

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077899.D
 Acq On : 15 Dec 2023 13:14
 Operator : RP/MD
 Sample : 05611-08
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-1-DUPLICATE

Quant Time: Dec 16 04:00:24 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	7.875	168	168188	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	313173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	304400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137265	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	88315	44.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.120%
35) Dibromofluoromethane	7.804	113	96179	43.844	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.680%
50) Toluene-d8	10.269	98	401718	45.723	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.440%
62) 4-Bromofluorobenzene	12.575	95	115789	44.080	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.160%

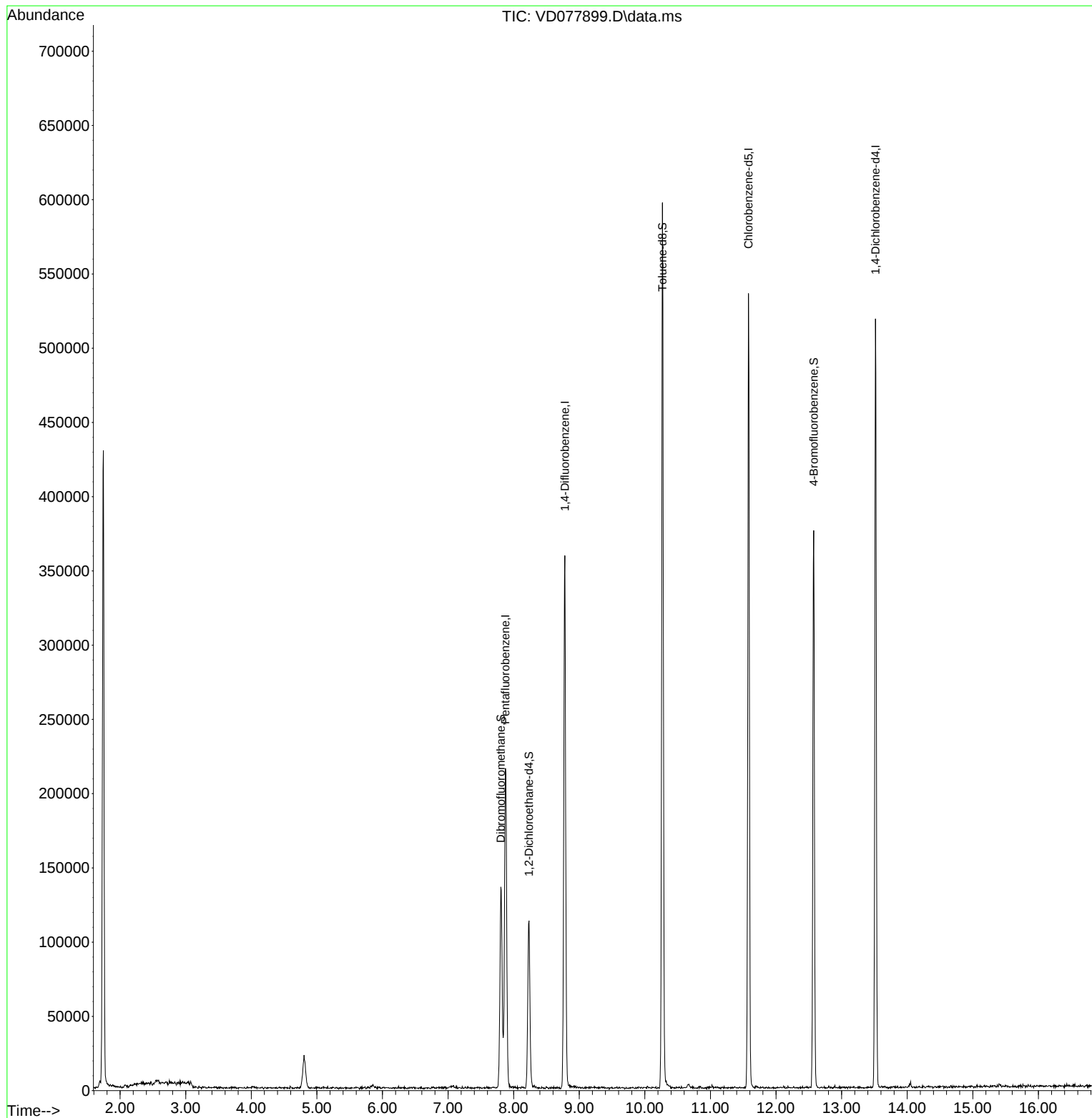
Target Compounds	Qvalue

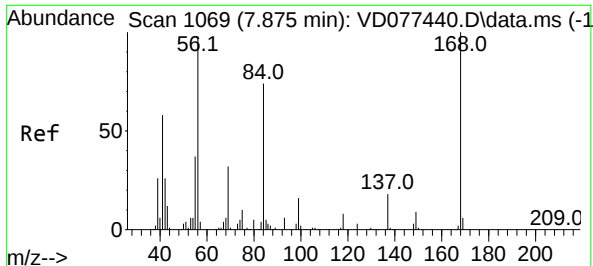
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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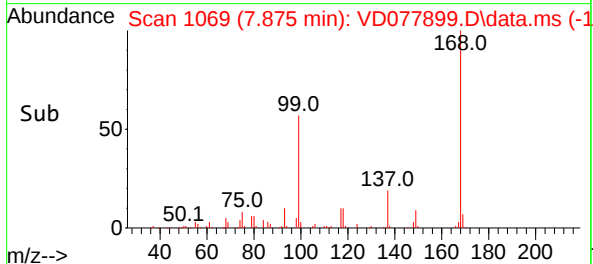
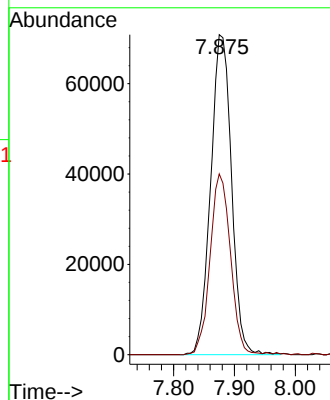
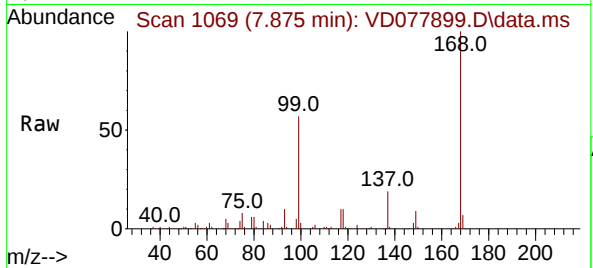




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD077899.D
Acq: 15 Dec 2023 13:14

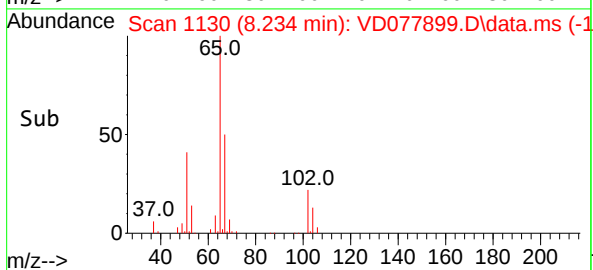
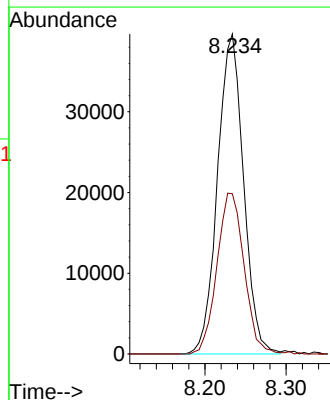
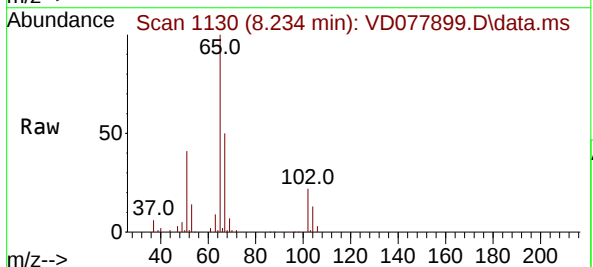
Instrument :
MSVOA_D
ClientSampleId :
PE-1-DUPLICATE

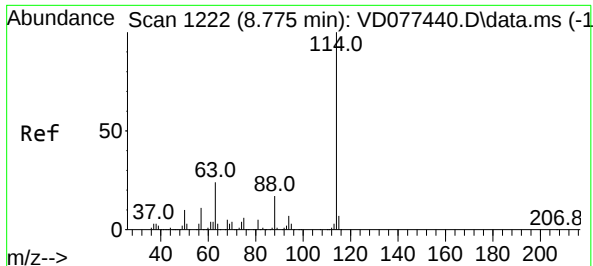
Tgt Ion:168 Resp: 168188
Ion Ratio Lower Upper
168 100
99 56.5 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 44.562 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077899.D
Acq: 15 Dec 2023 13:14

Tgt Ion: 65 Resp: 88315
Ion Ratio Lower Upper
65 100
67 52.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077899.D

Acq: 15 Dec 2023 13:14

Instrument :

MSVOA_D

ClientSampleId :

PE-1-DUPLICATE

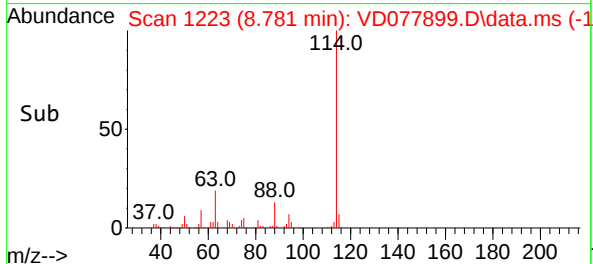
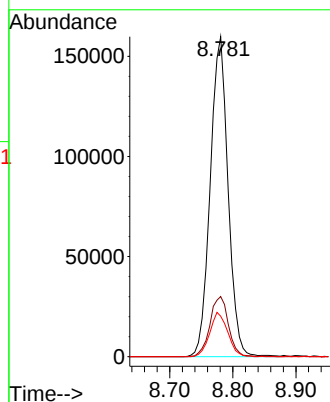
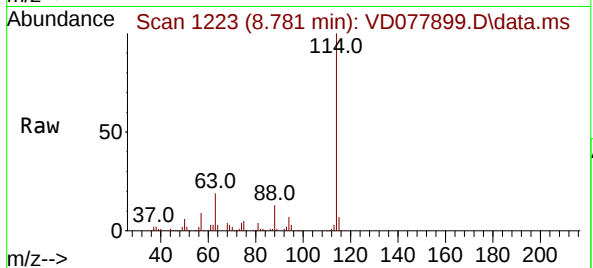
Tgt Ion:114 Resp: 313173

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 12.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.844 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077899.D

Acq: 15 Dec 2023 13:14

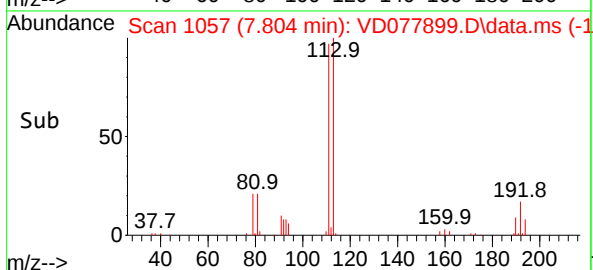
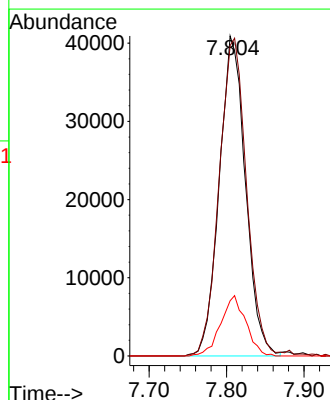
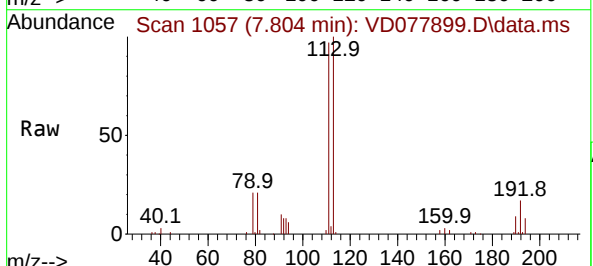
Tgt Ion:113 Resp: 96179

Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 18.1 16.8 25.2

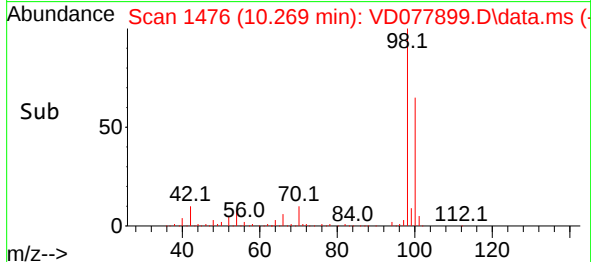
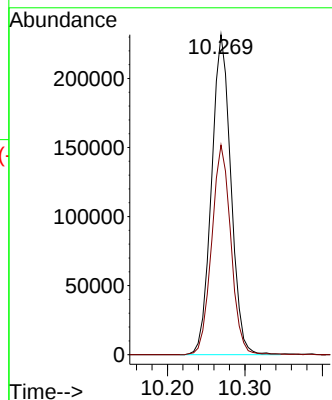
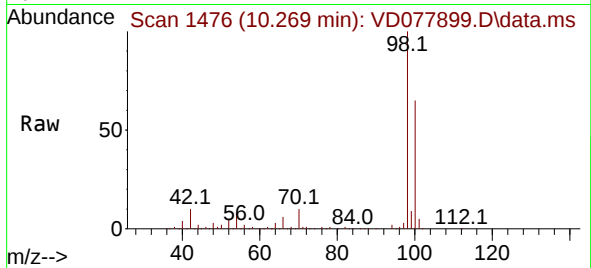




#50
Toluene-d8
Concen: 45.723 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077899.D
Acq: 15 Dec 2023 13:14

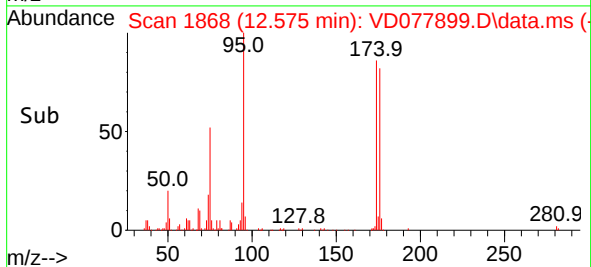
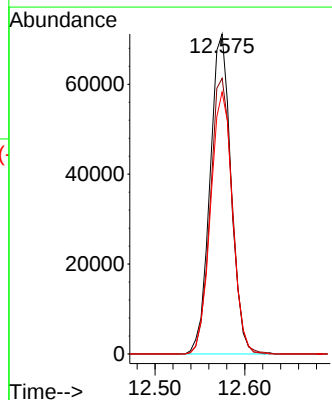
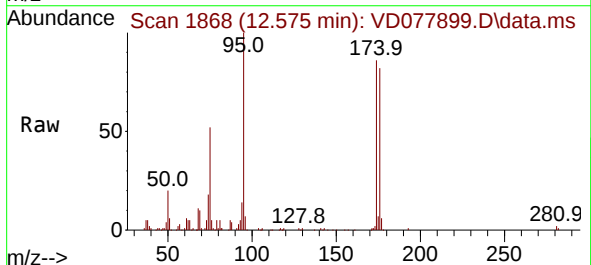
Instrument :
MSVOA_D
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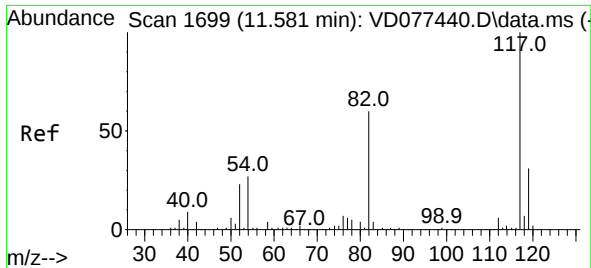
Tgt Ion: 98 Resp: 401718
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.080 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077899.D
Acq: 15 Dec 2023 13:14

Tgt Ion: 95 Resp: 115789
Ion Ratio Lower Upper
95 100
174 89.8 0.0 201.8
176 85.3 0.0 191.8

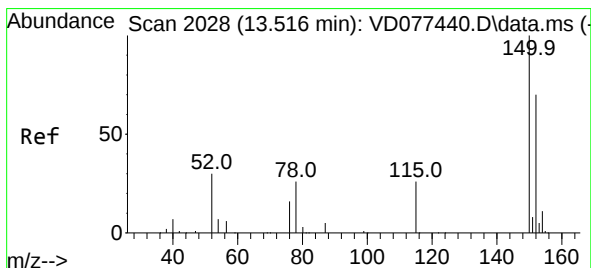
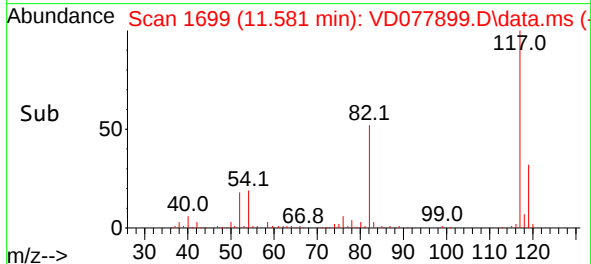
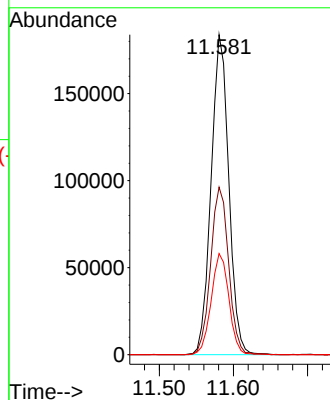
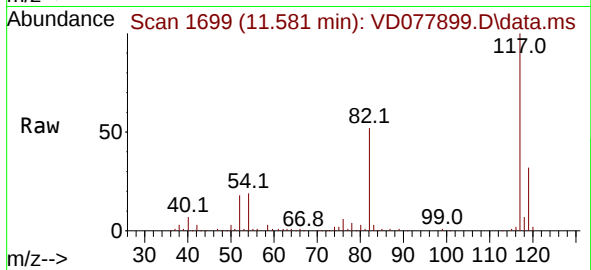




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077899.D
Acq: 15 Dec 2023 13:14

Instrument :
MSVOA_D
ClientSampleId :
PE-1-DUPLICATE

Tgt Ion:117 Resp: 304400
Ion Ratio Lower Upper
117 100
82 52.3 38.3 57.5
119 31.6 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: VD077899.D
Acq: 15 Dec 2023 13:14

Tgt Ion:152 Resp: 137265
Ion Ratio Lower Upper
152 100
115 56.0 27.1 81.3
150 155.9 0.0 353.6

