

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021324\
 Data File : VD078404.D
 Acq On : 13 Feb 2024 14:52
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Feb 14 01:29:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	160443	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	336765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	357354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	166046	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76395	44.037	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.080%
35) Dibromofluoromethane	7.810	113	104597	48.896	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.800%
50) Toluene-d8	10.269	98	430340	50.289	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.580%
62) 4-Bromofluorobenzene	12.575	95	140419	56.388	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.780%

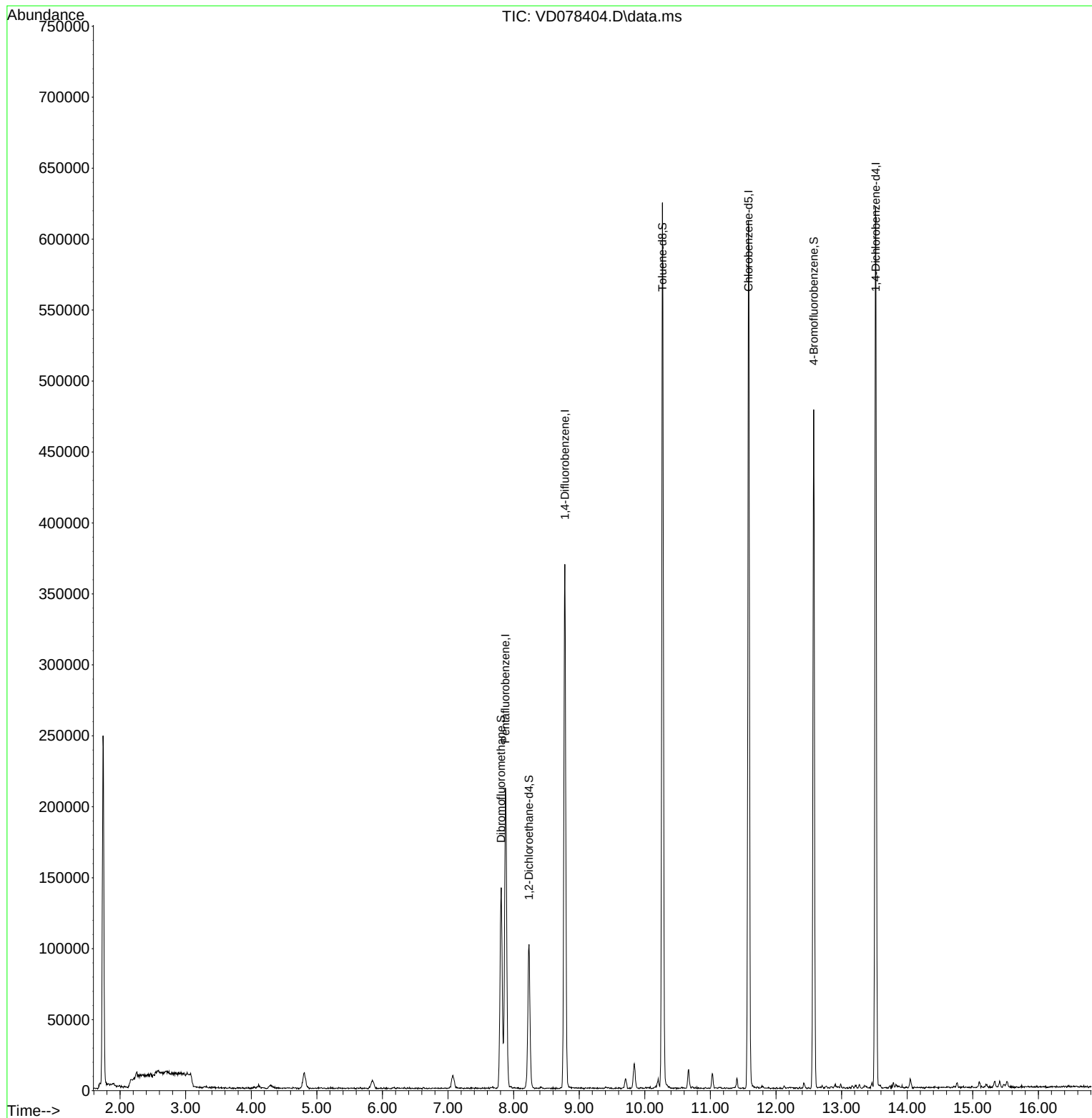
Target Compounds	Qvalue

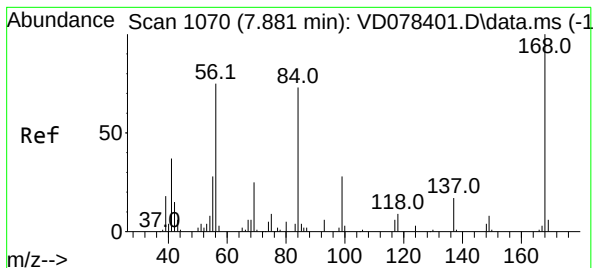
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078404.D

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Instrument :

MSVOA_D

ClientSampleId :

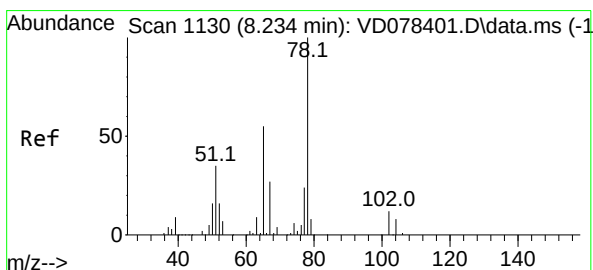
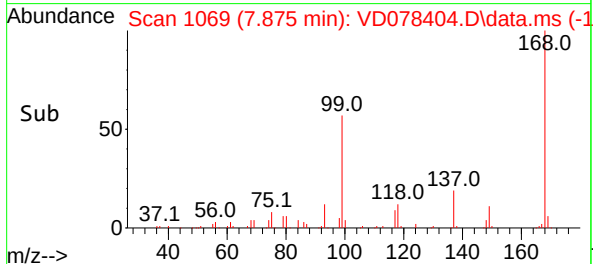
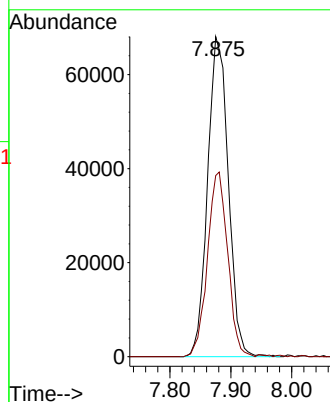
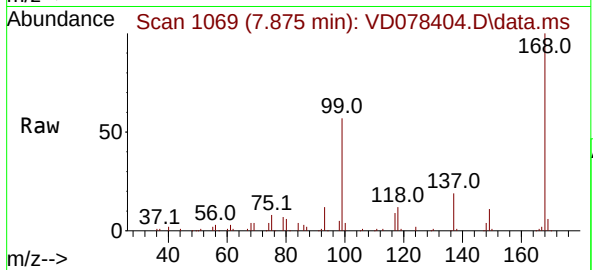
VIBLK

Tgt Ion:168 Resp: 160443

Ion Ratio Lower Upper

168 100

99 56.6 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 44.037 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078404.D

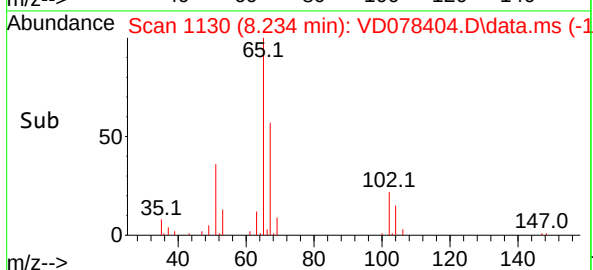
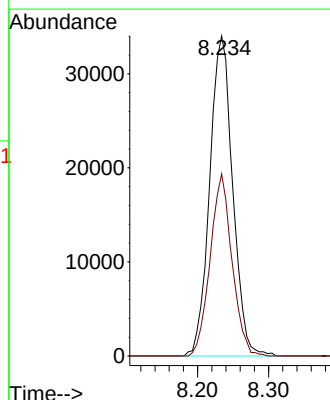
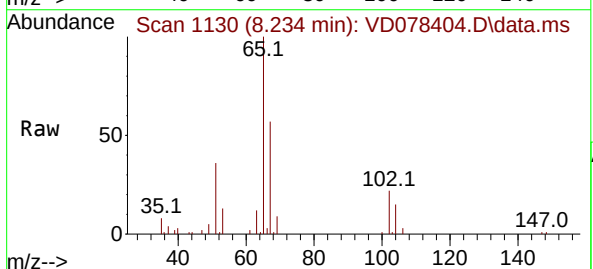
Acq: 13 Feb 2024 14:52

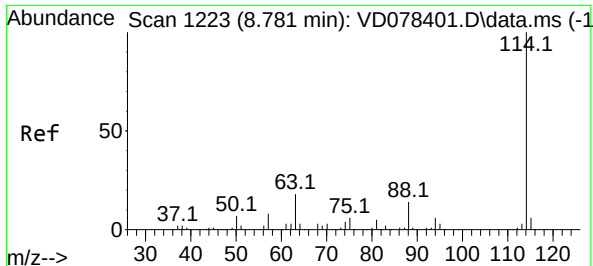
Tgt Ion: 65 Resp: 76395

Ion Ratio Lower Upper

65 100

67 54.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

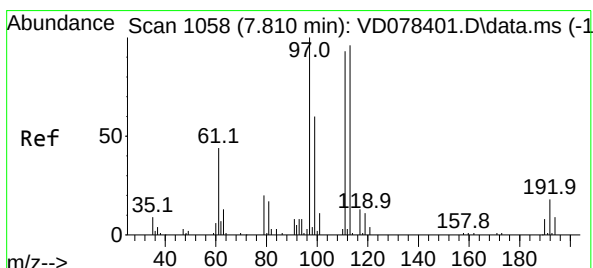
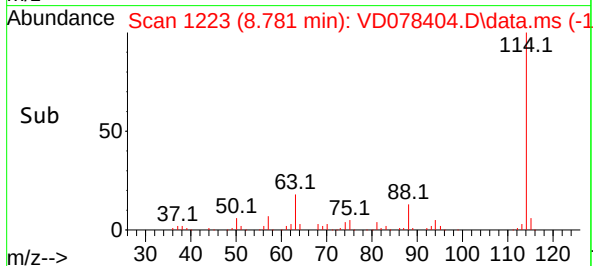
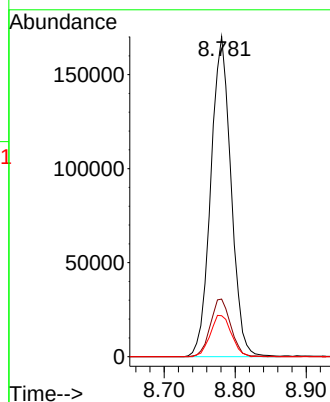
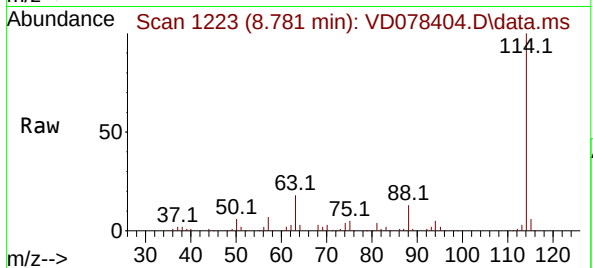
Tgt Ion:114 Resp: 336765

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

88 12.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.896 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

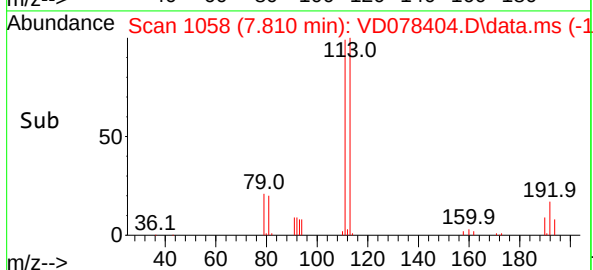
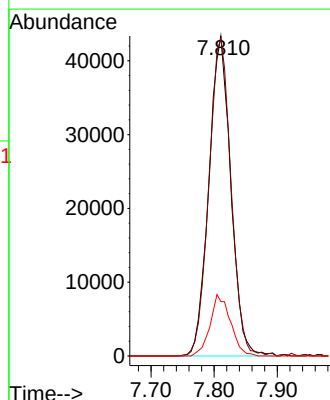
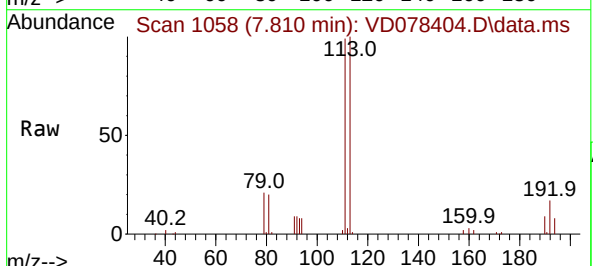
Tgt Ion:113 Resp: 104597

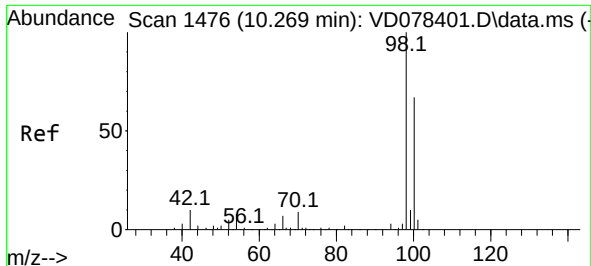
Ion Ratio Lower Upper

113 100

111 100.4 84.7 127.1

192 17.8 16.8 25.2

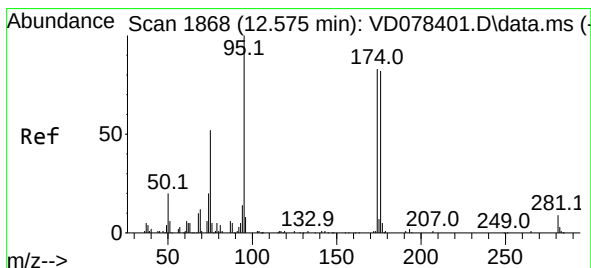
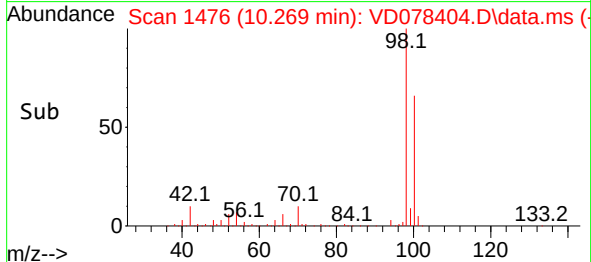
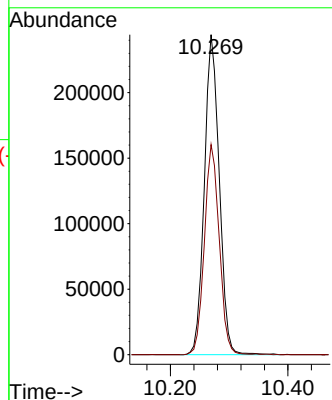
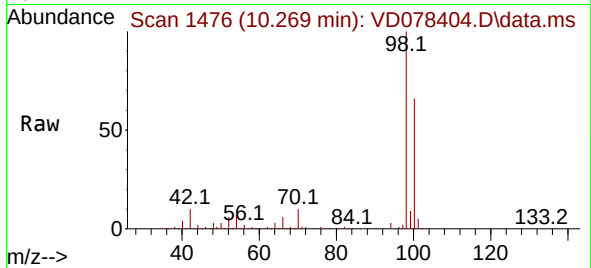




#50
Toluene-d8
Concen: 50.289 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

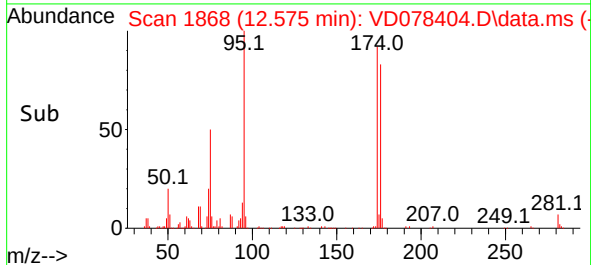
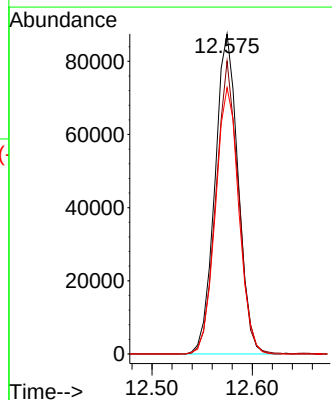
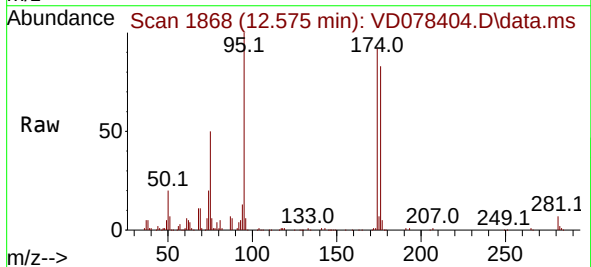
Instrument :
MSVOA_D
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VIBLK

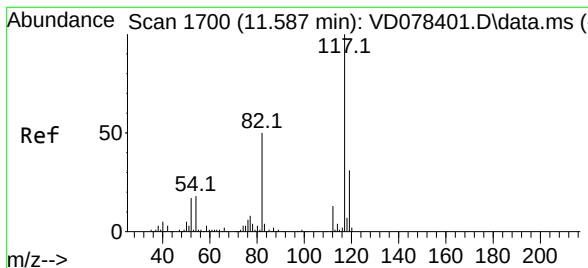
Tgt Ion: 98 Resp: 430340
Ion Ratio Lower Upper
98 100
100 65.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 56.388 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

Tgt Ion: 95 Resp: 140419
Ion Ratio Lower Upper
95 100
174 88.4 0.0 201.8
176 84.0 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. -0.006 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

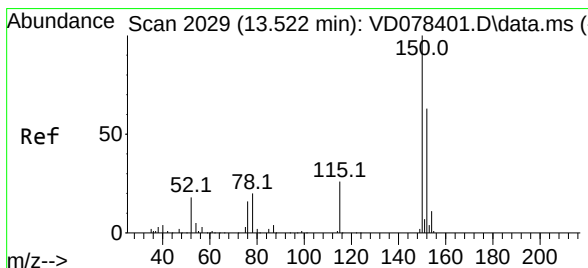
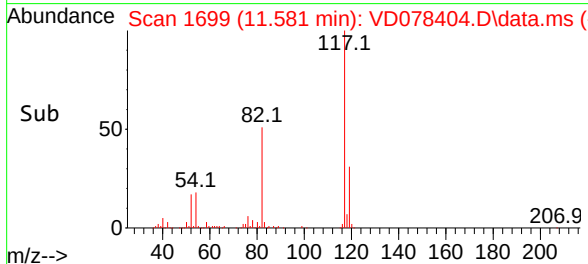
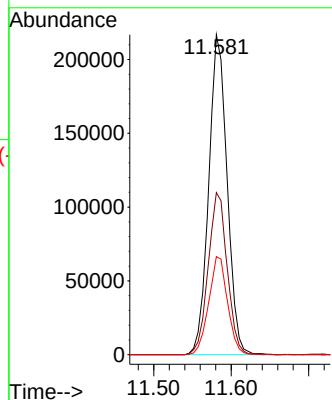
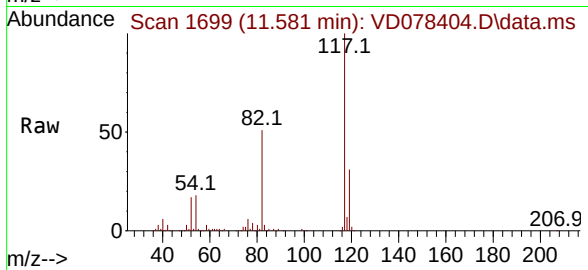
Tgt Ion:117 Resp: 357354

Ion Ratio Lower Upper

117 100

82 50.7 38.3 57.5

119 30.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.000 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

Tgt Ion:152 Resp: 166046

Ion Ratio Lower Upper

152 100

115 57.2 27.1 81.3

150 157.7 0.0 353.6

