

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
 Data File : VU049563.D
 Acq On : 30 Jun 2022 15:09
 Operator : SY/MD
 Sample : N3458-11DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D1-20220622DL

Quant Time: Jul 01 05:25:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

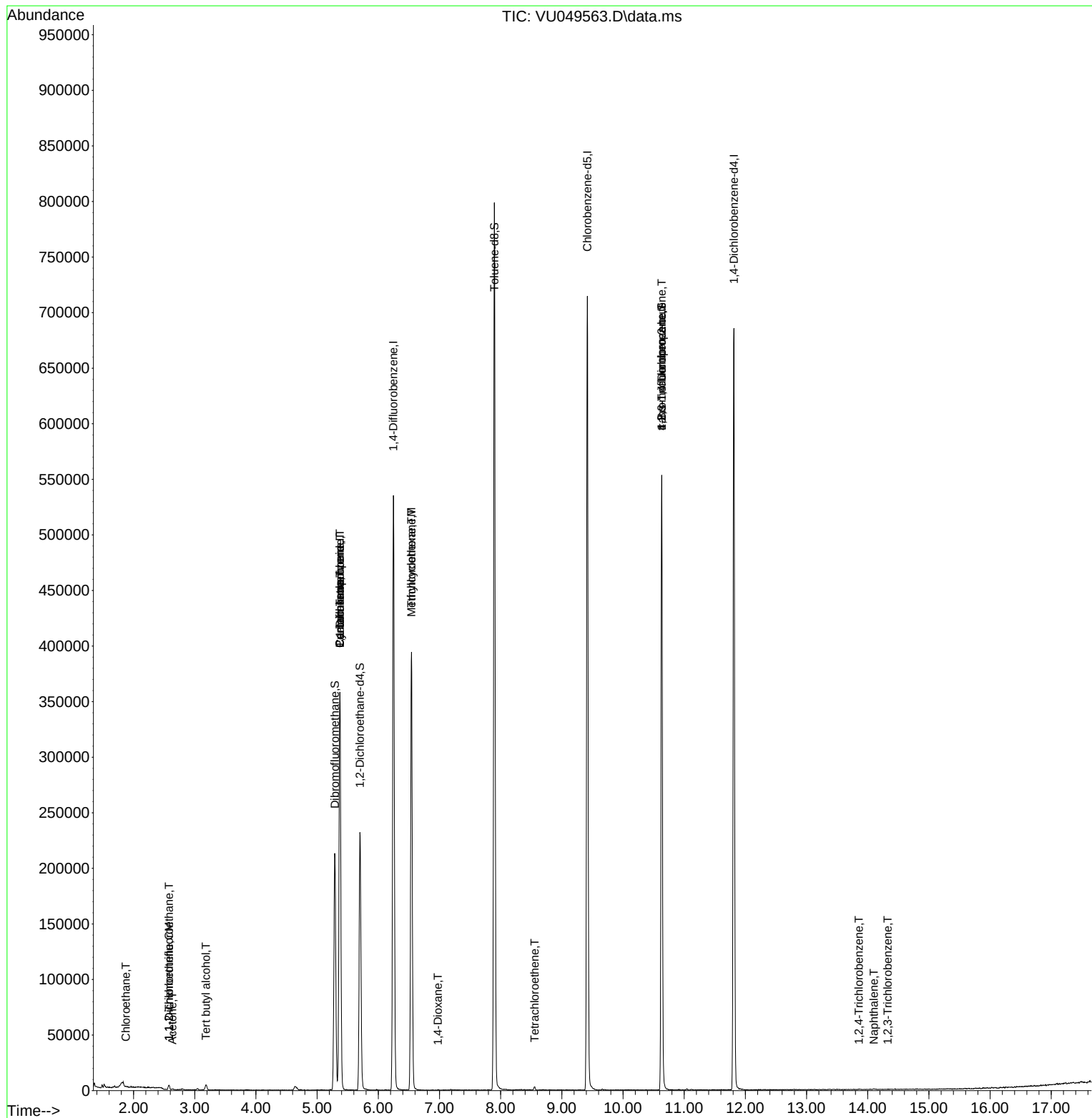
Internal Standards						
1) Pentafluorobenzene	5.372	168	246290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	434421	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	390588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	179524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	170948	45.069	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.140%		
35) Dibromofluoromethane	5.289	113	138618	45.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.220%		
50) Toluene-d8	7.896	98	522814	48.228	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.460%		
62) 4-Bromofluorobenzene	10.632	95	186304	44.864	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.720%		
Target Compounds						
3) Chloromethane	1.520	50	2116	Below Cal	Qvalue 100	
6) Chloroethane	1.874	64	21	1.926 ug/l #	44	
9) 1,1,2-Trichlorotrifluo...	2.578	101	905	0.331 ug/l #	65	
11) Tert butyl alcohol	3.182	59	3249	3.660 ug/l #	37	
12) 1,1-Dichloroethene	2.578	96	819	0.306 ug/l #	80	
16) Acetone	2.633	43	1132	0.592 ug/l #	40	
20) Methylene Chloride	3.047	84	605	Below Cal	90	
31) Cyclohexane	5.372	56	5346	0.939 ug/l #	1	
36) 1,1-Dichloropropene	5.372	75	20535	4.660 ug/l #	48	
38) Carbon Tetrachloride	5.372	117	24831	5.373 ug/l #	16	
39) Methylcyclohexane	6.539	83	1609	0.305 ug/l #	1	
44) Trichloroethene	6.542	130	130994	41.415 ug/l	87	
49) 1,4-Dioxane	6.977	88	76	0.717 ug/l #	58	
64) Tetrachloroethene	8.555	164	751	0.300 ug/l #	80	
76) 1,2,3-Trichloropropane	10.632	75	96233	15.813 ug/l #	45	
81) trans-1,4-Dichloro-2-b...	10.632	75	96233	58.395 ug/l #	15	
93) 1,2,4-Trichlorobenzene	13.854	180	94	1.776 ug/l #	51	
95) Naphthalene	14.102	128	1173	1.817 ug/l #	69	
96) 1,2,3-Trichlorobenzene	14.327	180	74	1.195 ug/l #	77	

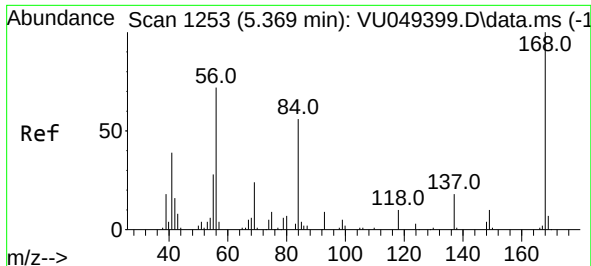
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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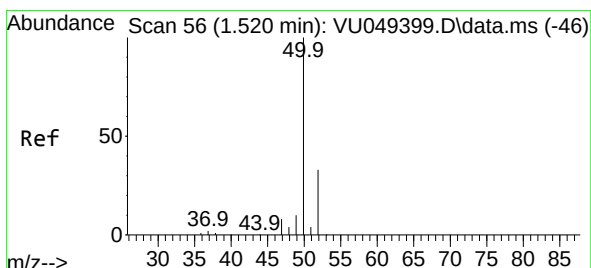
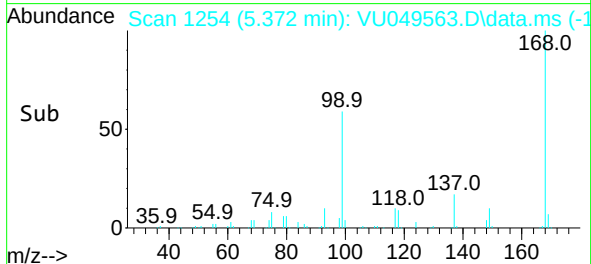
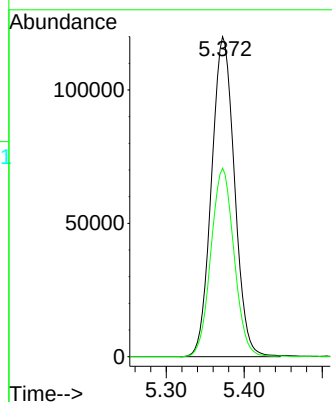
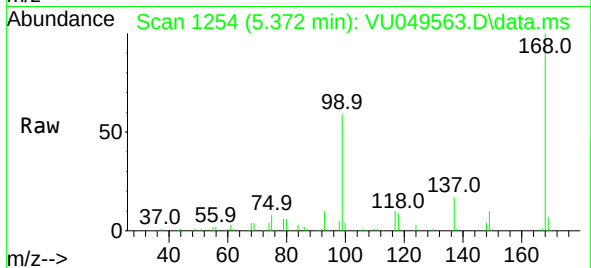




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

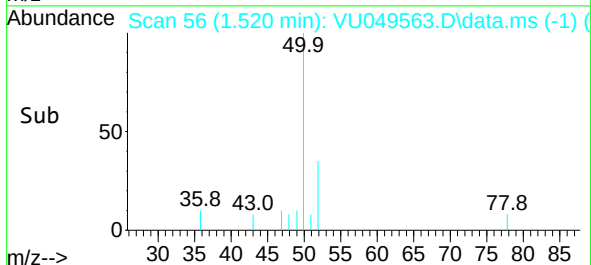
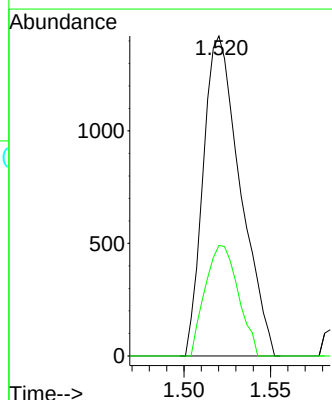
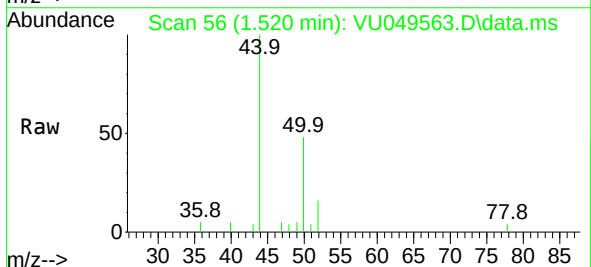
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622DL

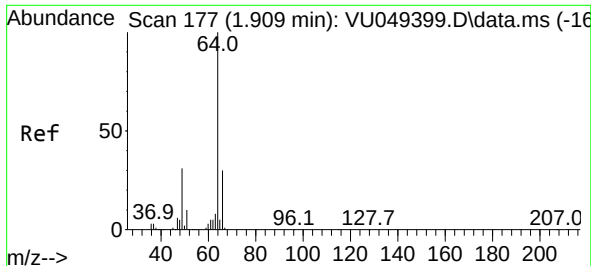
Tgt Ion:168 Resp: 246290
Ion Ratio Lower Upper
168 100
99 58.9 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

Tgt Ion: 50 Resp: 2116
Ion Ratio Lower Upper
50 100
52 34.5 27.4 41.2

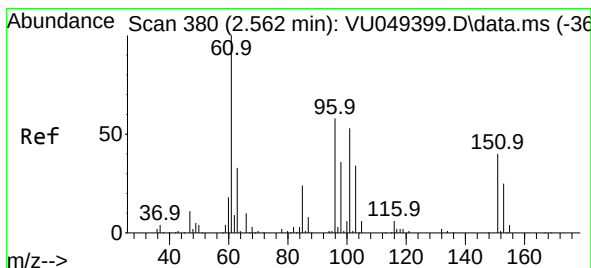
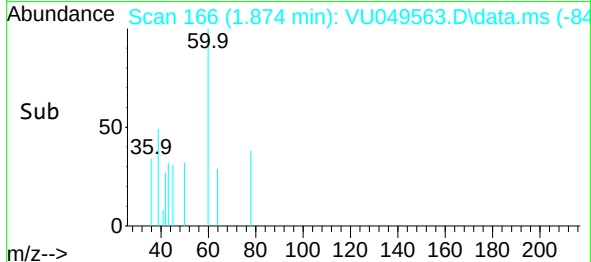
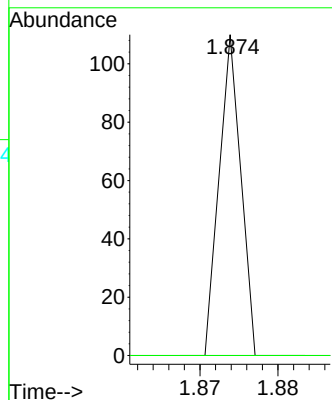
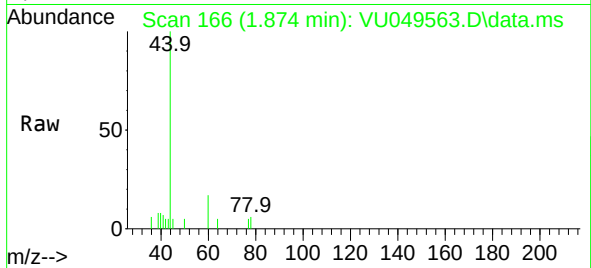




#6
Chloroethane
Concen: 1.926 ug/l
RT: 1.874 min Scan# 11
Delta R.T. -0.035 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

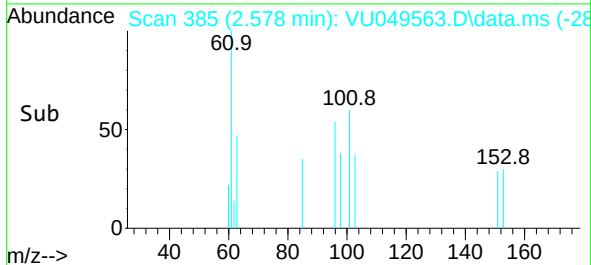
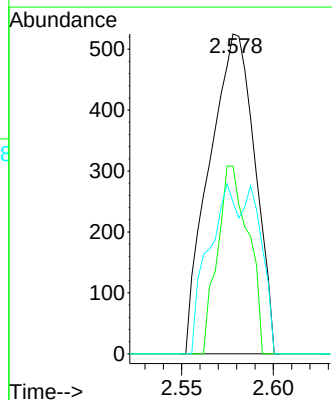
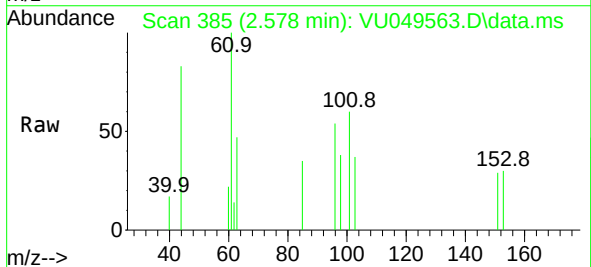
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622DL

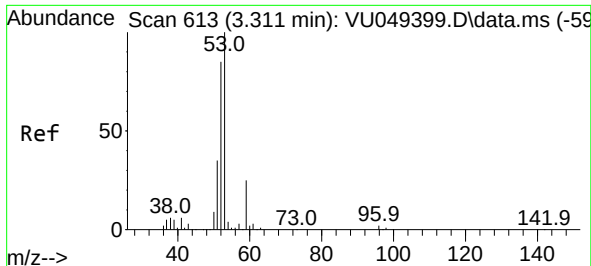
Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.331 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

Tgt Ion:101 Resp: 905
Ion Ratio Lower Upper
101 100
85 39.8 33.9 50.9
151 34.9 64.0 96.0#





#11

Tert butyl alcohol

Concen: 3.660 ug/l

RT: 3.182 min Scan# 51

Delta R.T. -0.129 min

Lab File: VU049563.D

Acq: 30 Jun 2022 15:09

Instrument :

MSVOA_U

ClientSampleId :

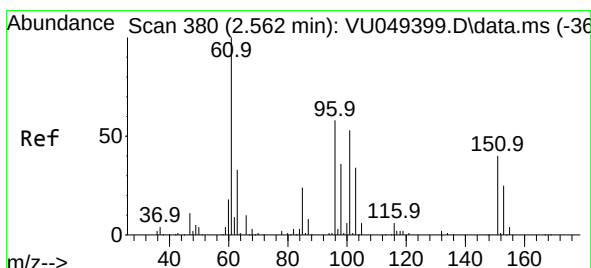
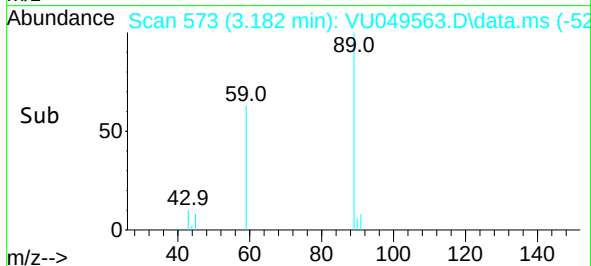
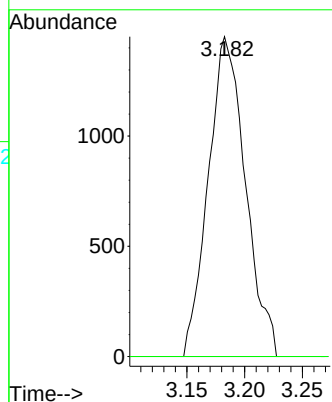
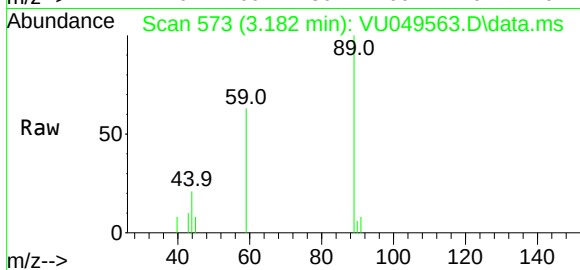
RE120D1-20220622DL

Tgt Ion: 59 Resp: 3249

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#



#12

1,1-Dichloroethene

Concen: 0.306 ug/l

RT: 2.578 min Scan# 385

Delta R.T. 0.016 min

Lab File: VU049563.D

Acq: 30 Jun 2022 15:09

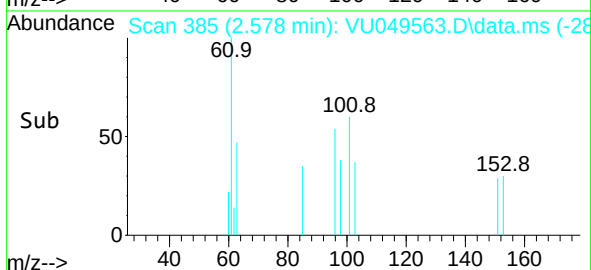
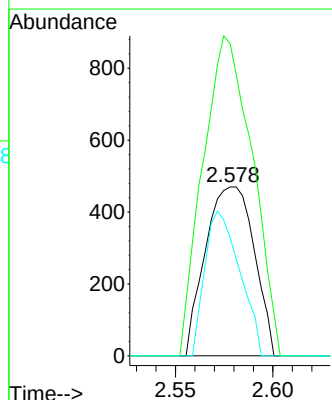
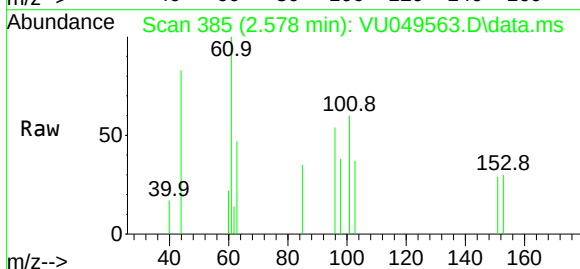
Tgt Ion: 96 Resp: 819

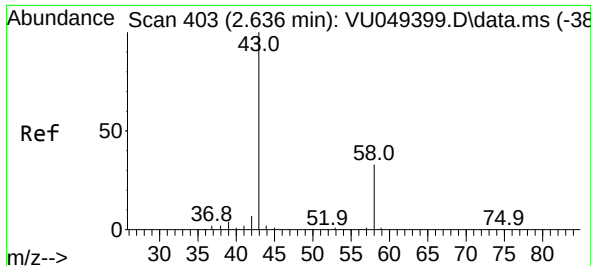
Ion Ratio Lower Upper

96 100

61 184.9 122.2 183.2#

98 70.0 50.7 76.1





#16

Acetone

Concen: 0.592 ug/l

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU049563.D

Acq: 30 Jun 2022 15:09

Instrument :

MSVOA_U

ClientSampleId :

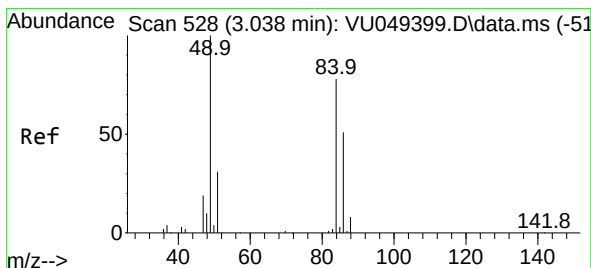
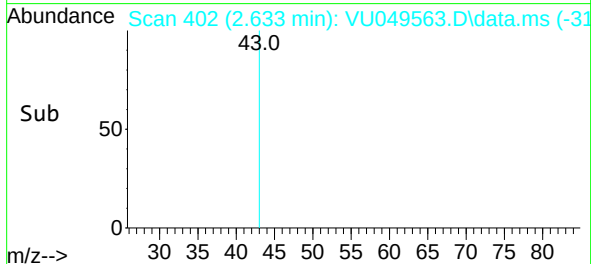
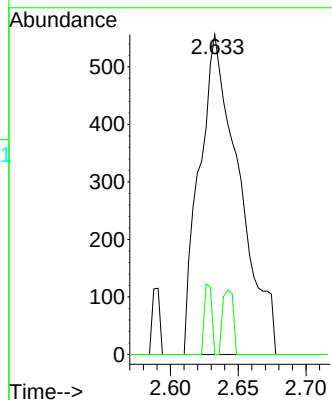
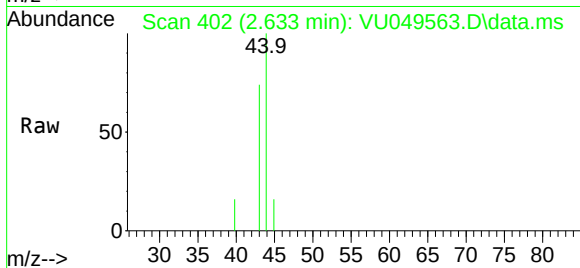
RE120D1-20220622DL

Tgt Ion: 43 Resp: 1132

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 3.047 min Scan# 531

Delta R.T. 0.010 min

Lab File: VU049563.D

Acq: 30 Jun 2022 15:09

Tgt Ion: 84 Resp: 605

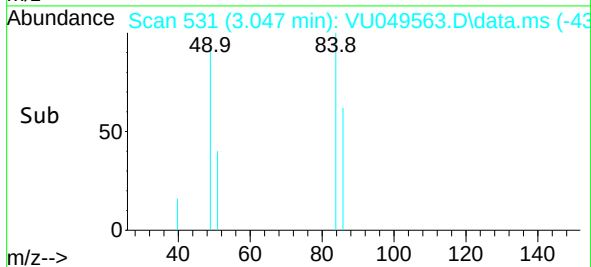
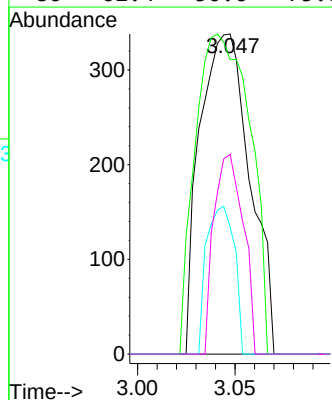
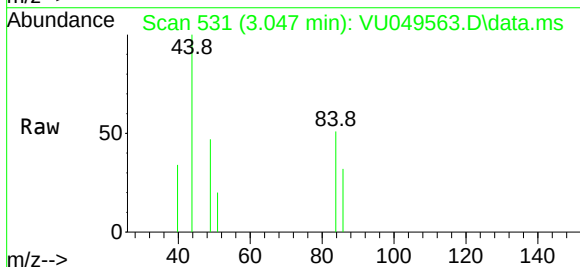
Ion Ratio Lower Upper

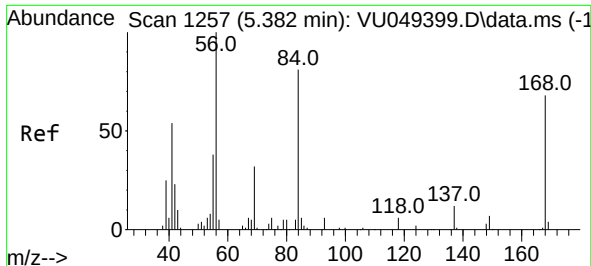
84 100

49 92.0 86.6 129.8

51 39.6 26.6 40.0

86 62.4 50.6 75.8

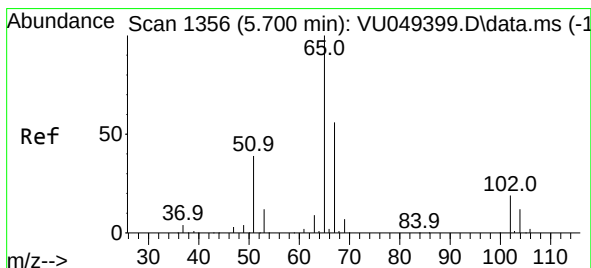
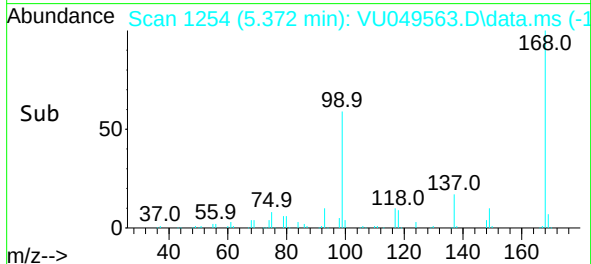
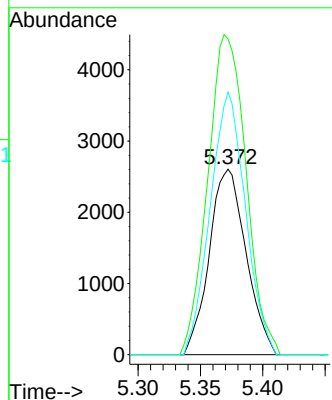
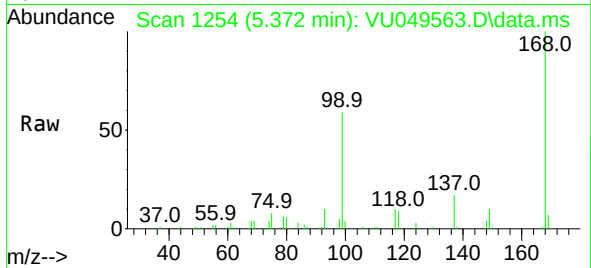




#31
Cyclohexane
Concen: 0.939 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

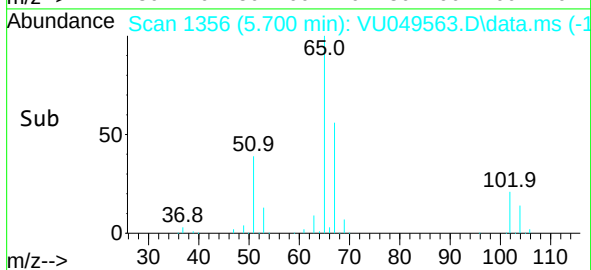
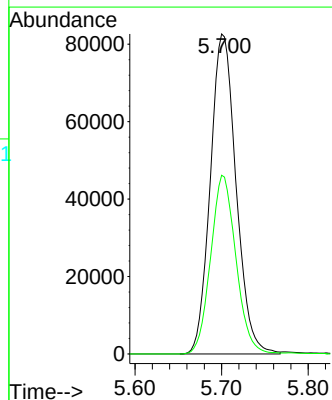
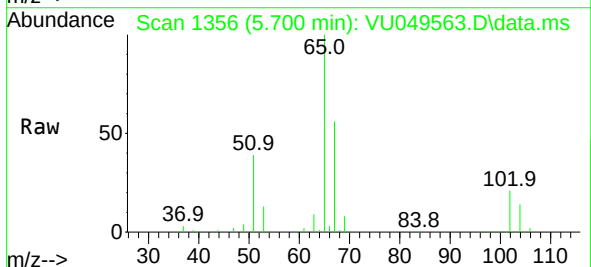
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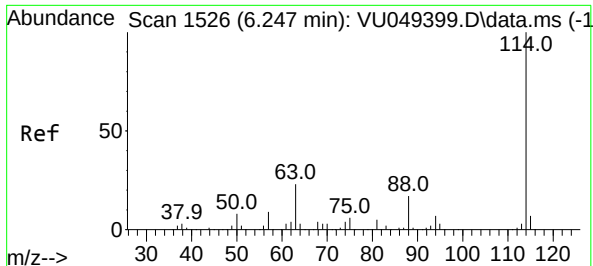
Tgt Ion: 56 Resp: 5346
Ion Ratio Lower Upper
56 100
69 170.3 27.8 41.8#
84 141.5 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 45.069 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

Tgt Ion: 65 Resp: 170948
Ion Ratio Lower Upper
65 100
67 54.8 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049563.D

Acq: 30 Jun 2022 15:09

Instrument :

MSVOA_U

ClientSampleId :

RE120D1-20220622DL

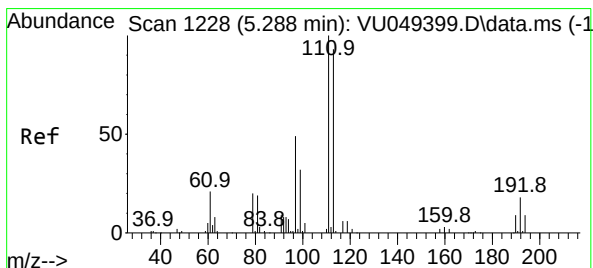
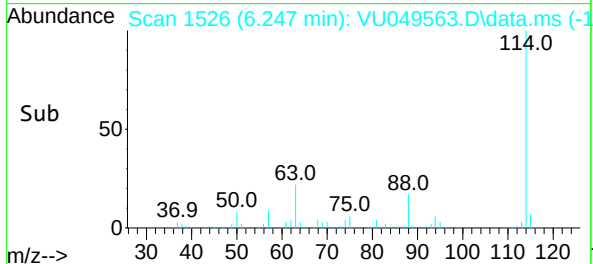
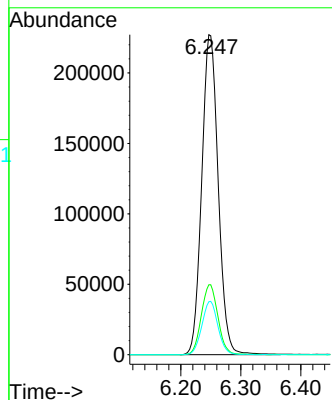
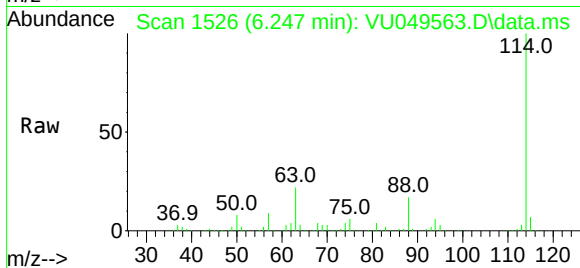
Tgt Ion:114 Resp: 434421

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 16.6 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.608 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049563.D

Acq: 30 Jun 2022 15:09

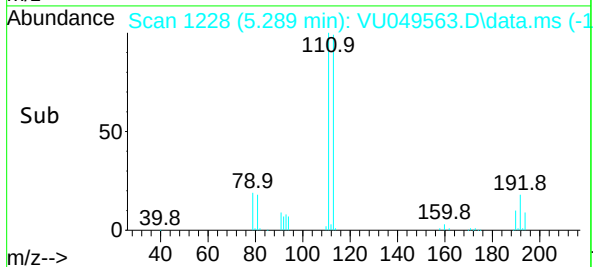
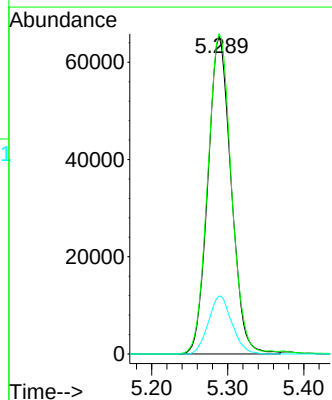
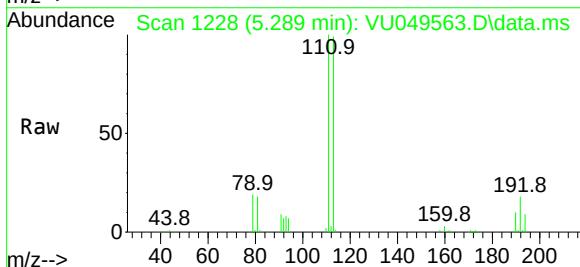
Tgt Ion:113 Resp: 138618

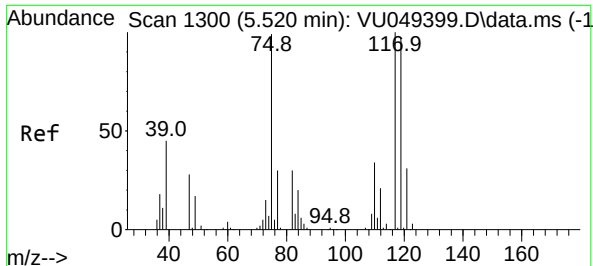
Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 18.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049563.D

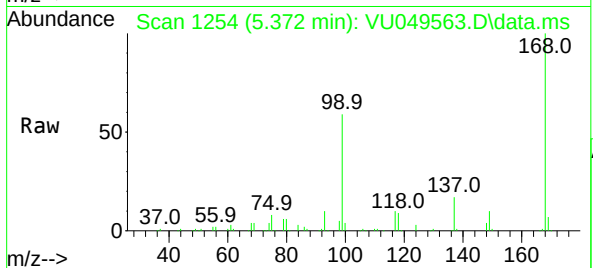
Acq: 30 Jun 2022 15:09

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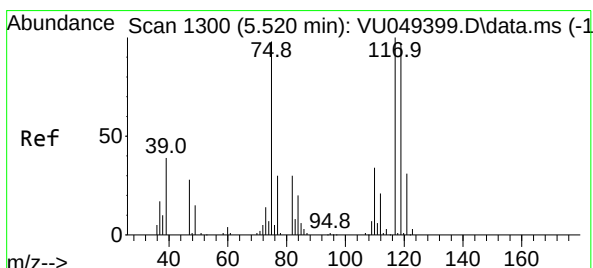
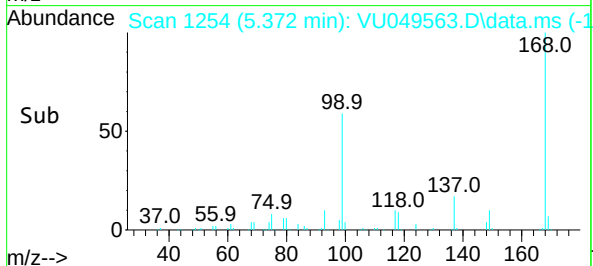
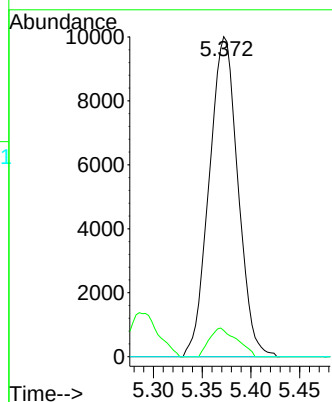
Tgt Ion: 75 Resp: 20535

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.373 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049563.D

Acq: 30 Jun 2022 15:09

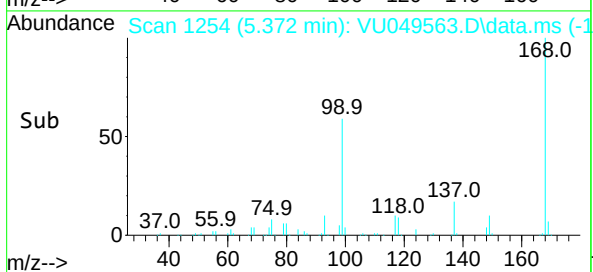
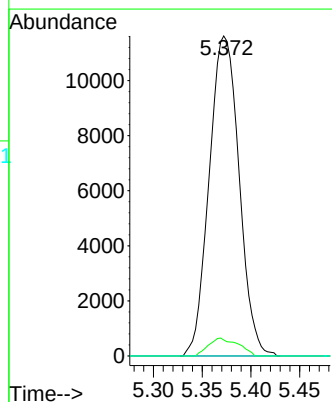
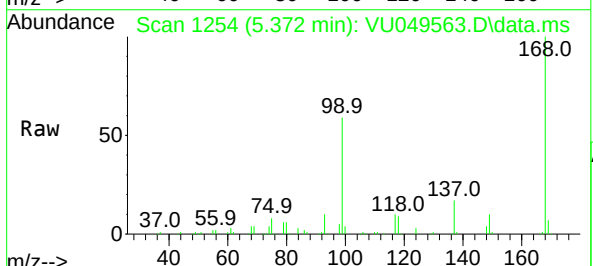
Tgt Ion: 117 Resp: 24831

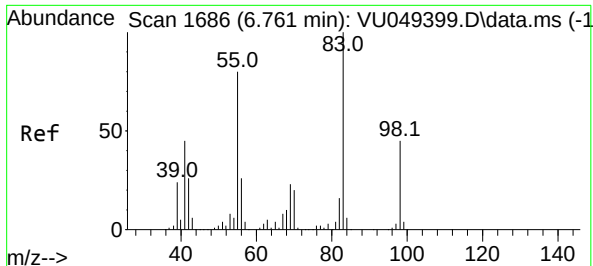
Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.305 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.222 min

Lab File: VU049563.D

Acq: 30 Jun 2022 15:09

Instrument :

MSVOA_U

ClientSampleId :

RE120D1-20220622DL

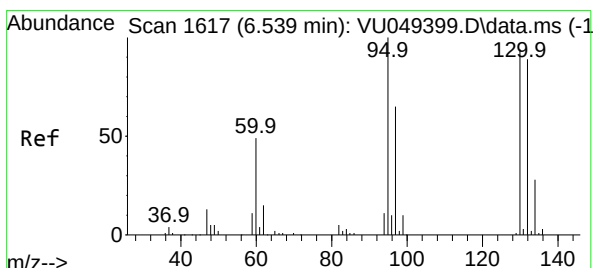
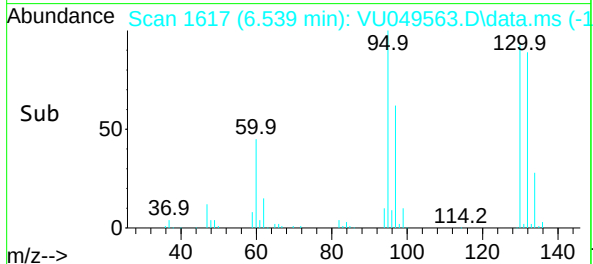
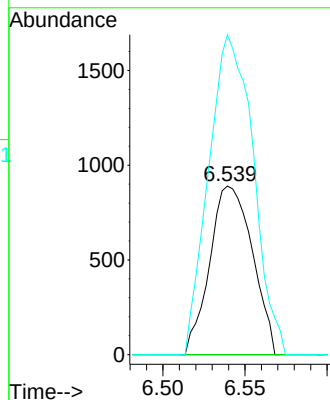
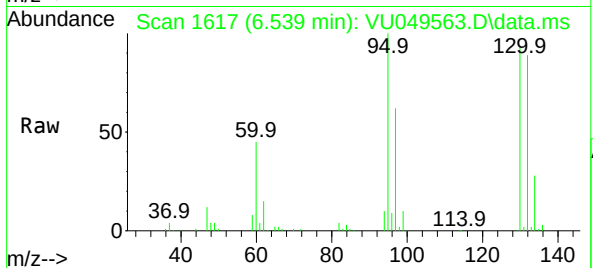
Tgt Ion: 83 Resp: 1609

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 189.8 37.3 55.9#



#44

Trichloroethene

Concen: 41.415 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049563.D

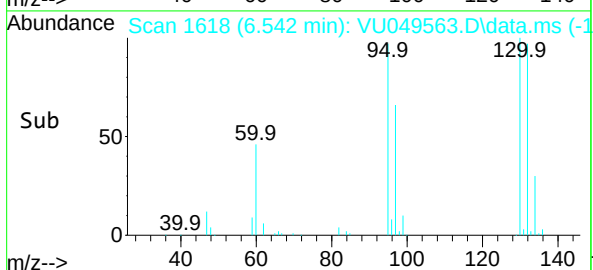
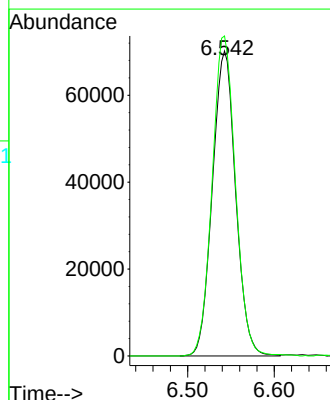
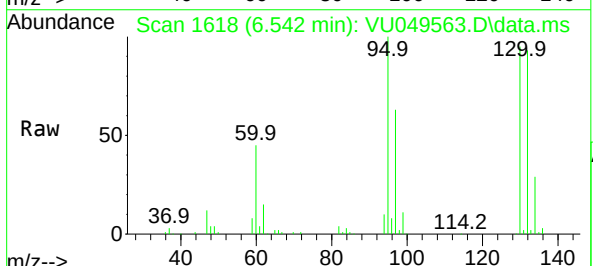
Acq: 30 Jun 2022 15:09

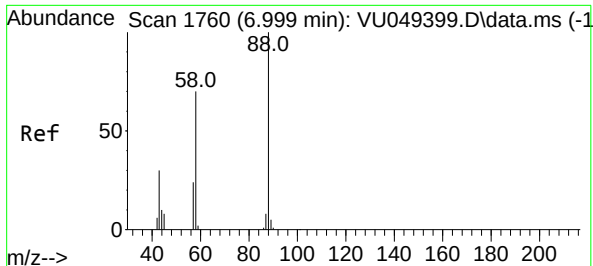
Tgt Ion:130 Resp: 130994

Ion Ratio Lower Upper

130 100

95 104.9 0.0 184.6





#49

1,4-Dioxane

Concen: 0.717 ug/l

RT: 6.977 min Scan# 1

Delta R.T. -0.022 min

Lab File: VU049563.D

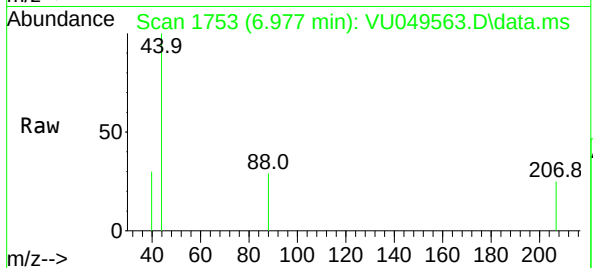
Acq: 30 Jun 2022 15:09

Instrument :

MSVOA_U

ClientSampleId :

RE120D1-20220622DL



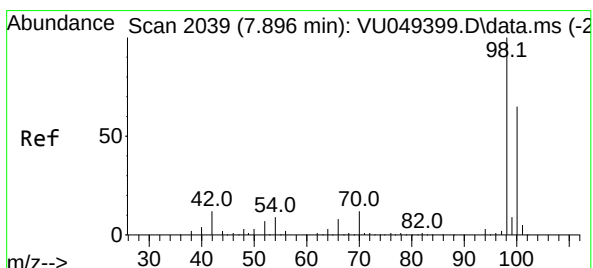
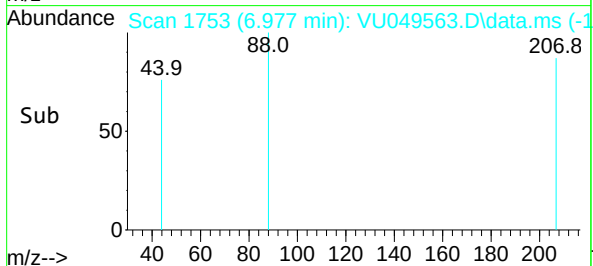
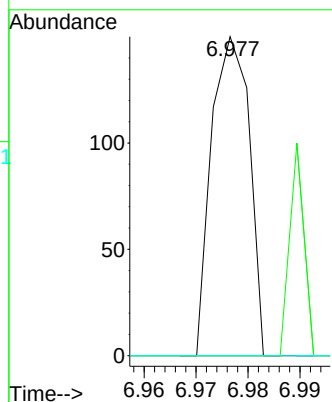
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 25.0 0.0 0.0#

58 0.0 15.4 23.0#



#50

Toluene-d8

Concen: 48.228 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049563.D

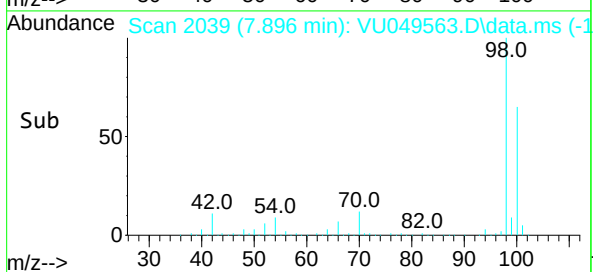
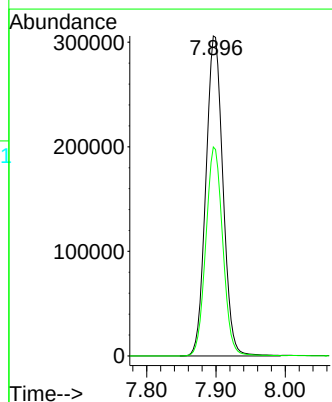
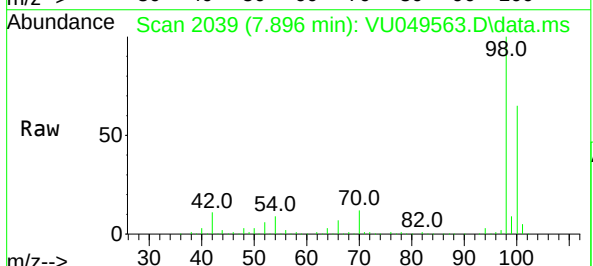
Acq: 30 Jun 2022 15:09

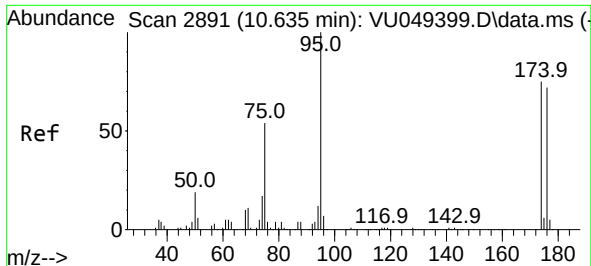
Tgt Ion: 98 Resp: 522814

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5

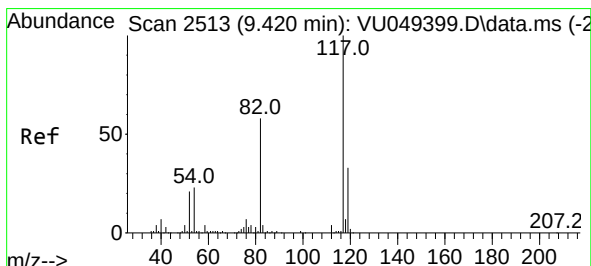
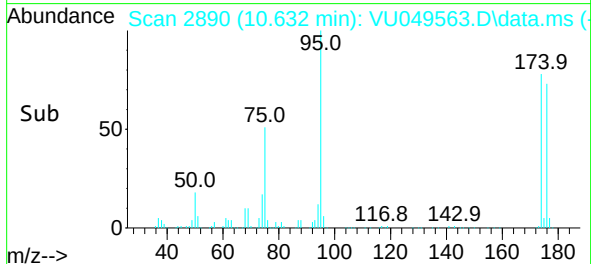
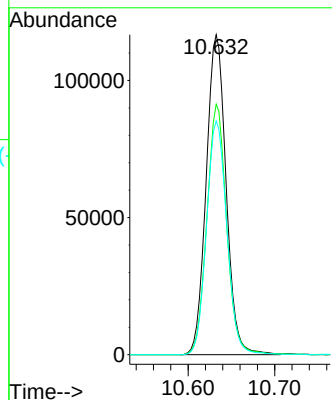
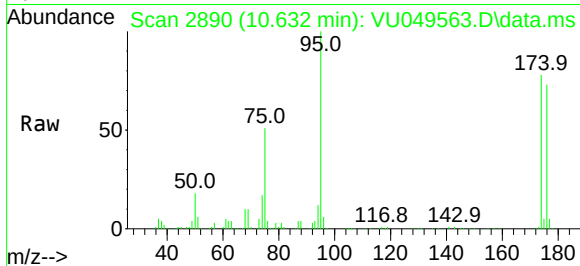




#62
4-Bromofluorobenzene
Concen: 44.864 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

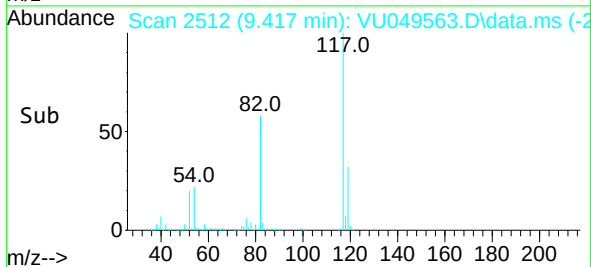
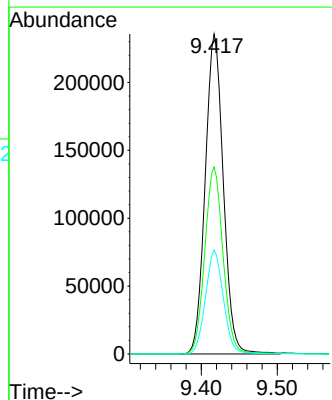
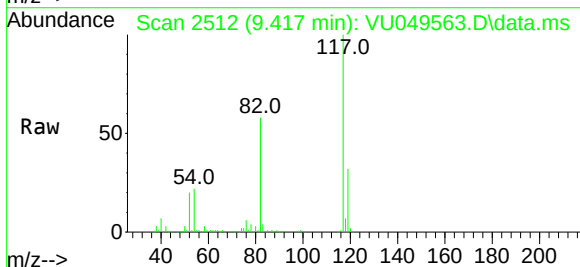
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622DL

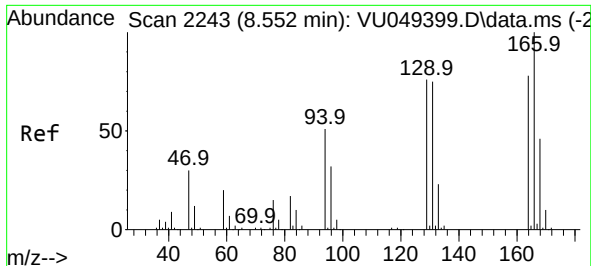
Tgt Ion: 95 Resp: 186304
Ion Ratio Lower Upper
95 100
174 77.7 0.0 182.0
176 74.4 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

Tgt Ion: 117 Resp: 390588
Ion Ratio Lower Upper
117 100
82 58.4 41.7 62.5
119 32.5 25.7 38.5

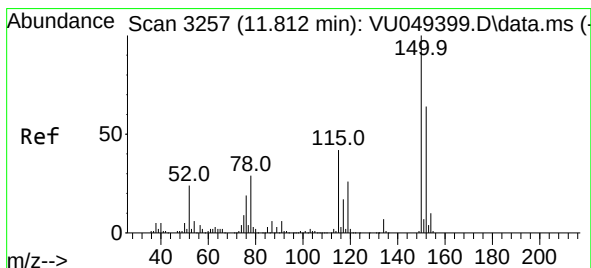
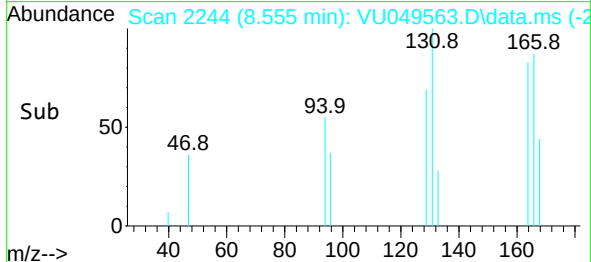
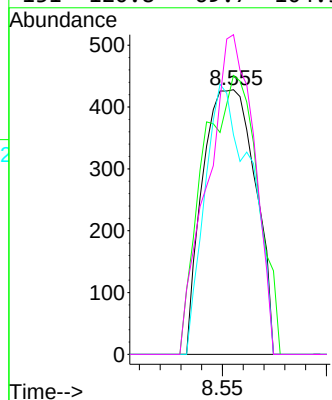
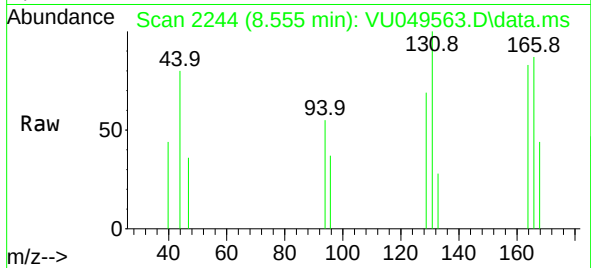




#64
Tetrachloroethene
Concen: 0.300 ug/l
RT: 8.555 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

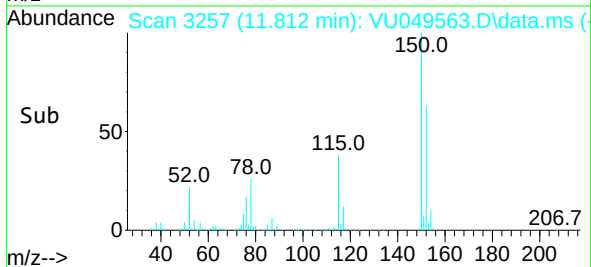
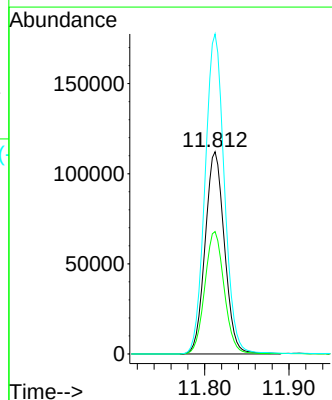
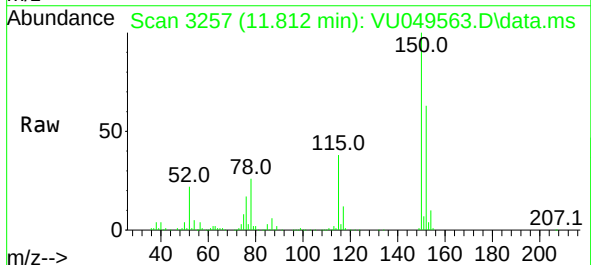
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622DL

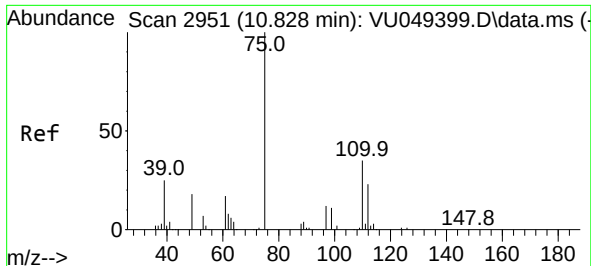
Tgt Ion:164 Resp: 751
Ion Ratio Lower Upper
164 100
166 105.4 100.0 150.0
129 82.9 72.0 108.0
131 120.8 69.7 104.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

Tgt Ion:152 Resp: 179524
Ion Ratio Lower Upper
152 100
115 60.6 37.0 110.9
150 158.3 0.0 342.2

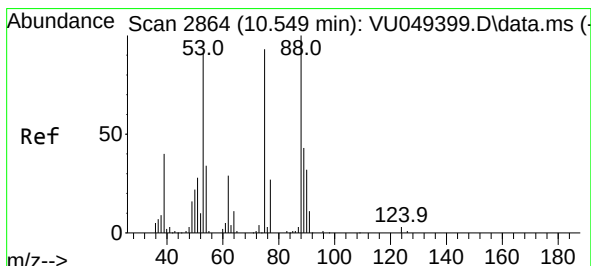
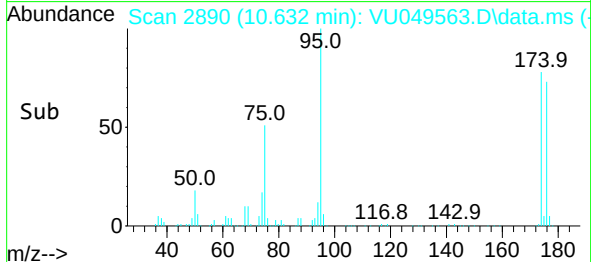
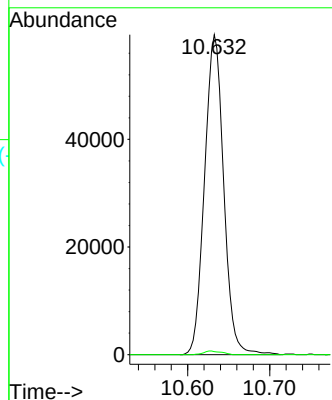
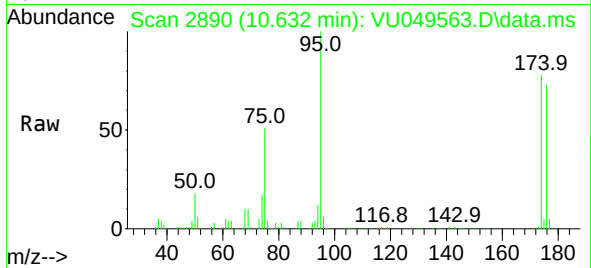




#76
1,2,3-Trichloropropane
Concen: 15.813 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

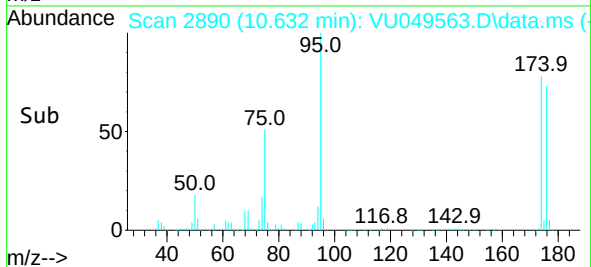
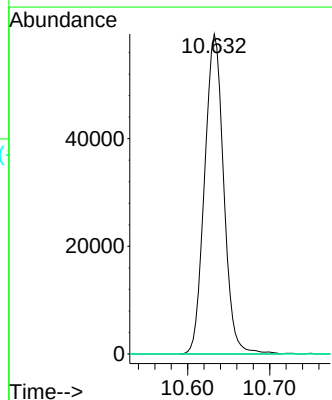
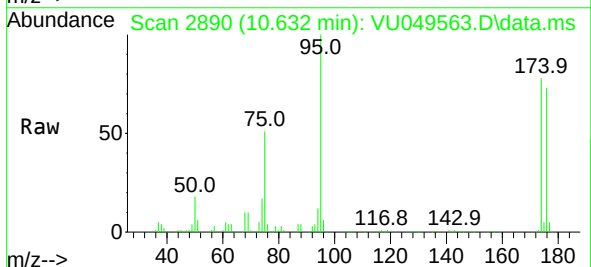
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622DL

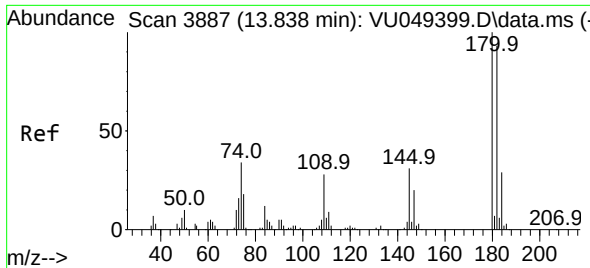
Tgt Ion: 75 Resp: 96233
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.395 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

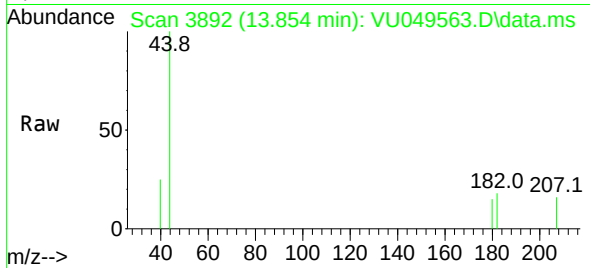
Tgt Ion: 75 Resp: 96233
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



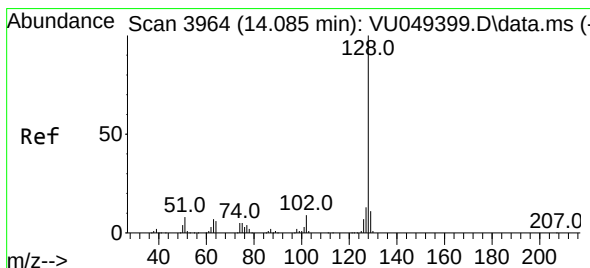
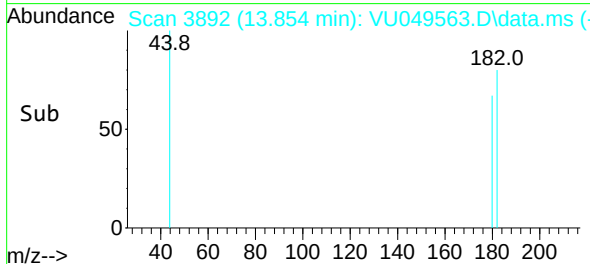
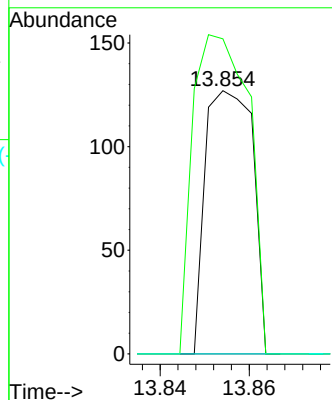


#93
1,2,4-Trichlorobenzene
Concen: 1.776 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622DL

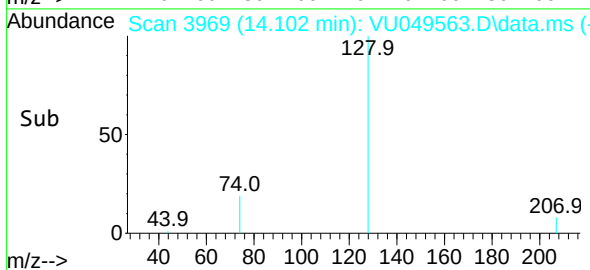
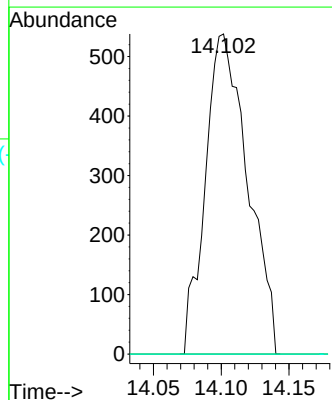
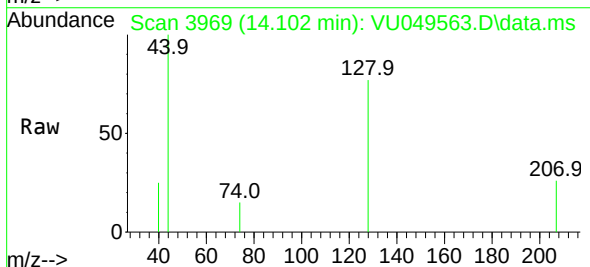


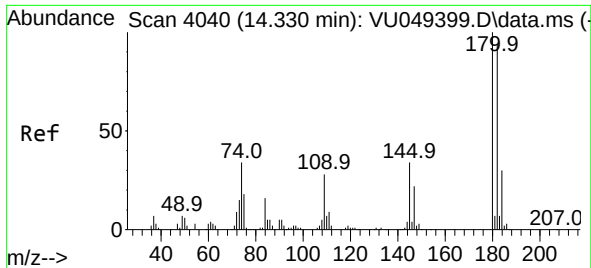
Tgt Ion:180 Resp: 94
Ion Ratio Lower Upper
180 100
182 142.6 47.9 143.6
145 0.0 14.0 41.9#



#95
Naphthalene
Concen: 1.817 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU049563.D
Acq: 30 Jun 2022 15:09

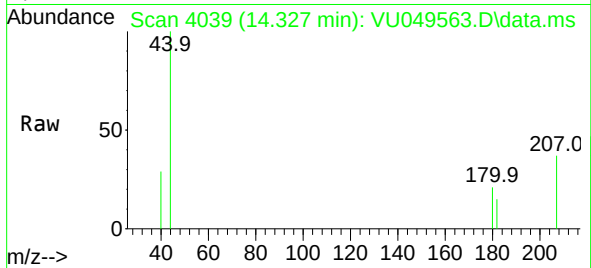
Tgt Ion:128 Resp: 1173
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.195 ug/l
 RT: 14.327 min Scan# 40
 Delta R.T. -0.003 min
 Lab File: VU049563.D
 Acq: 30 Jun 2022 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D1-20220622DL



Tgt Ion:180 Resp: 74
 Ion Ratio Lower Upper
 180 100
 182 83.8 48.4 145.0
 145 0.0 14.8 44.4#

