

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048725.D
 Acq On : 28 May 2022 04:45
 Operator : SY/MD
 Sample : N2934-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RB-220512

Quant Time: May 30 03:01:53 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)

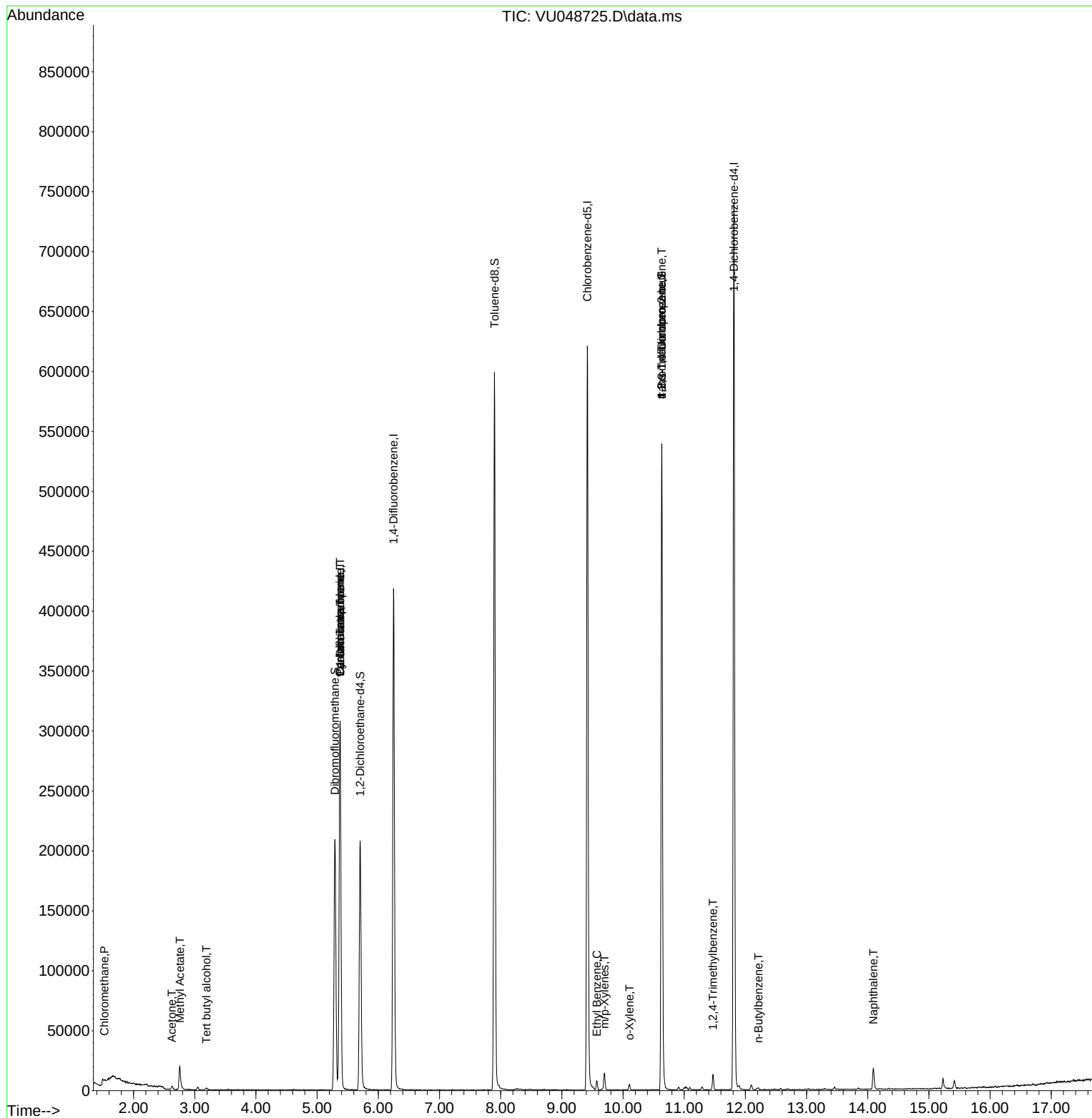
Internal Standards						
1) Pentafluorobenzene	5.375	168	213439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	343295	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	349638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	203401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	162799	50.788	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.580%		
35) Dibromofluoromethane	5.292	113	138263	56.454	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 112.900%		
50) Toluene-d8	7.899	98	401297	45.709	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 91.420%#		
62) 4-Bromofluorobenzene	10.632	95	185305	55.811	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 111.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	712	0.226	ug/l #	43
5) Bromomethane	1.858	94	180	Below Cal	#	73
6) Chloroethane	1.996	64	252	Below Cal	#	43
11) Tert butyl alcohol	3.192	59	884	1.088	ug/l #	28
13) Acrolein	2.469	56	43	Below Cal	#	1
16) Acetone	2.626	43	3764	2.304	ug/l	97
18) Methyl Acetate	2.758	43	5308	1.294	ug/l #	51
31) Cyclohexane	5.375	56	4383	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17419	4.873	ug/l #	51
38) Carbon Tetrachloride	5.375	117	21975	5.359	ug/l #	17
67) Ethyl Benzene	9.571	91	5703	0.457	ug/l	99
68) m/p-Xylenes	9.697	106	4635	0.950	ug/l	89
69) o-Xylene	10.105	106	1338	0.279	ug/l	97
76) 1,2,3-Trichloropropane	10.632	75	94044	14.340	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	94044	52.067	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	7705	1.798	ug/l	98
89) n-Butylbenzene	12.214	91	701	2.242	ug/l #	60
95) Naphthalene	14.092	128	16918	3.536	ug/l	96

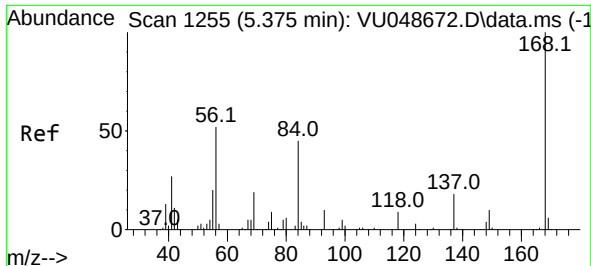
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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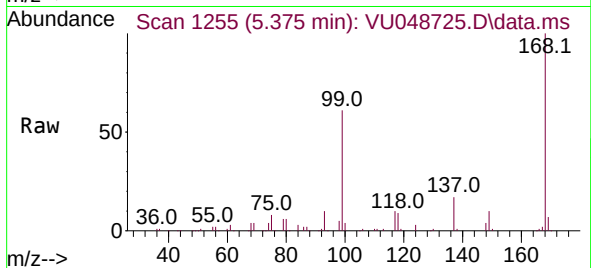
Quant Time: May 30 03:01:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
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QLast Update : Fri May 27 06:42:31 2022
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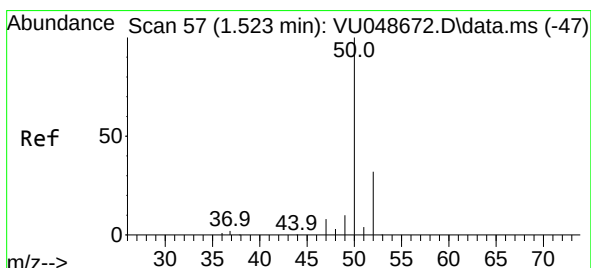
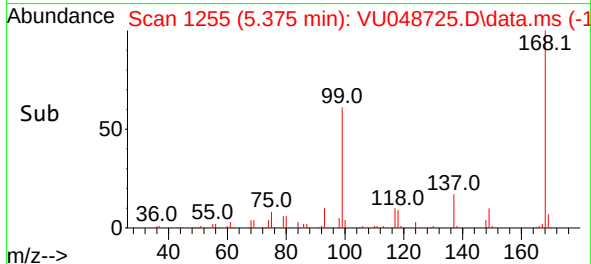
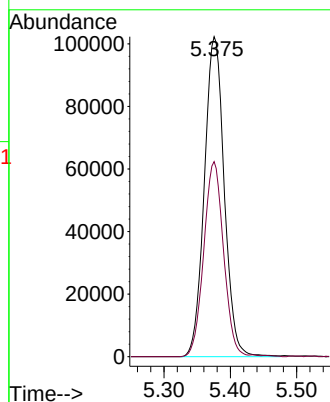


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

Instrument :
MSVOA_U
ClientSampleId :
RB-220512

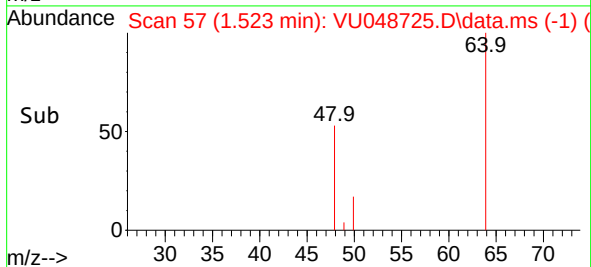
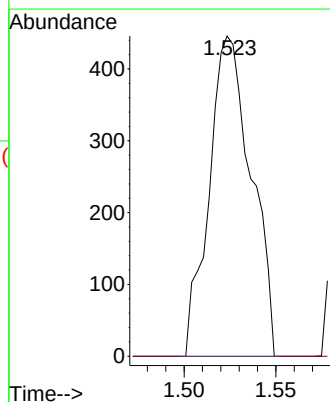
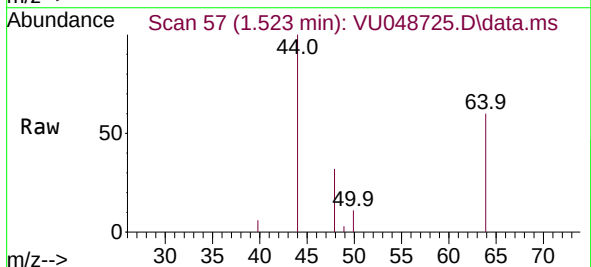


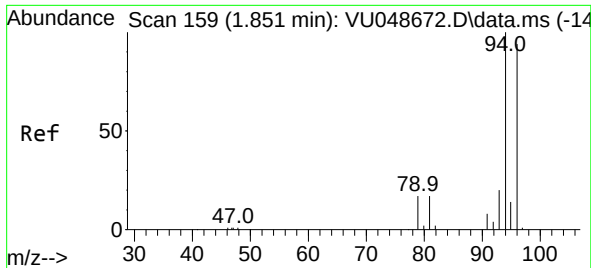
Tgt Ion:168 Resp: 213439
Ion Ratio Lower Upper
168 100
99 61.0 49.3 73.9



#3
Chloromethane
Concen: 0.226 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

Tgt Ion: 50 Resp: 712
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

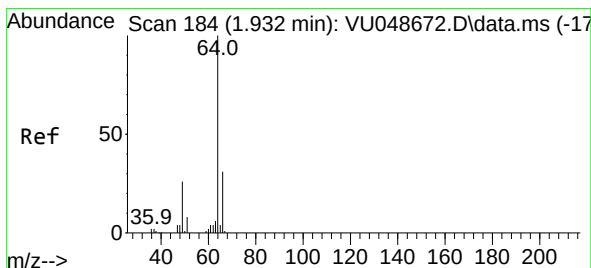
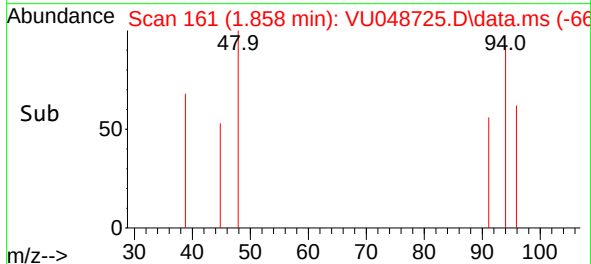
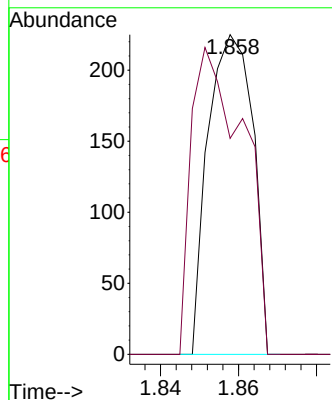
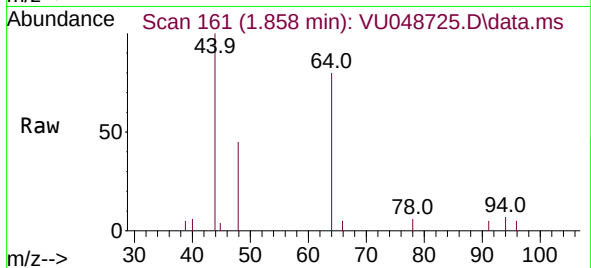




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 1
Delta R.T. 0.007 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

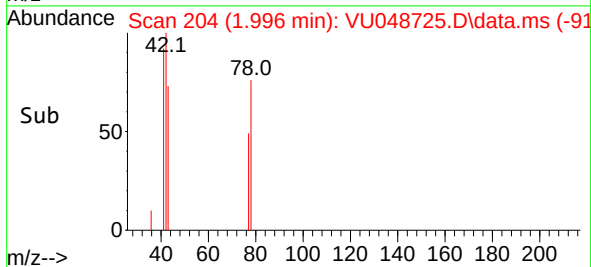
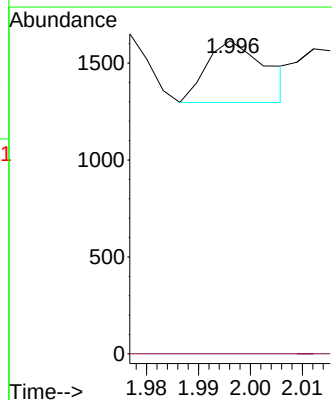
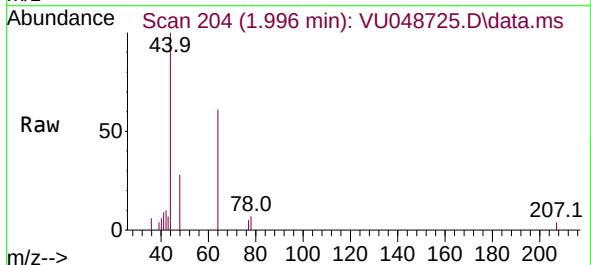
Instrument :
MSVOA_U
ClientSampleId :
RB-220512

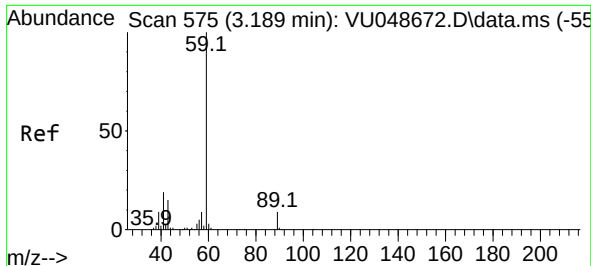
Tgt Ion: 94 Resp: 180
Ion Ratio Lower Upper
94 100
96 67.6 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.996 min Scan# 204
Delta R.T. 0.064 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

Tgt Ion: 64 Resp: 252
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

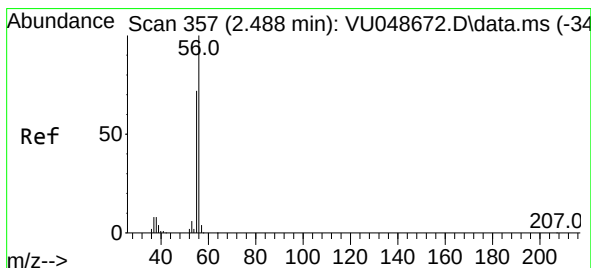
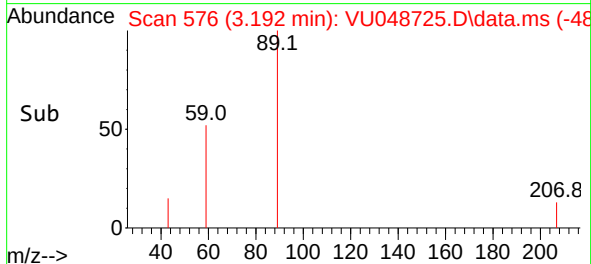
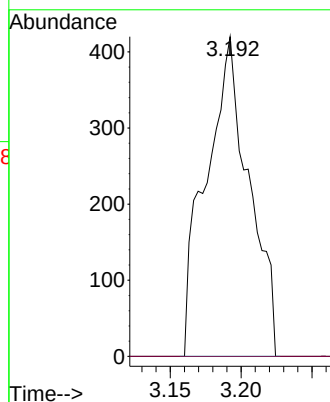
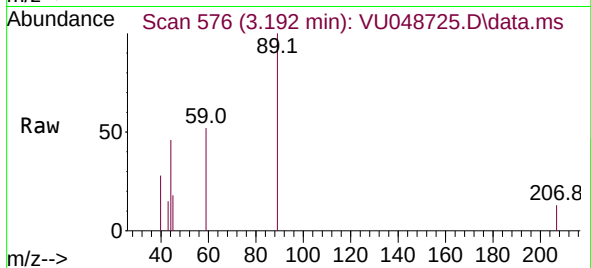




#11
Tert butyl alcohol
Concen: 1.088 ug/l
RT: 3.192 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

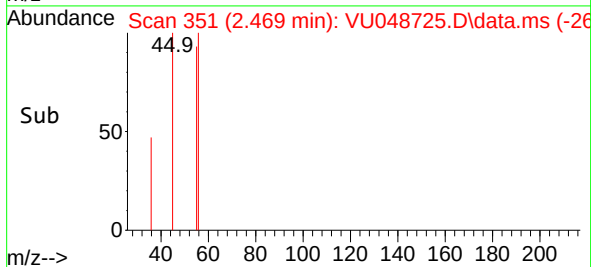
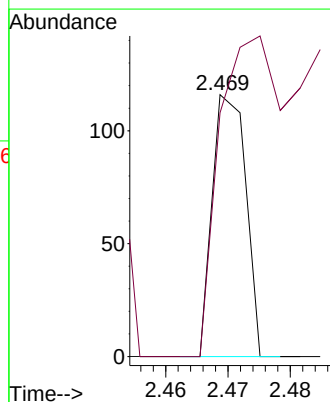
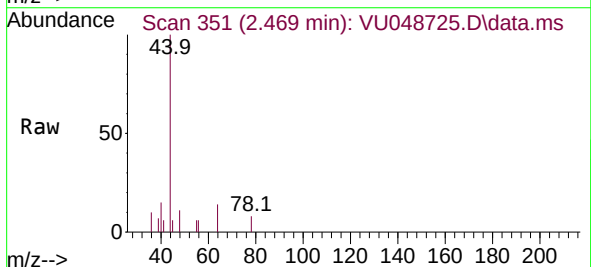
Instrument :
MSVOA_U
ClientSampleId :
RB-220512

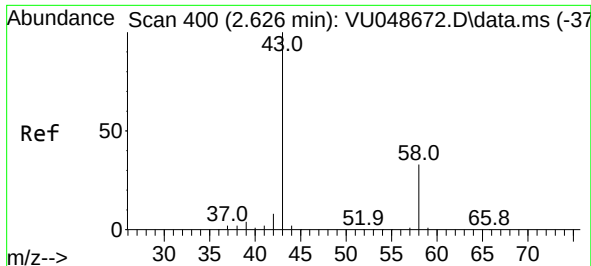
Tgt Ion: 59 Resp: 884
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.469 min Scan# 351
Delta R.T. -0.019 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 223.3 57.7 86.5#





#16

Acetone

Concen: 2.304 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU048725.D

Acq: 28 May 2022 04:45

Instrument :

MSVOA_U

ClientSampleId :

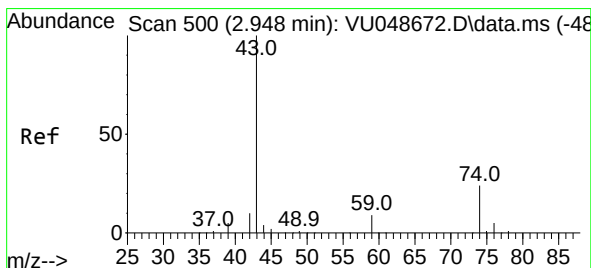
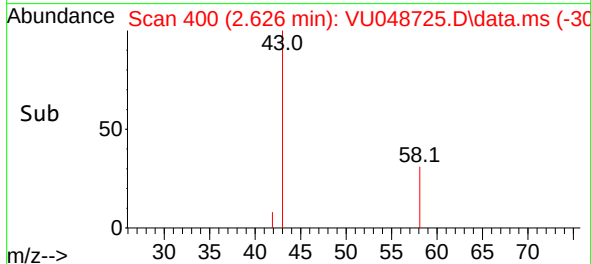
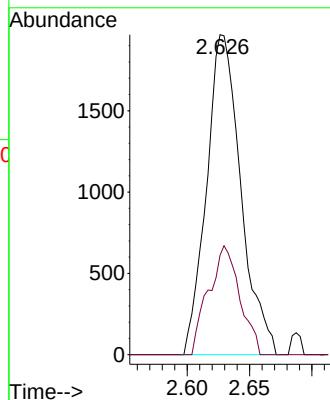
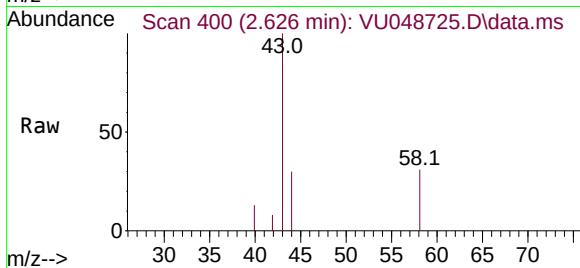
RB-220512

Tgt Ion: 43 Resp: 3764

Ion Ratio Lower Upper

43 100

58 31.0 26.3 39.5



#18

Methyl Acetate

Concen: 1.294 ug/l

RT: 2.758 min Scan# 441

Delta R.T. -0.190 min

Lab File: VU048725.D

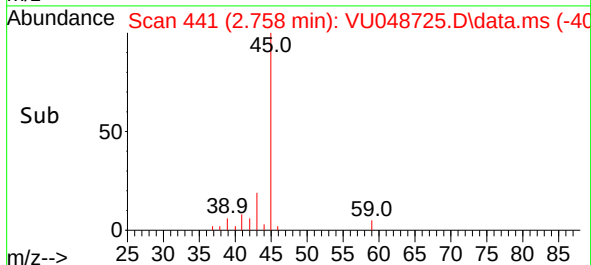
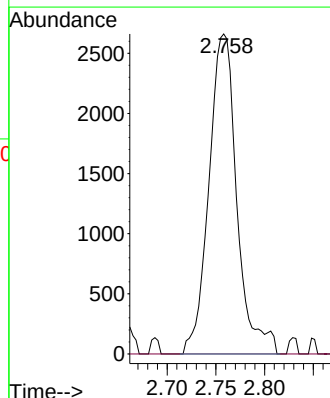
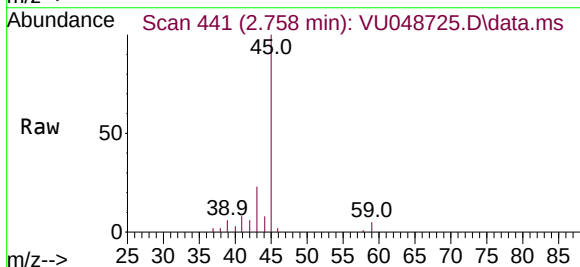
Acq: 28 May 2022 04:45

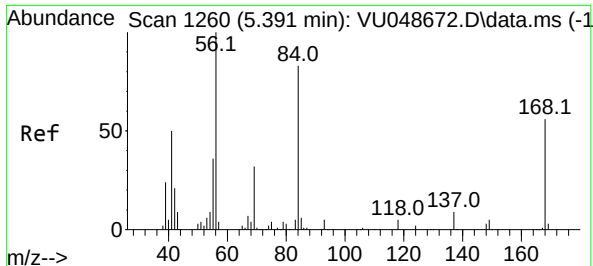
Tgt Ion: 43 Resp: 5308

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#31

Cyclohexane

Concen: 1.085 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.016 min

Lab File: VU048725.D

Acq: 28 May 2022 04:45

Instrument :

MSVOA_U

ClientSampleId :

RB-220512

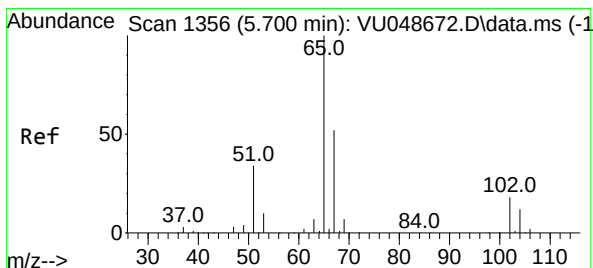
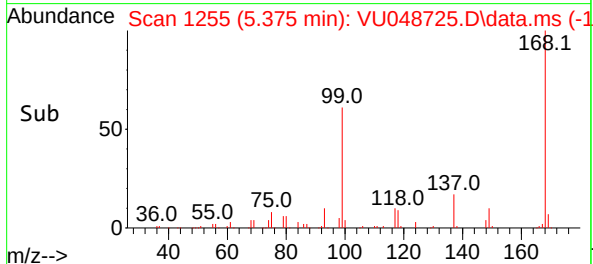
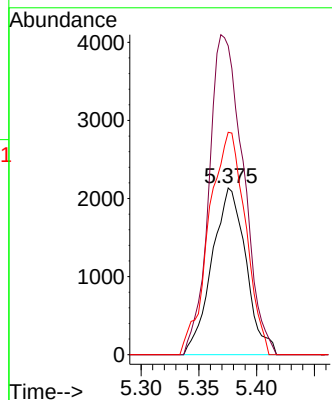
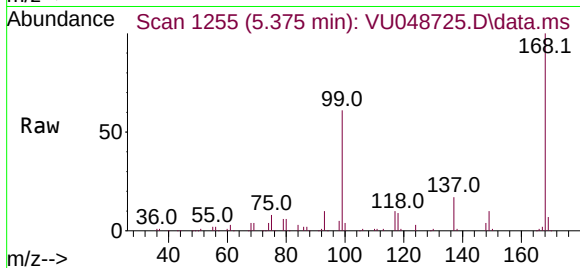
Tgt Ion: 56 Resp: 4383

Ion Ratio Lower Upper

56 100

69 185.1 25.6 38.4#

84 133.4 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 50.788 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU048725.D

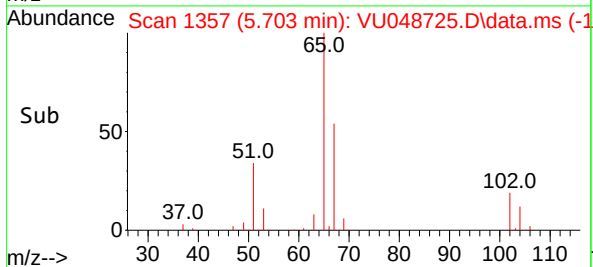
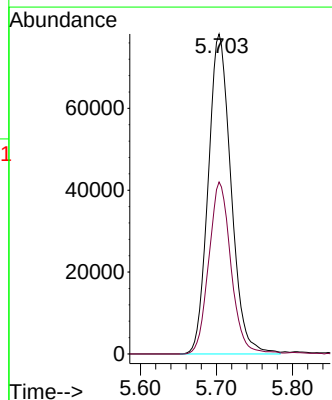
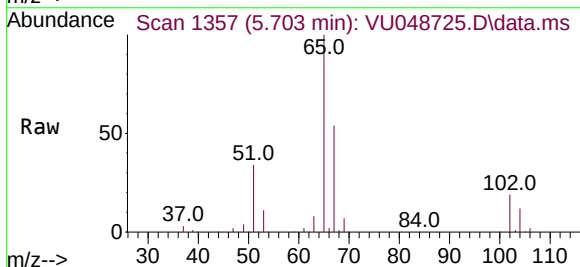
Acq: 28 May 2022 04:45

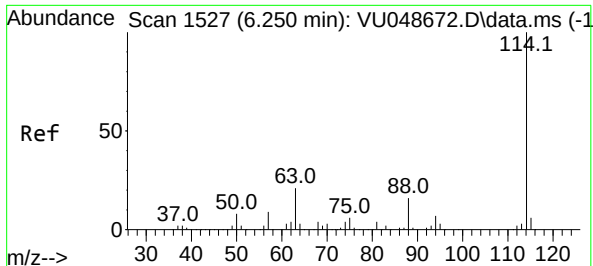
Tgt Ion: 65 Resp: 162799

Ion Ratio Lower Upper

65 100

67 52.3 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: VU048725.D

Acq: 28 May 2022 04:45

Instrument :

MSVOA_U

ClientSampleId :

RB-220512

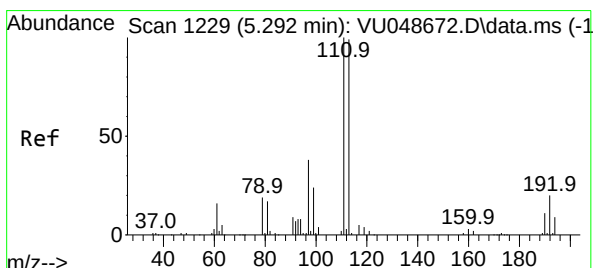
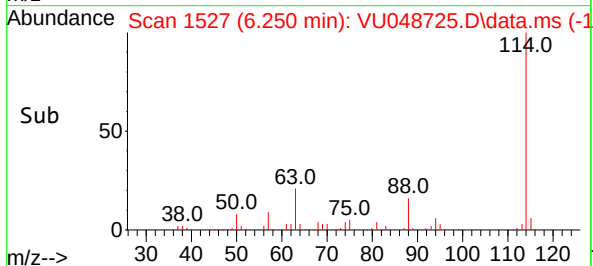
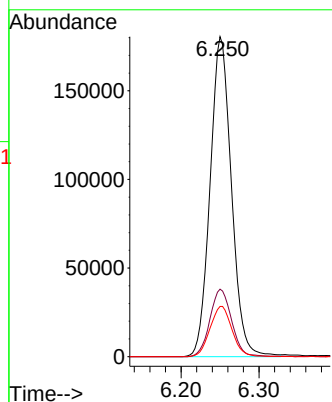
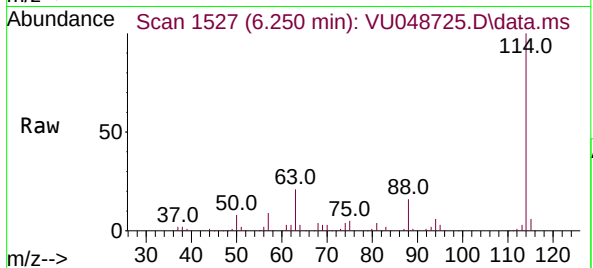
Tgt Ion:114 Resp: 343295

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 15.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.454 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU048725.D

Acq: 28 May 2022 04:45

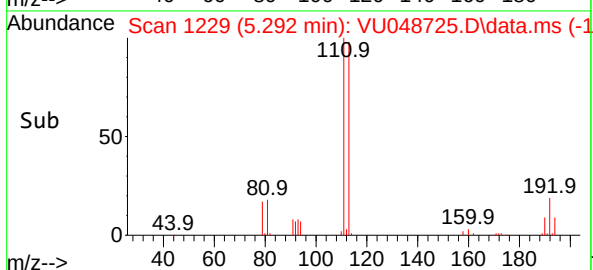
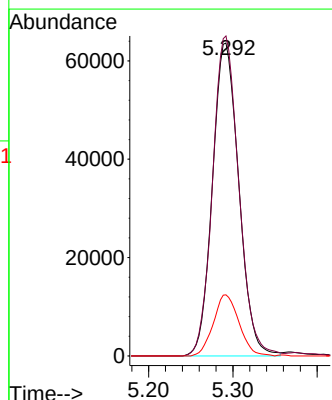
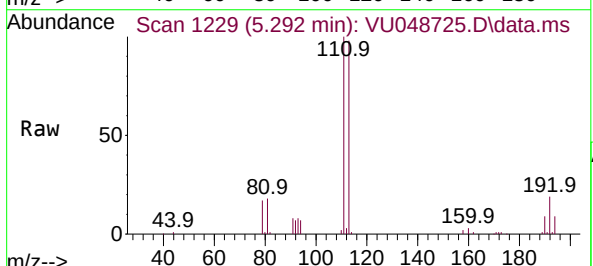
Tgt Ion:113 Resp: 138263

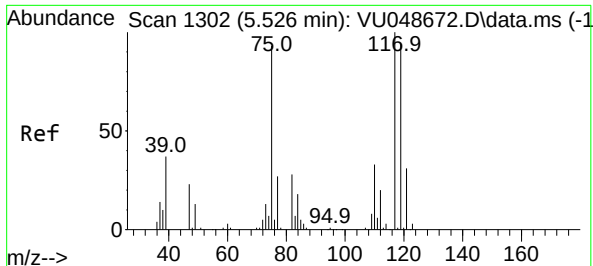
Ion Ratio Lower Upper

113 100

111 101.9 80.7 121.1

192 19.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.873 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.151 min

Lab File: VU048725.D

Acq: 28 May 2022 04:45

Instrument :

MSVOA_U

ClientSampleId :

RB-220512

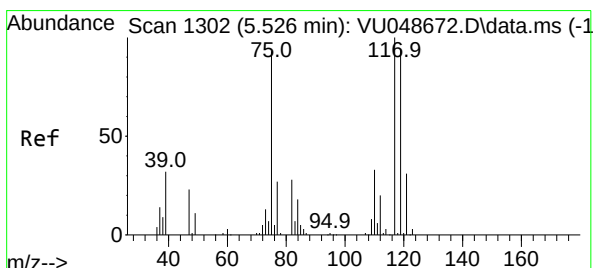
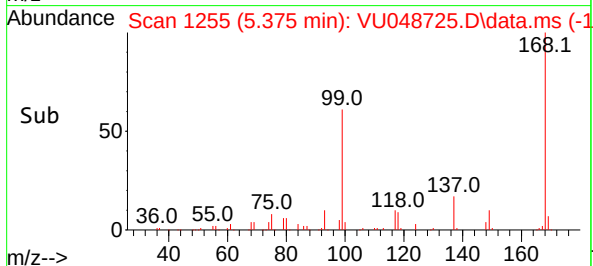
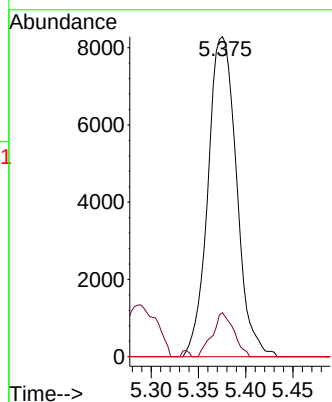
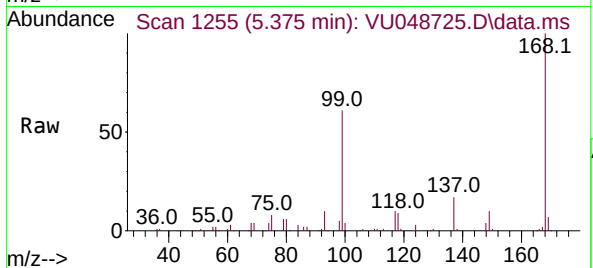
Tgt Ion: 75 Resp: 17419

Ion Ratio Lower Upper

75 100

110 10.3 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.359 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048725.D

Acq: 28 May 2022 04:45

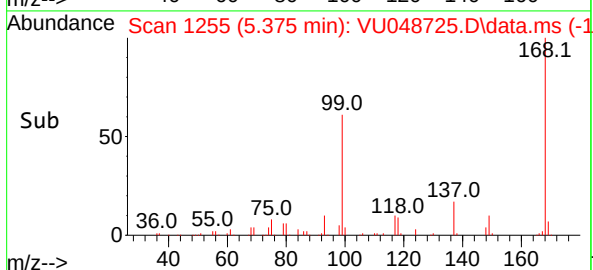
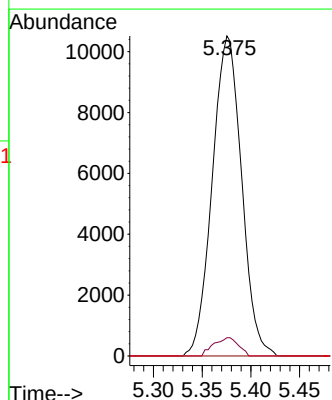
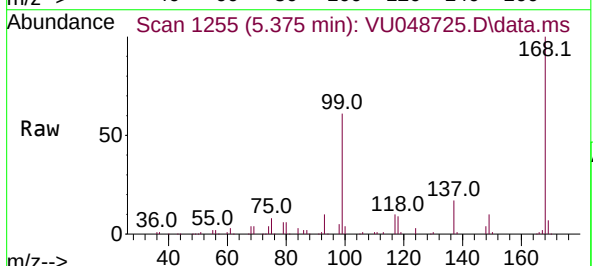
Tgt Ion: 117 Resp: 21975

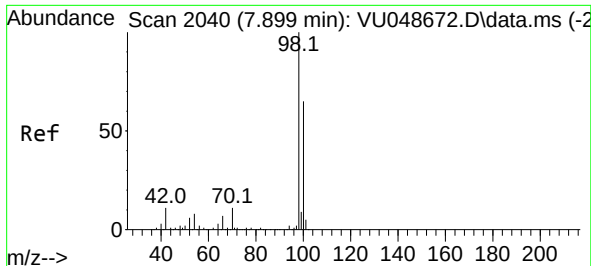
Ion Ratio Lower Upper

117 100

119 5.7 75.4 113.2#

121 0.0 24.6 36.8#

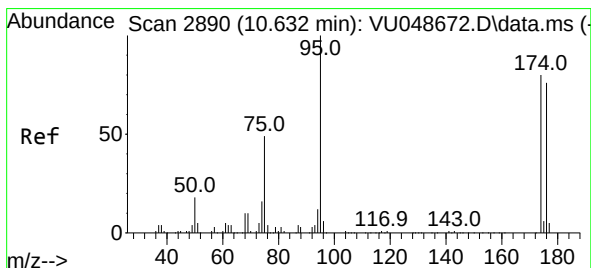
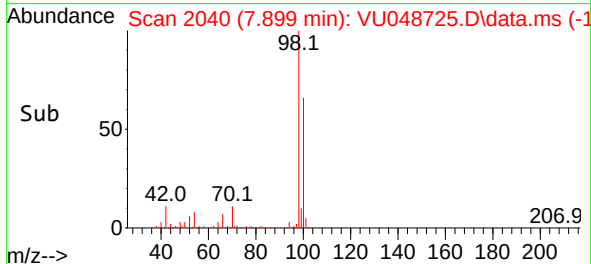
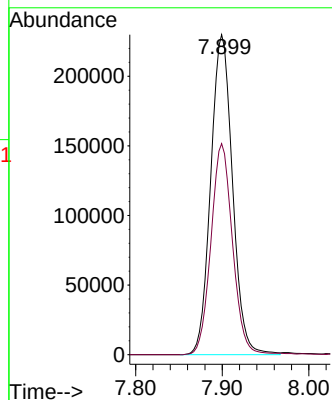
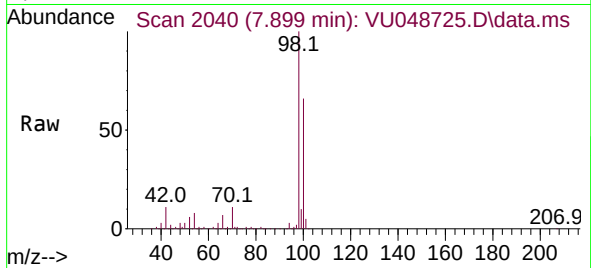




#50
Toluene-d8
Concen: 45.709 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

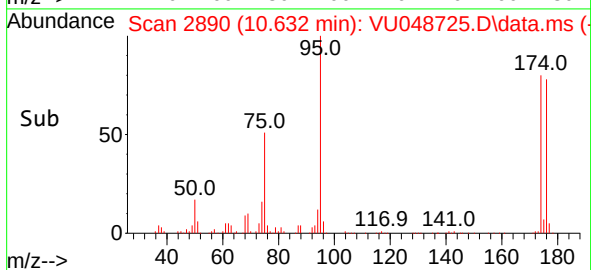
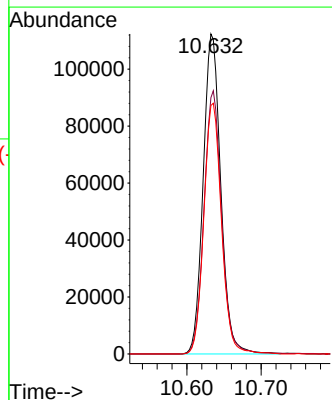
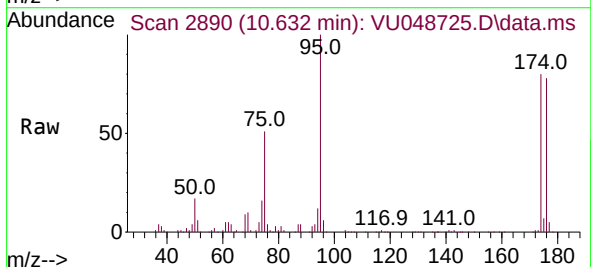
Instrument :
MSVOA_U
ClientSampleId :
RB-220512

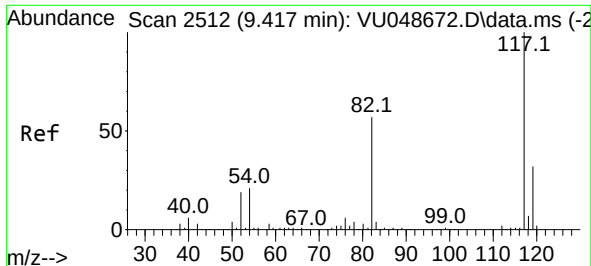
Tgt Ion: 98 Resp: 401297
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 55.811 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

Tgt Ion: 95 Resp: 185305
Ion Ratio Lower Upper
95 100
174 82.0 0.0 159.4
176 78.5 0.0 152.4

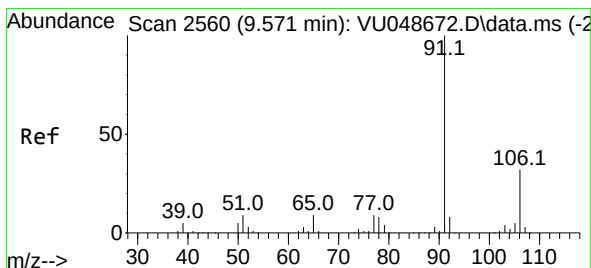
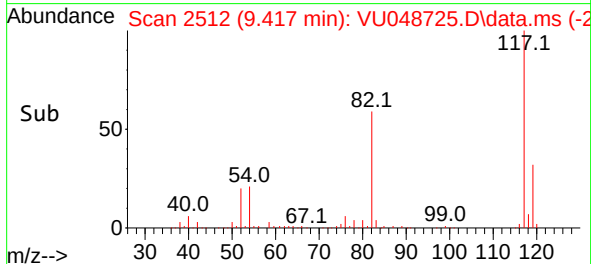
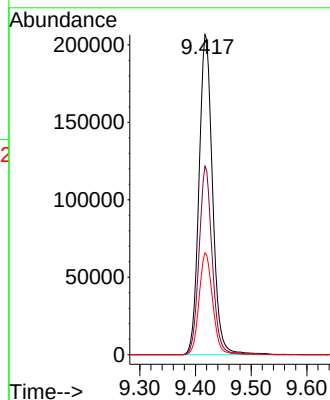
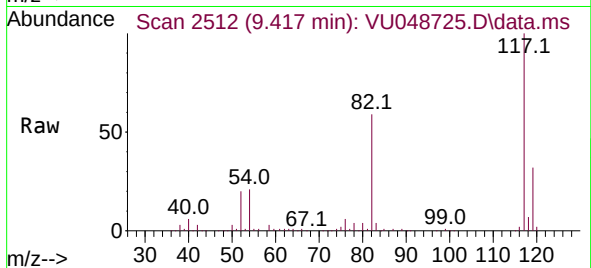




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

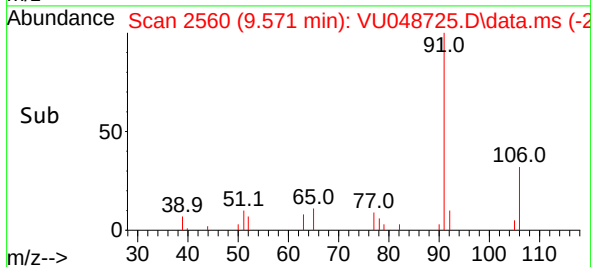
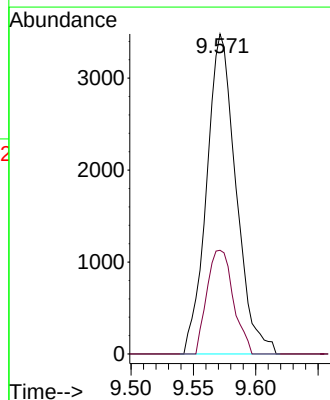
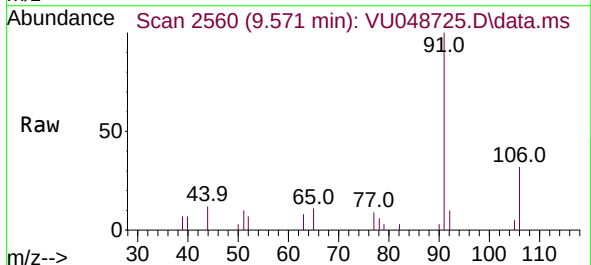
Instrument :
MSVOA_U
ClientSampleId :
RB-220512

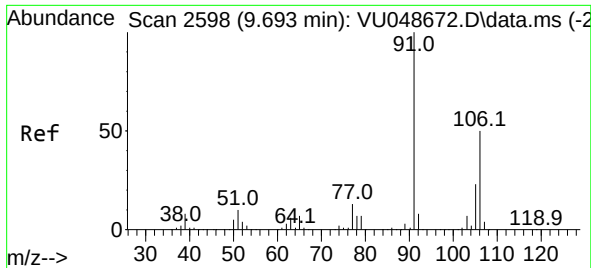
Tgt Ion:117 Resp: 349638
Ion Ratio Lower Upper
117 100
82 58.9 45.3 67.9
119 31.8 25.4 38.2



#67
Ethyl Benzene
Concen: 0.457 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

Tgt Ion: 91 Resp: 5703
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2

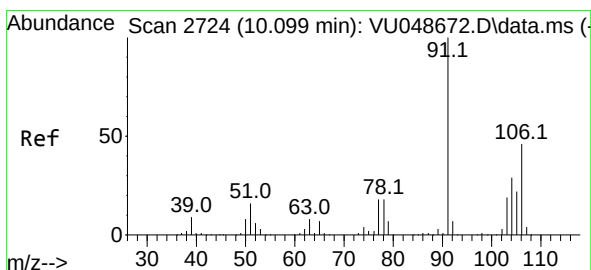
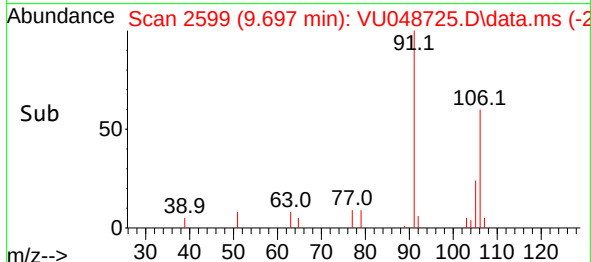
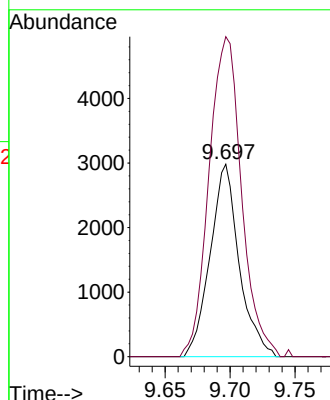
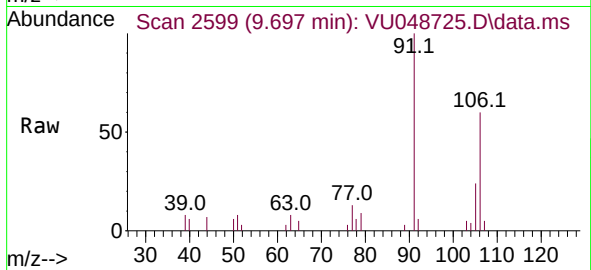




#68
m/p-Xylenes
Concen: 0.950 ug/l
RT: 9.697 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

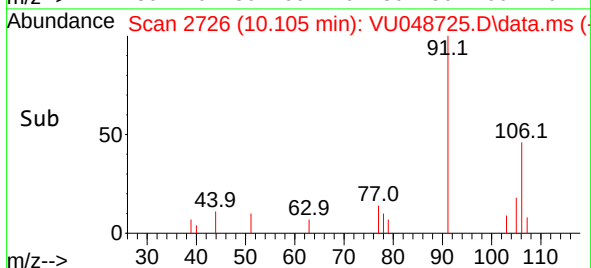
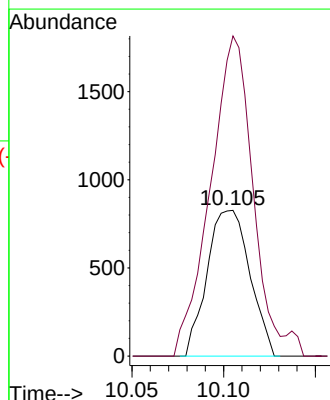
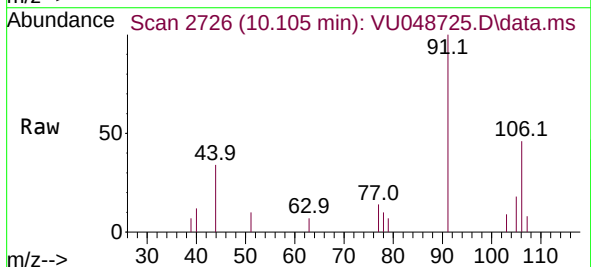
Instrument :
MSVOA_U
ClientSampleId :
RB-220512

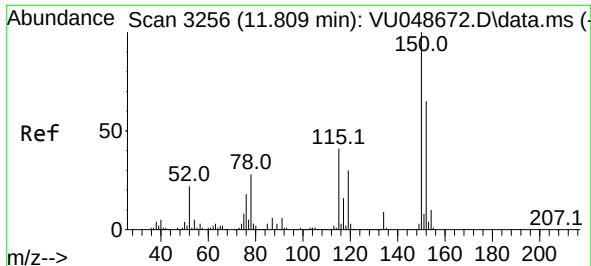
Tgt Ion:106 Resp: 4635
Ion Ratio Lower Upper
106 100
91 186.0 162.4 243.6



#69
o-Xylene
Concen: 0.279 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.006 min
Lab File: VU048725.D
Acq: 28 May 2022 04:45

Tgt Ion:106 Resp: 1338
Ion Ratio Lower Upper
106 100
91 220.3 107.7 323.3

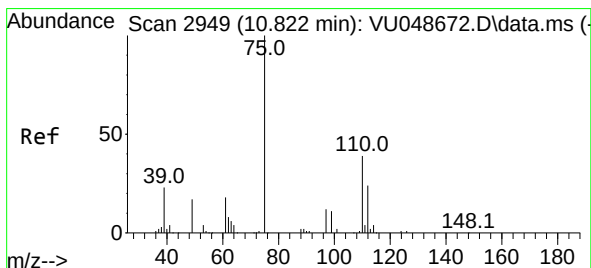
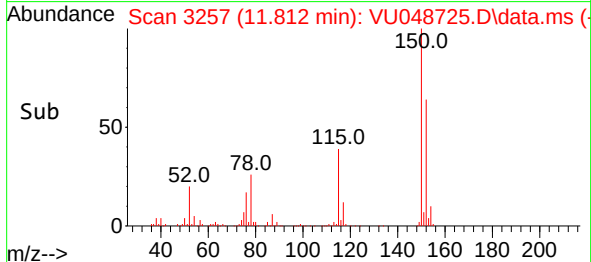
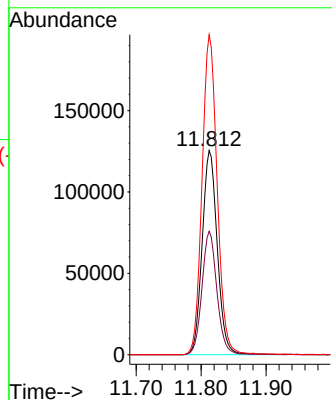
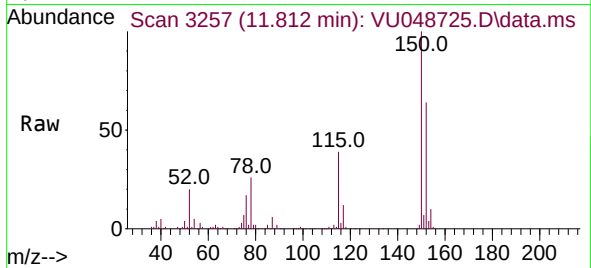




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048725.D
 Acq: 28 May 2022 04:45

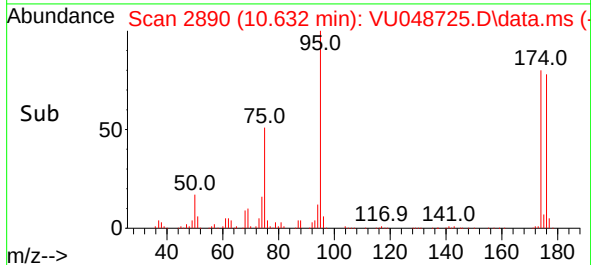
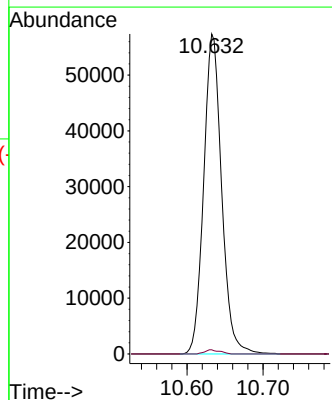
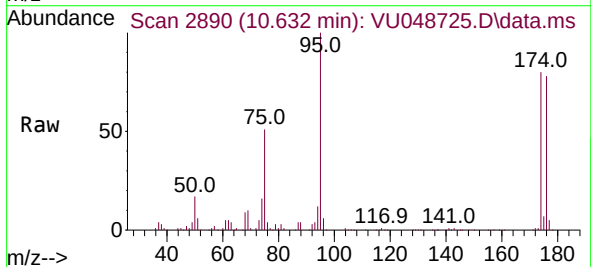
Instrument :
 MSVOA_U
 ClientSampleId :
 RB-220512

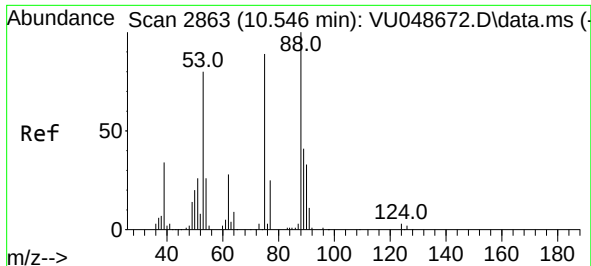
Tgt Ion:152 Resp: 203401
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.8 125.4
 150 156.2 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 14.340 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.190 min
 Lab File: VU048725.D
 Acq: 28 May 2022 04:45

Tgt Ion: 75 Resp: 94044
 Ion Ratio Lower Upper
 75 100
 77 1.1 14.8 44.3#

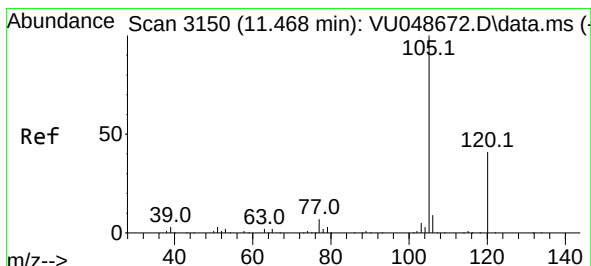
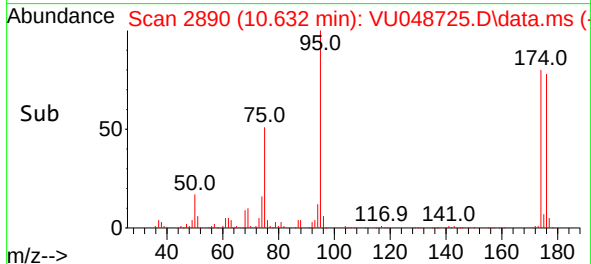
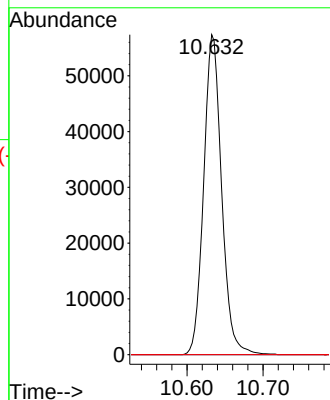
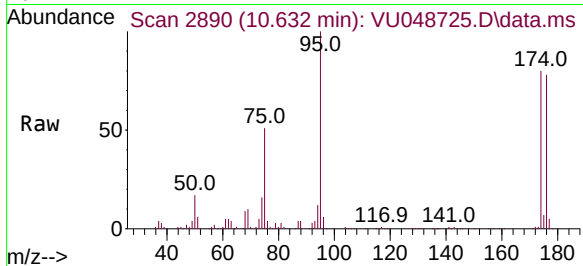




#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.067 ug/l
 RT: 10.632 min Scan# 21
 Delta R.T. 0.087 min
 Lab File: VU048725.D
 Acq: 28 May 2022 04:45

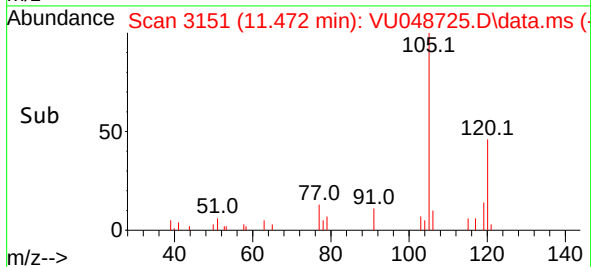
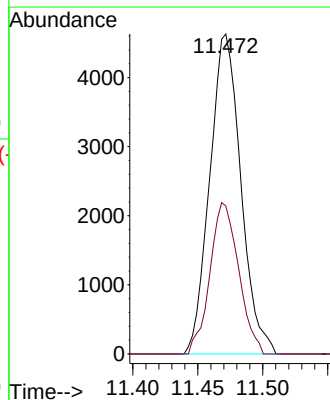
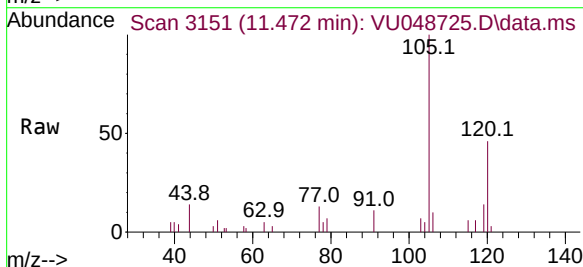
Instrument :
 MSVOA_U
 ClientSampleId :
 RB-220512

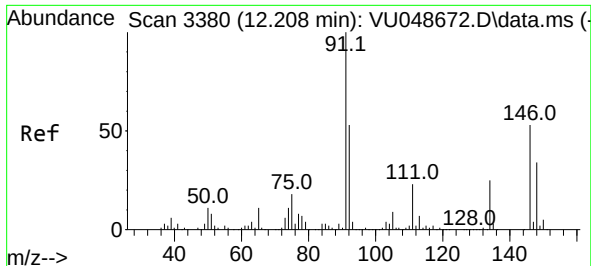
Tgt Ion: 75 Resp: 94044
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.798 ug/l
 RT: 11.472 min Scan# 3151
 Delta R.T. 0.004 min
 Lab File: VU048725.D
 Acq: 28 May 2022 04:45

Tgt Ion: 105 Resp: 7705
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.5 67.5





#89

n-Butylbenzene

Concen: 2.242 ug/l

RT: 12.214 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU048725.D

Acq: 28 May 2022 04:45

Instrument :

MSVOA_U

ClientSampleId :

RB-220512

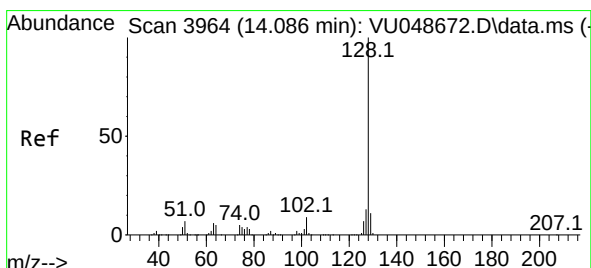
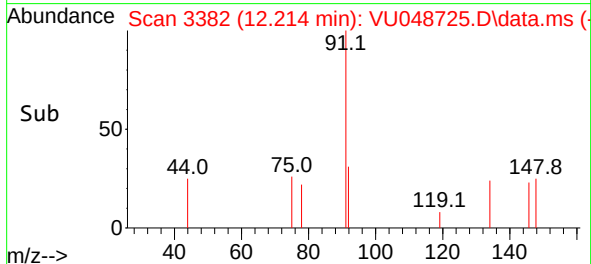
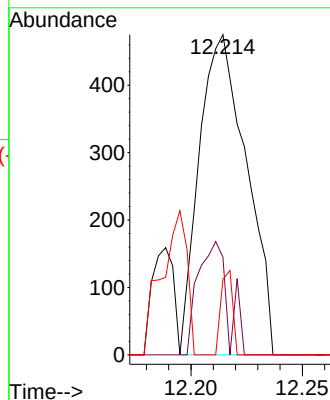
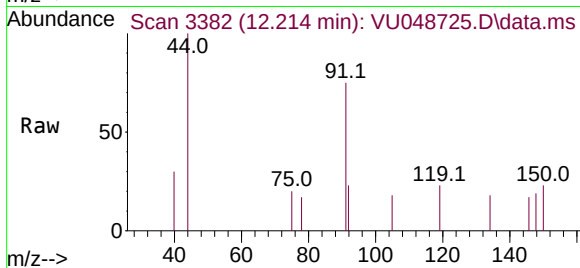
Tgt Ion: 91 Resp: 701

Ion Ratio Lower Upper

91 100

92 22.4 25.9 77.8#

134 6.6 12.5 37.5#



#95

Naphthalene

Concen: 3.536 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU048725.D

Acq: 28 May 2022 04:45

Tgt Ion: 128 Resp: 16918

Ion Ratio Lower Upper

128 100

127 10.6 10.2 15.4

129 10.1 8.7 13.1

