

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048842.D
 Acq On : 03 Jun 2022 07:10
 Operator : SY/MD
 Sample : N3165-06 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 57BR-20220531

Quant Time: Jun 03 08:54:11 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)

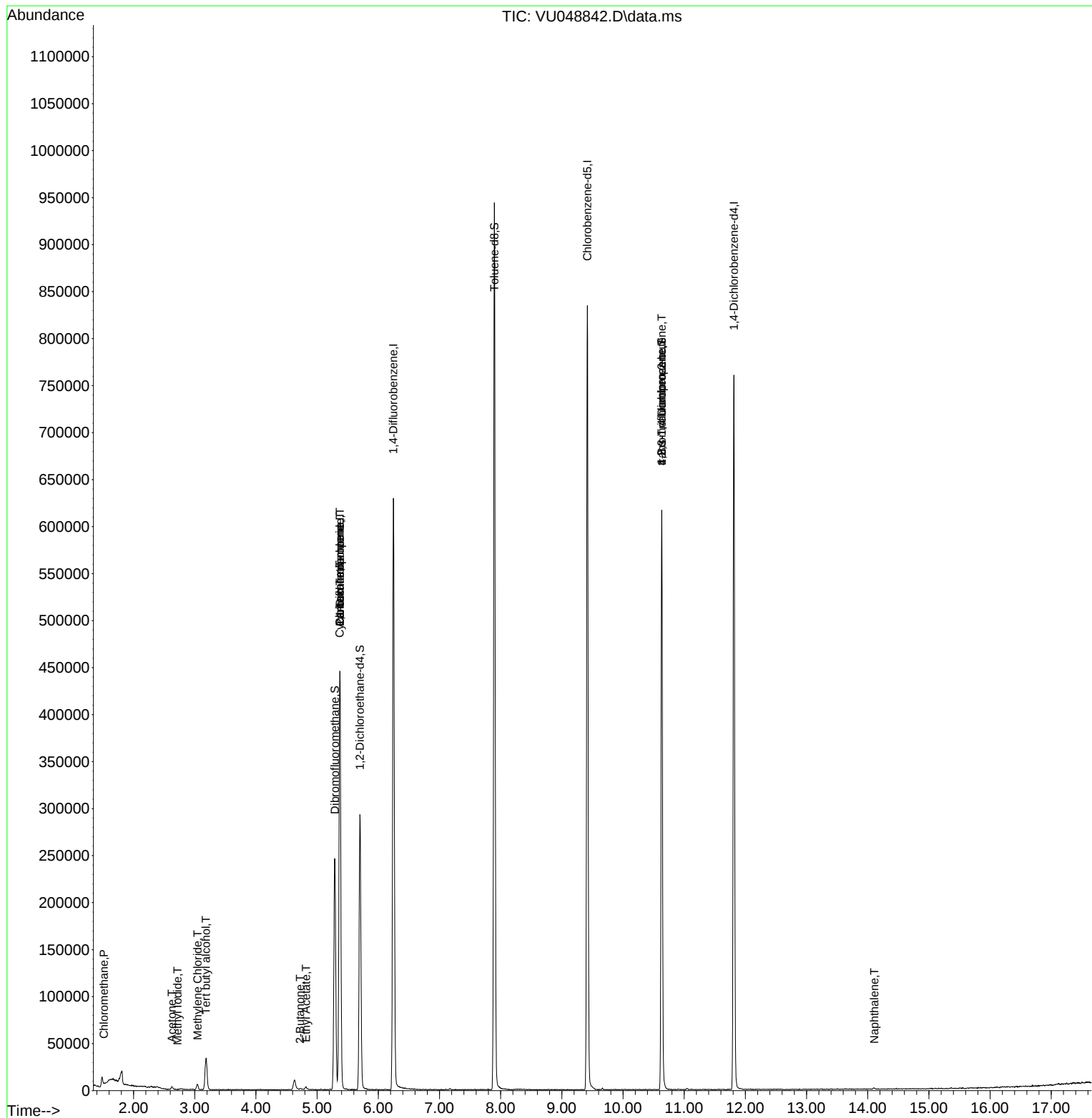
Internal Standards						
1) Pentafluorobenzene	5.372	168	299546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	506720	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	453403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	204804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	221258	49.184	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.360%
35) Dibromofluoromethane	5.288	113	159669	44.168	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.340%
50) Toluene-d8	7.896	98	621722	47.977	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.960%
62) 4-Bromofluorobenzene	10.632	95	206427	42.121	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1177	0.267	ug/l #	81
5) Bromomethane	1.835	94	69	Below Cal	#	76
6) Chloroethane	1.948	64	244	Below Cal	#	43
10) Methyl Iodide	2.716	142	19	3.008	ug/l #	37
11) Tert butyl alcohol	3.182	59	21219	18.605	ug/l #	29
13) Acrolein	2.488	56	133	Below Cal	#	14
16) Acetone	2.626	43	3355	1.463	ug/l	89
20) Methylene Chloride	3.044	84	2829	0.726	ug/l #	93
25) 2-Butanone	4.723	43	1357	0.412	ug/l #	84
31) Cyclohexane	5.369	56	6225	1.098	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	24560	4.655	ug/l #	49
37) Ethyl Acetate	4.819	43	4535	0.680	ug/l #	87
38) Carbon Tetrachloride	5.372	117	31899	5.270	ug/l #	17
76) 1,2,3-Trichloropropane	10.632	75	107129	16.223	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	107129	58.905	ug/l #	13
95) Naphthalene	14.108	128	2096	2.656	ug/l #	86

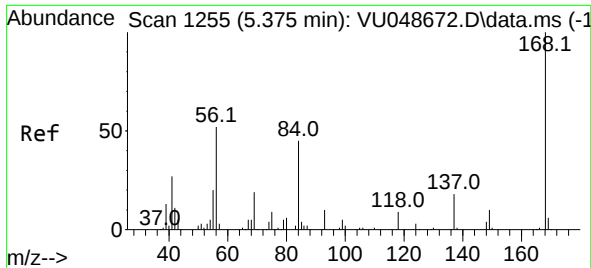
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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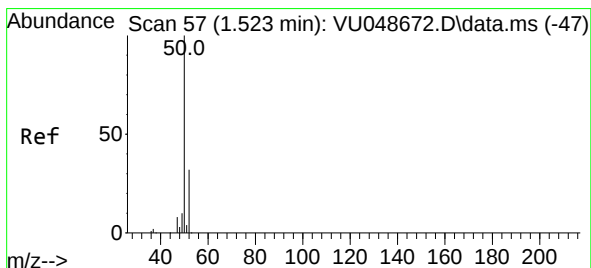
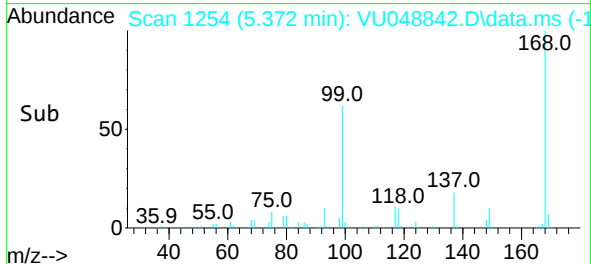
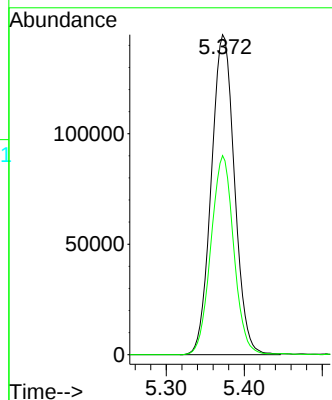
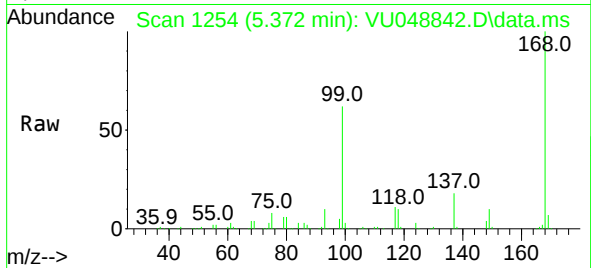




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

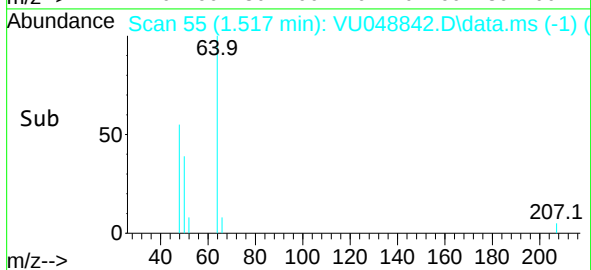
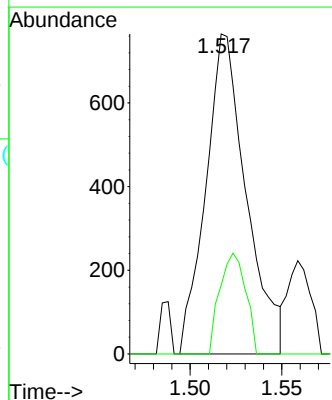
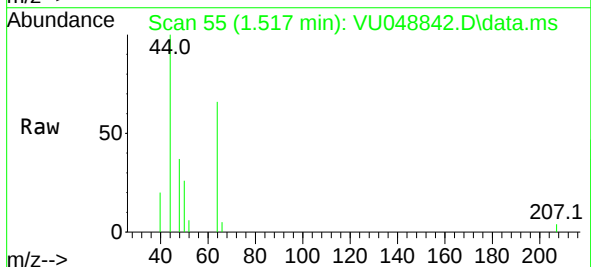
Instrument :
MSVOA_U
ClientSampleId :
57BR-20220531

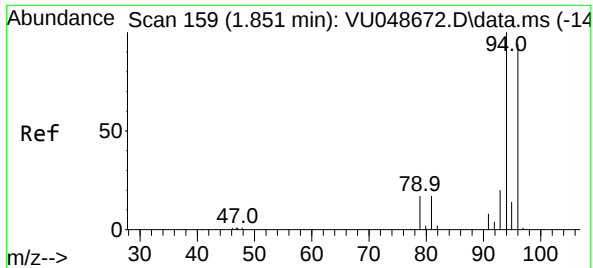
Tgt Ion:168 Resp: 299546
Ion Ratio Lower Upper
168 100
99 62.2 49.3 73.9



#3
Chloromethane
Concen: 0.267 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Tgt Ion: 50 Resp: 1177
Ion Ratio Lower Upper
50 100
52 21.4 25.7 38.5#

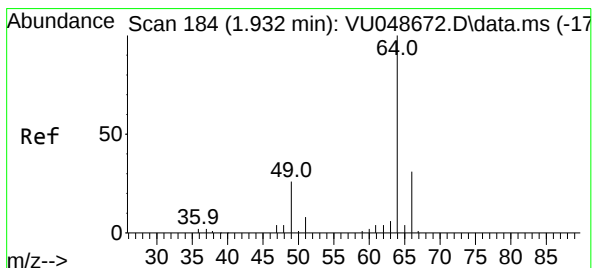
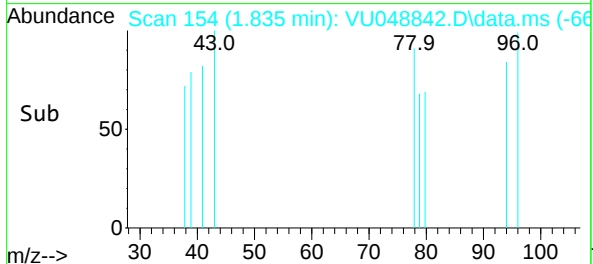
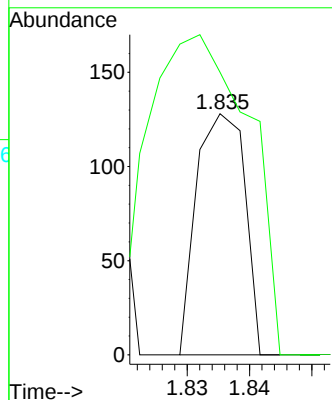
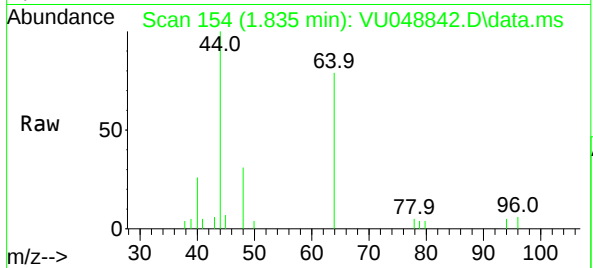




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

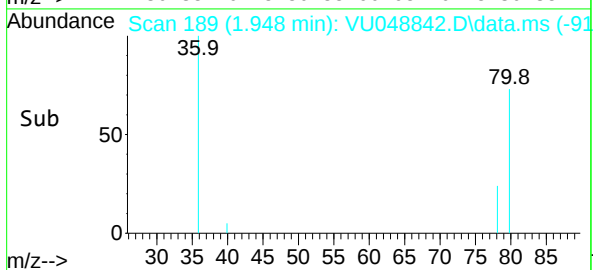
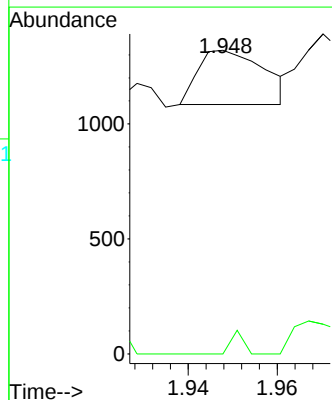
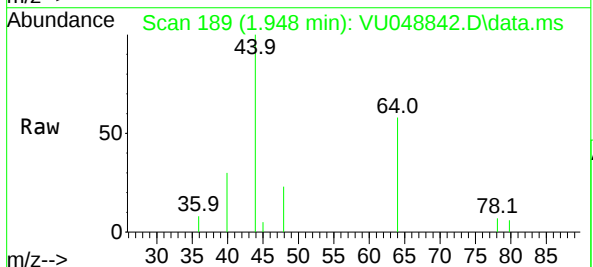
Instrument :
MSVOA_U
ClientSampleId :
57BR-20220531

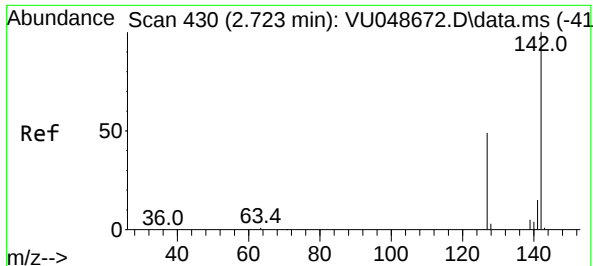
Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 117.2 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.948 min Scan# 189
Delta R.T. 0.016 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

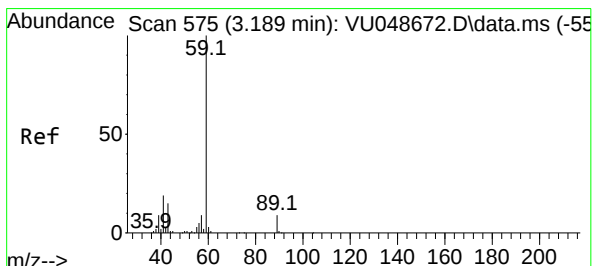
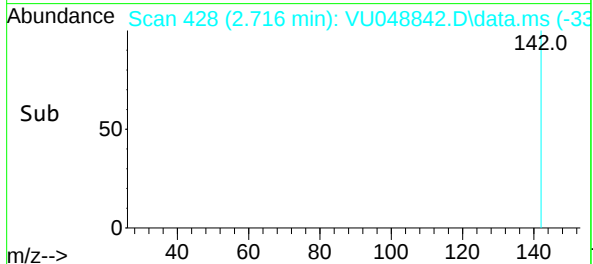
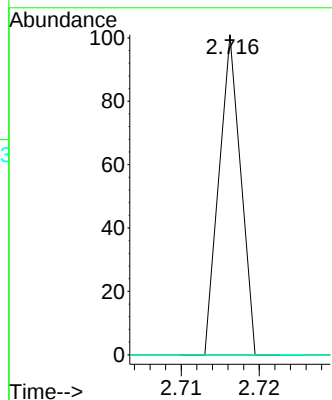
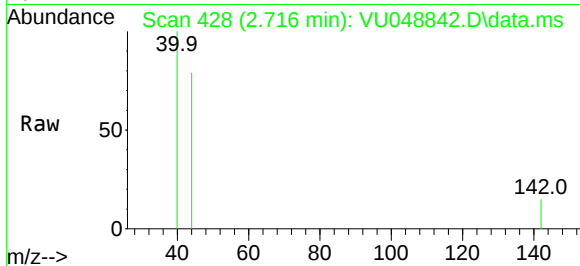




#10
Methyl Iodide
Concen: 3.008 ug/l
RT: 2.716 min Scan# 41
Delta R.T. -0.007 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

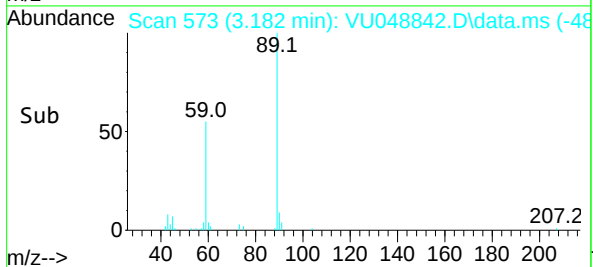
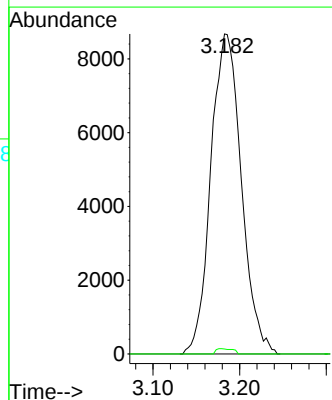
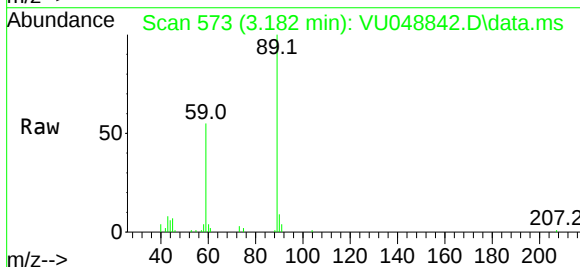
Instrument :
MSVOA_U
ClientSampleId :
57BR-20220531

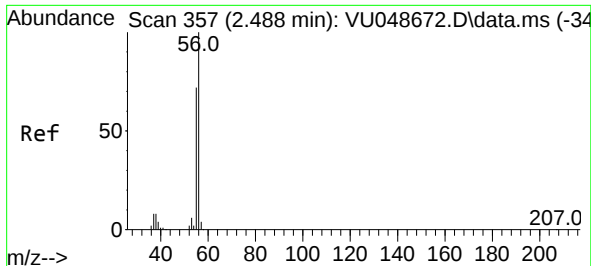
Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 18.605 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.006 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Tgt Ion: 59 Resp: 21219
Ion Ratio Lower Upper
59 100
57 0.9 39.7 59.5#

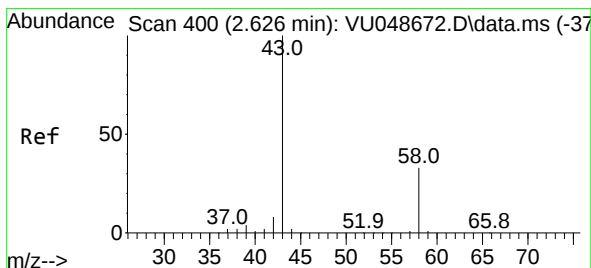
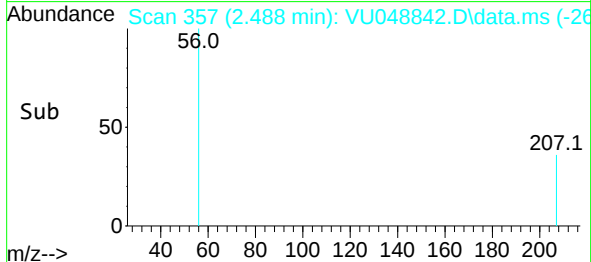
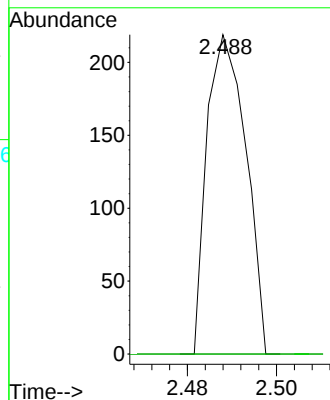
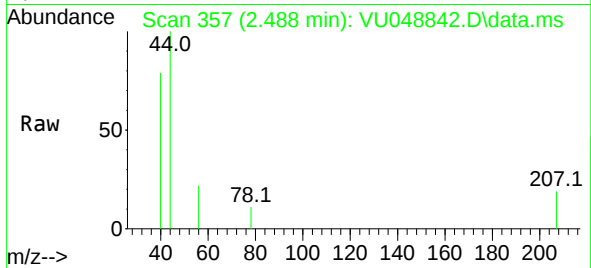




#13
Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

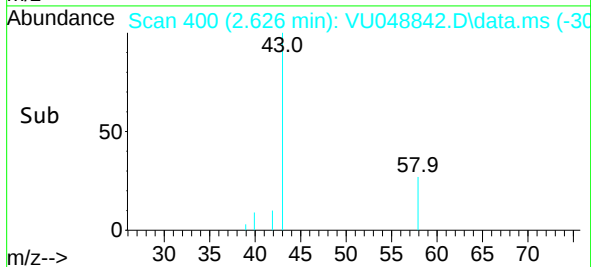
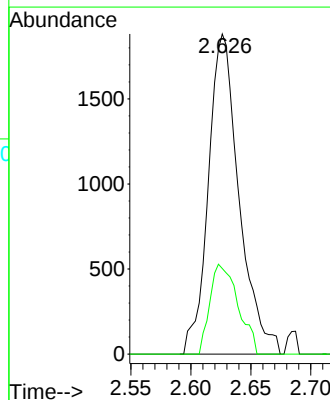
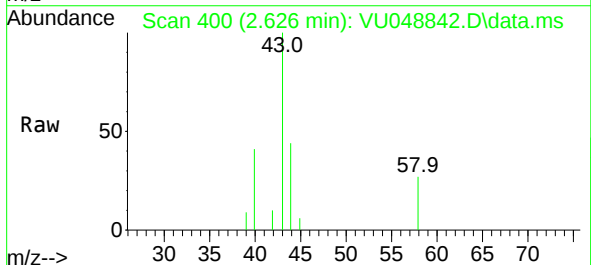
Instrument :
MSVOA_U
ClientSampleId :
57BR-20220531

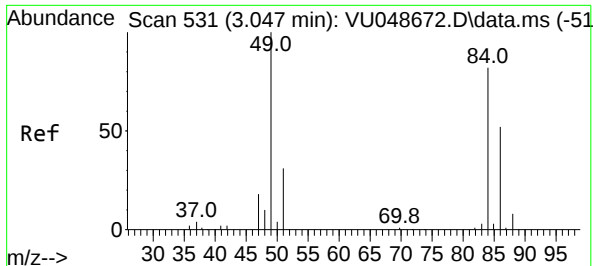
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 1.463 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

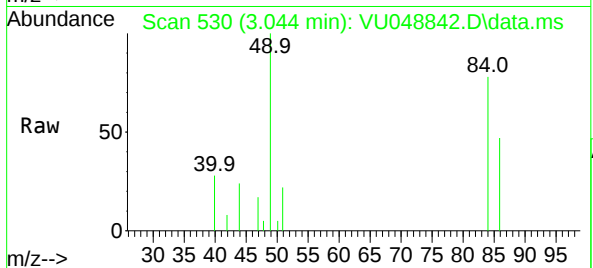
Tgt Ion: 43 Resp: 3355
Ion Ratio Lower Upper
43 100
58 26.7 26.3 39.5



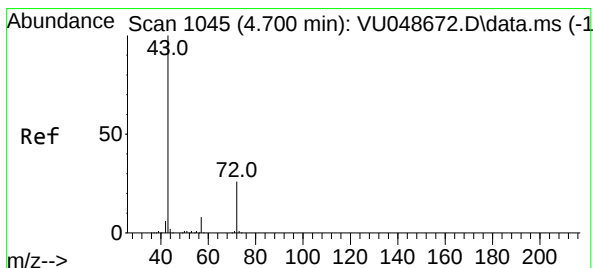
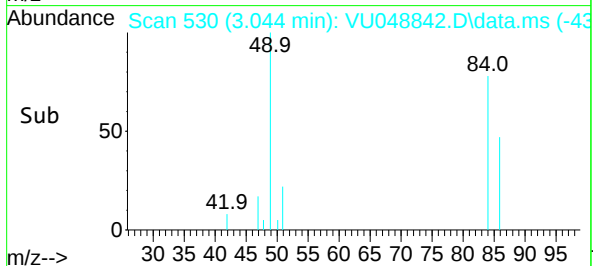
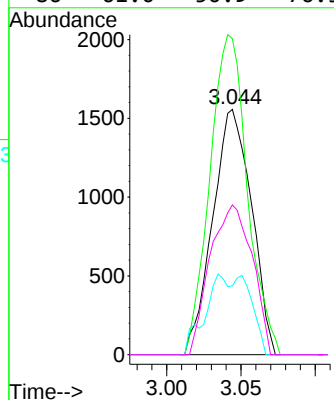


#20
Methylene Chloride
Concen: 0.726 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Instrument :
MSVOA_U
ClientSampleId :
57BR-20220531

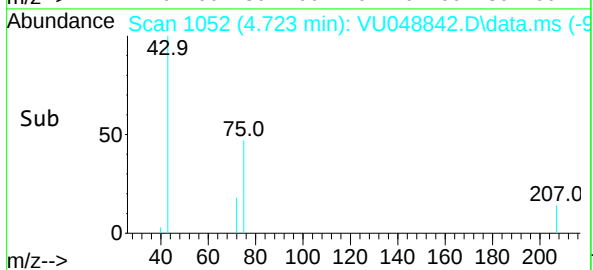
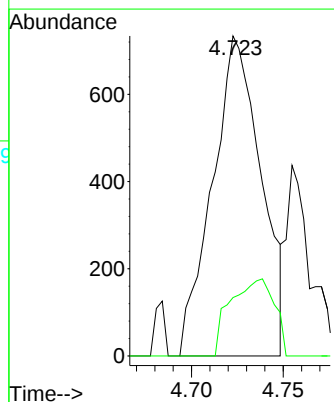
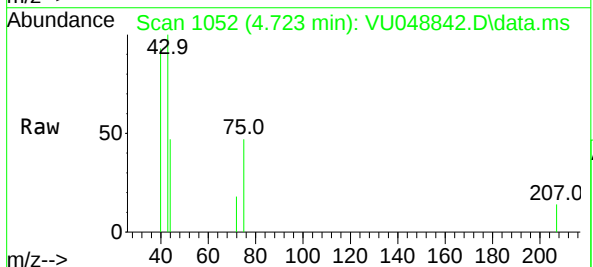


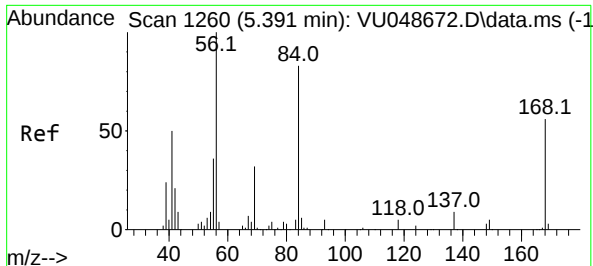
Tgt Ion: 84	Resp: 2829
Ion Ratio	Lower Upper
84 100	
49 128.8	97.0 145.4
51 28.1	29.8 44.8#
86 61.0	50.9 76.3



#25
2-Butanone
Concen: 0.412 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.022 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Tgt Ion: 43	Resp: 1357		
Ion Ratio	Lower	Upper	
43 100			
72 18.3	21.1	31.7#	

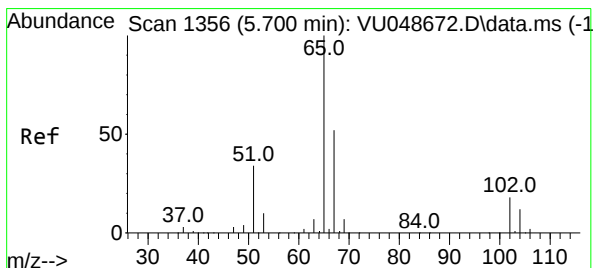
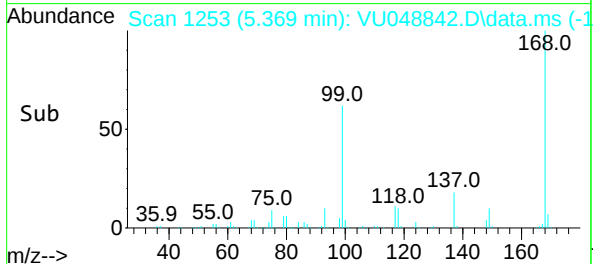
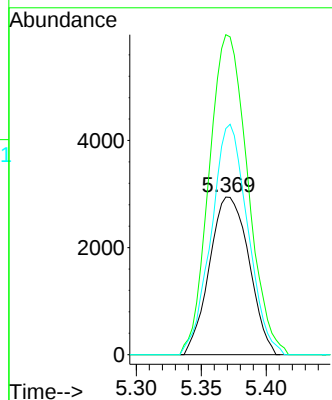
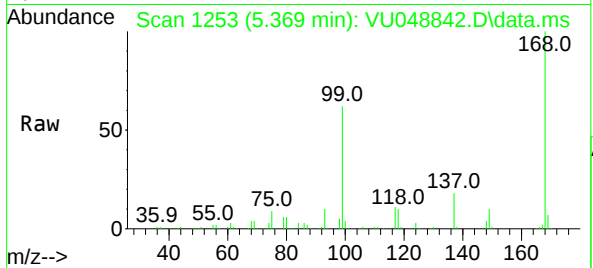




#31
Cyclohexane
Concen: 1.098 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.022 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

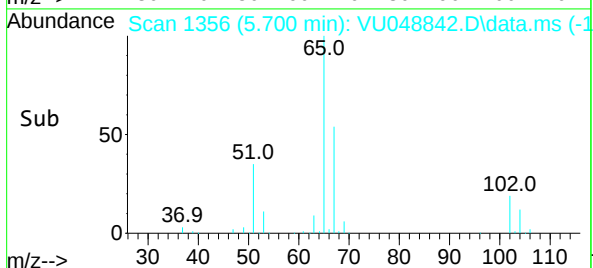
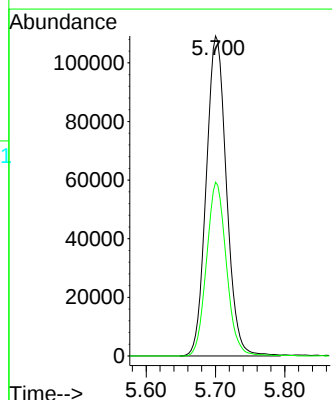
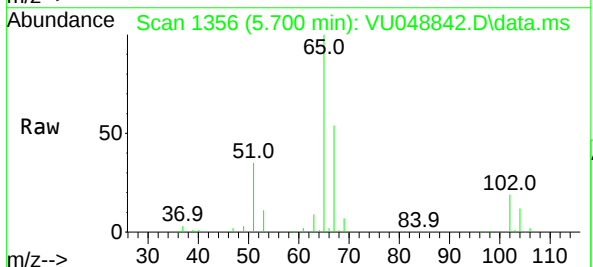
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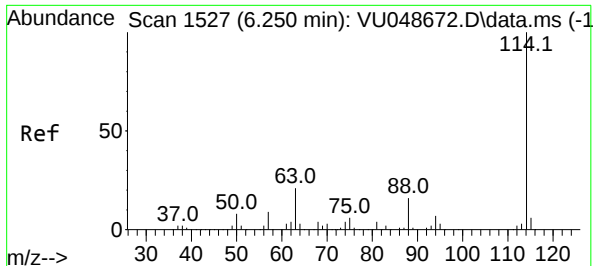
Tgt Ion: 56 Resp: 6225
Ion Ratio Lower Upper
56 100
69 203.1 25.6 38.4#
84 143.5 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 49.184 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Tgt Ion: 65 Resp: 221258
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048842.D

Acq: 03 Jun 2022 07:10

Instrument :

MSVOA_U

ClientSampleId :

57BR-20220531

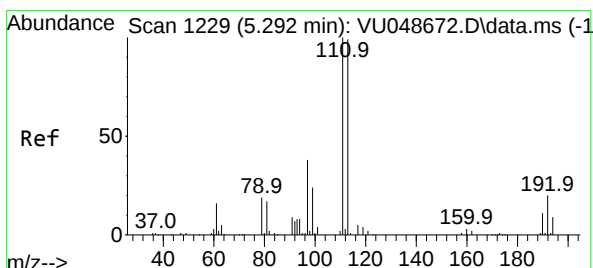
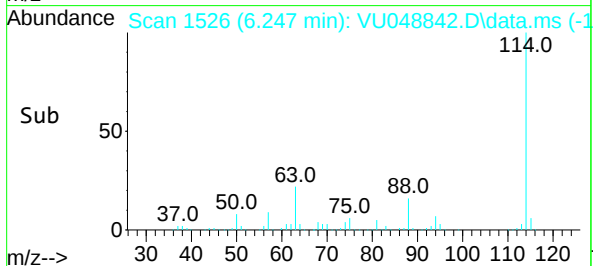
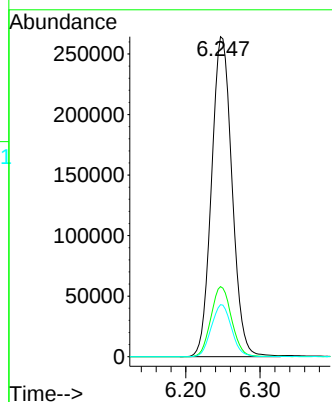
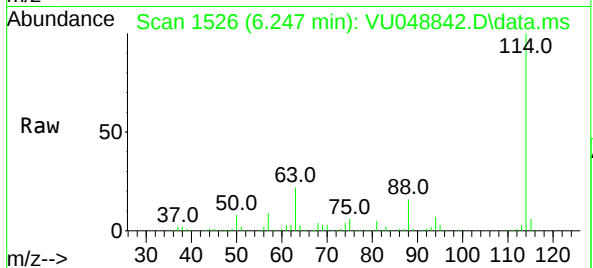
Tgt Ion:114 Resp: 506720

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

88 16.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 44.168 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048842.D

Acq: 03 Jun 2022 07:10

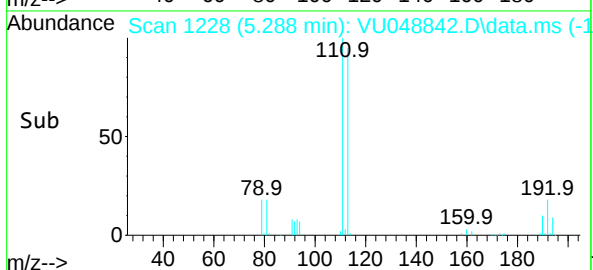
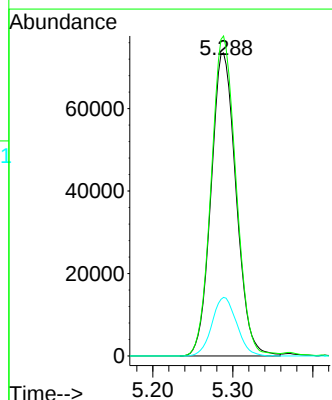
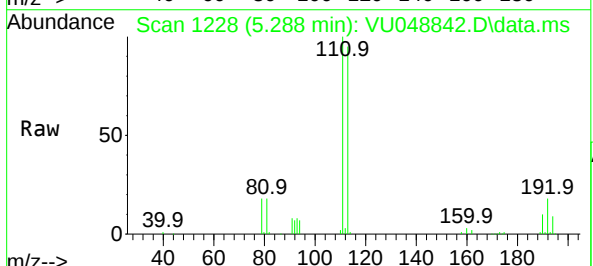
Tgt Ion:113 Resp: 159669

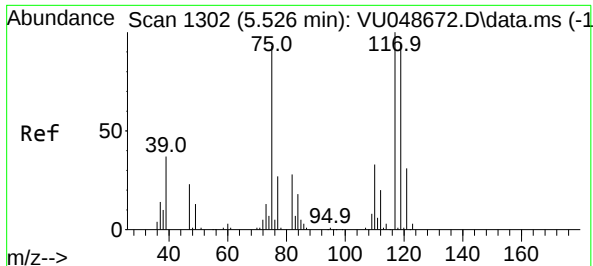
Ion Ratio Lower Upper

113 100

111 104.9 80.7 121.1

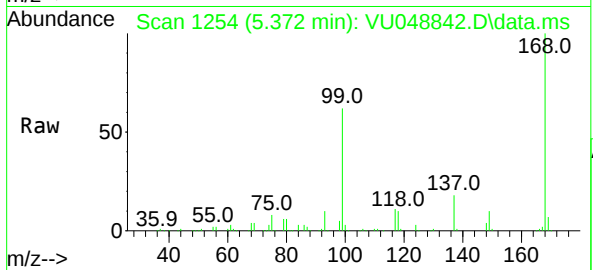
192 19.1 15.9 23.9



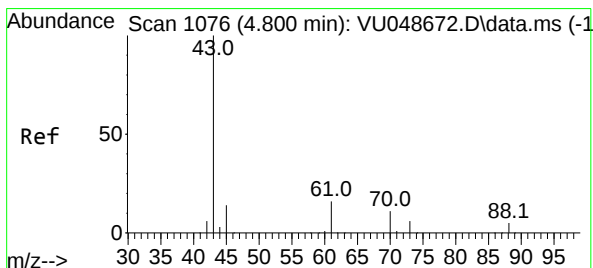
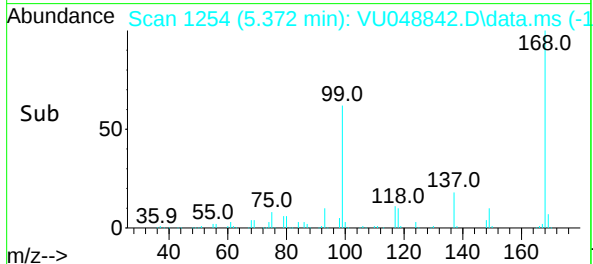
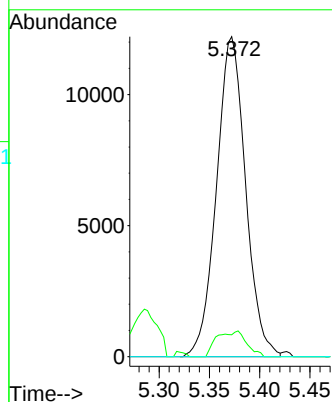


#36
1,1-Dichloropropene
Concen: 4.655 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Instrument :
MSVOA_U
ClientSampleId :
57BR-20220531

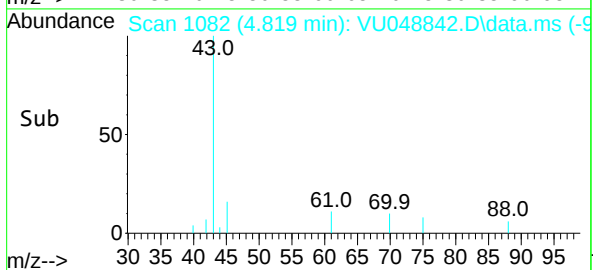
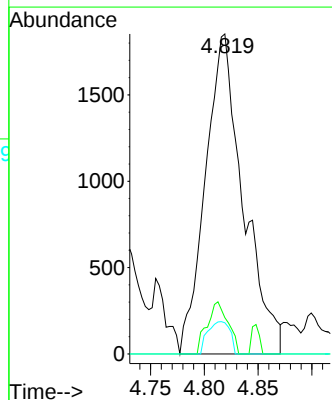
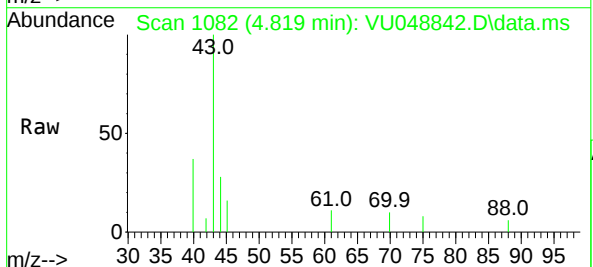


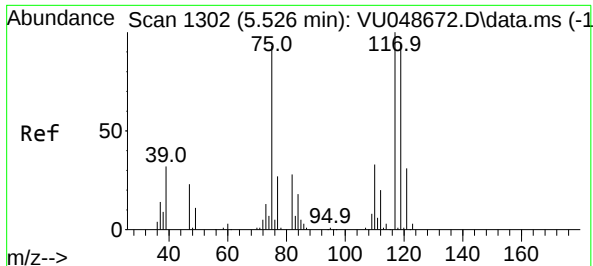
Tgt Ion: 75 Resp: 24560
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 0.680 ug/l
RT: 4.819 min Scan# 1082
Delta R.T. 0.019 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

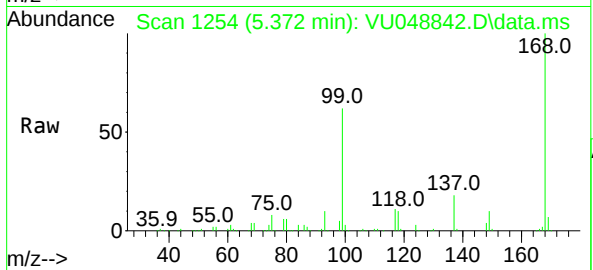
Tgt Ion: 43 Resp: 4535
Ion Ratio Lower Upper
43 100
61 9.0 11.7 17.5#
70 5.9 8.4 12.6#



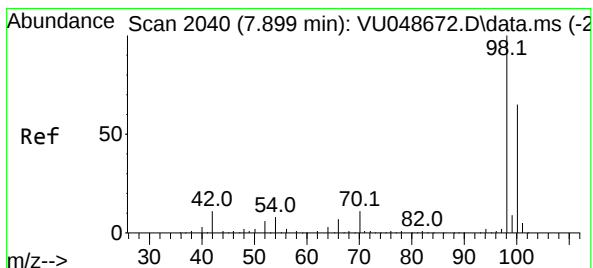
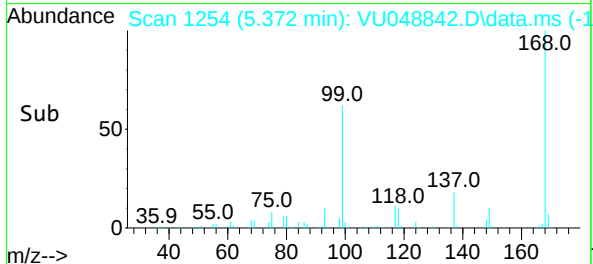
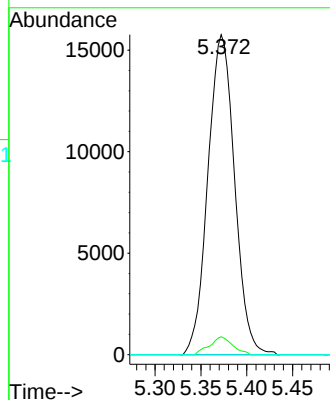


#38
Carbon Tetrachloride
Concen: 5.270 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Instrument :
MSVOA_U
ClientSampleId :
57BR-20220531

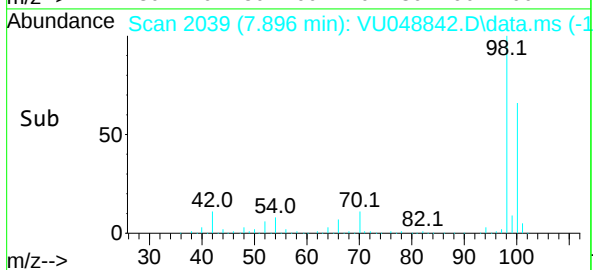
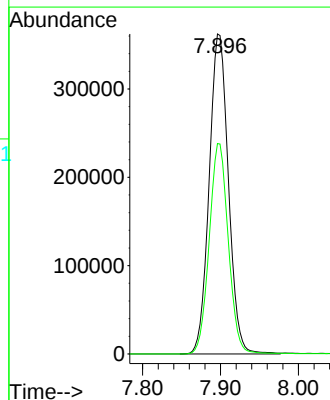
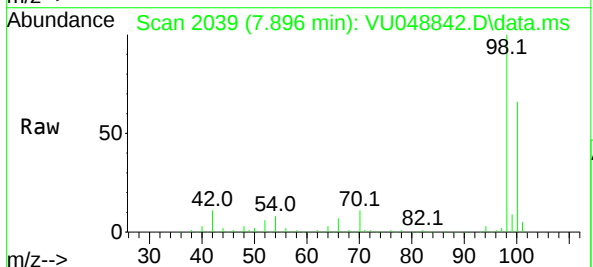


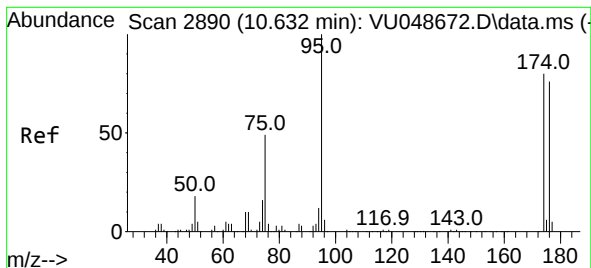
Tgt Ion:117 Resp: 31899
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.977 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Tgt Ion: 98 Resp: 621722
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

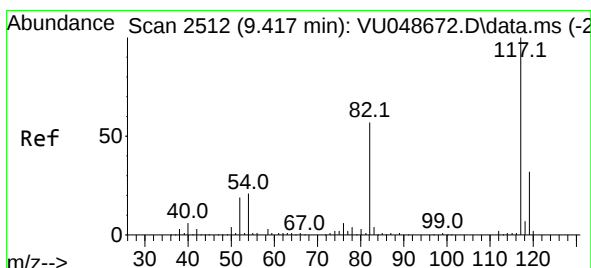
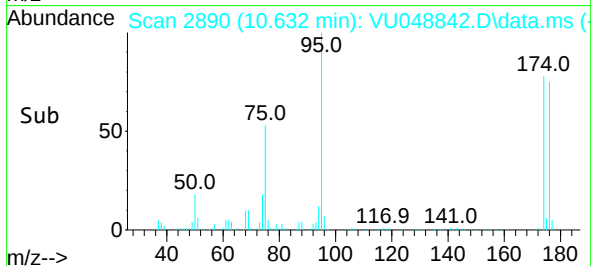
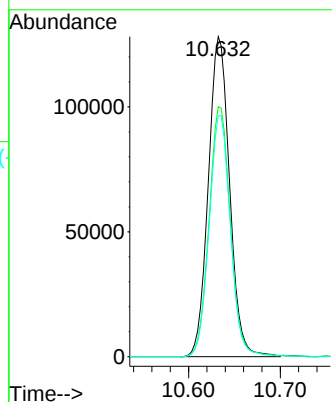
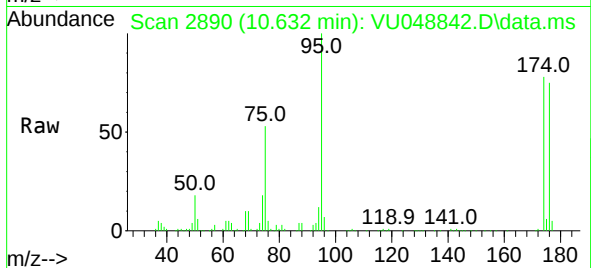




#62
4-Bromofluorobenzene
Concen: 42.121 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

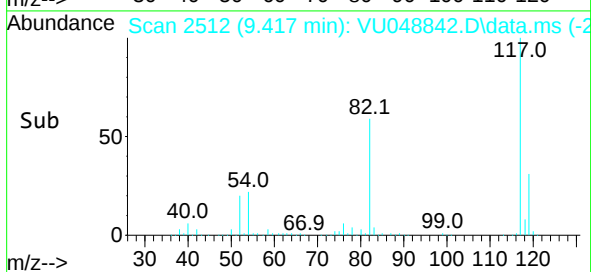
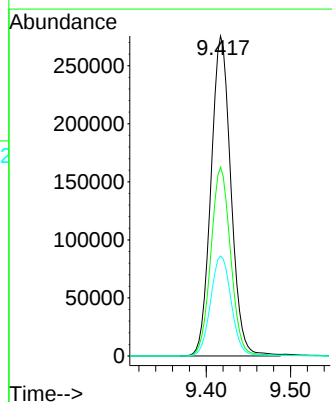
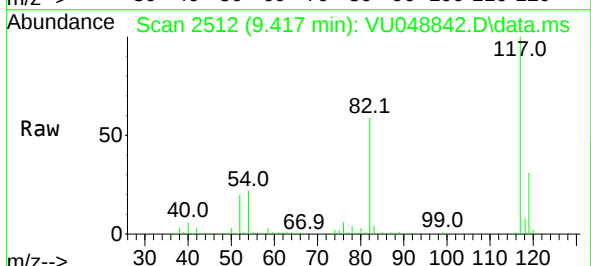
Instrument :
MSVOA_U
ClientSampleId :
57BR-20220531

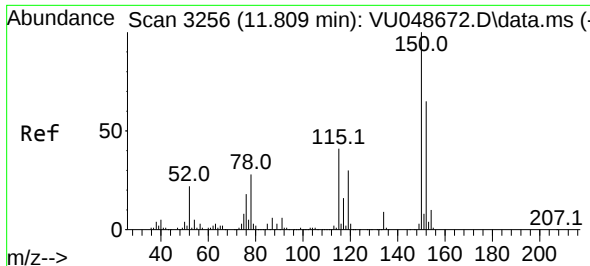
Tgt Ion: 95 Resp: 206427
Ion Ratio Lower Upper
95 100
174 78.7 0.0 159.4
176 75.4 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Tgt Ion: 117 Resp: 453403
Ion Ratio Lower Upper
117 100
82 59.0 45.3 67.9
119 31.3 25.4 38.2

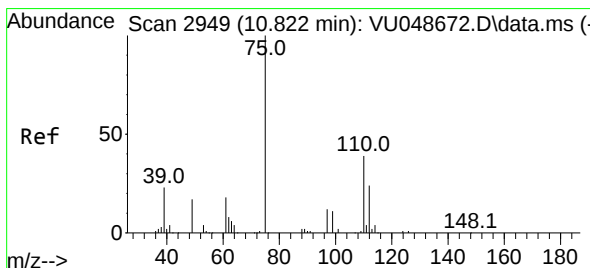
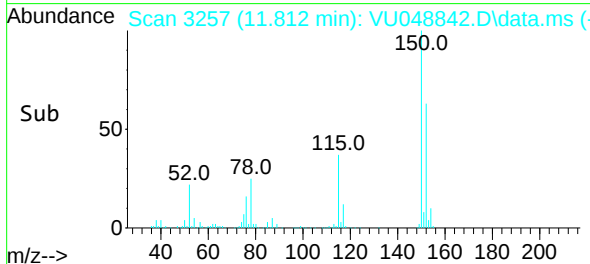
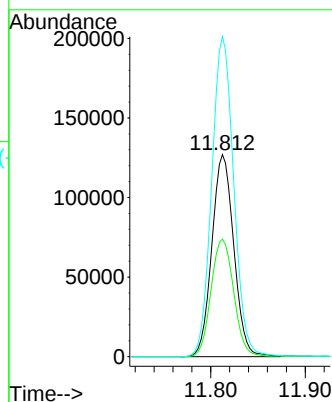
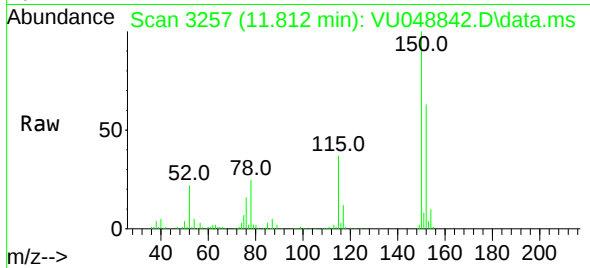




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048842.D
 Acq: 03 Jun 2022 07:10

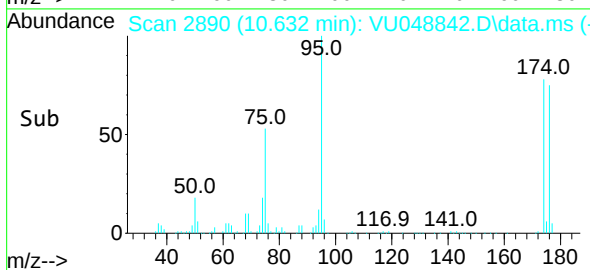
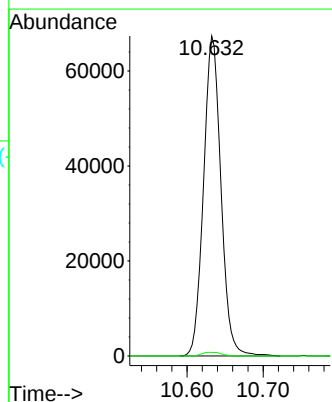
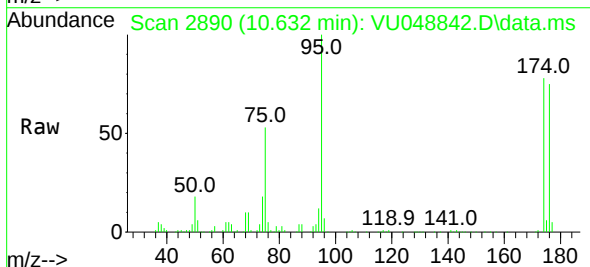
Instrument :
 MSVOA_U
 ClientSampleId :
 57BR-20220531

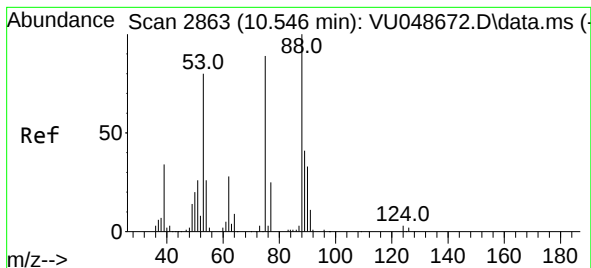
Tgt Ion:152 Resp: 204804
 Ion Ratio Lower Upper
 152 100
 115 60.0 41.8 125.4
 150 159.2 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 16.223 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.190 min
 Lab File: VU048842.D
 Acq: 03 Jun 2022 07:10

Tgt Ion: 75 Resp: 107129
 Ion Ratio Lower Upper
 75 100
 77 1.3 14.8 44.3#

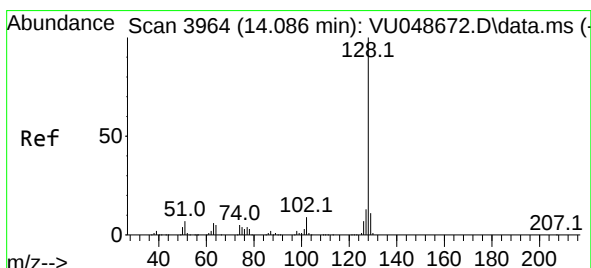
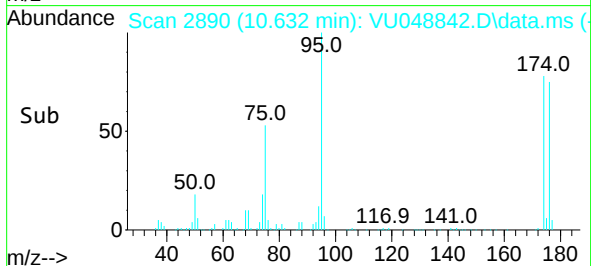
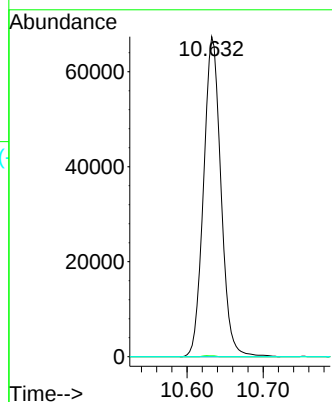
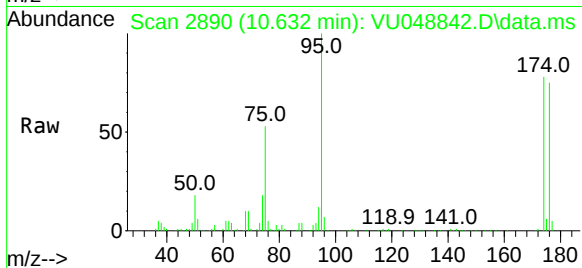




#81
trans-1,4-Dichloro-2-butene
Concen: 58.905 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Instrument :
MSVOA_U
ClientSampleId :
57BR-20220531

Tgt Ion: 75 Resp: 107129
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.656 ug/l
RT: 14.108 min Scan# 3971
Delta R.T. 0.022 min
Lab File: VU048842.D
Acq: 03 Jun 2022 07:10

Tgt Ion: 128 Resp: 2096
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 0.0 8.7 13.1#

