

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
 Data File : VU048877.D
 Acq On : 06 Jun 2022 13:04
 Operator : SY/MD
 Sample : VU0606WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0606WBL01

Quant Time: Jun 07 05:14:11 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)

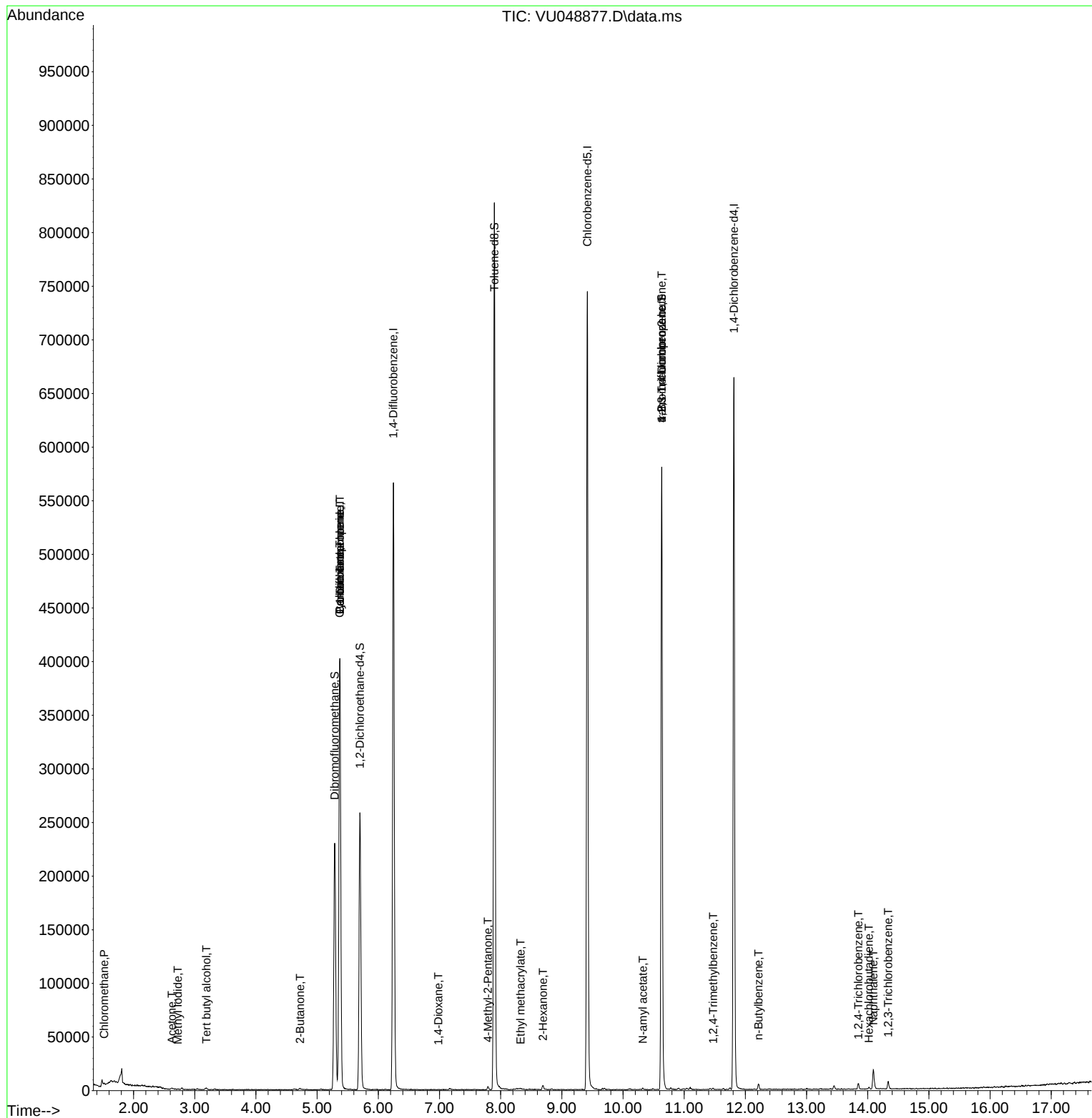
Internal Standards						
1) Pentafluorobenzene	5.372	168	271072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	448455	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	408162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	178059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	201142	49.409	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.820%		
35) Dibromofluoromethane	5.285	113	149858	46.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.680%		
50) Toluene-d8	7.896	98	543850	47.421	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.840%		
62) 4-Bromofluorobenzene	10.632	95	194485	44.840	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.680%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1322	0.331	ug/l	90
5) Bromomethane	1.835	94	457	Below Cal	#	76
6) Chloroethane	1.951	64	157	Below Cal	#	43
10) Methyl Iodide	2.723	142	214	3.051	ug/l #	37
11) Tert butyl alcohol	3.189	59	952	0.922	ug/l #	28
13) Acrolein	2.485	56	221	Below Cal	#	82
16) Acetone	2.623	43	1306	0.629	ug/l	91
25) 2-Butanone	4.719	43	2174	0.729	ug/l	94
31) Cyclohexane	5.369	56	5999	1.169	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	23261	4.982	ug/l #	49
38) Carbon Tetrachloride	5.372	117	27668	5.165	ug/l #	19
49) 1,4-Dioxane	6.983	88	82	0.954	ug/l #	69
51) 4-Methyl-2-Pentanone	7.793	43	2183	0.392	ug/l	97
56) Ethyl methacrylate	8.327	69	193	2.645	ug/l #	26
59) 2-Hexanone	8.690	43	3261	0.714	ug/l	77
74) N-amyl acetate	10.324	43	897	2.613	ug/l #	72
76) 1,2,3-Trichloropropane	10.632	75	101675	17.710	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	101675	64.303	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	967	1.275	ug/l	86
89) n-Butylbenzene	12.214	91	2252	2.394	ug/l	93
93) 1,2,4-Trichlorobenzene	13.848	180	2006	0.500	ug/l	95
94) Hexachlorobutadiene	14.018	225	620	0.322	ug/l #	59
95) Naphthalene	14.092	128	16463	3.648	ug/l	96
96) 1,2,3-Trichlorobenzene	14.333	180	2904	0.731	ug/l	88

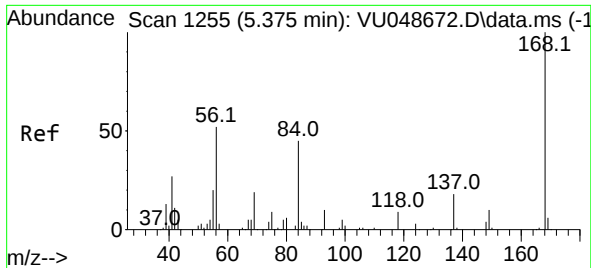
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 07 05:14:11 2022
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Quant Title : SW846 8260
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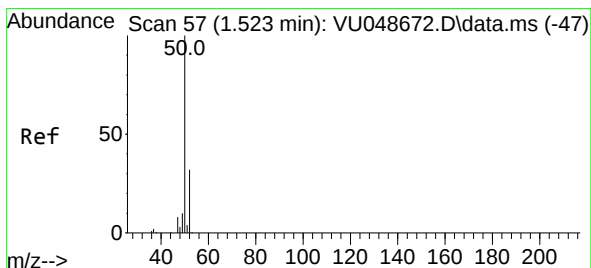
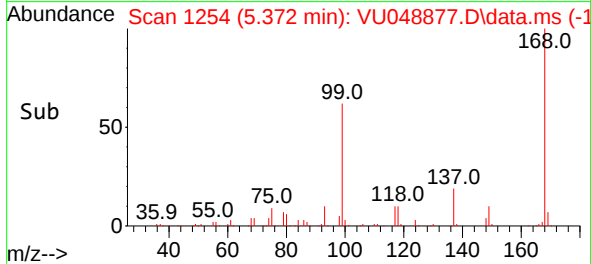
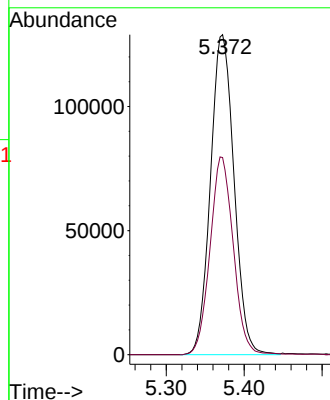
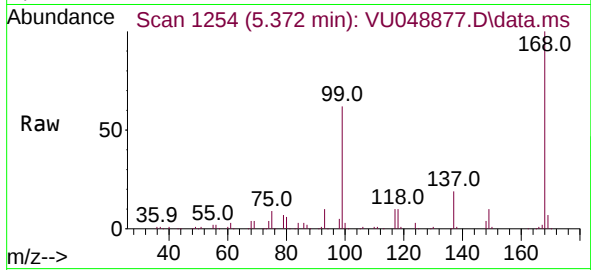




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

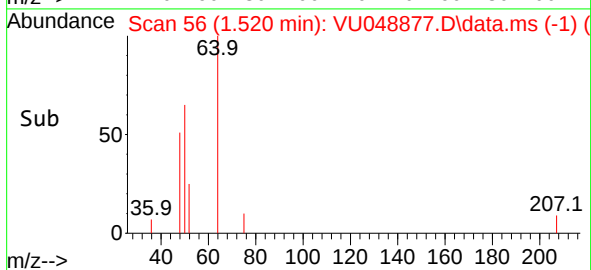
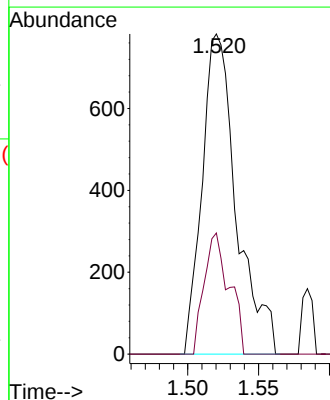
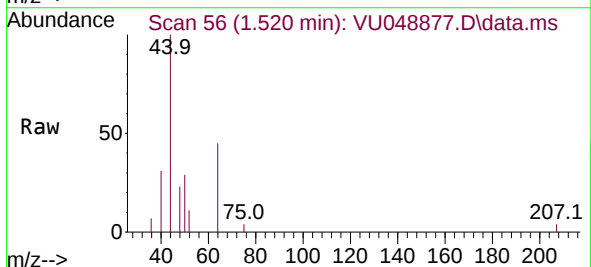
Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

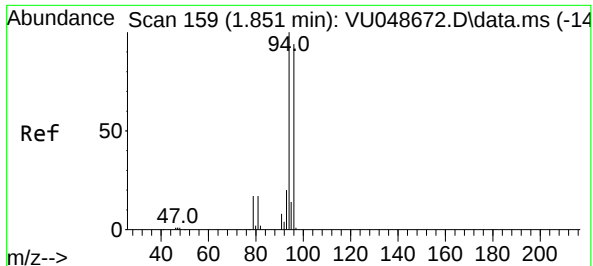
Tgt Ion:168 Resp: 271072
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9



#3
Chloromethane
Concen: 0.331 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 50 Resp: 1322
Ion Ratio Lower Upper
50 100
52 37.9 25.7 38.5

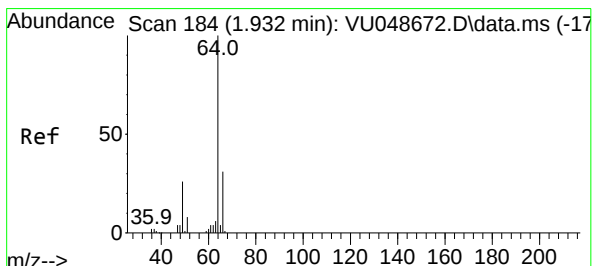
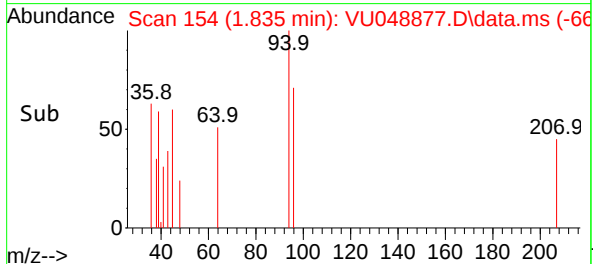
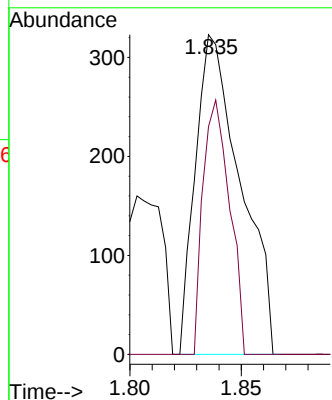
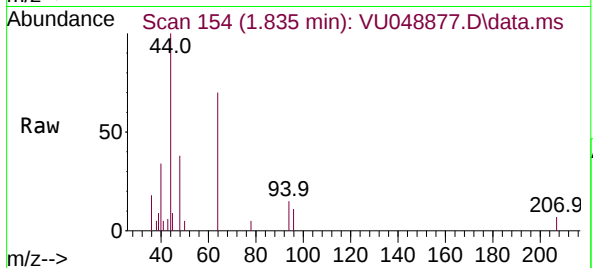




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

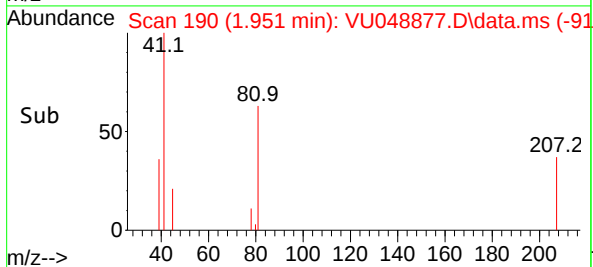
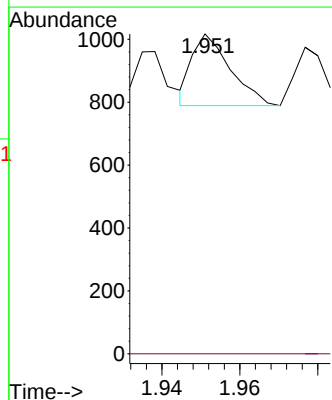
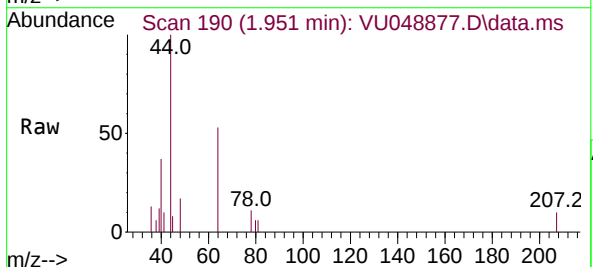
Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

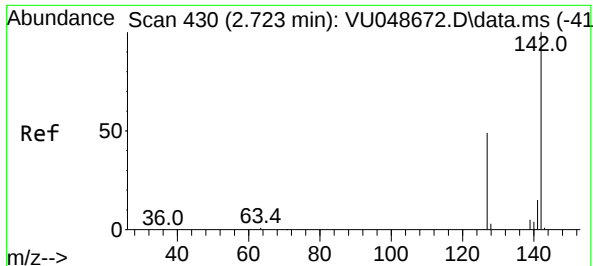
Tgt Ion: 94 Resp: 457
Ion Ratio Lower Upper
94 100
96 71.2 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 190
Delta R.T. 0.019 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 64 Resp: 157
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

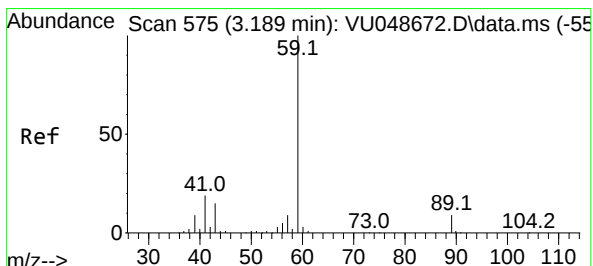
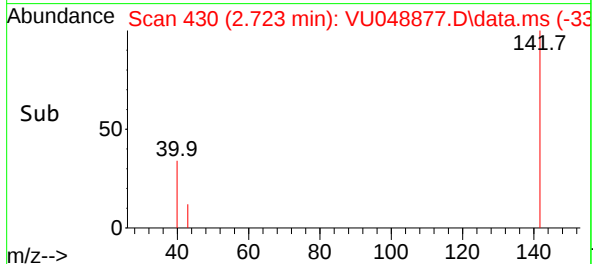
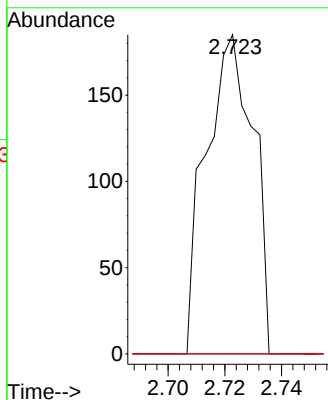
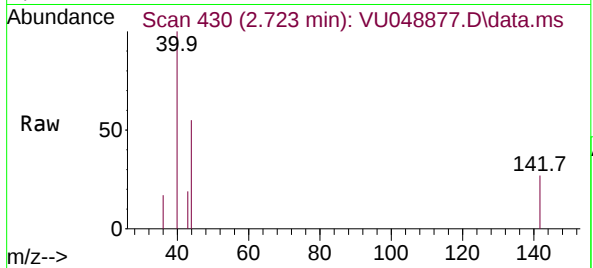




#10
Methyl Iodide
Concen: 3.051 ug/l
RT: 2.723 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

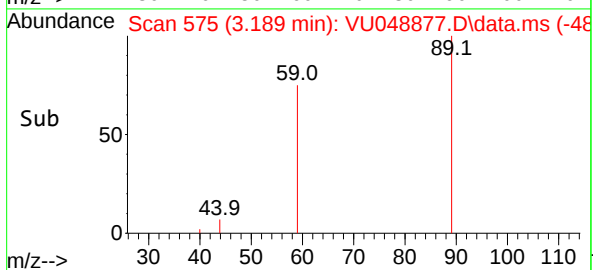
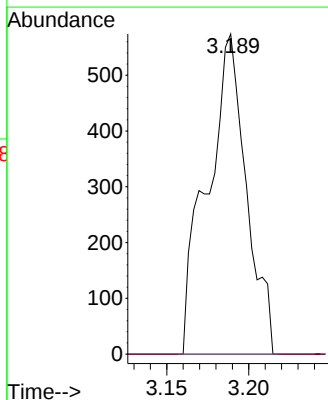
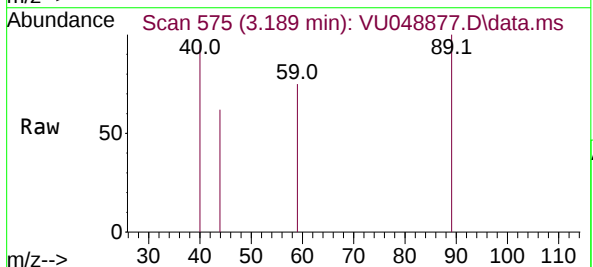
Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

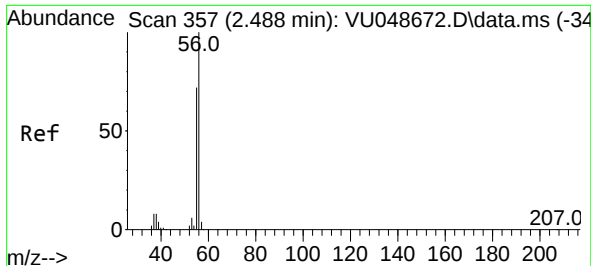
Tgt Ion:142 Resp: 214
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.922 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.000 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 59 Resp: 952
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

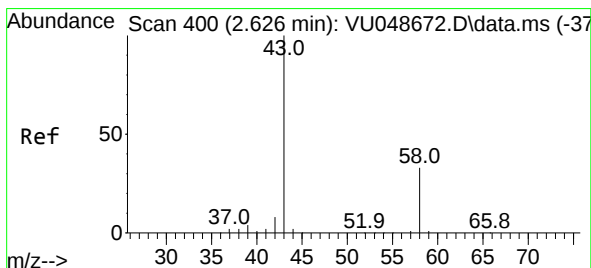
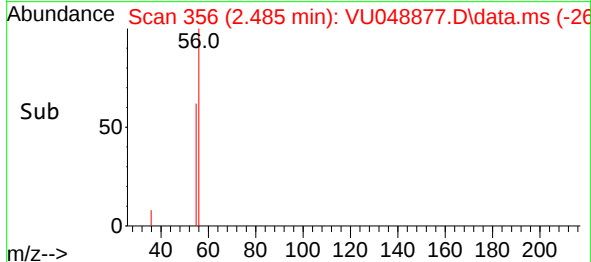
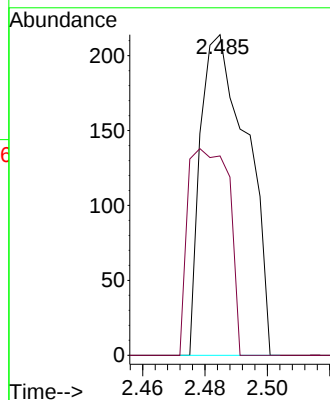
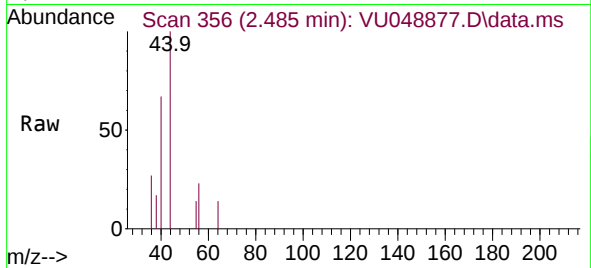




#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

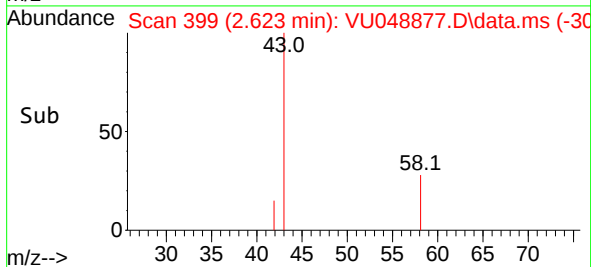
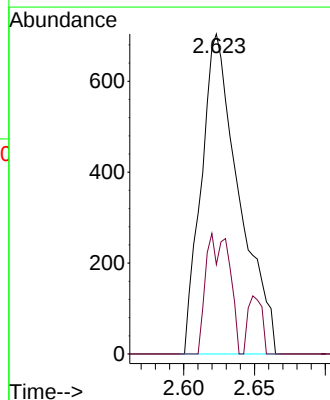
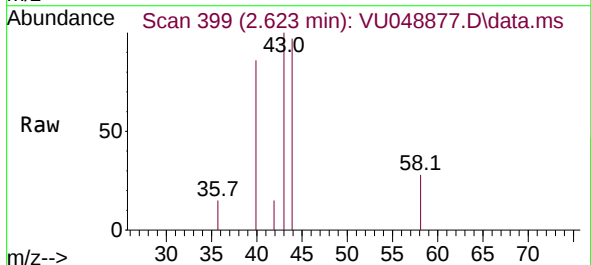
Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

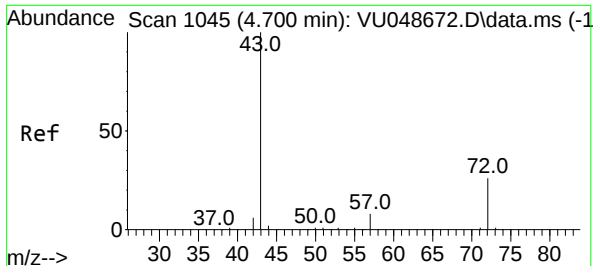
Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 57.0 57.7 86.5#



#16
Acetone
Concen: 0.629 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 43 Resp: 1306
Ion Ratio Lower Upper
43 100
58 28.0 26.3 39.5

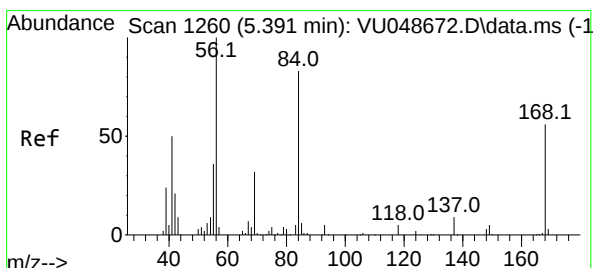
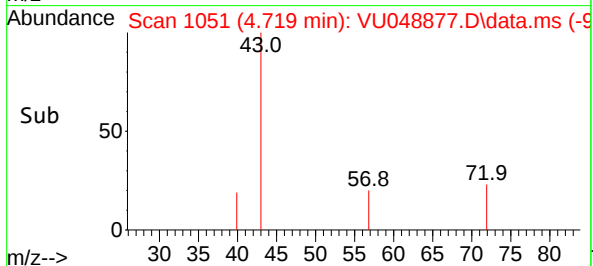
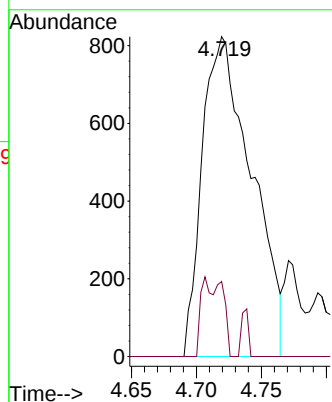
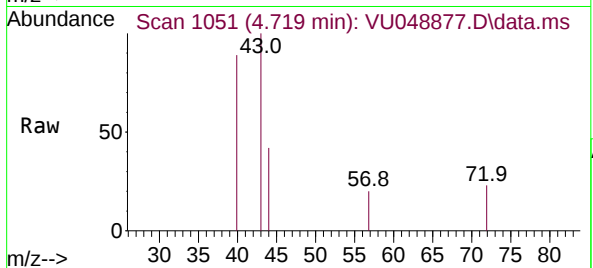




#25
2-Butanone
Concen: 0.729 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

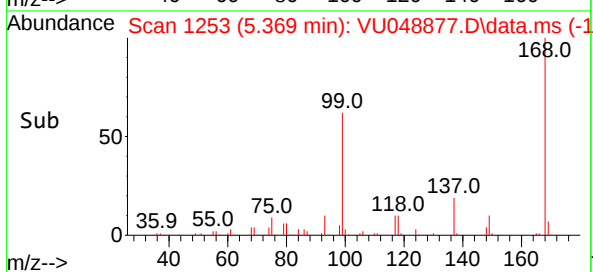
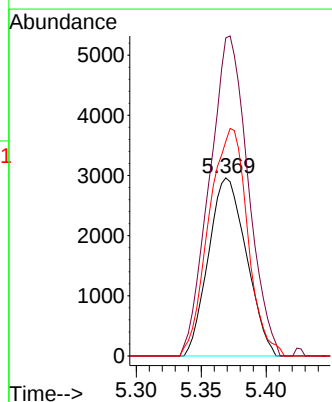
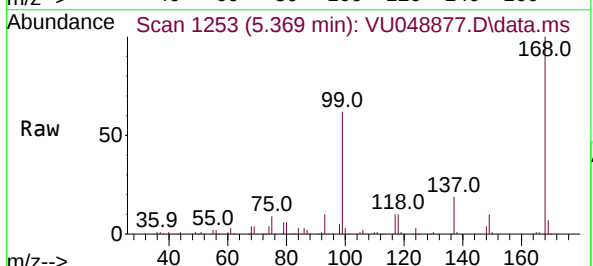
Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

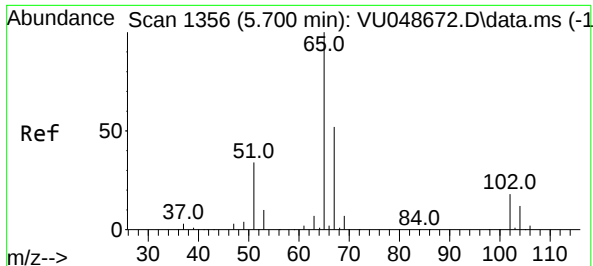
Tgt Ion: 43 Resp: 2174
Ion Ratio Lower Upper
43 100
72 23.5 21.1 31.7



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.022 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 56 Resp: 5999
Ion Ratio Lower Upper
56 100
69 178.6 25.6 38.4#
84 120.5 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.409 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048877.D

Acq: 06 Jun 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

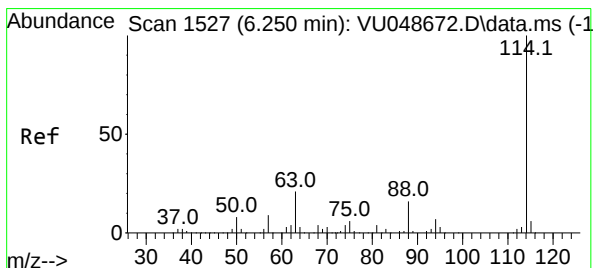
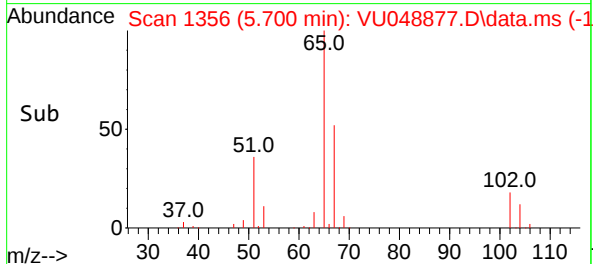
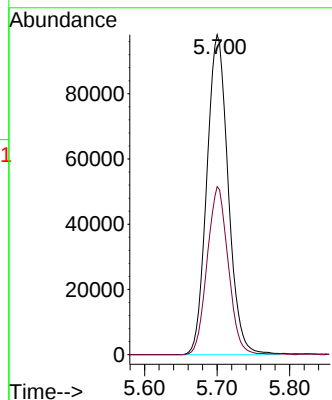
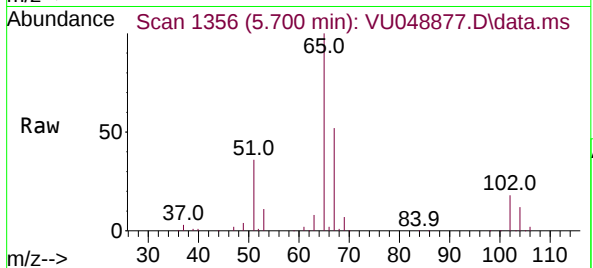
VU0606WBL01

Tgt Ion: 65 Resp: 201142

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048877.D

Acq: 06 Jun 2022 13:04

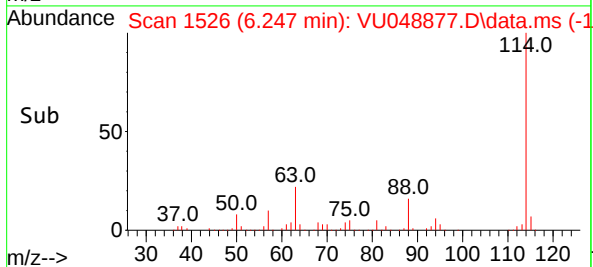
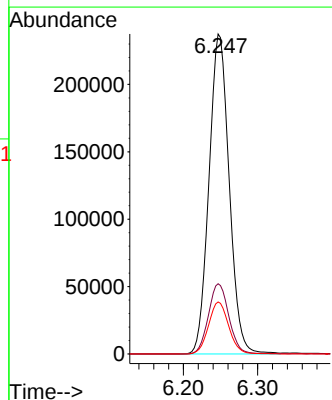
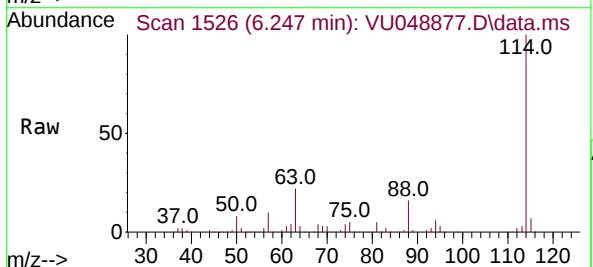
Tgt Ion: 114 Resp: 448455

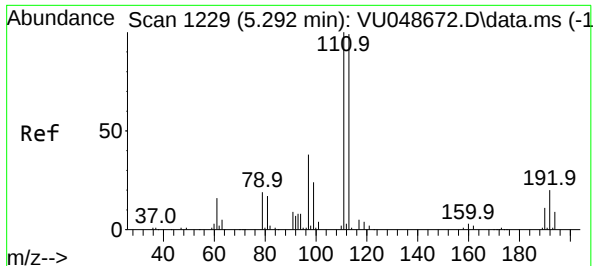
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.840 ug/l

RT: 5.285 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU048877.D

Acq: 06 Jun 2022 13:04

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MSVOA_U

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VU0606WBL01

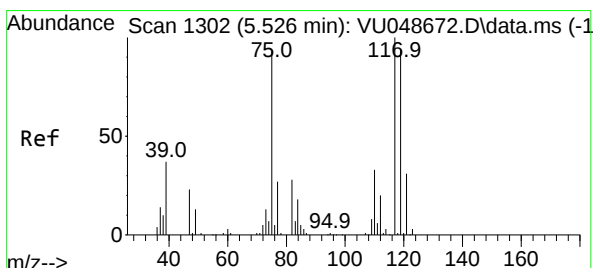
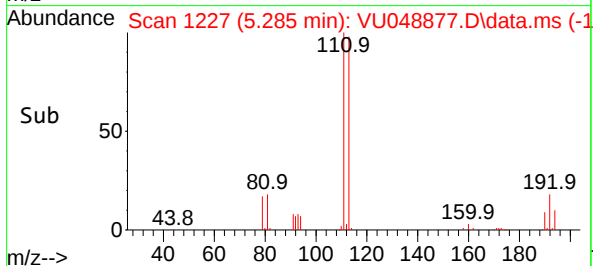
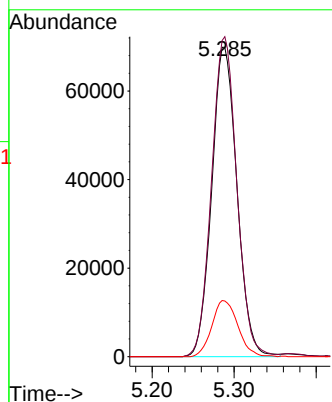
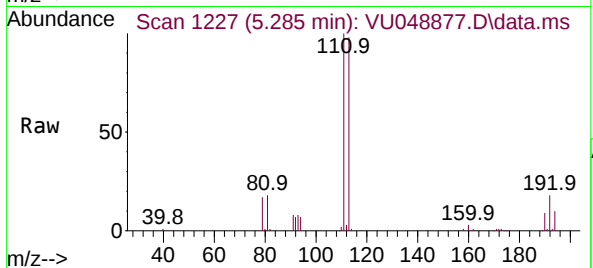
Tgt Ion:113 Resp: 149858

Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

192 18.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048877.D

Acq: 06 Jun 2022 13:04

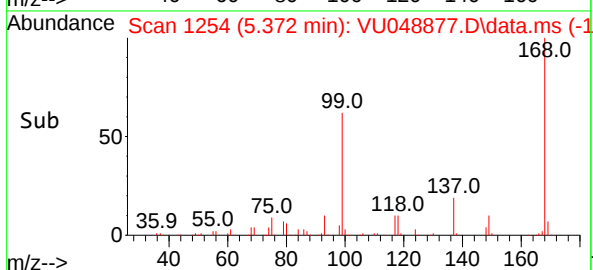
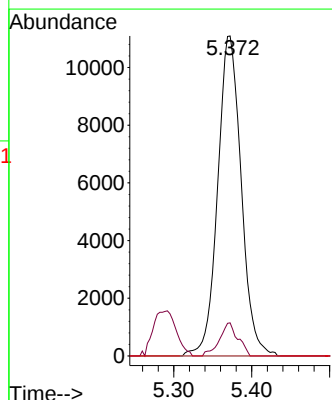
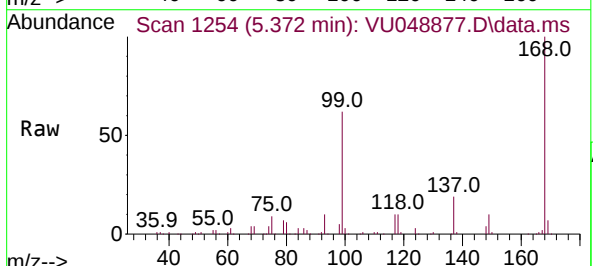
Tgt Ion: 75 Resp: 23261

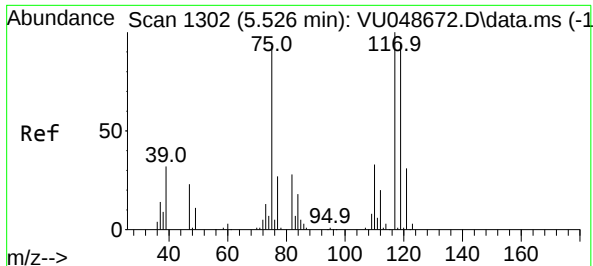
Ion Ratio Lower Upper

75 100

110 8.1 17.4 52.3#

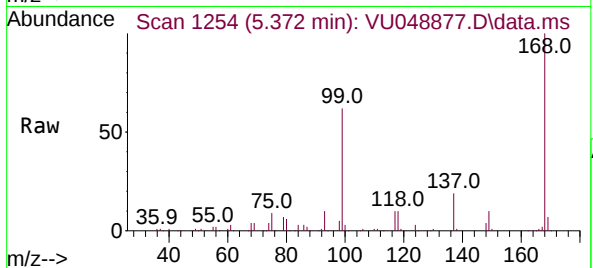
77 0.0 24.8 37.2#



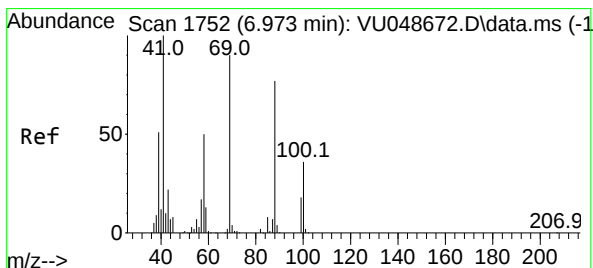
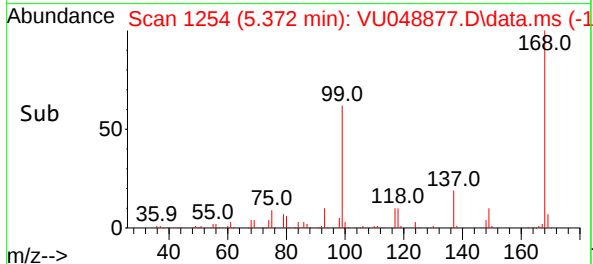
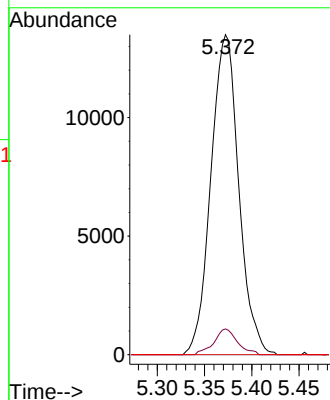


#38
Carbon Tetrachloride
Concen: 5.165 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

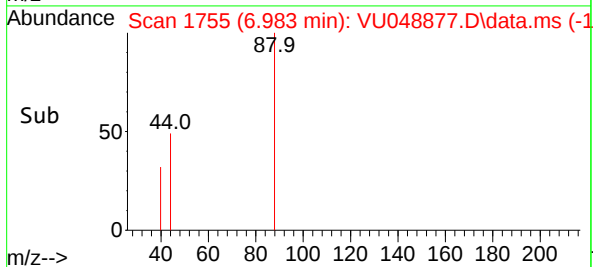
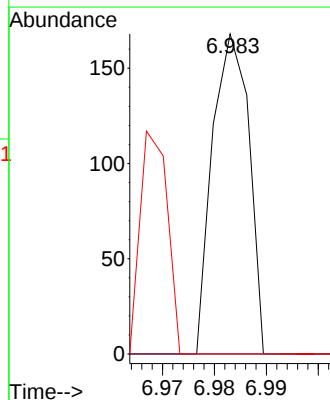
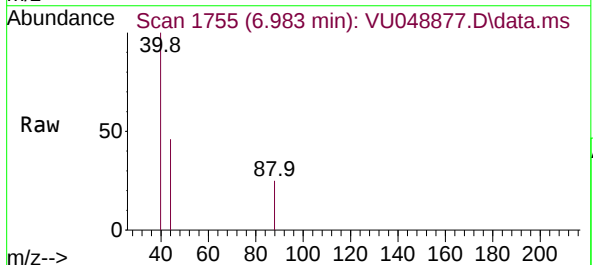


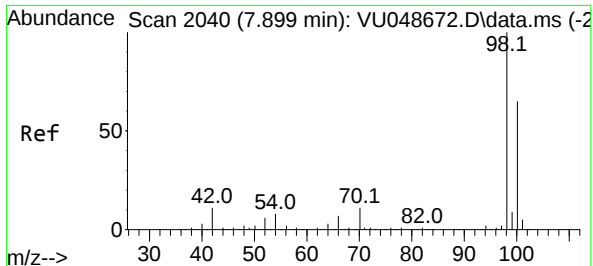
Tgt Ion:117 Resp: 27668
Ion Ratio Lower Upper
117 100
119 8.0 75.4 113.2#
121 0.0 24.6 36.8#



#49
1,4-Dioxane
Concen: 0.954 ug/l
RT: 6.983 min Scan# 1755
Delta R.T. 0.010 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 0.0 24.6 36.8#
58 52.4 54.7 82.1#





#50

Toluene-d8

Concen: 47.421 ug/l

RT: 7.896 min Scan# 2040

Delta R.T. -0.003 min

Lab File: VU048877.D

Acq: 06 Jun 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

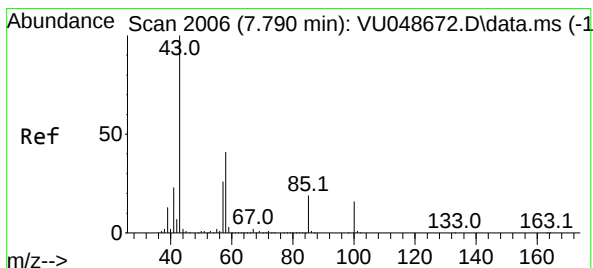
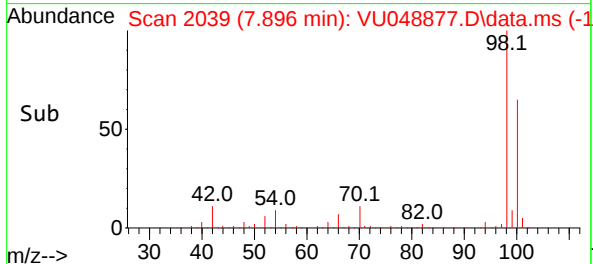
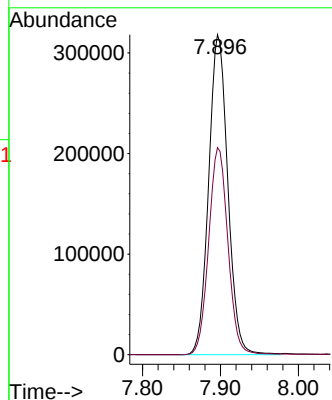
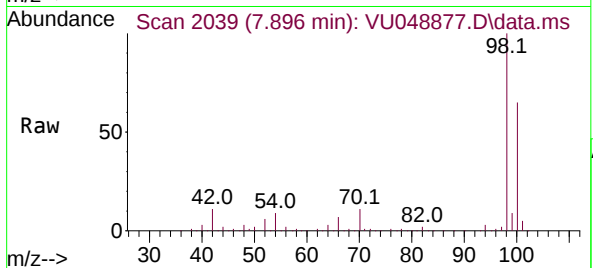
VU0606WBL01

Tgt Ion: 98 Resp: 543850

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 0.392 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU048877.D

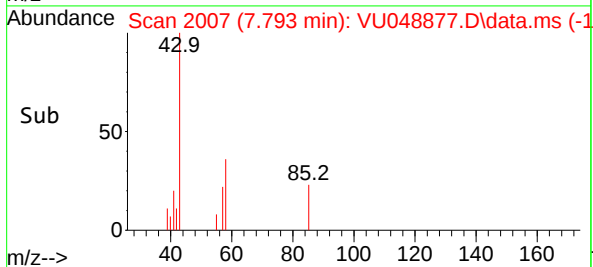
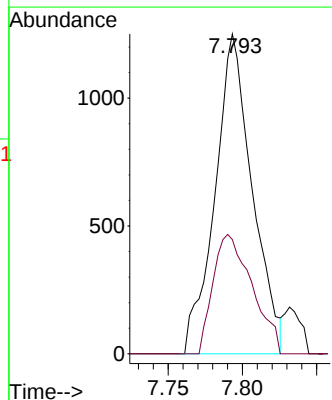
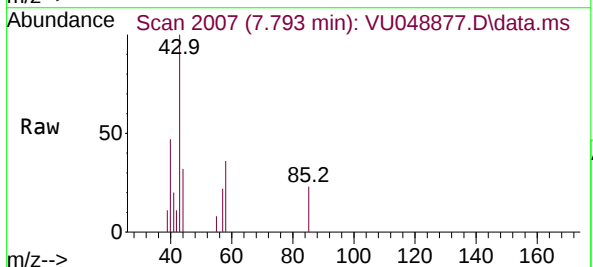
Acq: 06 Jun 2022 13:04

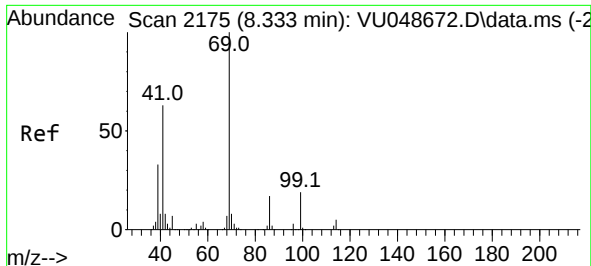
Tgt Ion: 43 Resp: 2183

Ion Ratio Lower Upper

43 100

58 39.1 32.7 49.1

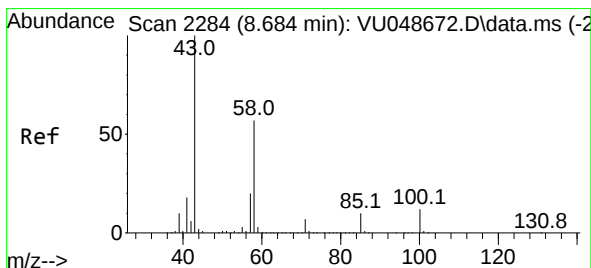
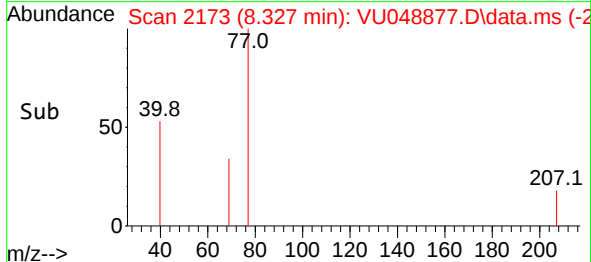
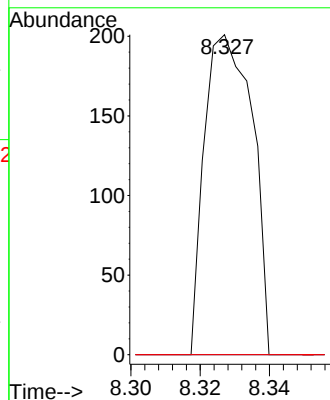
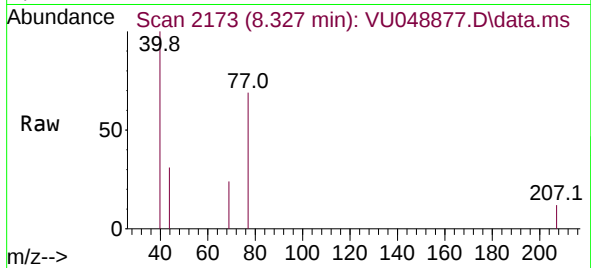




#56
Ethyl methacrylate
Concen: 2.645 ug/l
RT: 8.327 min Scan# 2175
Delta R.T. -0.006 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

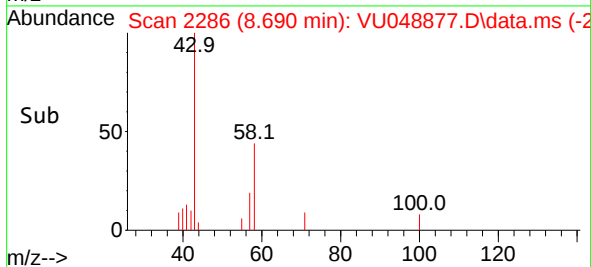
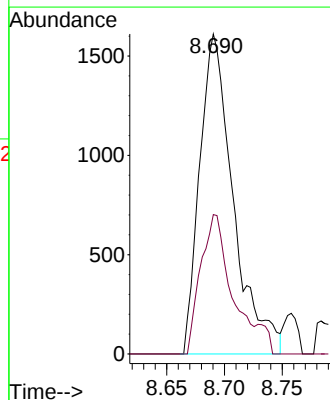
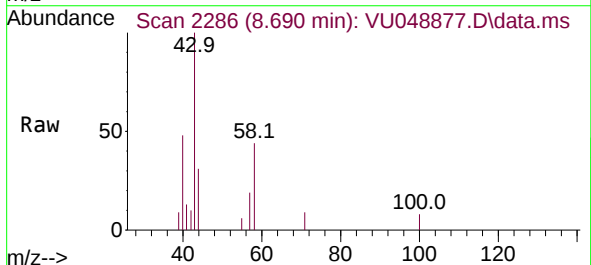
Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

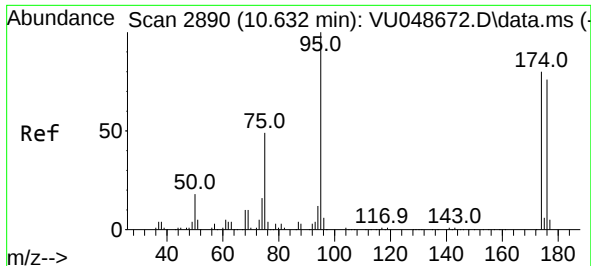
Tgt Ion: 69 Resp: 193
Ion Ratio Lower Upper
69 100
41 0.0 50.6 76.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.714 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 43 Resp: 3261
Ion Ratio Lower Upper
43 100
58 39.3 28.2 84.6





#62

4-Bromofluorobenzene

Concen: 44.840 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.000 min

Lab File: VU048877.D

Acq: 06 Jun 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VU0606WBL01

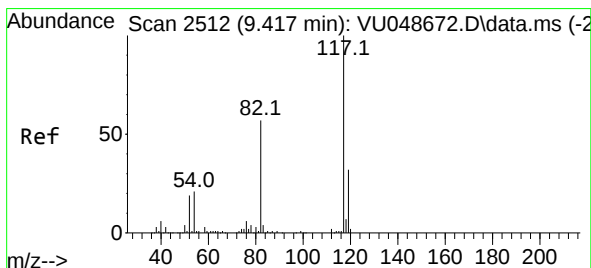
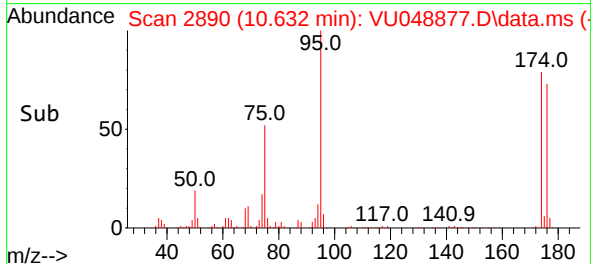
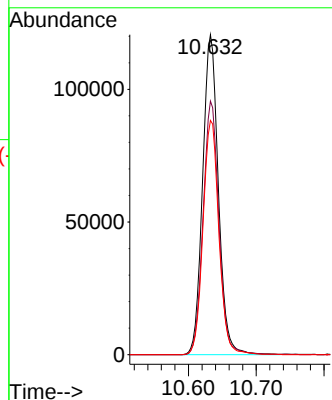
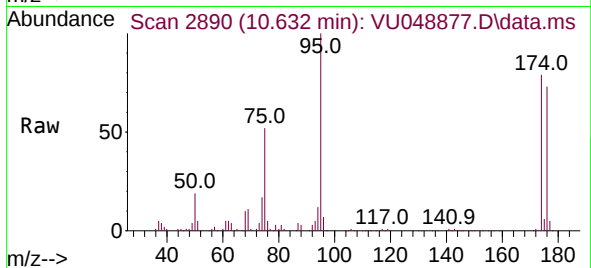
Tgt Ion: 95 Resp: 194485

Ion Ratio Lower Upper

95 100

174 79.6 0.0 159.4

176 73.9 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: VU048877.D

Acq: 06 Jun 2022 13:04

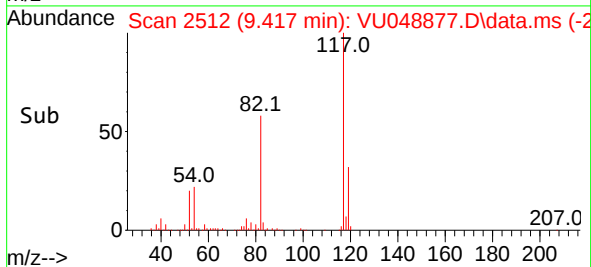
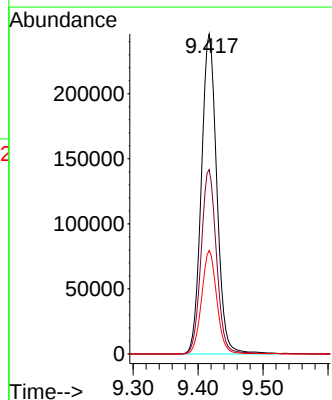
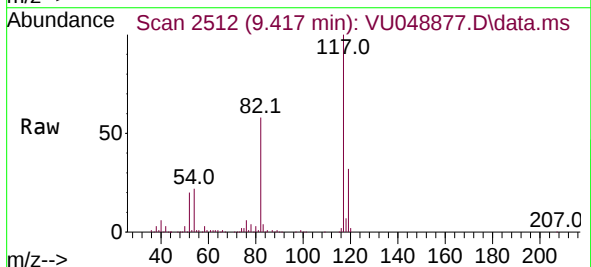
Tgt Ion: 117 Resp: 408162

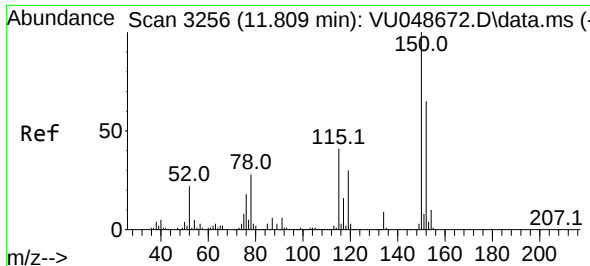
Ion Ratio Lower Upper

117 100

82 57.6 45.3 67.9

119 32.4 25.4 38.2

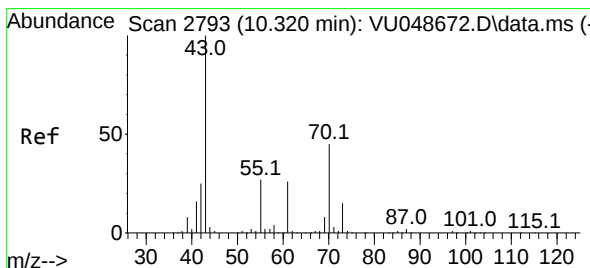
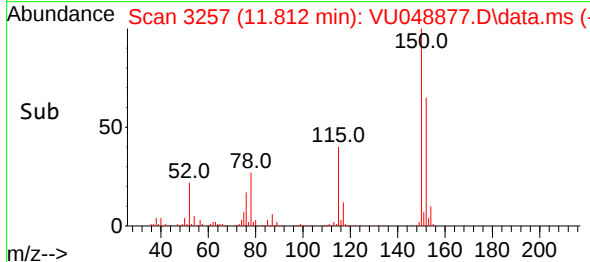
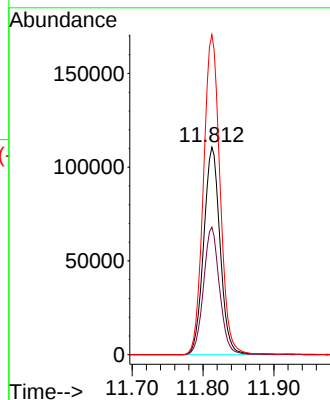
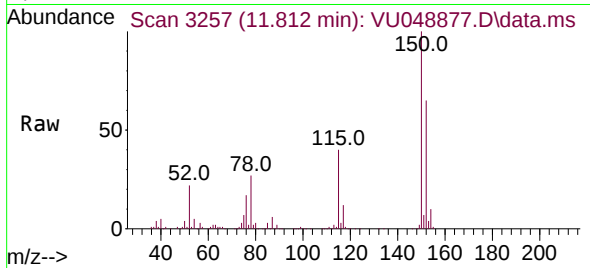




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

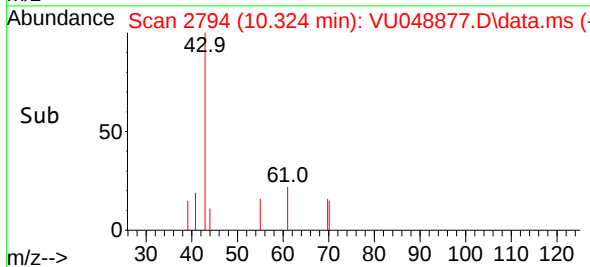
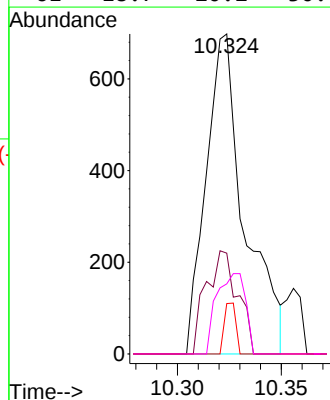
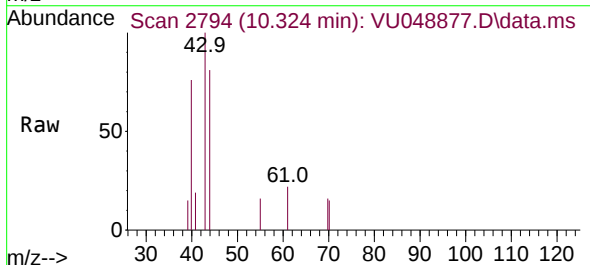
Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

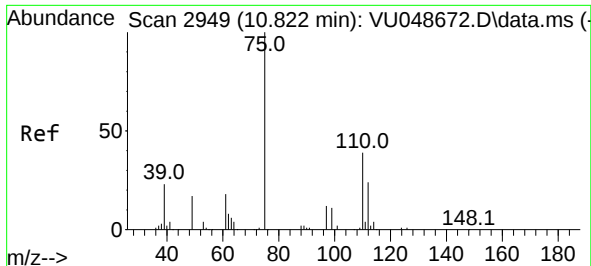
Tgt Ion:152 Resp: 178059
Ion Ratio Lower Upper
152 100
115 60.0 41.8 125.4
150 155.5 0.0 341.0



#74
N-amy1 acetate
Concen: 2.613 ug/l
RT: 10.324 min Scan# 2794
Delta R.T. 0.004 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
70 26.5 35.8 53.6#
55 4.8 21.1 31.7#
61 18.7 20.2 30.4#

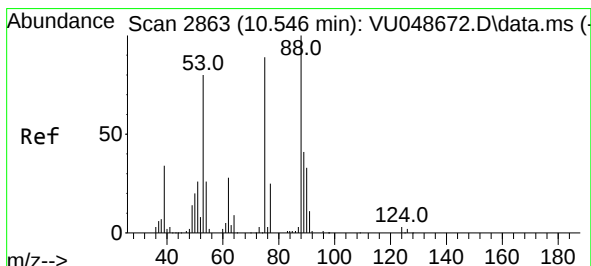
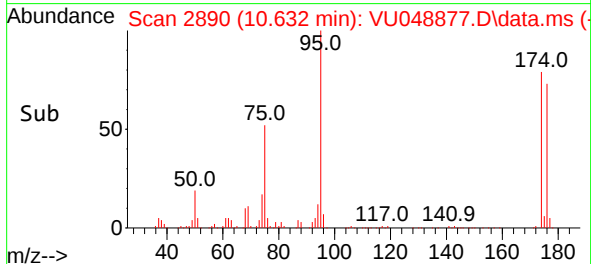
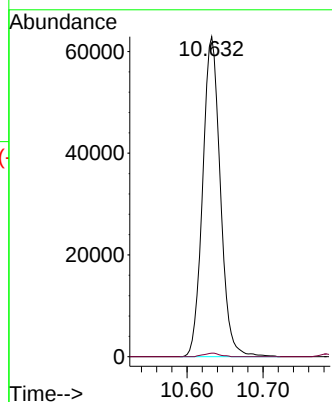
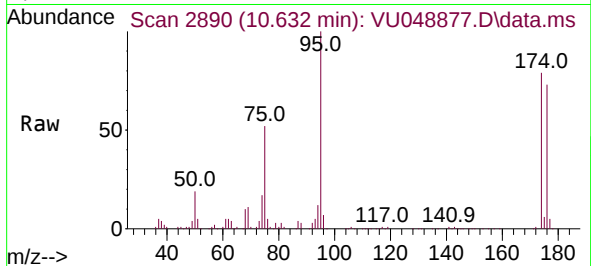




#76
1,2,3-Trichloropropane
Concen: 17.710 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

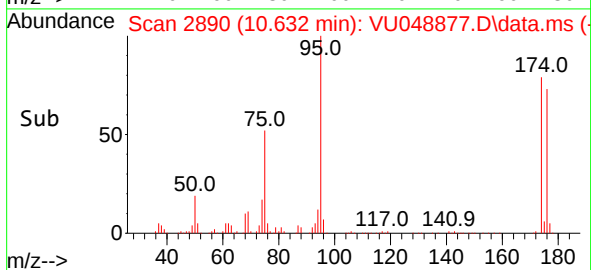
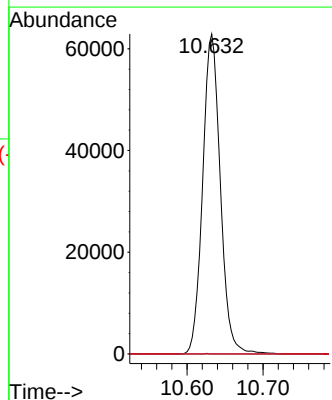
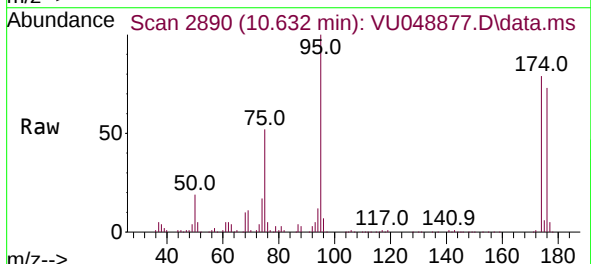
Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

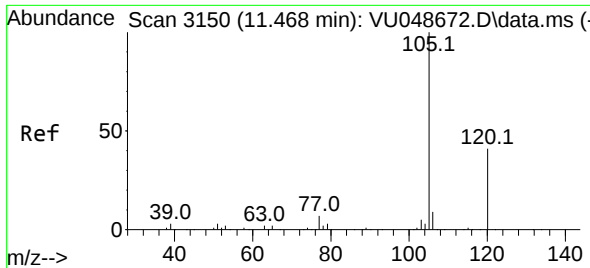
Tgt Ion: 75 Resp: 101675
Ion Ratio Lower Upper
75 100
77 1.0 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.303 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 75 Resp: 101675
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

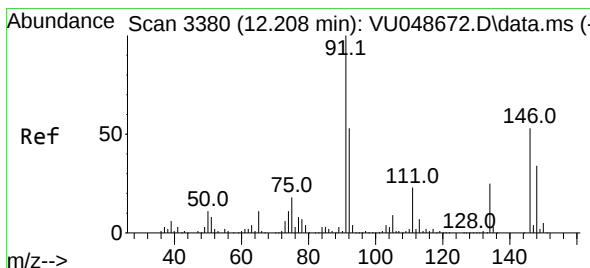
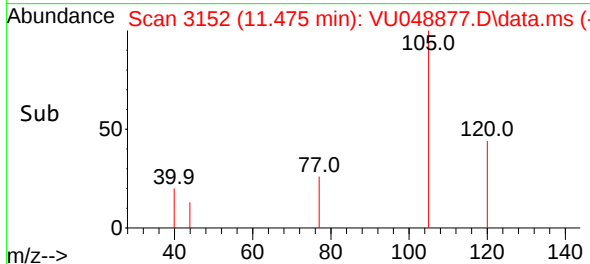
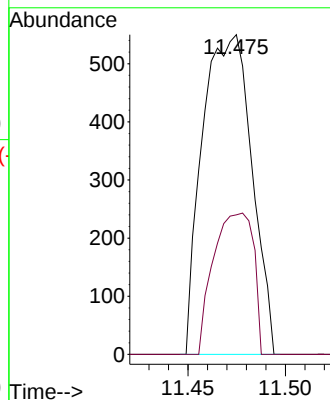
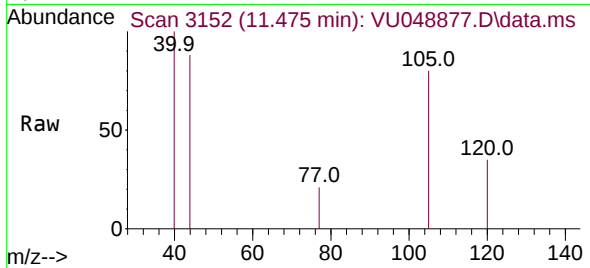




#84
1,2,4-Trimethylbenzene
Concen: 1.275 ug/l
RT: 11.475 min Scan# 3150
Delta R.T. 0.007 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

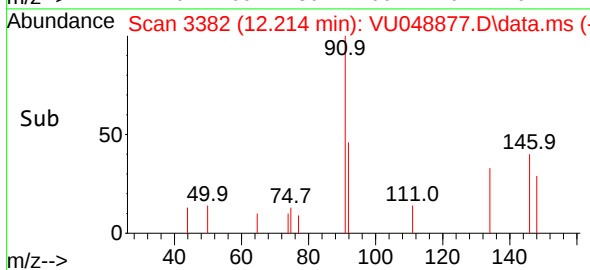
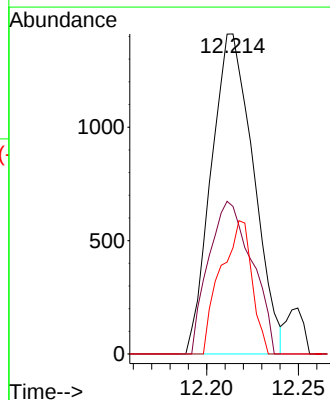
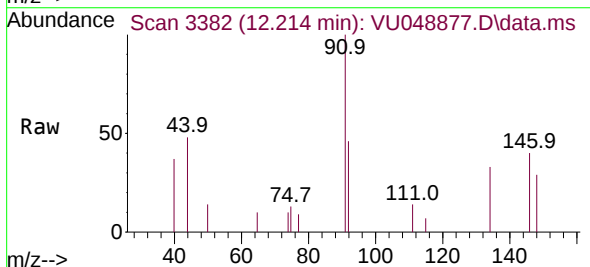
Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

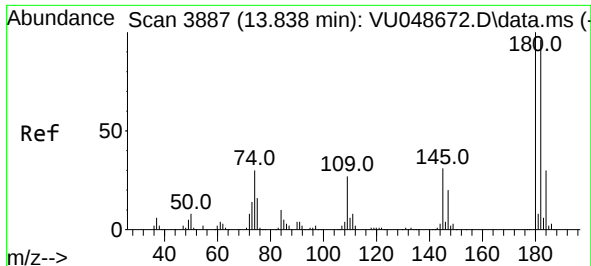
Tgt Ion:105 Resp: 967
Ion Ratio Lower Upper
105 100
120 35.9 22.5 67.5



#89
n-Butylbenzene
Concen: 2.394 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion: 91 Resp: 2252
Ion Ratio Lower Upper
91 100
92 49.1 25.9 77.8
134 30.9 12.5 37.5





#93

1,2,4-Trichlorobenzene

Concen: 0.500 ug/l

RT: 13.848 min Scan# 3890

Delta R.T. 0.010 min

Lab File: VU048877.D

Acq: 06 Jun 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VU0606WBL01

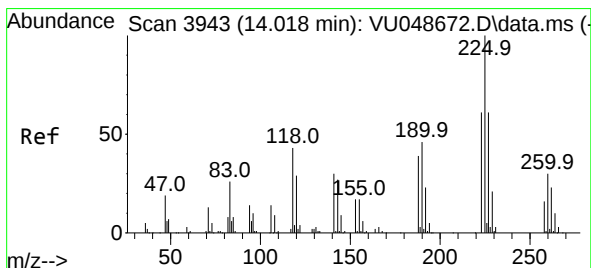
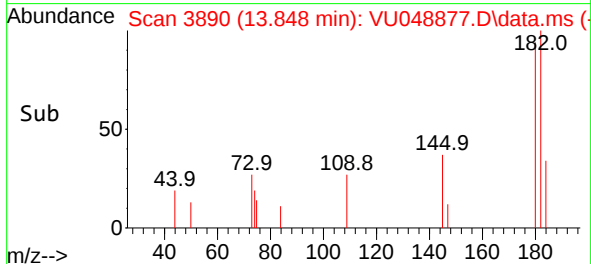
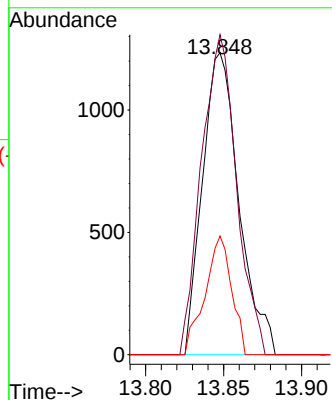
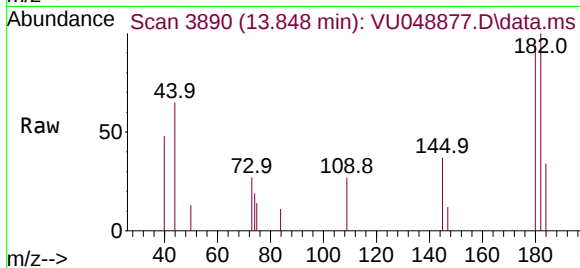
Tgt Ion:180 Resp: 2006

Ion Ratio Lower Upper

180 100

182 102.0 48.3 144.9

145 28.6 15.6 46.7



#94

Hexachlorobutadiene

Concen: 0.322 ug/l

RT: 14.018 min Scan# 3943

Delta R.T. 0.000 min

Lab File: VU048877.D

Acq: 06 Jun 2022 13:04

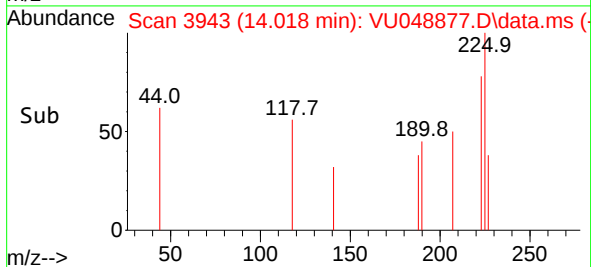
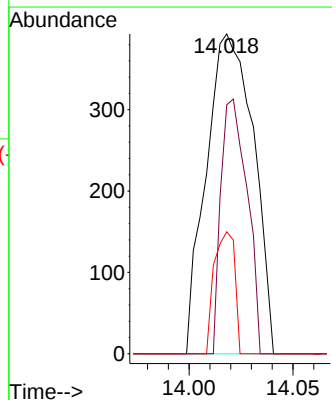
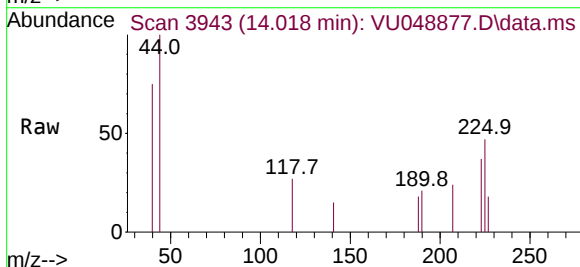
Tgt Ion:225 Resp: 620

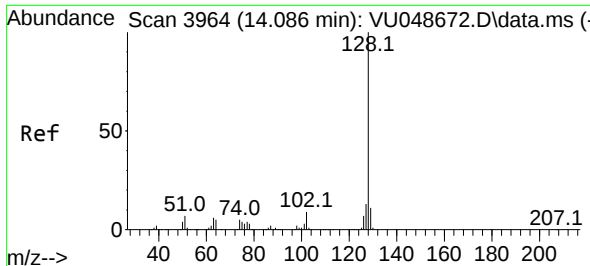
Ion Ratio Lower Upper

225 100

223 44.0 30.9 92.8

227 16.6 31.1 93.5#

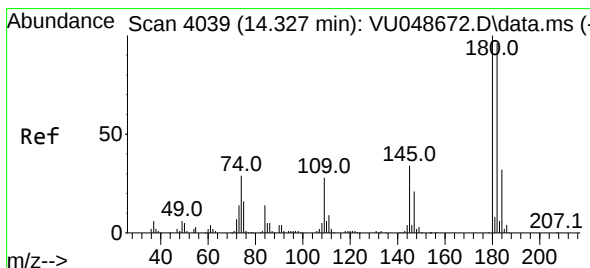
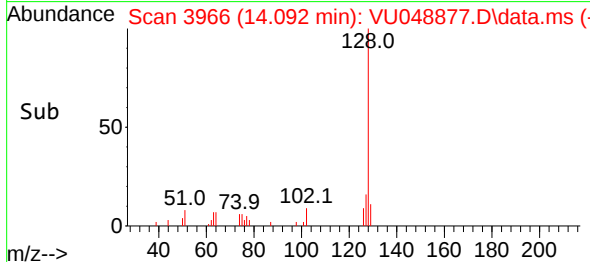
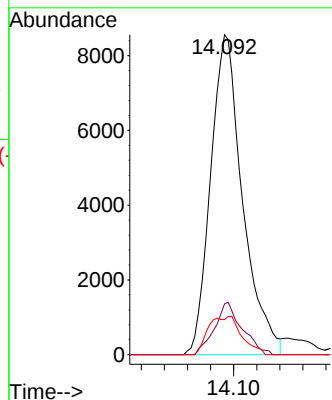
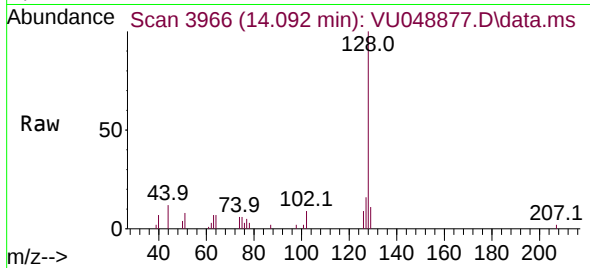




#95
Naphthalene
Concen: 3.648 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Instrument :
MSVOA_U
ClientSampleId :
VU0606WBL01

Tgt Ion:128	Resp:	16463
Ion Ratio	Lower	Upper
128	100	
127	14.1	10.2 15.4
129	12.5	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.731 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.006 min
Lab File: VU048877.D
Acq: 06 Jun 2022 13:04

Tgt Ion:180	Resp:	2904
Ion Ratio	Lower	Upper
180	100	
182	80.8	47.4 142.2
145	30.4	16.6 49.8

