

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054290.D
 Acq On : 26 May 2023 17:01
 Operator : JC/MD
 Sample : 02936-12 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 15BR-20230524

Quant Time: May 30 00:03:47 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)

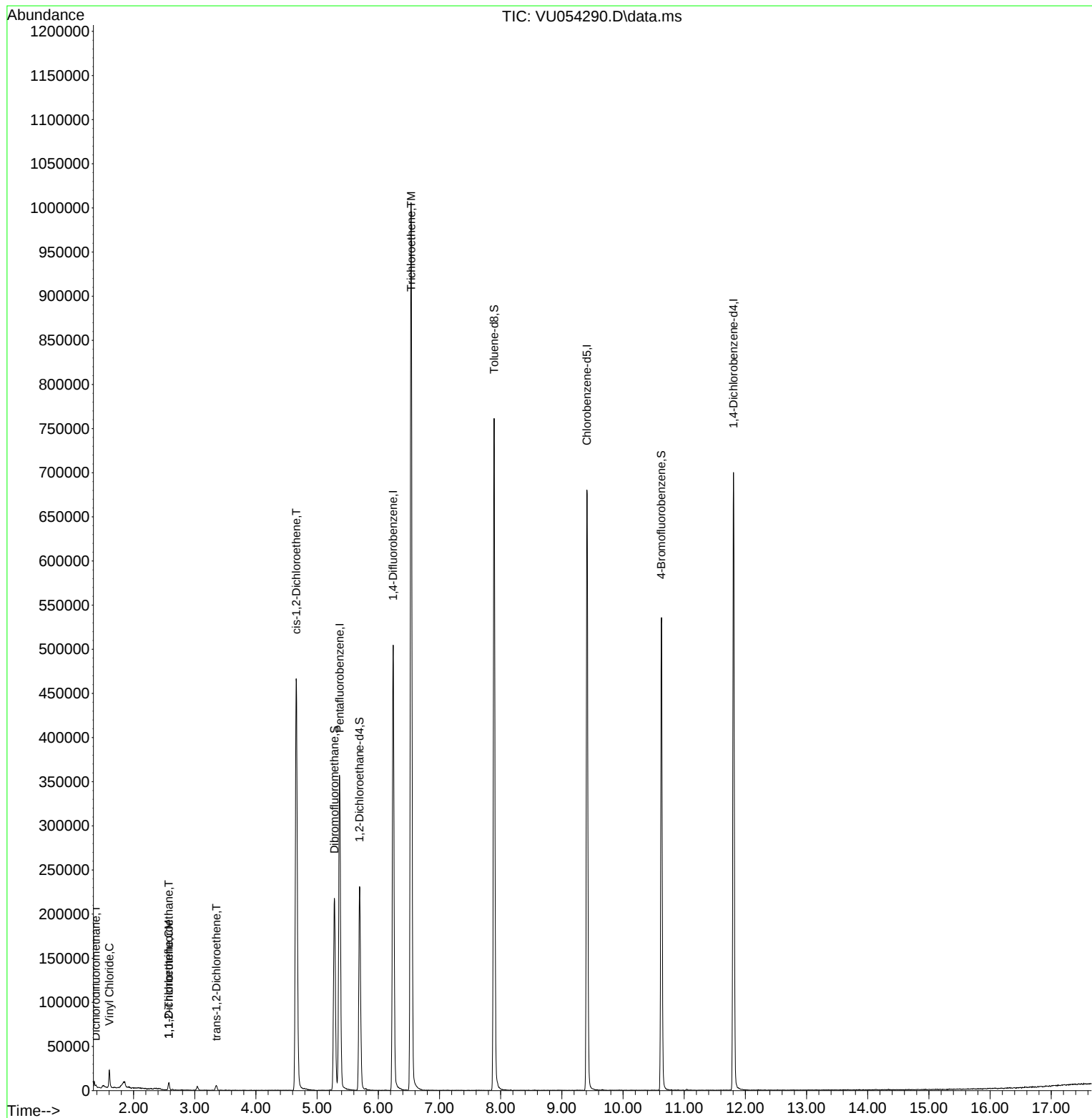
Internal Standards						
1) Pentafluorobenzene	5.369	168	258798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	416522	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	390879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	197088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.693	65	172431	50.826	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.660%	
35) Dibromofluoromethane	5.282	113	142571	53.152	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.300%	
50) Toluene-d8	7.893	98	515885	50.564	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	10.626	95	183090	46.282	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.560%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	1399	0.484	ug/l	93
4) Vinyl Chloride	1.604	62	14864	4.118	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.575	101	1448	0.539	ug/l #	73
12) 1,1-Dichloroethene	2.575	96	1984	0.713	ug/l	90
21) trans-1,2-Dichloroethene	3.353	96	2516	0.844	ug/l #	80
27) cis-1,2-Dichloroethene	4.658	96	256031	77.225	ug/l	94
44) Trichloroethene	6.536	130	353396	105.201	ug/l	93

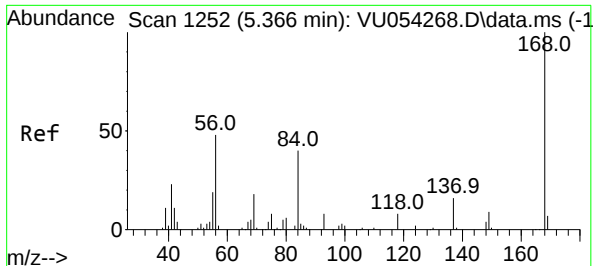
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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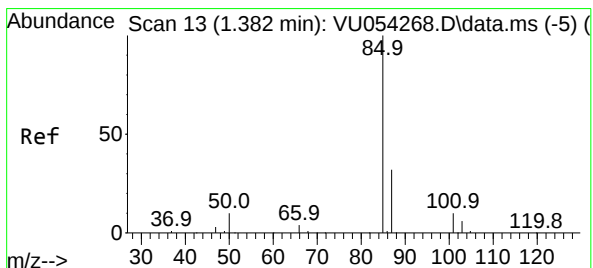
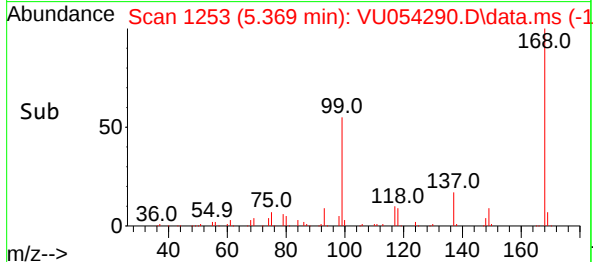
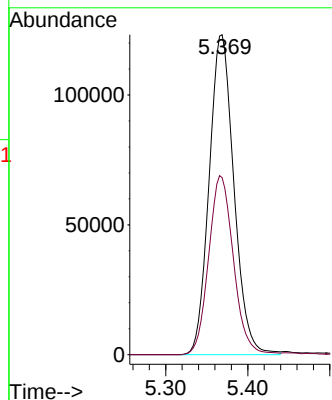
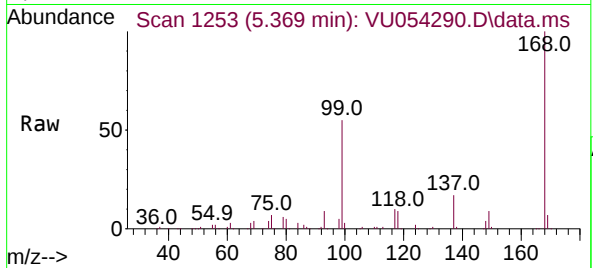




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

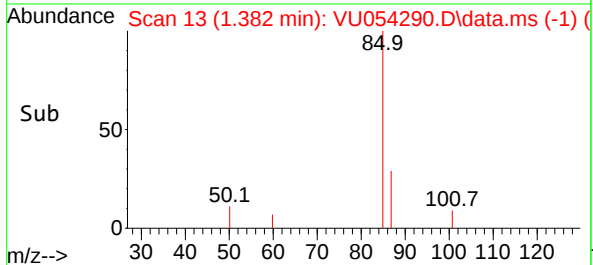
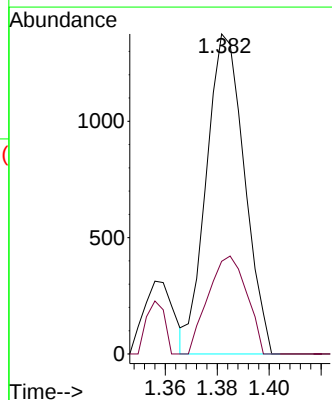
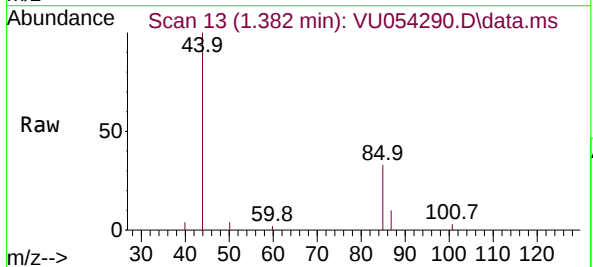
Instrument :
MSVOA_U
ClientSampleId :
15BR-20230524

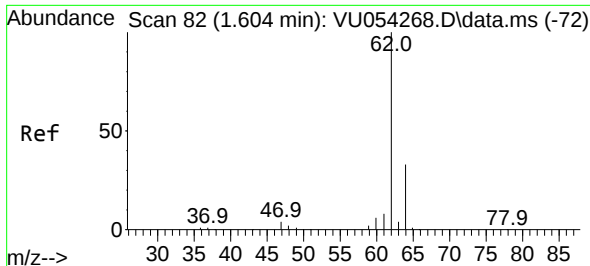
Tgt Ion:168 Resp: 258798
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.484 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion: 85 Resp: 1399
Ion Ratio Lower Upper
85 100
87 28.9 16.4 49.2

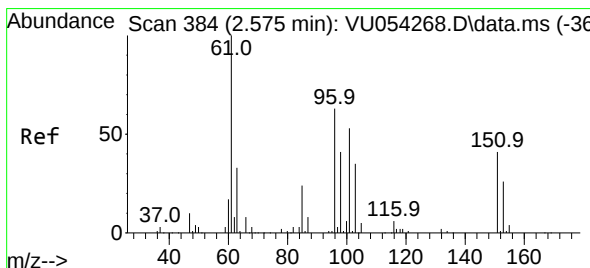
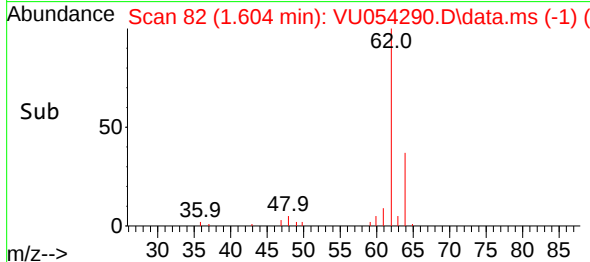
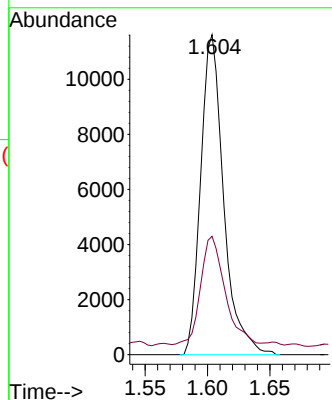
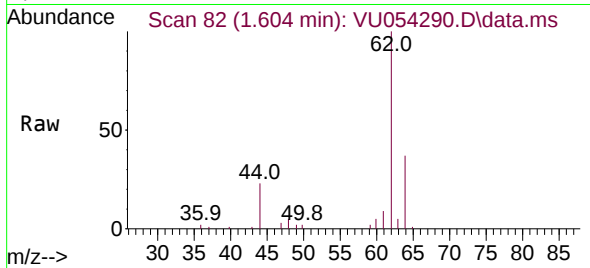




#4
 Vinyl Chloride
 Concen: 4.118 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054290.D
 Acq: 26 May 2023 17:01

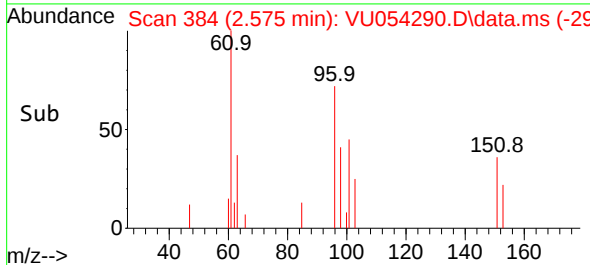
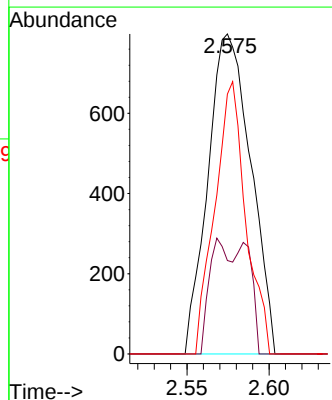
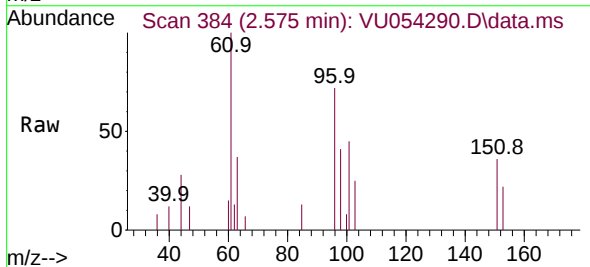
Instrument :
 MSVOA_U
 ClientSampleId :
 15BR-20230524

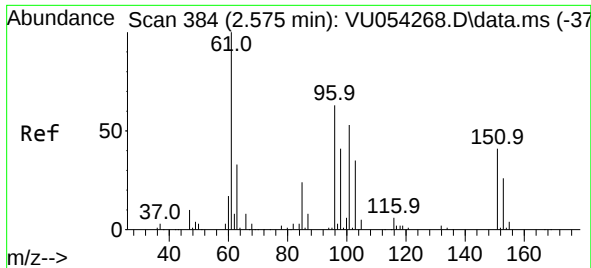
Tgt Ion: 62 Resp: 14864
 Ion Ratio Lower Upper
 62 100
 64 33.7 25.3 37.9



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.539 ug/l
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU054290.D
 Acq: 26 May 2023 17:01

Tgt Ion: 101 Resp: 1448
 Ion Ratio Lower Upper
 101 100
 85 18.5 33.9 50.9#
 151 61.5 64.0 96.0#





#12

1,1-Dichloroethene

Concen: 0.713 ug/l

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU054290.D

Acq: 26 May 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

15BR-20230524

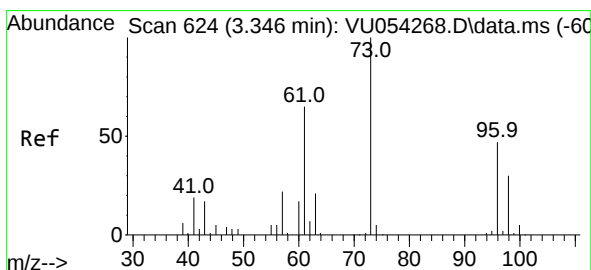
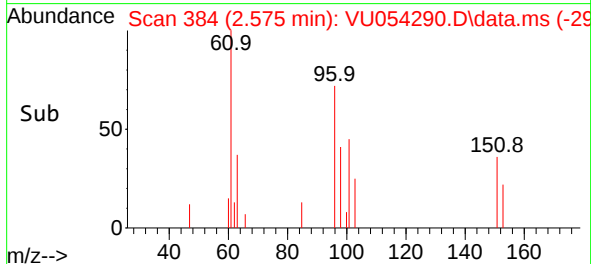
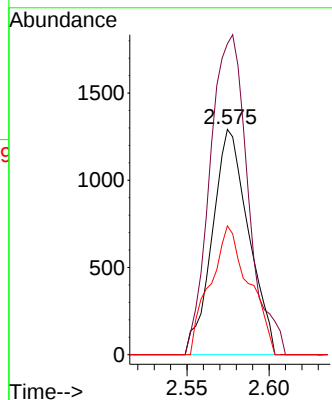
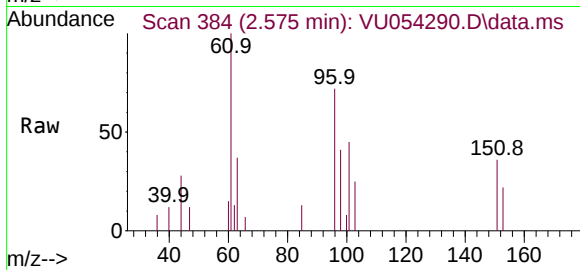
Tgt Ion: 96 Resp: 1984

Ion Ratio Lower Upper

96 100

61 138.0 122.2 183.2

98 57.2 50.7 76.1



#21

trans-1,2-Dichloroethene

Concen: 0.844 ug/l

RT: 3.353 min Scan# 626

Delta R.T. 0.007 min

Lab File: VU054290.D

Acq: 26 May 2023 17:01

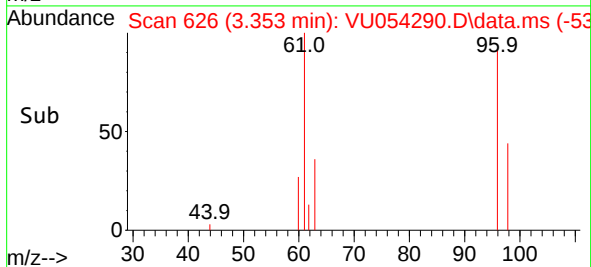
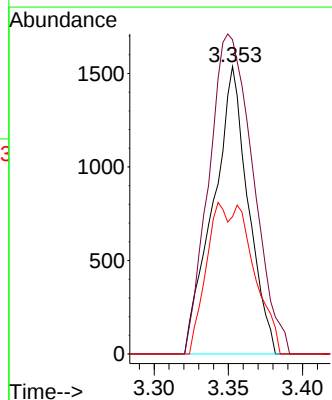
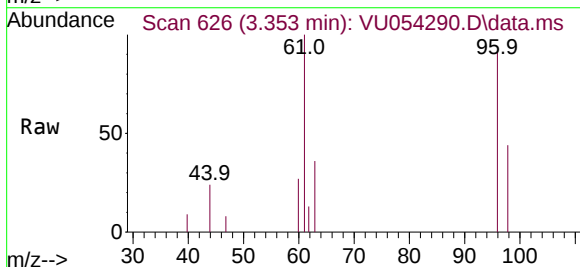
Tgt Ion: 96 Resp: 2516

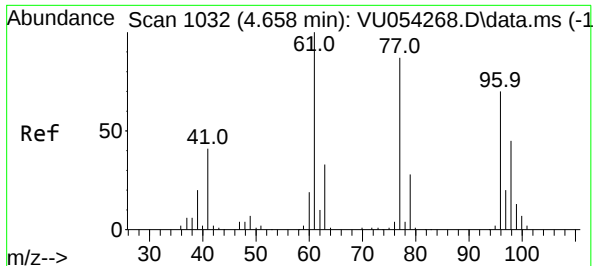
Ion Ratio Lower Upper

96 100

61 109.3 106.1 159.1

98 47.8 50.8 76.2#

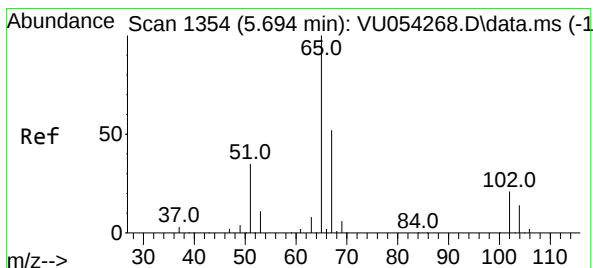
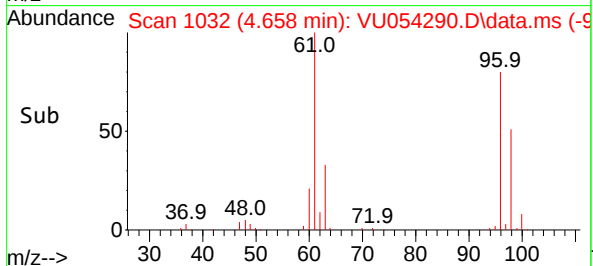
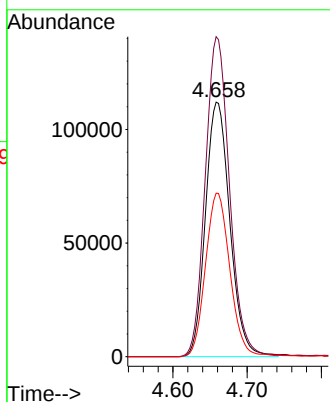
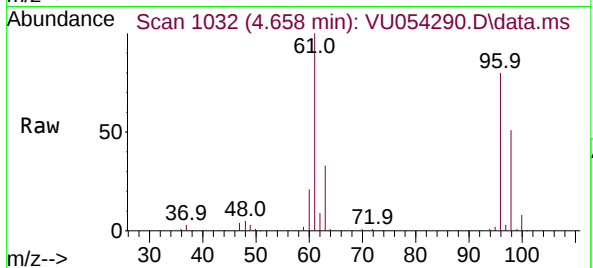




#27
 cis-1,2-Dichloroethene
 Concen: 77.225 ug/l
 RT: 4.658 min Scan# 1032
 Delta R.T. 0.000 min
 Lab File: VU054290.D
 Acq: 26 May 2023 17:01

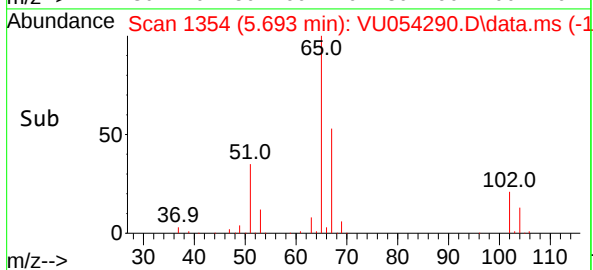
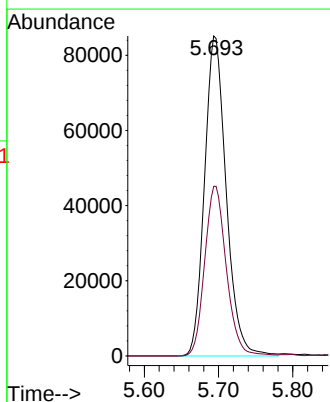
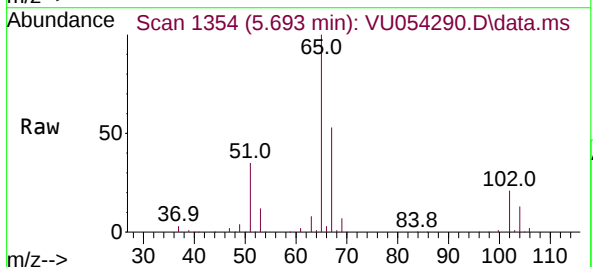
Instrument :
 MSVOA_U
 ClientSampleId :
 15BR-20230524

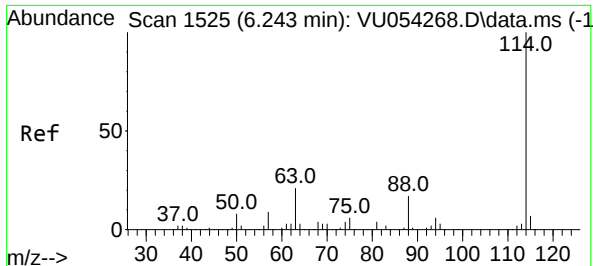
Tgt Ion: 96 Resp: 256031
 Ion Ratio Lower Upper
 96 100
 61 125.3 0.0 271.6
 98 64.3 0.0 128.2



#33
 1,2-Dichloroethane-d4
 Concen: 50.826 ug/l
 RT: 5.693 min Scan# 1354
 Delta R.T. -0.001 min
 Lab File: VU054290.D
 Acq: 26 May 2023 17:01

Tgt Ion: 65 Resp: 172431
 Ion Ratio Lower Upper
 65 100
 67 53.0 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: VU054290.D

Acq: 26 May 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

15BR-20230524

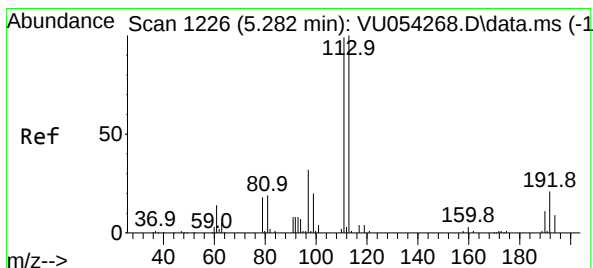
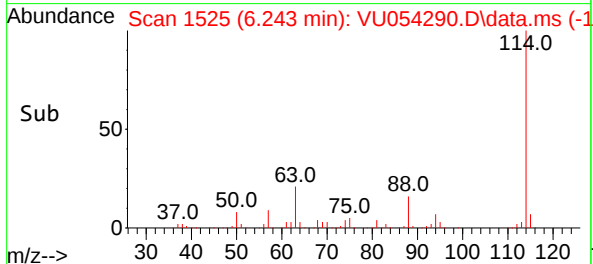
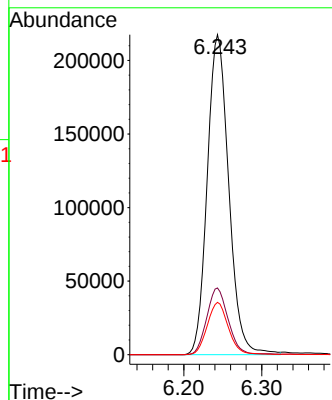
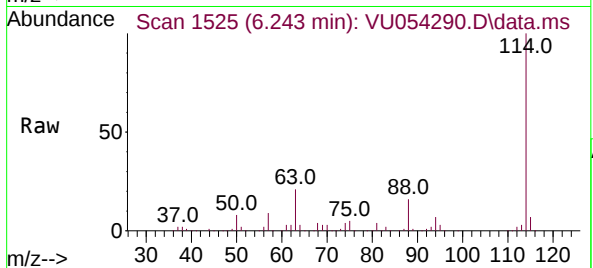
Tgt Ion:114 Resp: 416522

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.8

88 16.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 53.152 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VU054290.D

Acq: 26 May 2023 17:01

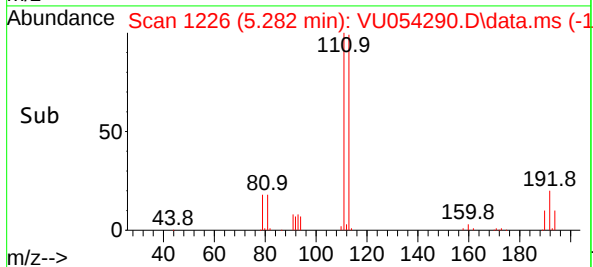
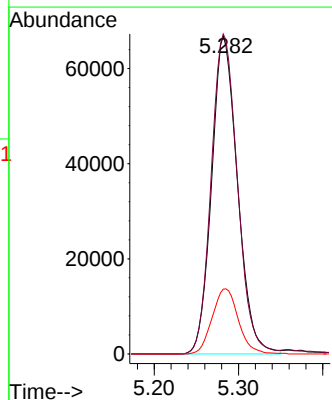
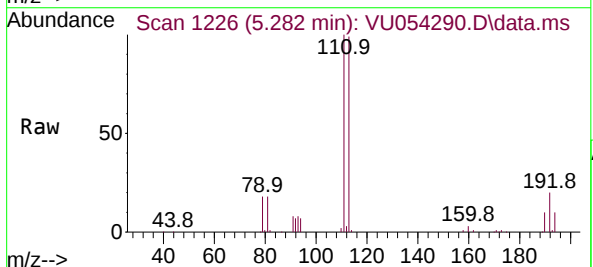
Tgt Ion:113 Resp: 142571

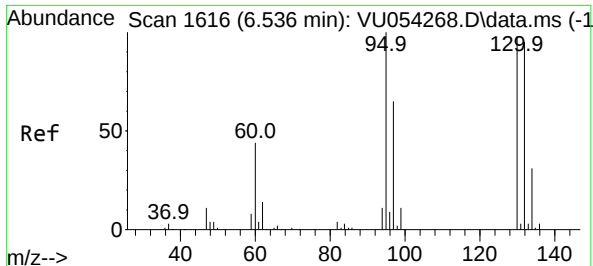
Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

192 20.8 18.0 27.0

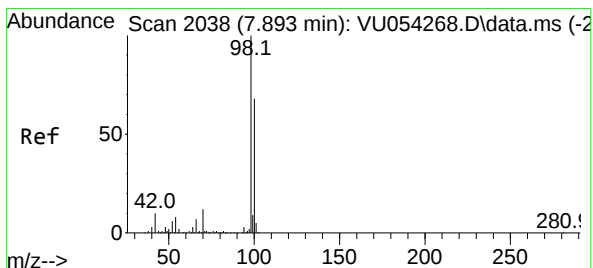
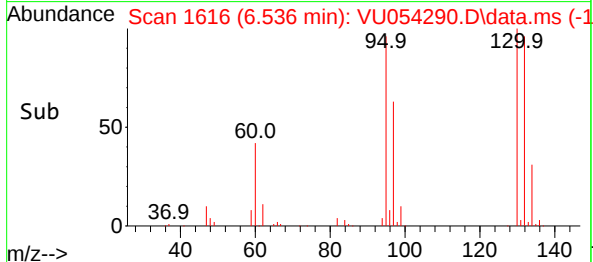
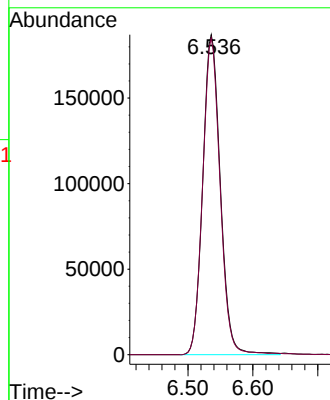
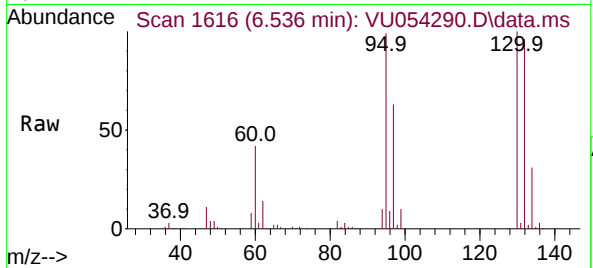




#44
Trichloroethene
Concen: 105.201 ug/l
RT: 6.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

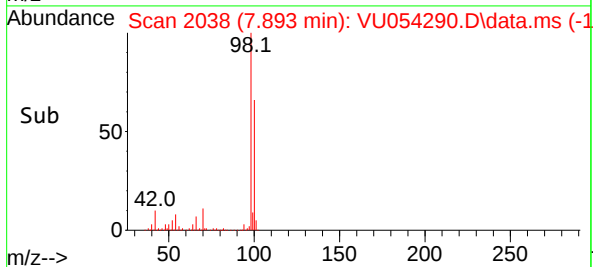
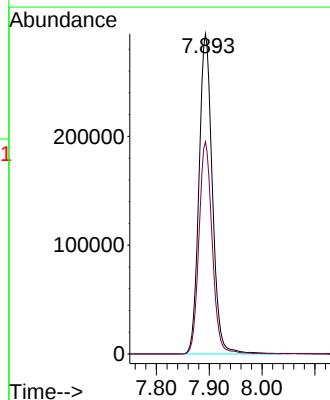
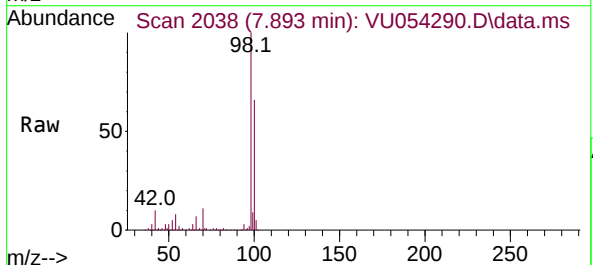
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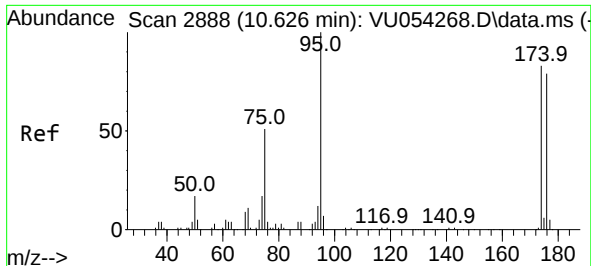
Tgt Ion:130 Resp: 353396
Ion Ratio Lower Upper
130 100
95 99.0 0.0 184.6



#50
Toluene-d8
Concen: 50.564 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion: 98 Resp: 515885
Ion Ratio Lower Upper
98 100
100 65.8 51.7 77.5

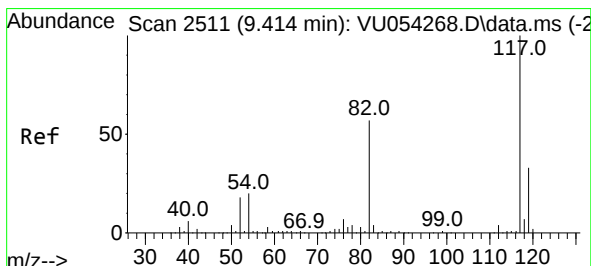
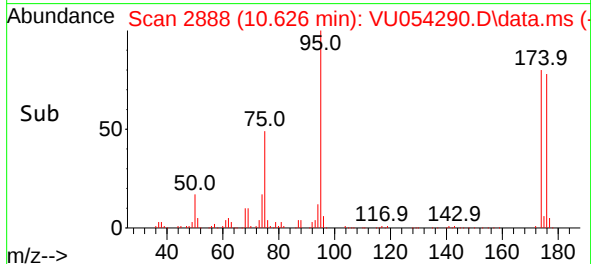
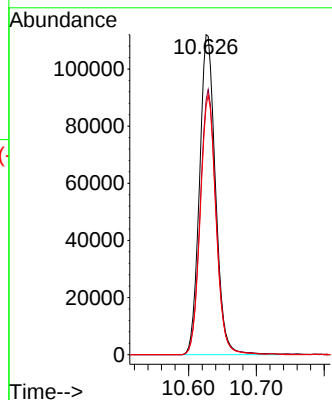
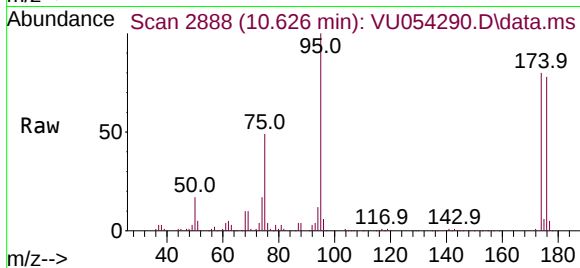




#62
4-Bromofluorobenzene
Concen: 46.282 ug/l
RT: 10.626 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

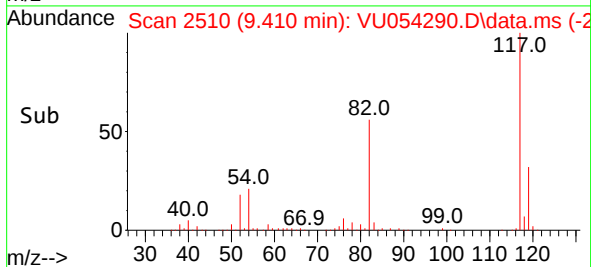
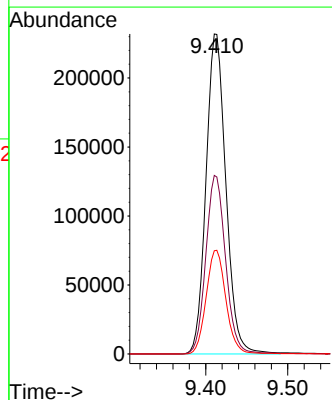
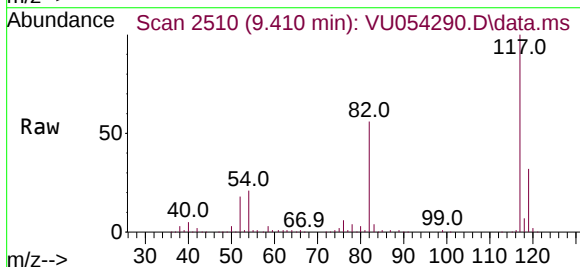
Instrument :
MSVOA_U
ClientSampleId :
15BR-20230524

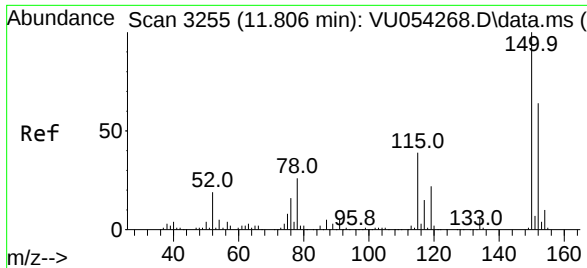
Tgt Ion: 95 Resp: 183090
Ion Ratio Lower Upper
95 100
174 82.6 0.0 182.0
176 80.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 2510
Delta R.T. -0.004 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

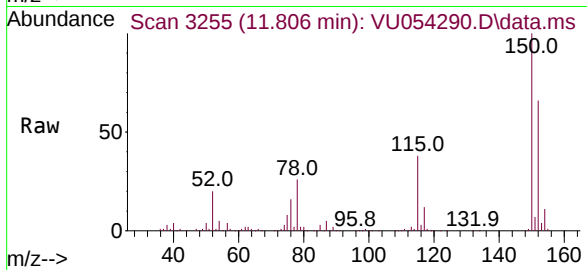
Tgt Ion: 117 Resp: 390879
Ion Ratio Lower Upper
117 100
82 55.8 41.7 62.5
119 32.3 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054290.D
 Acq: 26 May 2023 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 15BR-20230524



Tgt Ion:152 Resp: 197088
 Ion Ratio Lower Upper
 152 100
 115 58.1 37.0 110.9
 150 154.3 0.0 342.2

