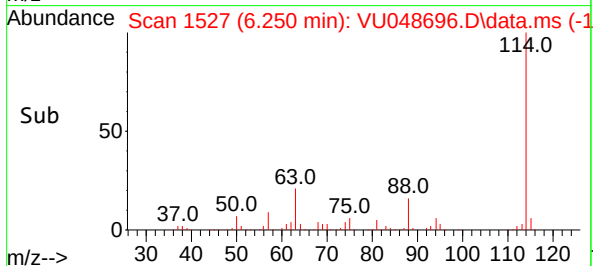
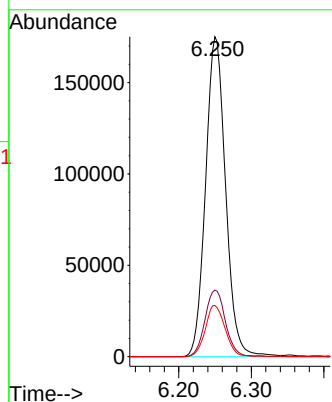
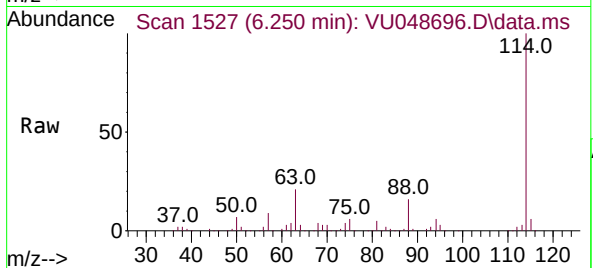
Tgt Ion:114 Resp: 335412

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 16.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.779 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU048696.D

Acq: 27 May 2022 16:15

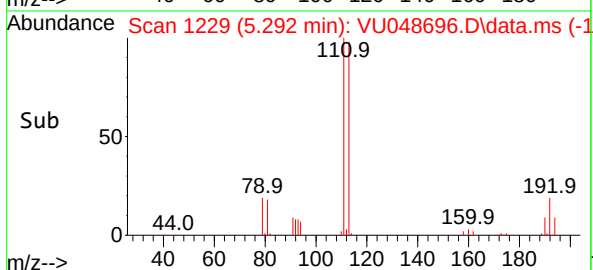
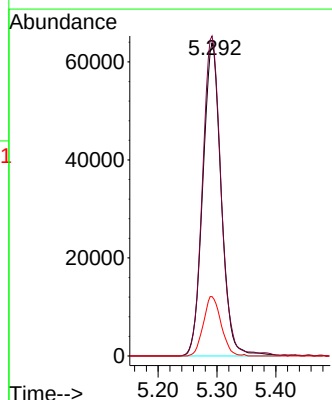
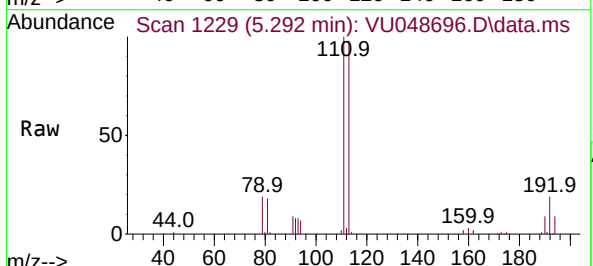
Tgt Ion:113 Resp: 138260

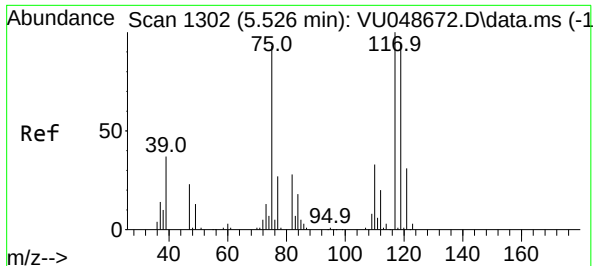
Ion Ratio Lower Upper

113 100

111 102.6 80.7 121.1

192 18.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.636 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.154 min

Lab File: VU048696.D

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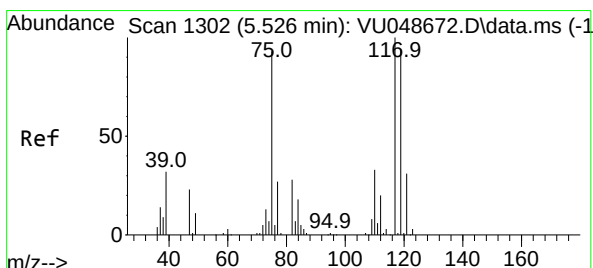
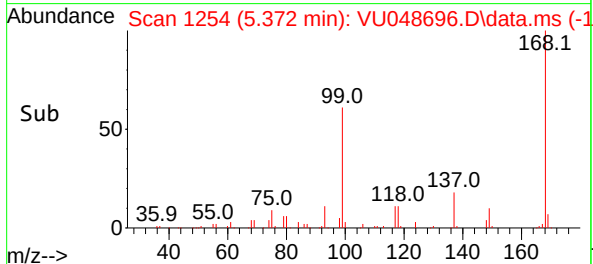
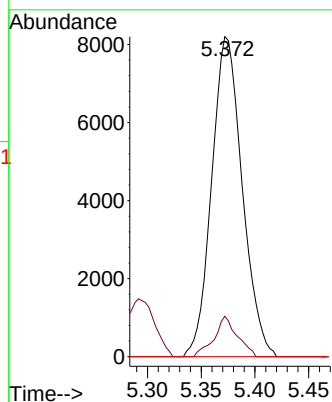
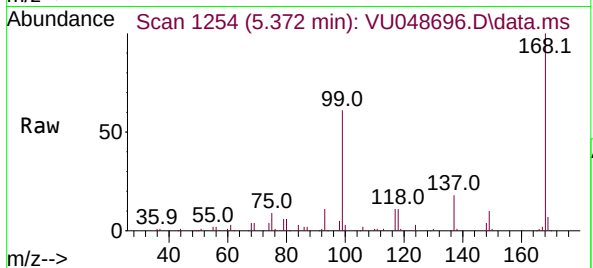
Tgt Ion: 75 Resp: 16192

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.270 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048696.D

Acq: 27 May 2022 16:15

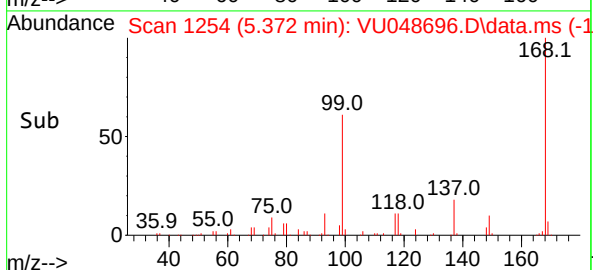
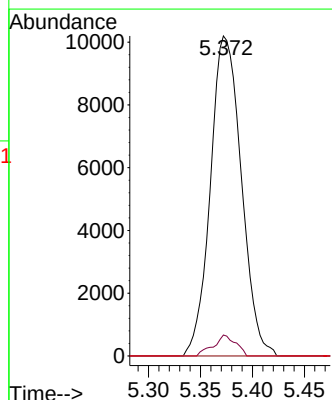
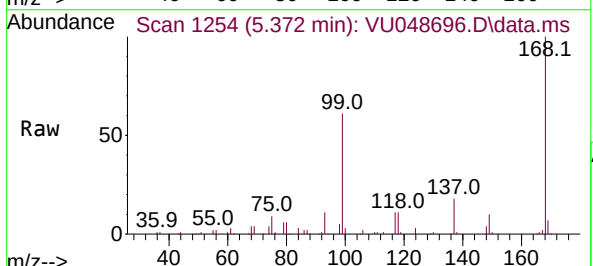
Tgt Ion: 117 Resp: 21117

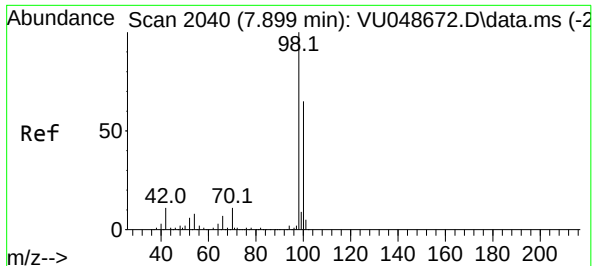
Ion Ratio Lower Upper

117 100

119 6.5 75.4 113.2#

121 0.0 24.6 36.8#

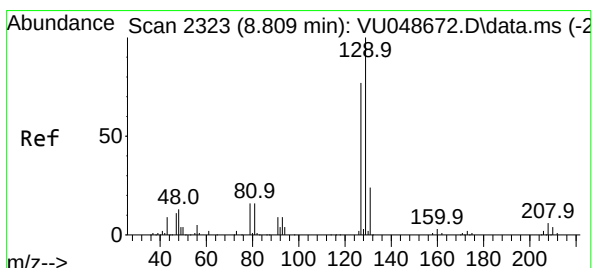
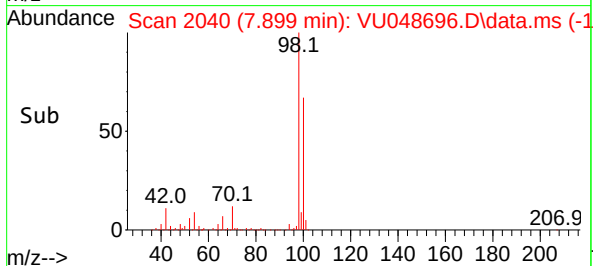
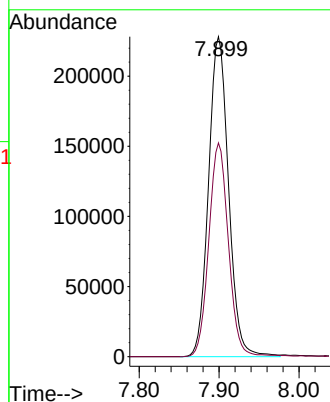
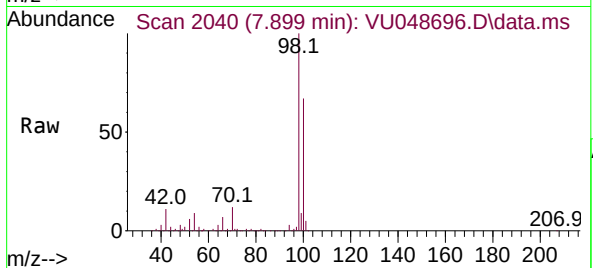




#50
Toluene-d8
Concen: 46.228 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

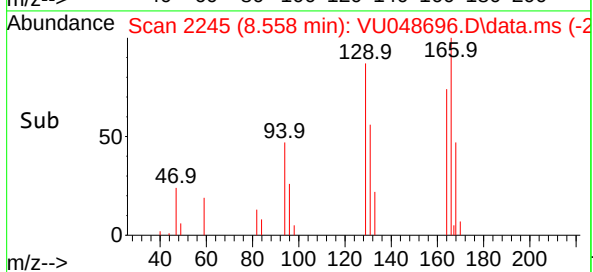
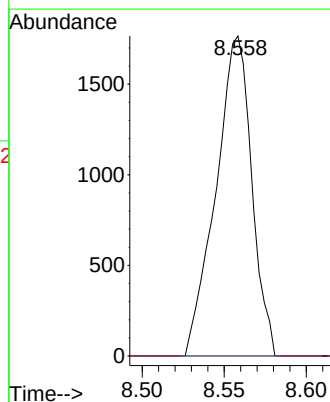
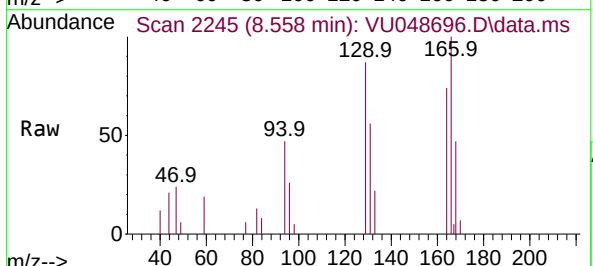
Instrument :
MSVOA_U
ClientSampleId :
MW-11

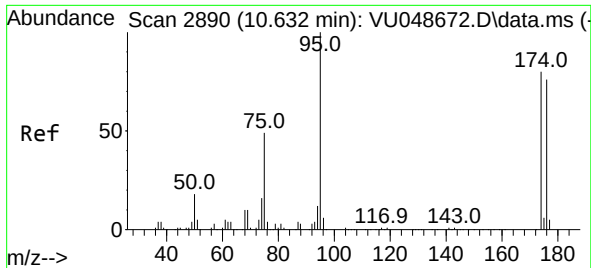
Tgt Ion: 98 Resp: 396534
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



#60
Dibromochloromethane
Concen: 0.879 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. -0.251 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

Tgt Ion: 129 Resp: 2683
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

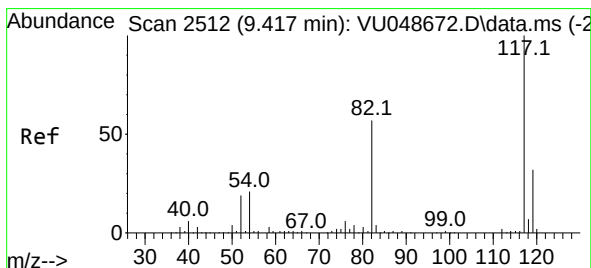
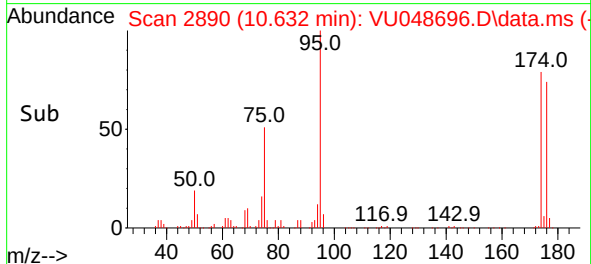
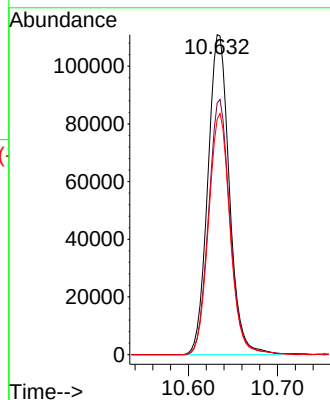
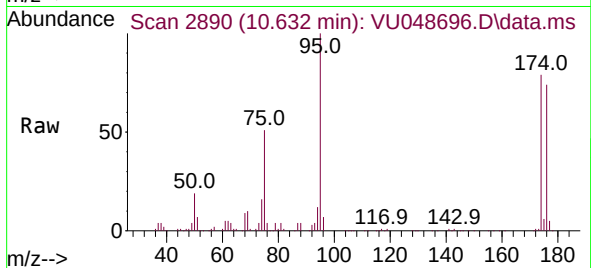




#62
4-Bromofluorobenzene
Concen: 57.344 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

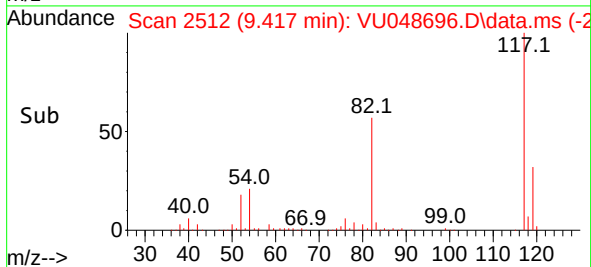
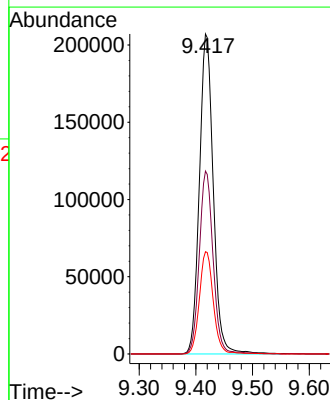
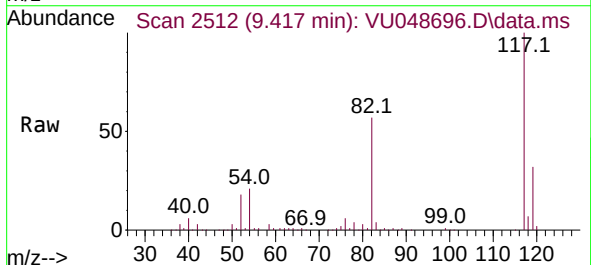
Instrument :
MSVOA_U
ClientSampleId :
MW-11

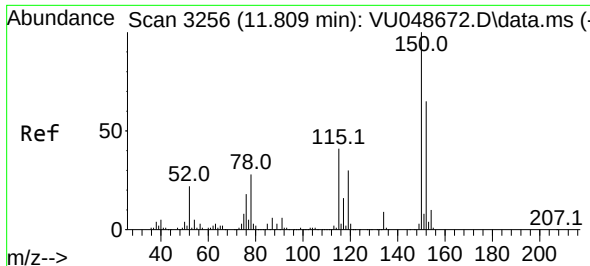
Tgt Ion: 95 Resp: 186024
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.4
176 75.5 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

Tgt Ion: 117 Resp: 352182
Ion Ratio Lower Upper
117 100
82 57.1 45.3 67.9
119 31.9 25.4 38.2

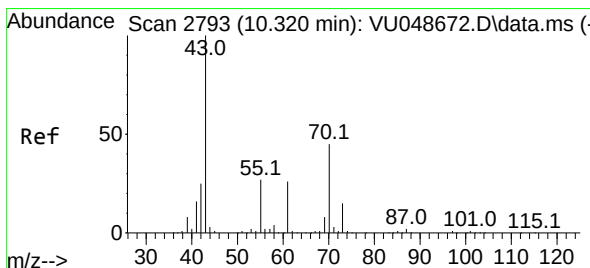
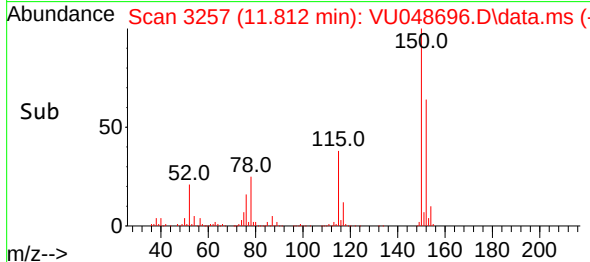
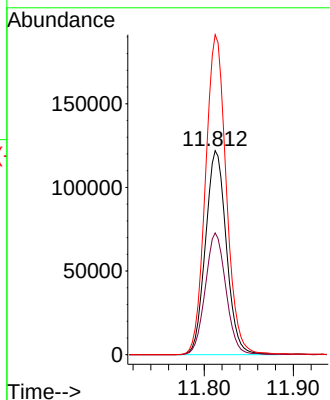
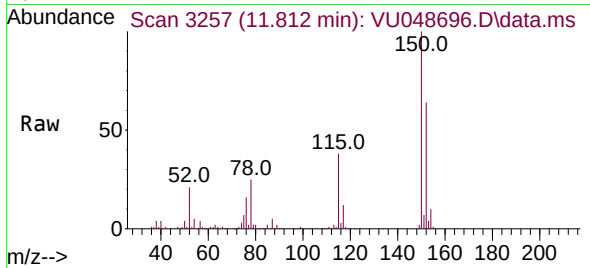




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

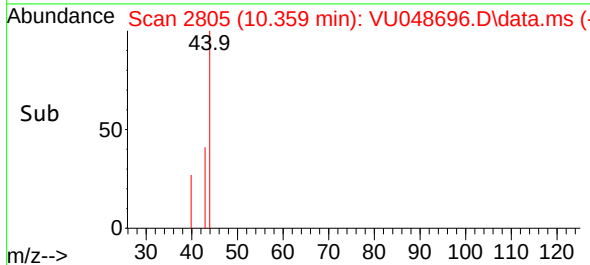
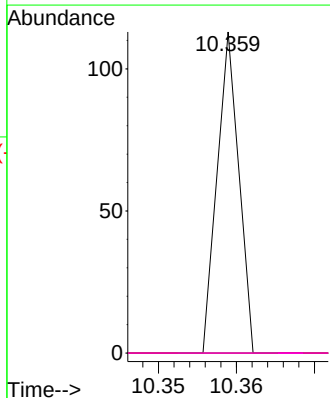
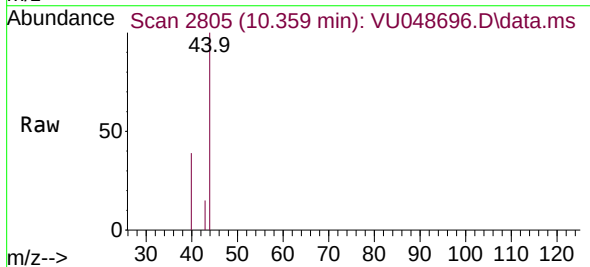
Instrument :
MSVOA_U
ClientSampleId :
MW-11

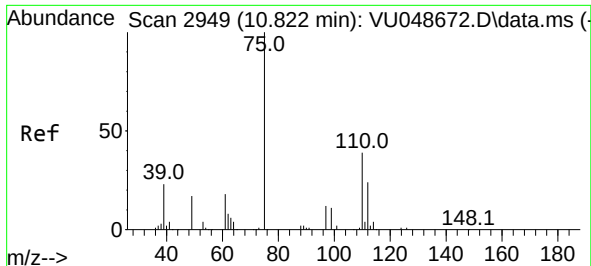
Tgt Ion:152 Resp: 198876
Ion Ratio Lower Upper
152 100
115 59.1 41.8 125.4
150 155.8 0.0 341.0



#74
N-ethyl acetate
Concen: 2.470 ug/l
RT: 10.359 min Scan# 2805
Delta R.T. 0.039 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

Tgt Ion: 43 Resp: 22
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#

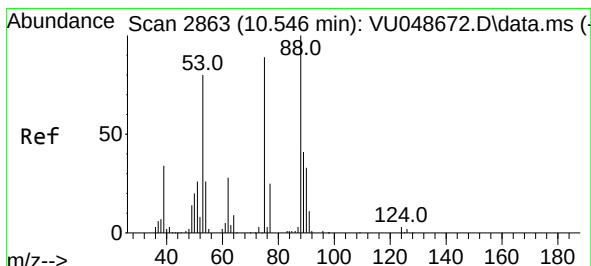
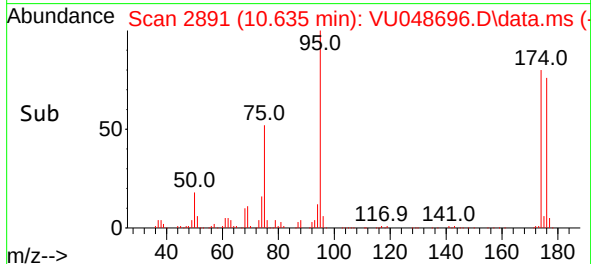
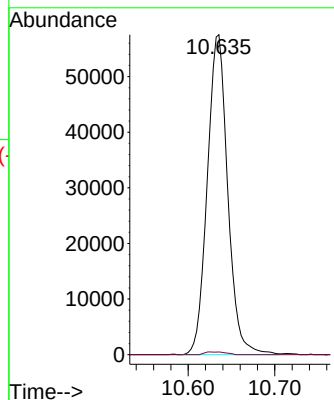
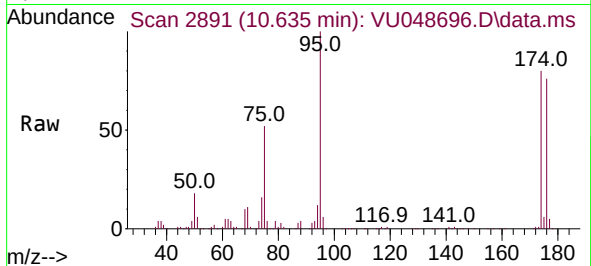




#76
1,2,3-Trichloropropane
Concen: 14.718 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.187 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

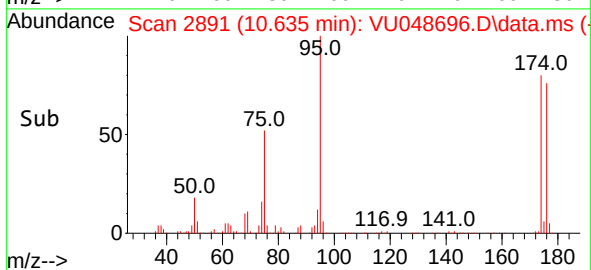
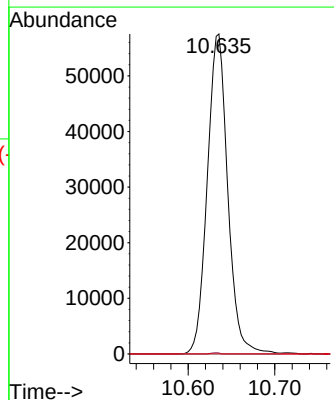
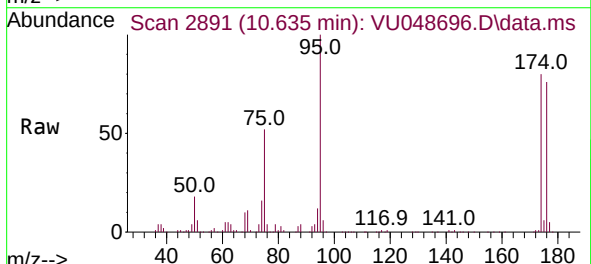
Instrument :
MSVOA_U
ClientSampleId :
MW-11

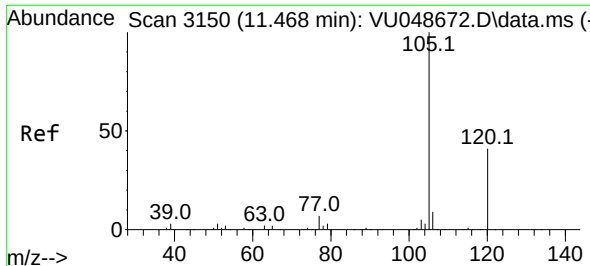
Tgt Ion: 75 Resp: 94378
Ion Ratio Lower Upper
75 100
77 0.9 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.441 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.090 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

Tgt Ion: 75 Resp: 94378
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

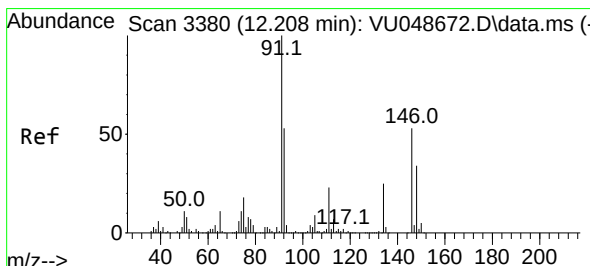
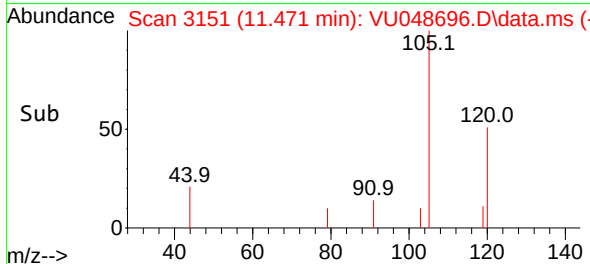
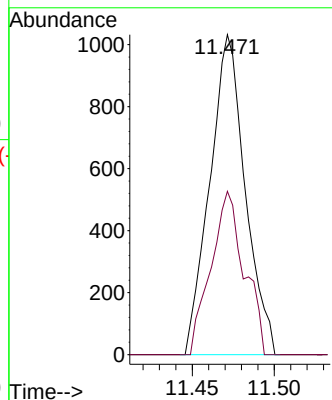
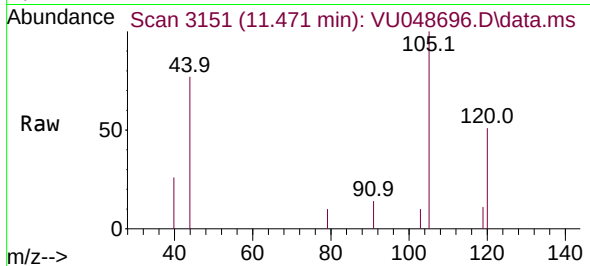




#84
1,2,4-Trimethylbenzene
Concen: 1.312 ug/l
RT: 11.471 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

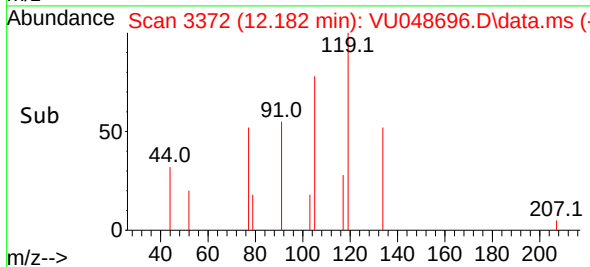
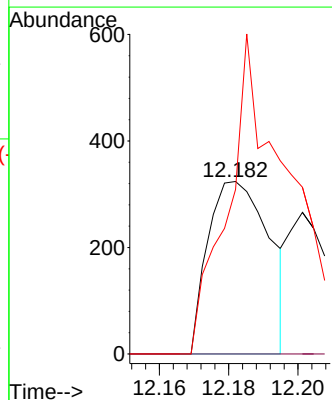
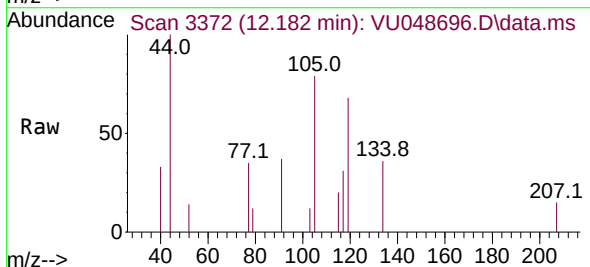
Instrument :
MSVOA_U
ClientSampleId :
MW-11

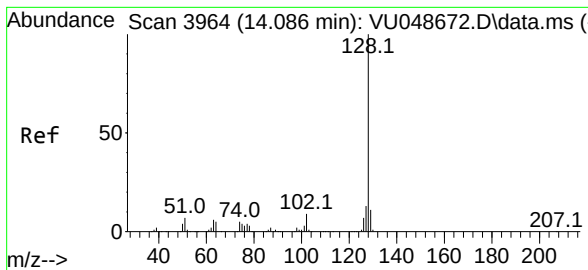
Tgt Ion:105 Resp: 1544
Ion Ratio Lower Upper
105 100
120 48.1 22.5 67.5



#89
n-Butylbenzene
Concen: 2.218 ug/l
RT: 12.182 min Scan# 3372
Delta R.T. -0.026 min
Lab File: VU048696.D
Acq: 27 May 2022 16:15

Tgt Ion: 91 Resp: 397
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 178.3 12.5 37.5#





#95
 Naphthalene
 Concen: 3.702 ug/l
 RT: 14.089 min Scan# 3965
 Delta R.T. 0.003 min
 Lab File: VU048696.D
 Acq: 27 May 2022 16:15

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-11

Tgt Ion:	128	Resp:	19286
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	9.8	8.7	13.1

