

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048849.D
 Acq On : 03 Jun 2022 11:53
 Operator : SY/MD
 Sample : VU0603WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0603WBL01

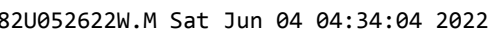
Quant Time: Jun 04 04:33:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

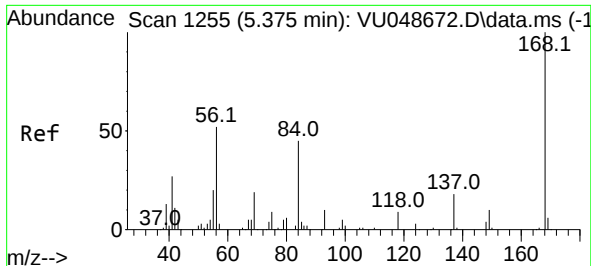
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.372	168	308831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	486887	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	454699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	186519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	222503	47.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.940%		
35) Dibromofluoromethane	5.289	113	166843	48.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.060%		
50) Toluene-d8	7.896	98	611709	49.127	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.260%		
62) 4-Bromofluorobenzene	10.632	95	199528	42.371	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.740%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1139	0.250	ug/l	94
5) Bromomethane	1.842	94	399	Below Cal	#	79
6) Chloroethane	1.977	64	205	Below Cal	#	43
10) Methyl Iodide	2.726	142	108	3.025	ug/l #	37
11) Tert butyl alcohol	3.179	59	4928	4.191	ug/l #	28
13) Acrolein	2.482	56	141	Below Cal	#	23
16) Acetone	2.623	43	1365	0.577	ug/l #	86
20) Methylene Chloride	3.041	84	893	0.222	ug/l #	86
25) 2-Butanone	4.726	43	2369	0.698	ug/l #	83
29) Tetrahydrofuran	5.060	42	486	0.227	ug/l #	66
31) Cyclohexane	5.369	56	6620	1.133	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	24885	4.909	ug/l #	50
38) Carbon Tetrachloride	5.372	117	32441	5.578	ug/l #	18
51) 4-Methyl-2-Pentanone	7.793	43	1830	0.303	ug/l #	56
56) Ethyl methacrylate	8.321	69	42	2.620	ug/l #	26
59) 2-Hexanone	8.694	43	1981	0.400	ug/l	81
74) N-amyl acetate	10.324	43	588	2.559	ug/l #	76
76) 1,2,3-Trichloropropane	10.632	75	103254	17.169	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	103254	62.340	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	756	1.252	ug/l	75
89) n-Butylbenzene	12.214	91	1914	2.355	ug/l	90
93) 1,2,4-Trichlorobenzene	13.851	180	1662	0.395	ug/l	95
95) Naphthalene	14.092	128	14797	3.489	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	1867	0.448	ug/l	94

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

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Response via : Initial Calibration

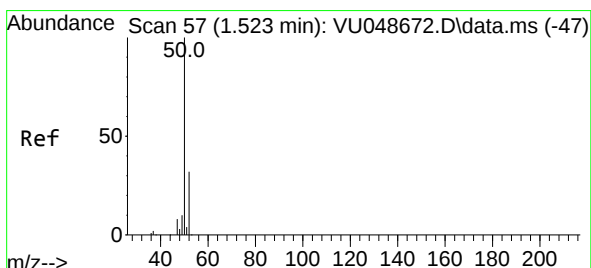
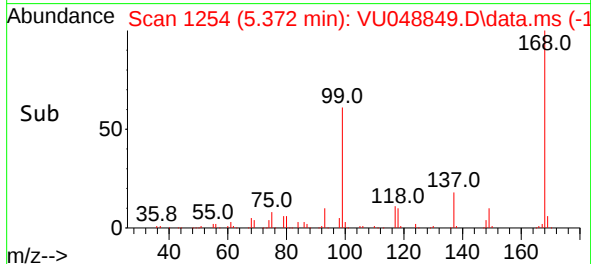
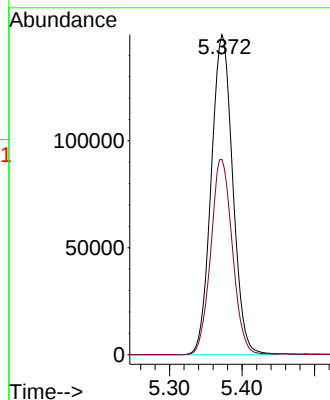
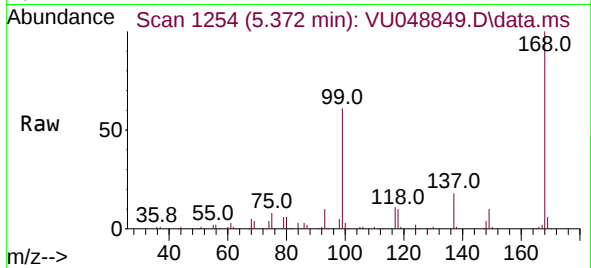




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

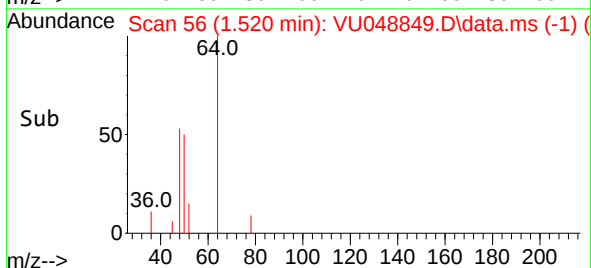
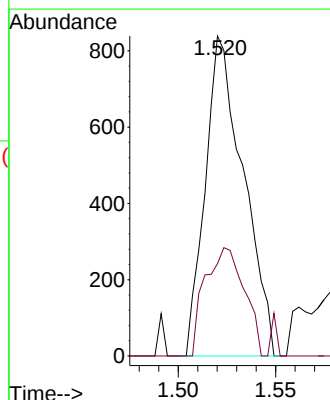
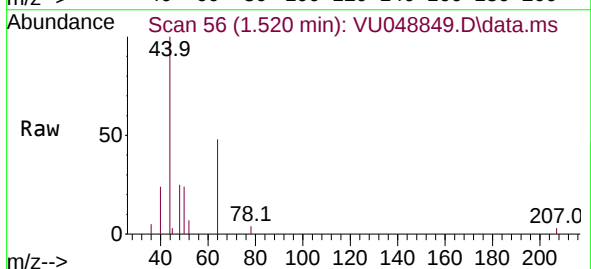
Instrument :
MSVOA_U
ClientSampleId :
VU0603WBL01

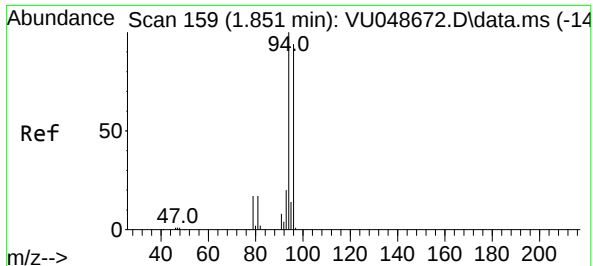
Tgt Ion:168 Resp: 308831
Ion Ratio Lower Upper
168 100
99 61.0 49.3 73.9



#3
Chloromethane
Concen: 0.250 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Tgt Ion: 50 Resp: 1139
Ion Ratio Lower Upper
50 100
52 28.8 25.7 38.5

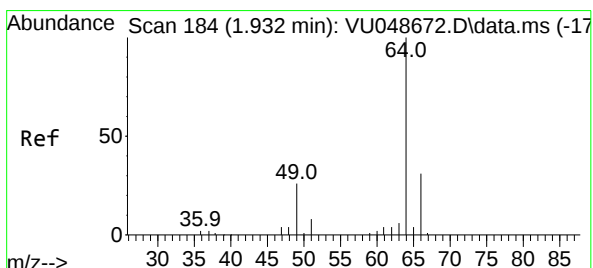
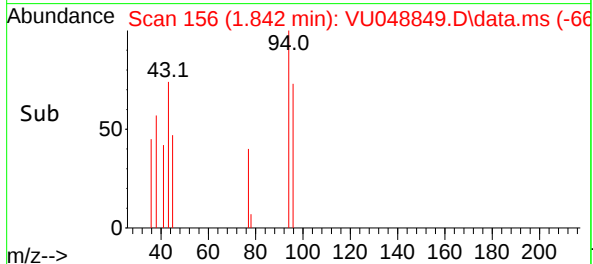
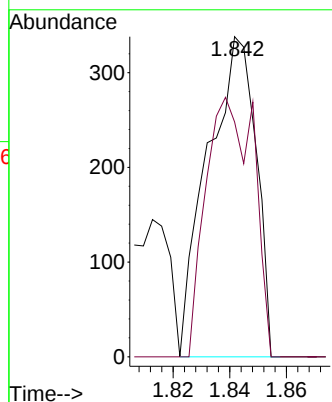
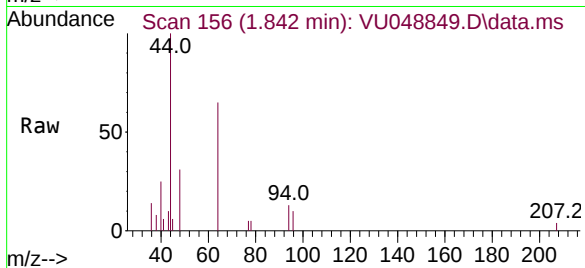




#5
Bromomethane
Concen: Below Cal
RT: 1.842 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

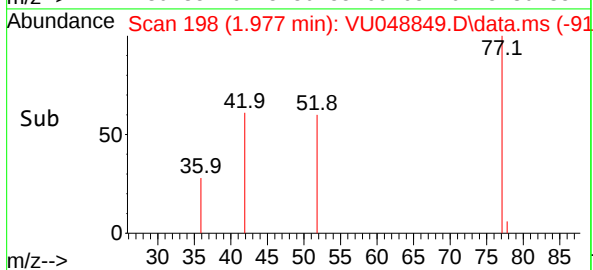
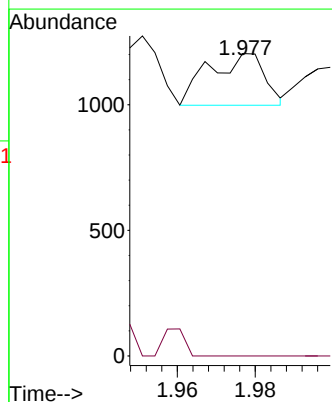
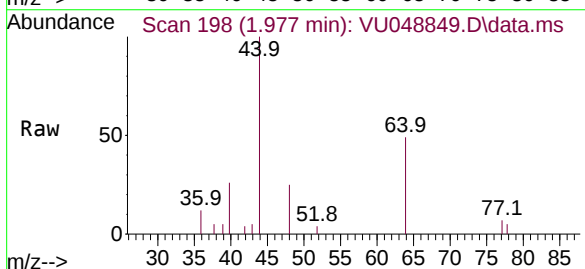
Instrument :
MSVOA_U
ClientSampleId :
VU0603WBL01

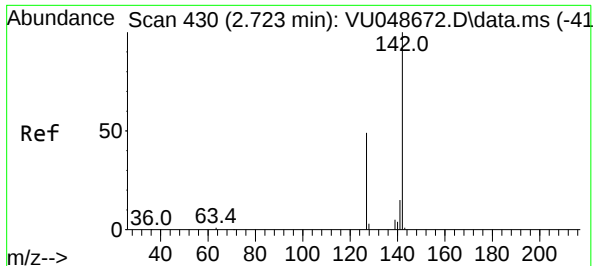
Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 73.4 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.977 min Scan# 198
Delta R.T. 0.045 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Tgt Ion: 64 Resp: 205
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#





#10

Methyl Iodide

Concen: 3.025 ug/l

RT: 2.726 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

Instrument :

MSVOA_U

ClientSampleId :

VU0603WBL01

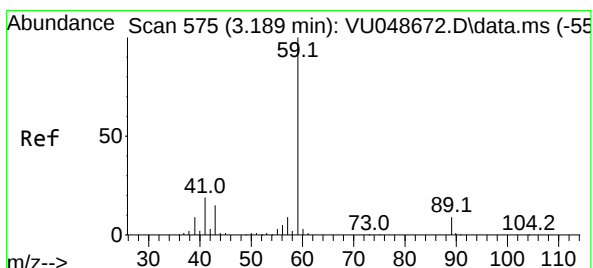
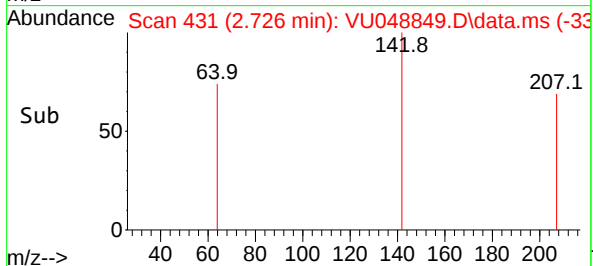
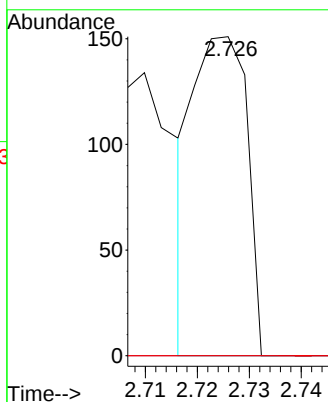
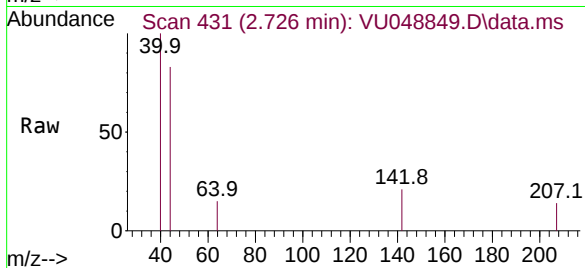
Tgt Ion:142 Resp: 108

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: 4.191 ug/l

RT: 3.179 min Scan# 572

Delta R.T. -0.010 min

Lab File: VU048849.D

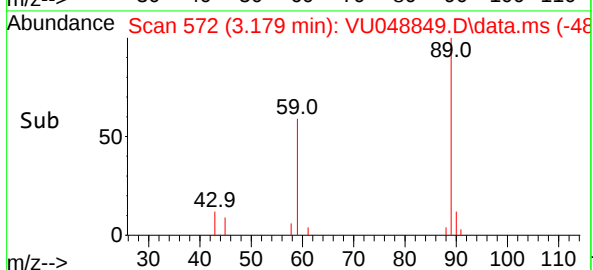
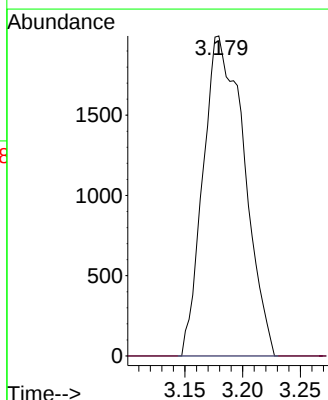
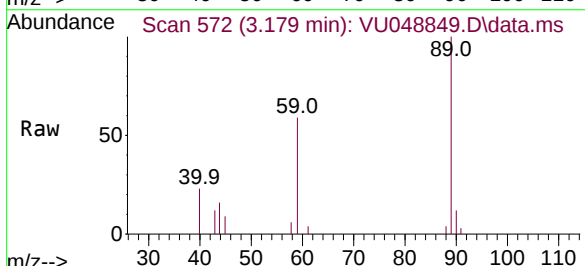
Acq: 03 Jun 2022 11:53

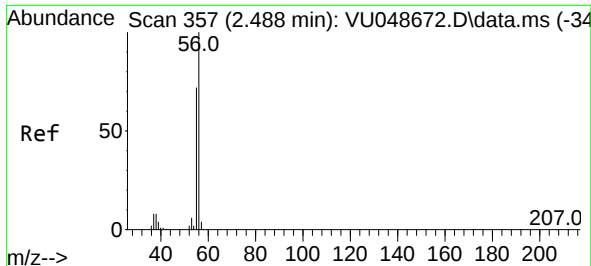
Tgt Ion: 59 Resp: 4928

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#

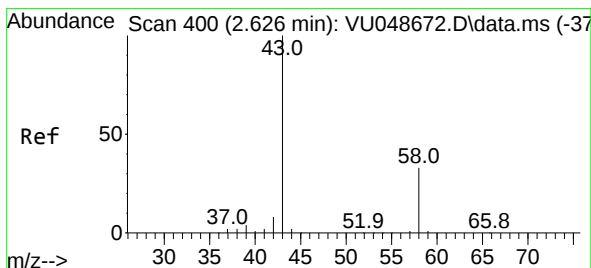
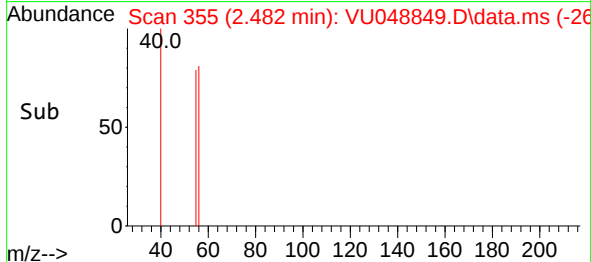
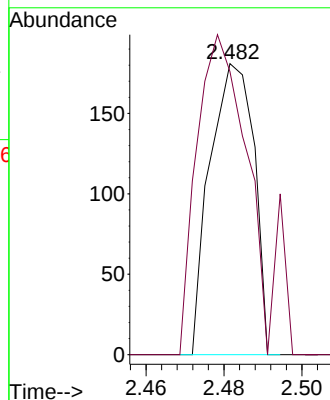
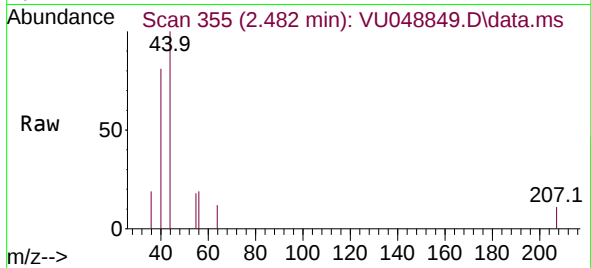




#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 311
Delta R.T. -0.006 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

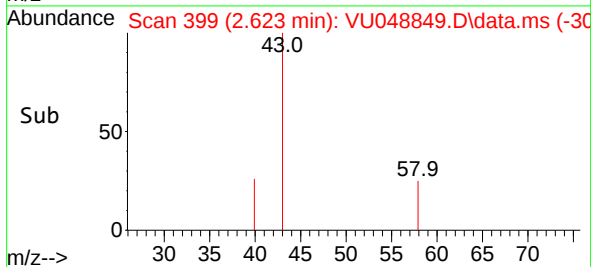
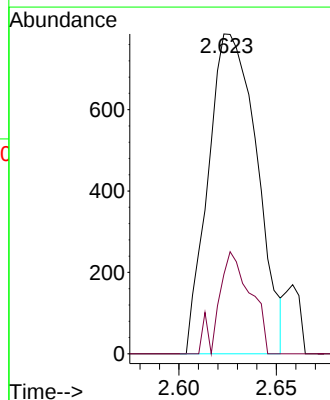
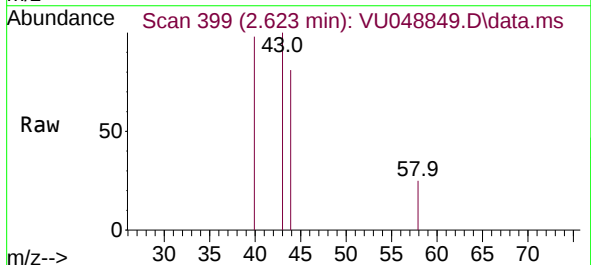
Instrument :
MSVOA_U
ClientSampleId :
VU0603WBL01

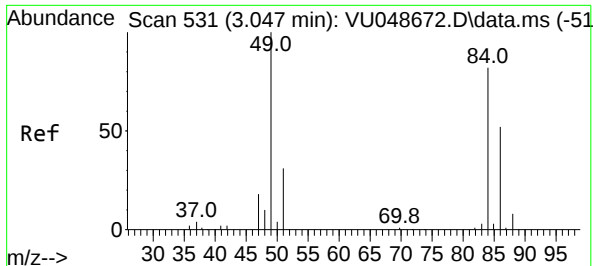
Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 136.2 57.7 86.5#



#16
Acetone
Concen: 0.577 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Tgt Ion: 43 Resp: 1365
Ion Ratio Lower Upper
43 100
58 24.8 26.3 39.5#

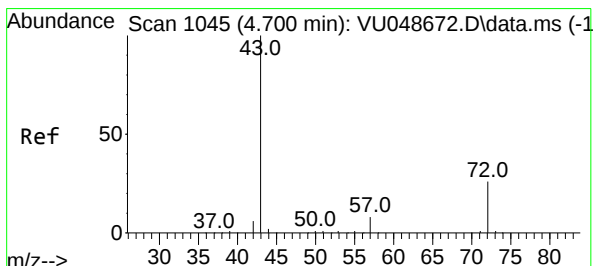
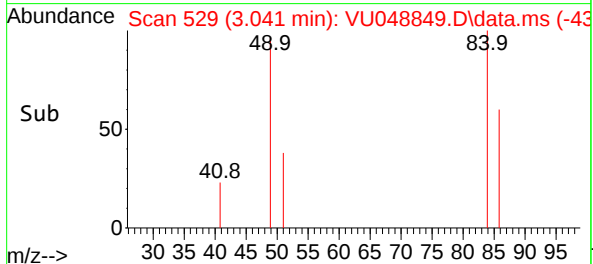
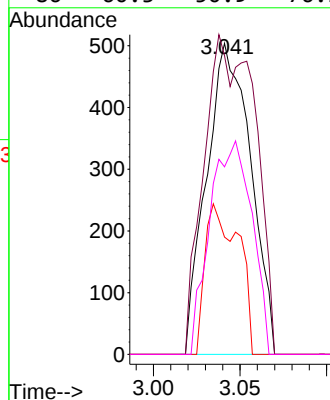
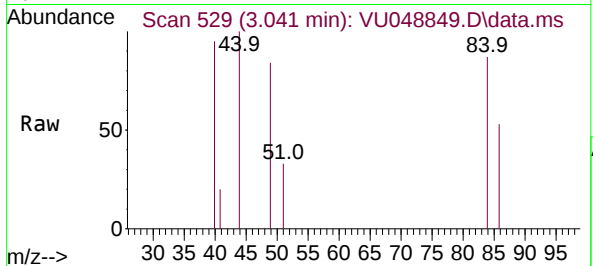




#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

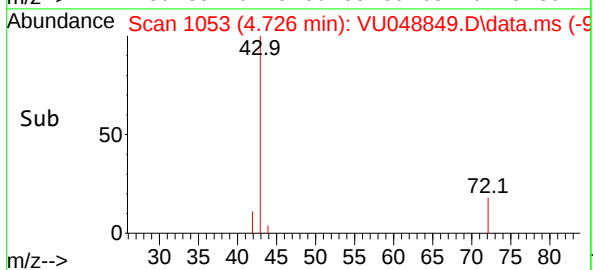
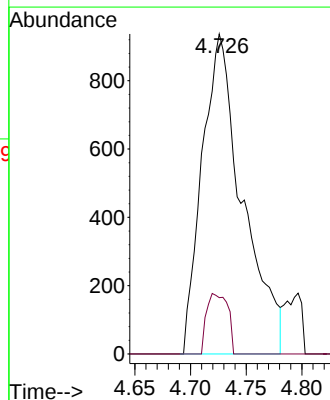
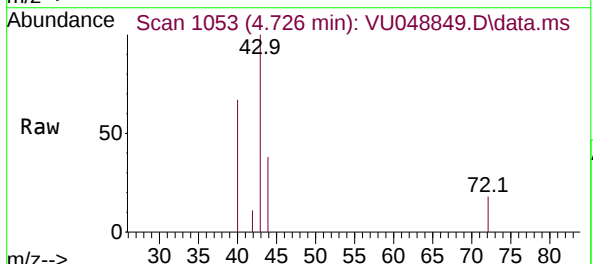
Instrument :
MSVOA_U
ClientSampleId :
VU0603WBL01

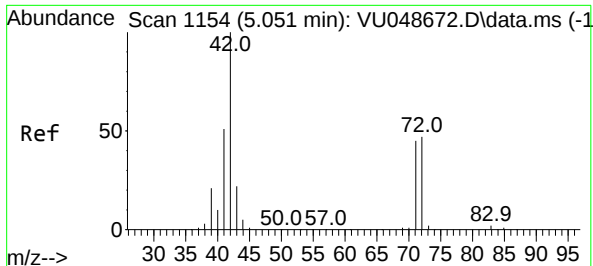
Tgt Ion:	84	Resp:	893
Ion	Ratio	Lower	Upper
84	100		
49	96.0	97.0	145.4#
51	37.7	29.8	44.8
86	60.3	50.9	76.3



#25
2-Butanone
Concen: 0.698 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.026 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Tgt Ion:	43	Resp:	2369
Ion	Ratio	Lower	Upper
43	100		
72	17.6	21.1	31.7#





#29

Tetrahydrofuran

Concen: 0.227 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

Instrument :

MSVOA_U

ClientSampleId :

VU0603WBL01

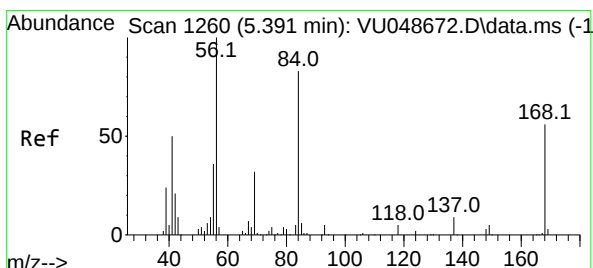
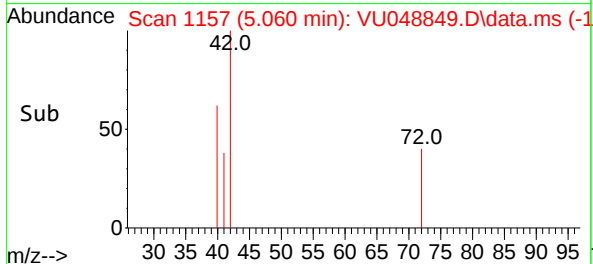
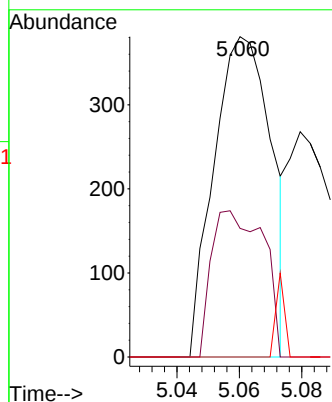
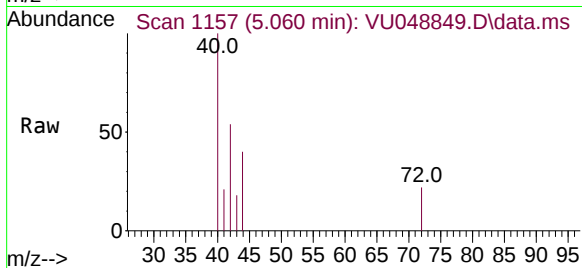
Tgt Ion: 42 Resp: 486

Ion Ratio Lower Upper

42 100

72 41.4 37.6 56.4

71 3.9 35.0 52.4#



#31

Cyclohexane

Concen: 1.133 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.022 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

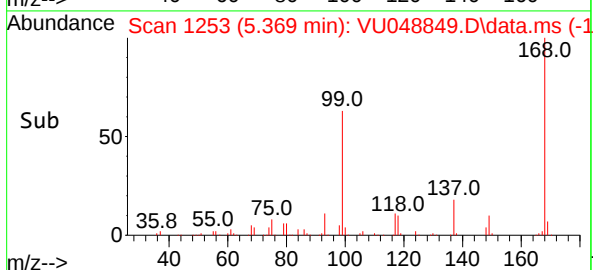
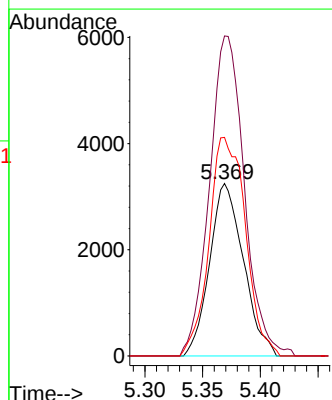
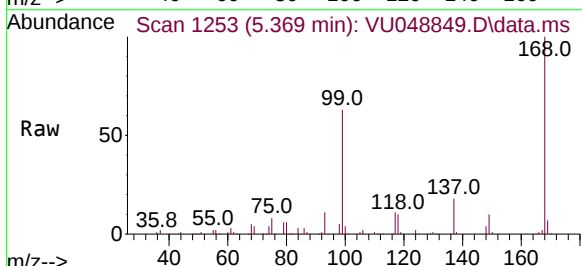
Tgt Ion: 56 Resp: 6620

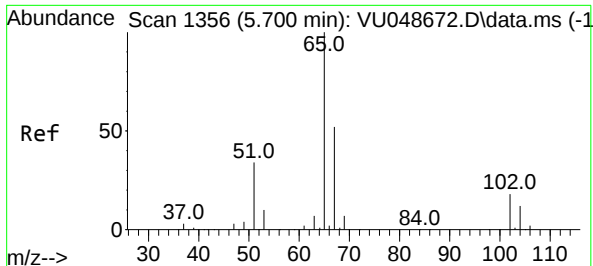
Ion Ratio Lower Upper

56 100

69 185.4 25.6 38.4#

84 126.6 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 47.973 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

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ClientSampleId :

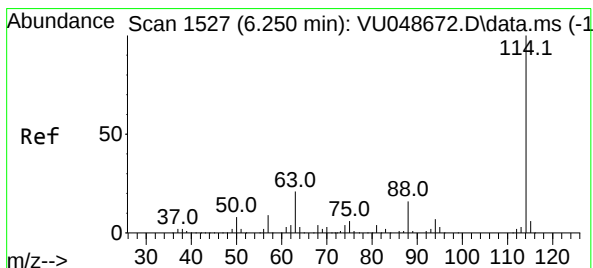
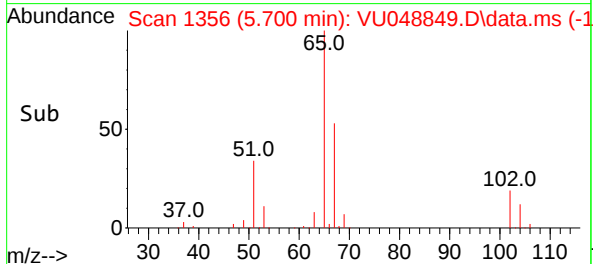
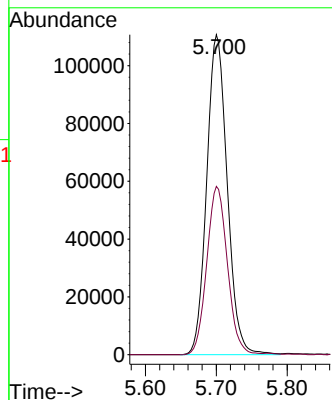
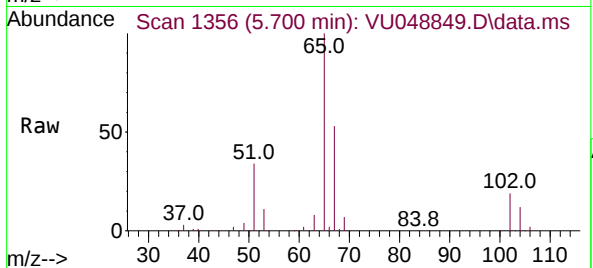
VU0603WBL01

Tgt Ion: 65 Resp: 222503

Ion Ratio Lower Upper

65 100

67 52.9 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: VU048849.D

Acq: 03 Jun 2022 11:53

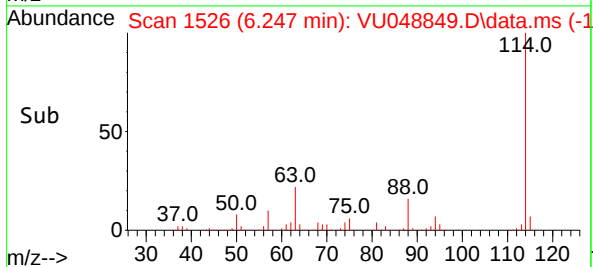
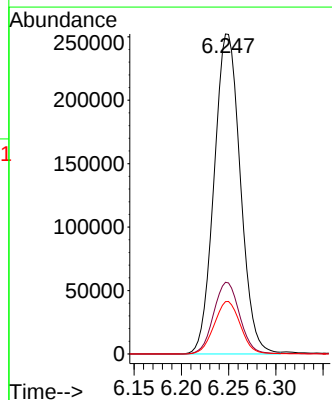
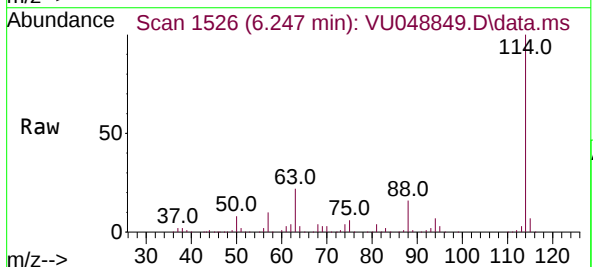
Tgt Ion: 114 Resp: 486887

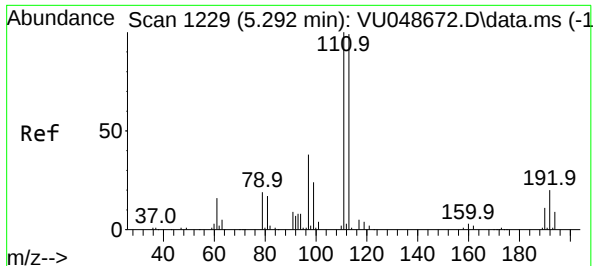
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.032 ug/l

RT: 5.289 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

Instrument :

MSVOA_U

ClientSampleId :

VU0603WBL01

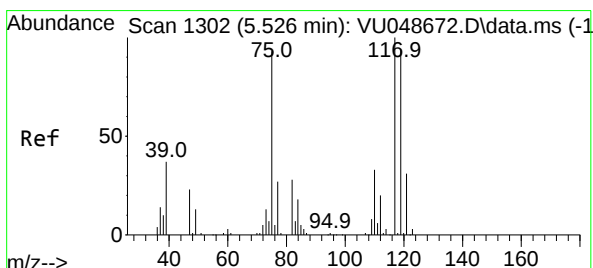
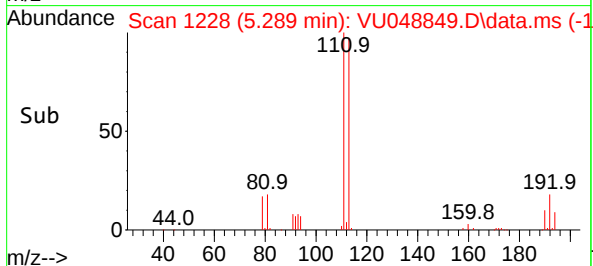
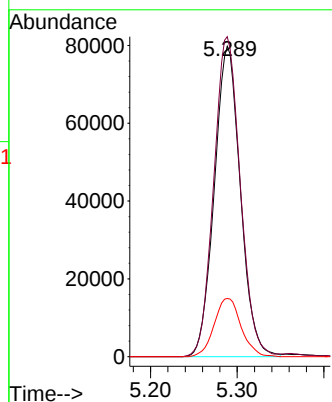
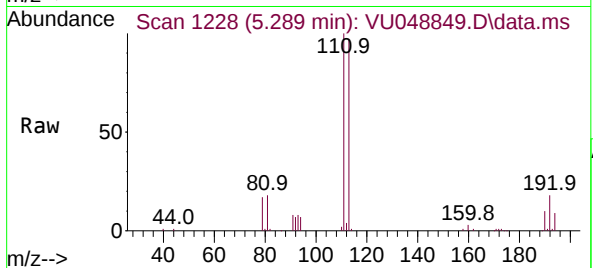
Tgt Ion:113 Resp: 166843

Ion Ratio Lower Upper

113 100

111 104.7 80.7 121.1

192 19.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

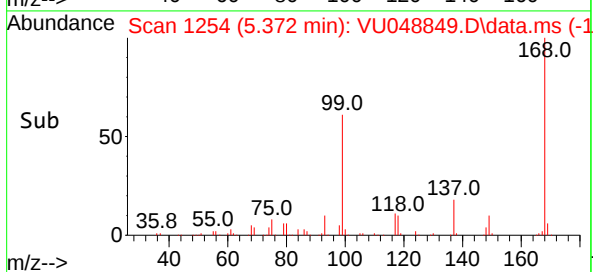
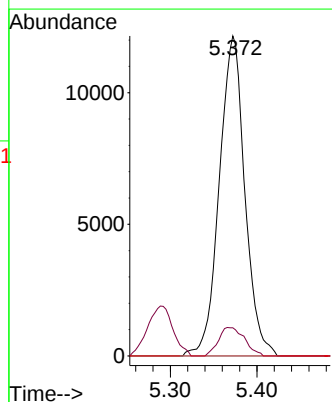
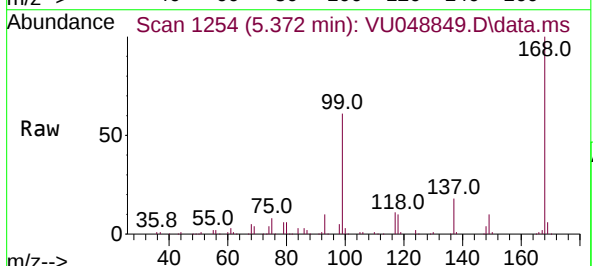
Tgt Ion: 75 Resp: 24885

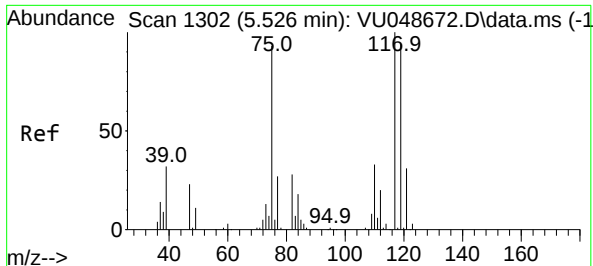
Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.3#

77 0.0 24.8 37.2#

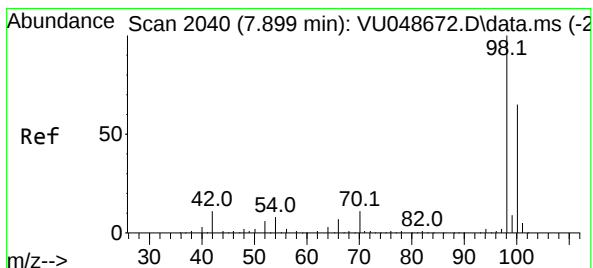
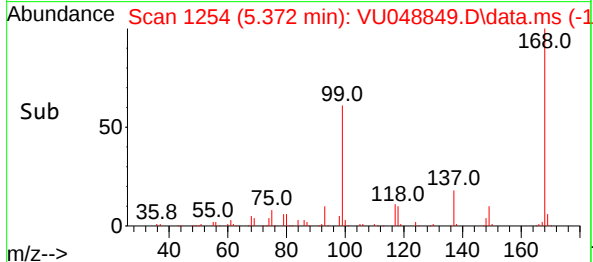
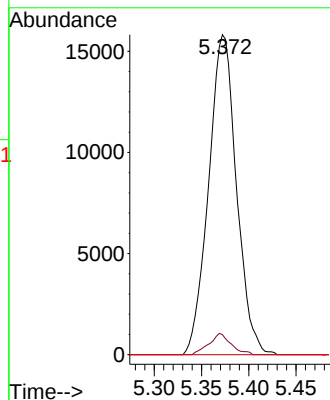
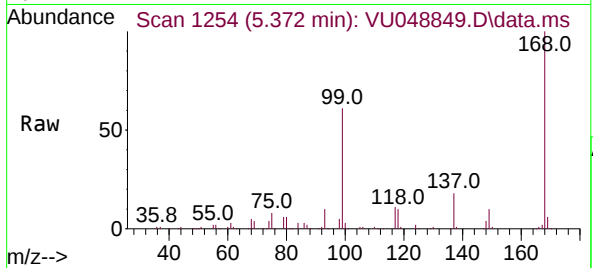




#38
Carbon Tetrachloride
Concen: 5.578 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

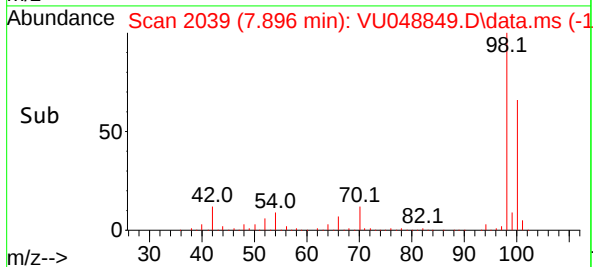
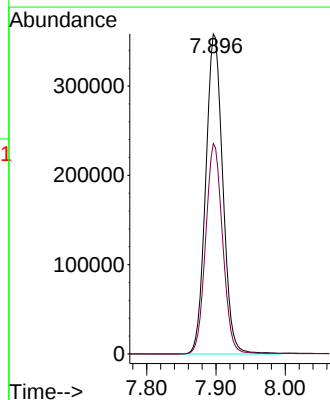
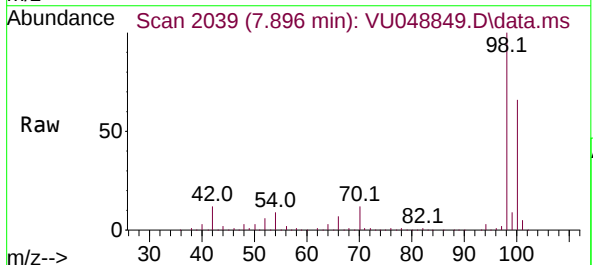
Instrument :
MSVOA_U
ClientSampleId :
VU0603WBL01

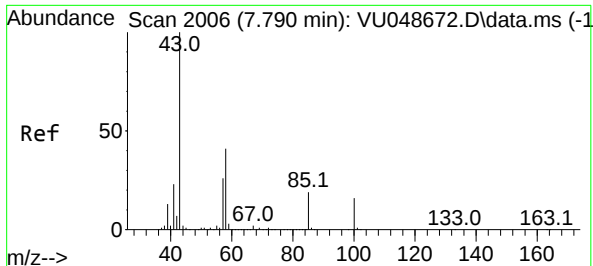
Tgt Ion:117 Resp: 32441
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 49.127 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Tgt Ion: 98 Resp: 611709
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.303 ug/l

RT: 7.793 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

Instrument :

MSVOA_U

ClientSampleId :

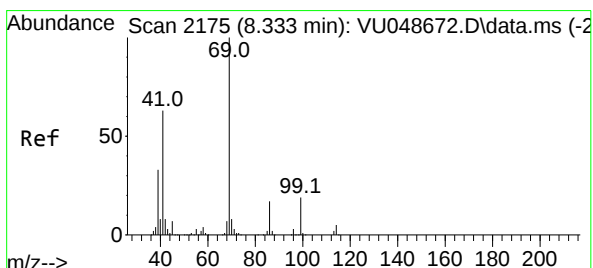
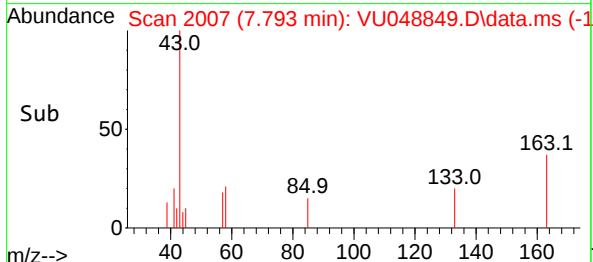
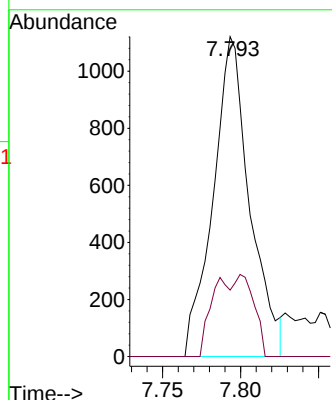
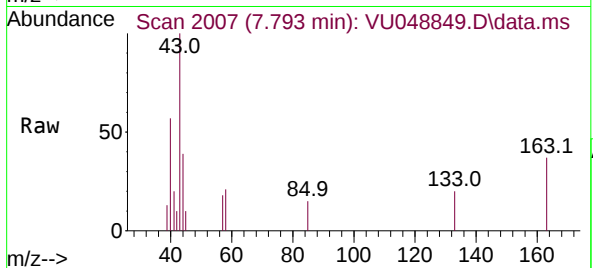
VU0603WBL01

Tgt Ion: 43 Resp: 1830

Ion Ratio Lower Upper

43 100

58 13.7 32.7 49.1#



#56

Ethyl methacrylate

Concen: 2.620 ug/l

RT: 8.321 min Scan# 2171

Delta R.T. -0.012 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

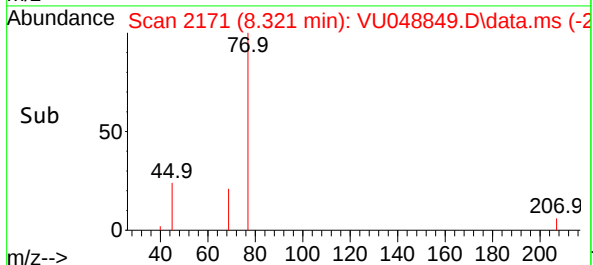
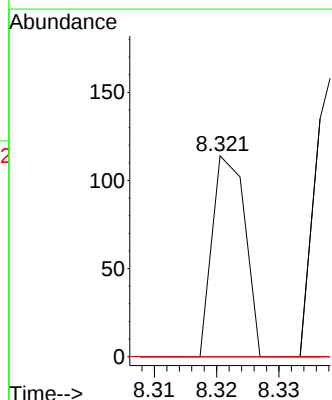
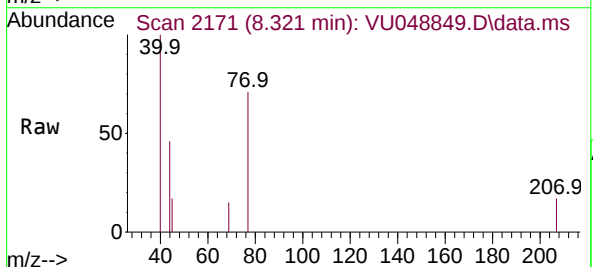
Tgt Ion: 69 Resp: 42

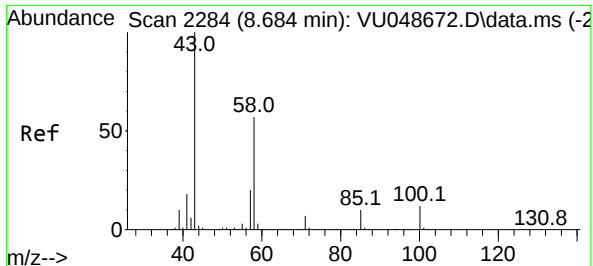
Ion Ratio Lower Upper

69 100

41 0.0 50.6 76.0#

39 0.0 26.6 40.0#





#59

2-Hexanone

Concen: 0.400 ug/l

RT: 8.694 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

Instrument :

MSVOA_U

ClientSampleId :

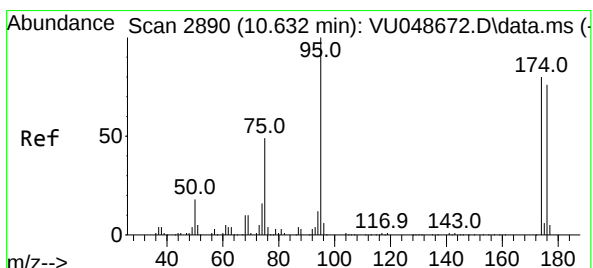
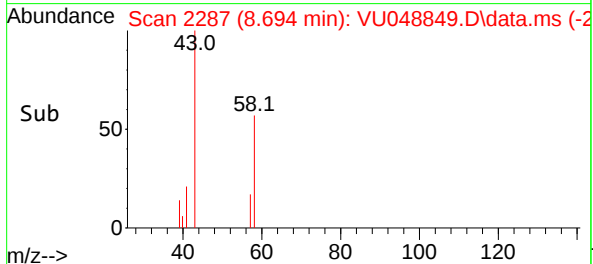
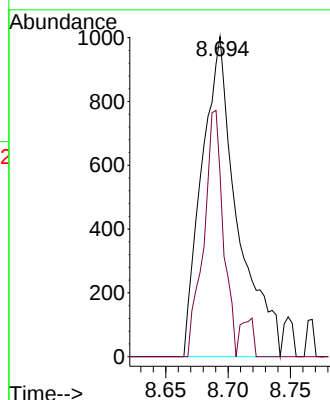
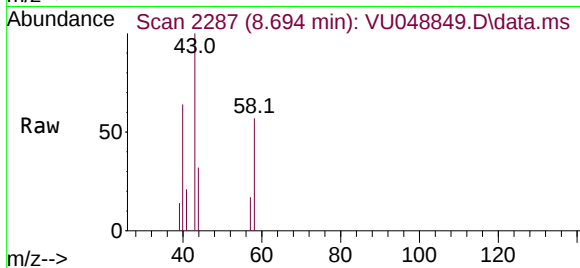
VU0603WBL01

Tgt Ion: 43 Resp: 1981

Ion Ratio Lower Upper

43 100

58 42.4 28.2 84.6



#62

4-Bromofluorobenzene

Concen: 42.371 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.000 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

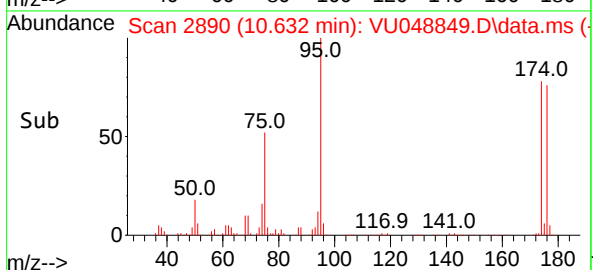
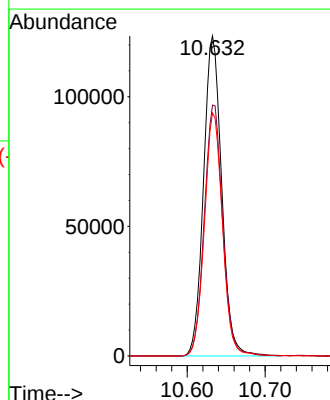
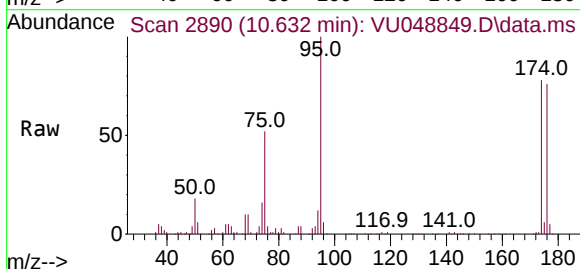
Tgt Ion: 95 Resp: 199528

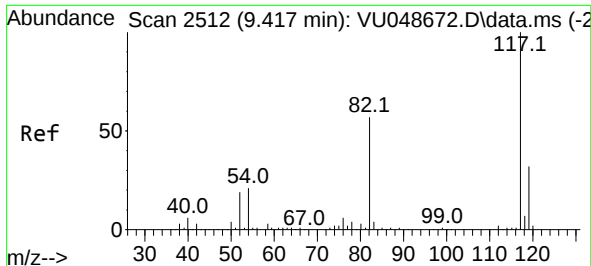
Ion Ratio Lower Upper

95 100

174 79.6 0.0 159.4

176 75.7 0.0 152.4

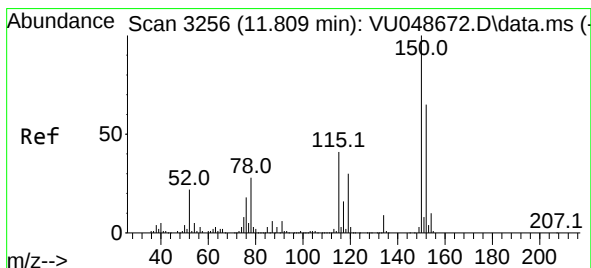
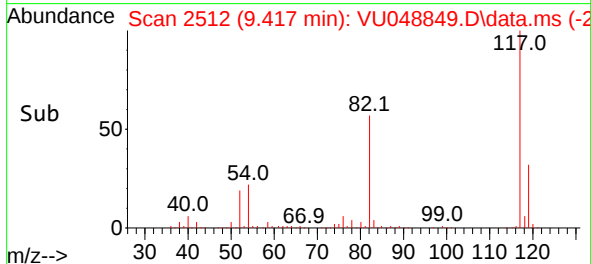
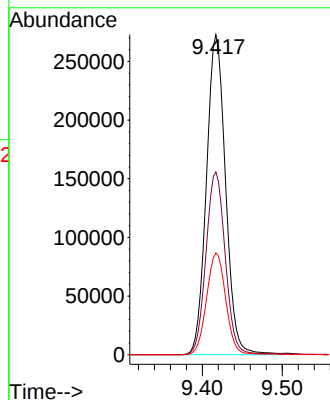
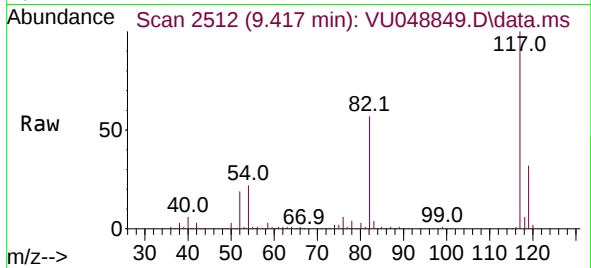




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

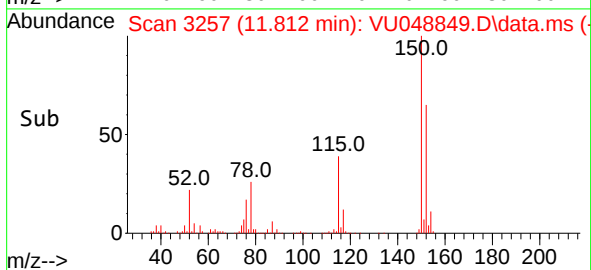
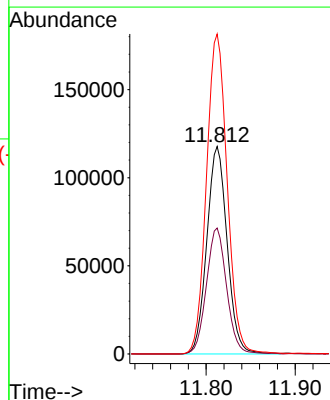
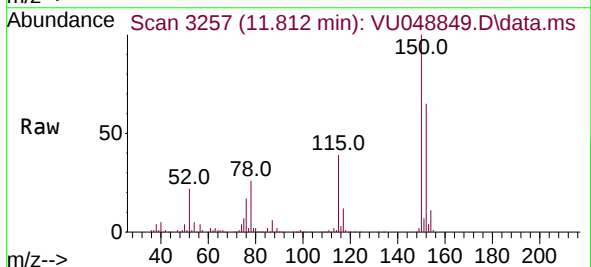
Instrument :
MSVOA_U
ClientSampleId :
VU0603WBL01

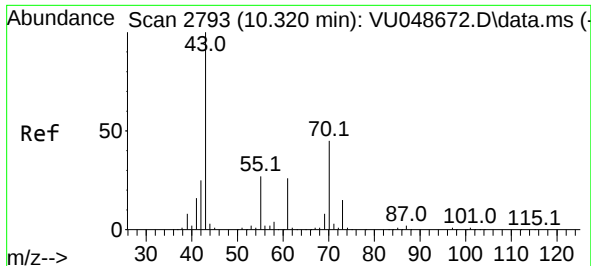
Tgt Ion:117 Resp: 454699
Ion Ratio Lower Upper
117 100
82 57.1 45.3 67.9
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Tgt Ion:152 Resp: 186519
Ion Ratio Lower Upper
152 100
115 60.3 41.8 125.4
150 157.1 0.0 341.0

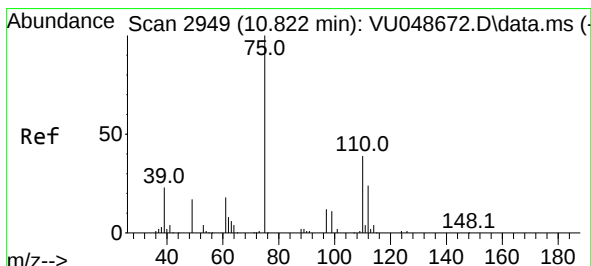
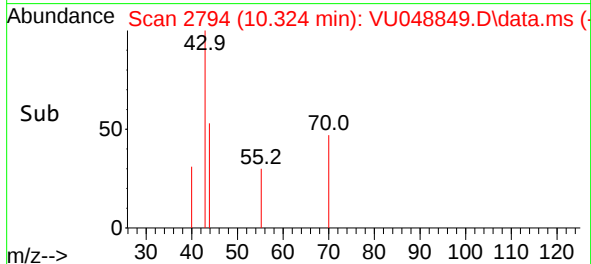
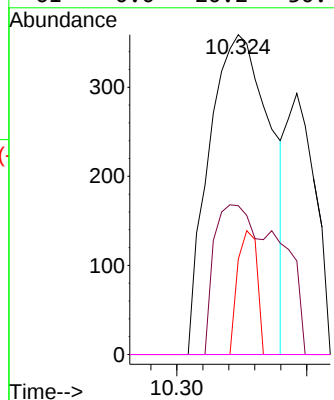
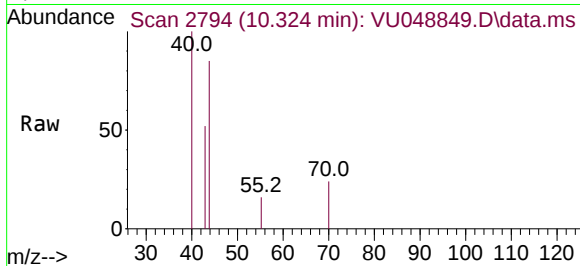




#74
N-amy1 acetate
Concen: 2.559 ug/l
RT: 10.324 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

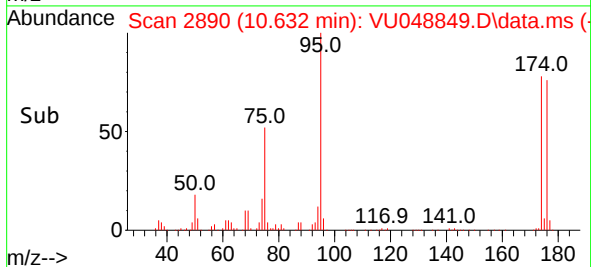
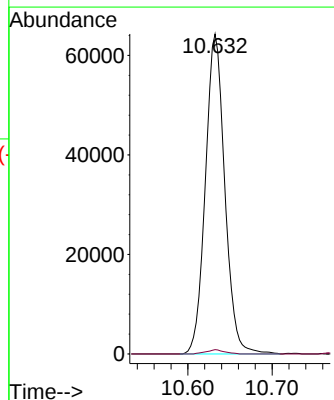
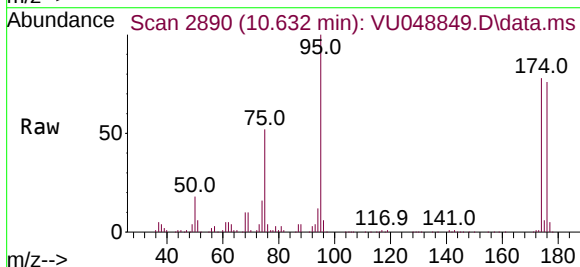
Instrument :
MSVOA_U
ClientSampleId :
VU0603WBL01

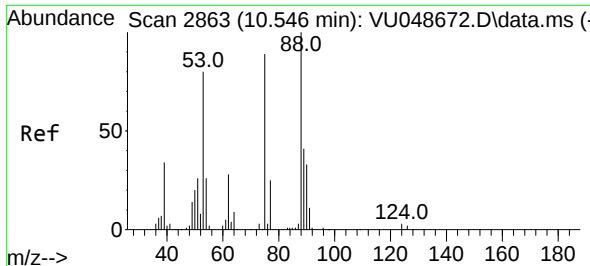
Tgt Ion: 43	Resp: 588
Ion Ratio	Lower Upper
43 100	
70 50.0	35.8 53.6
55 12.2	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.169 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Tgt Ion: 75	Resp: 103254
Ion Ratio	Lower Upper
75 100	
77 1.3	14.8 44.3#

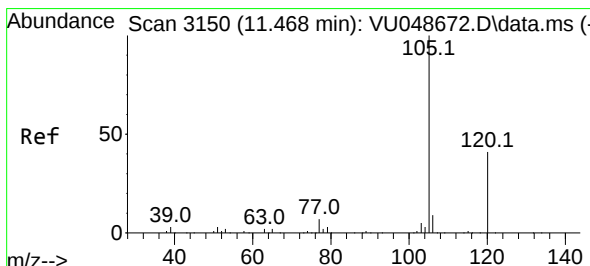
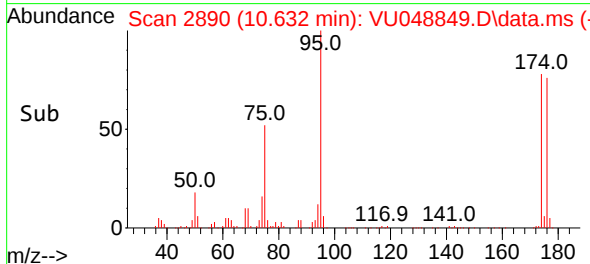
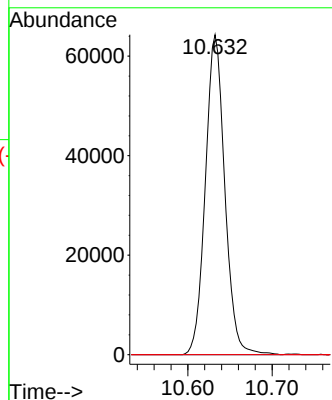
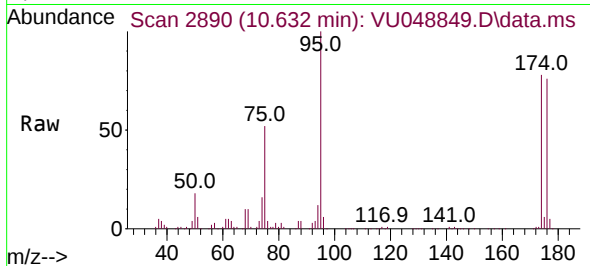




#81
trans-1,4-Dichloro-2-butene
Concen: 62.340 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

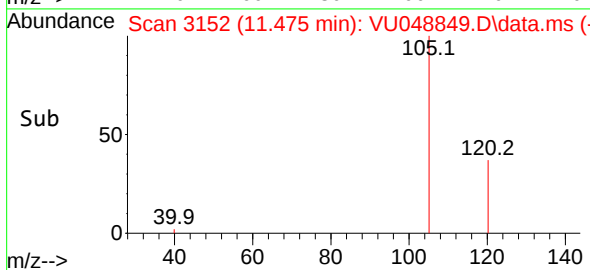
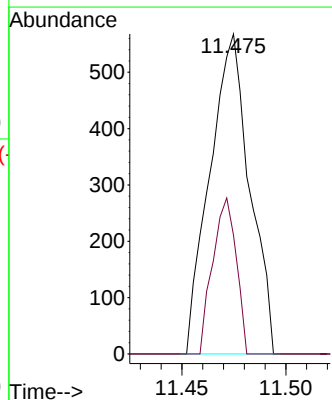
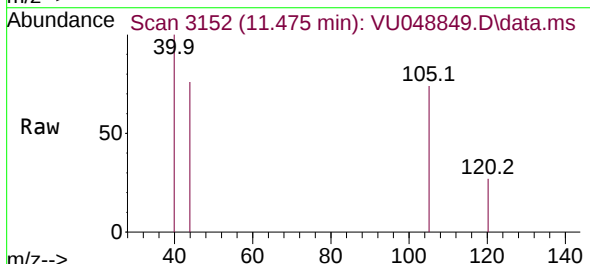
Instrument :
MSVOA_U
ClientSampleId :
VU0603WBL01

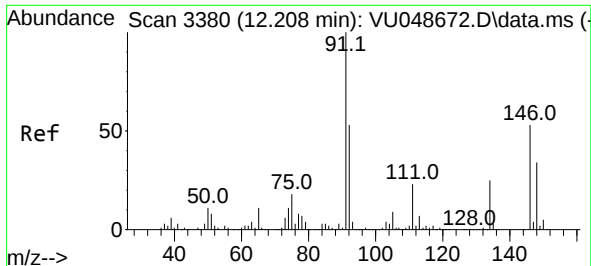
Tgt Ion: 75 Resp: 103254
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.252 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Tgt Ion: 105 Resp: 756
Ion Ratio Lower Upper
105 100
120 28.7 22.5 67.5





#89

n-Butylbenzene

Concen: 2.355 ug/l

RT: 12.214 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

Instrument :

MSVOA_U

ClientSampleId :

VU0603WBL01

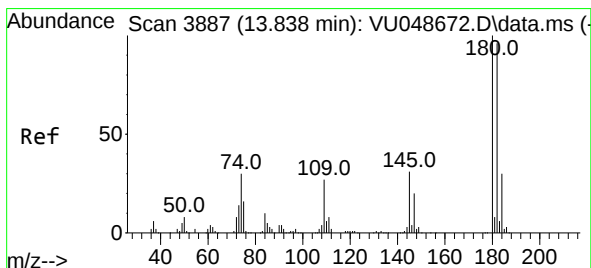
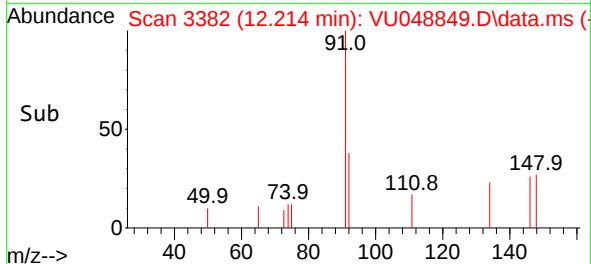
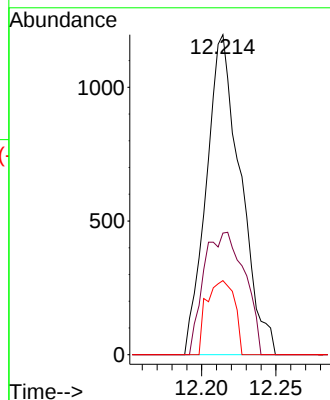
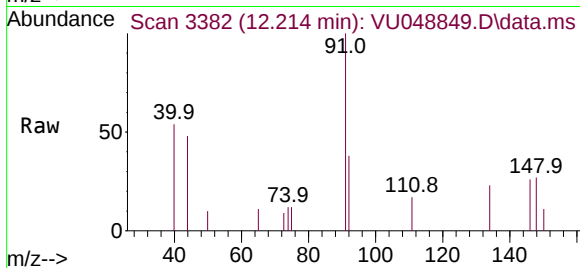
Tgt Ion: 91 Resp: 1914

Ion Ratio Lower Upper

91 100

92 45.6 25.9 77.8

134 18.8 12.5 37.5



#93

1,2,4-Trichlorobenzene

Concen: 0.395 ug/l

RT: 13.851 min Scan# 3891

Delta R.T. 0.013 min

Lab File: VU048849.D

Acq: 03 Jun 2022 11:53

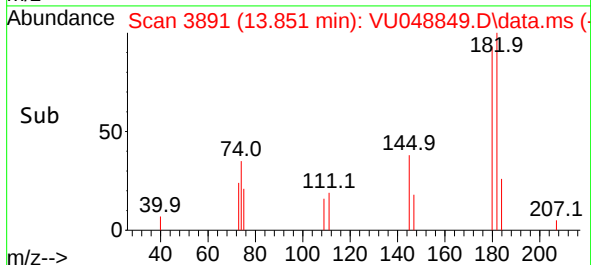
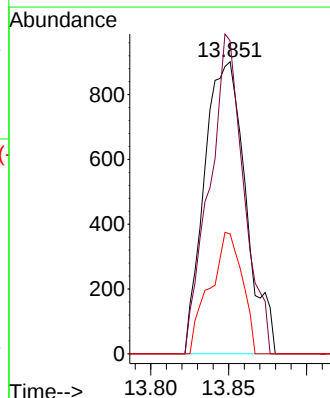
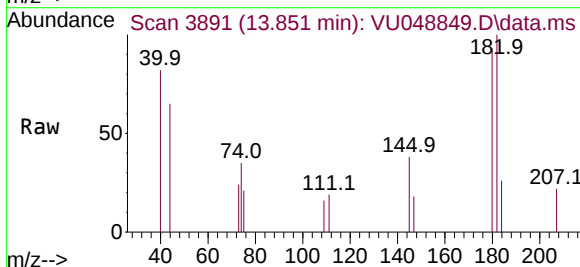
Tgt Ion:180 Resp: 1662

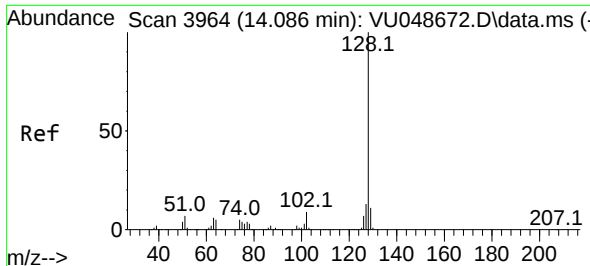
Ion Ratio Lower Upper

180 100

182 91.0 48.3 144.9

145 32.6 15.6 46.7

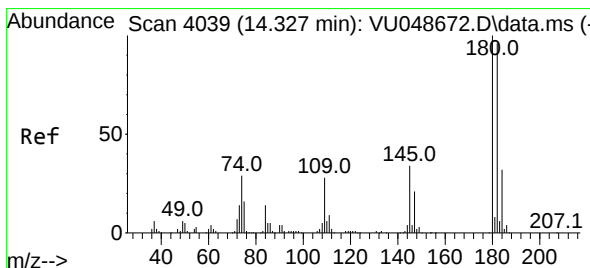
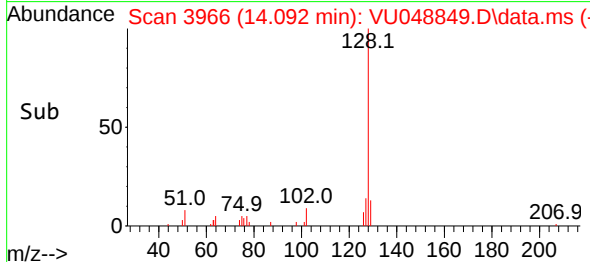
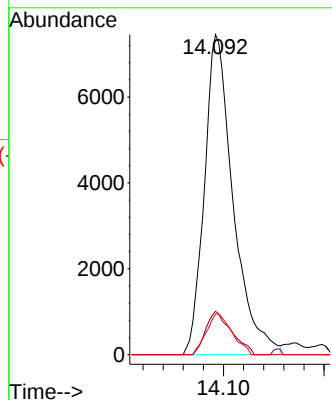
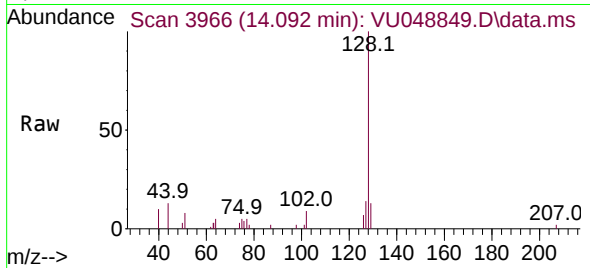




#95
Naphthalene
Concen: 3.489 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Instrument :
MSVOA_U
ClientSampleId :
VU0603WBL01

Tgt Ion:128	Resp:	14797
Ion Ratio	Lower	Upper
128	100	
127	12.1	10.2 15.4
129	11.4	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.448 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.006 min
Lab File: VU048849.D
Acq: 03 Jun 2022 11:53

Tgt Ion:180	Resp:	1867
Ion Ratio	Lower	Upper
180	100	
182	97.5	47.4 142.2
145	24.5	16.6 49.8

