

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048687.D
 Acq On : 27 May 2022 12:43
 Operator : SY/MD
 Sample : N3064-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

Quant Time: May 28 00:17:20 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)

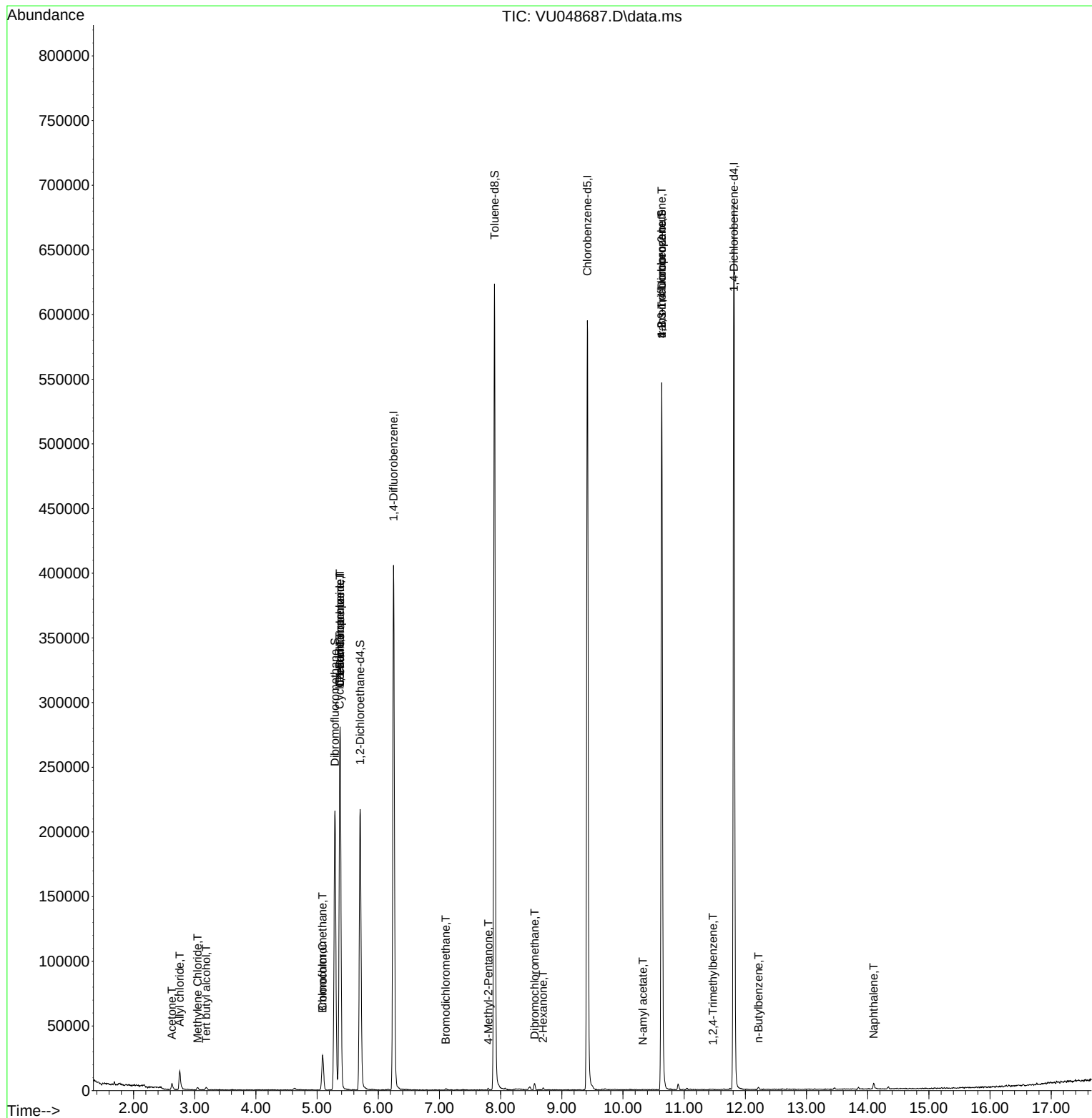
Internal Standards						
1) Pentafluorobenzene	5.375	168	194651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	325906	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	339891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	185687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	168792	57.741	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.480%			
35) Dibromofluoromethane	5.292	113	141076	60.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.360%			
50) Toluene-d8	7.900	98	418373	50.197	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.400%			
62) 4-Bromofluorobenzene	10.633	95	183377	58.177	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.360%			
Target Compounds					Qvalue	
5) Bromomethane	1.755	94	20	Below Cal	#	3
6) Chloroethane	1.919	64	200	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	1371	1.850	ug/l #	28
13) Acrolein	2.479	56	20	Below Cal	#	1
14) Allyl chloride	2.755	41	1697	0.442	ug/l #	79
16) Acetone	2.626	43	5429	3.644	ug/l	99
20) Methylene Chloride	3.048	84	777	0.307	ug/l #	93
28) Bromochloromethane	5.086	49	1953	1.120	ug/l #	13
30) Chloroform	5.089	83	24561	5.522	ug/l	99
31) Cyclohexane	5.369	56	4130	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	16095	4.743	ug/l #	50
38) Carbon Tetrachloride	5.372	117	20688	5.314	ug/l #	17
47) Bromodichloromethane	7.102	83	874	0.229	ug/l #	77
51) 4-Methyl-2-Pentanone	7.800	43	993	0.246	ug/l #	34
59) 2-Hexanone	8.694	43	1293	0.390	ug/l	84
60) Dibromochloromethane	8.555	129	1298	0.438	ug/l #	11
64) Tetrachloroethene	8.552	164	1066	Below Cal	#	85
74) N-amyl acetate	10.324	43	70	2.478	ug/l #	38
76) 1,2,3-Trichloropropane	10.633	75	94749	15.826	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.633	75	94749	57.461	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	333	1.216	ug/l #	31
89) n-Butylbenzene	12.214	91	1072	2.281	ug/l #	72
95) Naphthalene	14.095	128	4960	2.855	ug/l #	94

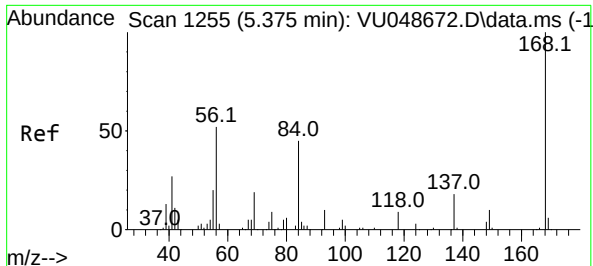
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 27 06:42:31 2022
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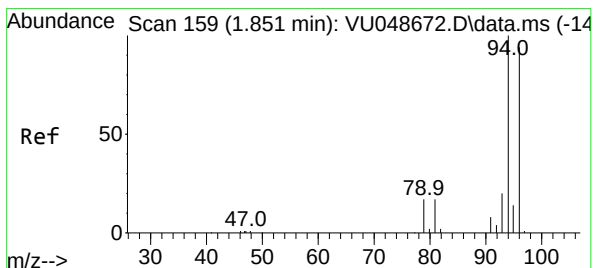
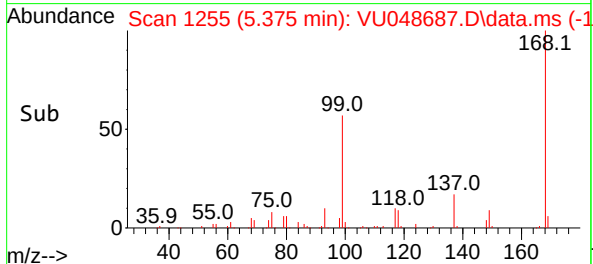
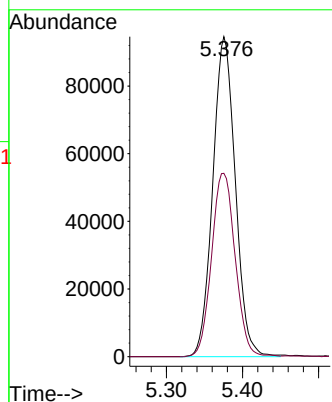
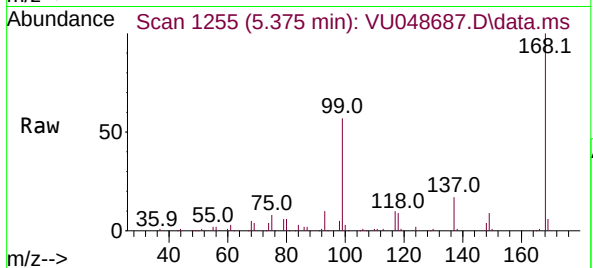




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

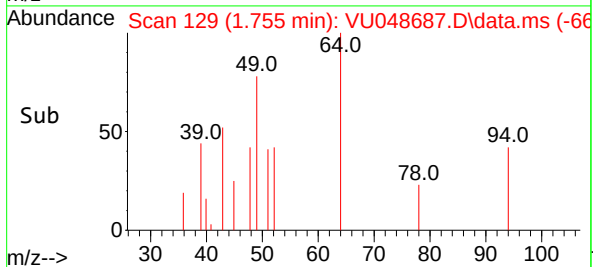
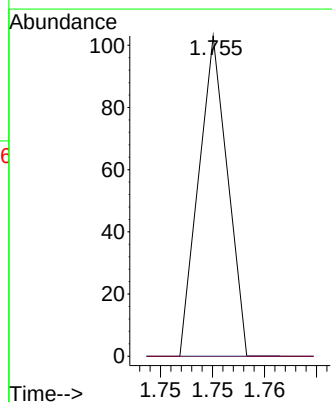
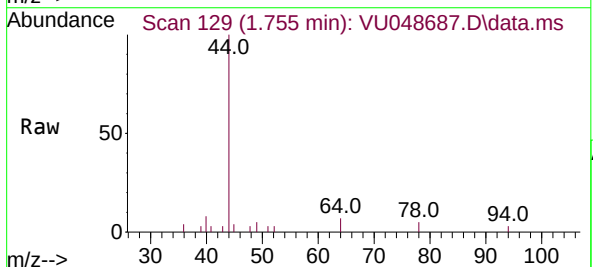
Instrument :
MSVOA_U
ClientSampleId :
MW-1

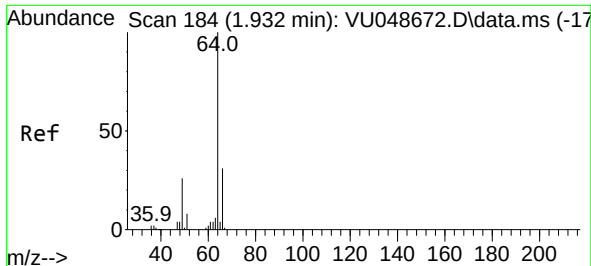
Tgt Ion:168 Resp: 194651
Ion Ratio Lower Upper
168 100
99 57.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.755 min Scan# 129
Delta R.T. -0.096 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

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

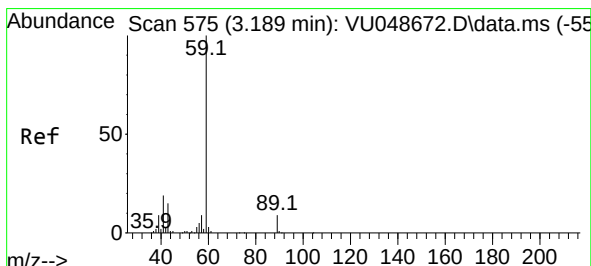
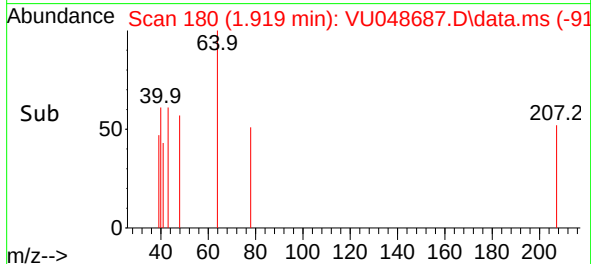
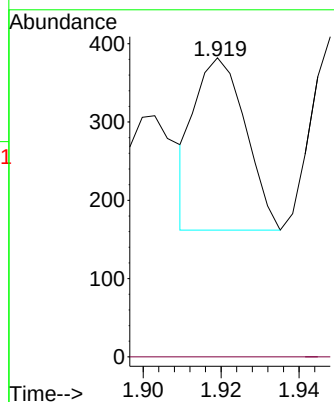
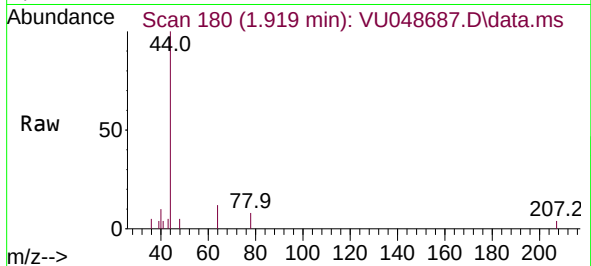




#6
Chloroethane
Concen: Below Cal
RT: 1.919 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

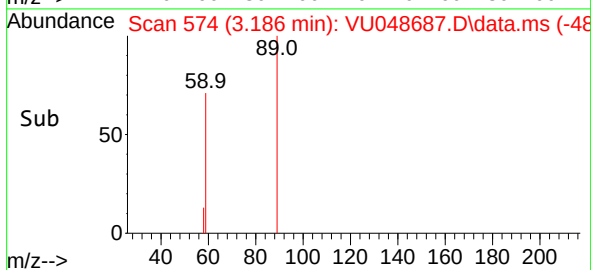
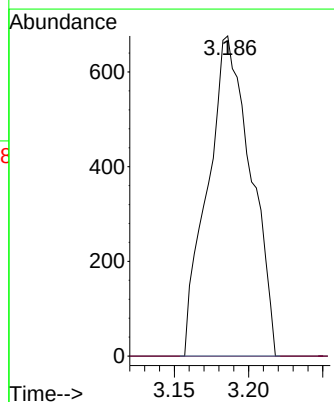
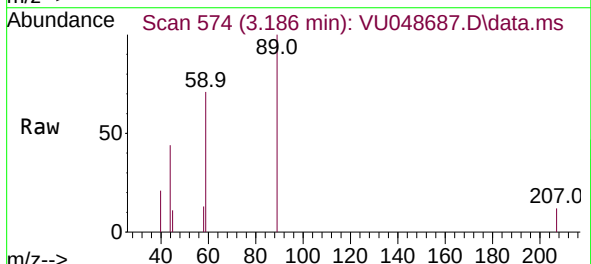
Instrument :
MSVOA_U
ClientSampleId :
MW-1

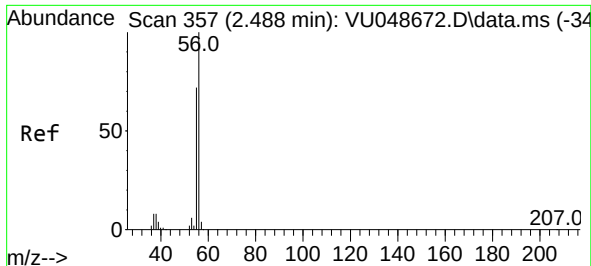
Tgt Ion: 64 Resp: 200
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 1.850 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

Tgt Ion: 59 Resp: 1371
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

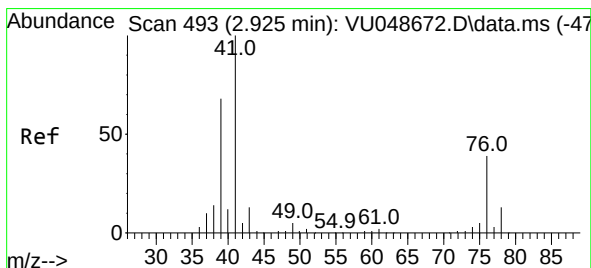
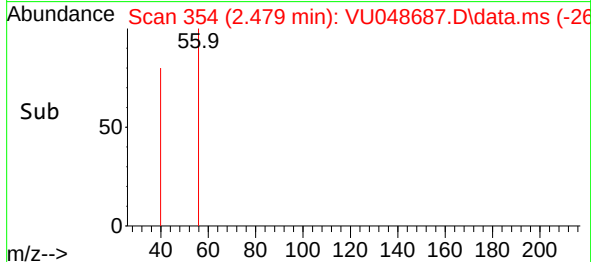
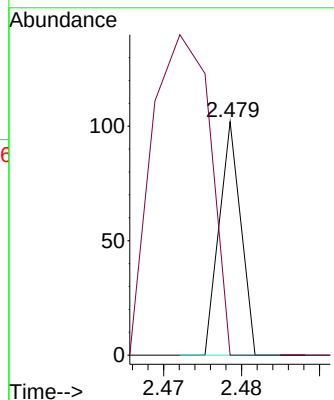
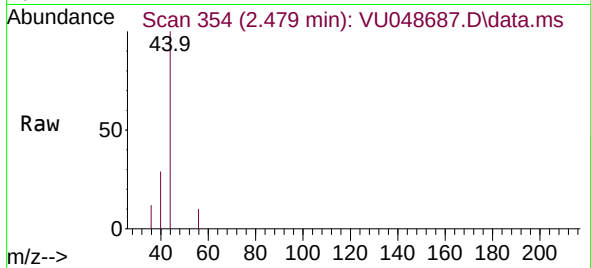




#13
Acrolein
Concen: Below Cal
RT: 2.479 min Scan# 31
Delta R.T. -0.009 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

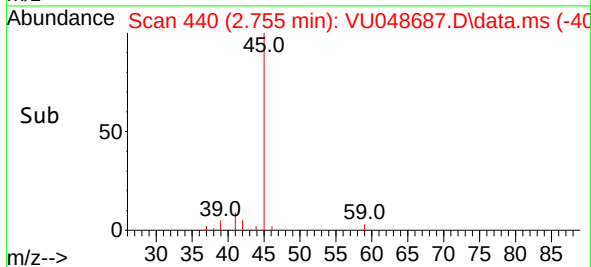
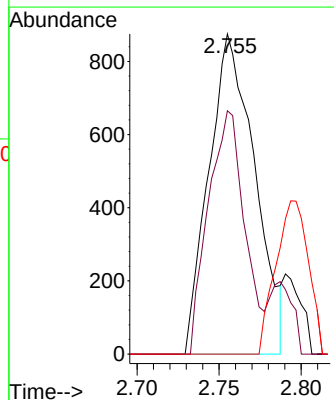
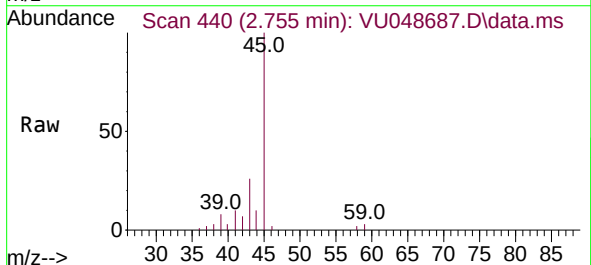
Instrument :
MSVOA_U
ClientSampleId :
MW-1

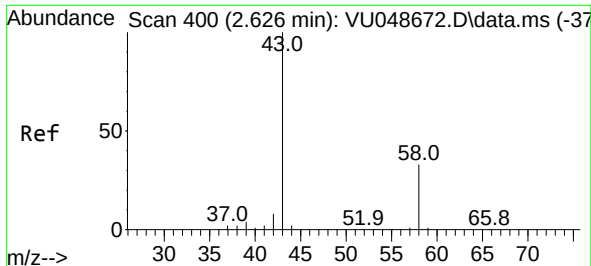
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 360.0 57.7 86.5#



#14
Allyl chloride
Concen: 0.442 ug/l
RT: 2.755 min Scan# 440
Delta R.T. -0.170 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

Tgt Ion: 41 Resp: 1697
Ion Ratio Lower Upper
41 100
39 60.6 48.6 72.8
76 0.0 27.0 40.4#





#16

Acetone

Concen: 3.644 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU048687.D

Acq: 27 May 2022 12:43

Instrument :

MSVOA_U

ClientSampleId :

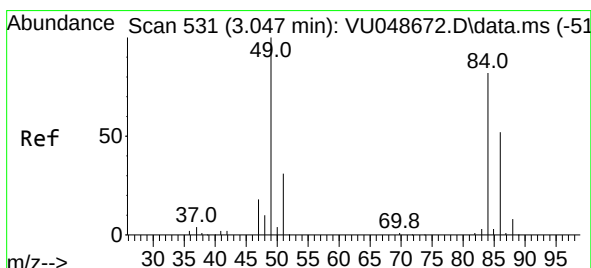
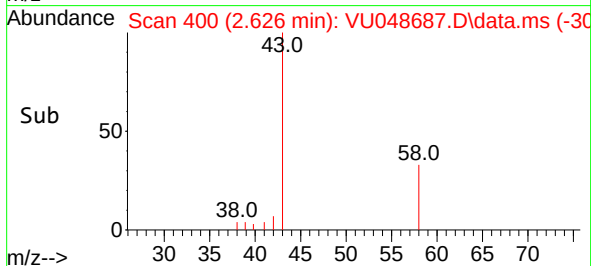
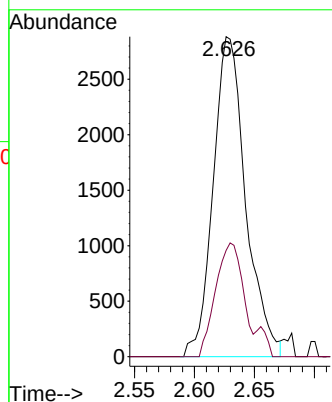
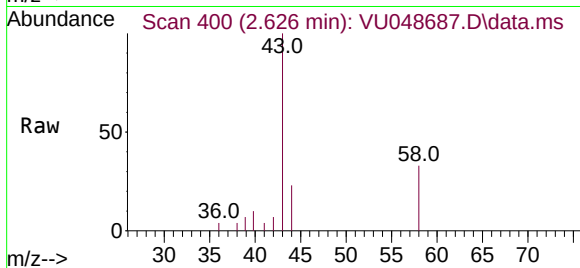
MW-1

Tgt Ion: 43 Resp: 5429

Ion Ratio Lower Upper

43 100

58 33.2 26.3 39.5



#20

Methylene Chloride

Concen: 0.307 ug/l

RT: 3.048 min Scan# 531

Delta R.T. 0.000 min

Lab File: VU048687.D

Acq: 27 May 2022 12:43

Tgt Ion: 84 Resp: 777

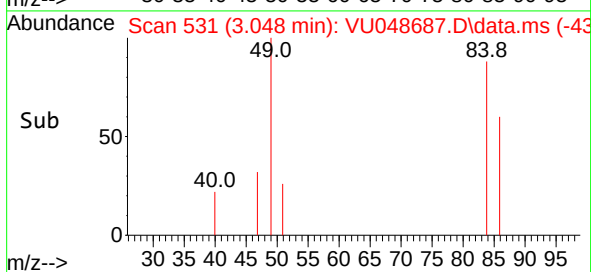
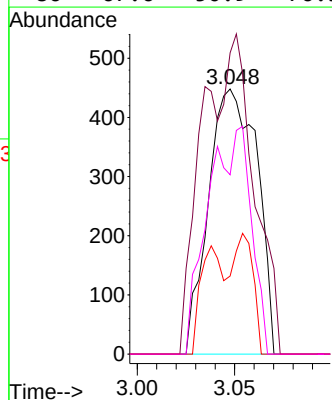
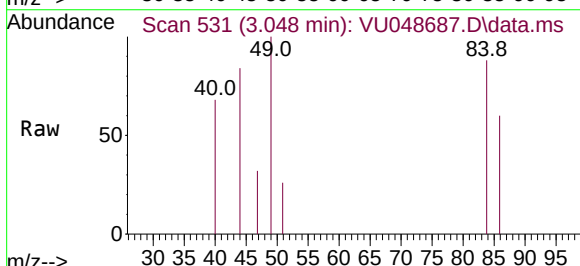
Ion Ratio Lower Upper

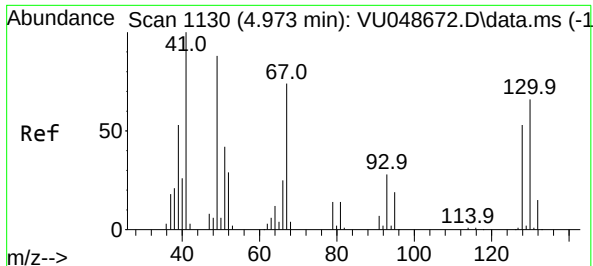
84 100

49 113.6 97.0 145.4

51 29.5 29.8 44.8#

86 67.6 50.9 76.3





#28

Bromochloromethane

Concen: 1.120 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. 0.113 min

Lab File: VU048687.D

Acq: 27 May 2022 12:43

Instrument :

MSVOA_U

ClientSampleId :

MW-1

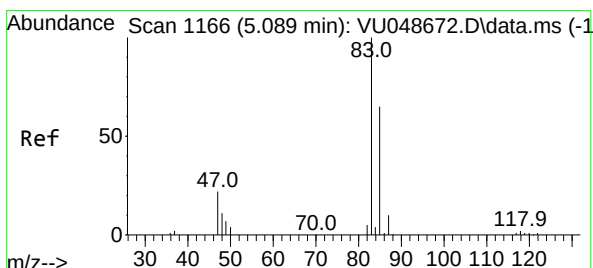
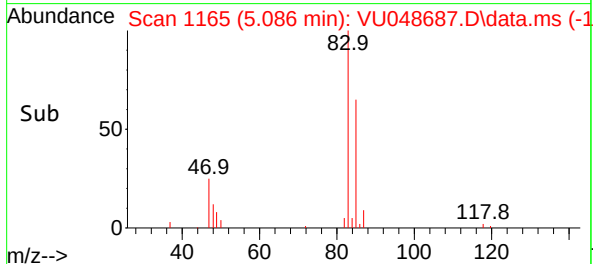
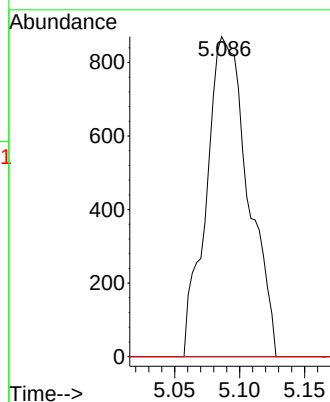
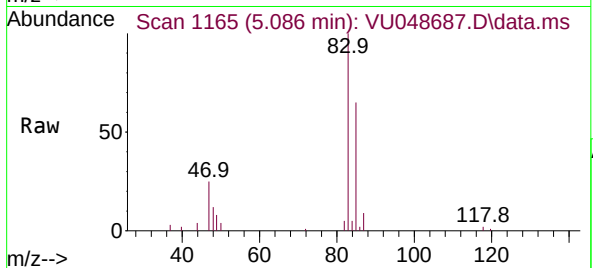
Tgt Ion: 49 Resp: 1953

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 62.1 93.1#



#30

Chloroform

Concen: 5.522 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048687.D

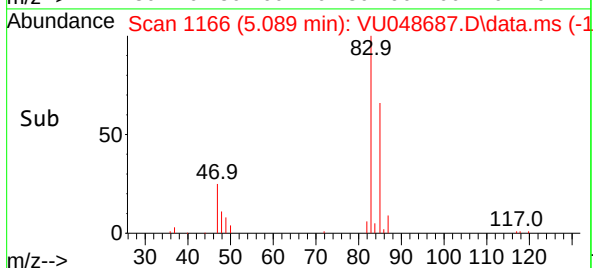
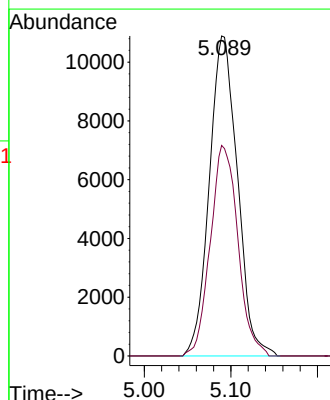
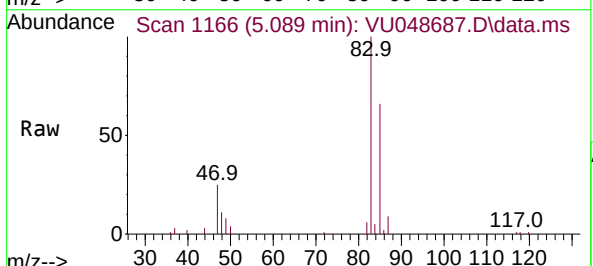
Acq: 27 May 2022 12:43

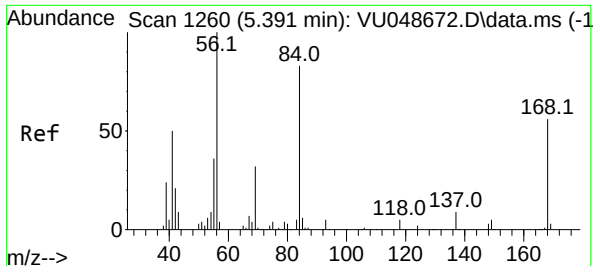
Tgt Ion: 83 Resp: 24561

Ion Ratio Lower Upper

83 100

85 65.8 52.2 78.2





#31

Cyclohexane

Concen: 1.121 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.022 min

Lab File: VU048687.D

Acq: 27 May 2022 12:43

Instrument :

MSVOA_U

ClientSampleId :

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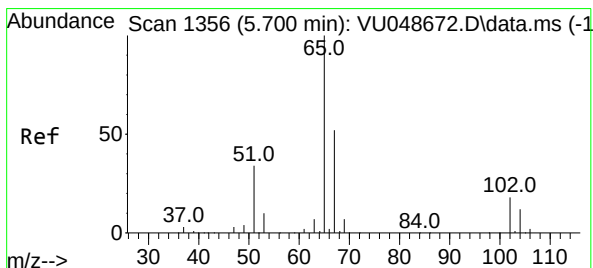
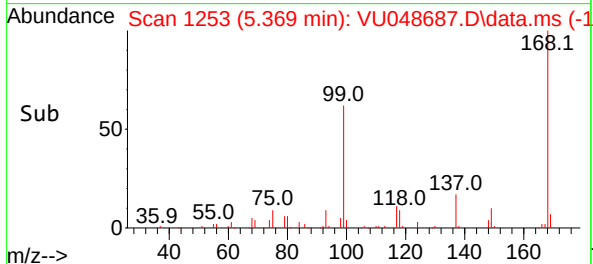
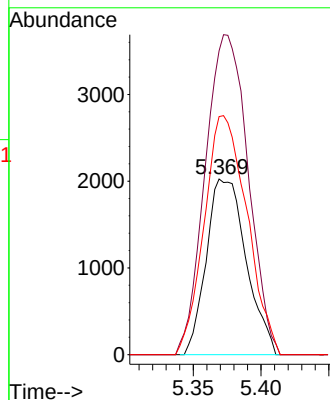
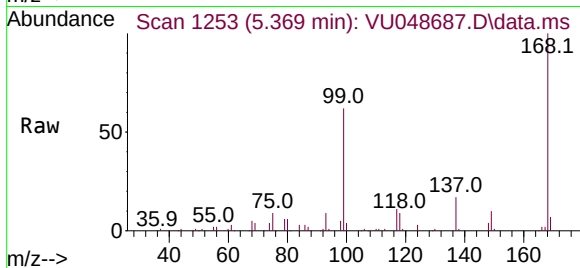
Tgt Ion: 56 Resp: 4130

Ion Ratio Lower Upper

56 100

69 173.0 25.6 38.4#

84 135.6 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 57.741 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU048687.D

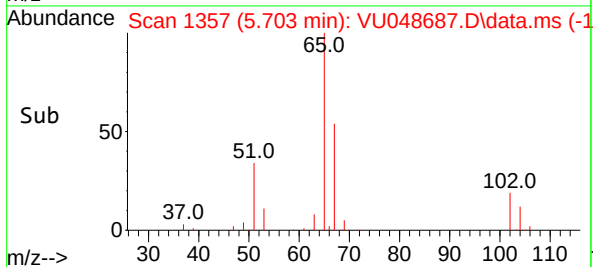
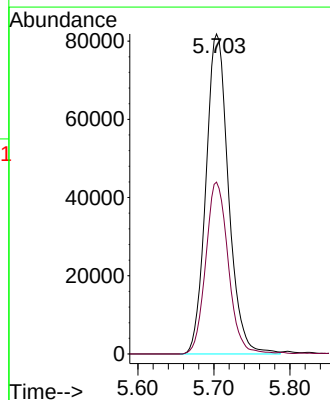
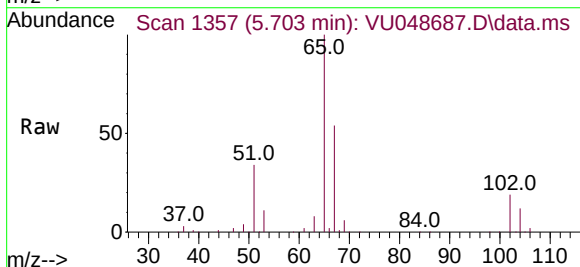
Acq: 27 May 2022 12:43

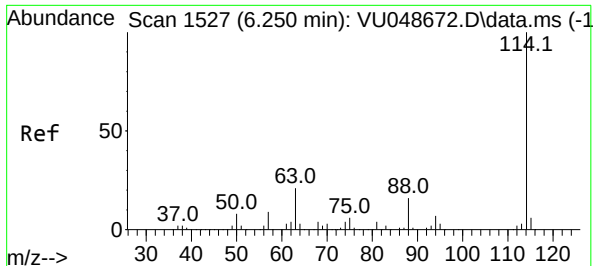
Tgt Ion: 65 Resp: 168792

Ion Ratio Lower Upper

65 100

67 53.6 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: VU048687.D

Acq: 27 May 2022 12:43

Instrument :

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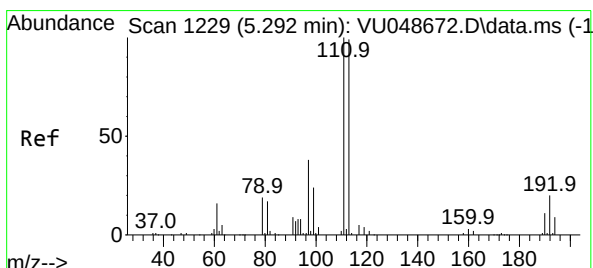
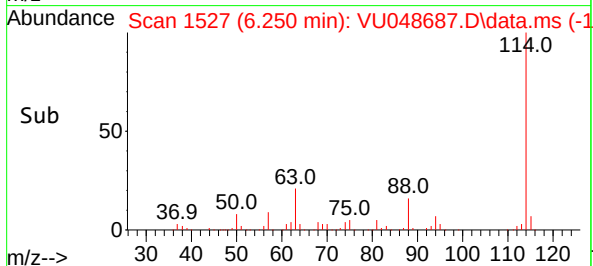
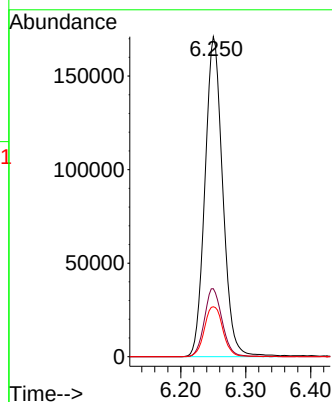
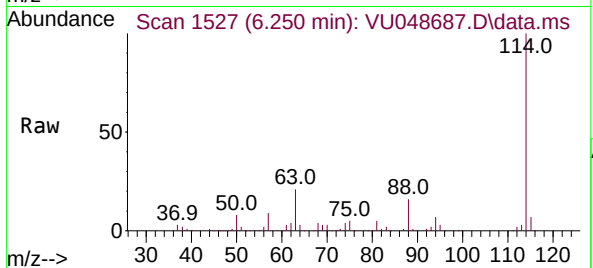
Tgt Ion:114 Resp: 325906

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 15.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 60.676 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU048687.D

Acq: 27 May 2022 12:43

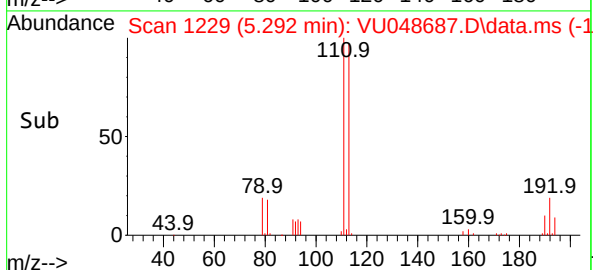
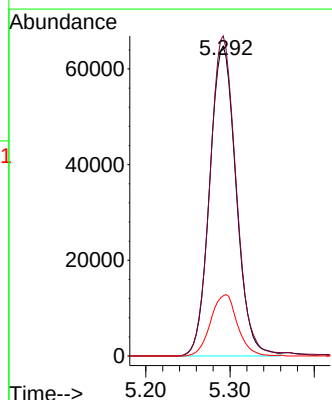
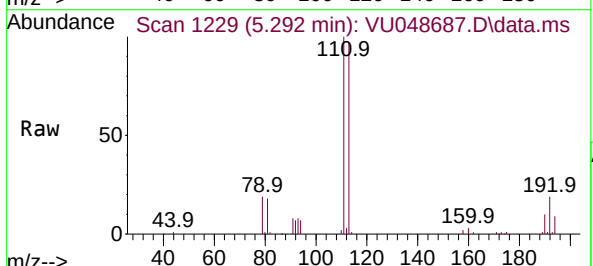
Tgt Ion:113 Resp: 141076

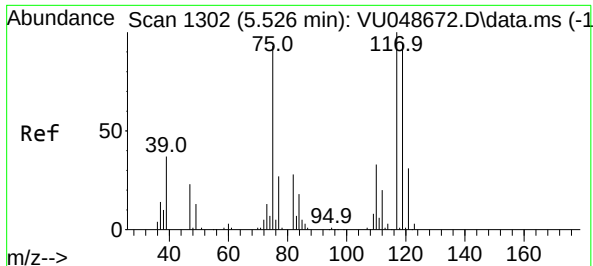
Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

192 20.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.743 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048687.D

Acq: 27 May 2022 12:43

Instrument :

MSVOA_U

ClientSampleId :

MW-1

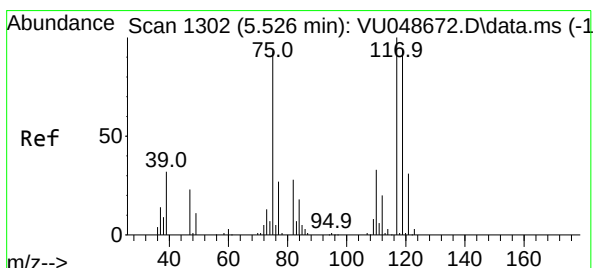
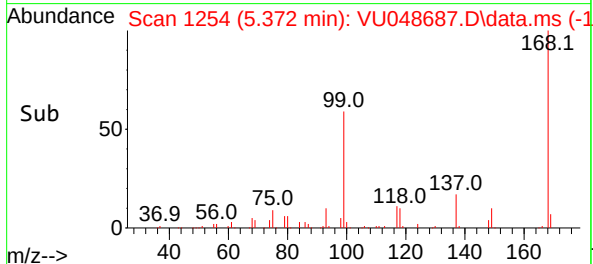
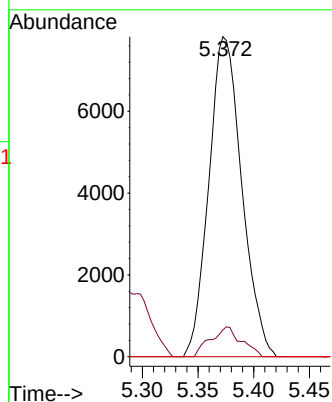
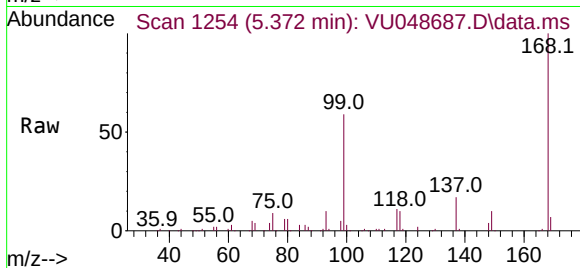
Tgt Ion: 75 Resp: 16095

Ion Ratio Lower Upper

75 100

110 8.7 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.314 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048687.D

Acq: 27 May 2022 12:43

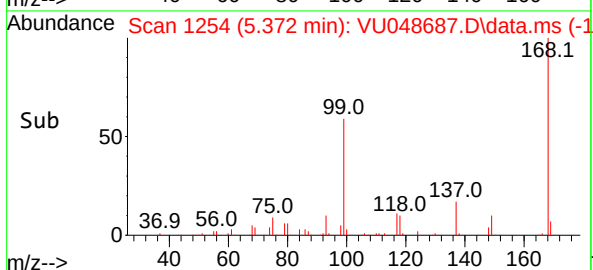
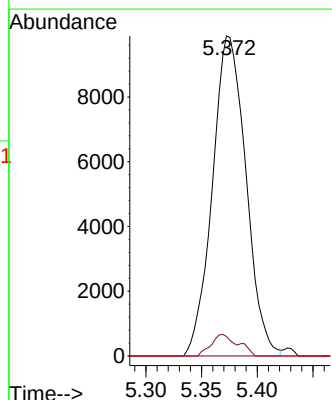
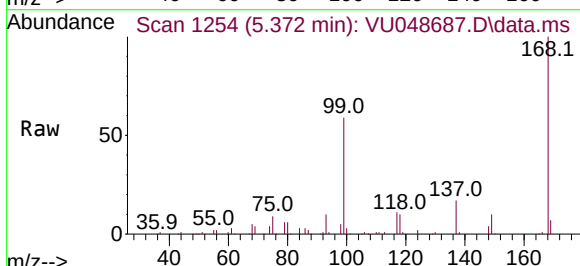
Tgt Ion: 117 Resp: 20688

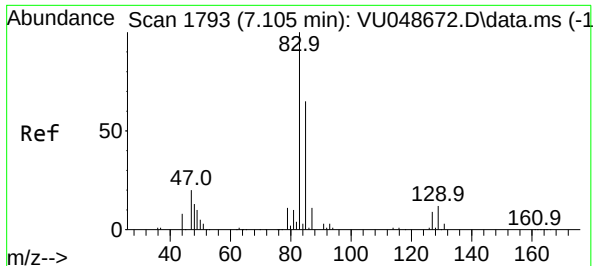
Ion Ratio Lower Upper

117 100

119 6.1 75.4 113.2#

121 0.0 24.6 36.8#

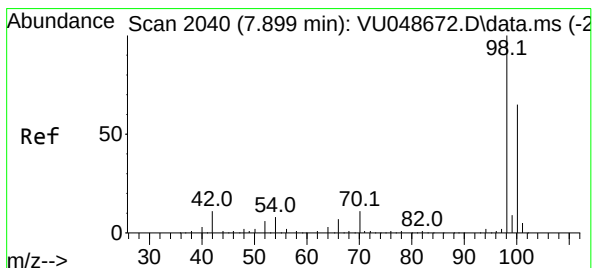
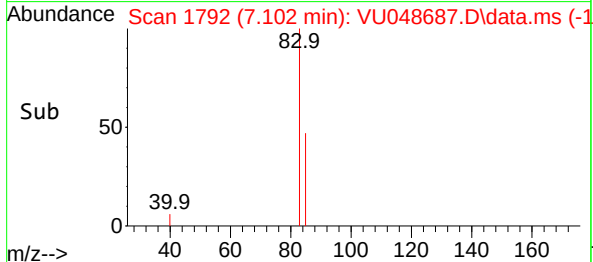
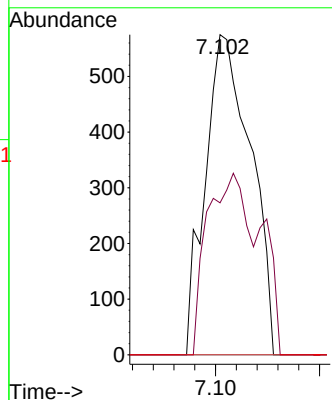
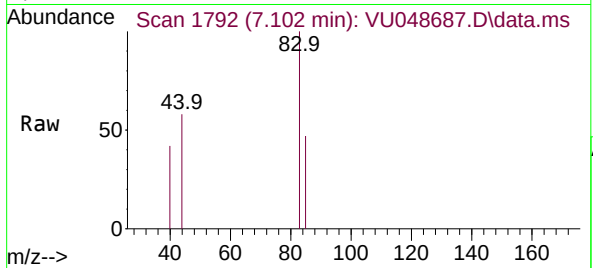




#47
Bromodichloromethane
Concen: 0.229 ug/l
RT: 7.102 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

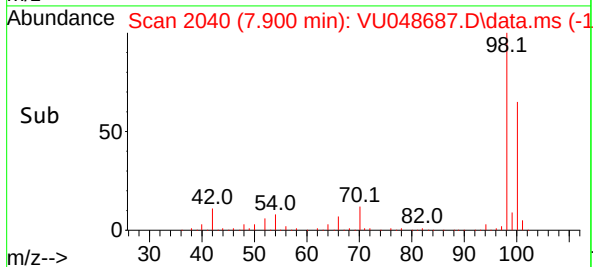
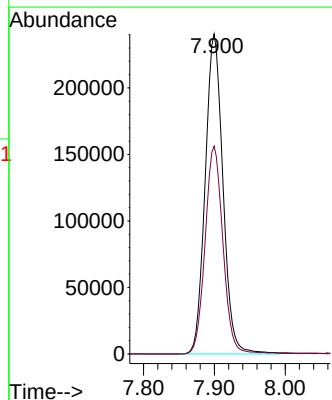
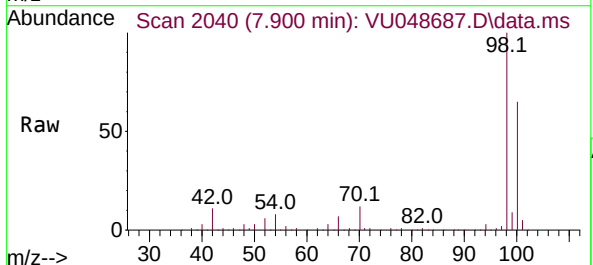
Instrument :
MSVOA_U
ClientSampleId :
MW-1

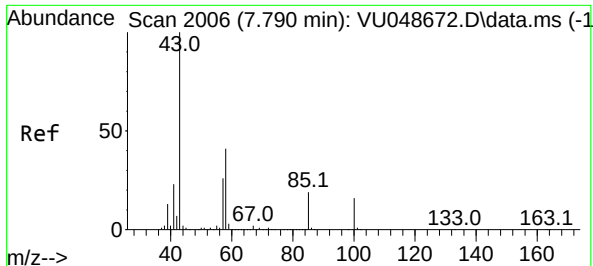
Tgt Ion: 83 Resp: 874
Ion Ratio Lower Upper
83 100
85 47.5 52.1 78.1#
127 0.0 6.9 10.3#



#50
Toluene-d8
Concen: 50.197 ug/l
RT: 7.900 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

Tgt Ion: 98 Resp: 418373
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.246 ug/l

RT: 7.800 min Scan# 2006

Delta R.T. 0.010 min

Lab File: VU048687.D

Acq: 27 May 2022 12:43

Instrument :

MSVOA_U

ClientSampleId :

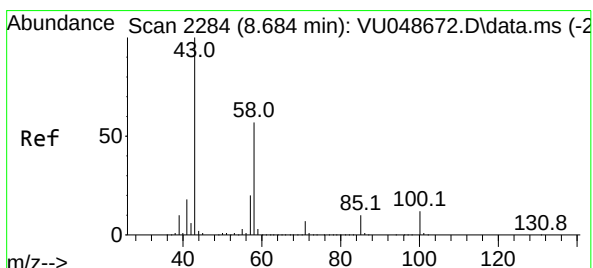
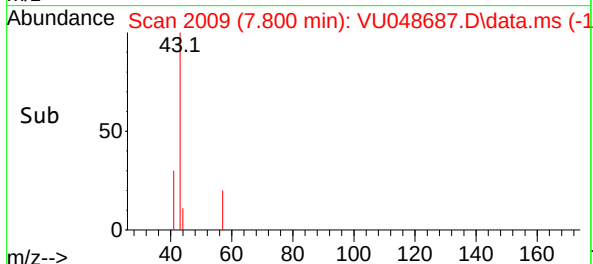
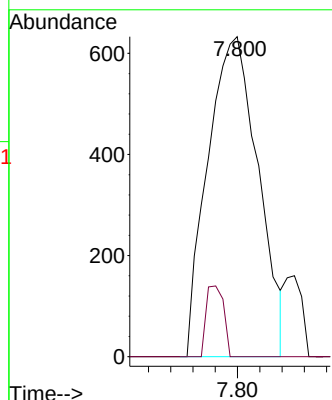
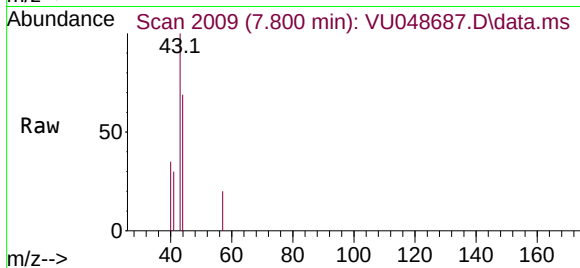
MW-1

Tgt Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

58 0.0 32.7 49.1#



#59

2-Hexanone

Concen: 0.390 ug/l

RT: 8.694 min Scan# 2287

Delta R.T. 0.010 min

Lab File: VU048687.D

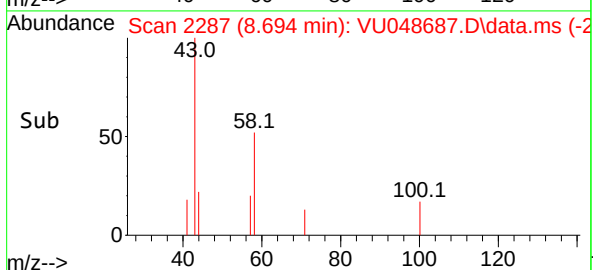
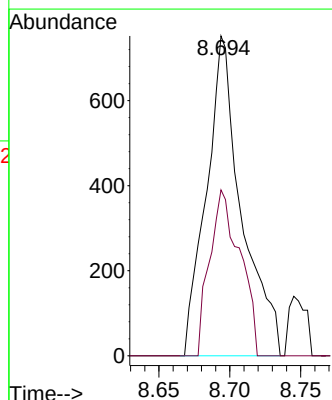
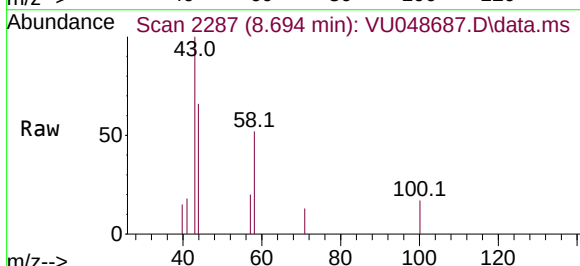
Acq: 27 May 2022 12:43

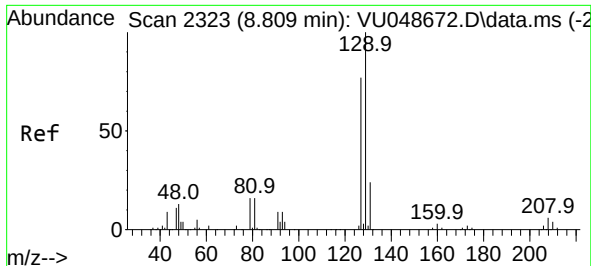
Tgt Ion: 43 Resp: 1293

Ion Ratio Lower Upper

43 100

58 44.9 28.2 84.6

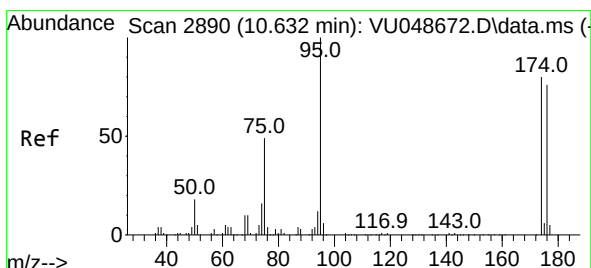
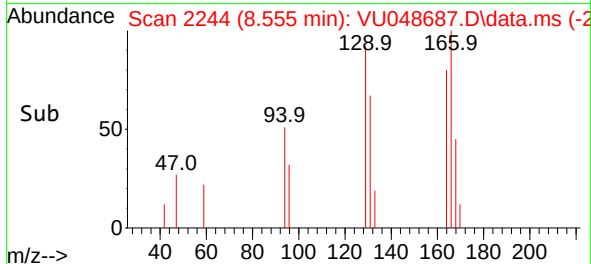
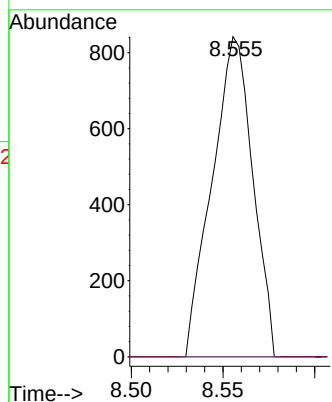
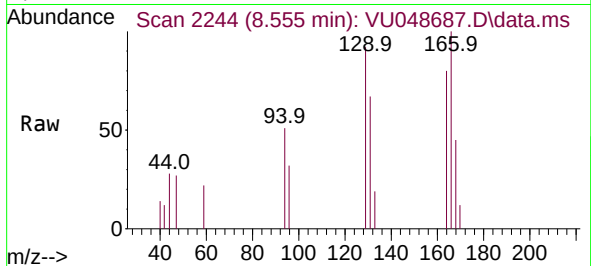




#60
Dibromochloromethane
Concen: 0.438 ug/l
RT: 8.555 min Scan# 211
Delta R.T. -0.254 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

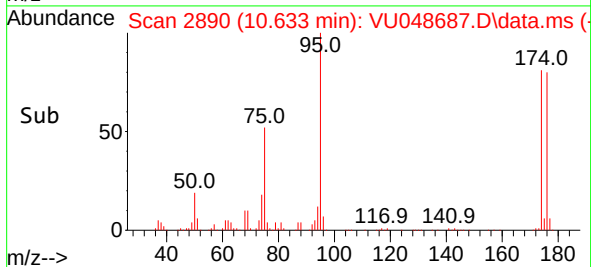
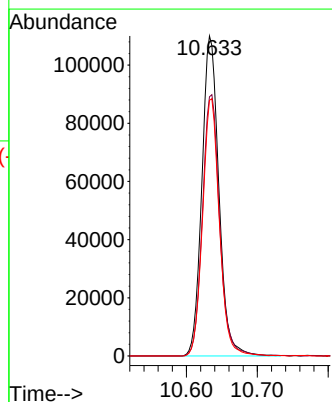
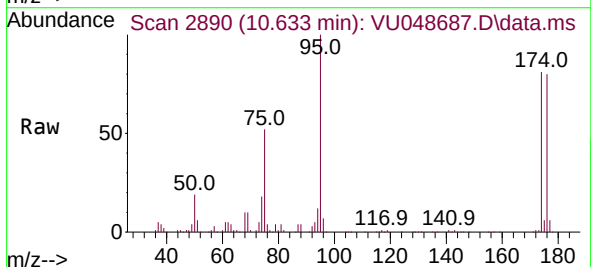
Instrument :
MSVOA_U
ClientSampleId :
MW-1

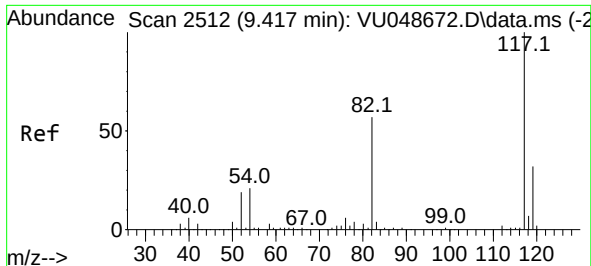
Tgt Ion:129 Resp: 1298
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 58.177 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

Tgt Ion: 95 Resp: 183377
Ion Ratio Lower Upper
95 100
174 82.6 0.0 159.4
176 79.4 0.0 152.4

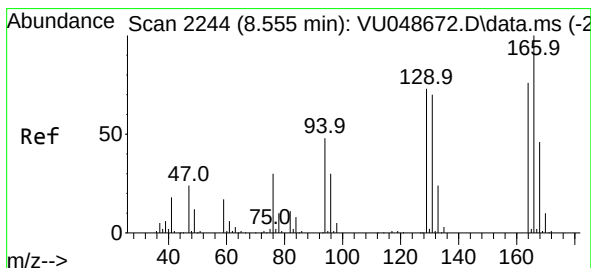
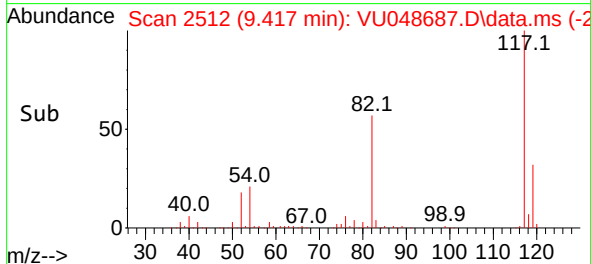
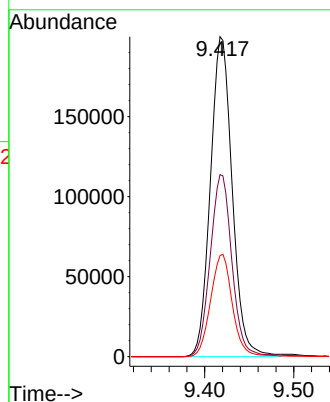
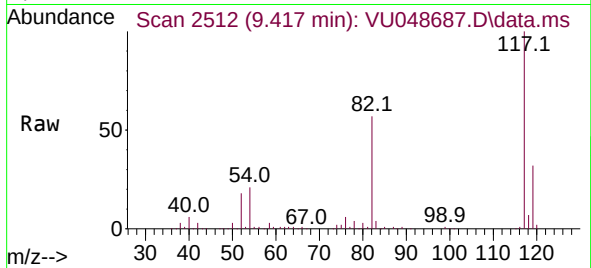




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

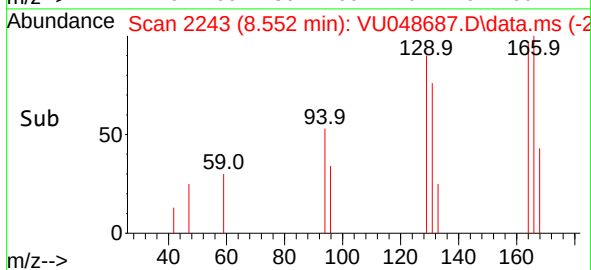
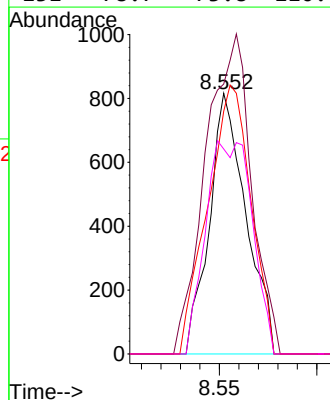
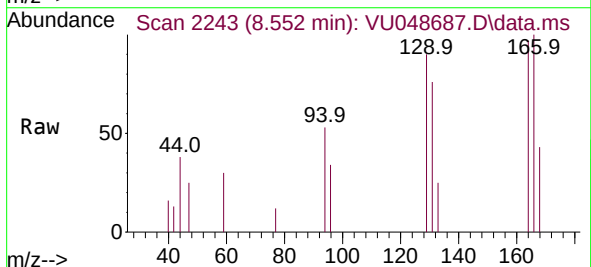
Instrument :
MSVOA_U
ClientSampleId :
MW-1

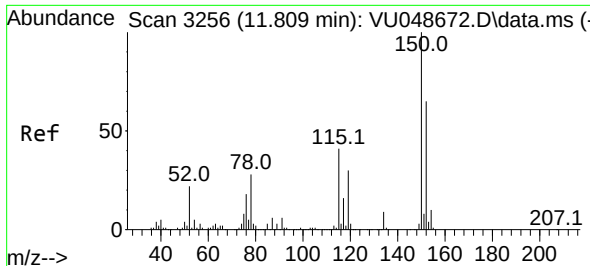
Tgt Ion:117 Resp: 339891
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

Tgt Ion:164 Resp: 1066
Ion Ratio Lower Upper
164 100
166 103.6 105.0 157.4#
129 93.1 76.5 114.7
131 78.7 73.8 110.6

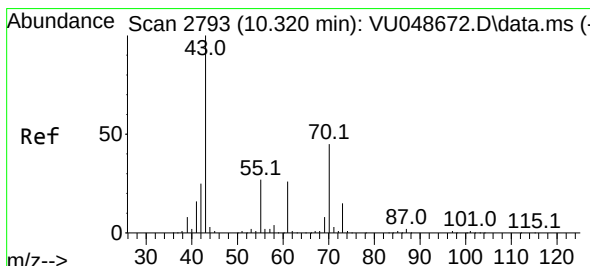
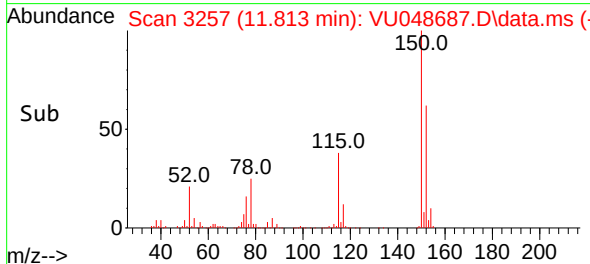
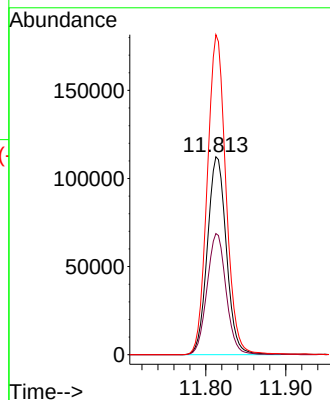
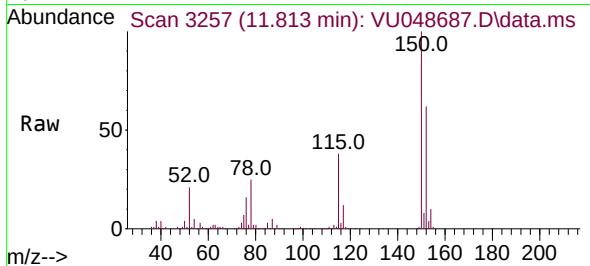




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.813 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

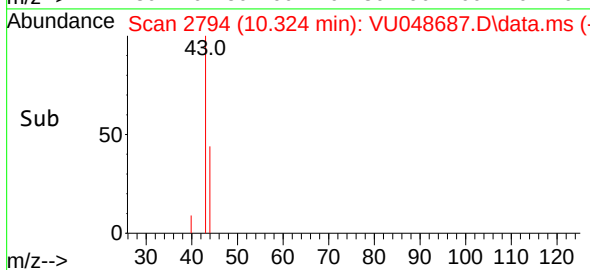
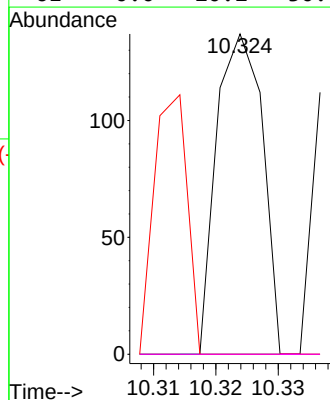
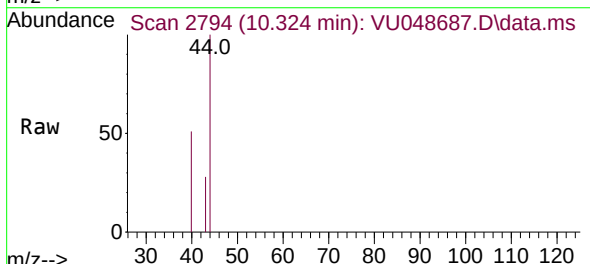
Instrument :
MSVOA_U
ClientSampleId :
MW-1

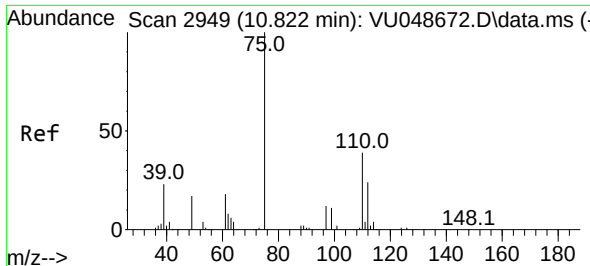
Tgt Ion:152 Resp: 185687
Ion Ratio Lower Upper
152 100
115 61.5 41.8 125.4
150 159.0 0.0 341.0



#74
N-ethyl acetate
Concen: 2.478 ug/l
RT: 10.324 min Scan# 2794
Delta R.T. 0.004 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 58.6 21.1 31.7#
61 0.0 20.2 30.4#

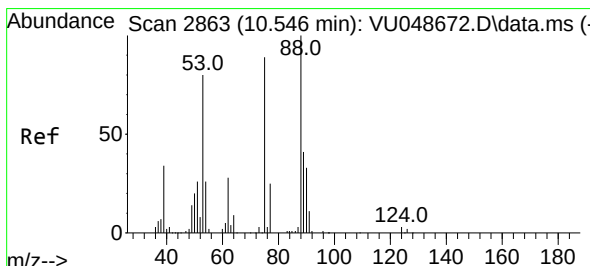
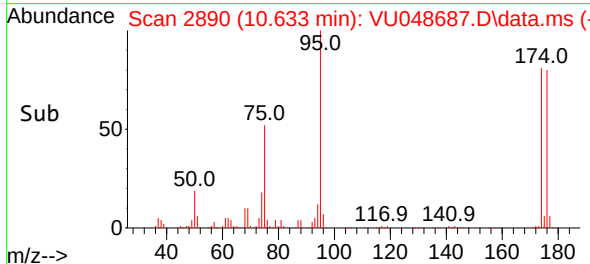
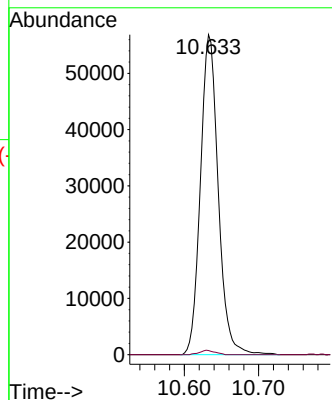
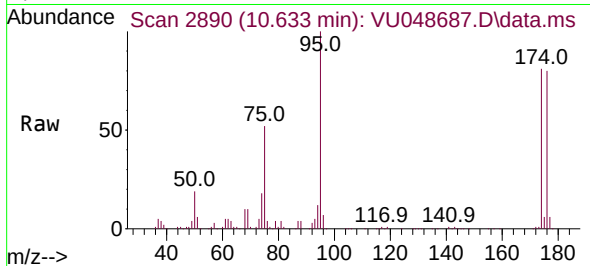




#76
1,2,3-Trichloropropane
Concen: 15.826 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.189 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

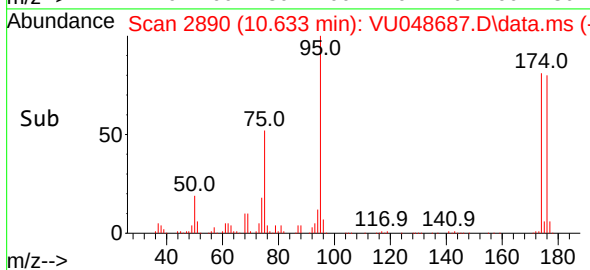
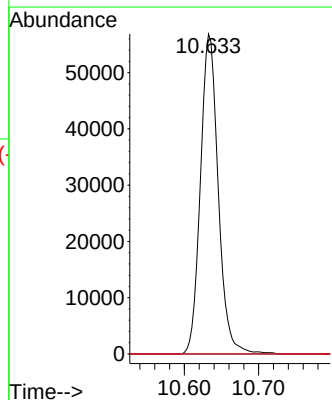
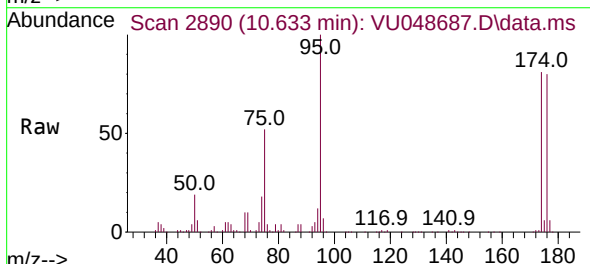
Instrument :
MSVOA_U
ClientSampleId :
MW-1

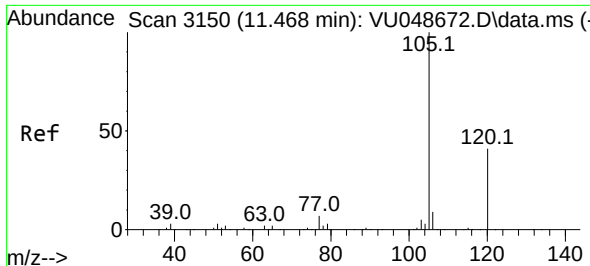
Tgt Ion: 75 Resp: 94749
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.461 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

Tgt Ion: 75 Resp: 94749
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

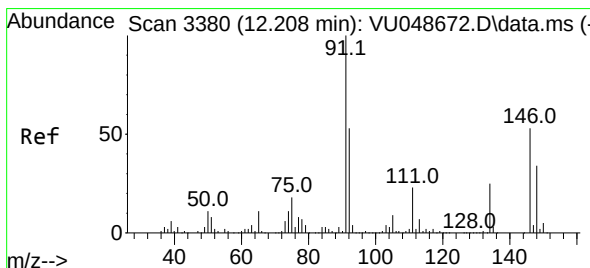
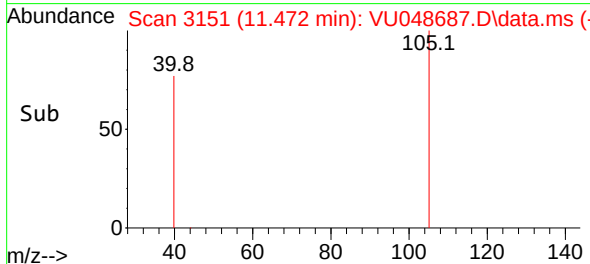
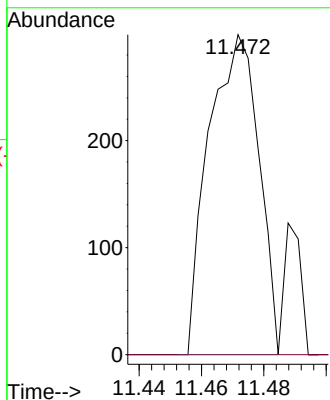
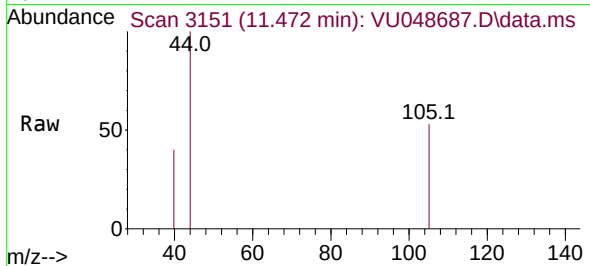




#84
1,2,4-Trimethylbenzene
Concen: 1.216 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

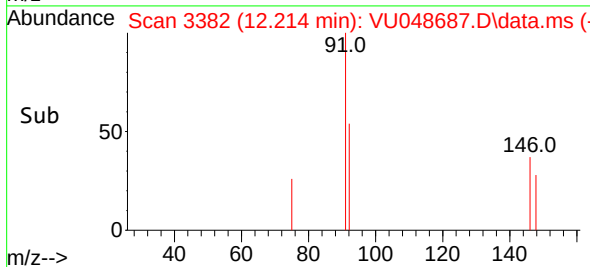
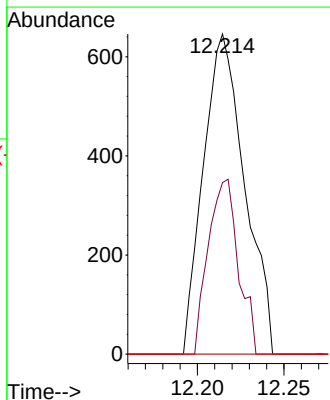
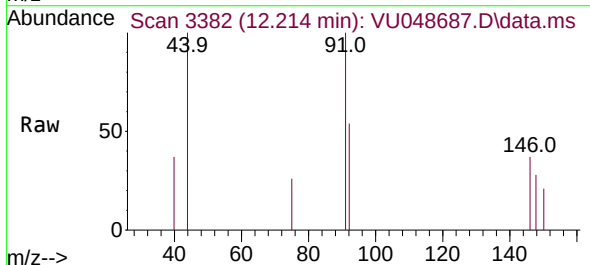
Instrument :
MSVOA_U
ClientSampleId :
MW-1

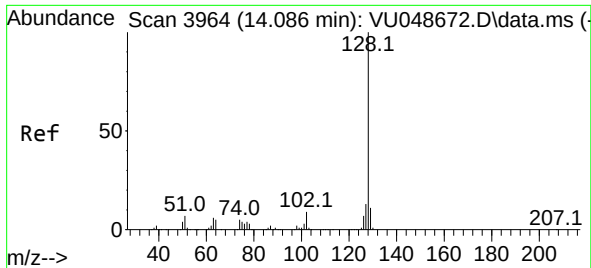
Tgt Ion:105 Resp: 333
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.281 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU048687.D
Acq: 27 May 2022 12:43

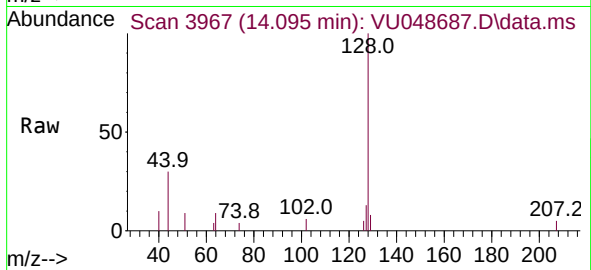
Tgt Ion: 91 Resp: 1072
Ion Ratio Lower Upper
91 100
92 39.7 25.9 77.8
134 0.0 12.5 37.5#





#95
 Naphthalene
 Concen: 2.855 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.009 min
 Lab File: VU048687.D
 Acq: 27 May 2022 12:43

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1



Tgt Ion:	128	Resp:	4960
Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.2	15.4
129	8.3	8.7	13.1#

