

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054340.D
 Acq On : 31 May 2023 16:12
 Operator : JC/MD
 Sample : 02912-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EB02-20230523

Quant Time: Jun 01 05:22:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

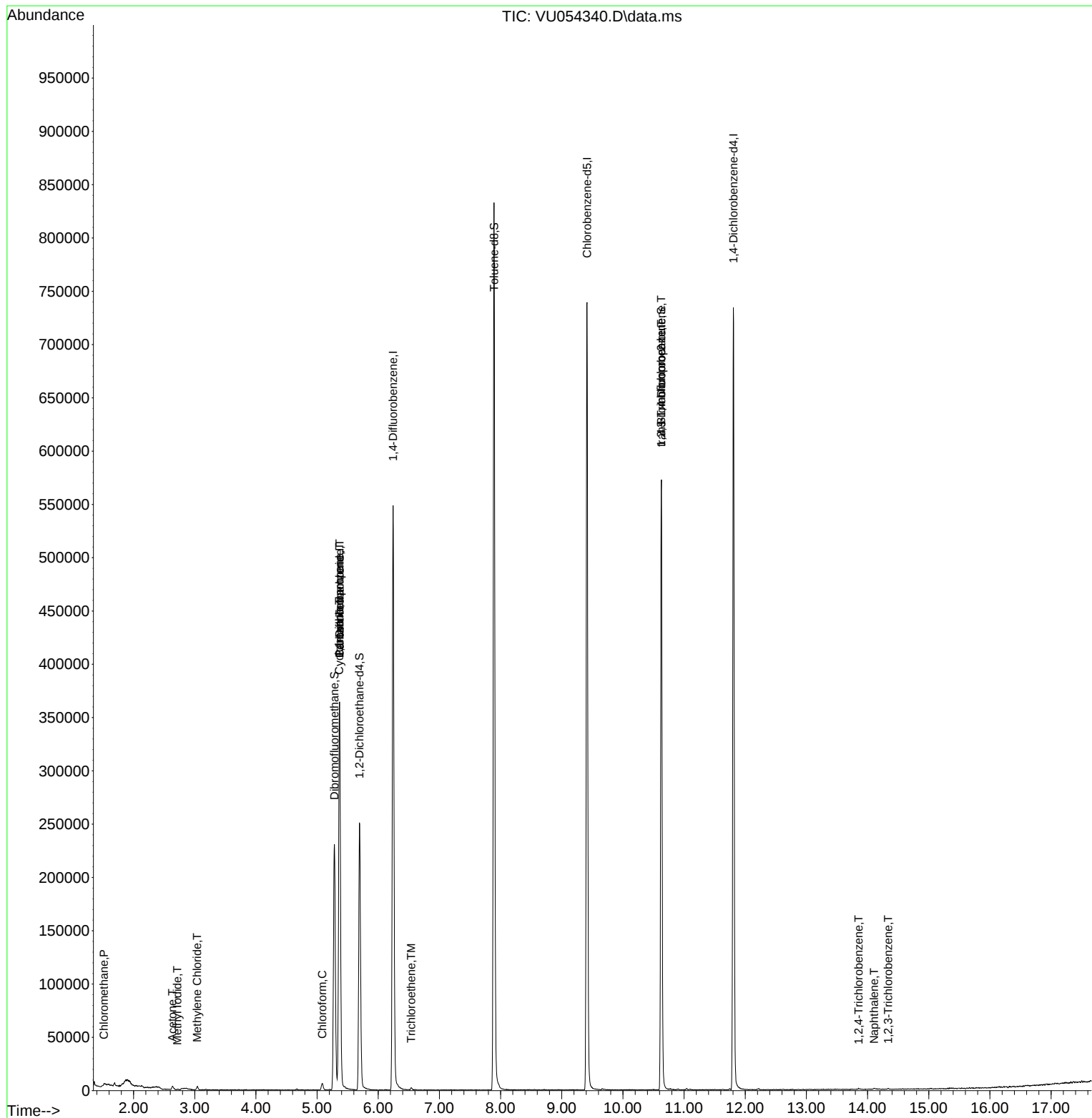
Internal Standards						
1) Pentafluorobenzene	5.369	168	268349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	455644	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	426622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	203202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	187024	53.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.340%			
35) Dibromofluoromethane	5.282	113	152854	52.093	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	7.893	98	563512	50.490	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.980%			
62) 4-Bromofluorobenzene	10.629	95	192932	44.582	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.160%			
Target Compounds						Qvalue
3) Chloromethane	1.517	50	835	0.213	ug/l	94
10) Methyl Iodide	2.716	142	203	2.389	ug/l #	43
16) Acetone	2.636	43	4016	1.992	ug/l	91
20) Methylene Chloride	3.038	84	1385	0.381	ug/l #	74
30) Chloroform	5.086	83	5909	1.023	ug/l	90
31) Cyclohexane	5.362	56	5285	1.064	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	21128	4.584	ug/l #	48
38) Carbon Tetrachloride	5.369	117	26371	5.590	ug/l #	16
44) Trichloroethene	6.539	130	795	0.216	ug/l	68
76) 1,2,3-Trichloropropane	10.626	75	97537	16.446	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.626	75	97537	62.627	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.851	180	566	1.760	ug/l	88
95) Naphthalene	14.108	128	1777	2.105	ug/l #	77
96) 1,2,3-Trichlorobenzene	14.336	180	421	1.343	ug/l	85

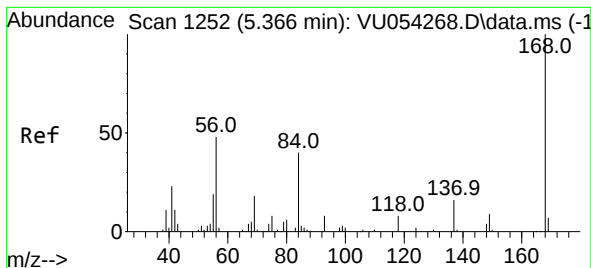
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 26 06:40:51 2023
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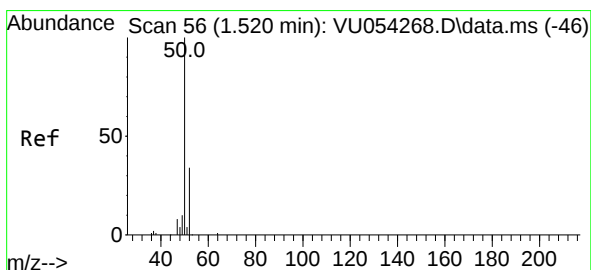
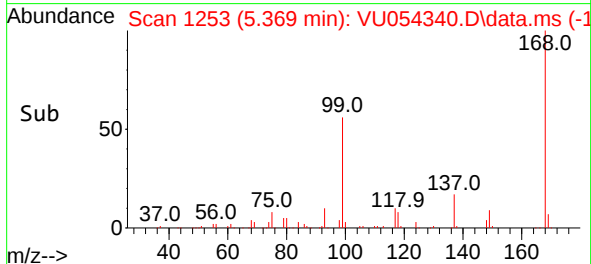
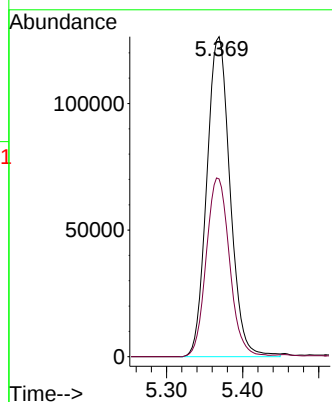
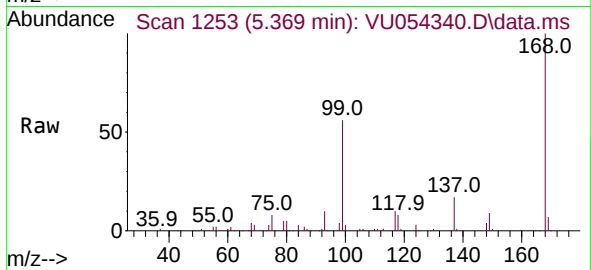




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

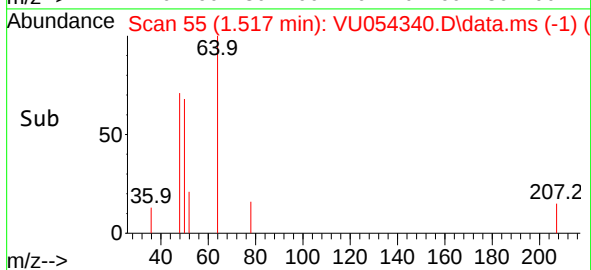
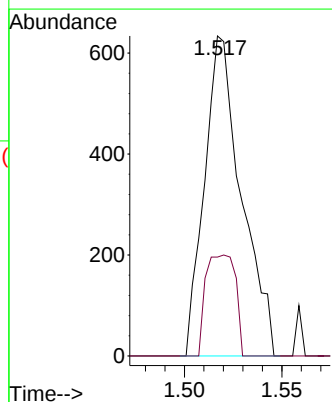
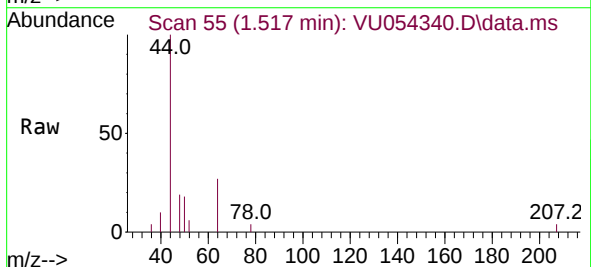
Instrument :
MSVOA_U
ClientSampleId :
EB02-20230523

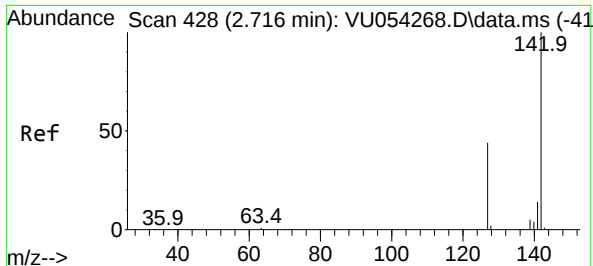
Tgt Ion:168 Resp: 268349
Ion Ratio Lower Upper
168 100
99 55.6 39.3 58.9



#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

Tgt Ion: 50 Resp: 835
Ion Ratio Lower Upper
50 100
52 30.9 27.4 41.2

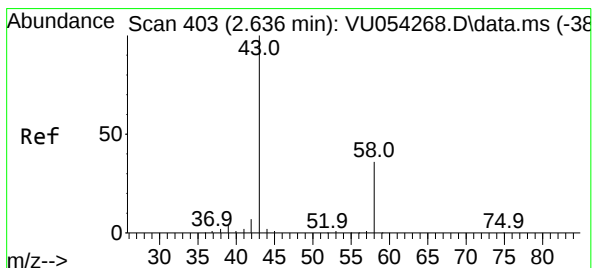
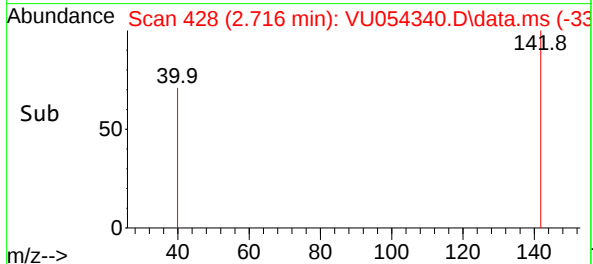
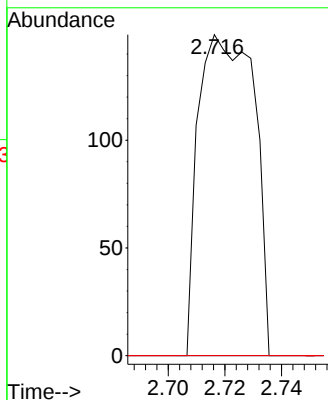
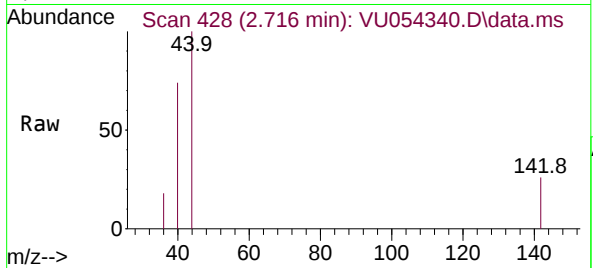




#10
Methyl Iodide
Concen: 2.389 ug/l
RT: 2.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

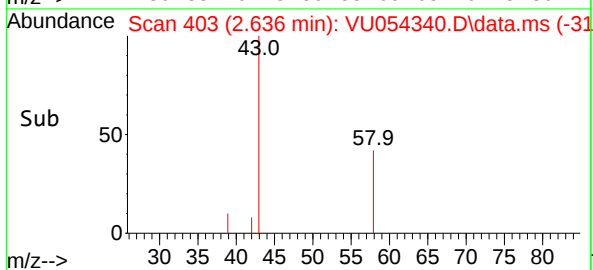
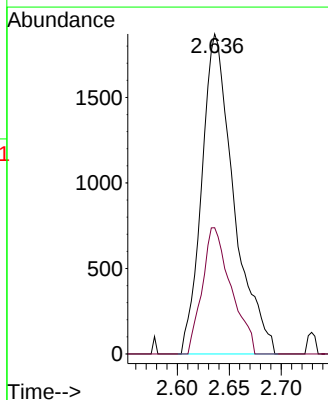
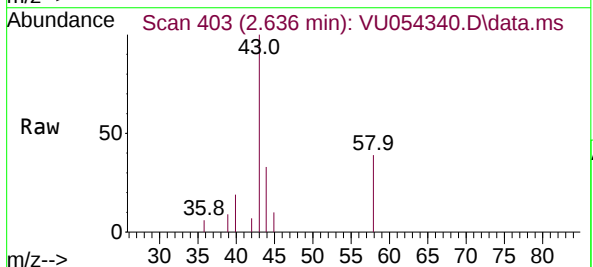
Instrument :
MSVOA_U
ClientSampleId :
EB02-20230523

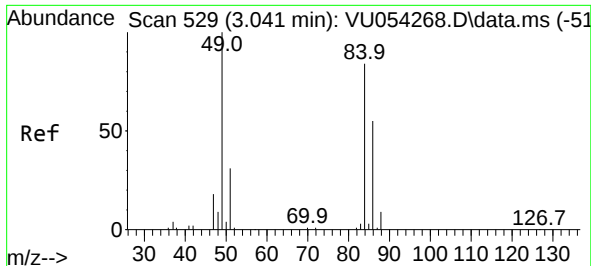
Tgt Ion:142 Resp: 203
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 1.992 ug/l
RT: 2.636 min Scan# 403
Delta R.T. -0.000 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

Tgt Ion: 43 Resp: 4016
Ion Ratio Lower Upper
43 100
58 39.4 27.5 41.3

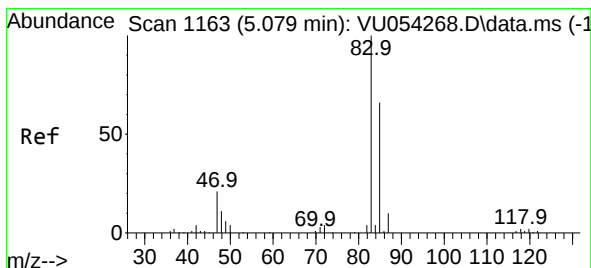
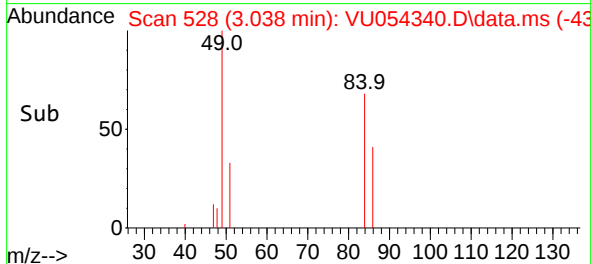
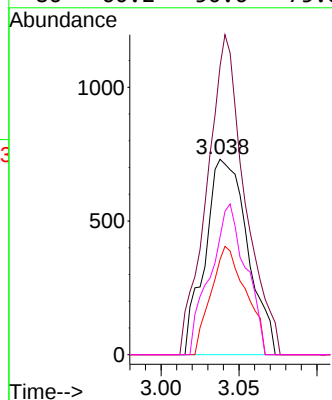
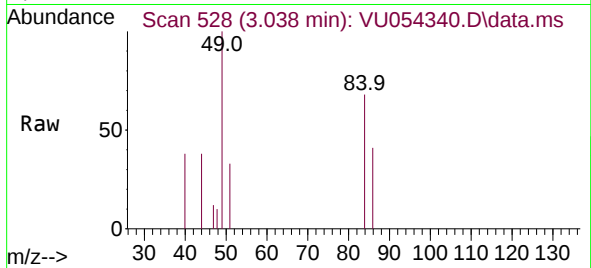




#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 3.038 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

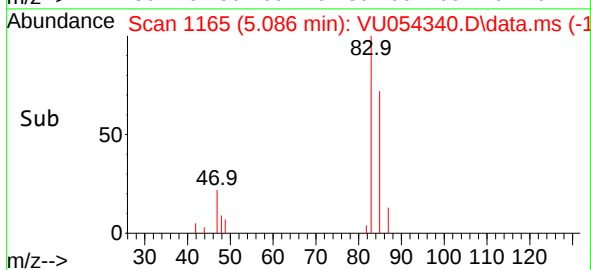
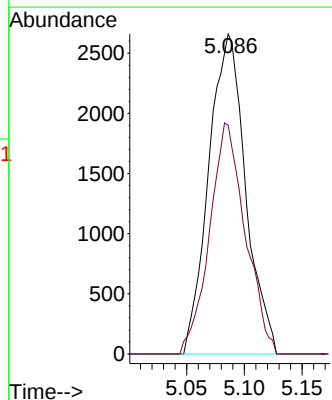
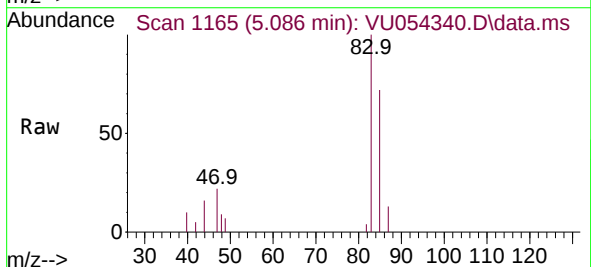
Instrument :
MSVOA_U
ClientSampleId :
EB02-20230523

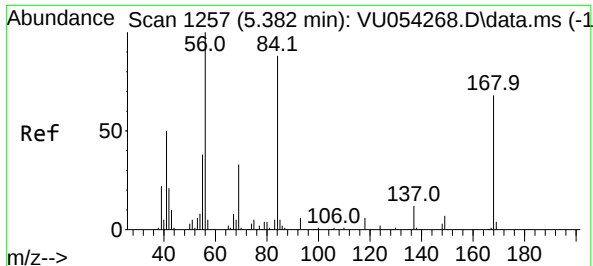
Tgt Ion: 84	Resp: 1385
Ion Ratio	Lower Upper
84	100
49	147.6 86.6 129.8#
51	48.7 26.6 40.0#
86	60.2 50.6 75.8



#30
Chloroform
Concen: 1.023 ug/l
RT: 5.086 min Scan# 1165
Delta R.T. 0.007 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

Tgt Ion: 83	Resp: 5909
Ion Ratio	Lower Upper
83	100
85	71.5 51.2 76.8





#31

Cyclohexane

Concen: 1.064 ug/l

RT: 5.362 min Scan# 1

Delta R.T. -0.020 min

Lab File: VU054340.D

Acq: 31 May 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

EB02-20230523

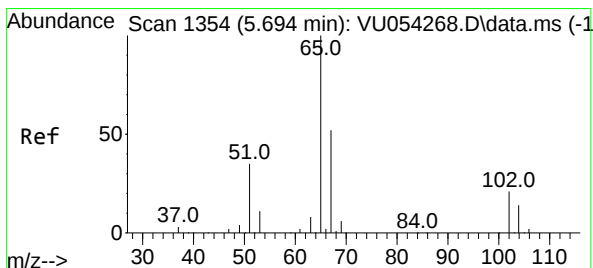
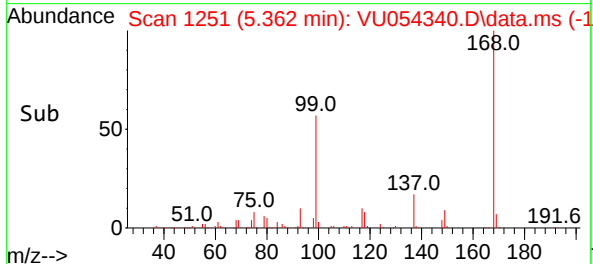
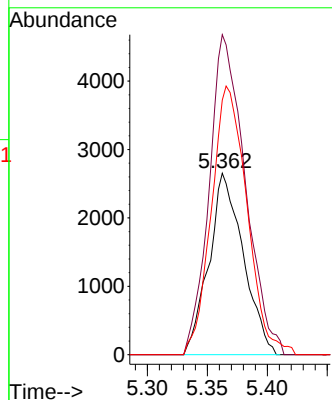
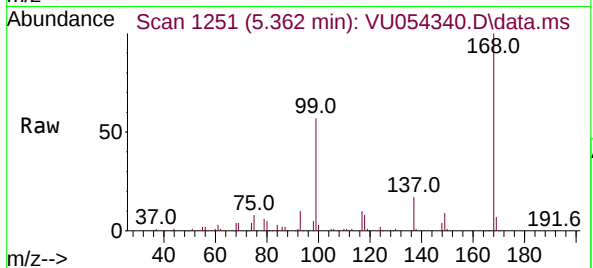
Tgt Ion: 56 Resp: 5285

Ion Ratio Lower Upper

56 100

69 176.3 27.8 41.8#

84 140.2 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 53.165 ug/l

RT: 5.694 min Scan# 1354

Delta R.T. -0.000 min

Lab File: VU054340.D

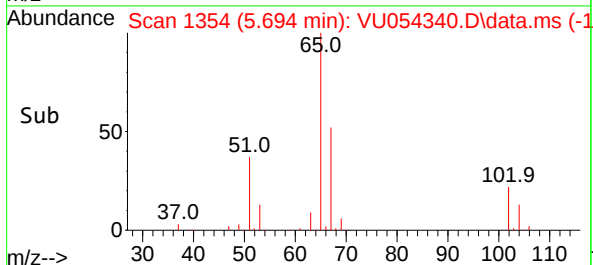
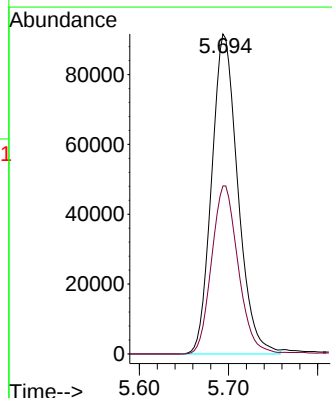
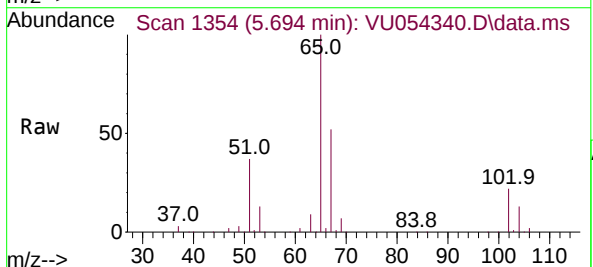
Acq: 31 May 2023 16:12

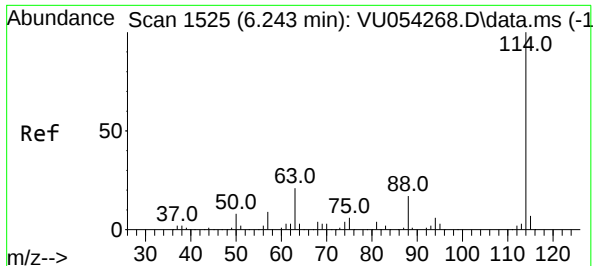
Tgt Ion: 65 Resp: 187024

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054340.D

Acq: 31 May 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

EB02-20230523

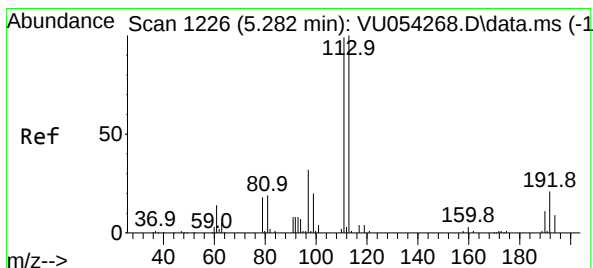
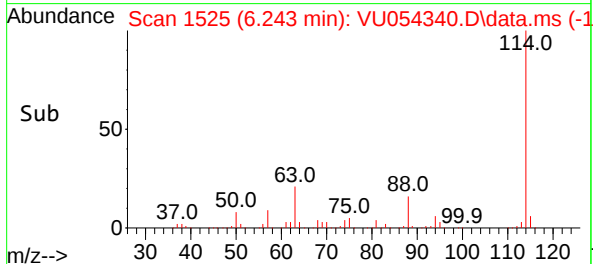
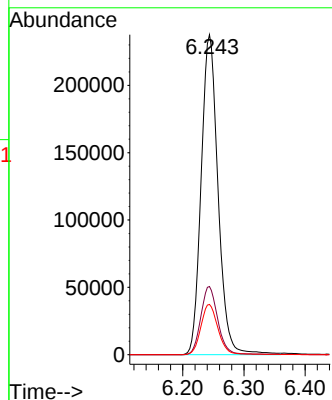
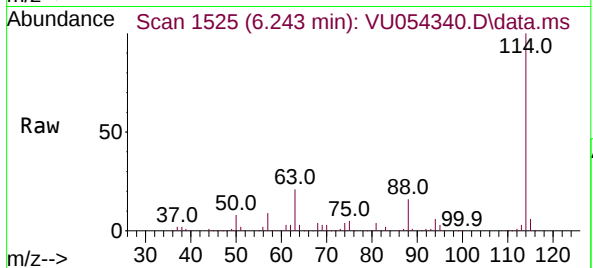
Tgt Ion:114 Resp: 455644

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

88 15.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 52.093 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054340.D

Acq: 31 May 2023 16:12

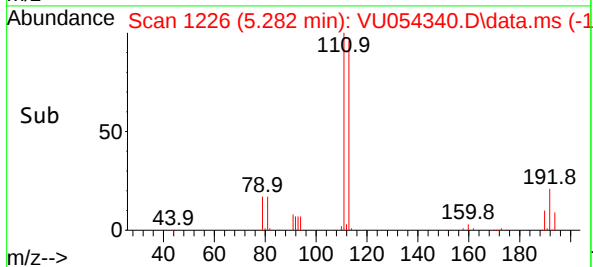
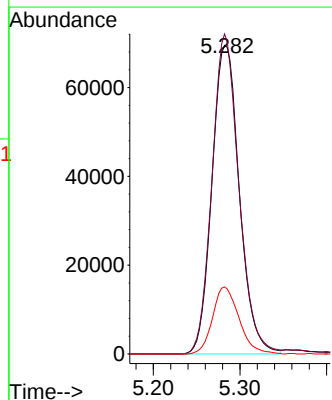
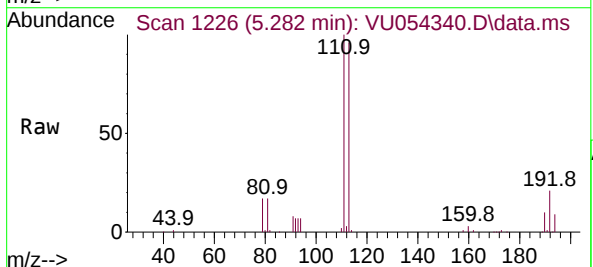
Tgt Ion:113 Resp: 152854

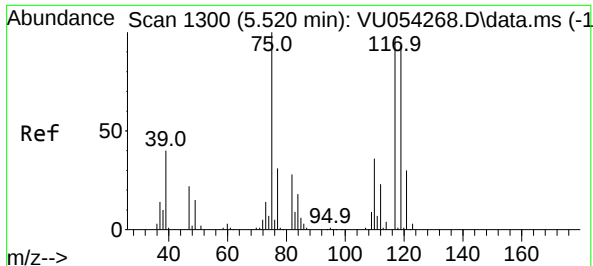
Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

192 21.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.584 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054340.D

Acq: 31 May 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

EB02-20230523

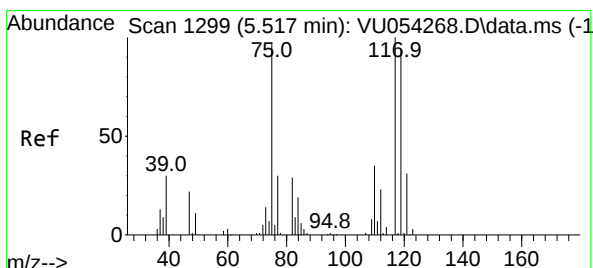
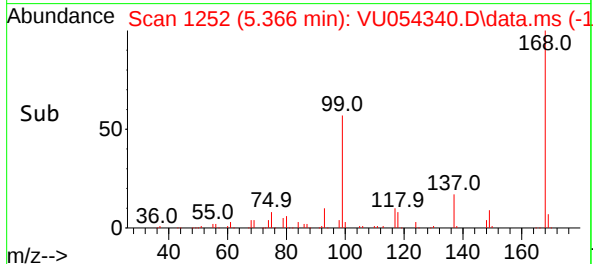
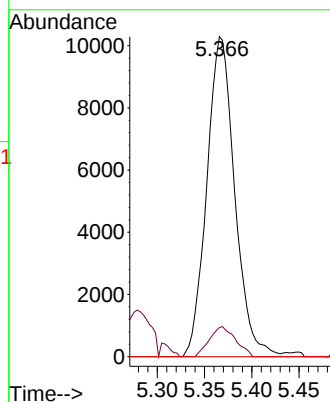
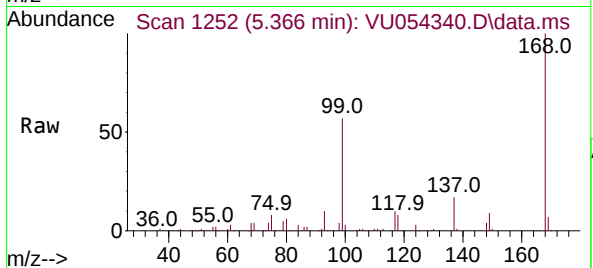
Tgt Ion: 75 Resp: 21128

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.590 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.148 min

Lab File: VU054340.D

Acq: 31 May 2023 16:12

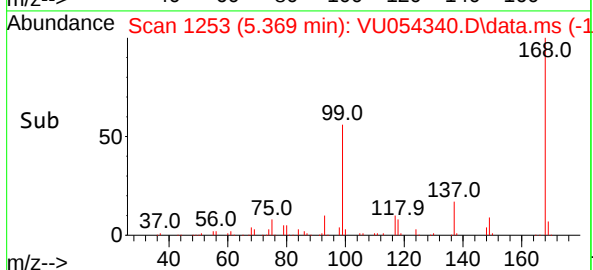
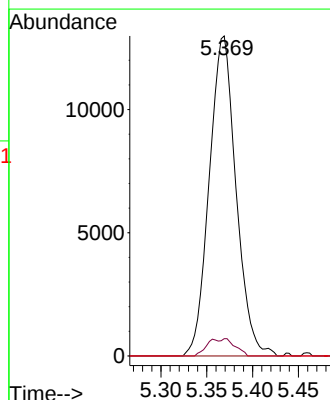
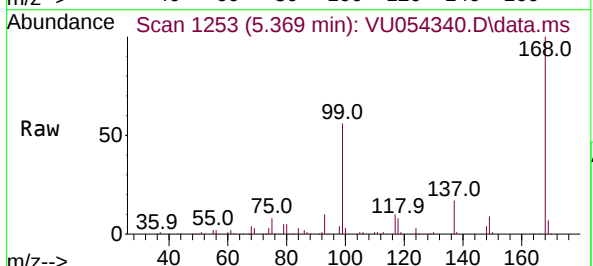
Tgt Ion: 117 Resp: 26371

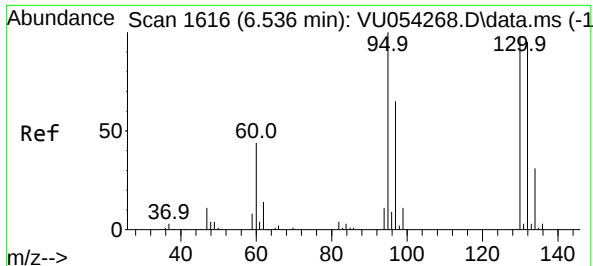
Ion Ratio Lower Upper

117 100

119 5.4 76.8 115.2#

121 0.0 24.7 37.1#

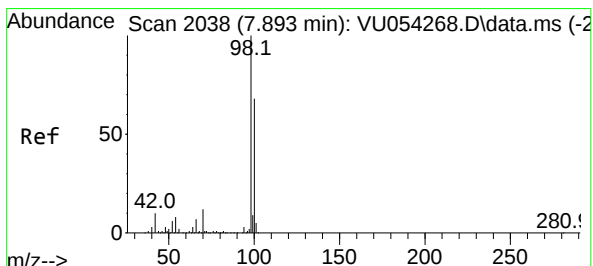
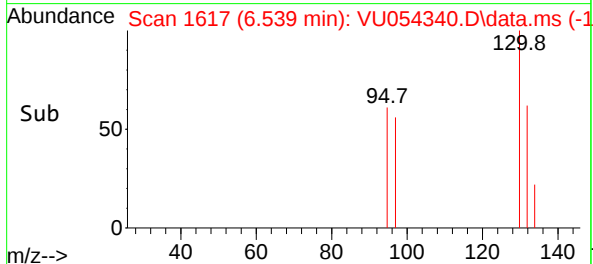
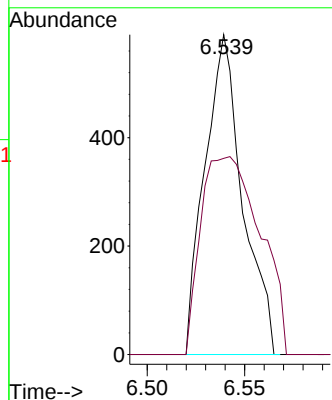
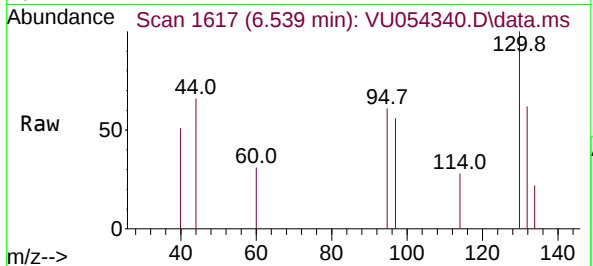




#44
Trichloroethene
Concen: 0.216 ug/l
RT: 6.539 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

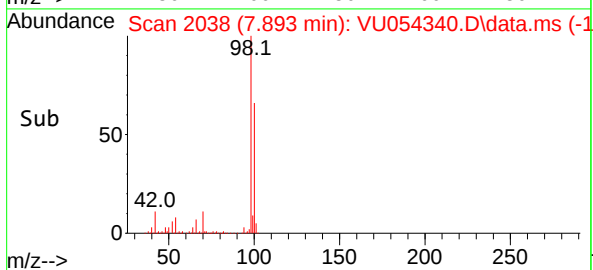
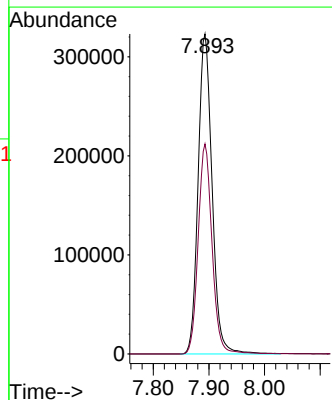
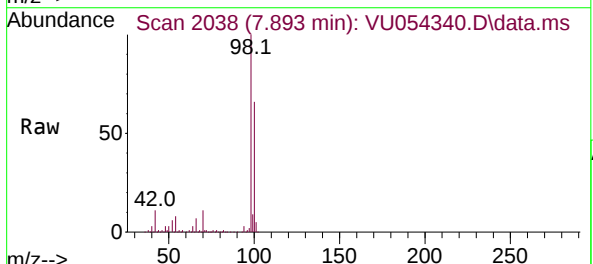
Instrument :
MSVOA_U
ClientSampleId :
EB02-20230523

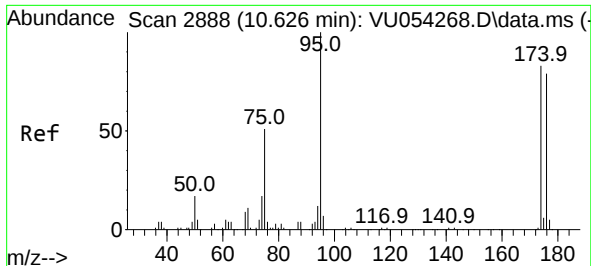
Tgt Ion:130 Resp: 795
Ion Ratio Lower Upper
130 100
95 61.4 0.0 184.6



#50
Toluene-d8
Concen: 50.490 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

Tgt Ion: 98 Resp: 563512
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

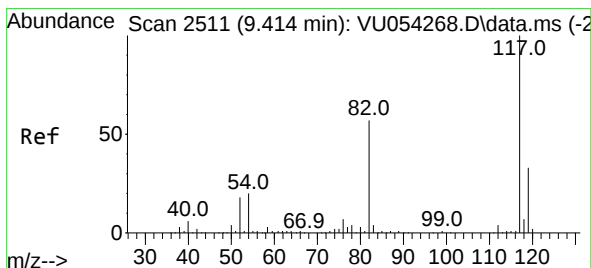
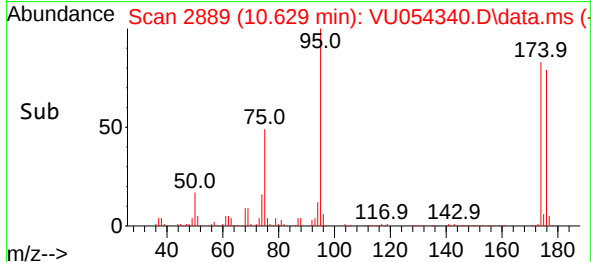
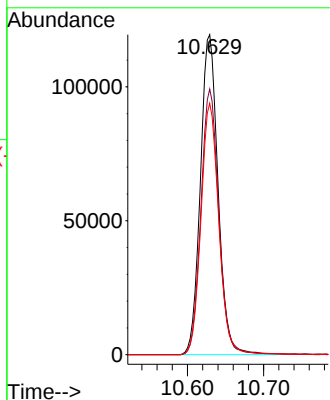
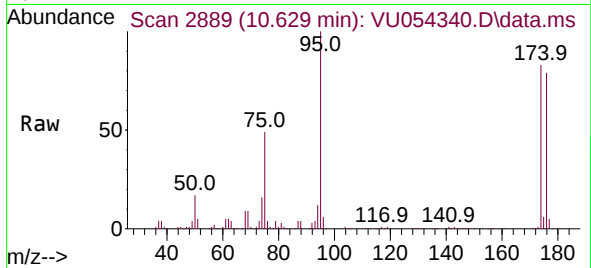




#62
4-Bromofluorobenzene
Concen: 44.582 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

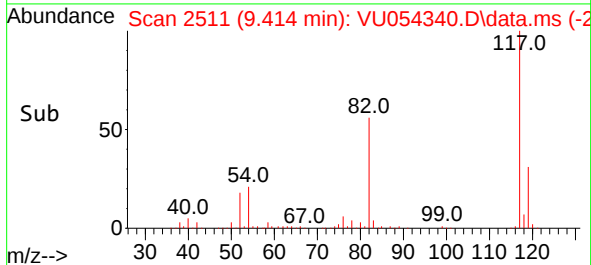
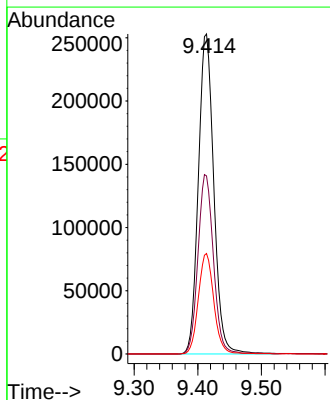
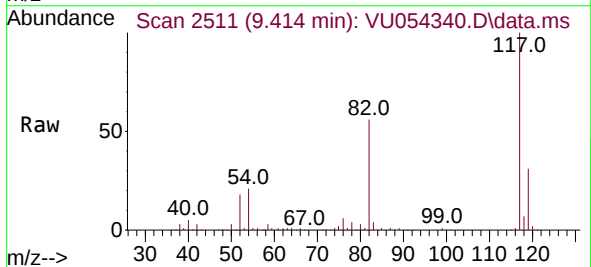
Instrument :
MSVOA_U
ClientSampleId :
EB02-20230523

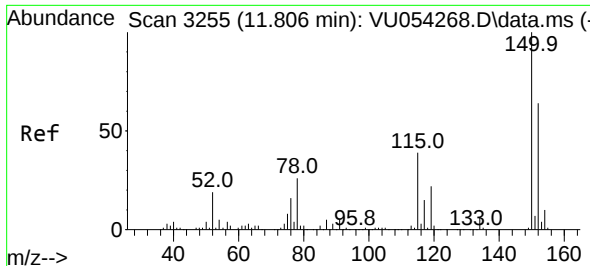
Tgt Ion: 95 Resp: 192932
Ion Ratio Lower Upper
95 100
174 84.1 0.0 182.0
176 78.8 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

Tgt Ion: 117 Resp: 426622
Ion Ratio Lower Upper
117 100
82 55.7 41.7 62.5
119 31.4 25.7 38.5

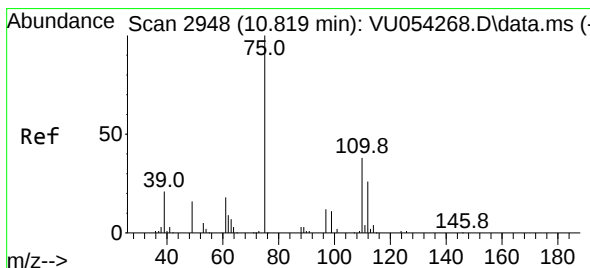
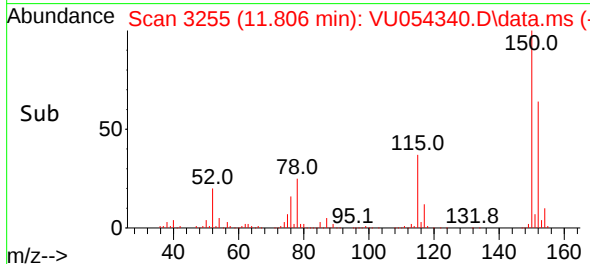
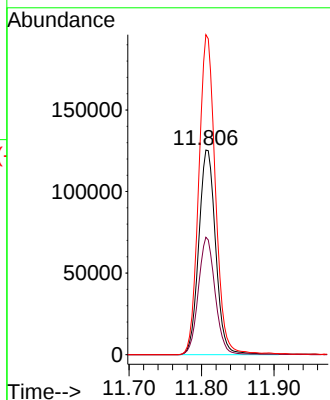
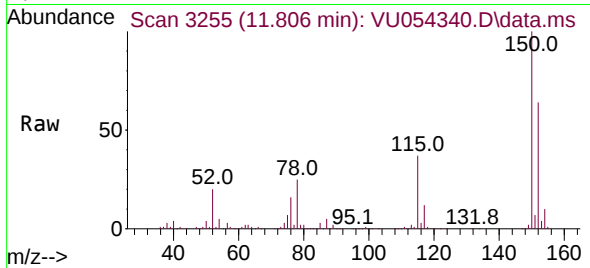




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054340.D
 Acq: 31 May 2023 16:12

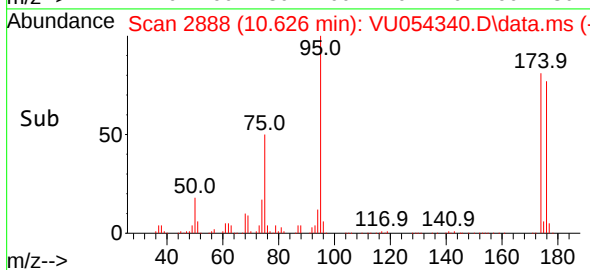
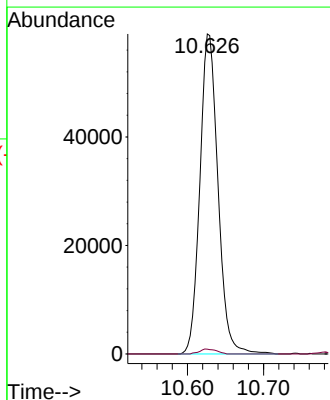
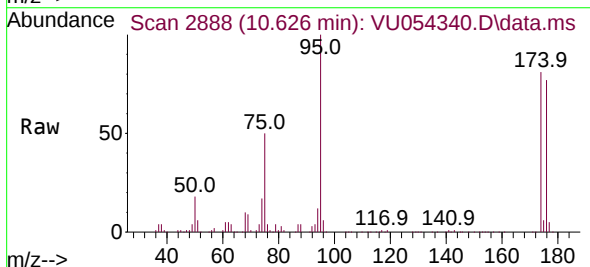
Instrument :
 MSVOA_U
 ClientSampleId :
 EB02-20230523

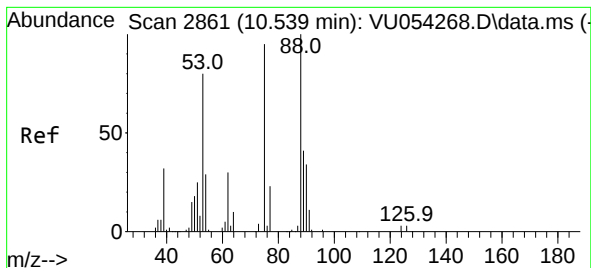
Tgt Ion:152 Resp: 203202
 Ion Ratio Lower Upper
 152 100
 115 57.1 37.0 110.9
 150 153.9 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.446 ug/l
 RT: 10.626 min Scan# 2888
 Delta R.T. -0.193 min
 Lab File: VU054340.D
 Acq: 31 May 2023 16:12

Tgt Ion: 75 Resp: 97537
 Ion Ratio Lower Upper
 75 100
 77 1.4 15.8 47.3#

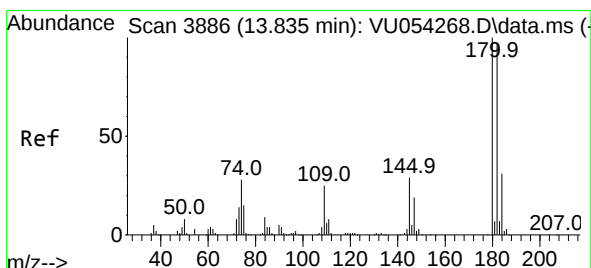
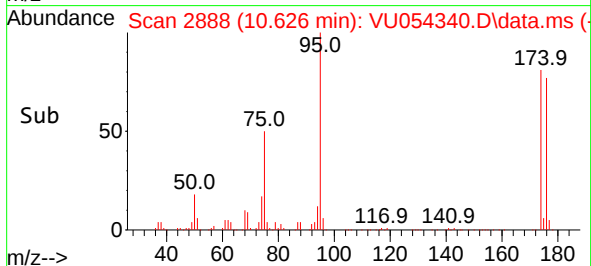
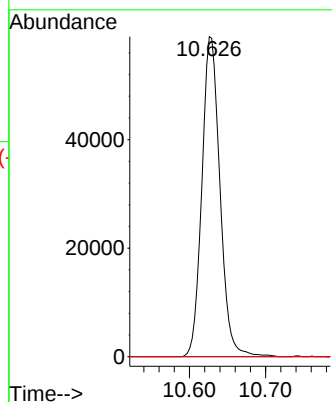
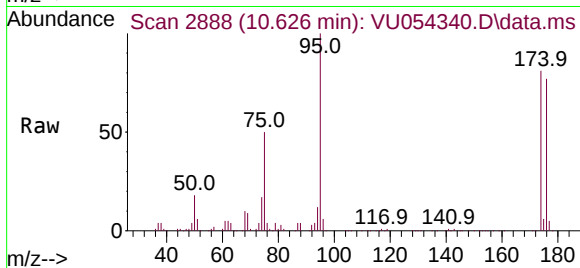




#81
trans-1,4-Dichloro-2-butene
Concen: 62.627 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

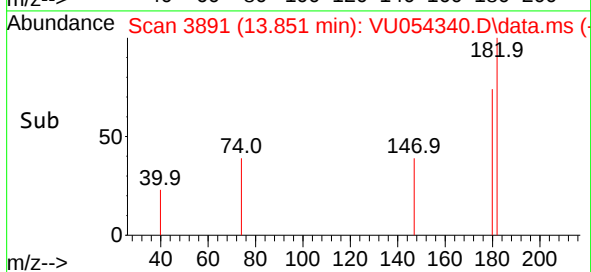
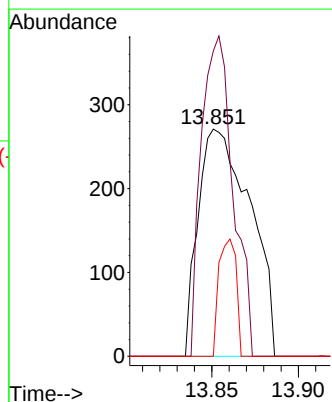
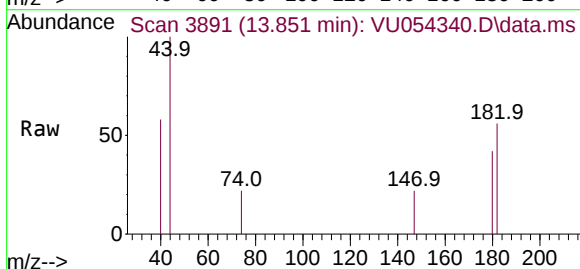
Instrument :
MSVOA_U
ClientSampleId :
EB02-20230523

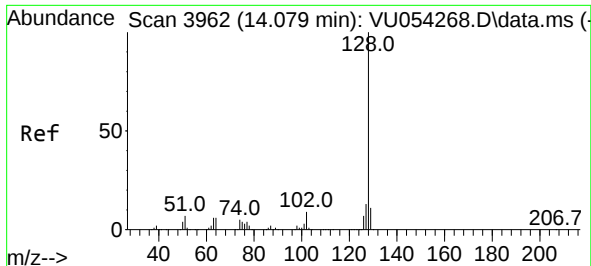
Tgt Ion: 75 Resp: 97537
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.760 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.016 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

Tgt Ion:180 Resp: 566
Ion Ratio Lower Upper
180 100
182 85.9 47.9 143.6
145 17.1 14.0 41.9

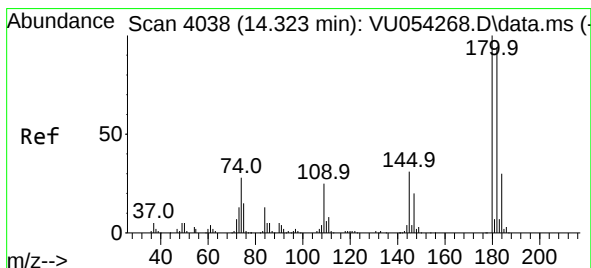
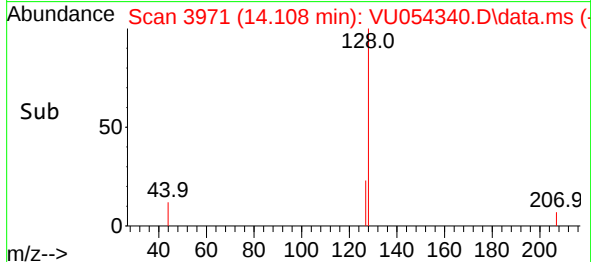
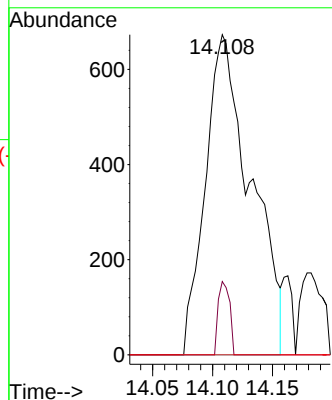
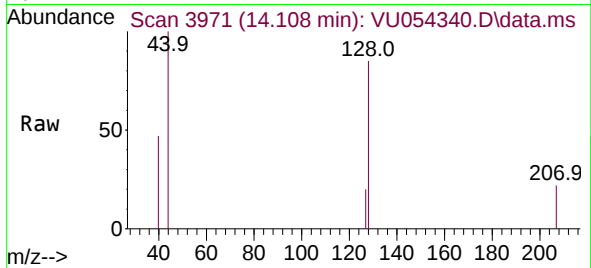




#95
Naphthalene
Concen: 2.105 ug/l
RT: 14.108 min Scan# 3962
Delta R.T. 0.029 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

Instrument :
MSVOA_U
ClientSampleId :
EB02-20230523

Tgt Ion:128 Resp: 1777
Ion Ratio Lower Upper
128 100
127 5.7 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.343 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.013 min
Lab File: VU054340.D
Acq: 31 May 2023 16:12

Tgt Ion:180 Resp: 421
Ion Ratio Lower Upper
180 100
182 82.2 48.4 145.0
145 20.4 14.8 44.4

