

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060122\
 Data File : VU048776.D
 Acq On : 01 Jun 2022 12:45
 Operator : SY/MD
 Sample : VU0601WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0601WBL01

Quant Time: Jun 01 15:19:06 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)

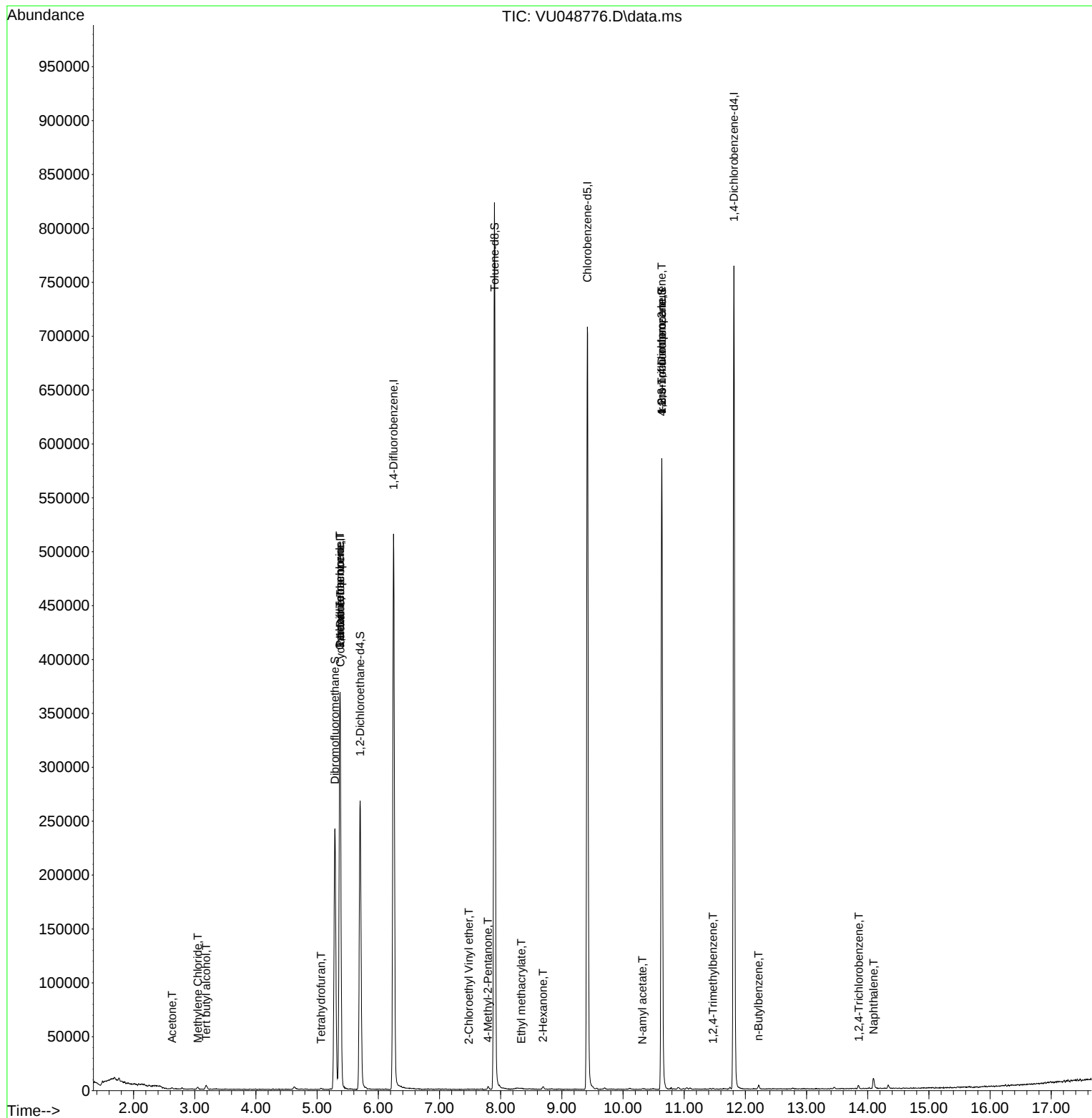
Internal Standards						
1) Pentafluorobenzene	5.375	168	253329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	422638	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	403155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	204439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	205883	54.115	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.240%	
35) Dibromofluoromethane	5.292	113	160011	53.068	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.140%	
50) Toluene-d8	7.899	98	560676	51.874	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	10.636	95	207438	50.748	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.858	94	226	Below Cal		86
6) Chloroethane	1.986	64	141	Below Cal	#	43
11) Tert butyl alcohol	3.189	59	2204	2.285	ug/l #	28
13) Acrolein	2.494	56	142	Below Cal	#	52
16) Acetone	2.629	43	1544	0.796	ug/l	93
20) Methylene Chloride	3.051	84	923	0.280	ug/l #	82
29) Tetrahydrofuran	5.067	42	513	0.292	ug/l #	56
31) Cyclohexane	5.378	56	5212	1.087	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	20374	4.630	ug/l #	49
38) Carbon Tetrachloride	5.372	117	26656	5.280	ug/l #	17
51) 4-Methyl-2-Pentanone	7.793	43	2115	0.403	ug/l #	79
56) Ethyl methacrylate	8.337	69	198	2.648	ug/l #	61
58) 2-Chloroethyl Vinyl ether	7.481	63	20	29.772	ug/l #	47
59) 2-Hexanone	8.693	43	2332	0.542	ug/l	94
74) N-amyl acetate	10.317	43	369	2.519	ug/l #	49
76) 1,2,3-Trichloropropane	10.632	75	103285	15.669	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	103285	56.893	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	870	1.256	ug/l	98
89) n-Butylbenzene	12.214	91	1373	2.296	ug/l	94
93) 1,2,4-Trichlorobenzene	13.854	180	1417	0.308	ug/l	80
95) Naphthalene	14.095	128	9905	3.117	ug/l	98

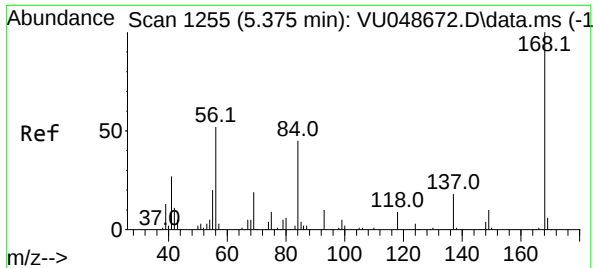
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 01 15:19:06 2022
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Quant Title : SW846 8260
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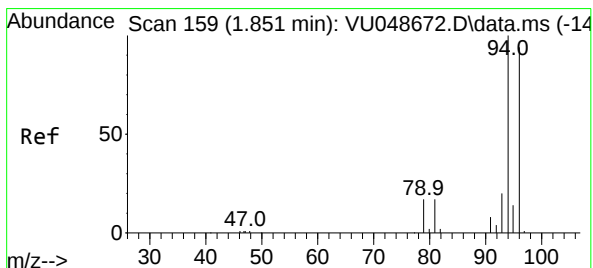
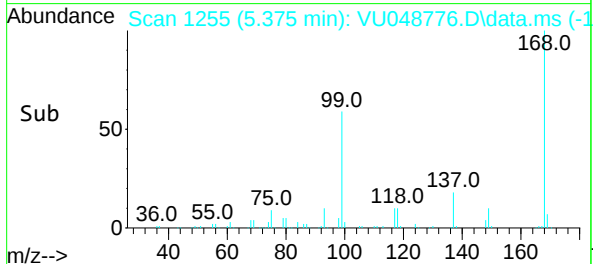
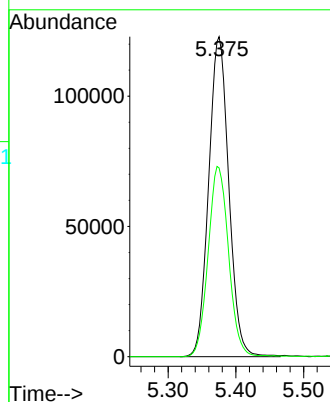
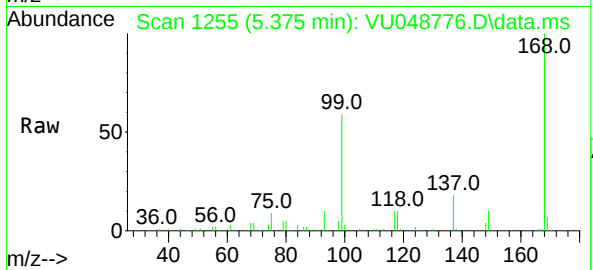




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

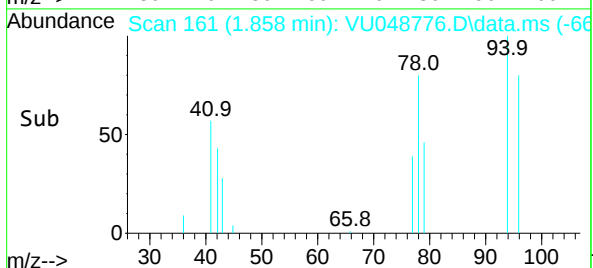
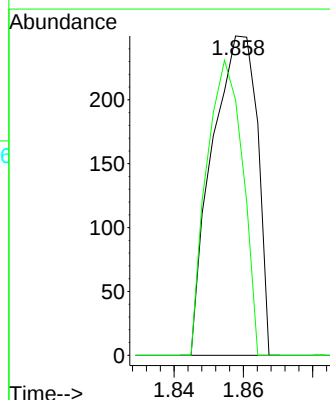
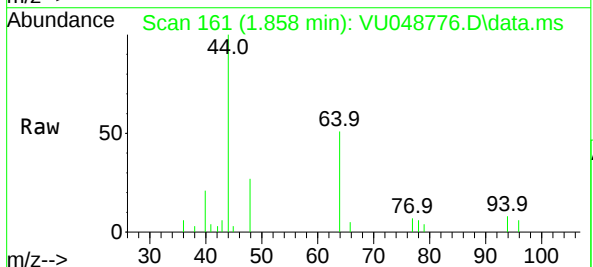
Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

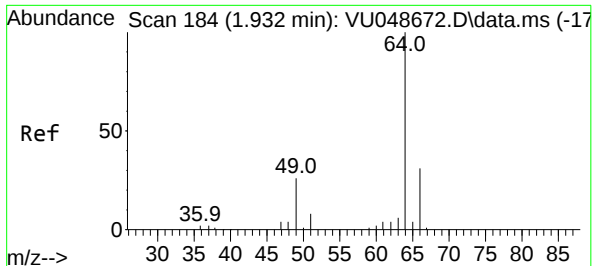
Tgt Ion:168 Resp: 253329
Ion Ratio Lower Upper
168 100
99 59.0 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.007 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 80.0 75.1 112.7

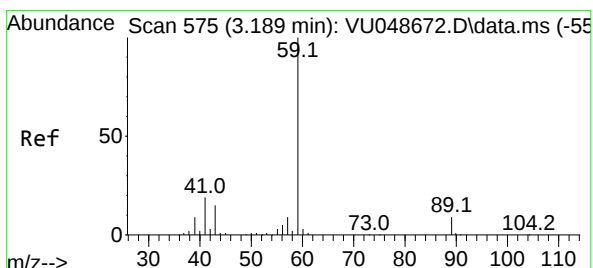
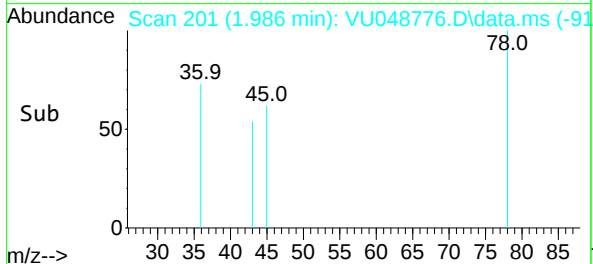
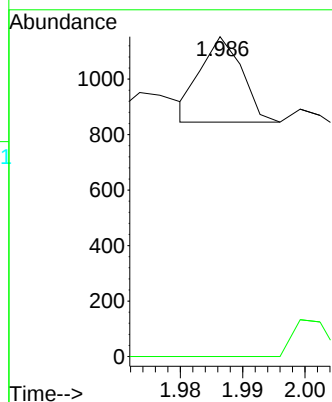
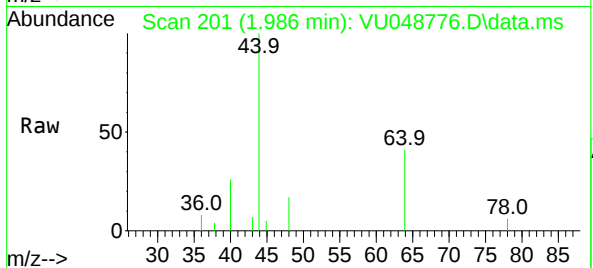




#6
Chloroethane
Concen: Below Cal
RT: 1.986 min Scan# 201
Delta R.T. 0.054 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

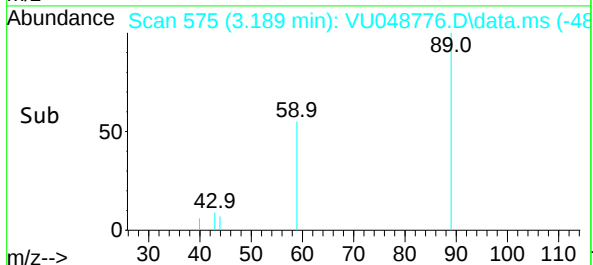
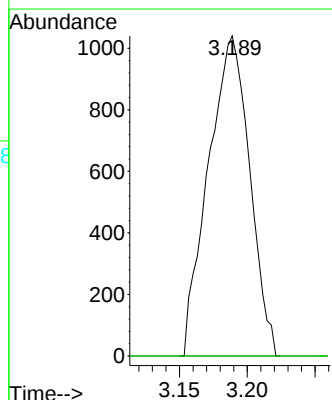
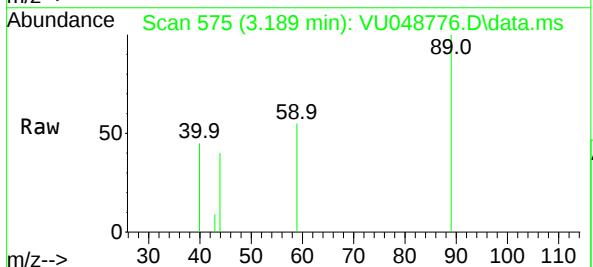
Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

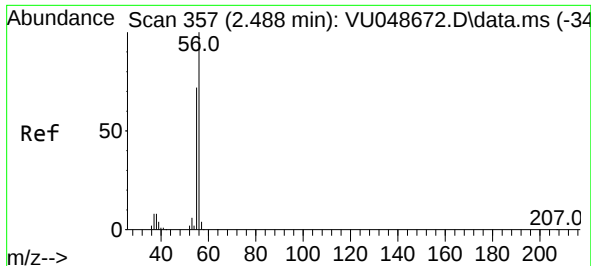
Tgt Ion: 64 Resp: 141
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 2.285 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.000 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Tgt Ion: 59 Resp: 2204
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

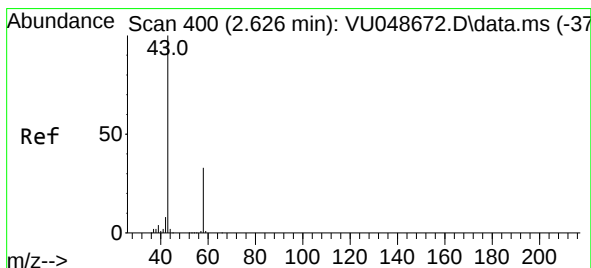
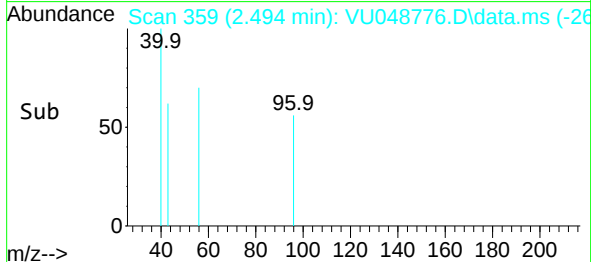
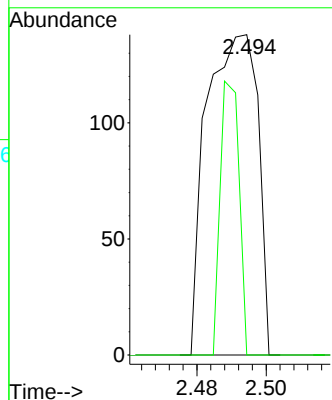
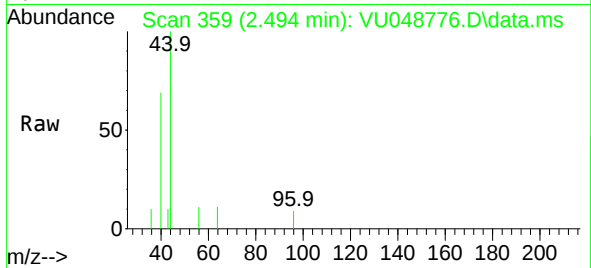




#13
Acrolein
Concen: Below Cal
RT: 2.494 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

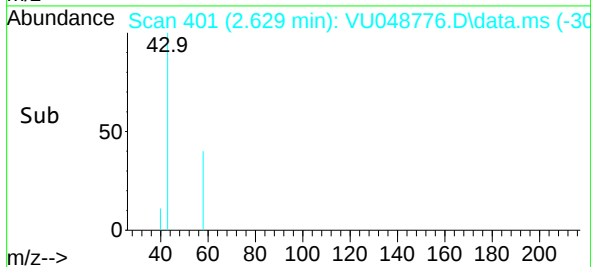
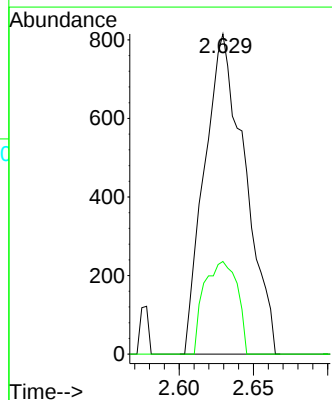
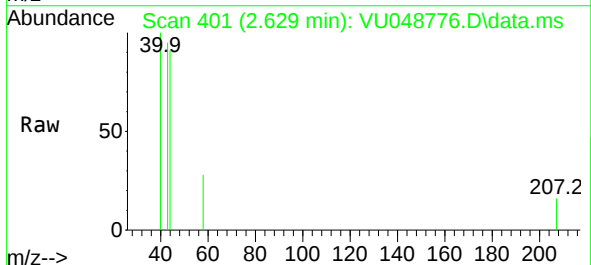
Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

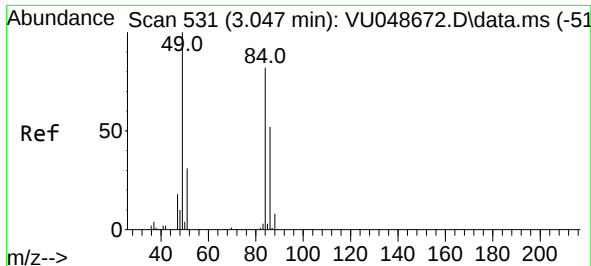
Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 31.7 57.7 86.5#



#16
Acetone
Concen: 0.796 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

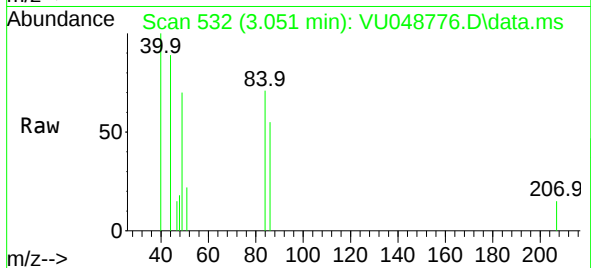
Tgt Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
58 29.0 26.3 39.5



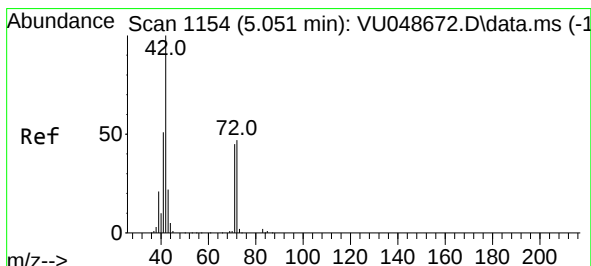
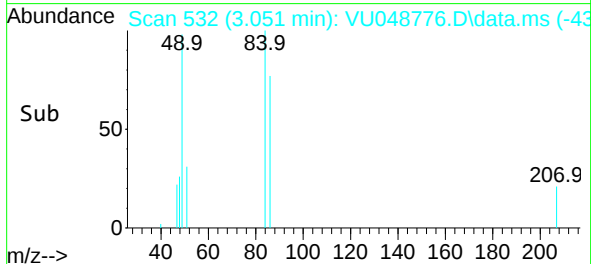
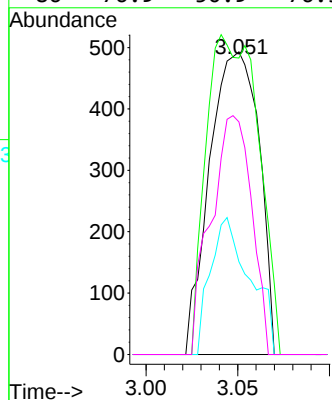


#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

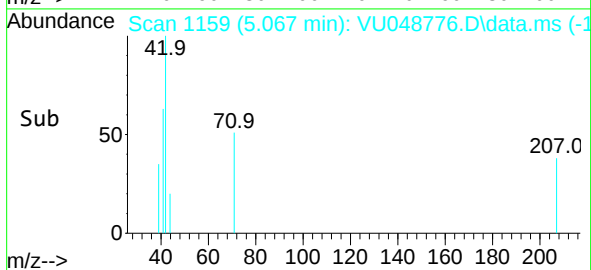
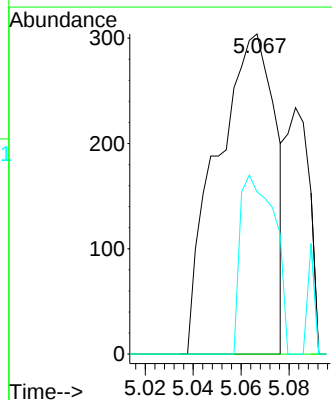
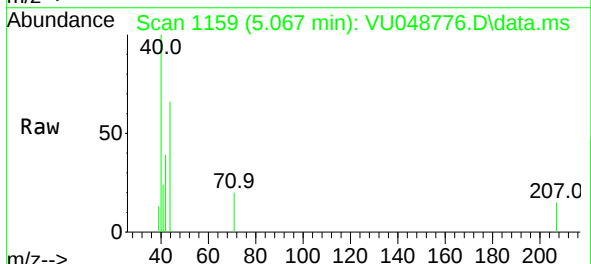


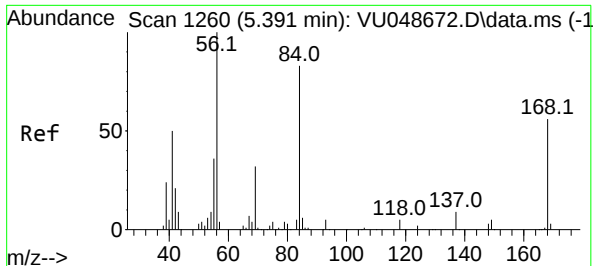
Tgt Ion:	84	Resp:	923
Ion	Ratio	Lower	Upper
84	100		
49	98.0	97.0	145.4
51	30.6	29.8	44.8
86	76.9	50.9	76.3#



#29
Tetrahydrofuran
Concen: 0.292 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.016 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

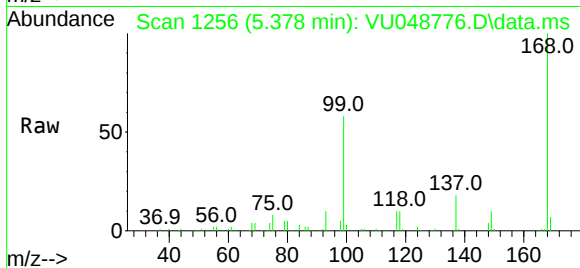
Tgt Ion:	42	Resp:	513
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	33.1	35.0	52.4#



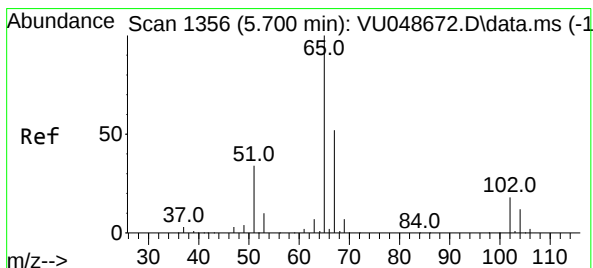
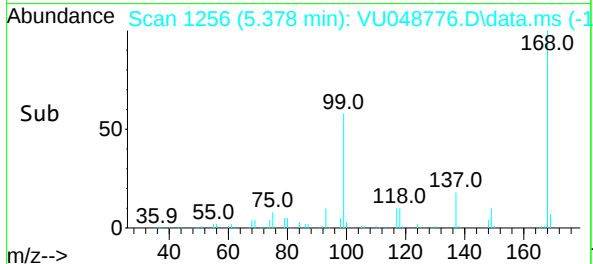
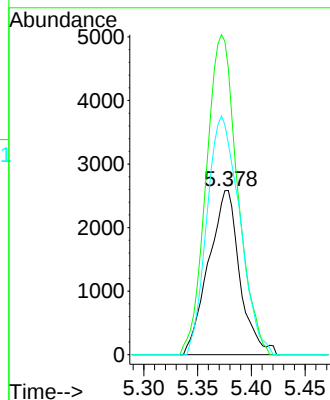


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Instrument :
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ClientSampleId :
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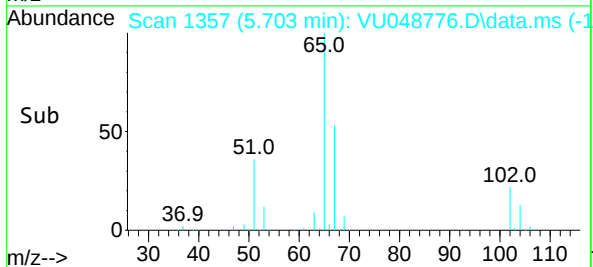
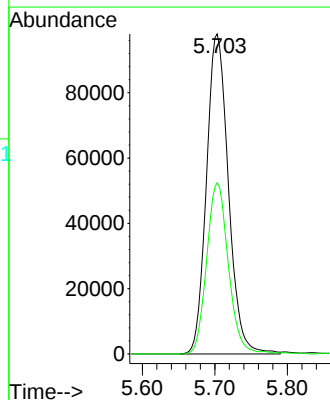
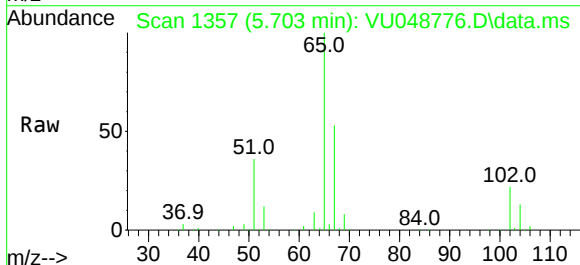


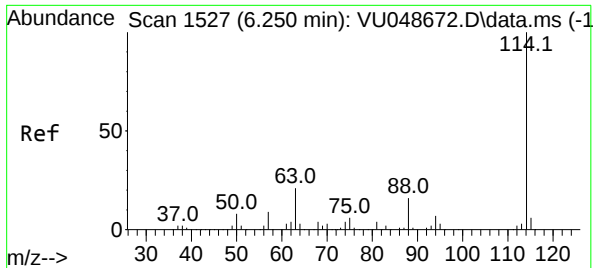
Tgt Ion: 56 Resp: 5212
Ion Ratio Lower Upper
56 100
69 174.3 25.6 38.4#
84 128.6 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 54.115 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Tgt Ion: 65 Resp: 205883
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0

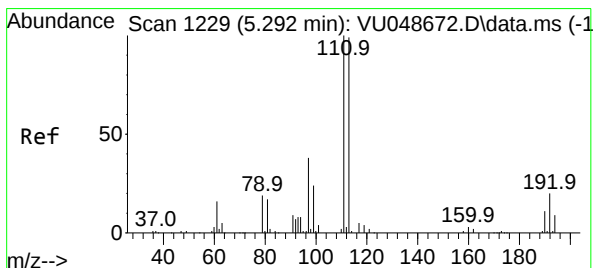
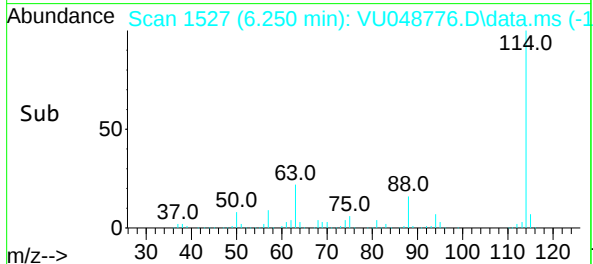
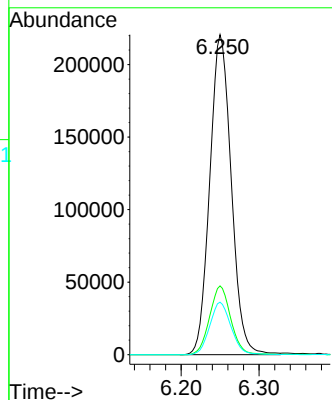
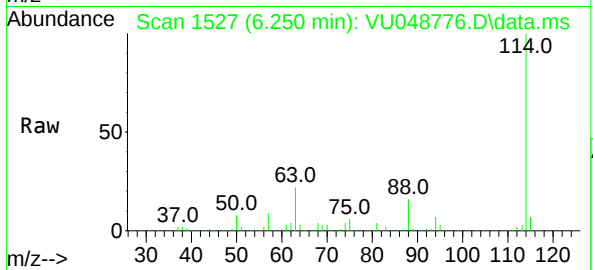




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

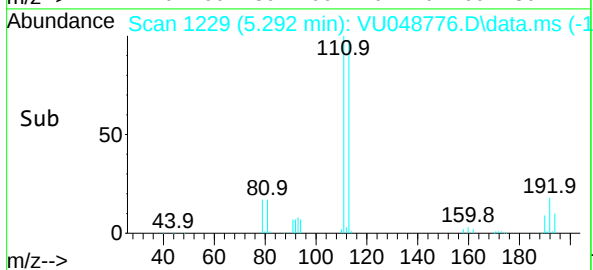
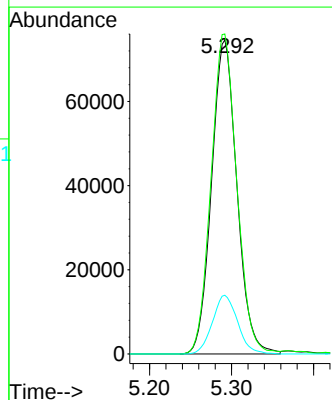
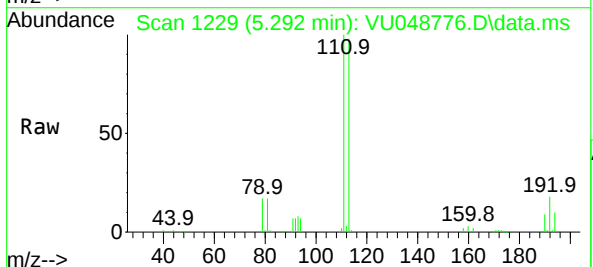
Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

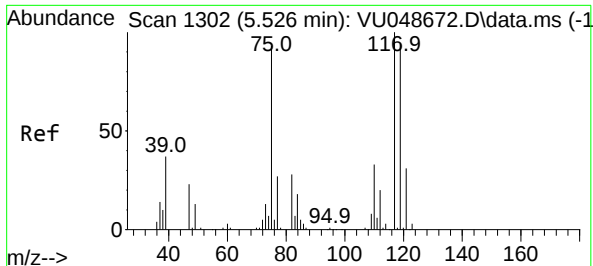
Tgt Ion:114 Resp: 422638
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.6
88 16.4 0.0 32.2



#35
Dibromofluoromethane
Concen: 53.068 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Tgt Ion:113 Resp: 160011
Ion Ratio Lower Upper
113 100
111 103.3 80.7 121.1
192 18.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.630 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.151 min

Lab File: VU048776.D

Acq: 01 Jun 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

VU0601WBL01

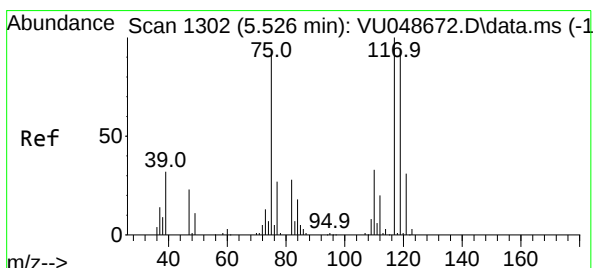
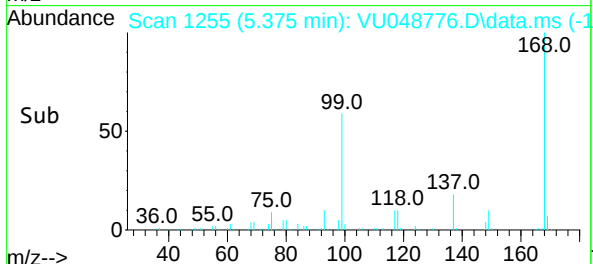
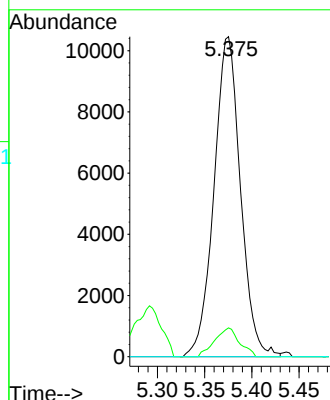
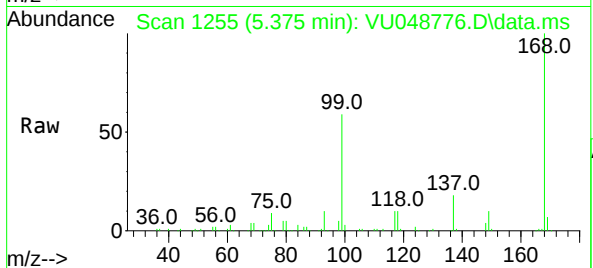
Tgt Ion: 75 Resp: 20374

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.280 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048776.D

Acq: 01 Jun 2022 12:45

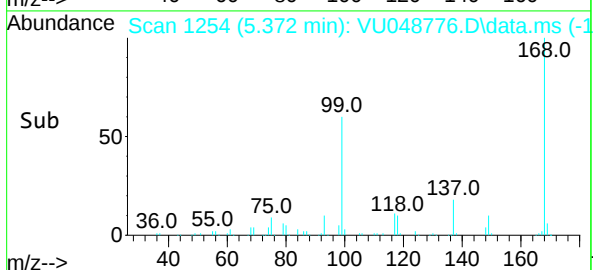
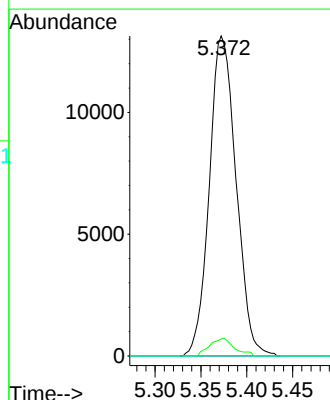
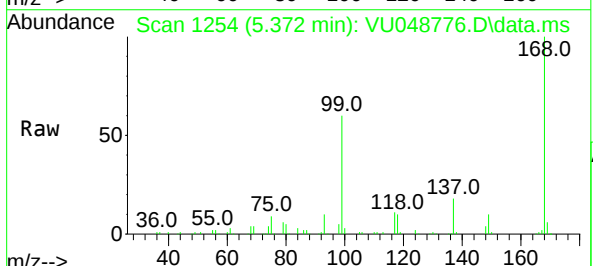
Tgt Ion: 117 Resp: 26656

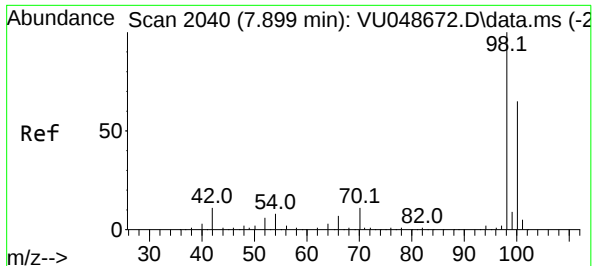
Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.2#

121 0.0 24.6 36.8#

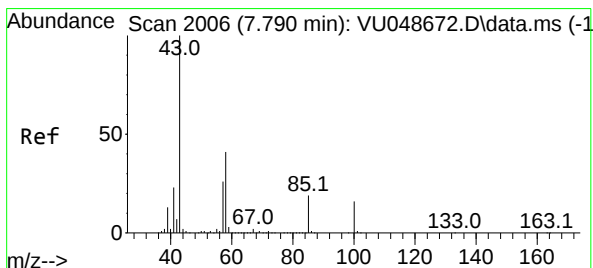
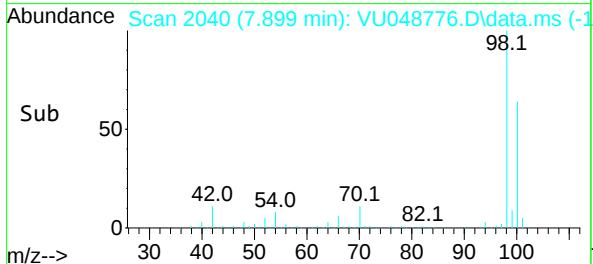
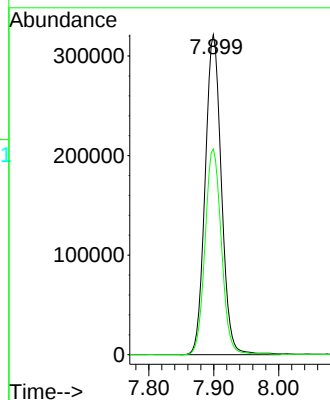
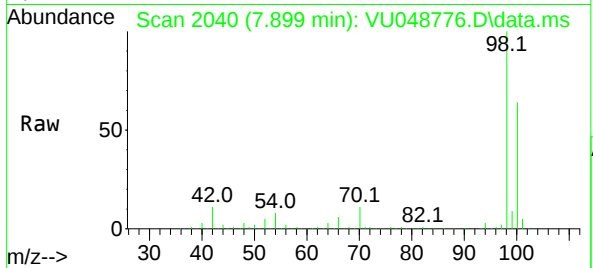




#50
Toluene-d8
Concen: 51.874 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

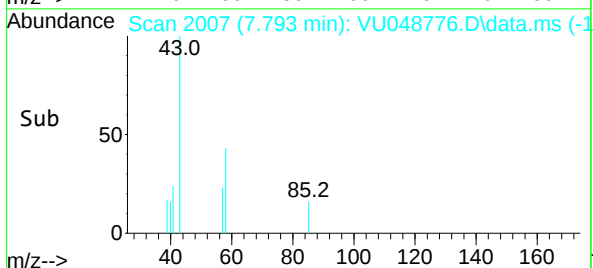
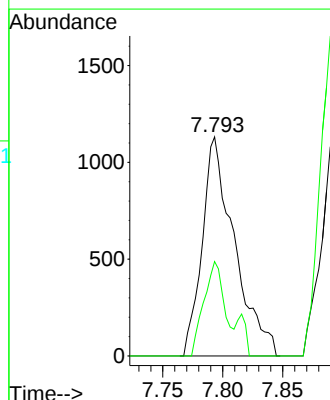
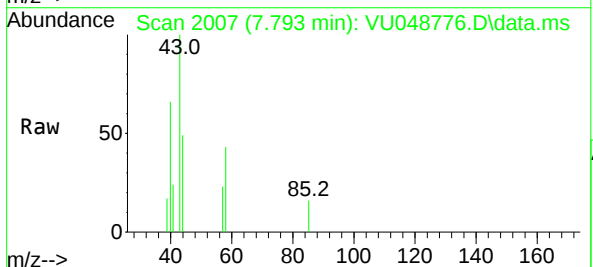
Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

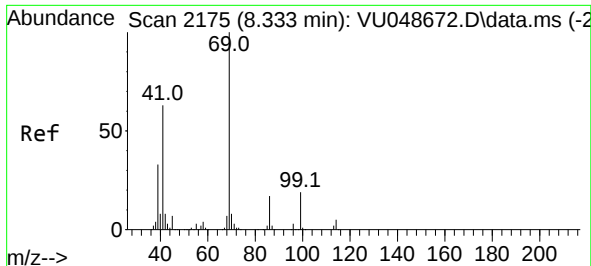
Tgt Ion: 98 Resp: 560676
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.403 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Tgt Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
58 27.9 32.7 49.1#

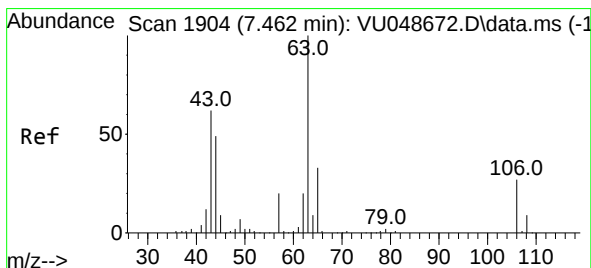
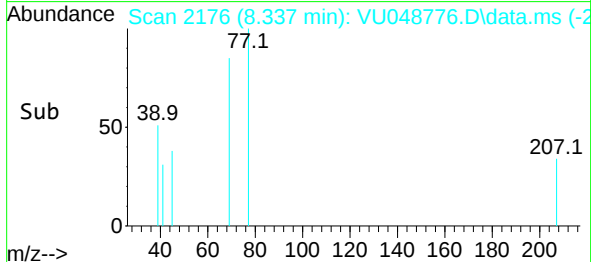
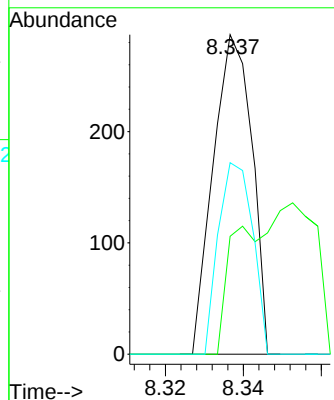
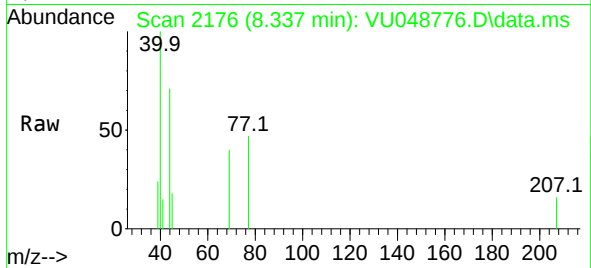




#56
Ethyl methacrylate
Concen: 2.648 ug/l
RT: 8.337 min Scan# 2175
Delta R.T. 0.004 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

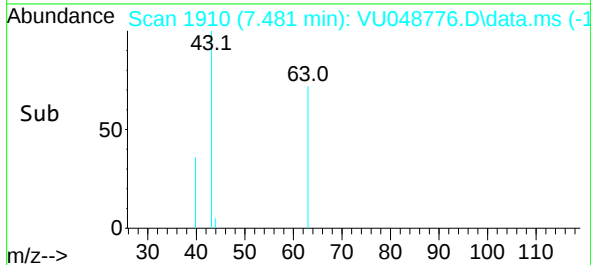
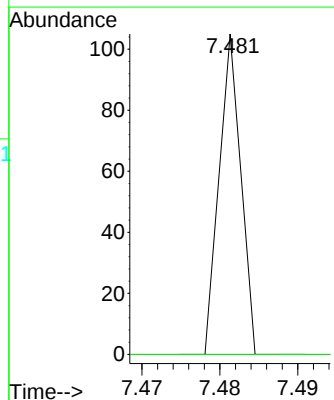
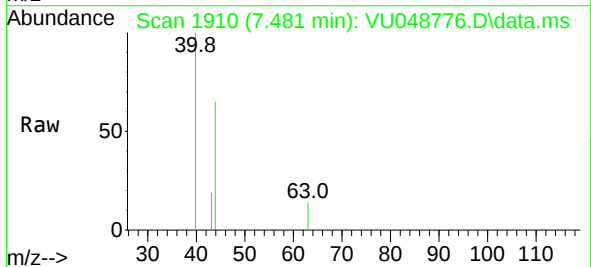
Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

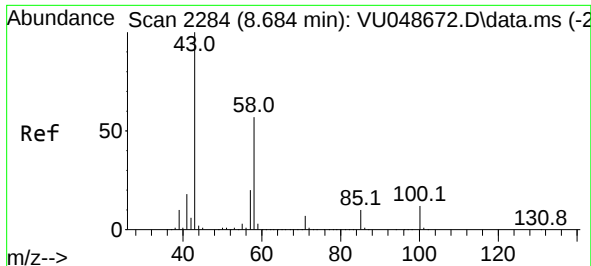
Tgt Ion: 69 Resp: 198
Ion Ratio Lower Upper
69 100
41 31.3 50.6 76.0#
39 53.0 26.6 40.0#



#58
2-Chloroethyl Vinyl ether
Concen: 29.772 ug/l
RT: 7.481 min Scan# 1910
Delta R.T. 0.019 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#





#59

2-Hexanone

Concen: 0.542 ug/l

RT: 8.693 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU048776.D

Acq: 01 Jun 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

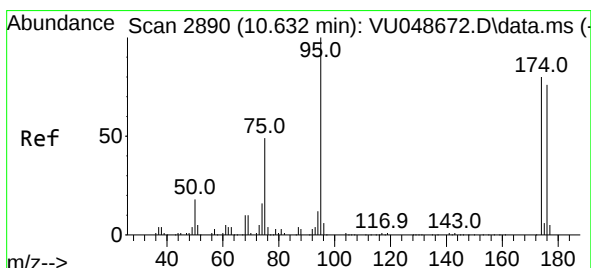
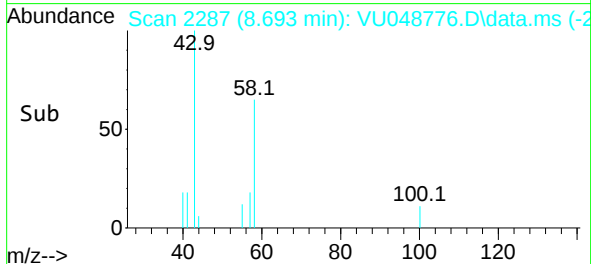
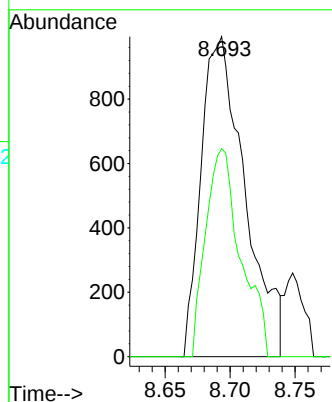
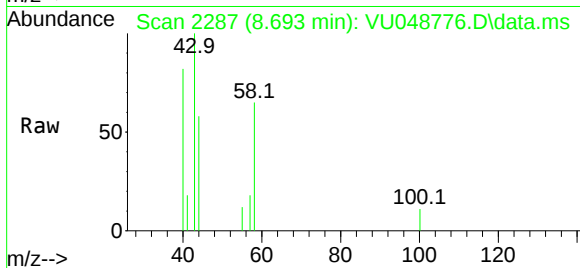
VU0601WBL01

Tgt Ion: 43 Resp: 2332

Ion Ratio Lower Upper

43 100

58 51.8 28.2 84.6



#62

4-Bromofluorobenzene

Concen: 50.748 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU048776.D

Acq: 01 Jun 2022 12:45

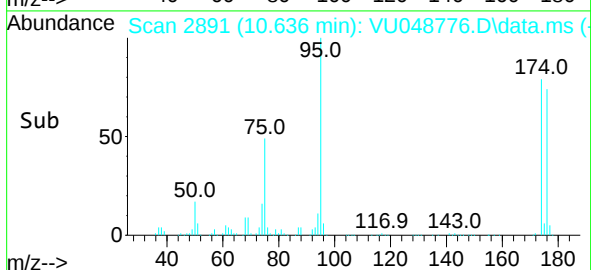
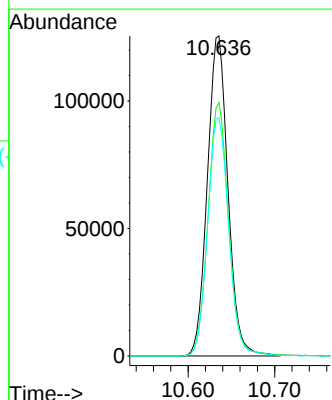
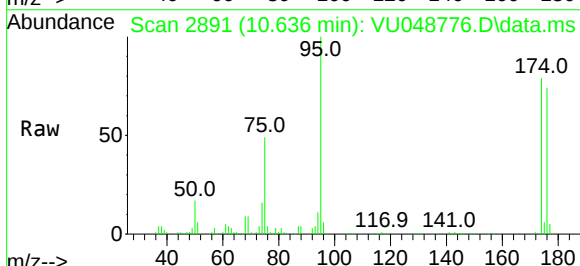
Tgt Ion: 95 Resp: 207438

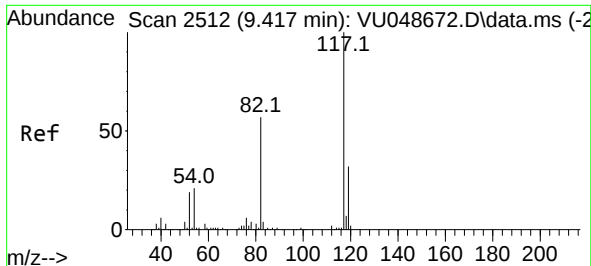
Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.4

176 76.2 0.0 152.4

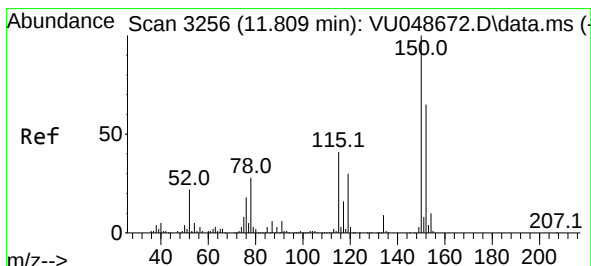
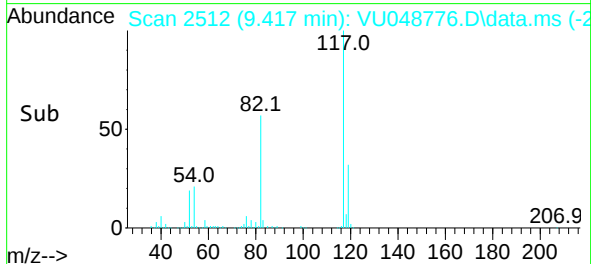
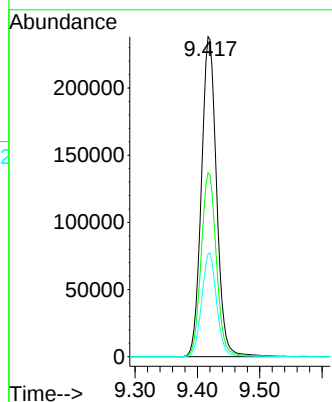
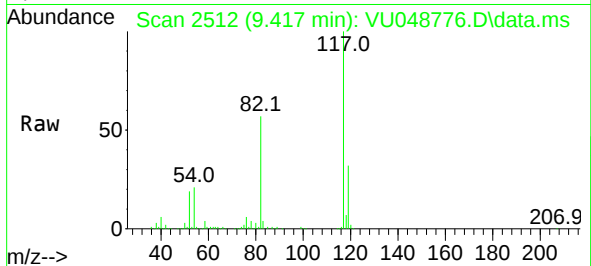




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

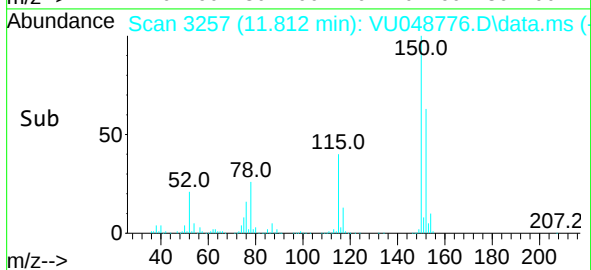
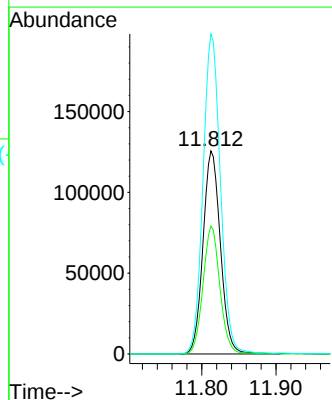
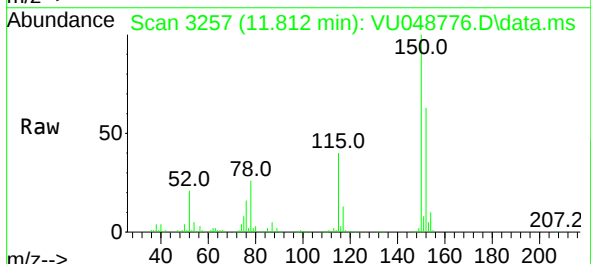
Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

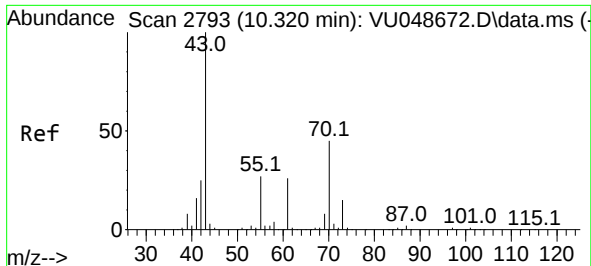
Tgt Ion:117 Resp: 403155
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Tgt Ion:152 Resp: 204439
Ion Ratio Lower Upper
152 100
115 61.1 41.8 125.4
150 157.6 0.0 341.0

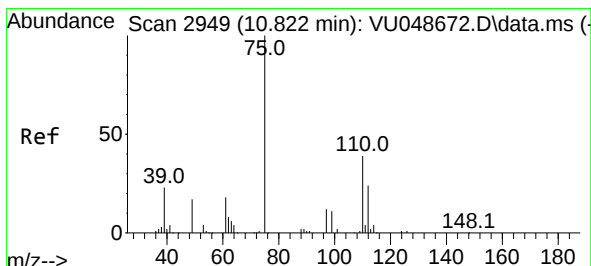
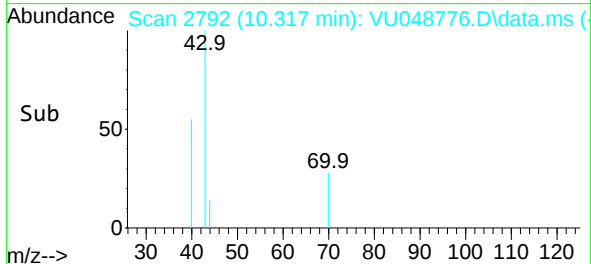
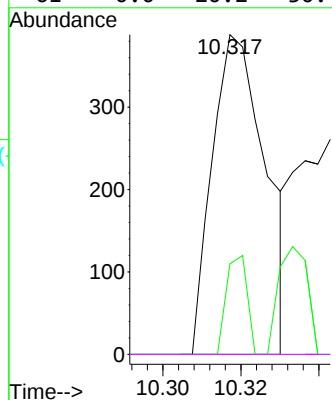
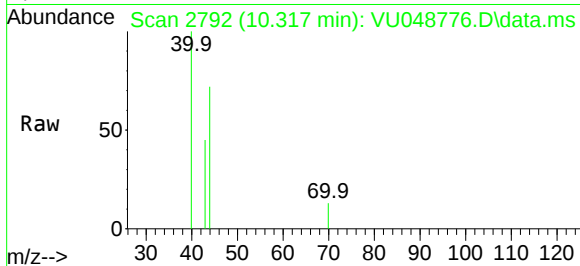




#74
N-amy1 acetate
Concen: 2.519 ug/l
RT: 10.317 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

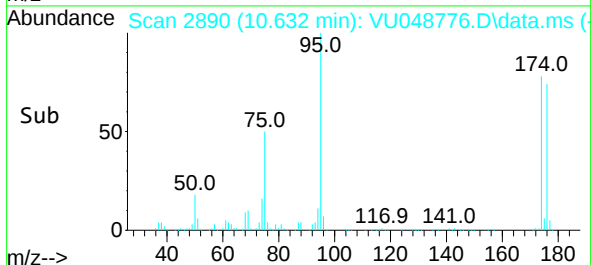
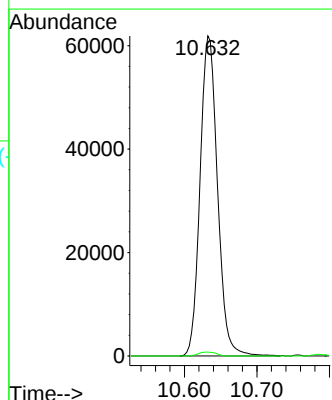
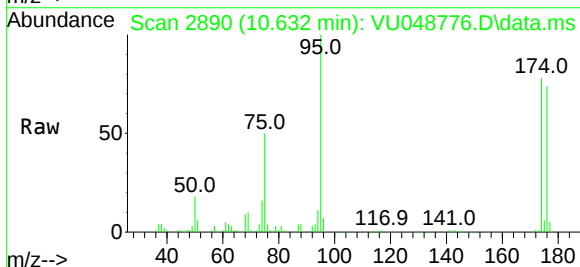
Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

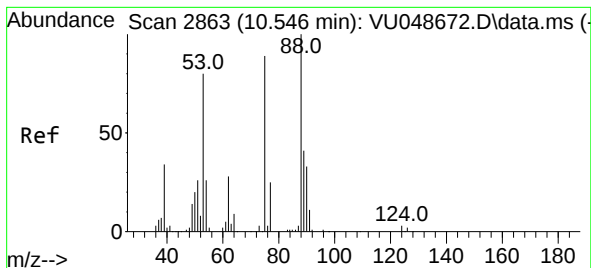
Tgt Ion: 43	Resp: 369
Ion Ratio	Lower Upper
43 100	
70 11.9	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.669 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Tgt Ion: 75	Resp: 103285
Ion Ratio	Lower Upper
75 100	
77 1.2	14.8 44.3#

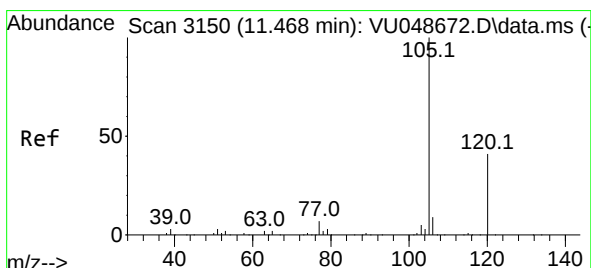
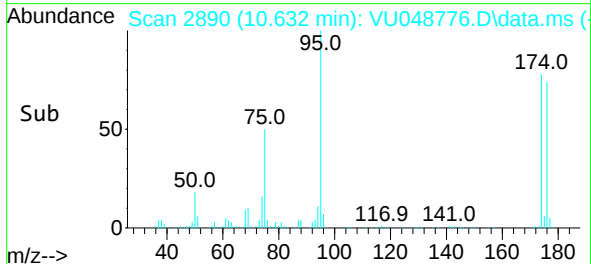
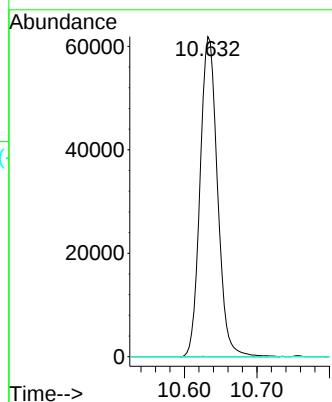
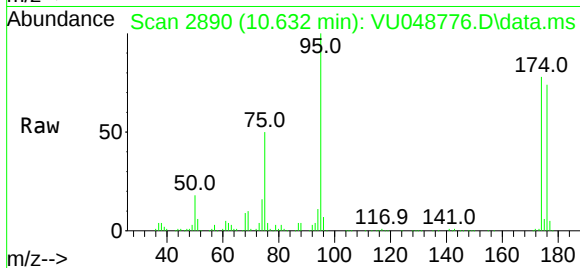




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.893 ug/l
 RT: 10.632 min Scan# 21
 Delta R.T. 0.087 min
 Lab File: VU048776.D
 Acq: 01 Jun 2022 12:45

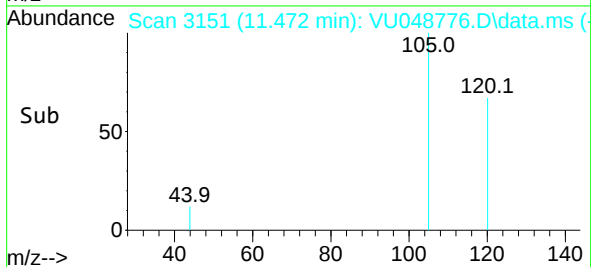
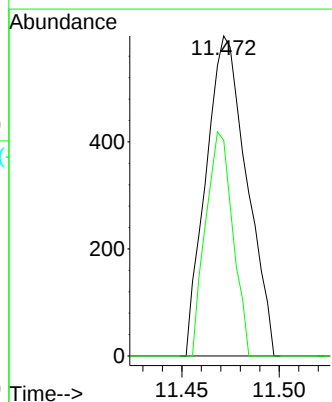
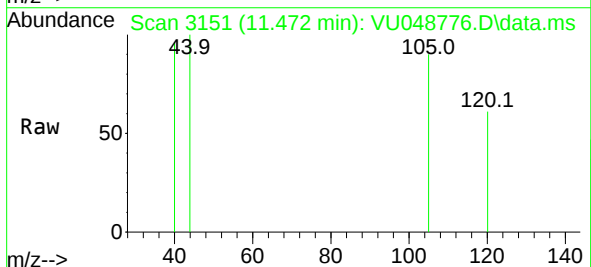
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0601WBL01

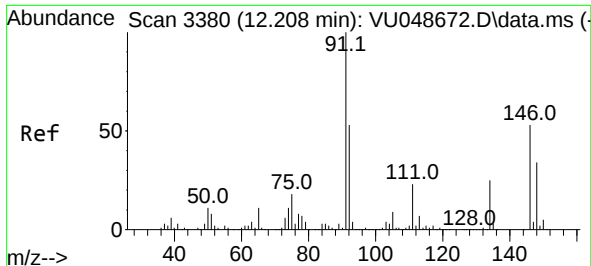
Tgt Ion: 75 Resp: 103285
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.256 ug/l
 RT: 11.472 min Scan# 3151
 Delta R.T. 0.004 min
 Lab File: VU048776.D
 Acq: 01 Jun 2022 12:45

Tgt Ion: 105 Resp: 870
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.5 67.5

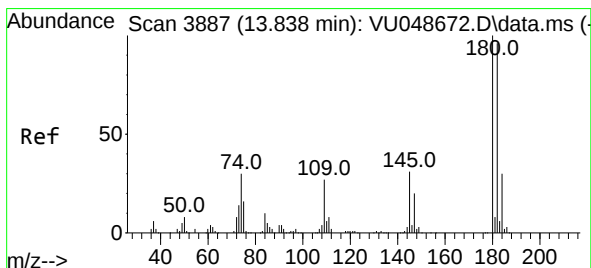
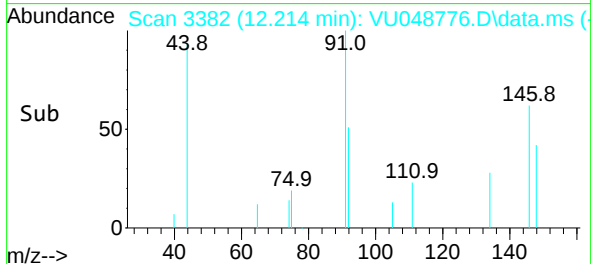
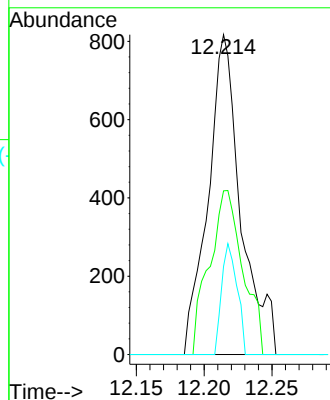
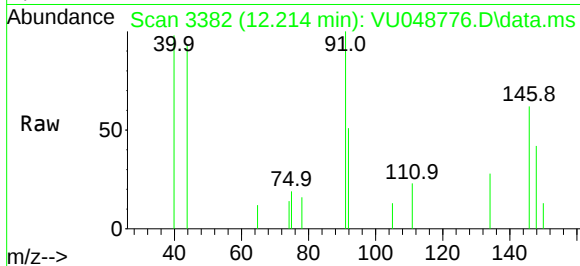




#89
n-Butylbenzene
Concen: 2.296 ug/l
RT: 12.214 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

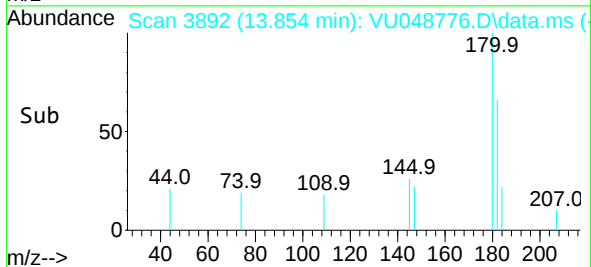
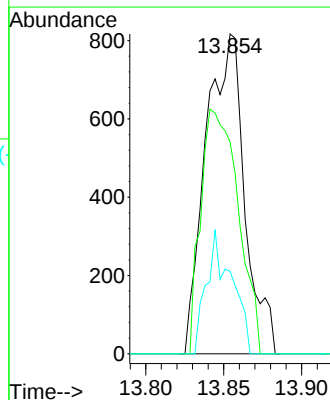
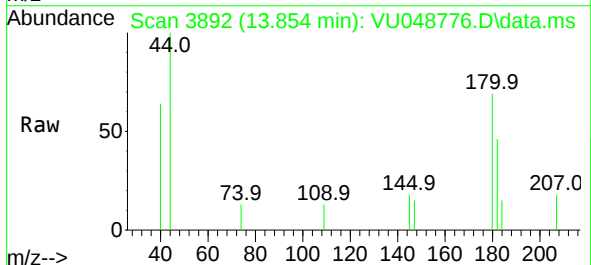
Instrument :
MSVOA_U
ClientSampleId :
VU0601WBL01

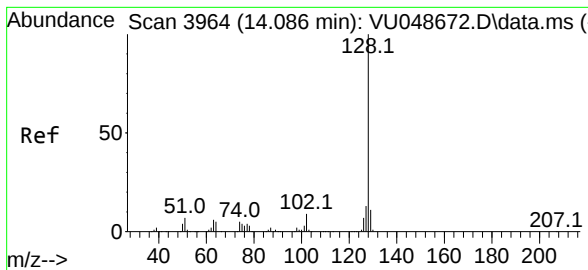
Tgt Ion: 91	Resp:	1373
Ion	Ratio	Lower Upper
91	100	
92	52.6	25.9 77.8
134	16.2	12.5 37.5



#93
1,2,4-Trichlorobenzene
Concen: 0.308 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VU048776.D
Acq: 01 Jun 2022 12:45

Tgt Ion: 180	Resp:	1417
Ion	Ratio	Lower Upper
180	100	
182	73.5	48.3 144.9
145	25.1	15.6 46.7





#95
 Naphthalene
 Concen: 3.117 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.009 min
 Lab File: VU048776.D
 Acq: 01 Jun 2022 12:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0601WBL01

Tgt Ion:	128	Resp:	9905
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	9.9	8.7	13.1

