

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077921.D
 Acq On : 16 Dec 2023 01:23
 Operator : RP/MD
 Sample : 05793-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-12122023

Quant Time: Dec 16 05:12:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	5836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	10030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	9404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	3125	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	3759	54.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.320%
35) Dibromofluoromethane	7.816	113	3309	47.099	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.200%
50) Toluene-d8	10.269	98	11721	41.654	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.300%
62) 4-Bromofluorobenzene	12.575	95	2984	35.470	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.940%

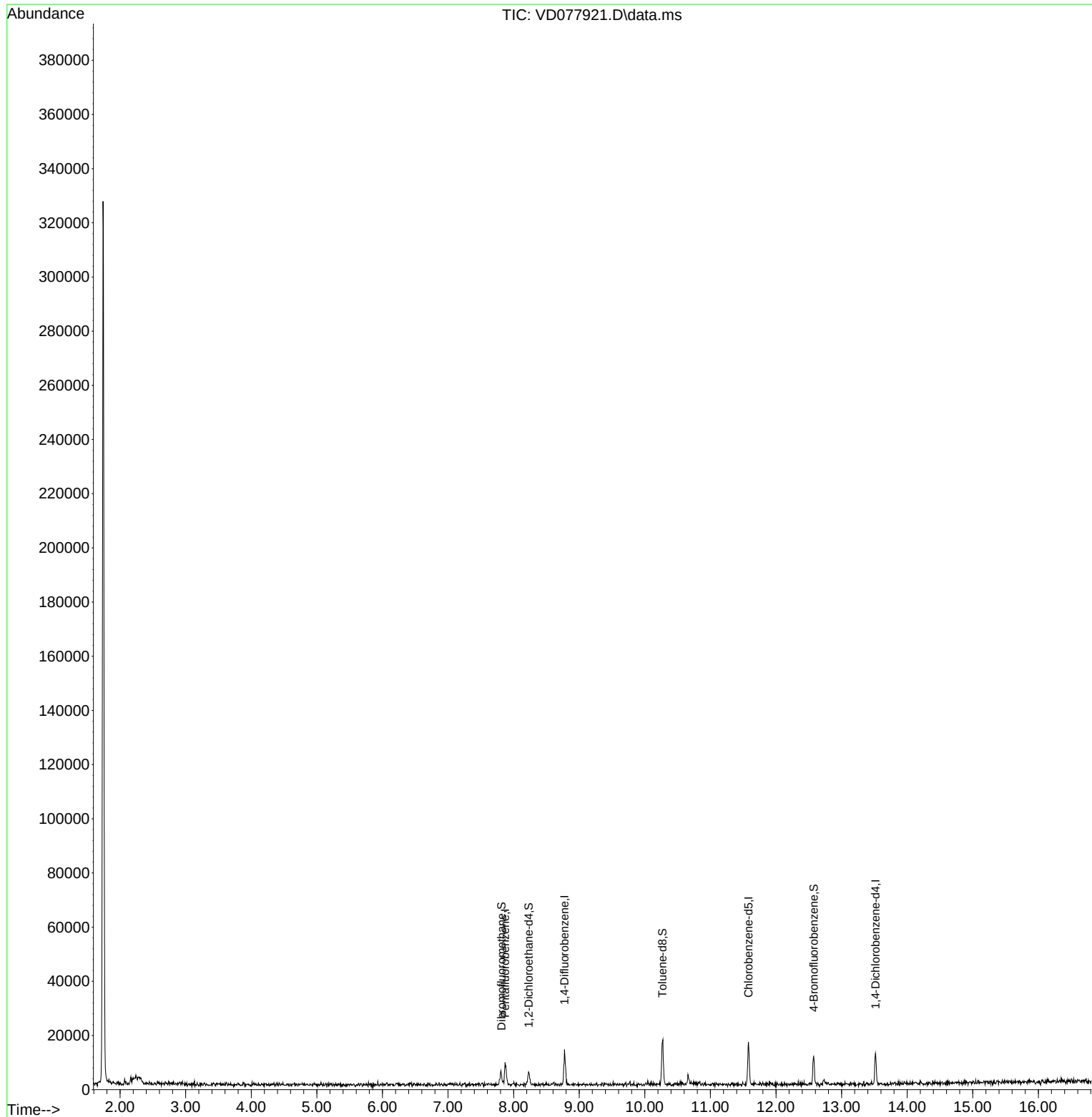
Target Compounds	Qvalue

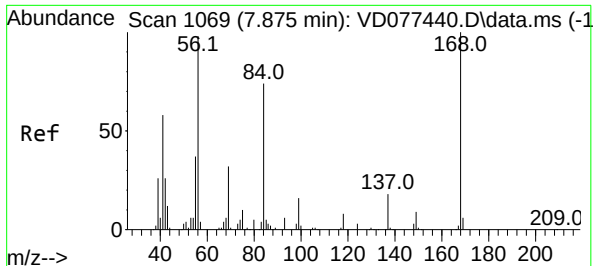
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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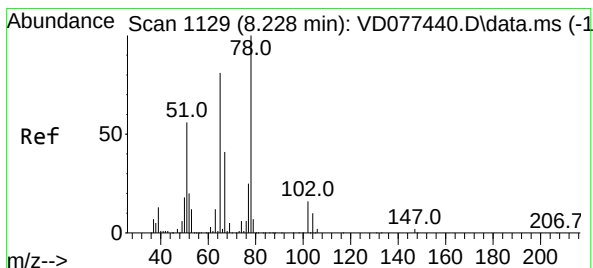
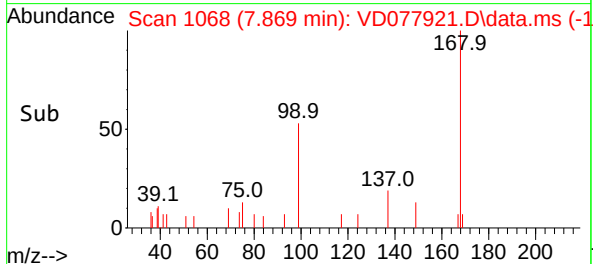
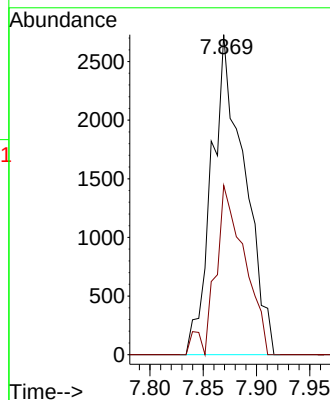
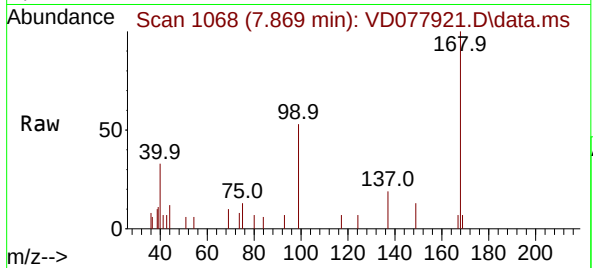




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077921.D
Acq: 16 Dec 2023 01:23

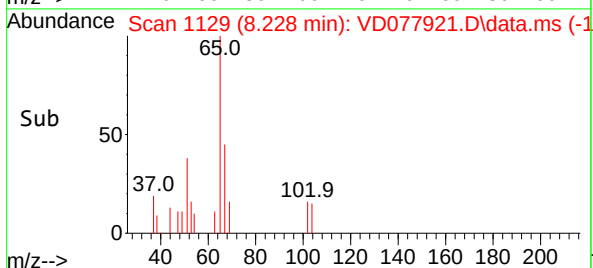
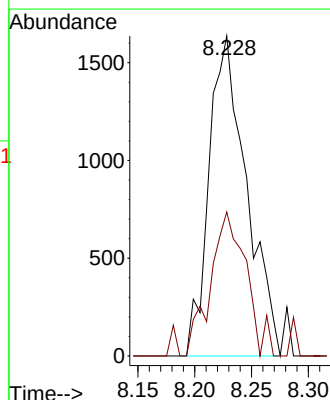
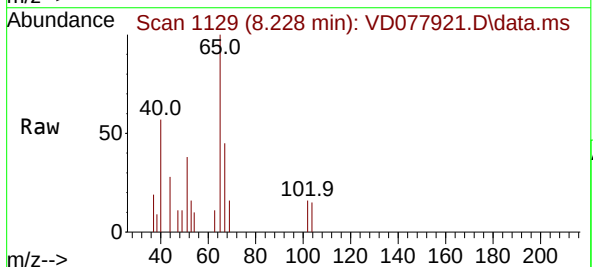
Instrument :
MSVOA_D
ClientSampleId :
OR-02-12122023

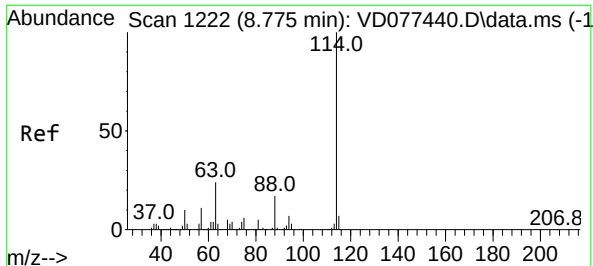
Tgt Ion:168 Resp: 5836
Ion Ratio Lower Upper
168 100
99 52.9 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 54.661 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077921.D
Acq: 16 Dec 2023 01:23

Tgt Ion: 65 Resp: 3759
Ion Ratio Lower Upper
65 100
67 42.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077921.D

Acq: 16 Dec 2023 01:23

Instrument :

MSVOA_D

ClientSampleId :

OR-02-12122023

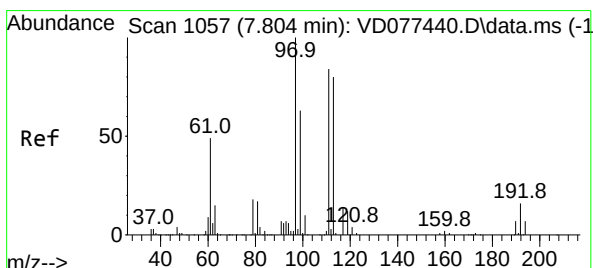
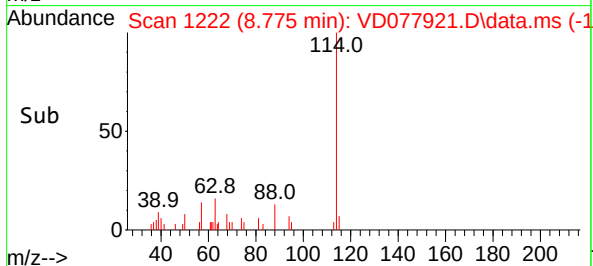
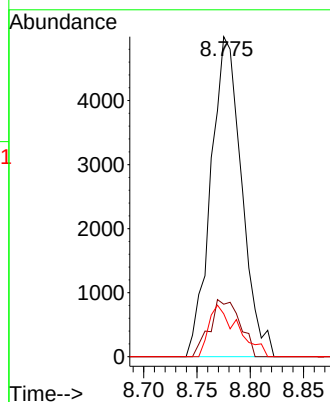
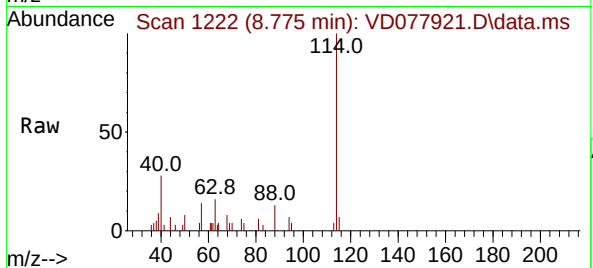
Tgt Ion:114 Resp: 10030

Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.4

88 13.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.099 ug/l

RT: 7.816 min Scan# 1059

Delta R.T. 0.012 min

Lab File: VD077921.D

Acq: 16 Dec 2023 01:23

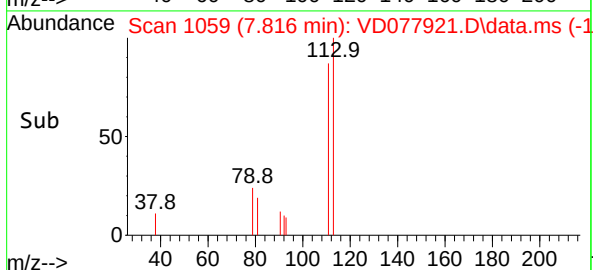
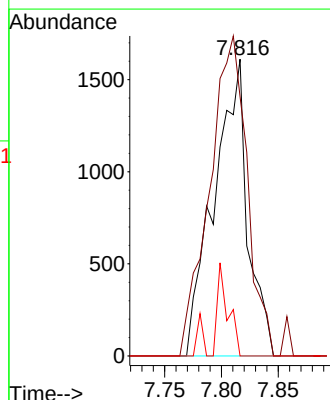
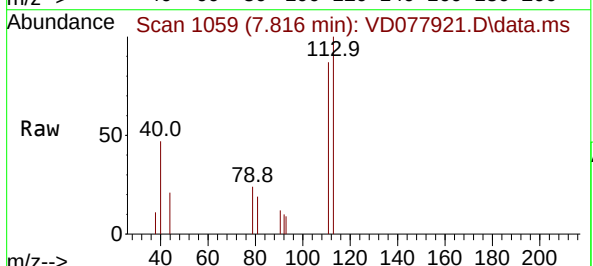
Tgt Ion:113 Resp: 3309

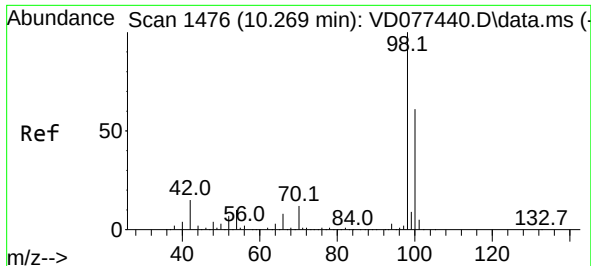
Ion Ratio Lower Upper

113 100

111 120.7 84.7 127.1

192 10.1 16.8 25.2#

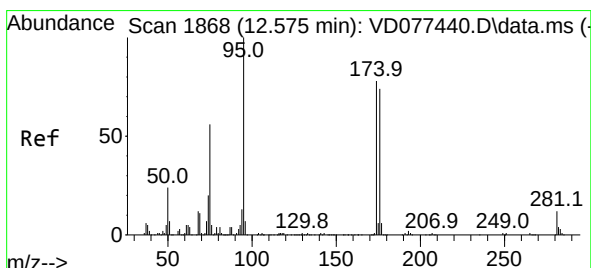
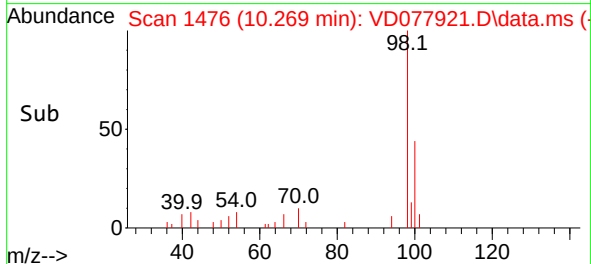
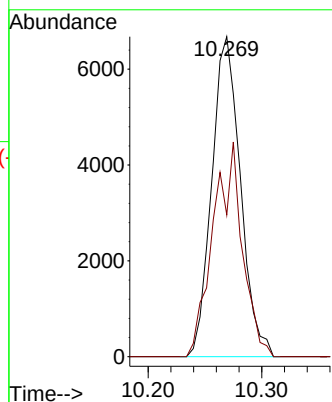
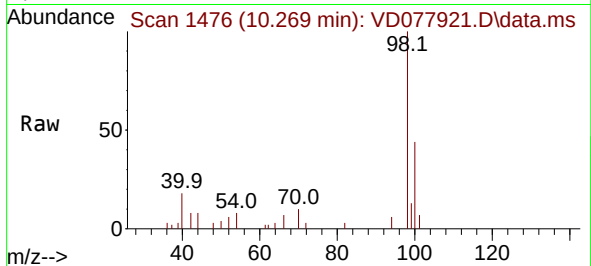




#50
Toluene-d8
Concen: 41.654 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077921.D
Acq: 16 Dec 2023 01:23

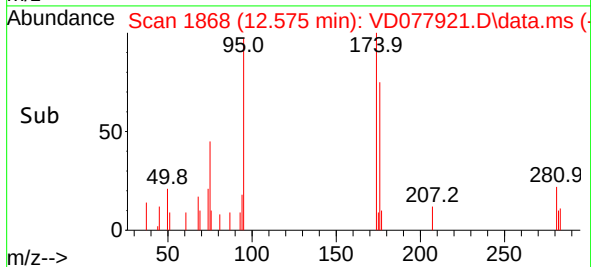
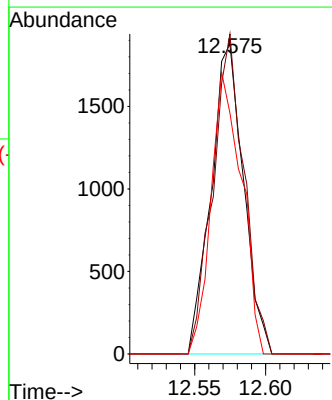
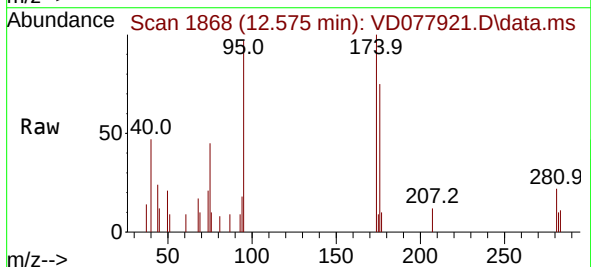
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MSVOA_D
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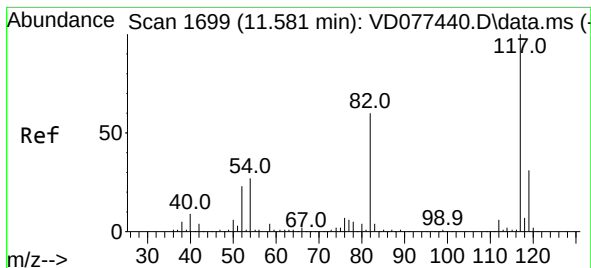
Tgt Ion: 98 Resp: 11721
Ion Ratio Lower Upper
98 100
100 68.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 35.470 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077921.D
Acq: 16 Dec 2023 01:23

Tgt Ion: 95 Resp: 2984
Ion Ratio Lower Upper
95 100
174 98.7 0.0 201.8
176 85.8 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077921.D

Acq: 16 Dec 2023 01:23

Instrument :

MSVOA_D

ClientSampleId :

OR-02-12122023

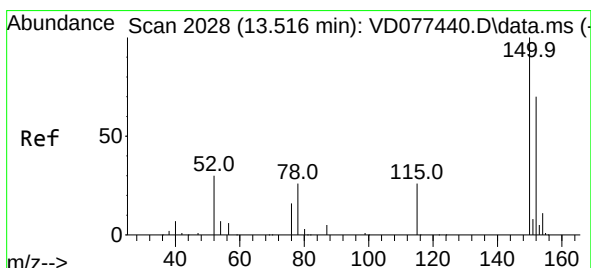
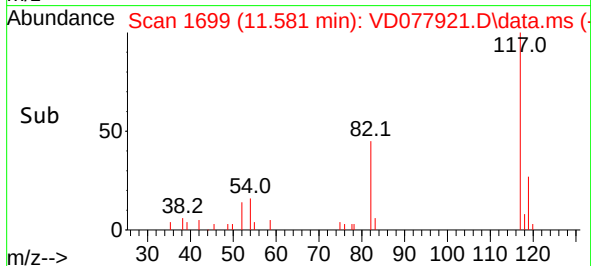
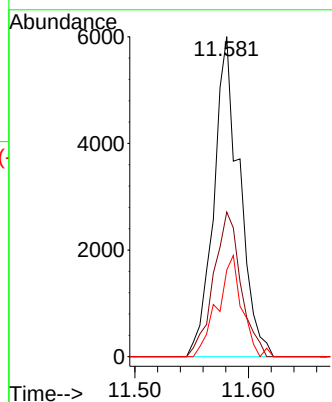
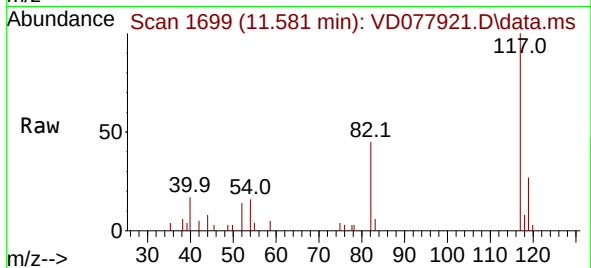
Tgt Ion:117 Resp: 9404

Ion Ratio Lower Upper

117 100

82 45.2 38.3 57.5

119 27.0 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077921.D

Acq: 16 Dec 2023 01:23

Tgt Ion:152 Resp: 3125

Ion Ratio Lower Upper

152 100

115 60.8 27.1 81.3

150 152.5 0.0 353.6

