

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054312.D
 Acq On : 30 May 2023 14:34
 Operator : JC/MD
 Sample : 02912-07DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE134D4-20230523DL

Quant Time: May 31 06:26:35 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)

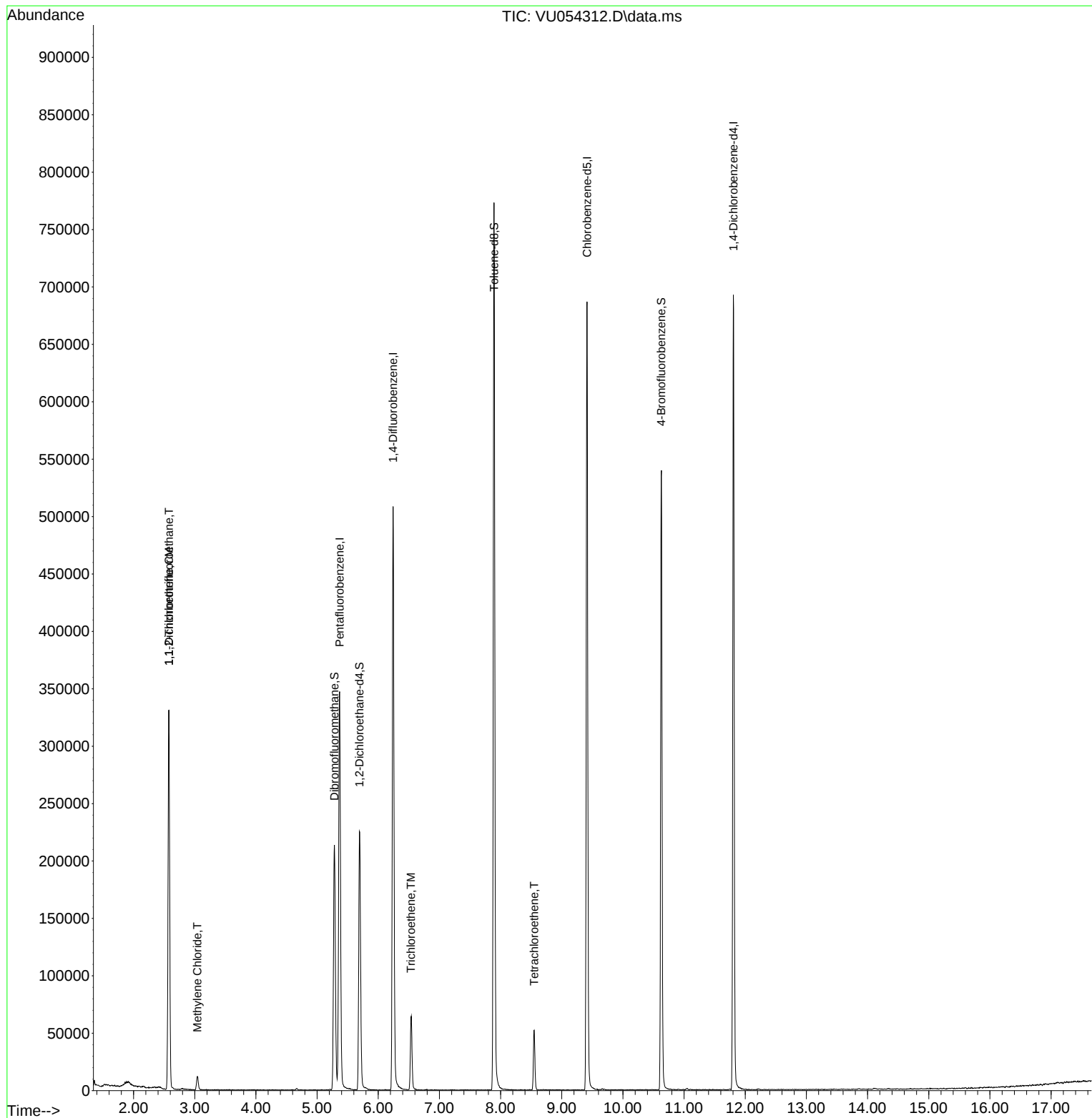
Internal Standards						
1) Pentafluorobenzene	5.369	168	257078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	421543	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	400911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	191815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	171736	50.960	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.920%	
35) Dibromofluoromethane	5.282	113	141270	52.040	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.080%	
50) Toluene-d8	7.893	98	524822	50.827	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	10.629	95	181014	45.212	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.420%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.578	101	133929	50.148	ug/l	97
12) 1,1-Dichloroethene	2.578	96	978	0.354	ug/l #	76
20) Methylene Chloride	3.041	84	6374	1.829	ug/l	90
44) Trichloroethene	6.536	130	23332	6.863	ug/l	96
64) Tetrachloroethene	8.549	164	12641	4.189	ug/l	97

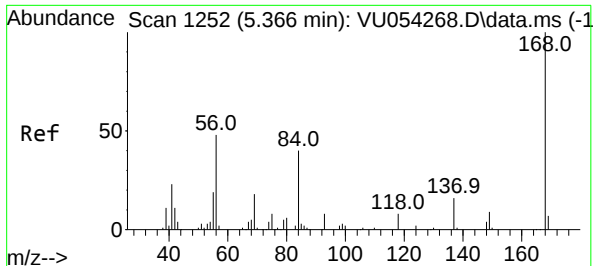
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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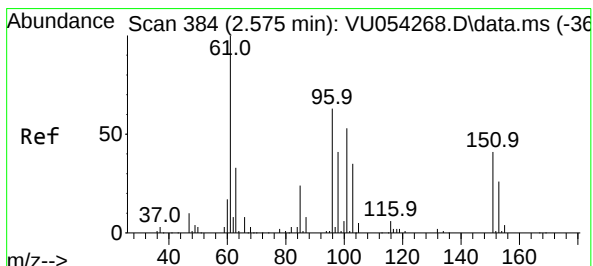
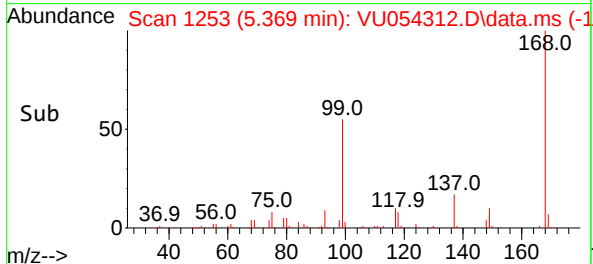
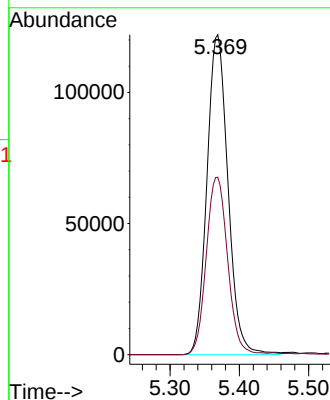
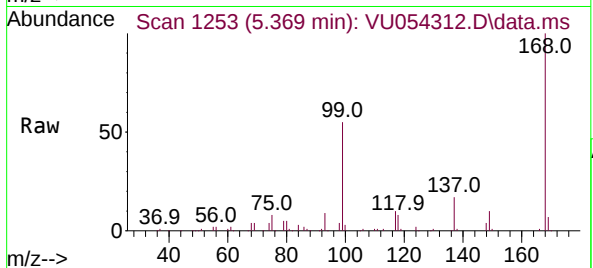




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

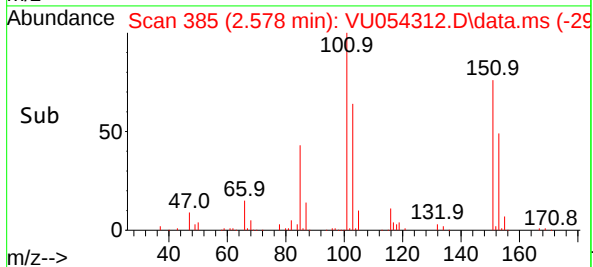
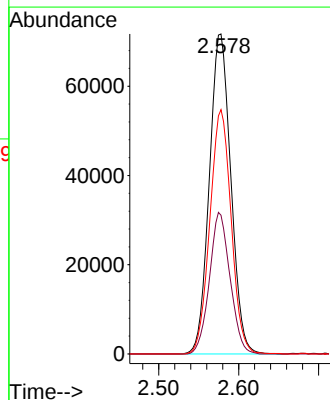
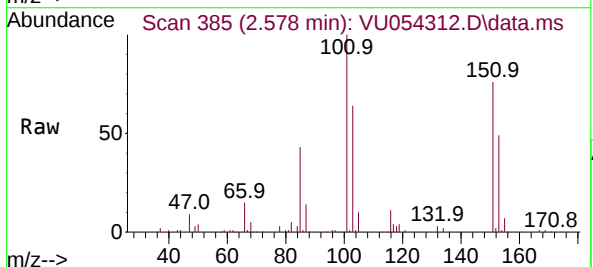
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL

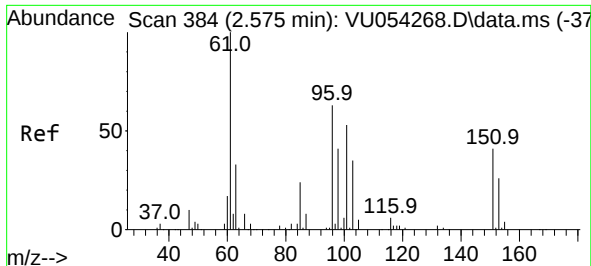
Tgt Ion:168 Resp: 257078
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.148 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion:101 Resp: 133929
Ion Ratio Lower Upper
101 100
85 42.4 33.9 50.9
151 75.7 64.0 96.0





#12

1,1-Dichloroethene

Concen: 0.354 ug/l

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Instrument :

MSVOA_U

ClientSampleId :

RE134D4-20230523DL

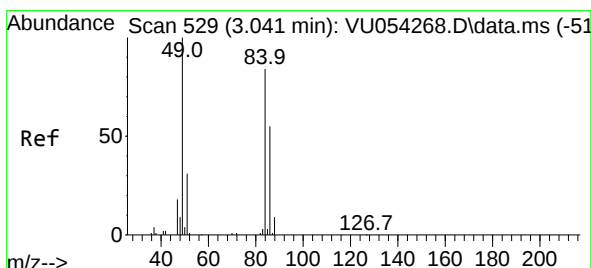
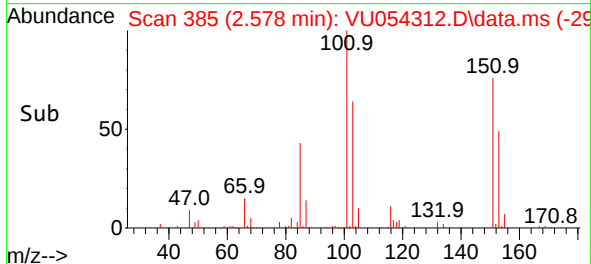
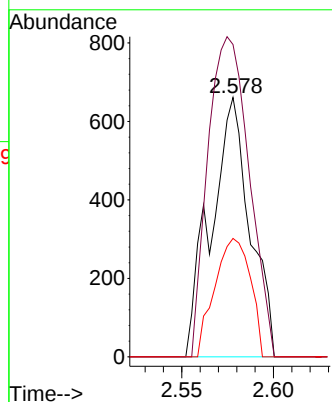
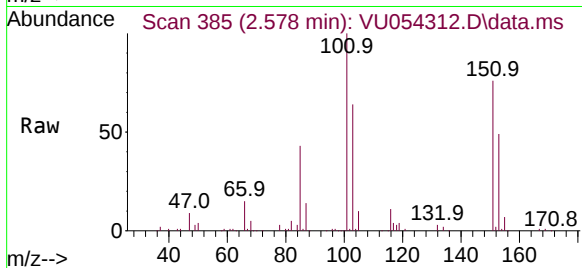
Tgt Ion: 96 Resp: 978

Ion Ratio Lower Upper

96 100

61 120.4 122.2 183.2#

98 45.7 50.7 76.1#



#20

Methylene Chloride

Concen: 1.829 ug/l

RT: 3.041 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Tgt Ion: 84 Resp: 6374

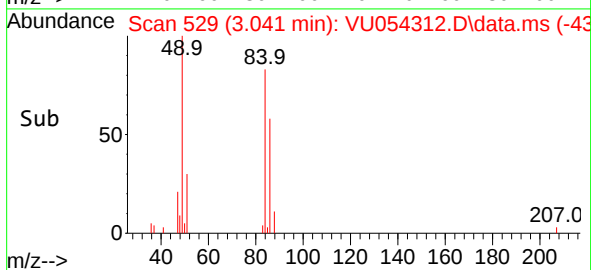
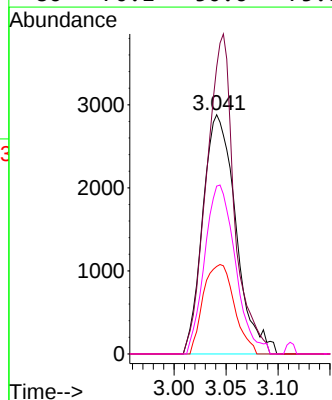
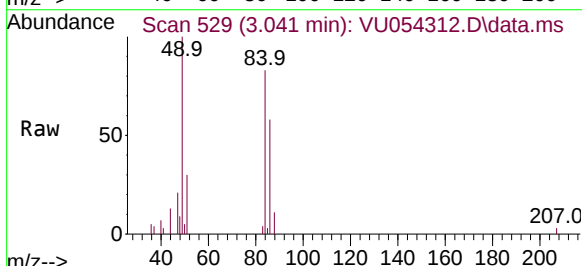
Ion Ratio Lower Upper

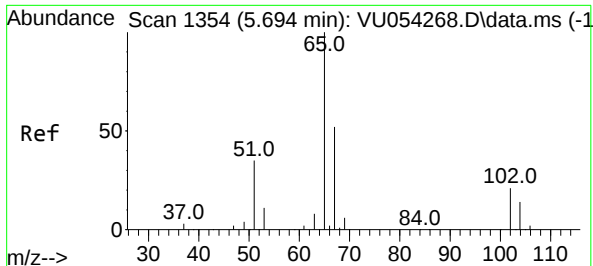
84 100

49 120.0 86.6 129.8

51 36.5 26.6 40.0

86 70.1 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 50.960 ug/l

RT: 5.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Instrument :

MSVOA_U

ClientSampleId :

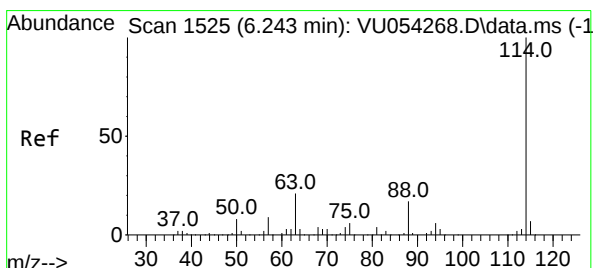
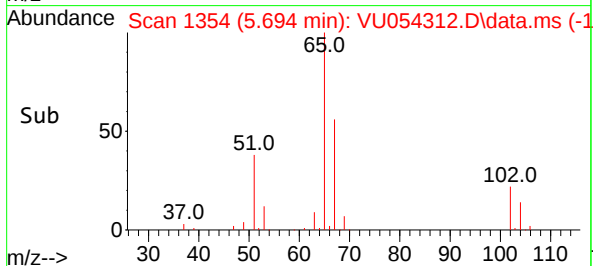
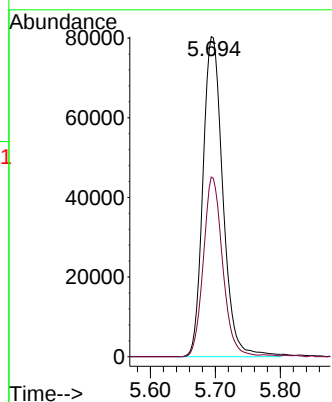
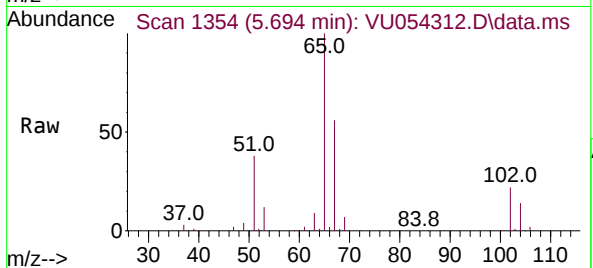
RE134D4-20230523DL

Tgt Ion: 65 Resp: 171736

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

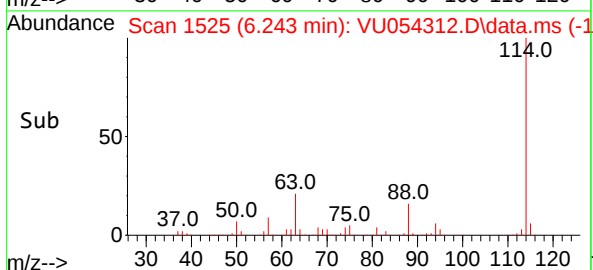
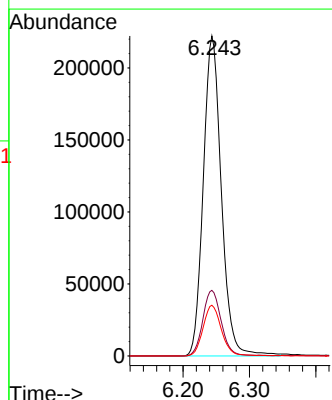
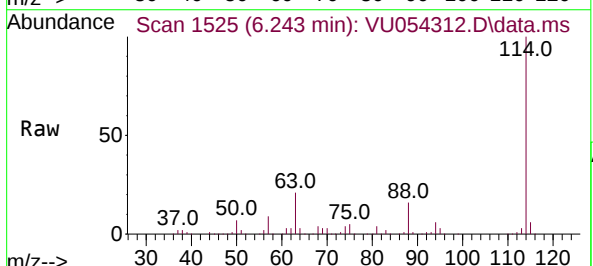
Tgt Ion: 114 Resp: 421543

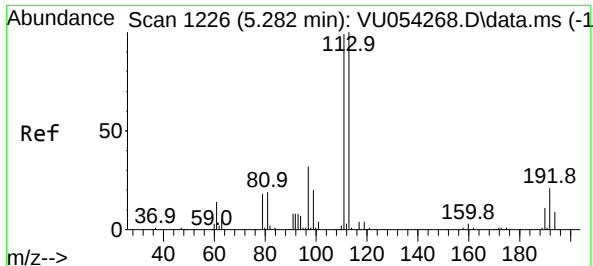
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.8

88 15.9 0.0 29.2





#35

Dibromofluoromethane

Concen: 52.040 ug/l

RT: 5.282 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Instrument :

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ClientSampleId :

RE134D4-20230523DL

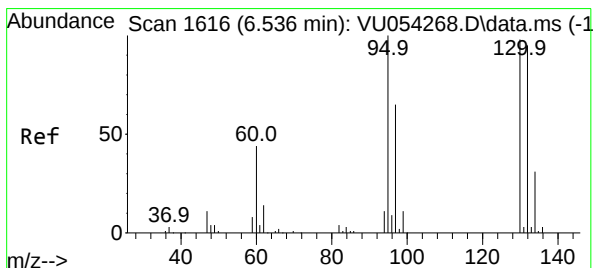
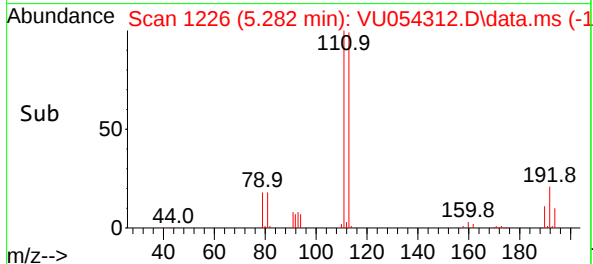
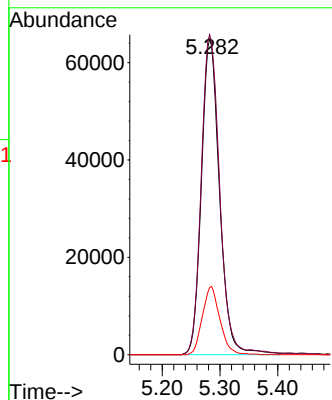
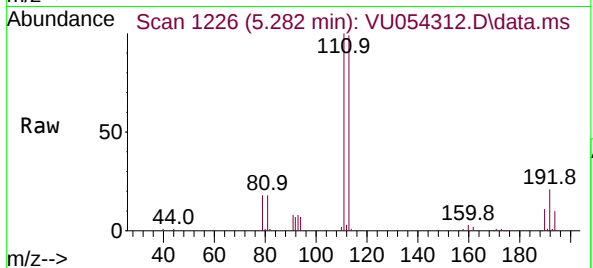
Tgt Ion:113 Resp: 141270

Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

192 20.9 18.0 27.0



#44

Trichloroethene

Concen: 6.863 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. -0.000 min

Lab File: VU054312.D

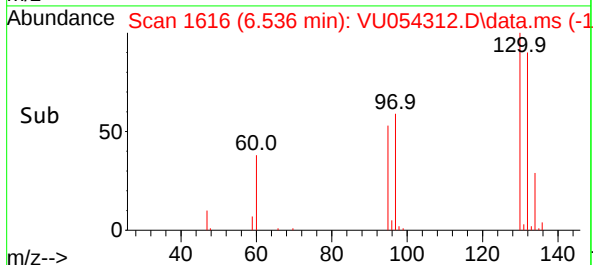
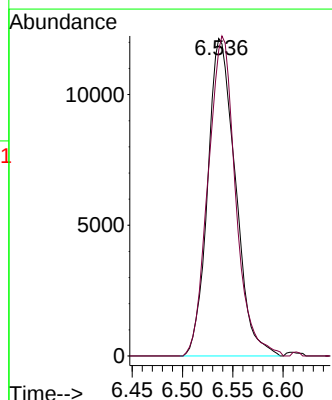
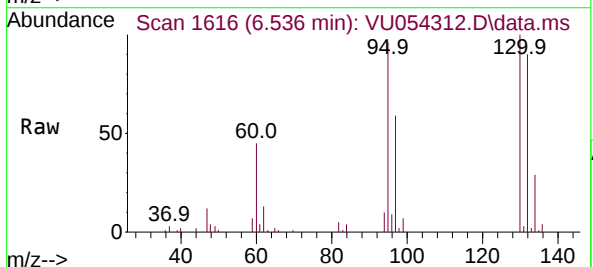
Acq: 30 May 2023 14:34

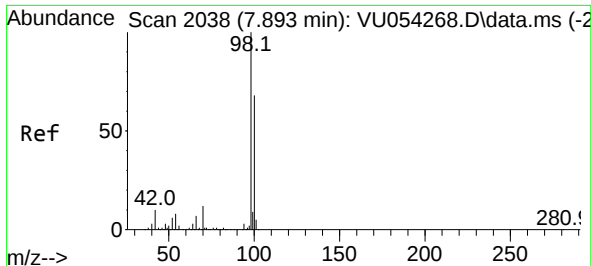
Tgt Ion:130 Resp: 23332

Ion Ratio Lower Upper

130 100

95 96.4 0.0 184.6

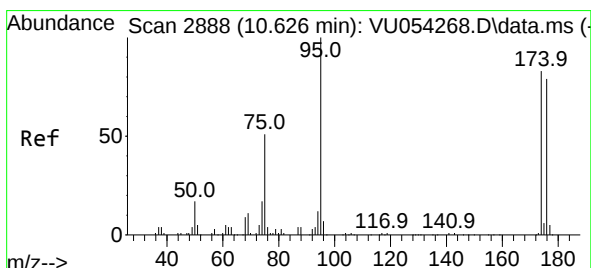
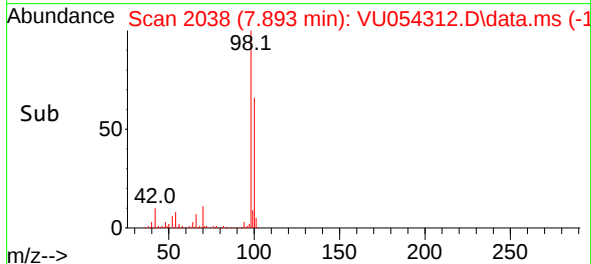
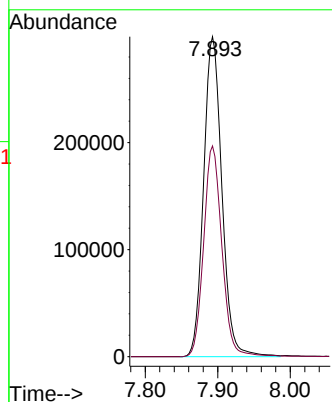
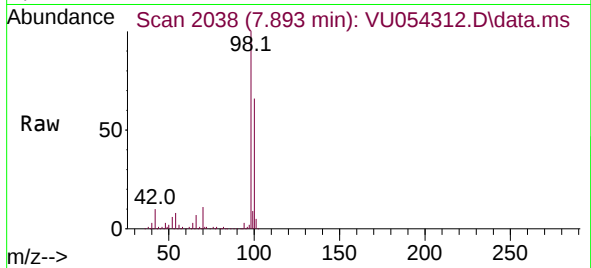




#50
Toluene-d8
Concen: 50.827 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

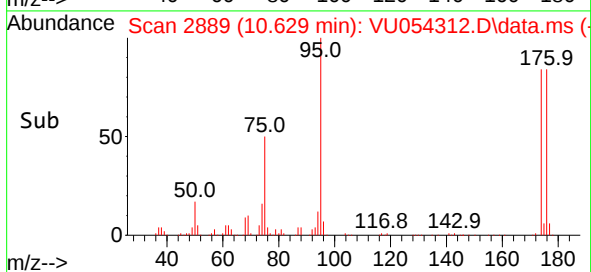
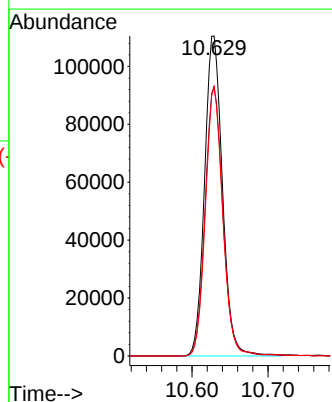
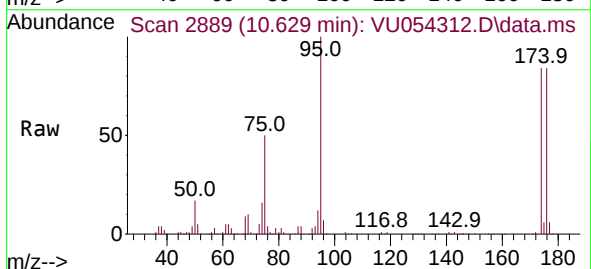
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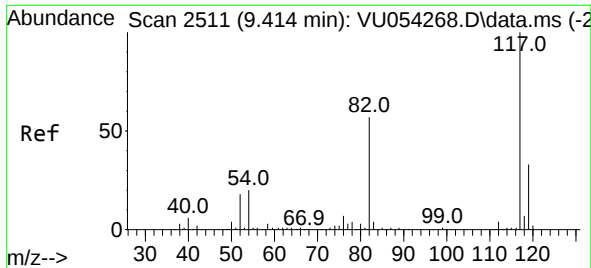
Tgt Ion: 98 Resp: 524822
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.212 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion: 95 Resp: 181014
Ion Ratio Lower Upper
95 100
174 83.8 0.0 182.0
176 81.1 0.0 177.8

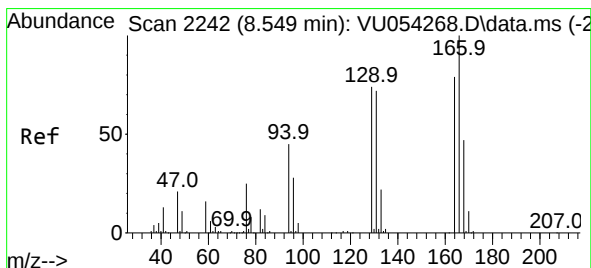
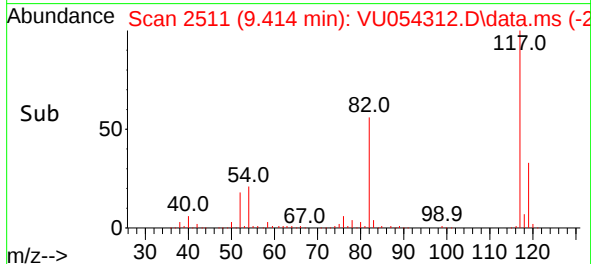
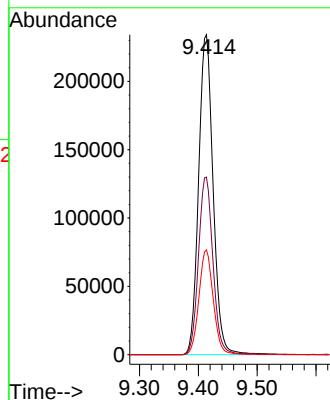
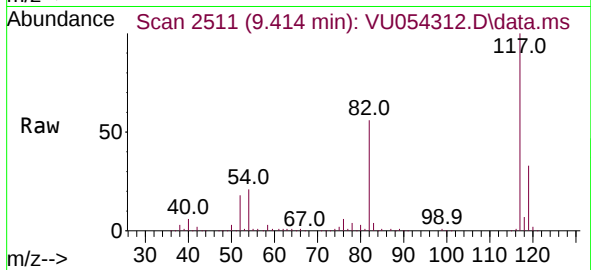




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

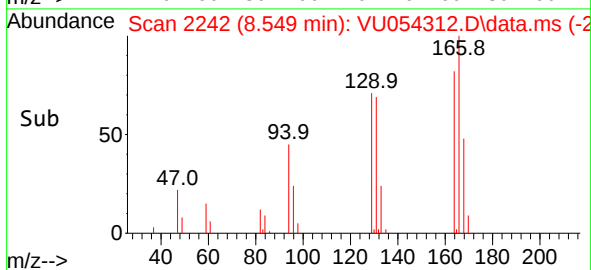
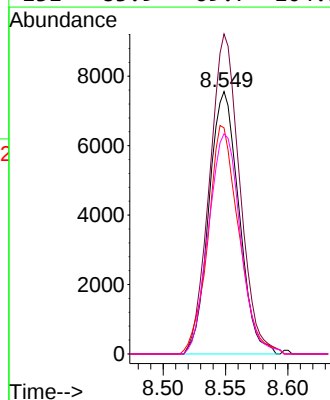
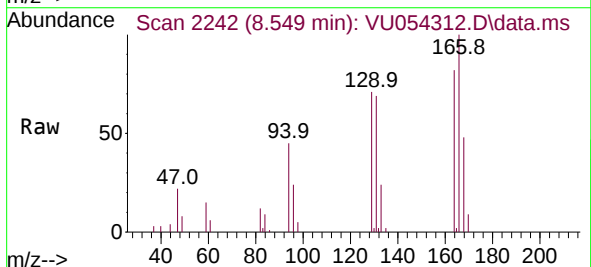
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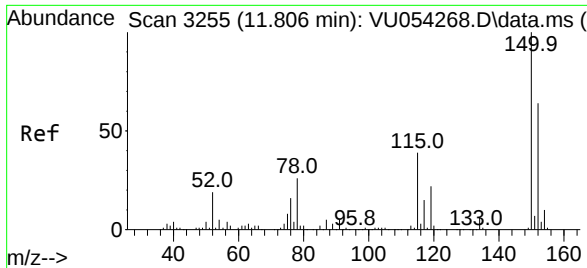
Tgt Ion:117 Resp: 400911
Ion Ratio Lower Upper
117 100
82 55.5 41.7 62.5
119 32.7 25.7 38.5



#64
Tetrachloroethene
Concen: 4.189 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion:164 Resp: 12641
Ion Ratio Lower Upper
164 100
166 121.9 100.0 150.0
129 86.1 72.0 108.0
131 83.9 69.7 104.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.806 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054312.D

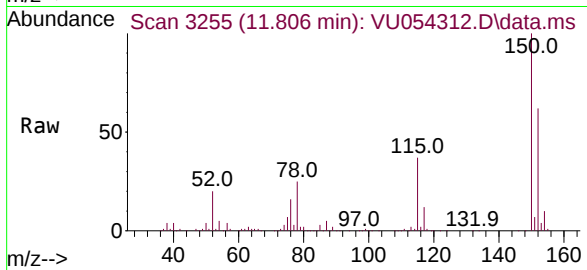
Acq: 30 May 2023 14:34

Instrument :

MSVOA_U

ClientSampleId :

RE134D4-20230523DL



Tgt Ion:152 Resp: 191815

Ion Ratio Lower Upper

152 100

115 57.6 37.0 110.9

150 155.8 0.0 342.2

