

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
 Data File : VU049577.D
 Acq On : 30 Jun 2022 20:41
 Operator : SY/MD
 Sample : N3458-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D1-20220622

Quant Time: Jul 01 05:27:54 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)

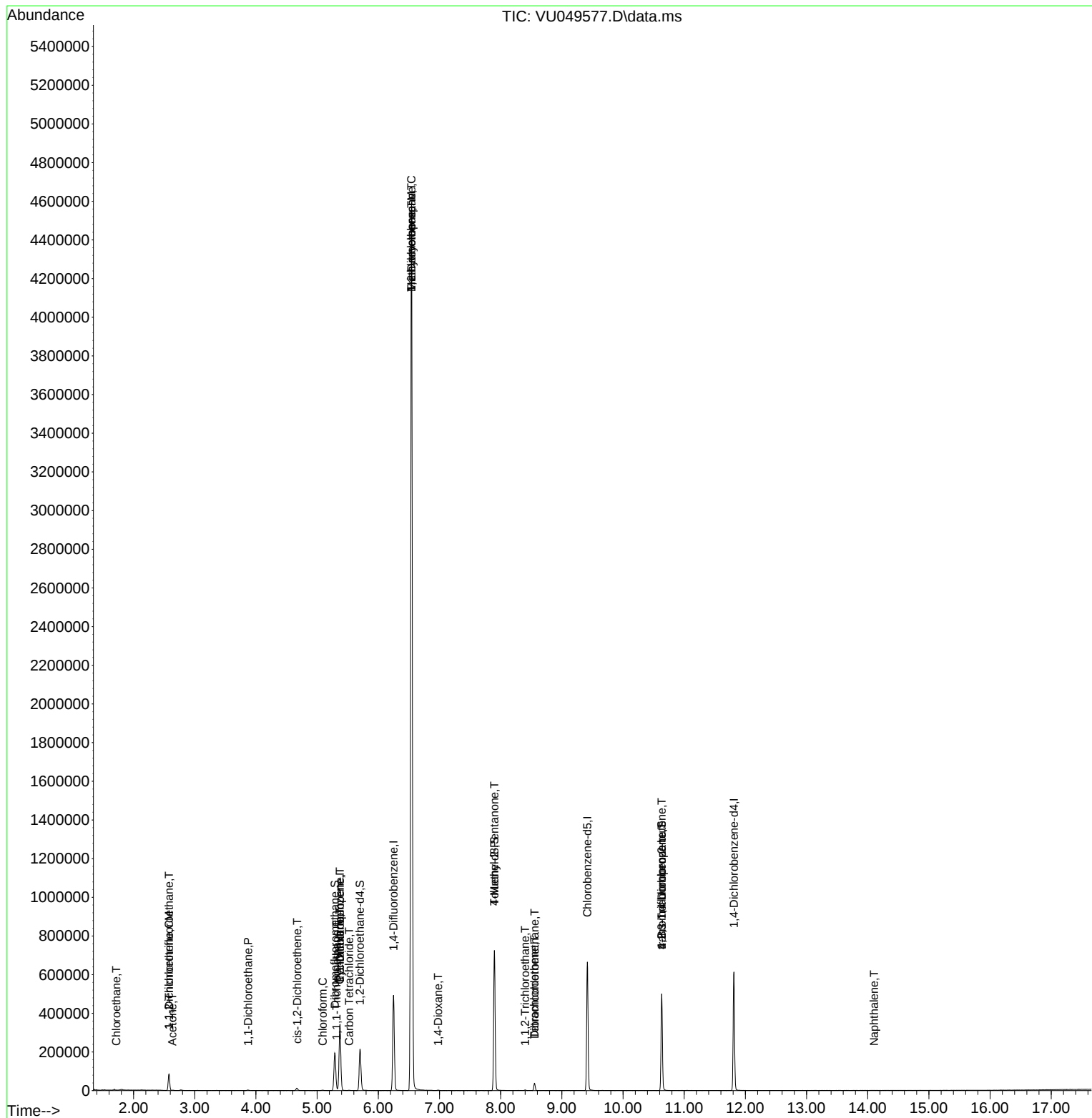
Internal Standards						
1) Pentafluorobenzene	5.372	168	223016	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	393615	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	356108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	157575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	161243	46.947	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.900%		
35) Dibromofluoromethane	5.288	113	127268	46.215	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.420%		
50) Toluene-d8	7.896	98	475639	48.425	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.840%		
62) 4-Bromofluorobenzene	10.632	95	167119	44.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.840%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	2235	Below Cal	#	77
6) Chloroethane	1.716	64	19	1.926	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	20474	8.276	ug/l	94
12) 1,1-Dichloroethene	2.578	96	10865	4.486	ug/l	79
16) Acetone	2.633	43	1460	0.843	ug/l #	88
20) Methylene Chloride	3.038	84	104	Below Cal	#	63
24) 1,1-Dichloroethane	3.870	63	3436	0.640	ug/l #	90
27) cis-1,2-Dichloroethene	4.674	96	6522	2.162	ug/l	99
30) Chloroform	5.092	83	1822	0.343	ug/l	90
31) Cyclohexane	5.369	56	4726	0.916	ug/l #	7
32) 1,1,1-Trichloroethane	5.317	97	1042	0.226	ug/l #	24
36) 1,1-Dichloropropene	5.372	75	18875	4.727	ug/l #	49
38) Carbon Tetrachloride	5.526	117	1096	0.262	ug/l #	82
39) Methylcyclohexane	6.542	83	19621	4.100	ug/l #	1
44) Trichloroethene	6.542	130	1505462	525.310	ug/l	86
45) 1,2-Dichloropropane	6.539	63	5146	1.541	ug/l #	1
49) 1,4-Dioxane	6.980	88	2070	21.564	ug/l #	1
51) 4-Methyl-2-Pentanone	7.896	43	1981	0.370	ug/l #	1
55) 1,1,2-Trichloroethane	8.401	97	1002	0.338	ug/l #	82
60) Dibromochloromethane	8.555	129	8147	2.644	ug/l #	11
64) Tetrachloroethene	8.552	164	8393	3.675	ug/l	92
76) 1,2,3-Trichloropropane	10.632	75	86287	16.154	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	86287	59.653	ug/l #	15
95) Naphthalene	14.105	128	298	1.759	ug/l #	69

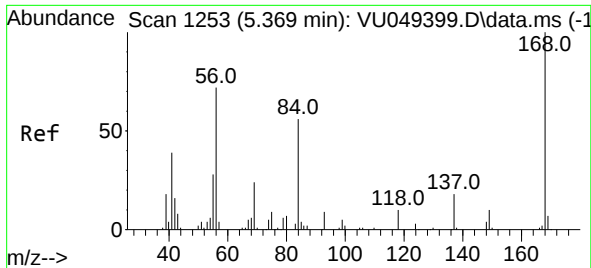
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
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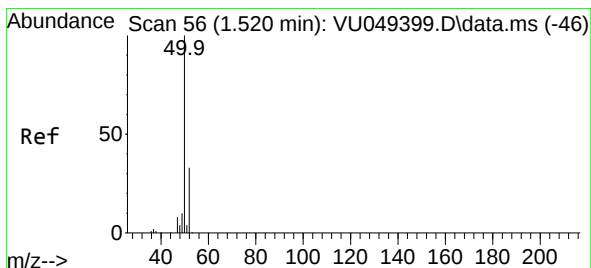
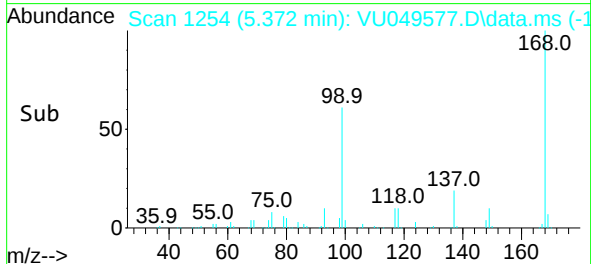
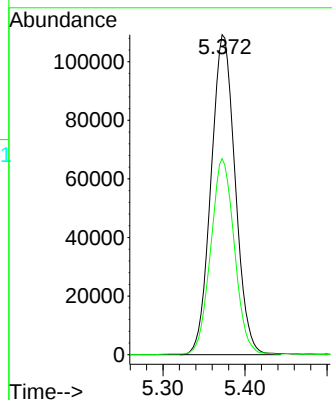
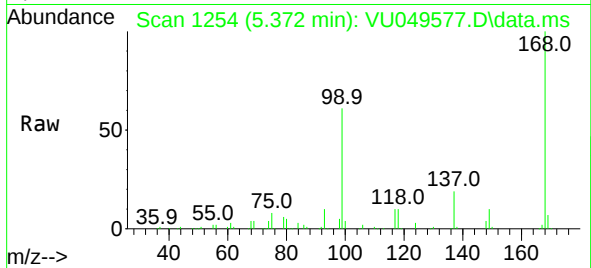




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

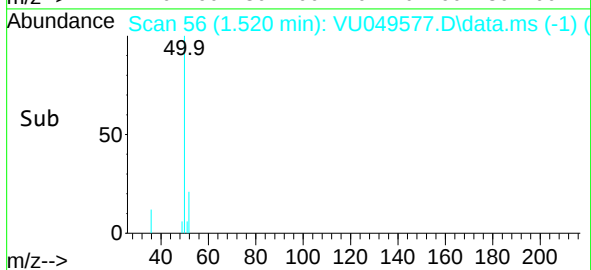
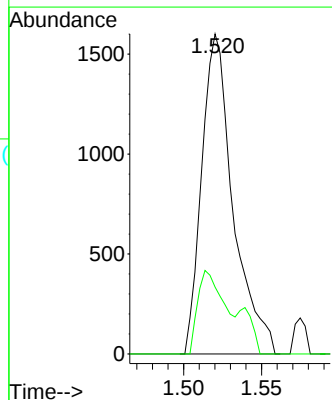
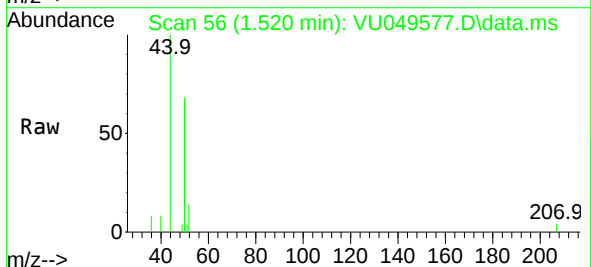
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622

Tgt Ion:168 Resp: 223016
Ion Ratio Lower Upper
168 100
99 61.1 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

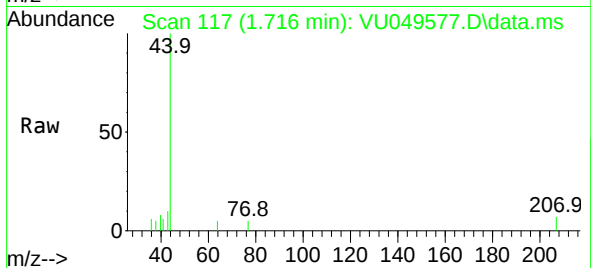
Tgt Ion: 50 Resp: 2235
Ion Ratio Lower Upper
50 100
52 20.9 27.4 41.2#



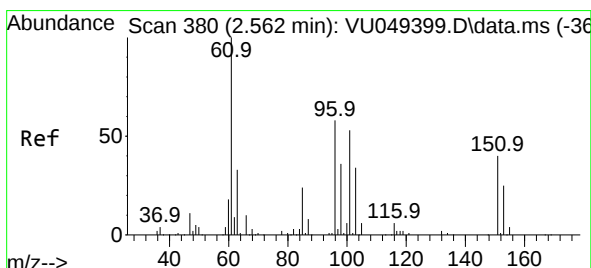
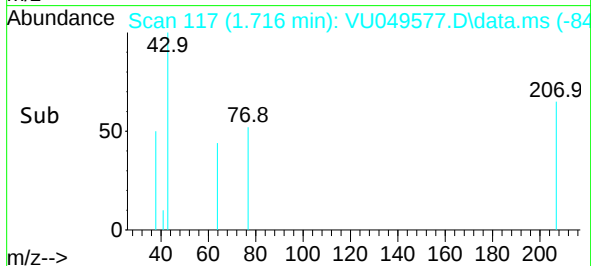
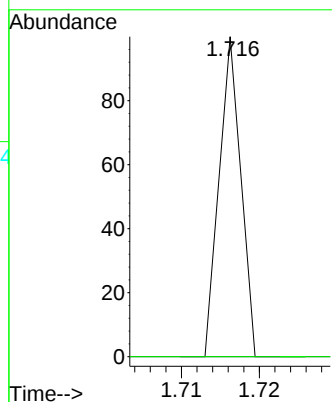


#6
Chloroethane
Concen: 1.926 ug/l
RT: 1.716 min Scan# 117
Delta R.T. -0.193 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622

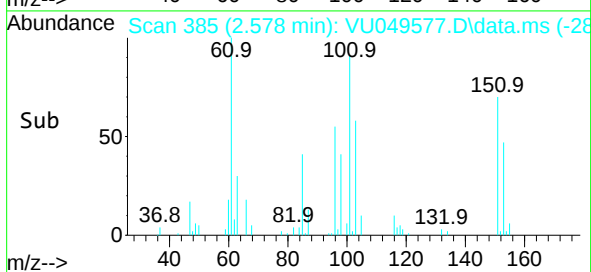
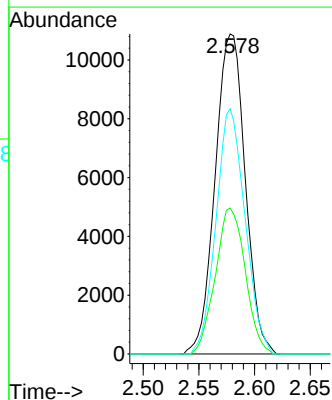
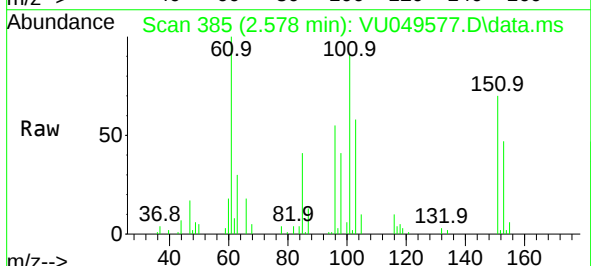


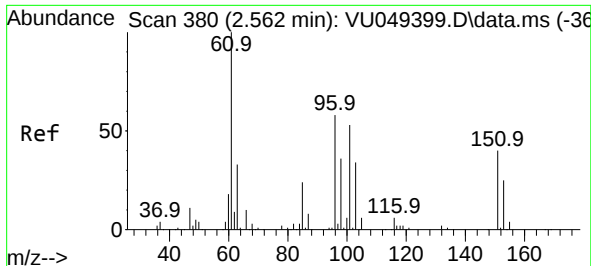
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.276 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Tgt Ion: 101 Resp: 20474
Ion Ratio Lower Upper
101 100
85 45.2 33.9 50.9
151 74.0 64.0 96.0





#12

1,1-Dichloroethene

Concen: 4.486 ug/l

RT: 2.578 min Scan# 380

Delta R.T. 0.016 min

Lab File: VU049577.D

Acq: 30 Jun 2022 20:41

Instrument :

MSVOA_U

ClientSampleId :

RE120D1-20220622

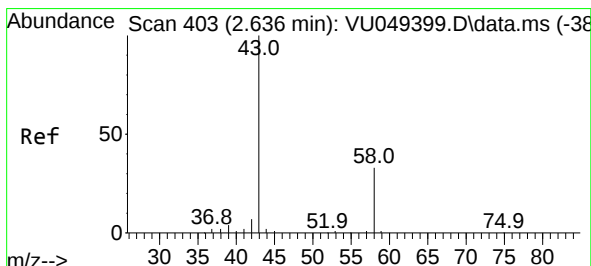
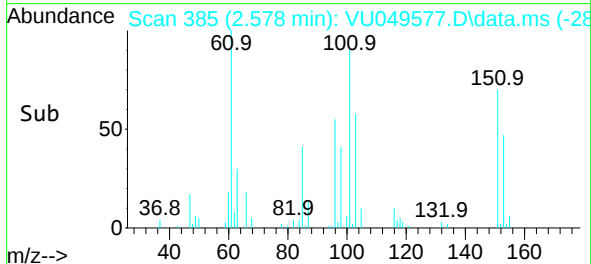
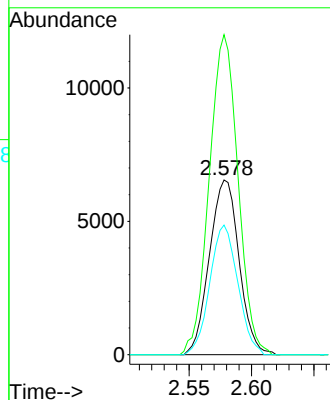
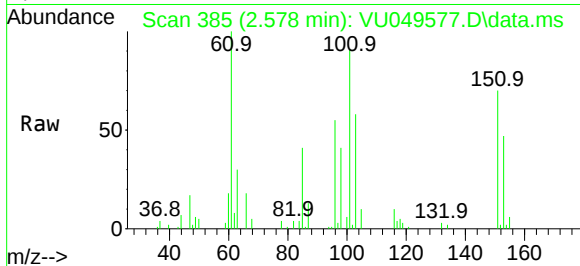
Tgt Ion: 96 Resp: 10865

Ion Ratio Lower Upper

96 100

61 183.2 122.2 183.2

98 74.2 50.7 76.1



#16

Acetone

Concen: 0.843 ug/l

RT: 2.633 min Scan# 402

Delta R.T. -0.003 min

Lab File: VU049577.D

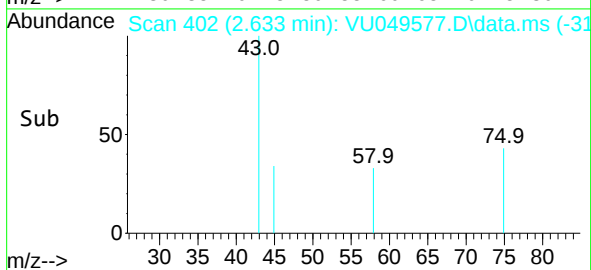
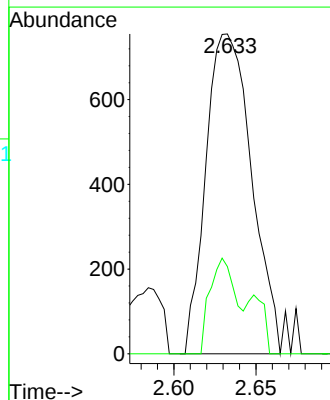
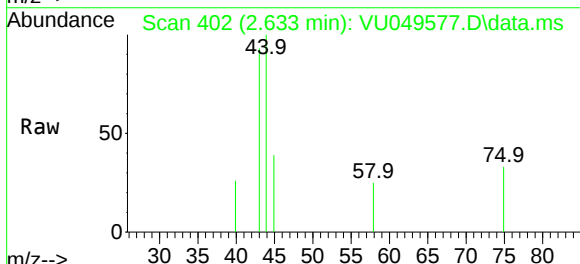
Acq: 30 Jun 2022 20:41

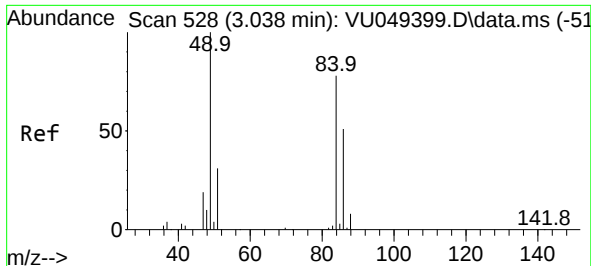
Tgt Ion: 43 Resp: 1460

Ion Ratio Lower Upper

43 100

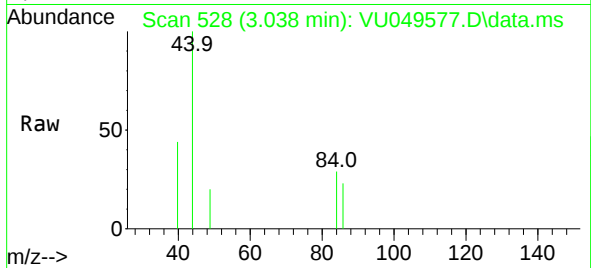
58 27.3 27.5 41.3#



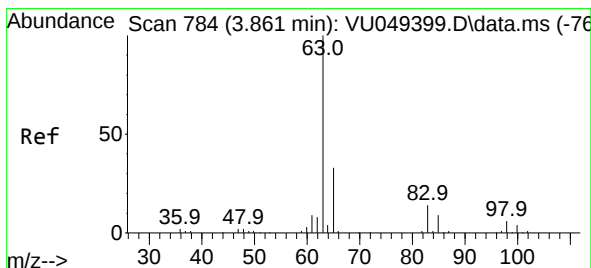
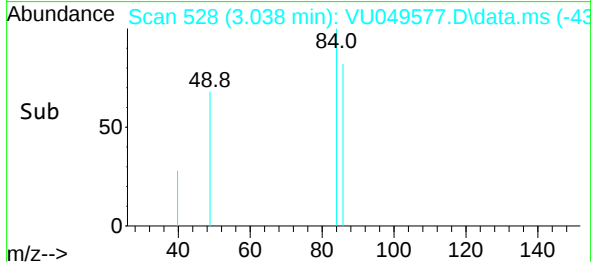
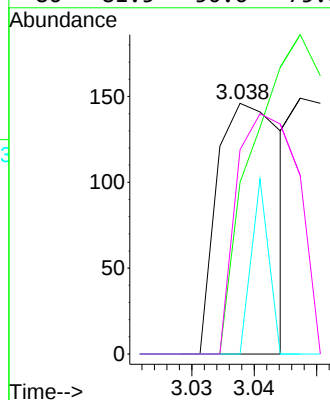


#20
Methylene Chloride
Concen: Below Cal
RT: 3.038 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622

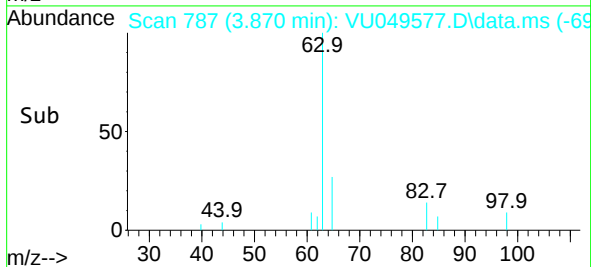
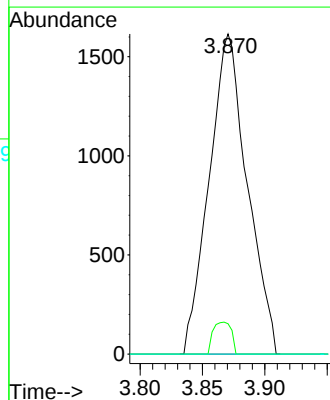
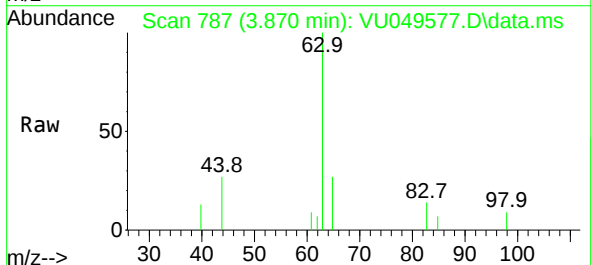


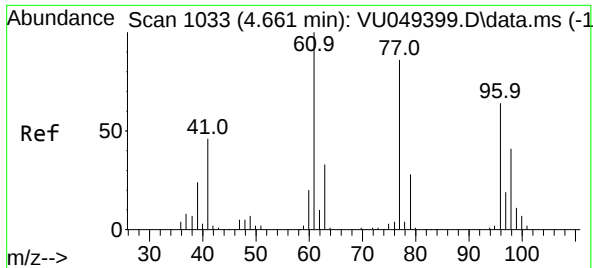
Tgt Ion: 84 Resp: 104
Ion Ratio Lower Upper
84 100
49 68.5 86.6 129.8#
51 0.0 26.6 40.0#
86 81.5 50.6 75.8#



#24
1,1-Dichloroethane
Concen: 0.640 ug/l
RT: 3.870 min Scan# 787
Delta R.T. 0.010 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Tgt Ion: 63 Resp: 3436
Ion Ratio Lower Upper
63 100
98 9.5 3.6 10.9
100 0.0 2.4 7.2#

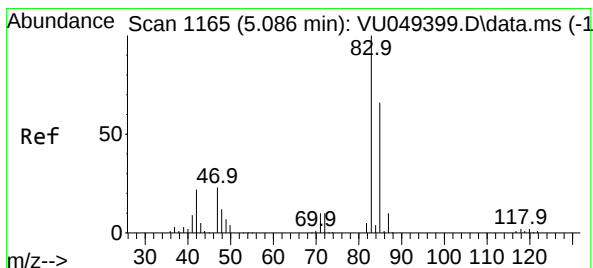
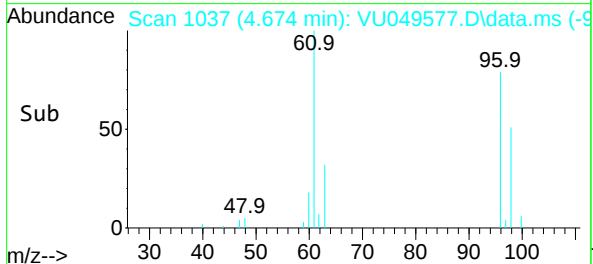
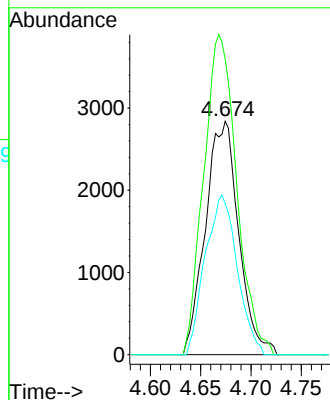
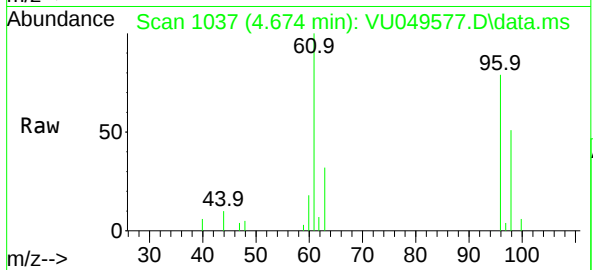




#27
 cis-1,2-Dichloroethene
 Concen: 2.162 ug/l
 RT: 4.674 min Scan# 1103
 Delta R.T. 0.013 min
 Lab File: VU049577.D
 Acq: 30 Jun 2022 20:41

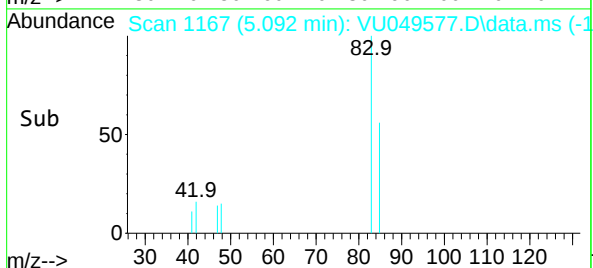
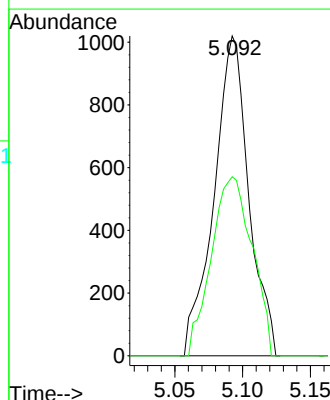
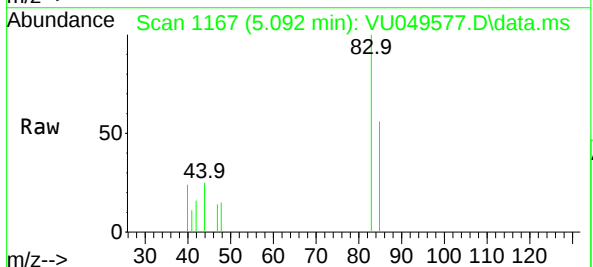
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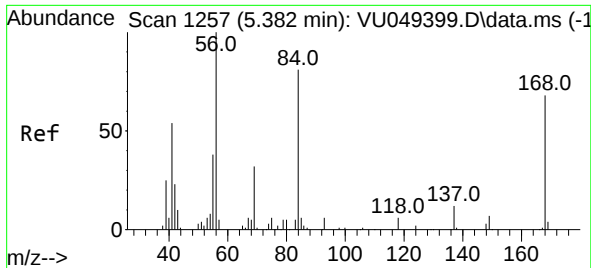
Tgt Ion: 96 Resp: 6522
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 271.6
 98 66.0 0.0 128.2



#30
 Chloroform
 Concen: 0.343 ug/l
 RT: 5.092 min Scan# 1167
 Delta R.T. 0.006 min
 Lab File: VU049577.D
 Acq: 30 Jun 2022 20:41

Tgt Ion: 83 Resp: 1822
 Ion Ratio Lower Upper
 83 100
 85 56.0 51.2 76.8

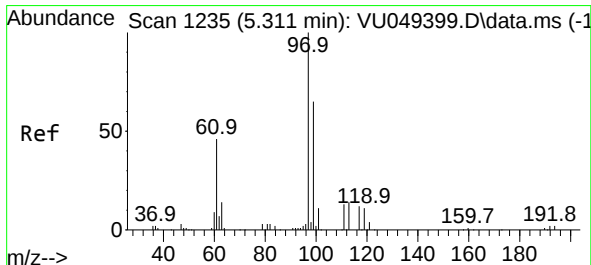
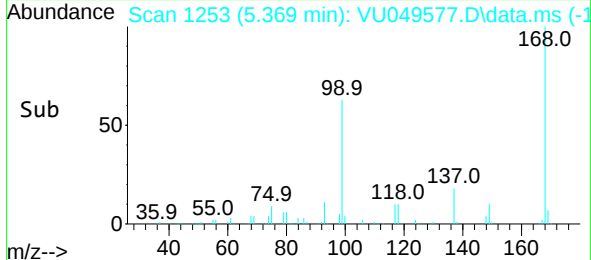
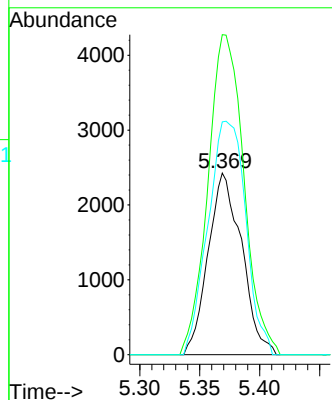
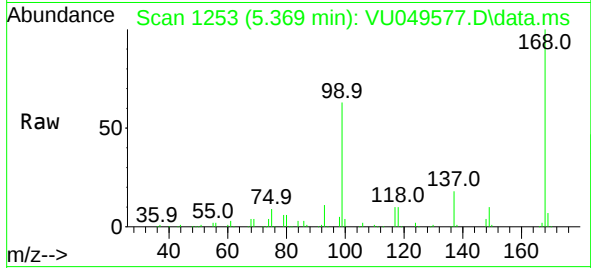




#31
Cyclohexane
Concen: 0.916 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

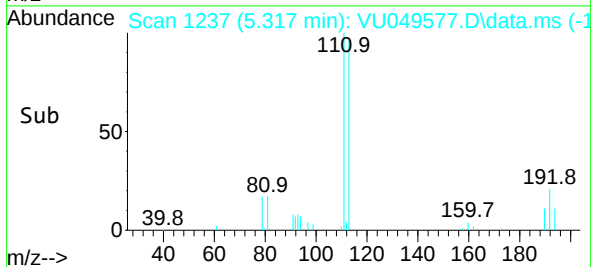
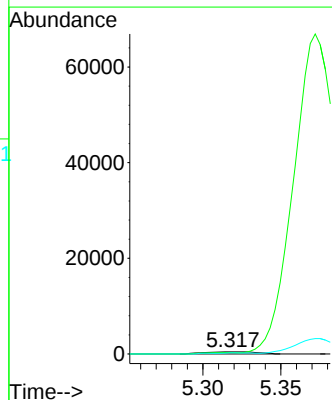
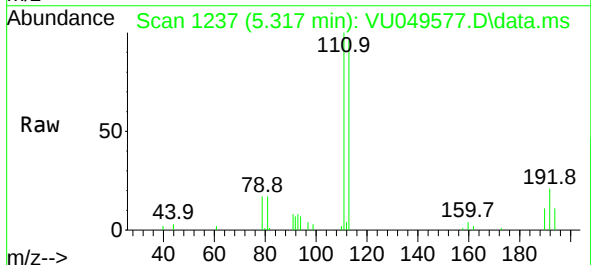
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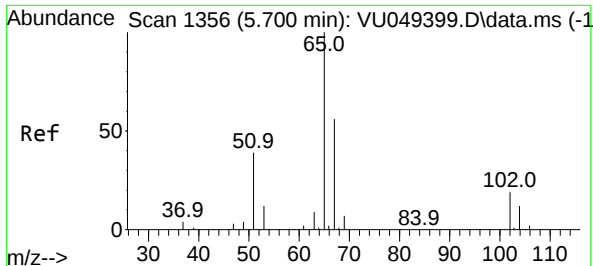
Tgt Ion: 56 Resp: 4726
Ion Ratio Lower Upper
56 100
69 176.2 27.8 41.8#
84 128.2 74.2 111.4#



#32
1,1,1-Trichloroethane
Concen: 0.226 ug/l
RT: 5.317 min Scan# 1237
Delta R.T. 0.006 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Tgt Ion: 97 Resp: 1042
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 0.0 35.1 52.7#





#33

1,2-Dichloroethane-d4

Concen: 46.947 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049577.D

Acq: 30 Jun 2022 20:41

Instrument :

MSVOA_U

ClientSampleId :

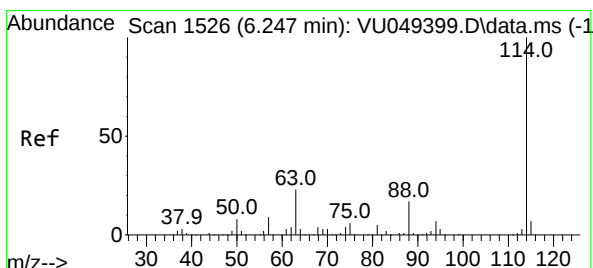
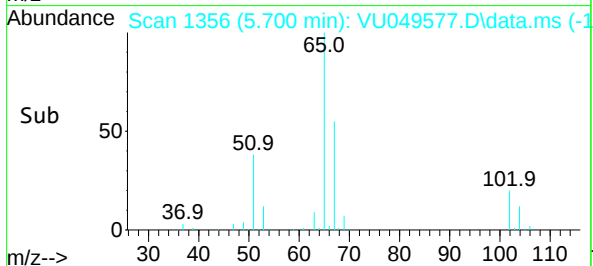
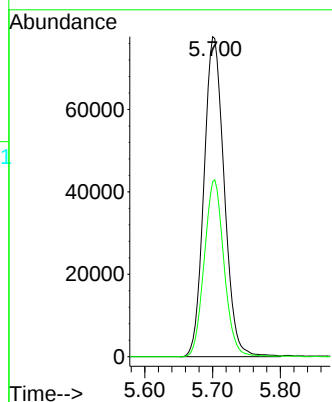
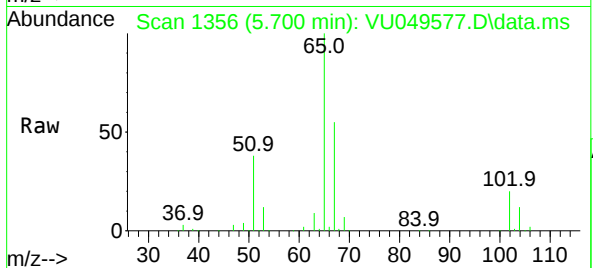
RE120D1-20220622

Tgt Ion: 65 Resp: 161243

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049577.D

Acq: 30 Jun 2022 20:41

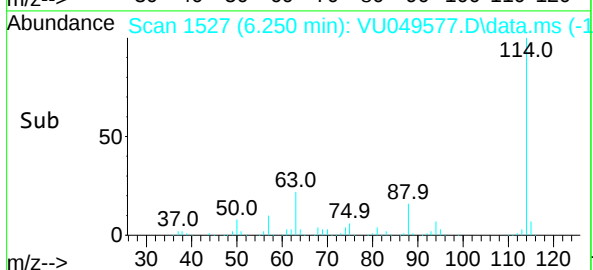
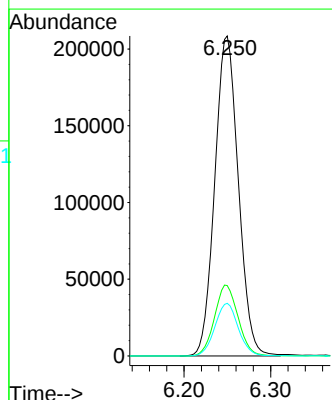
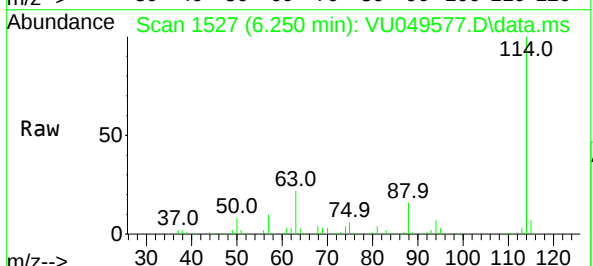
Tgt Ion: 114 Resp: 393615

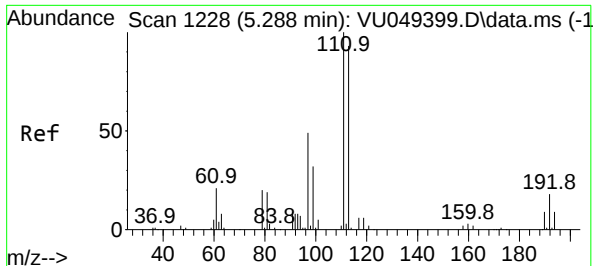
Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

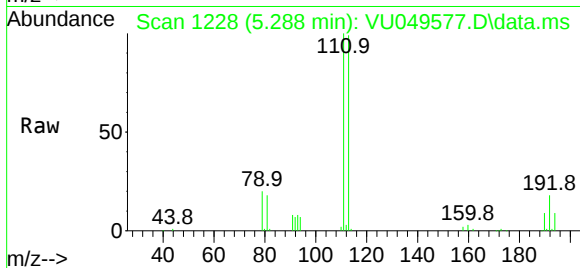
88 16.4 0.0 29.2



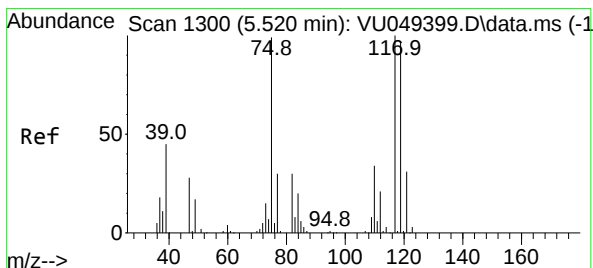
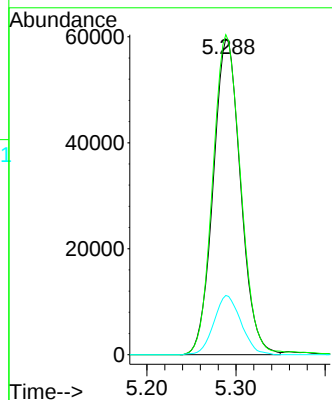
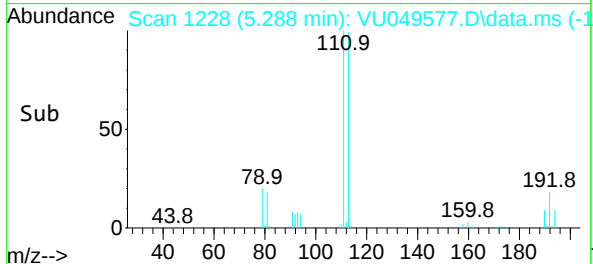


#35
Dibromofluoromethane
Concen: 46.215 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622

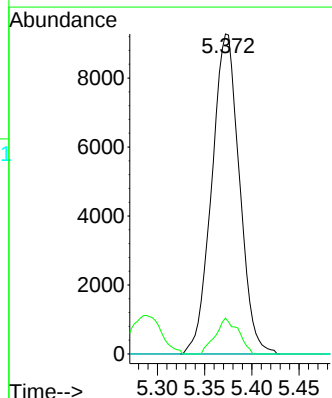
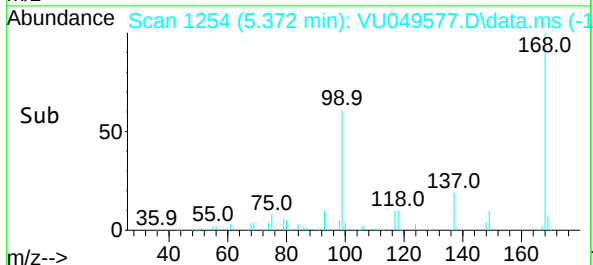
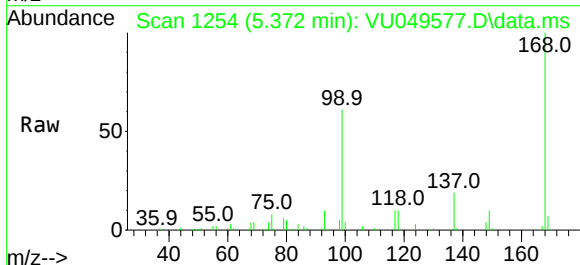


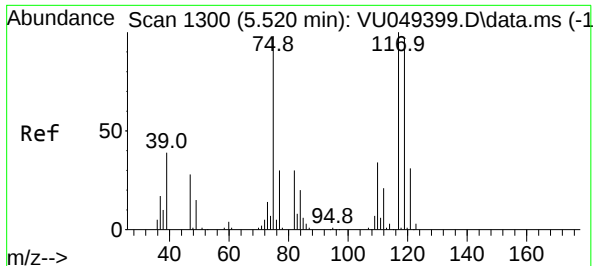
Tgt Ion:113 Resp: 127268
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 18.6 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Tgt Ion: 75 Resp: 18875
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 25.1 37.7#

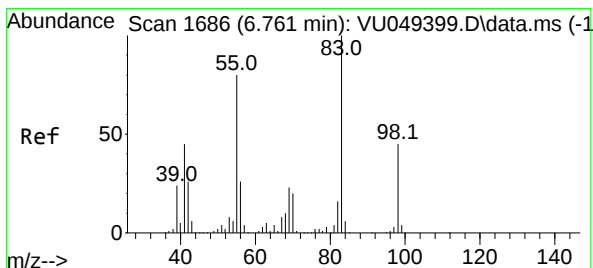
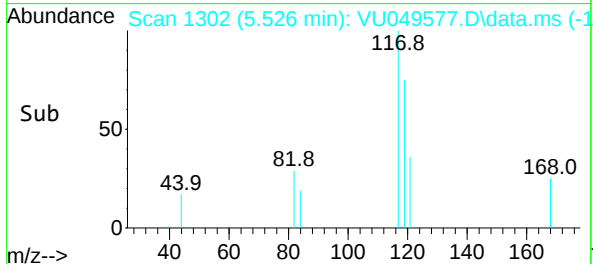
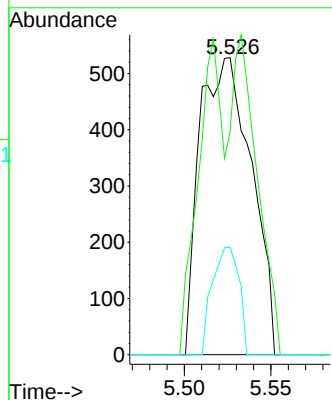
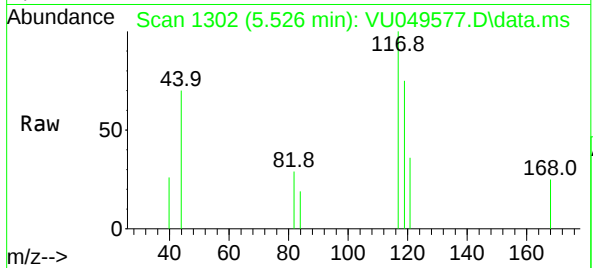




#38
Carbon Tetrachloride
Concen: 0.262 ug/l
RT: 5.526 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

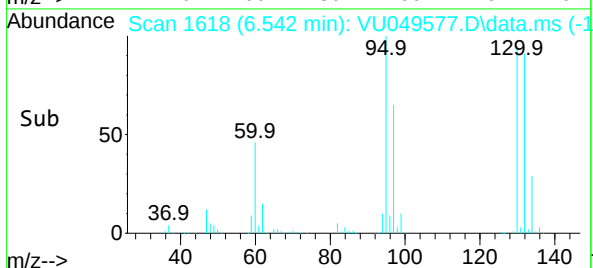
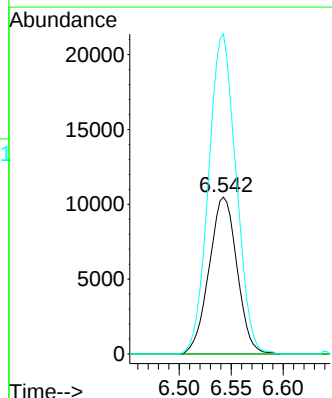
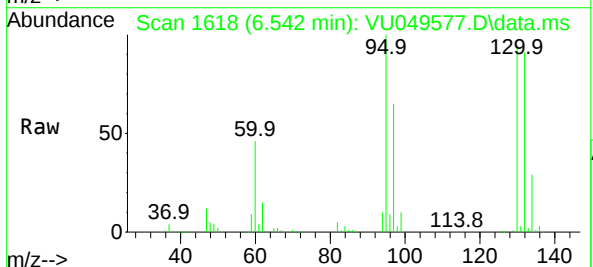
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622

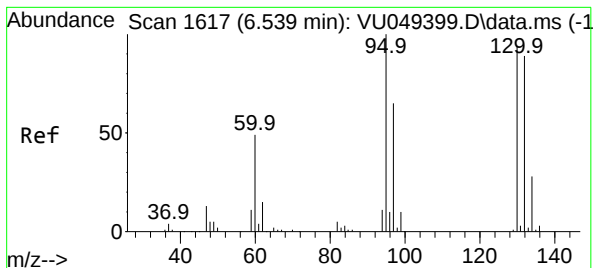
Tgt Ion:117 Resp: 1096
Ion Ratio Lower Upper
117 100
119 75.2 76.8 115.2#
121 36.2 24.7 37.1



#39
Methylcyclohexane
Concen: 4.100 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.219 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Tgt Ion: 83 Resp: 19621
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 204.2 37.3 55.9#





#44

Trichloroethene

Concen: 525.310 ug/l

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049577.D

Acq: 30 Jun 2022 20:41

Instrument :

MSVOA_U

ClientSampleId :

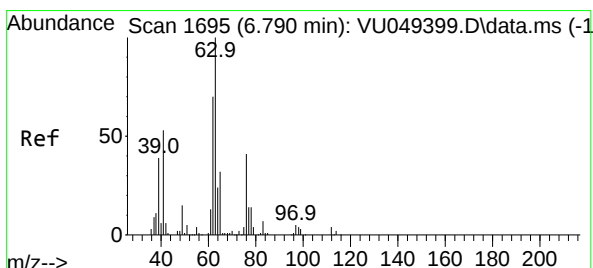
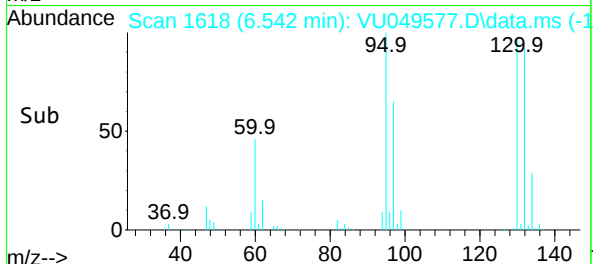
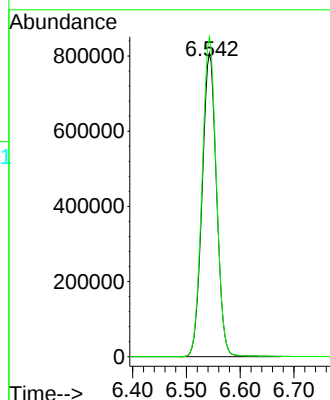
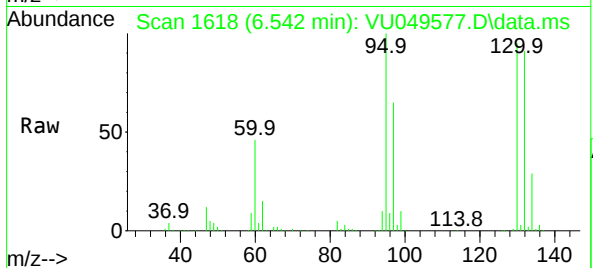
RE120D1-20220622

Tgt Ion:130 Resp: 1505462

Ion Ratio Lower Upper

130 100

95 105.4 0.0 184.6



#45

1,2-Dichloropropane

Concen: 1.541 ug/l

RT: 6.539 min Scan# 1617

Delta R.T. -0.251 min

Lab File: VU049577.D

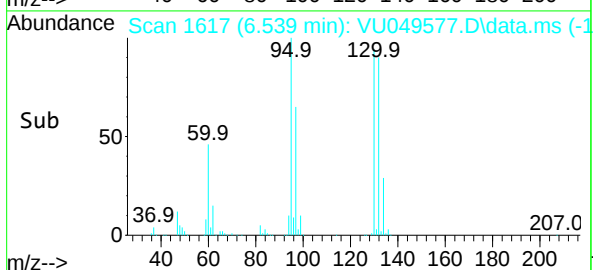
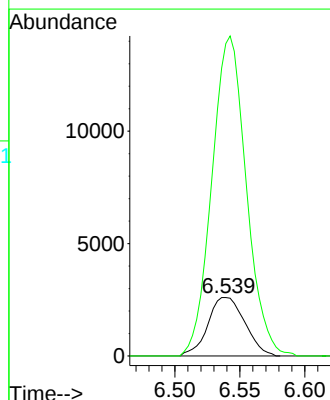
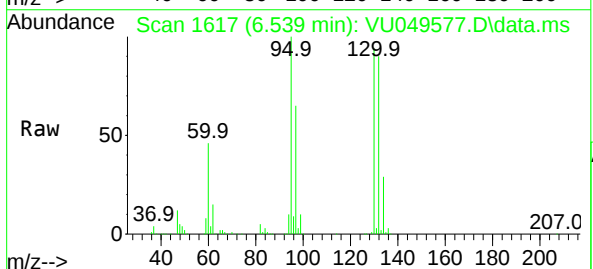
Acq: 30 Jun 2022 20:41

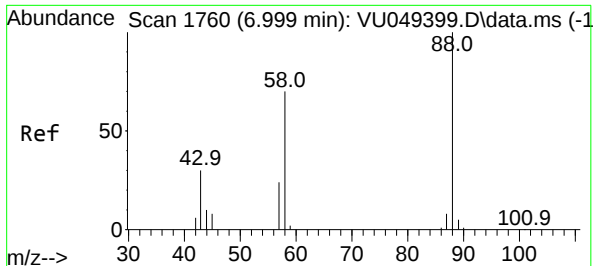
Tgt Ion: 63 Resp: 5146

Ion Ratio Lower Upper

63 100

65 533.9 25.0 37.4#

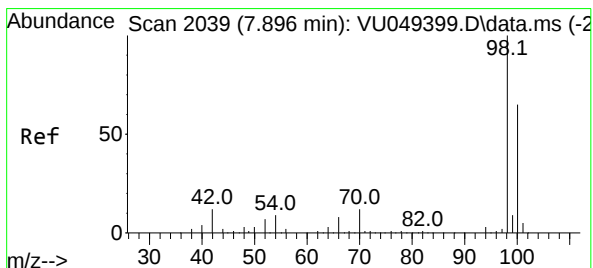
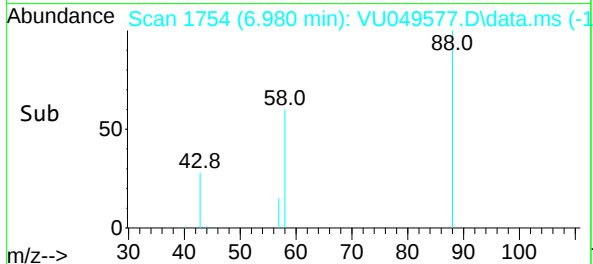
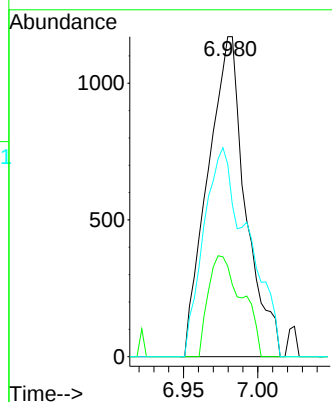
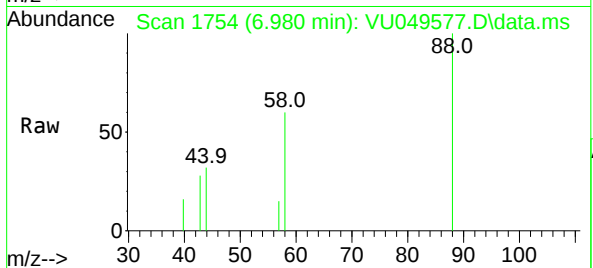




#49
1,4-Dioxane
Concen: 21.564 ug/l
RT: 6.980 min Scan# 1754
Delta R.T. -0.019 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

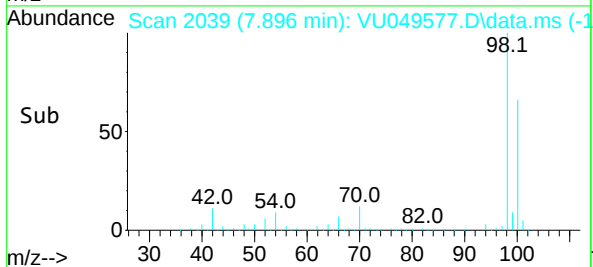
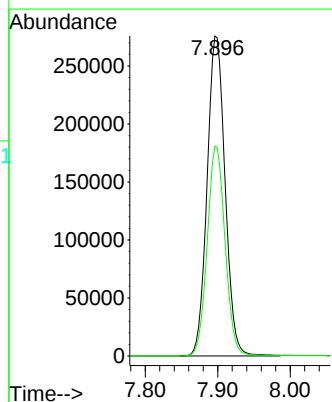
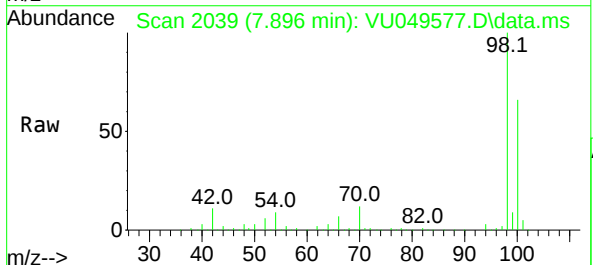
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622

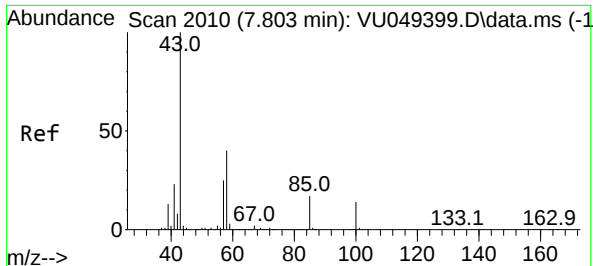
Tgt Ion: 88 Resp: 2070
Ion Ratio Lower Upper
88 100
43 28.0 0.0 0.0#
58 76.9 15.4 23.0#



#50
Toluene-d8
Concen: 48.425 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Tgt Ion: 98 Resp: 475639
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.370 ug/l

RT: 7.896 min Scan# 2010

Delta R.T. 0.093 min

Lab File: VU049577.D

Acq: 30 Jun 2022 20:41

Instrument :

MSVOA_U

ClientSampleId :

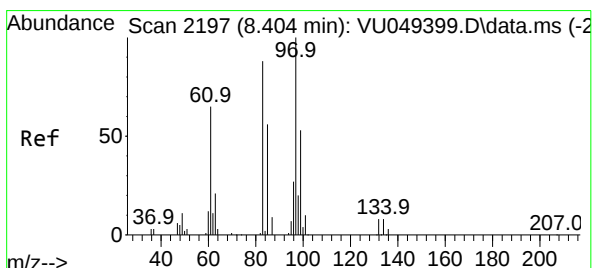
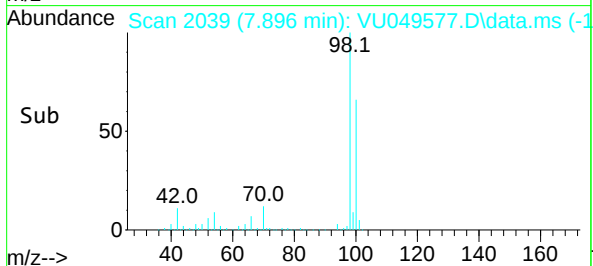
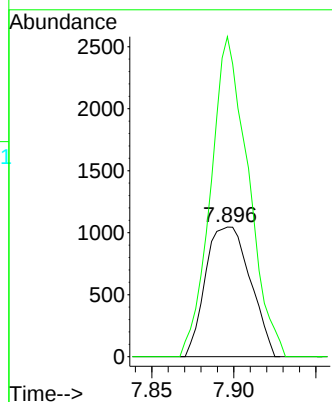
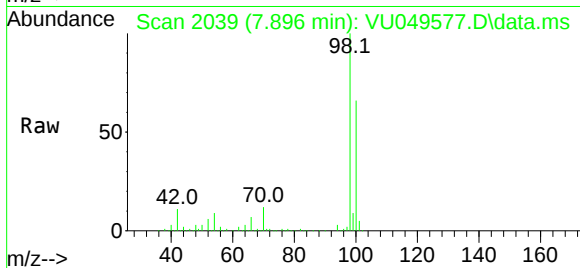
RE120D1-20220622

Tgt Ion: 43 Resp: 1981

Ion Ratio Lower Upper

43 100

58 207.2 34.7 52.1#



#55

1,1,2-Trichloroethane

Concen: 0.338 ug/l

RT: 8.401 min Scan# 2196

Delta R.T. -0.003 min

Lab File: VU049577.D

Acq: 30 Jun 2022 20:41

Tgt Ion: 97 Resp: 1002

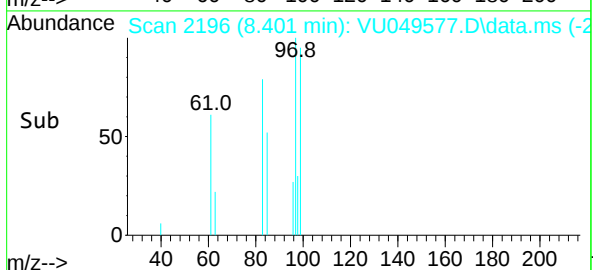
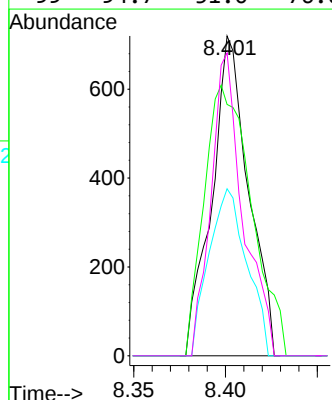
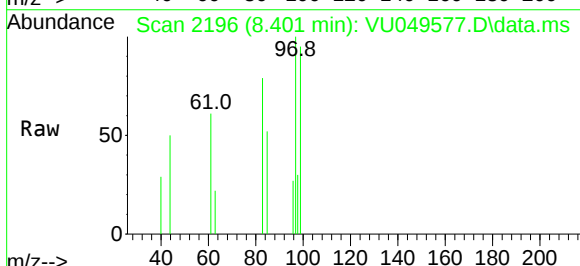
Ion Ratio Lower Upper

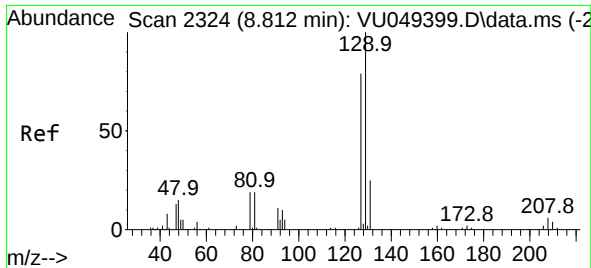
97 100

83 78.6 70.2 105.4

85 52.2 44.6 66.8

99 94.7 51.0 76.6#

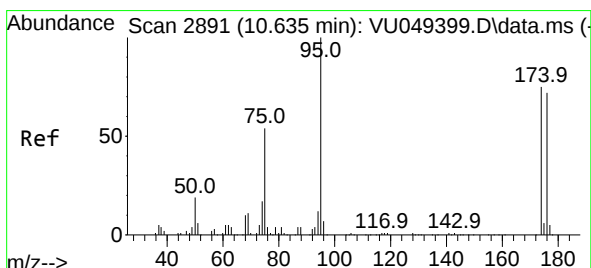
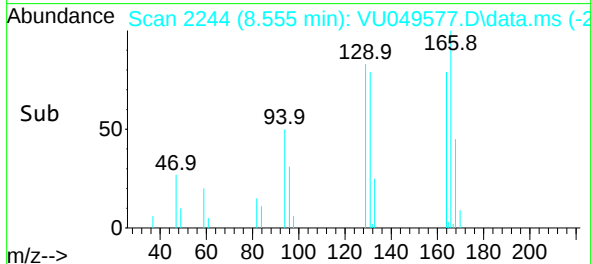
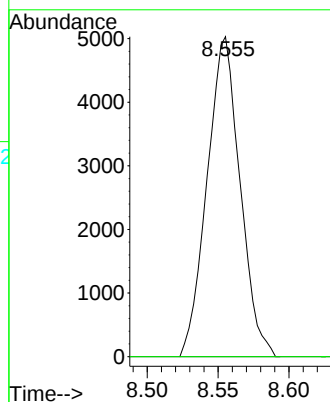
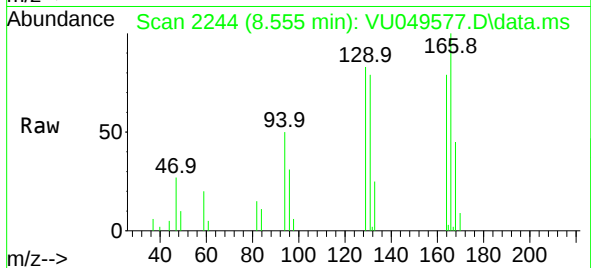




#60
Dibromochloromethane
Concen: 2.644 ug/l
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

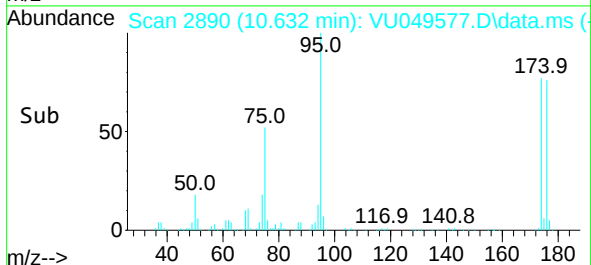
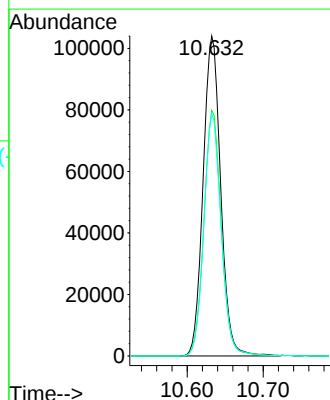
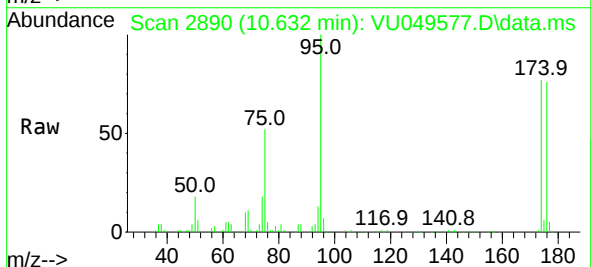
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622

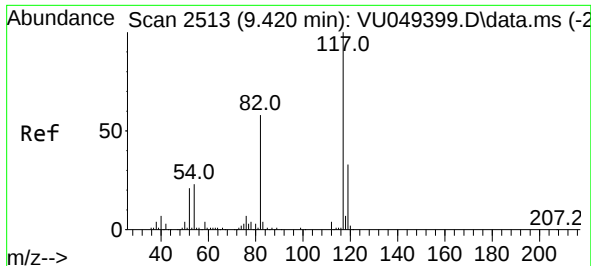
Tgt Ion:129 Resp: 8147
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 44.416 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Tgt Ion: 95 Resp: 167119
Ion Ratio Lower Upper
95 100
174 76.2 0.0 182.0
176 74.7 0.0 177.8

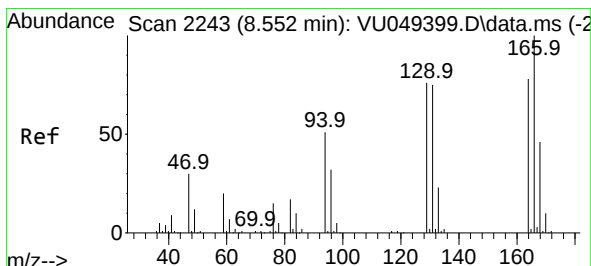
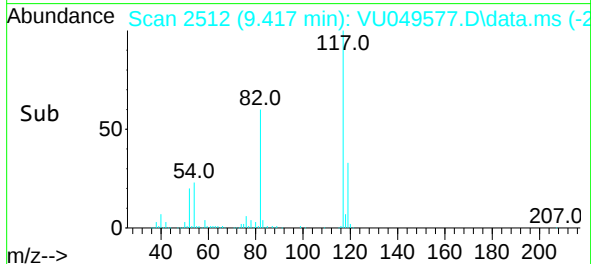
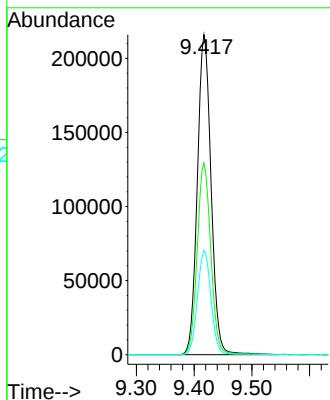
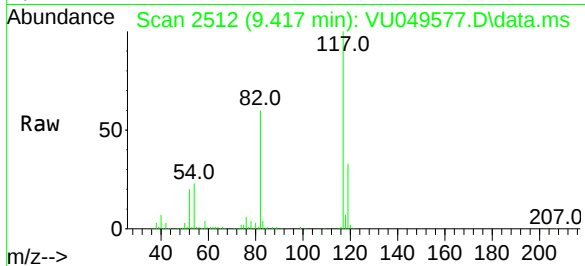




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

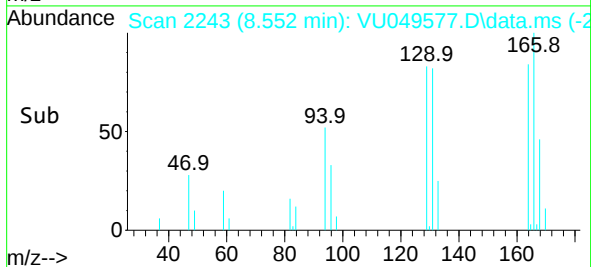
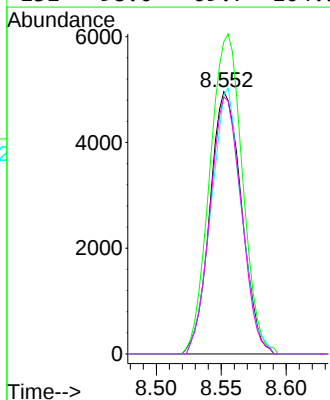
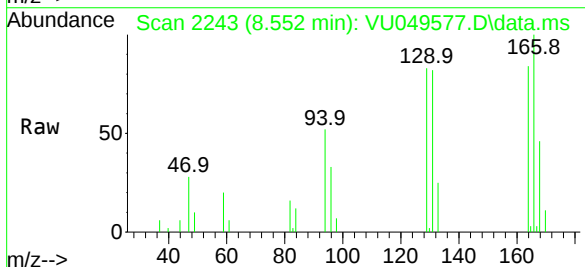
Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622

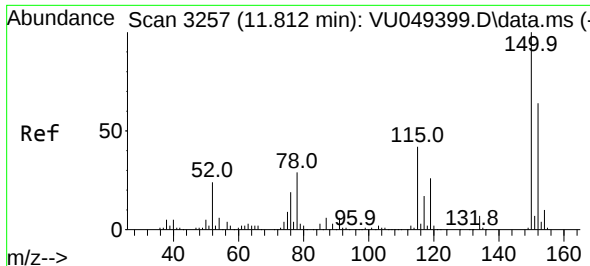
Tgt Ion:117 Resp: 356108
Ion Ratio Lower Upper
117 100
82 59.9 41.7 62.5
119 32.6 25.7 38.5



#64
Tetrachloroethene
Concen: 3.675 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Tgt Ion:164 Resp: 8393
Ion Ratio Lower Upper
164 100
166 119.0 100.0 150.0
129 98.8 72.0 108.0
131 98.0 69.7 104.5

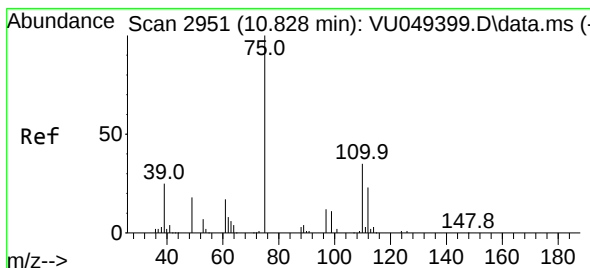
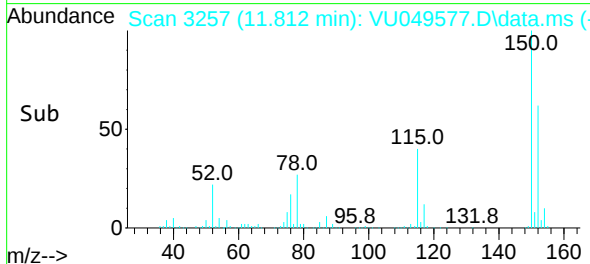
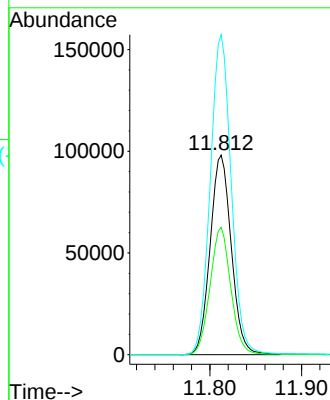
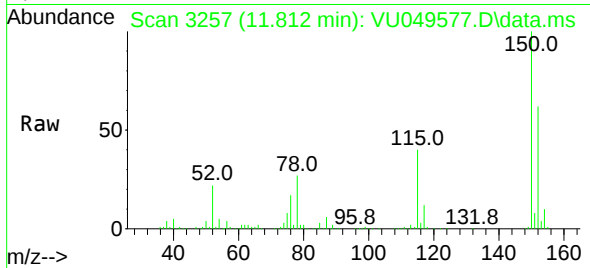




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049577.D
 Acq: 30 Jun 2022 20:41

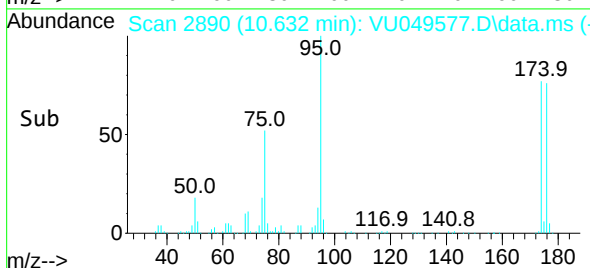
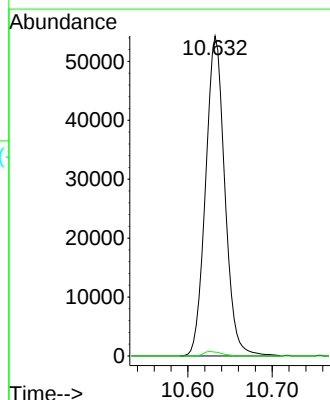
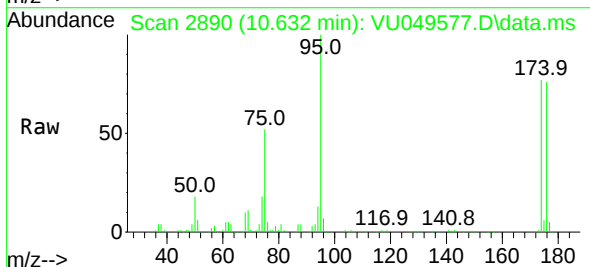
Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D1-20220622

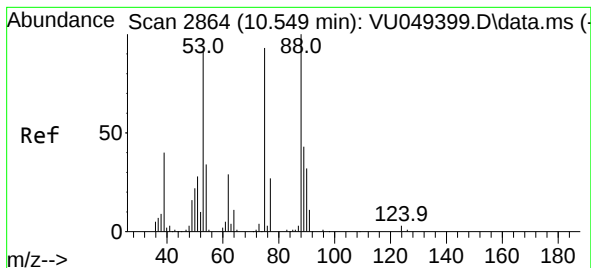
Tgt Ion:152 Resp: 157575
 Ion Ratio Lower Upper
 152 100
 115 62.5 37.0 110.9
 150 158.4 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.154 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049577.D
 Acq: 30 Jun 2022 20:41

Tgt Ion: 75 Resp: 86287
 Ion Ratio Lower Upper
 75 100
 77 1.3 15.8 47.3#

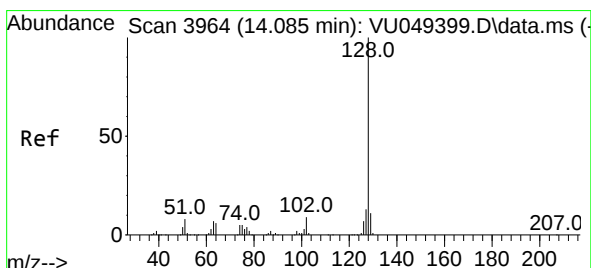
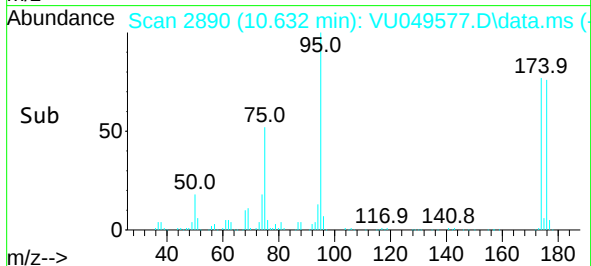
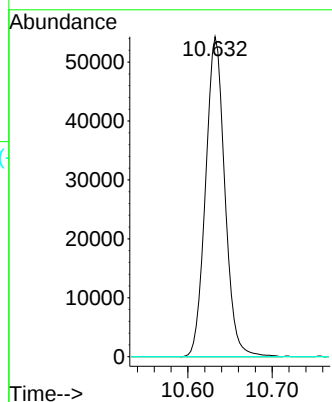
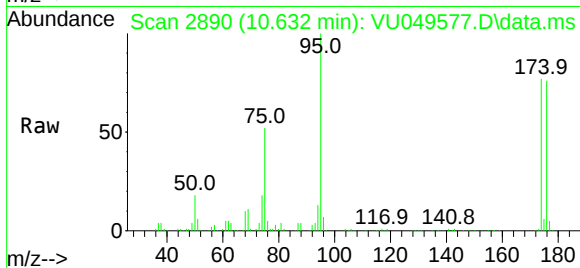




#81
trans-1,4-Dichloro-2-butene
Concen: 59.653 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Instrument :
MSVOA_U
ClientSampleId :
RE120D1-20220622

Tgt Ion: 75 Resp: 86287
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.759 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.019 min
Lab File: VU049577.D
Acq: 30 Jun 2022 20:41

Tgt Ion: 128 Resp: 298
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

