

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054284.D
 Acq On : 26 May 2023 14:39
 Operator : JC/MD
 Sample : 02936-05DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 48BR-20230524DL

Quant Time: May 30 00:01:50 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)

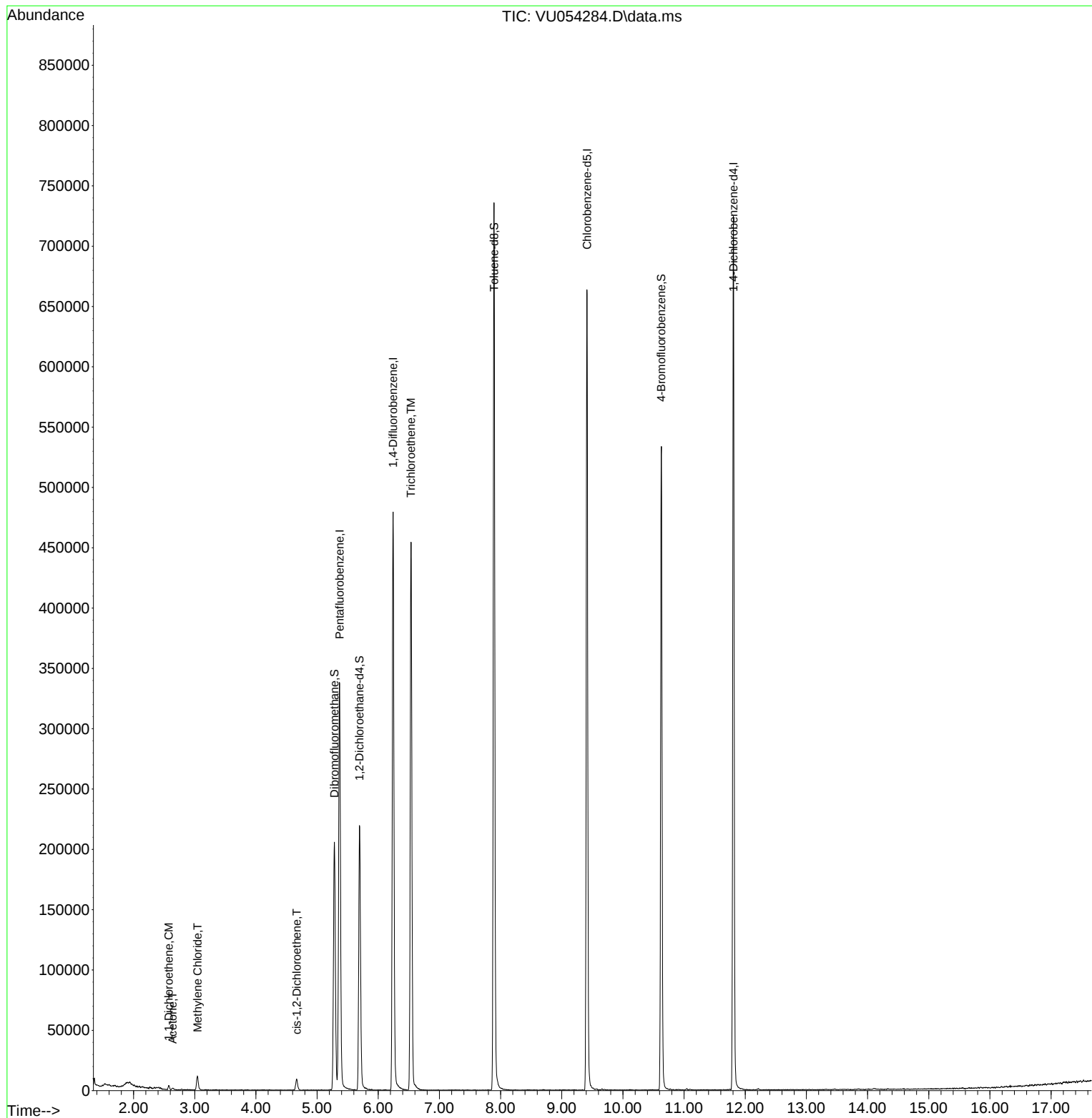
Internal Standards						
1) Pentafluorobenzene	5.369	168	246590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	400077	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	382964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	197148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	165204	51.106	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.220%			
35) Dibromofluoromethane	5.282	113	135336	52.529	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.060%			
50) Toluene-d8	7.893	98	500682	51.091	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.180%			
62) 4-Bromofluorobenzene	10.629	95	180889	47.605	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.200%			
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	2.575	96	880	0.332	ug/l	99
16) Acetone	2.639	43	1527	0.824	ug/l	89
20) Methylene Chloride	3.047	84	6172	1.846	ug/l	94
27) cis-1,2-Dichloroethene	4.668	96	5433	1.720	ug/l	87
44) Trichloroethene	6.536	130	159026	49.286	ug/l	91

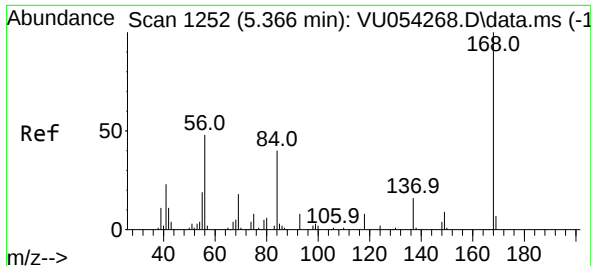
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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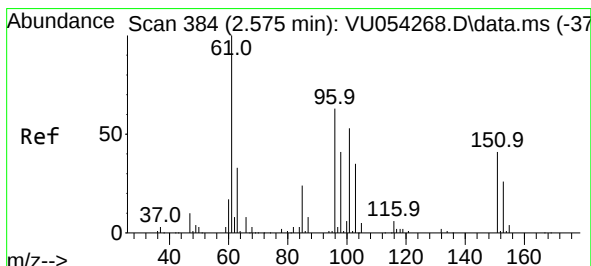
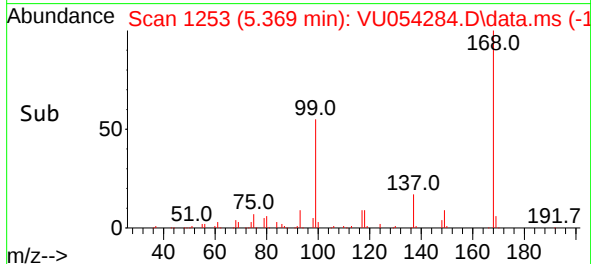
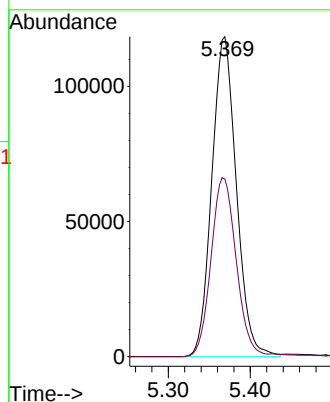
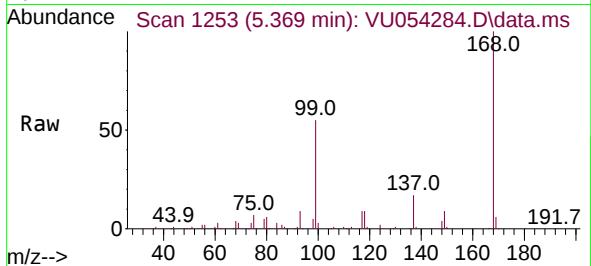




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

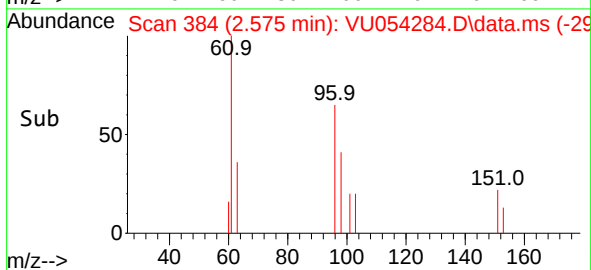
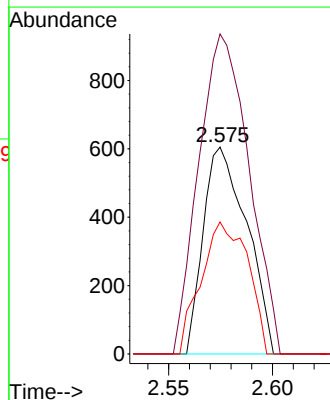
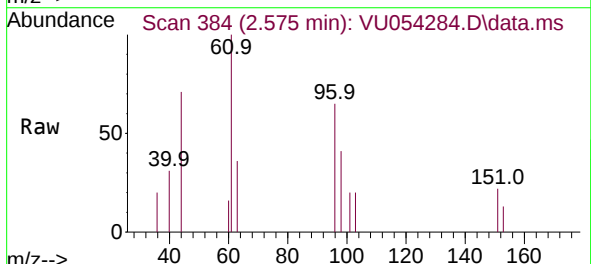
Instrument :
MSVOA_U
ClientSampleId :
48BR-20230524DL

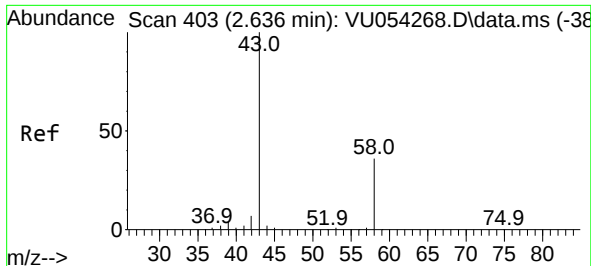
Tgt Ion:168 Resp: 246590
Ion Ratio Lower Upper
168 100
99 55.5 39.3 58.9



#12
1,1-Dichloroethene
Concen: 0.332 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt Ion: 96 Resp: 880
Ion Ratio Lower Upper
96 100
61 154.7 122.2 183.2
98 63.8 50.7 76.1





#16

Acetone

Concen: 0.824 ug/l

RT: 2.639 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU054284.D

Acq: 26 May 2023 14:39

Instrument :

MSVOA_U

ClientSampleId :

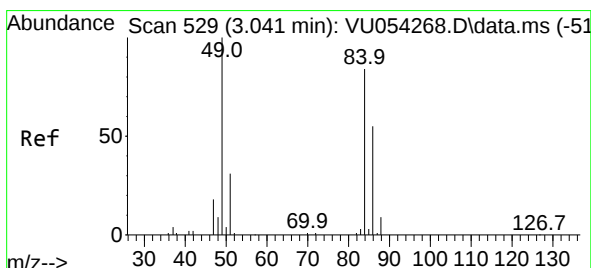
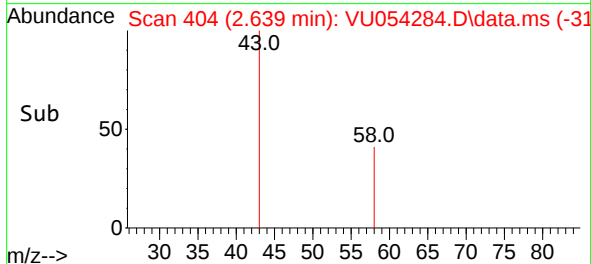
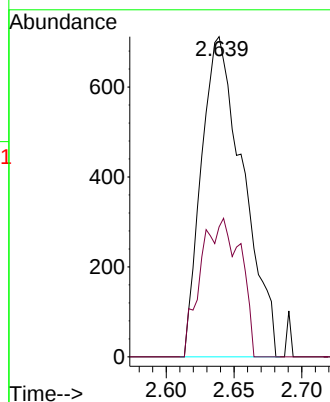
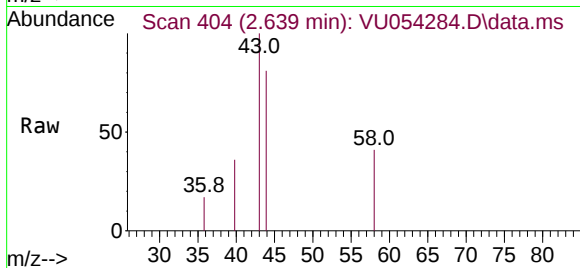
48BR-20230524DL

Tgt Ion: 43 Resp: 1527

Ion Ratio Lower Upper

43 100

58 40.6 27.5 41.3



#20

Methylene Chloride

Concen: 1.846 ug/l

RT: 3.047 min Scan# 531

Delta R.T. 0.006 min

Lab File: VU054284.D

Acq: 26 May 2023 14:39

Tgt Ion: 84 Resp: 6172

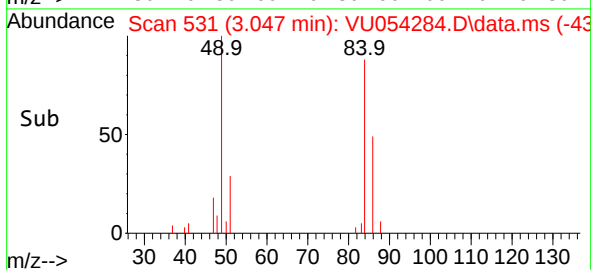
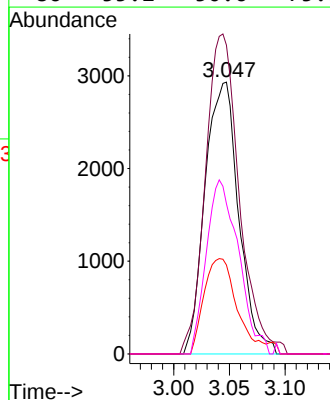
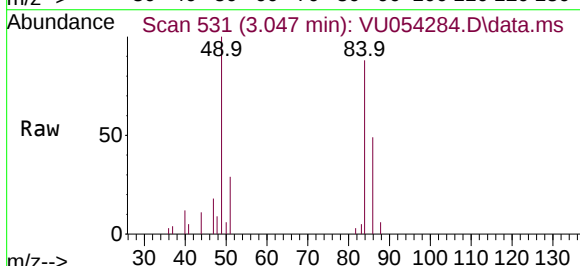
Ion Ratio Lower Upper

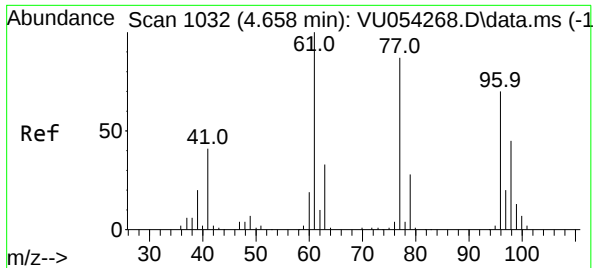
84 100

49 113.6 86.6 129.8

51 32.7 26.6 40.0

86 55.2 50.6 75.8





#27

cis-1,2-Dichloroethene

Concen: 1.720 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.010 min

Lab File: VU054284.D

Acq: 26 May 2023 14:39

Instrument :

MSVOA_U

ClientSampleId :

48BR-20230524DL

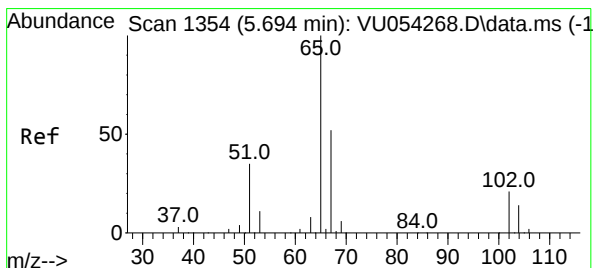
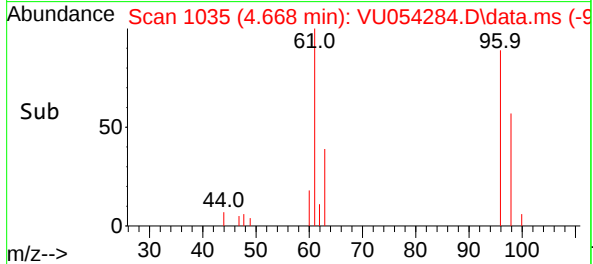
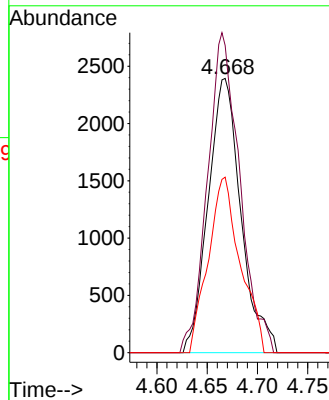
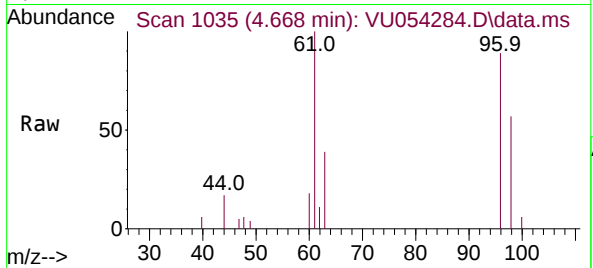
Tgt Ion: 96 Resp: 5433

Ion Ratio Lower Upper

96 100

61 114.2 0.0 271.6

98 62.5 0.0 128.2



#33

1,2-Dichloroethane-d4

Concen: 51.106 ug/l

RT: 5.694 min Scan# 1354

Delta R.T. -0.000 min

Lab File: VU054284.D

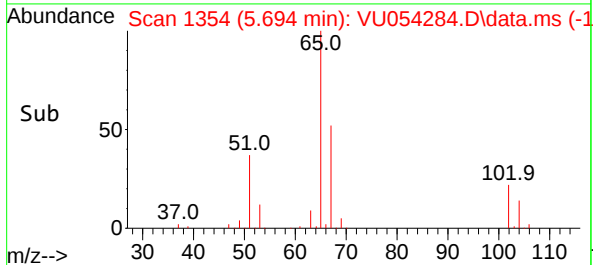
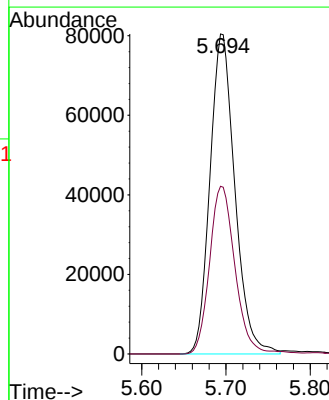
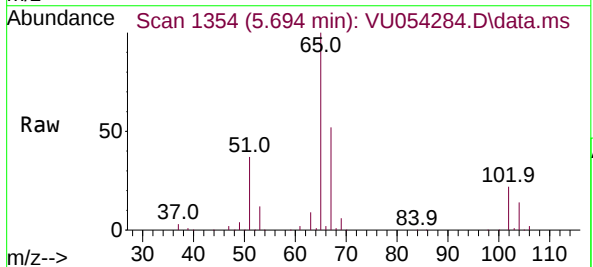
Acq: 26 May 2023 14:39

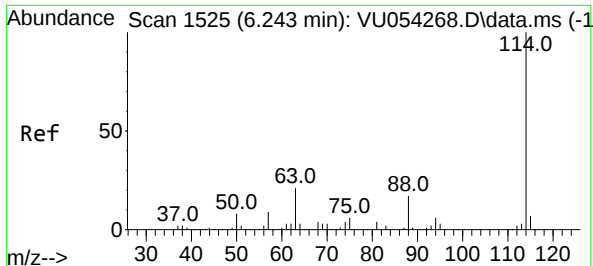
Tgt Ion: 65 Resp: 165204

Ion Ratio Lower Upper

65 100

67 53.6 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: VU054284.D

Acq: 26 May 2023 14:39

Instrument :

MSVOA_U

ClientSampleId :

48BR-20230524DL

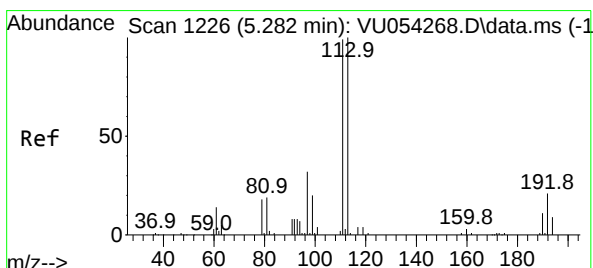
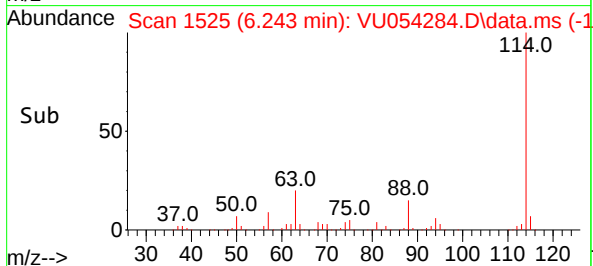
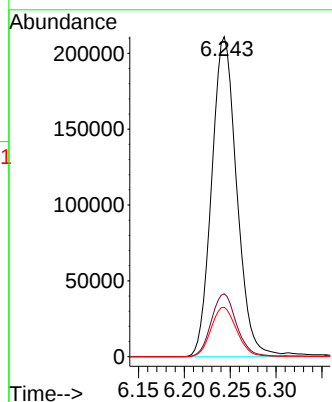
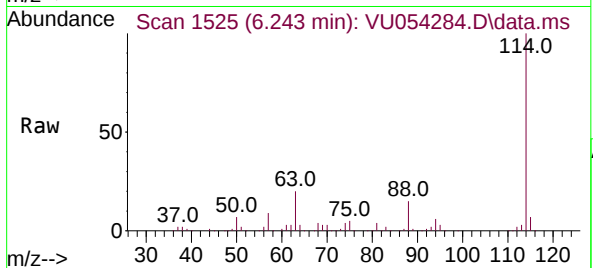
Tgt Ion:114 Resp: 400077

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.8

88 15.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 52.529 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054284.D

Acq: 26 May 2023 14:39

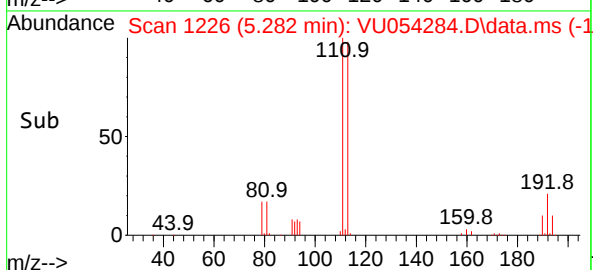
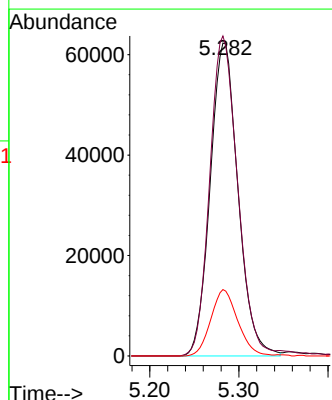
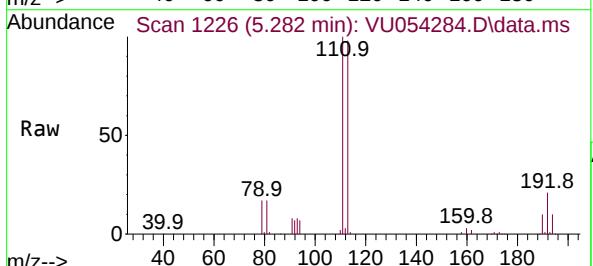
Tgt Ion:113 Resp: 135336

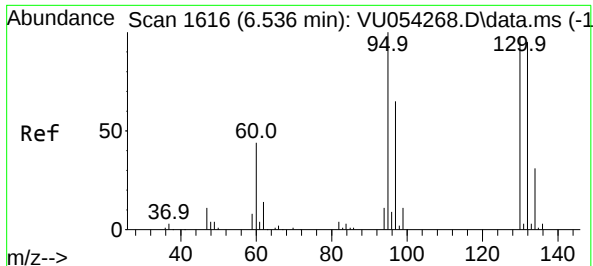
Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

192 20.5 18.0 27.0

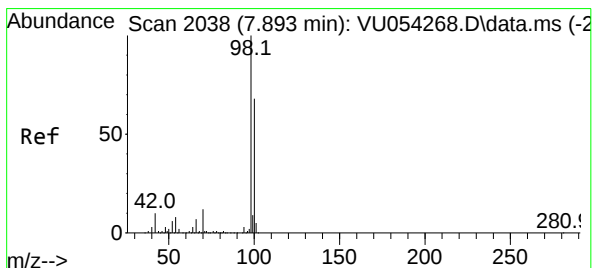
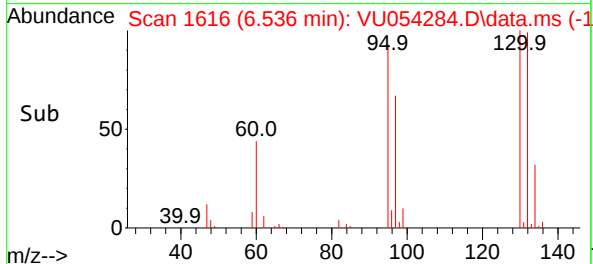
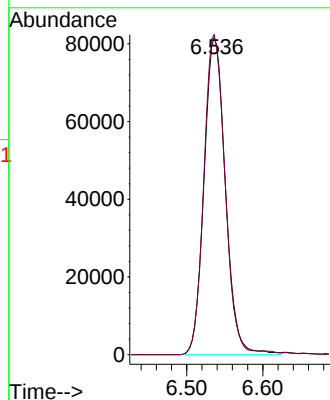
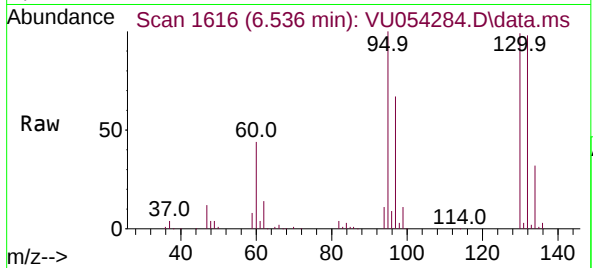




#44
Trichloroethene
Concen: 49.286 ug/l
RT: 6.536 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

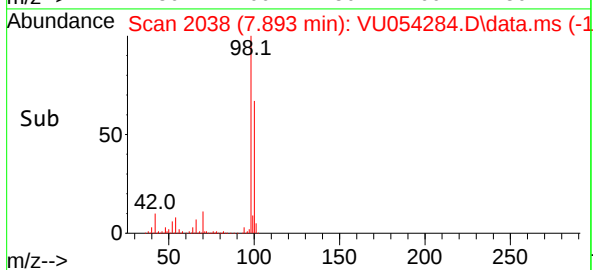
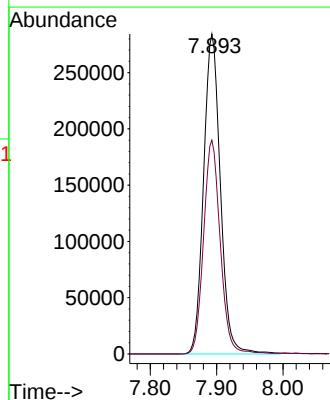
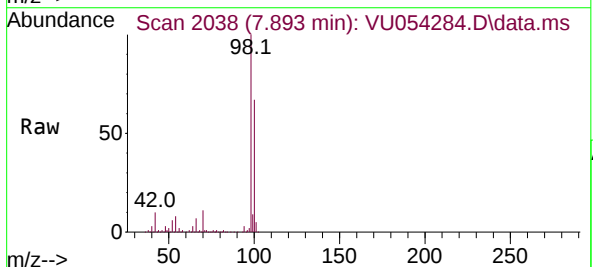
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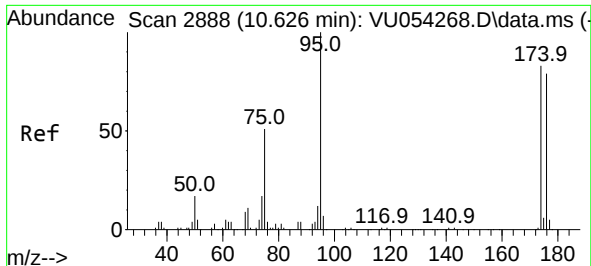
Tgt Ion:130 Resp: 159026
Ion Ratio Lower Upper
130 100
95 101.0 0.0 184.6



#50
Toluene-d8
Concen: 51.091 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt Ion: 98 Resp: 500682
Ion Ratio Lower Upper
98 100
100 66.2 51.7 77.5

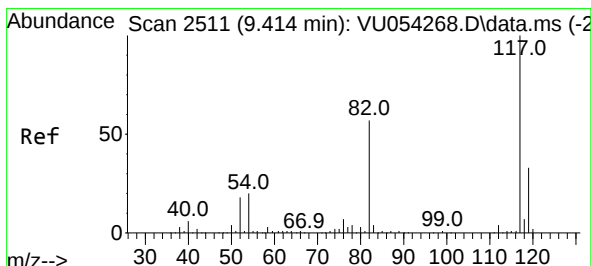
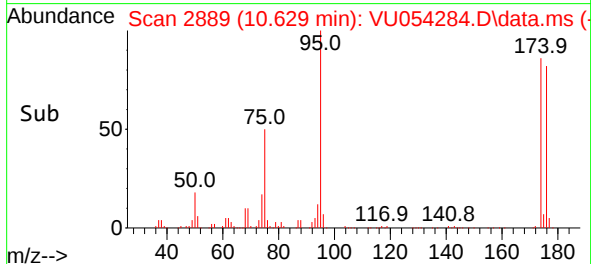
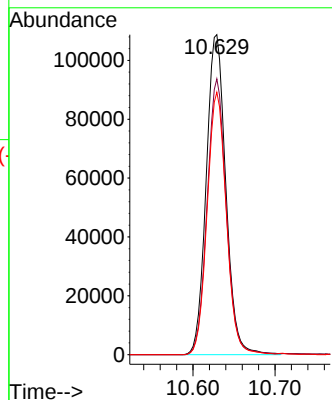
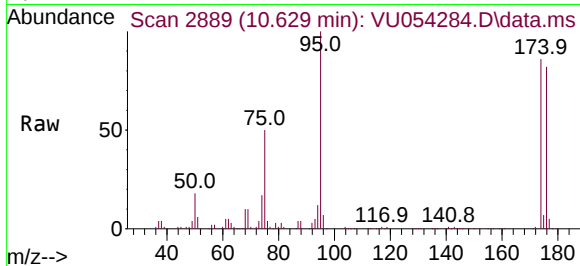




#62
4-Bromofluorobenzene
Concen: 47.605 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

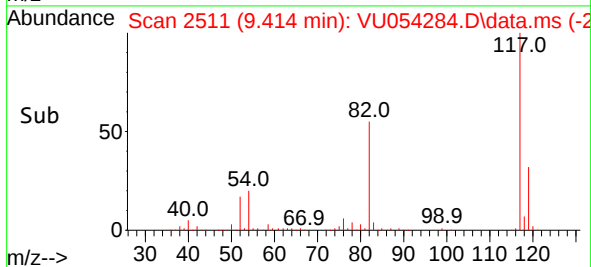
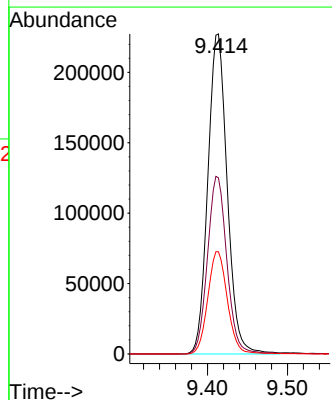
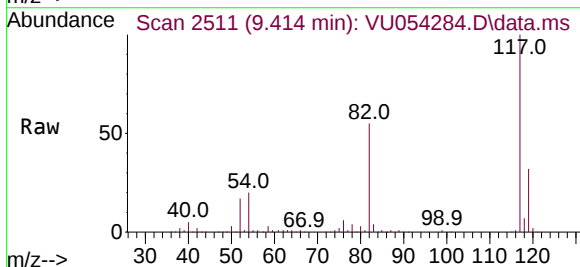
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48BR-20230524DL

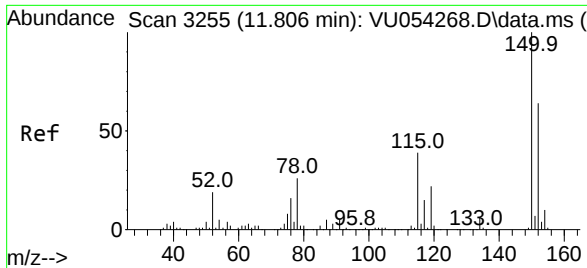
Tgt Ion: 95 Resp: 180889
Ion Ratio Lower Upper
95 100
174 84.4 0.0 182.0
176 80.3 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

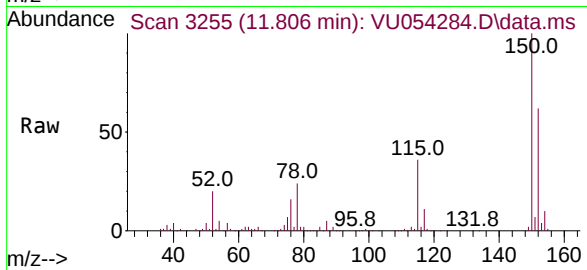
Tgt Ion: 117 Resp: 382964
Ion Ratio Lower Upper
117 100
82 55.0 41.7 62.5
119 32.0 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054284.D
 Acq: 26 May 2023 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 48BR-20230524DL



Tgt Ion:152 Resp: 197148
 Ion Ratio Lower Upper
 152 100
 115 58.5 37.0 110.9
 150 158.5 0.0 342.2

