

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048762.D
 Acq On : 01 Jun 2022 01:25
 Operator : SY/MD
 Sample : PN145171TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB145171TB

Quant Time: Jun 01 05:44:47 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)

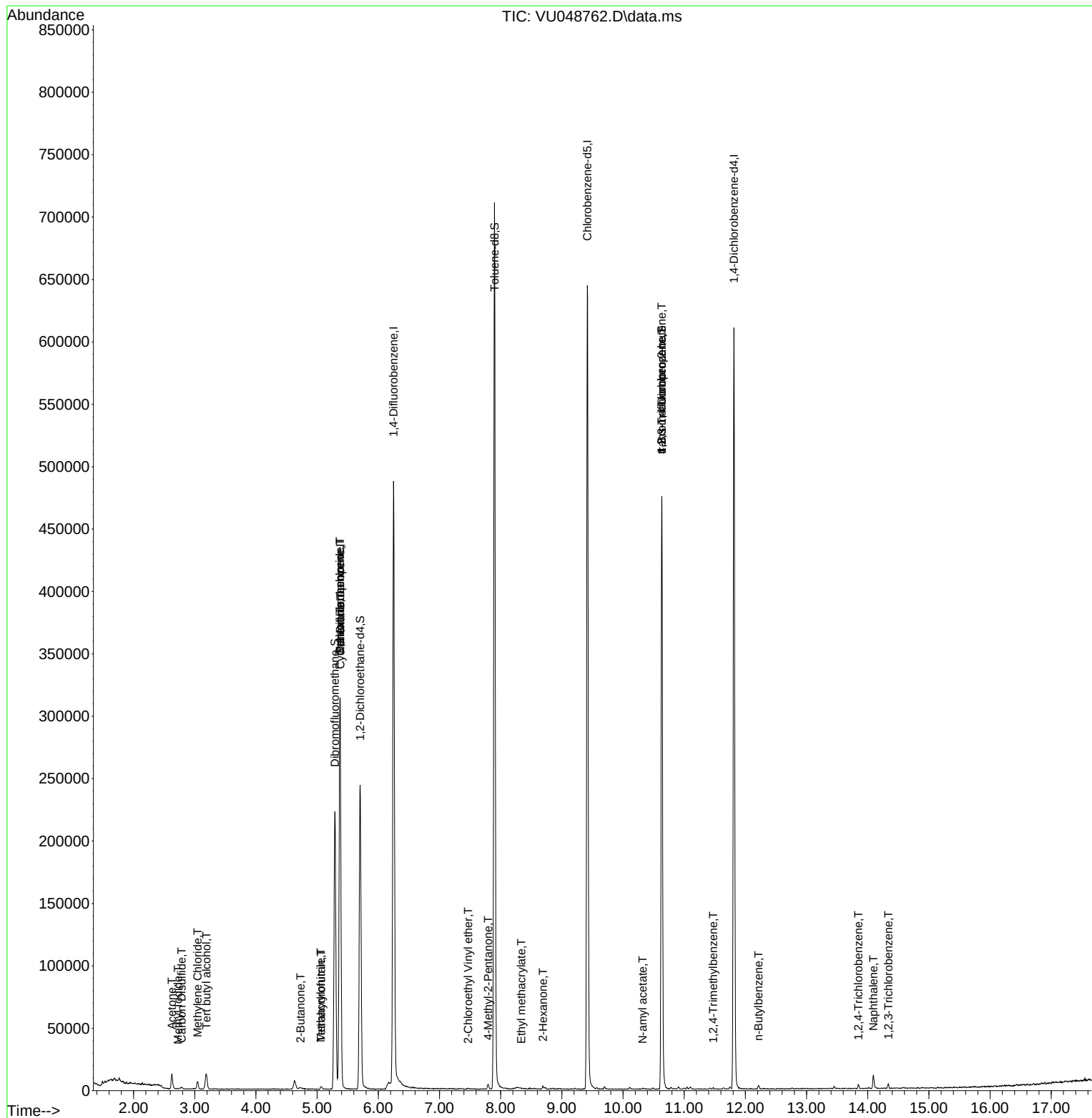
Internal Standards						
1) Pentafluorobenzene	5.375	168	215537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	385580	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	357453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	161005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	190360	58.808	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 117.620%#	
35) Dibromofluoromethane	5.292	113	146117	53.118	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.240%	
50) Toluene-d8	7.899	98	468783	47.541	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.080%	
62) 4-Bromofluorobenzene	10.632	95	161005	43.174	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 86.340%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.739	94	79	Below Cal	#	3
6) Chloroethane	1.938	64	259	Below Cal	#	84
10) Methyl Iodide	2.729	142	41	3.016	ug/l #	37
11) Tert butyl alcohol	3.189	59	7297	8.892	ug/l #	28
16) Acetone	2.626	43	12856	7.793	ug/l	99
17) Carbon Disulfide	2.787	76	1385	0.216	ug/l #	75
20) Methylene Chloride	3.047	84	2888	1.030	ug/l	89
25) 2-Butanone	4.729	43	2313	0.976	ug/l	98
29) Tetrahydrofuran	5.063	42	1144	0.766	ug/l #	79
31) Cyclohexane	5.378	56	4793	1.175	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17901	4.459	ug/l #	49
38) Carbon Tetrachloride	5.372	117	22218	4.824	ug/l #	17
41) Methacrylonitrile	5.060	41	622	0.243	ug/l #	36
51) 4-Methyl-2-Pentanone	7.796	43	2859	0.598	ug/l #	67
56) Ethyl methacrylate	8.337	69	104	2.633	ug/l #	77
58) 2-Chloroethyl Vinyl ether	7.468	63	39	29.788	ug/l #	47
59) 2-Hexanone	8.690	43	2112	0.538	ug/l	87
64) Tetrachloroethene	8.552	164	104	Below Cal	#	37
74) N-amyl acetate	10.320	43	759	2.604	ug/l #	53
76) 1,2,3-Trichloropropane	10.632	75	81451	15.690	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	81451	56.969	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	1029	1.290	ug/l	84
89) n-Butylbenzene	12.214	91	1540	2.343	ug/l #	84
93) 1,2,4-Trichlorobenzene	13.848	180	1114	0.307	ug/l	92
95) Naphthalene	14.092	128	9845	3.270	ug/l	97
96) 1,2,3-Trichlorobenzene	14.340	180	1282	0.357	ug/l	87

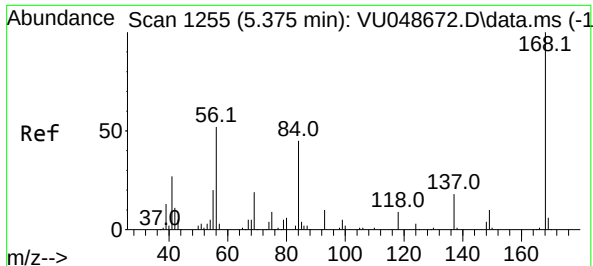
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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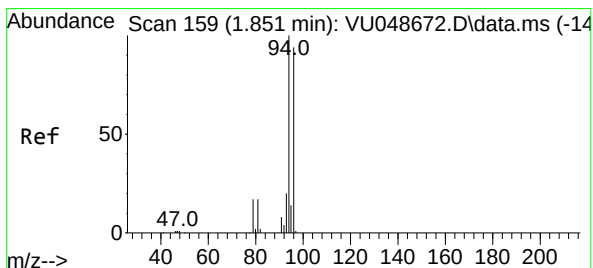
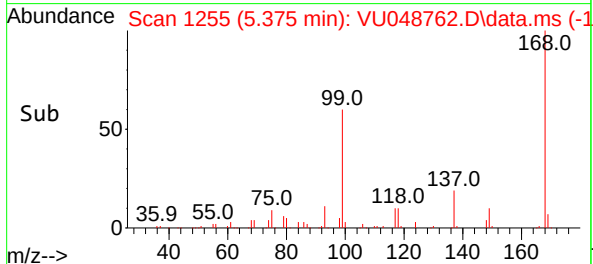
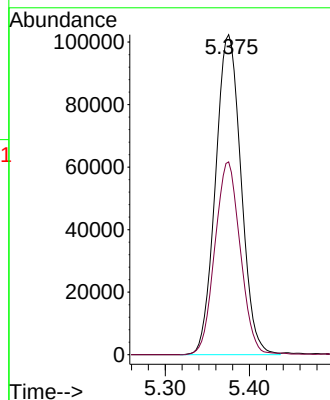
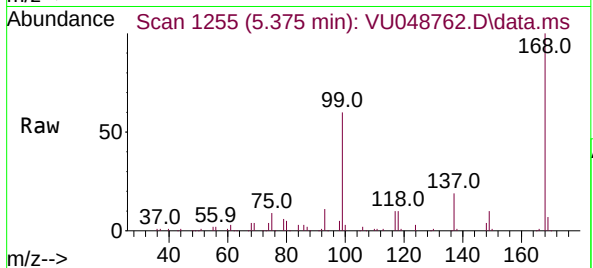




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

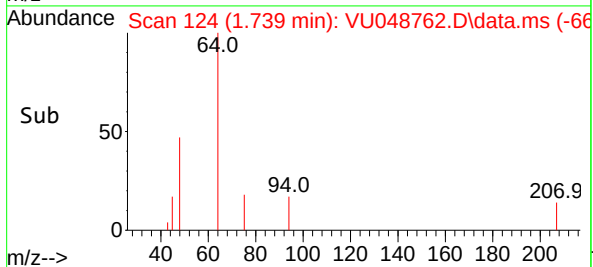
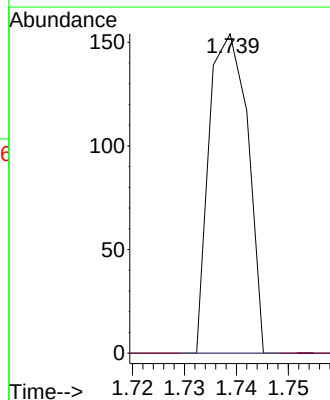
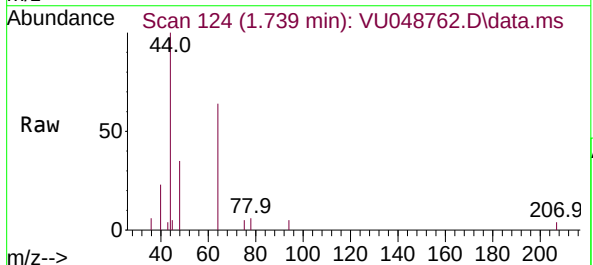
Instrument :
MSVOA_U
ClientSampleId :
PB145171TB

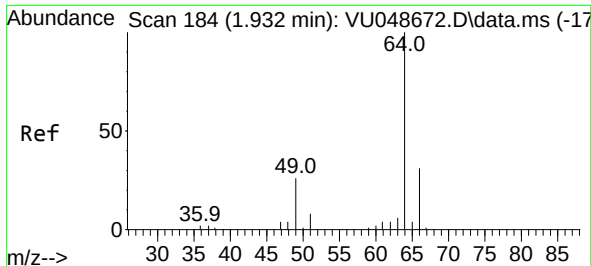
Tgt Ion:168 Resp: 215537
Ion Ratio Lower Upper
168 100
99 60.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.739 min Scan# 124
Delta R.T. -0.112 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

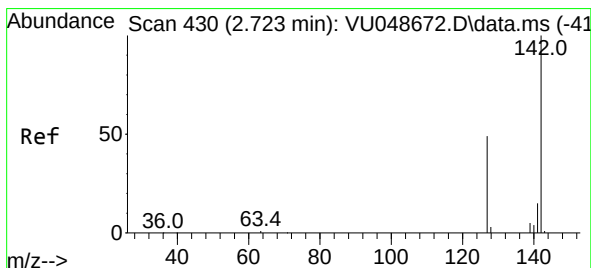
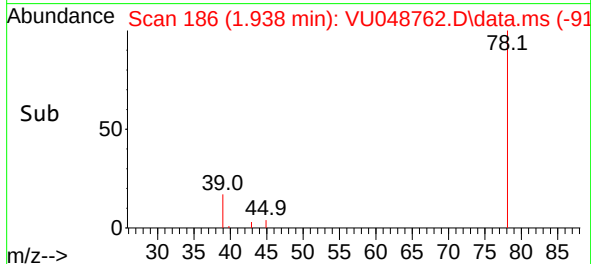
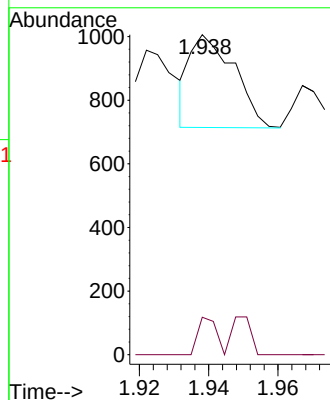
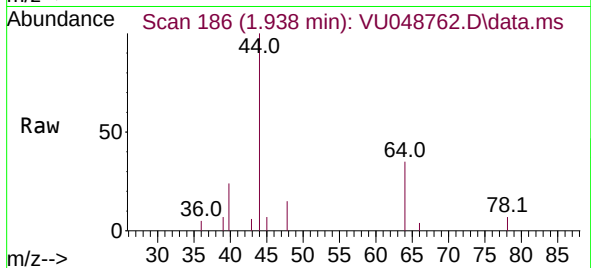




#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

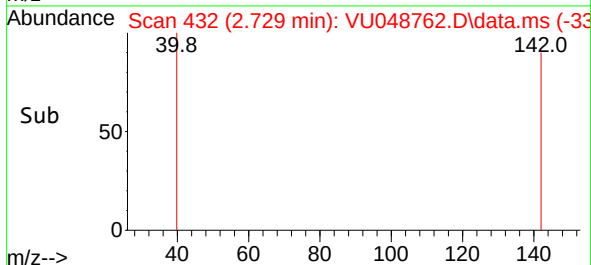
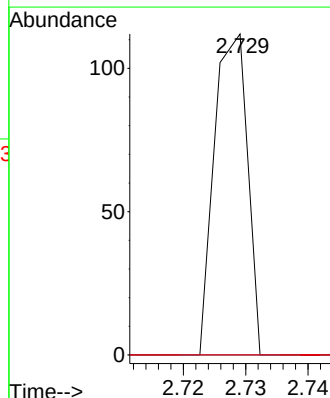
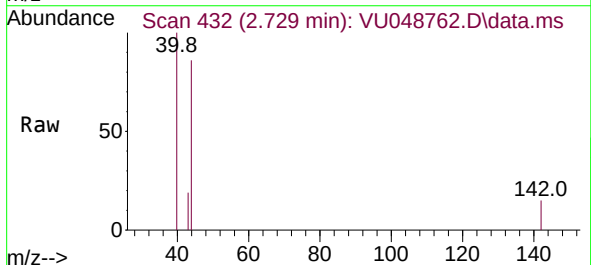
Instrument :
MSVOA_U
ClientSampleId :
PB145171TB

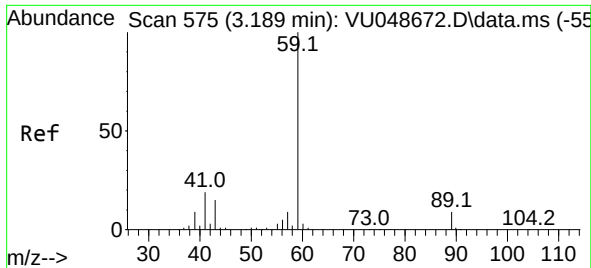
Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 40.5 25.2 37.8#



#10
Methyl Iodide
Concen: 3.016 ug/l
RT: 2.729 min Scan# 432
Delta R.T. 0.006 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Tgt Ion:142 Resp: 41
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: 8.892 ug/l

RT: 3.189 min Scan# 51

Delta R.T. -0.000 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

Instrument :

MSVOA_U

ClientSampleId :

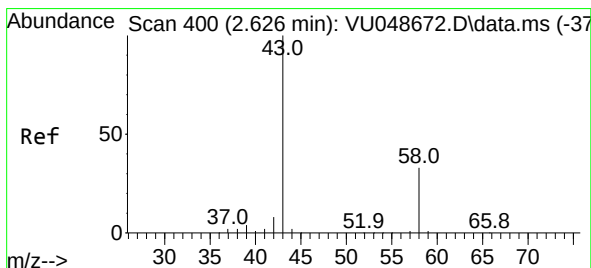
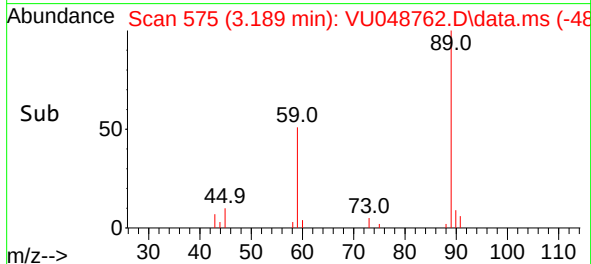
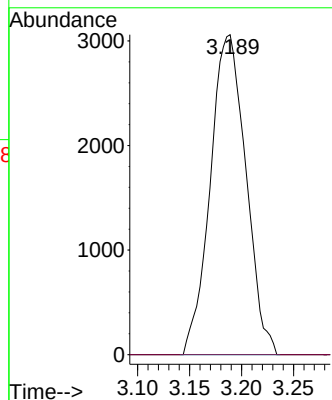
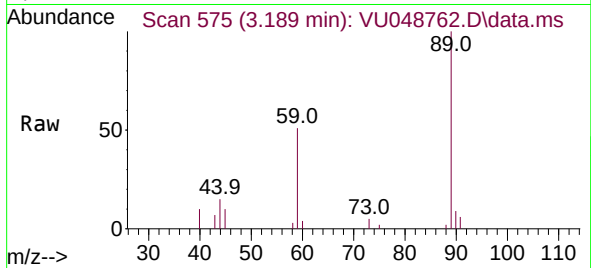
PB145171TB

Tgt Ion: 59 Resp: 7297

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#



#16

Acetone

Concen: 7.793 ug/l

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU048762.D

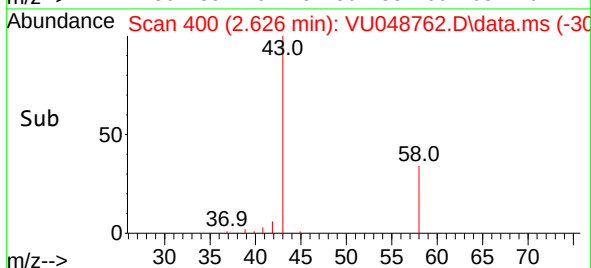
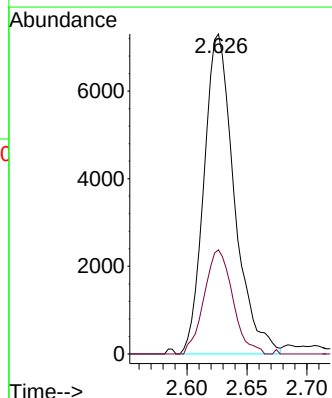
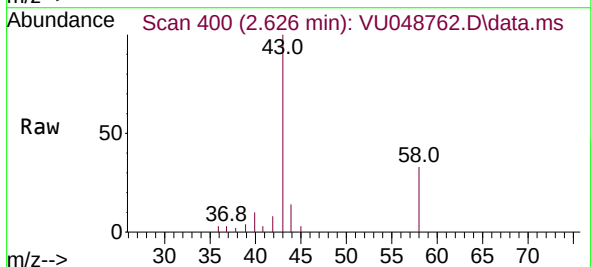
Acq: 01 Jun 2022 01:25

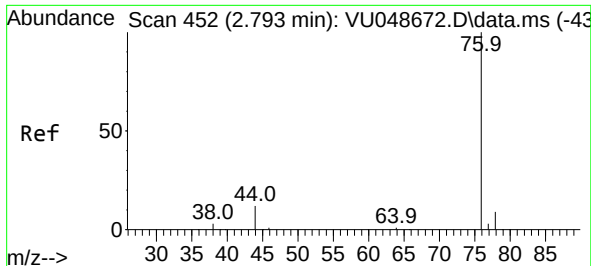
Tgt Ion: 43 Resp: 12856

Ion Ratio Lower Upper

43 100

58 32.6 26.3 39.5





#17

Carbon Disulfide

Concen: 0.216 ug/l

RT: 2.787 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

Instrument :

MSVOA_U

ClientSampleId :

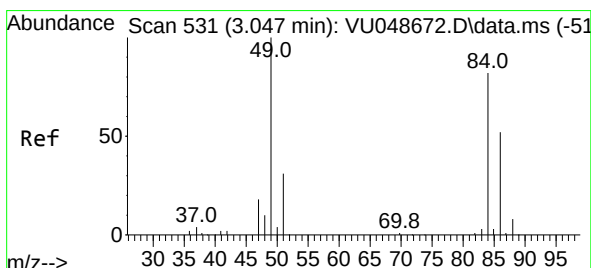
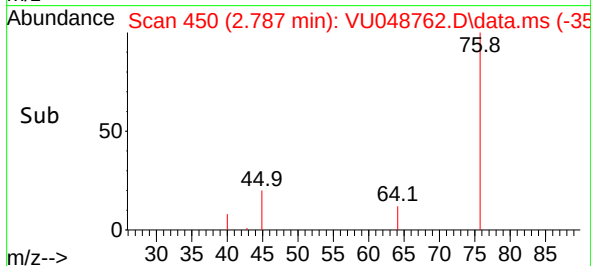
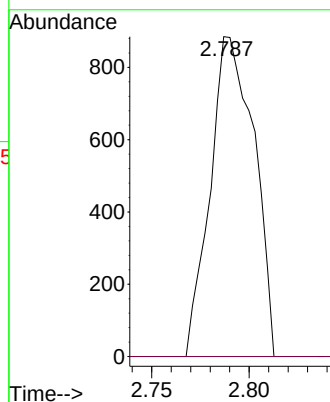
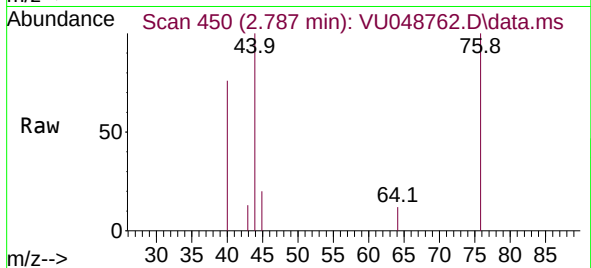
PB145171TB

Tgt Ion: 76 Resp: 1385

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#20

Methylene Chloride

Concen: 1.030 ug/l

RT: 3.047 min Scan# 531

Delta R.T. -0.000 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

Tgt Ion: 84 Resp: 2888

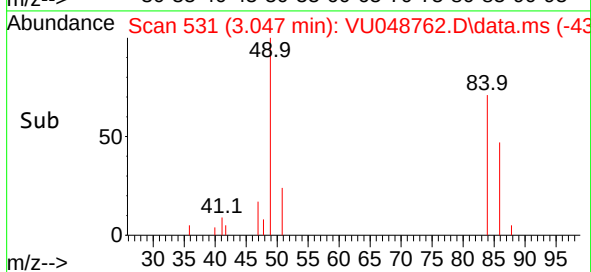
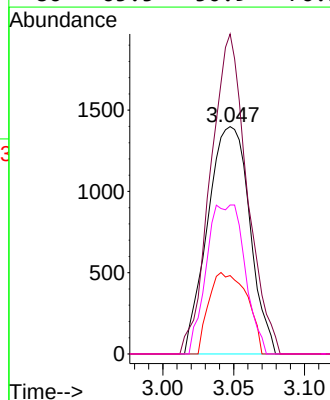
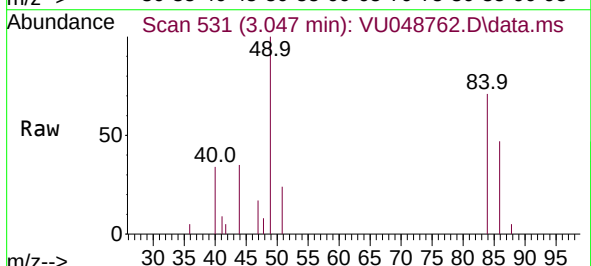
Ion Ratio Lower Upper

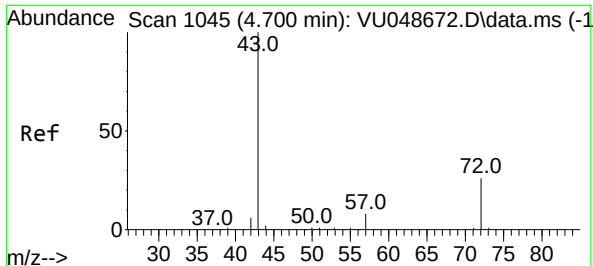
84 100

49 140.7 97.0 145.4

51 34.5 29.8 44.8

86 65.5 50.9 76.3





#25

2-Butanone

Concen: 0.976 ug/l

RT: 4.729 min Scan# 1054

Delta R.T. 0.029 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

Instrument :

MSVOA_U

ClientSampleId :

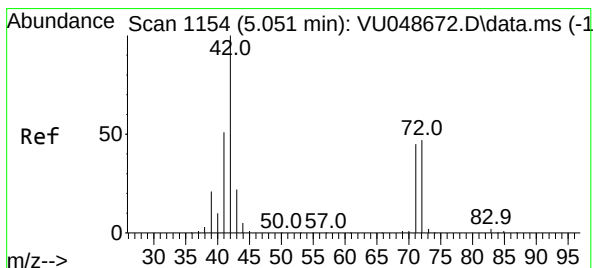
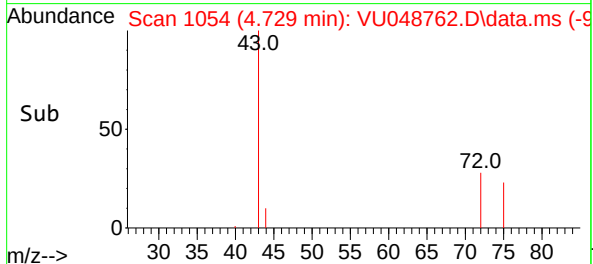
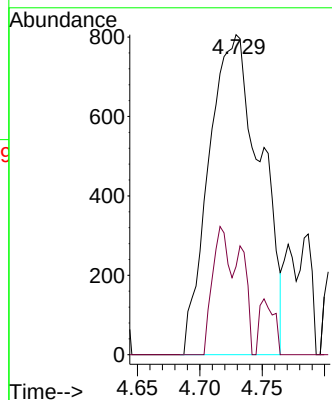
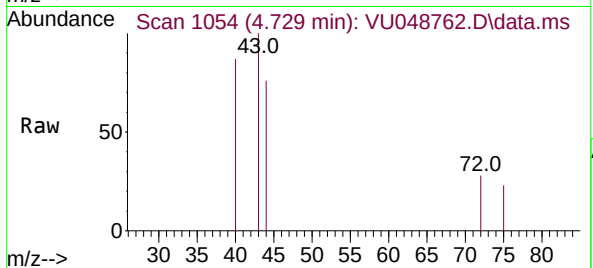
PB145171TB

Tgt Ion: 43 Resp: 2313

Ion Ratio Lower Upper

43 100

72 27.5 21.1 31.7



#29

Tetrahydrofuran

Concen: 0.766 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

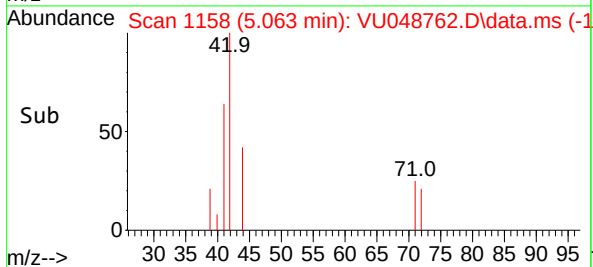
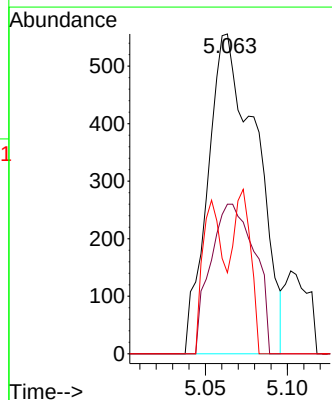
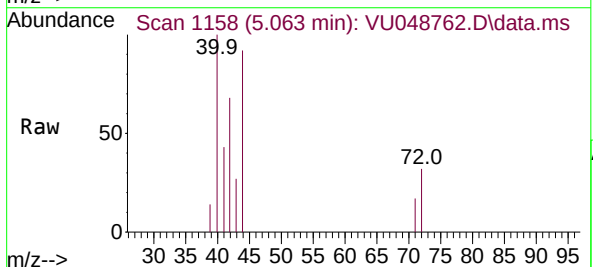
Tgt Ion: 42 Resp: 1144

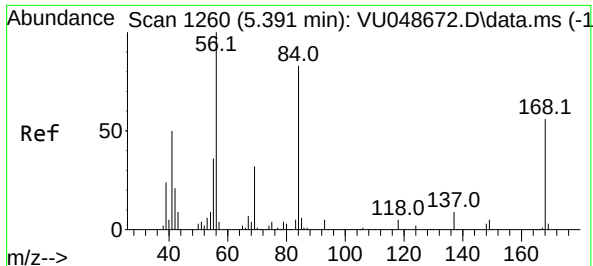
Ion Ratio Lower Upper

42 100

72 42.6 37.6 56.4

71 20.2 35.0 52.4#

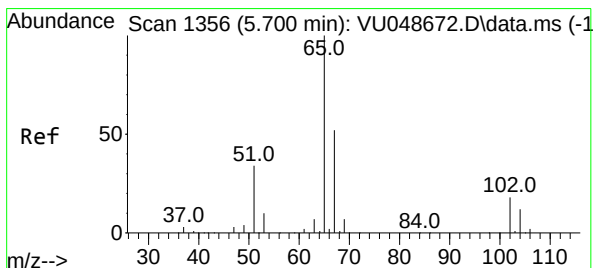
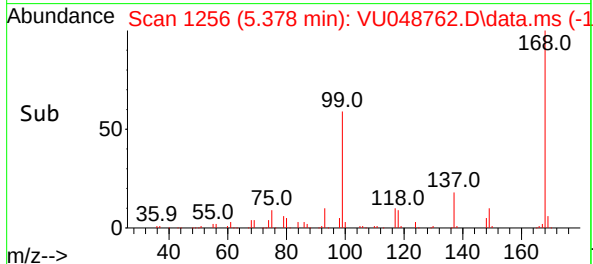
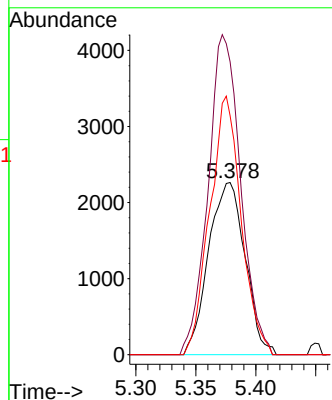
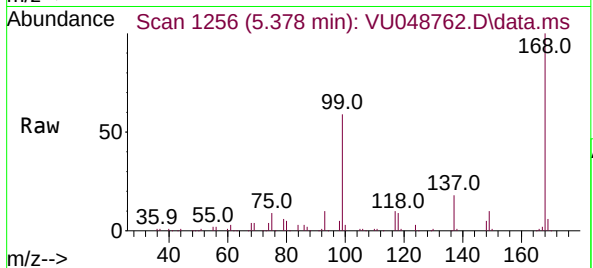




#31
Cyclohexane
Concen: 1.175 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

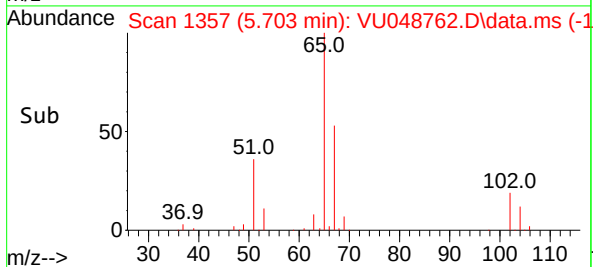
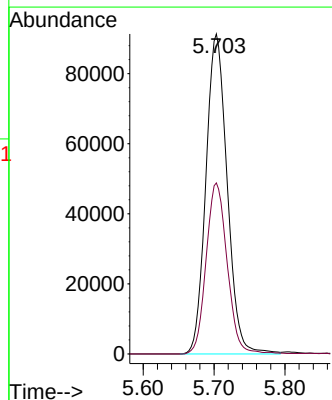
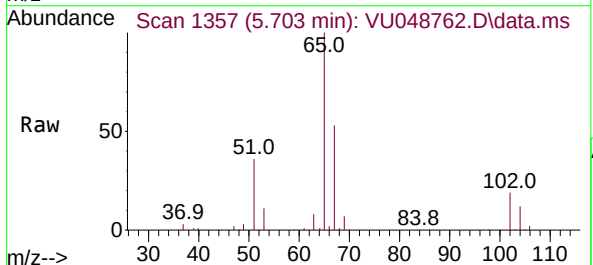
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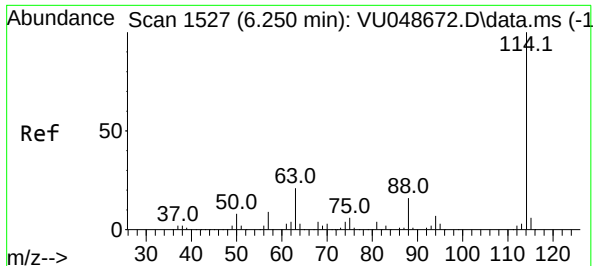
Tgt Ion: 56 Resp: 4793
Ion Ratio Lower Upper
56 100
69 170.1 25.6 38.4#
84 138.8 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 58.808 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Tgt Ion: 65 Resp: 190360
Ion Ratio Lower Upper
65 100
67 52.6 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: VU048762.D

Acq: 01 Jun 2022 01:25

Instrument :

MSVOA_U

ClientSampleId :

PB145171TB

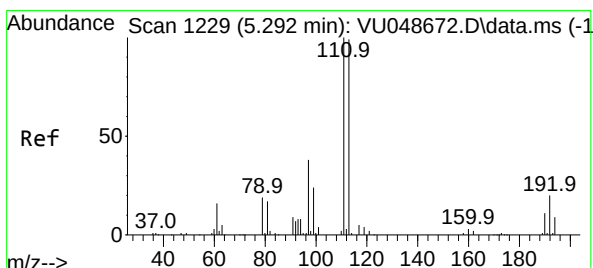
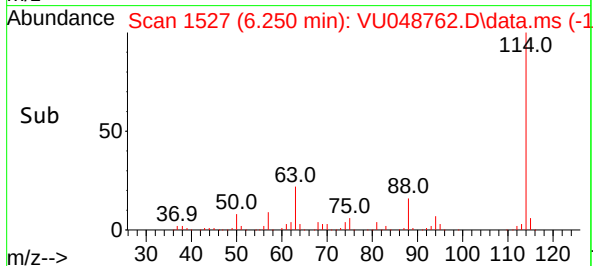
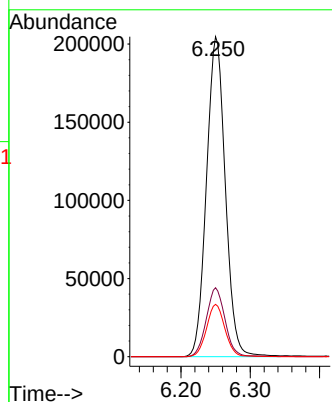
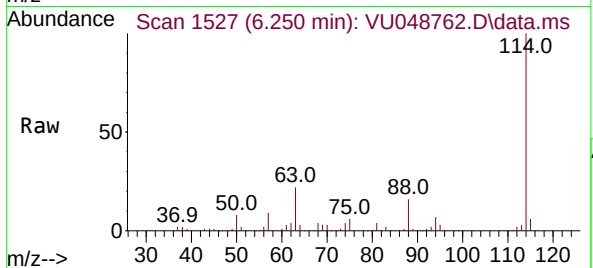
Tgt Ion:114 Resp: 385580

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 16.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.118 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

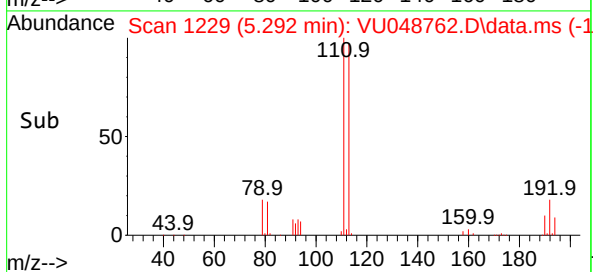
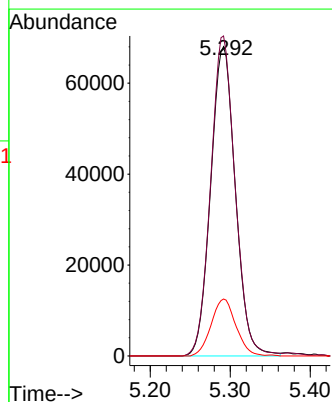
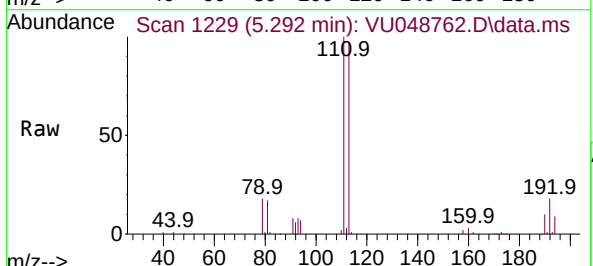
Tgt Ion:113 Resp: 146117

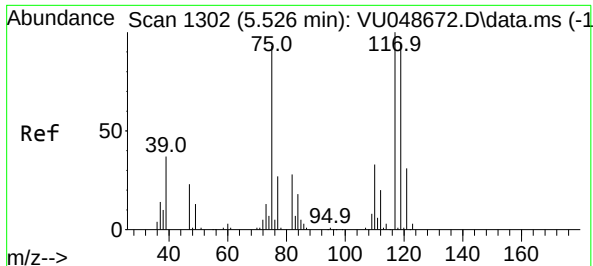
Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

192 18.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.459 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

Instrument :

MSVOA_U

ClientSampleId :

PB145171TB

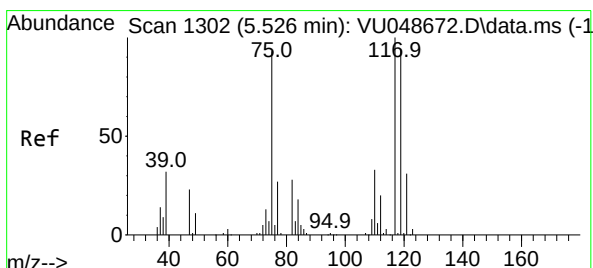
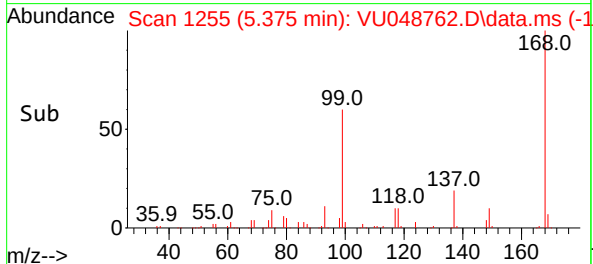
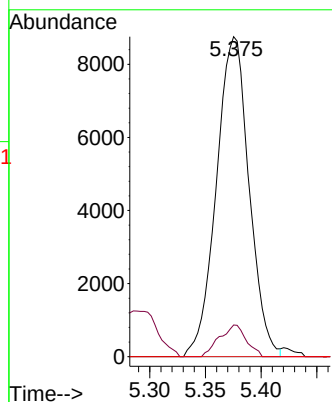
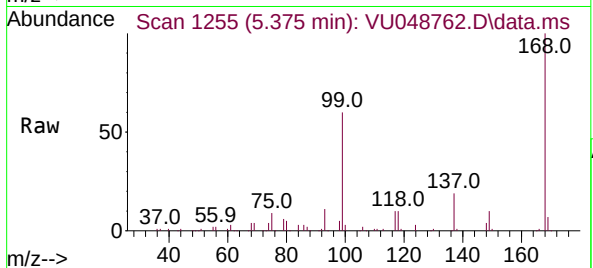
Tgt Ion: 75 Resp: 17901

Ion Ratio Lower Upper

75 100

110 8.1 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.824 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

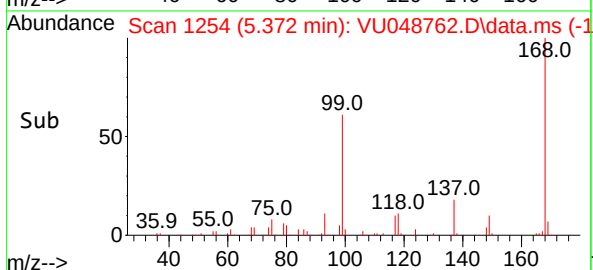
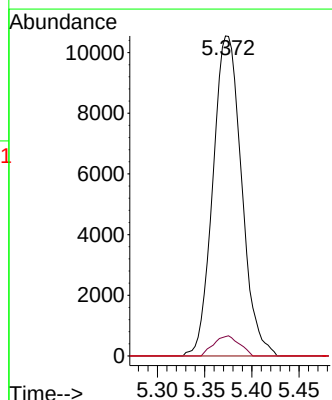
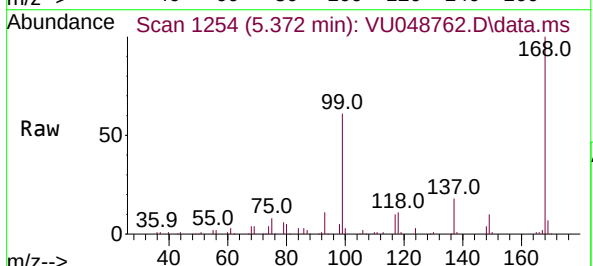
Tgt Ion: 117 Resp: 22218

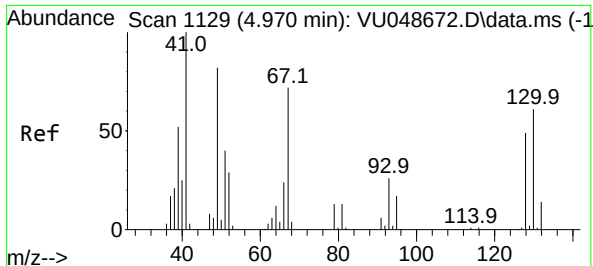
Ion Ratio Lower Upper

117 100

119 6.1 75.4 113.2#

121 0.0 24.6 36.8#

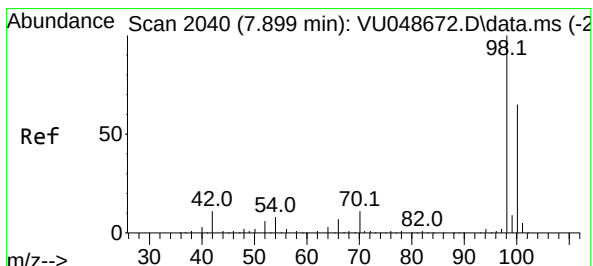
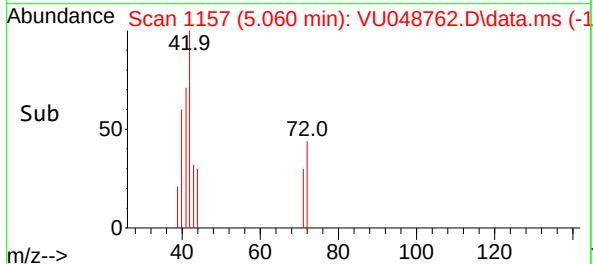
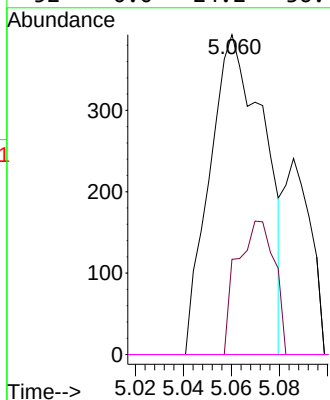
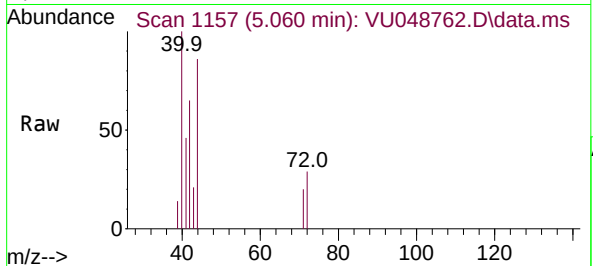




#41
Methacrylonitrile
Concen: 0.243 ug/l
RT: 5.060 min Scan# 1129
Delta R.T. 0.090 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

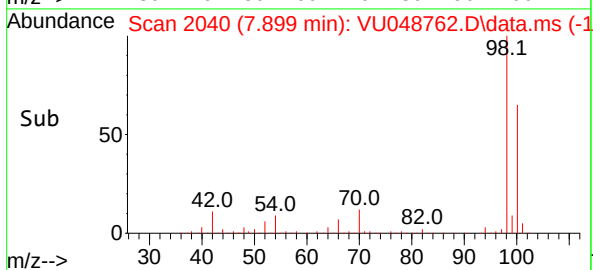
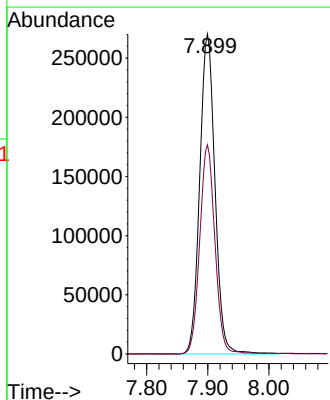
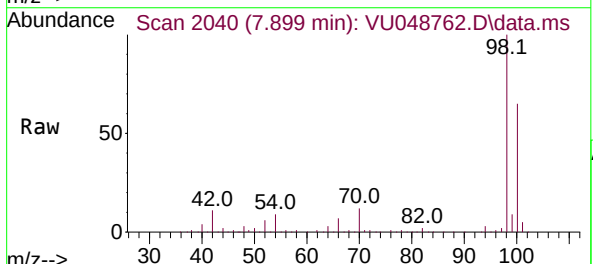
Instrument :
MSVOA_U
ClientSampleId :
PB145171TB

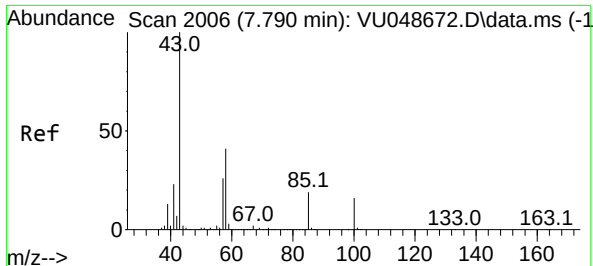
Tgt Ion: 41	Resp: 622
Ion Ratio	Lower Upper
41	100
39	28.6 42.6 64.0#
67	0.0 61.0 91.4#
52	0.0 24.2 36.4#



#50
Toluene-d8
Concen: 47.541 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Tgt Ion: 98	Resp: 468783
Ion Ratio	Lower Upper
98	100
100	64.8 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.598 ug/l

RT: 7.796 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

Instrument :

MSVOA_U

ClientSampleId :

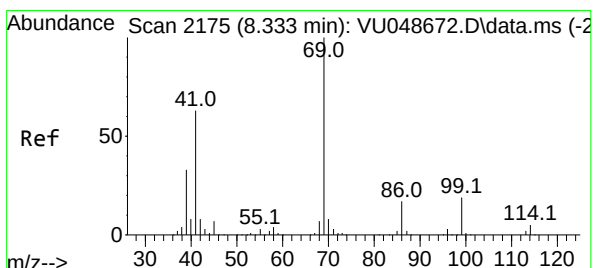
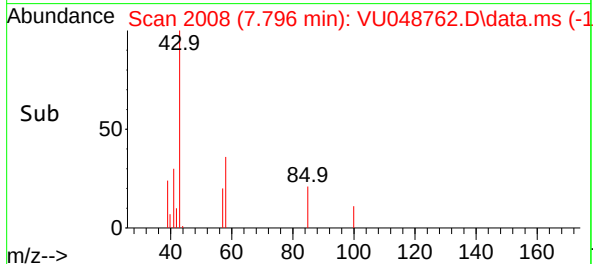
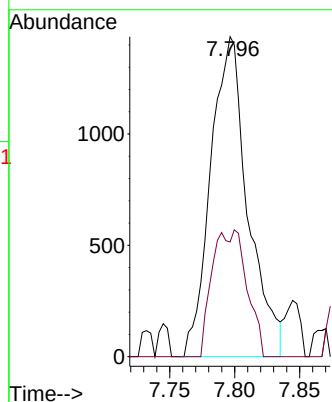
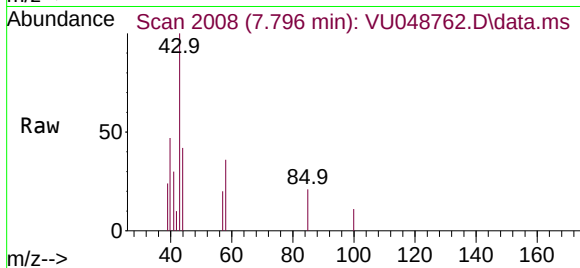
PB145171TB

Tgt Ion: 43 Resp: 2859

Ion Ratio Lower Upper

43 100

58 20.5 32.7 49.1#



#56

Ethyl methacrylate

Concen: 2.633 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. 0.004 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

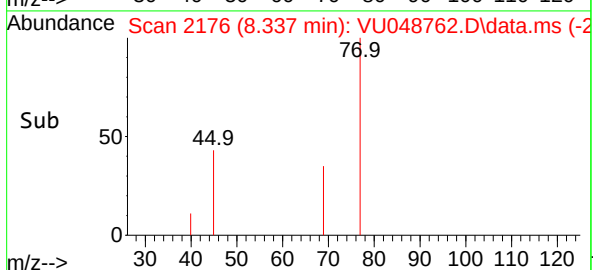
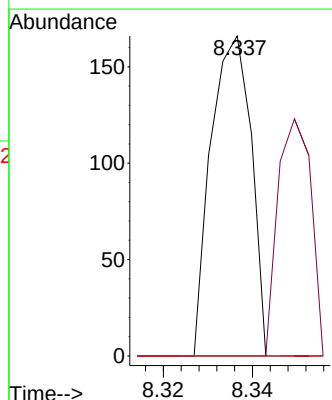
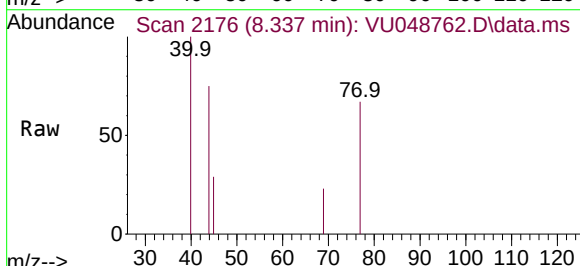
Tgt Ion: 69 Resp: 104

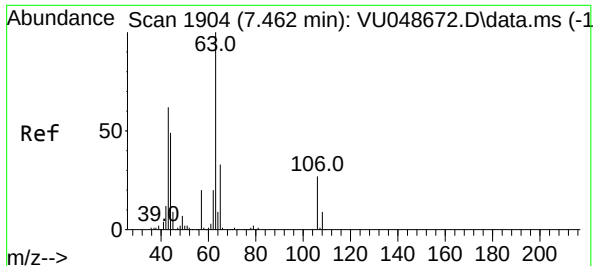
Ion Ratio Lower Upper

69 100

41 60.6 50.6 76.0

39 0.0 26.6 40.0#





#58

2-Chloroethyl Vinyl ether

Concen: 29.788 ug/l

RT: 7.468 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

Instrument :

MSVOA_U

ClientSampleId :

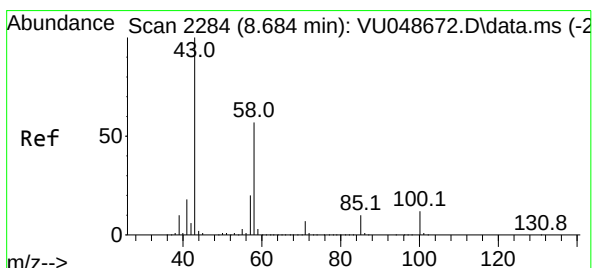
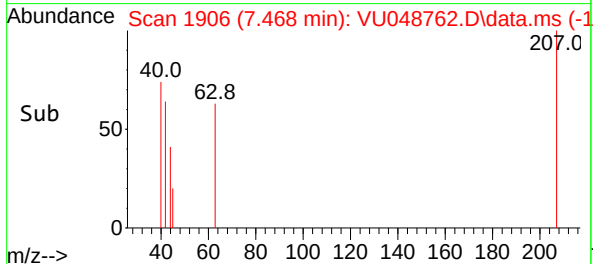
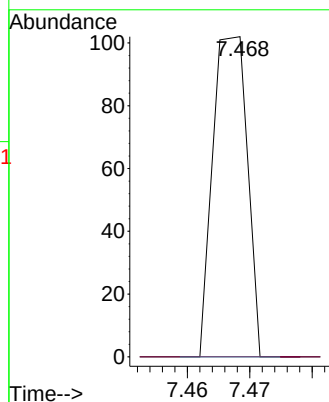
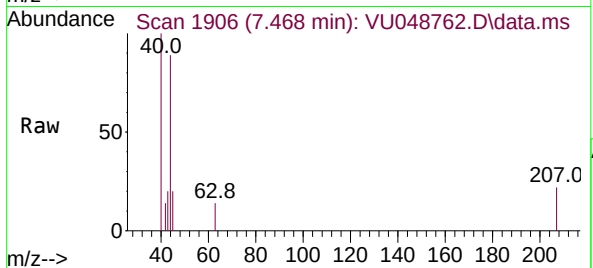
PB145171TB

Tgt Ion: 63 Resp: 39

Ion Ratio Lower Upper

63 100

106 0.0 22.2 33.2#



#59

2-Hexanone

Concen: 0.538 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. 0.006 min

Lab File: VU048762.D

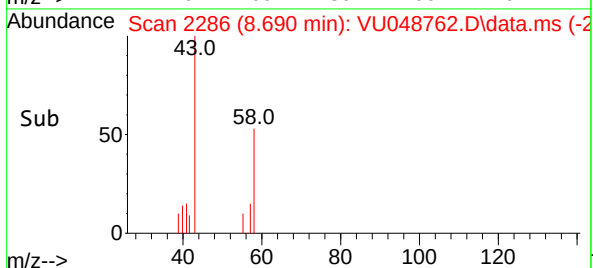
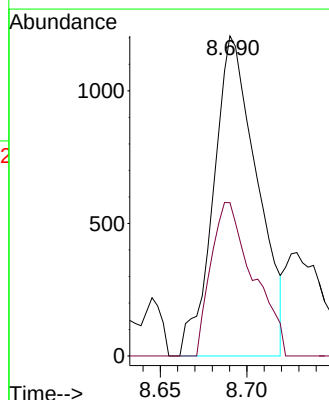
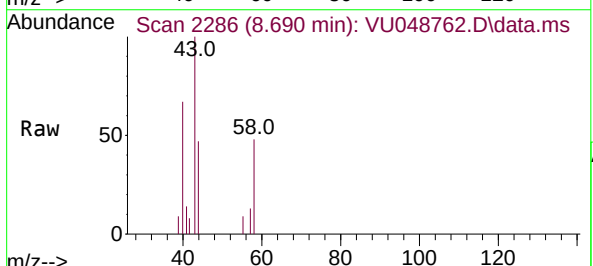
Acq: 01 Jun 2022 01:25

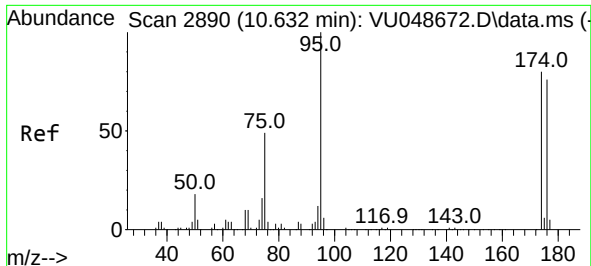
Tgt Ion: 43 Resp: 2112

Ion Ratio Lower Upper

43 100

58 46.5 28.2 84.6

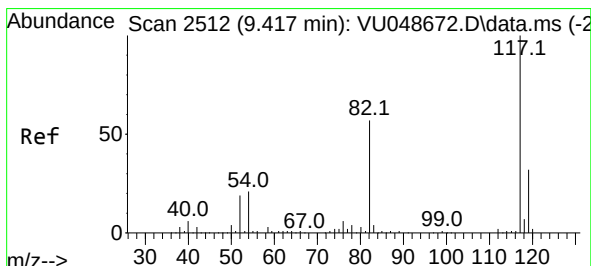
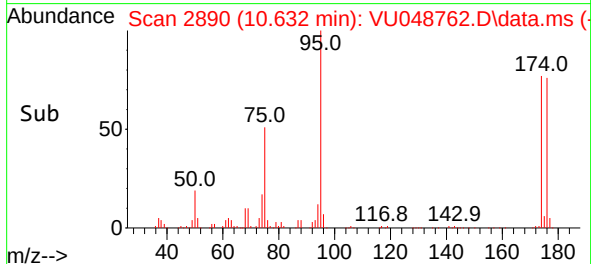
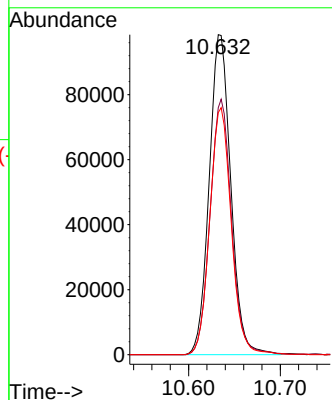
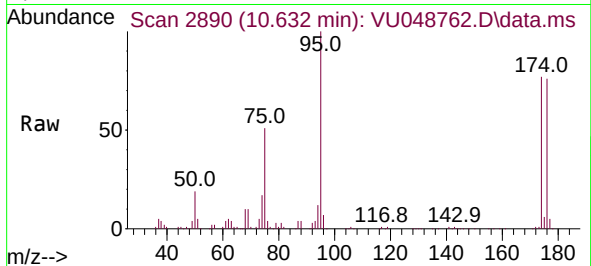




#62
4-Bromofluorobenzene
Concen: 43.174 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

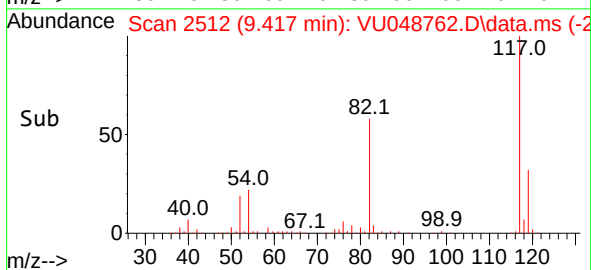
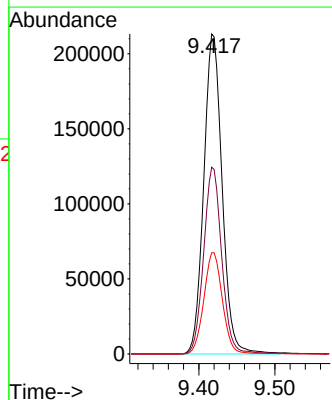
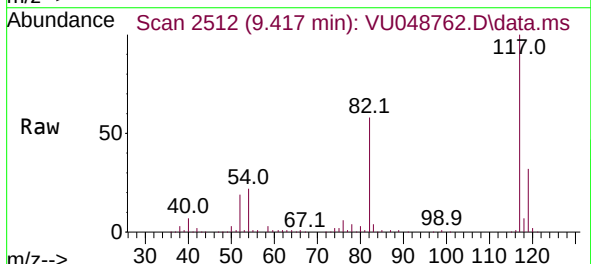
Instrument :
MSVOA_U
ClientSampleId :
PB145171TB

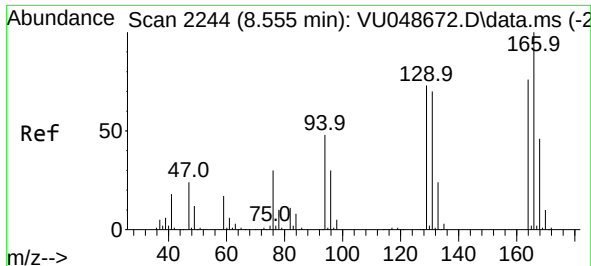
Tgt Ion: 95 Resp: 161005
Ion Ratio Lower Upper
95 100
174 79.5 0.0 159.4
176 76.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Tgt Ion: 117 Resp: 357453
Ion Ratio Lower Upper
117 100
82 58.4 45.3 67.9
119 31.7 25.4 38.2

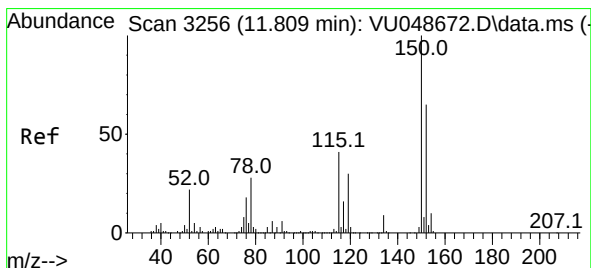
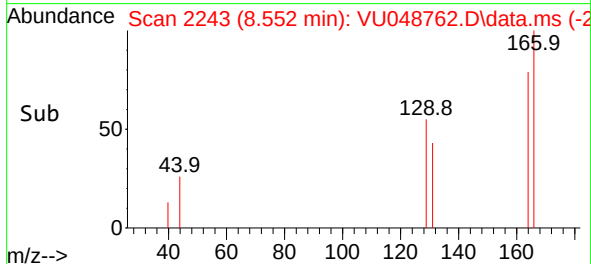
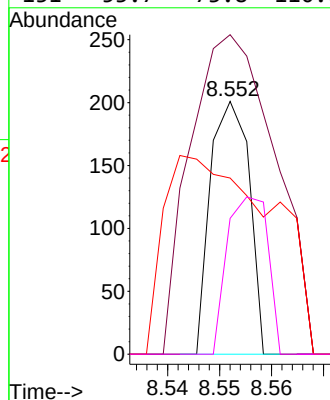
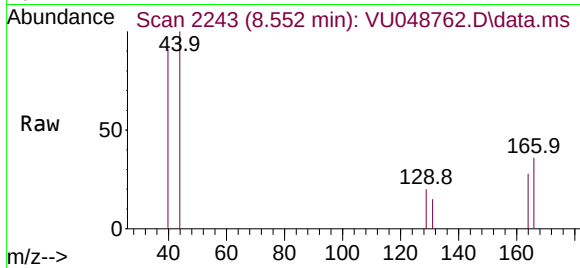




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

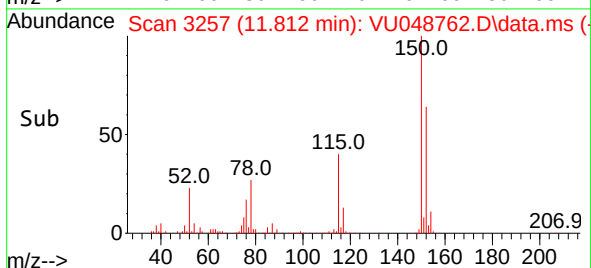
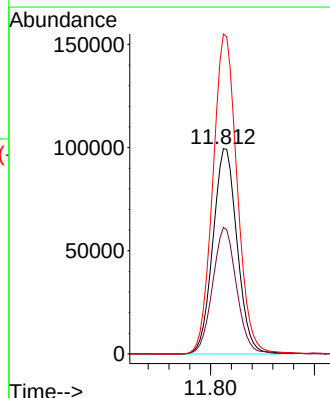
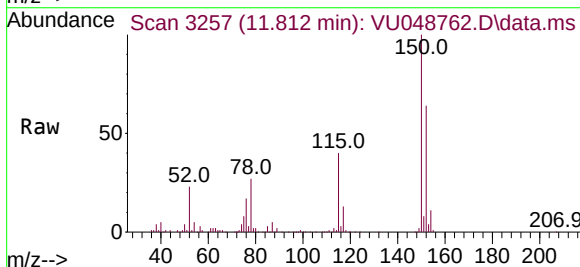
Instrument :
MSVOA_U
ClientSampleId :
PB145171TB

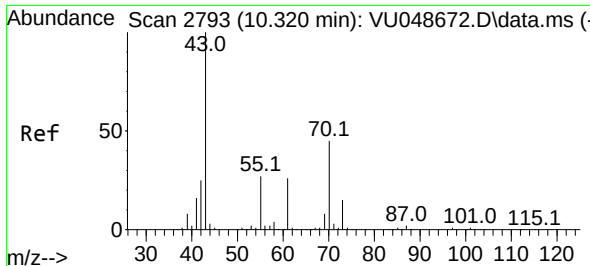
Tgt Ion:164 Resp: 104
Ion Ratio Lower Upper
164 100
166 60.7 105.0 157.4#
129 9.5 76.5 114.7#
131 53.7 73.8 110.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Tgt Ion:152 Resp: 161005
Ion Ratio Lower Upper
152 100
115 60.9 41.8 125.4
150 156.5 0.0 341.0

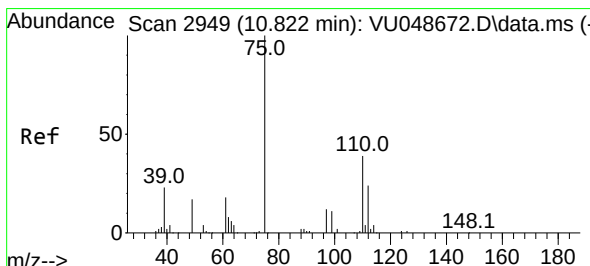
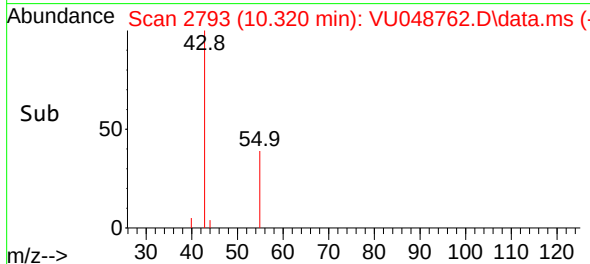
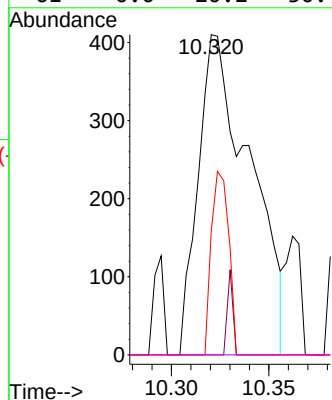
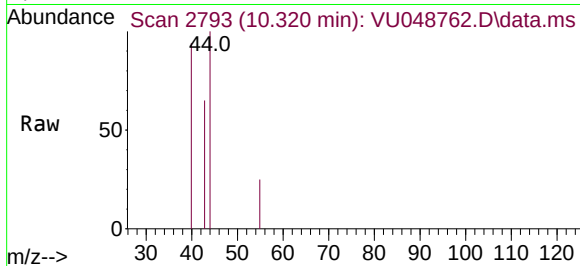




#74
N-amy1 acetate
Concen: 2.604 ug/l
RT: 10.320 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

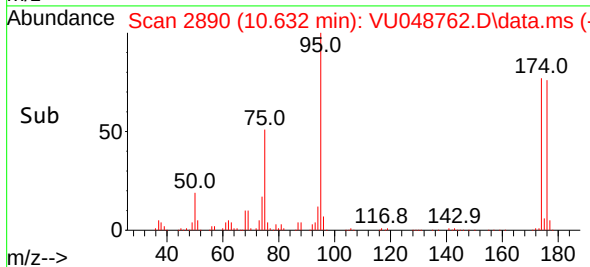
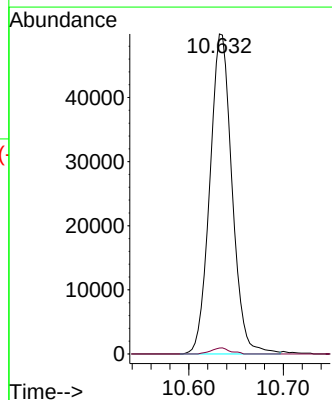
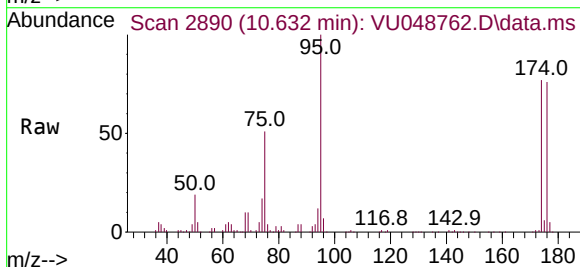
Instrument :
MSVOA_U
ClientSampleId :
PB145171TB

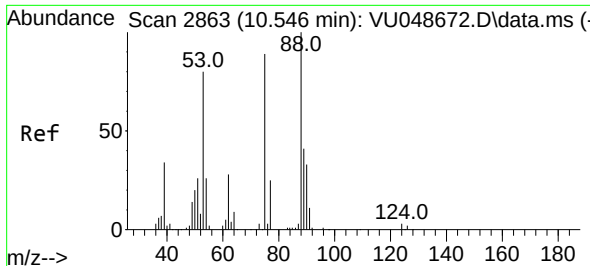
Tgt Ion: 43	Resp: 759
Ion Ratio	Lower Upper
43 100	
70 2.8	35.8 53.6#
55 19.1	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.690 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Tgt Ion: 75	Resp: 81451
Ion Ratio	Lower Upper
75 100	
77 1.6	14.8 44.3#

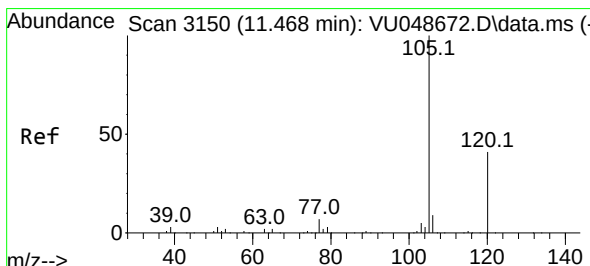
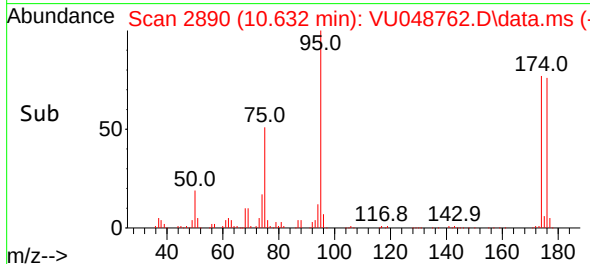
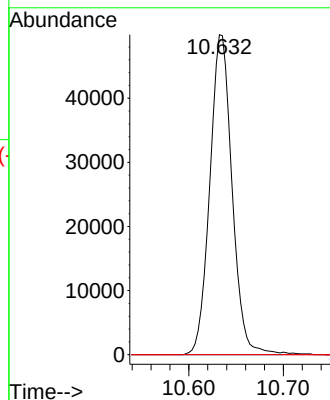
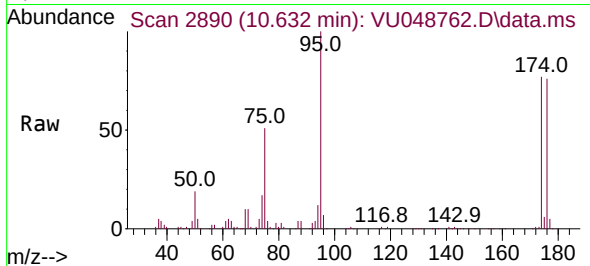




#81
trans-1,4-Dichloro-2-butene
Concen: 56.969 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

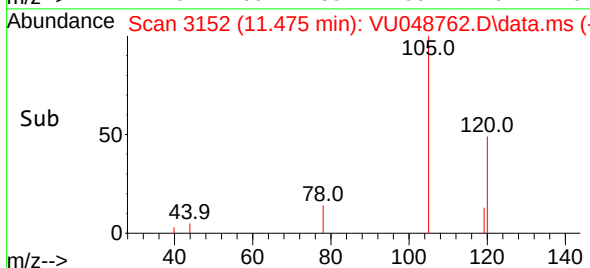
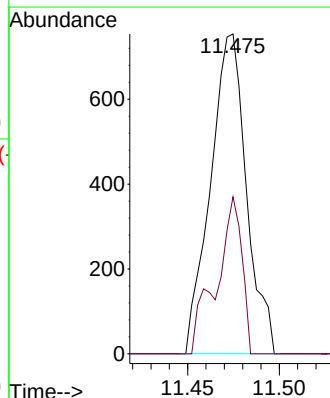
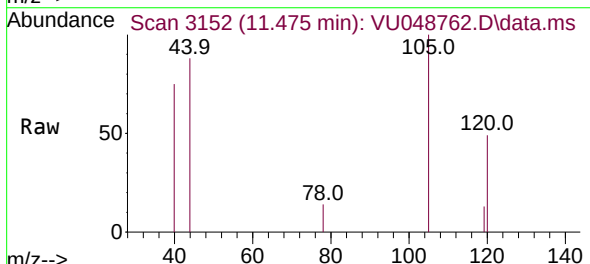
Instrument :
MSVOA_U
ClientSampleId :
PB145171TB

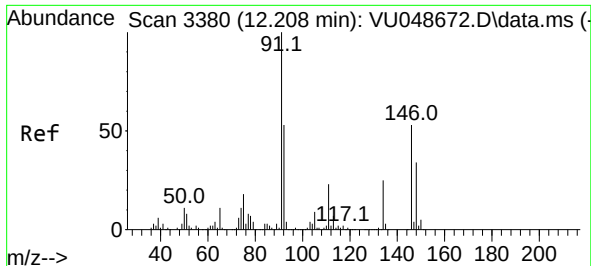
Tgt Ion: 75 Resp: 81451
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.290 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Tgt Ion: 105 Resp: 1029
Ion Ratio Lower Upper
105 100
120 34.8 22.5 67.5





#89

n-Butylbenzene

Concen: 2.343 ug/l

RT: 12.214 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

Instrument :

MSVOA_U

ClientSampleId :

PB145171TB

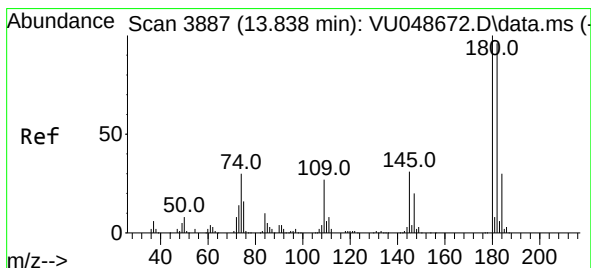
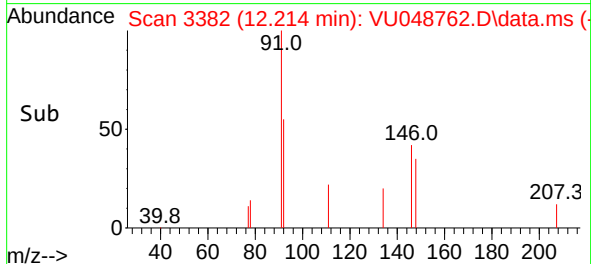
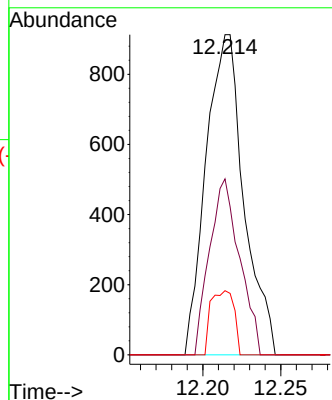
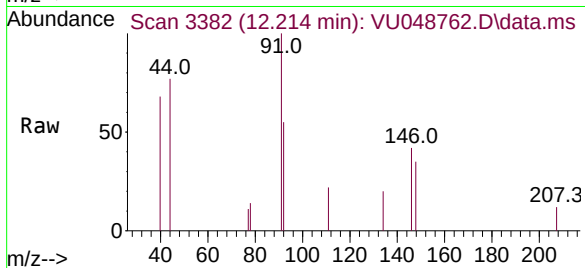
Tgt Ion: 91 Resp: 1540

Ion Ratio Lower Upper

91 100

92 43.7 25.9 77.8

134 12.2 12.5 37.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.307 ug/l

RT: 13.848 min Scan# 3890

Delta R.T. 0.010 min

Lab File: VU048762.D

Acq: 01 Jun 2022 01:25

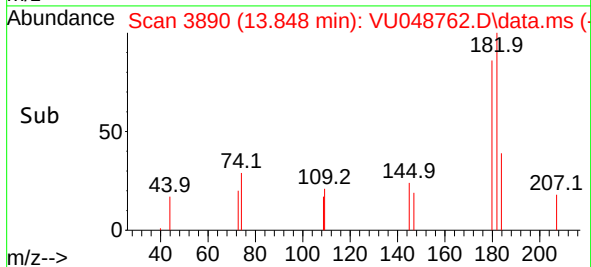
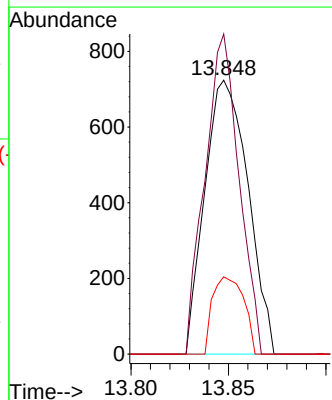
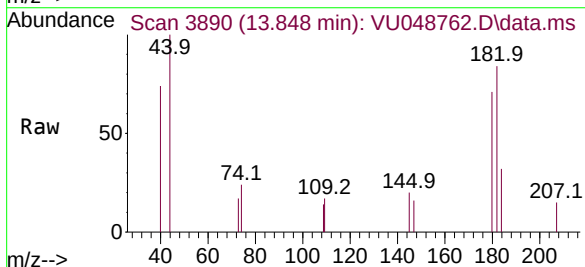
Tgt Ion:180 Resp: 1114

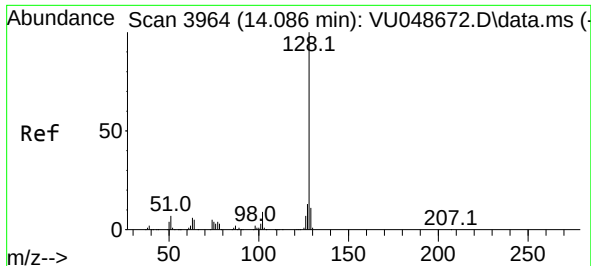
Ion Ratio Lower Upper

180 100

182 92.2 48.3 144.9

145 20.3 15.6 46.7

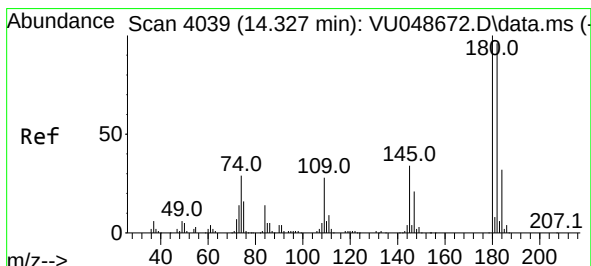
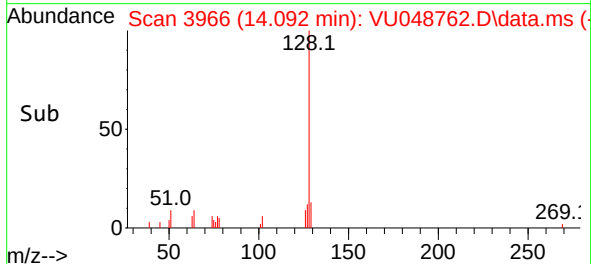
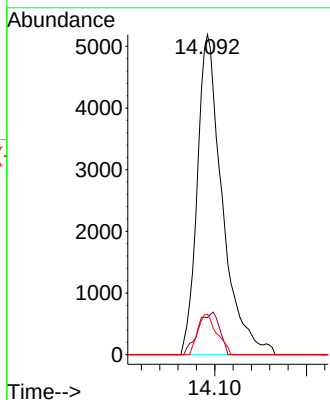
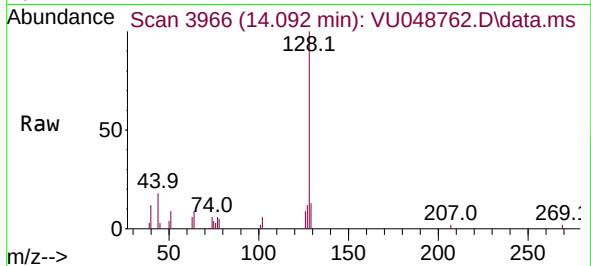




#95
Naphthalene
Concen: 3.270 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Instrument :
MSVOA_U
ClientSampleId :
PB145171TB

Tgt Ion:	128	Resp:	9845
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.2	15.4
129	9.6	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.357 ug/l
RT: 14.340 min Scan# 4043
Delta R.T. 0.013 min
Lab File: VU048762.D
Acq: 01 Jun 2022 01:25

Tgt Ion:	180	Resp:	1282
Ion Ratio	Lower	Upper	
180	100		
182	110.5	47.4	142.2
145	35.0	16.6	49.8

