

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077869.D
 Acq On : 13 Dec 2023 18:19
 Operator : RP/MD
 Sample : 05611-04
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-4

Quant Time: Dec 14 01:55:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	187827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	330197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	307421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133316	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78676	35.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.100%
35) Dibromofluoromethane	7.804	113	94530	40.871	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.740%
50) Toluene-d8	10.269	98	419947	45.333	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.660%
62) 4-Bromofluorobenzene	12.575	95	113854	41.109	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.220%

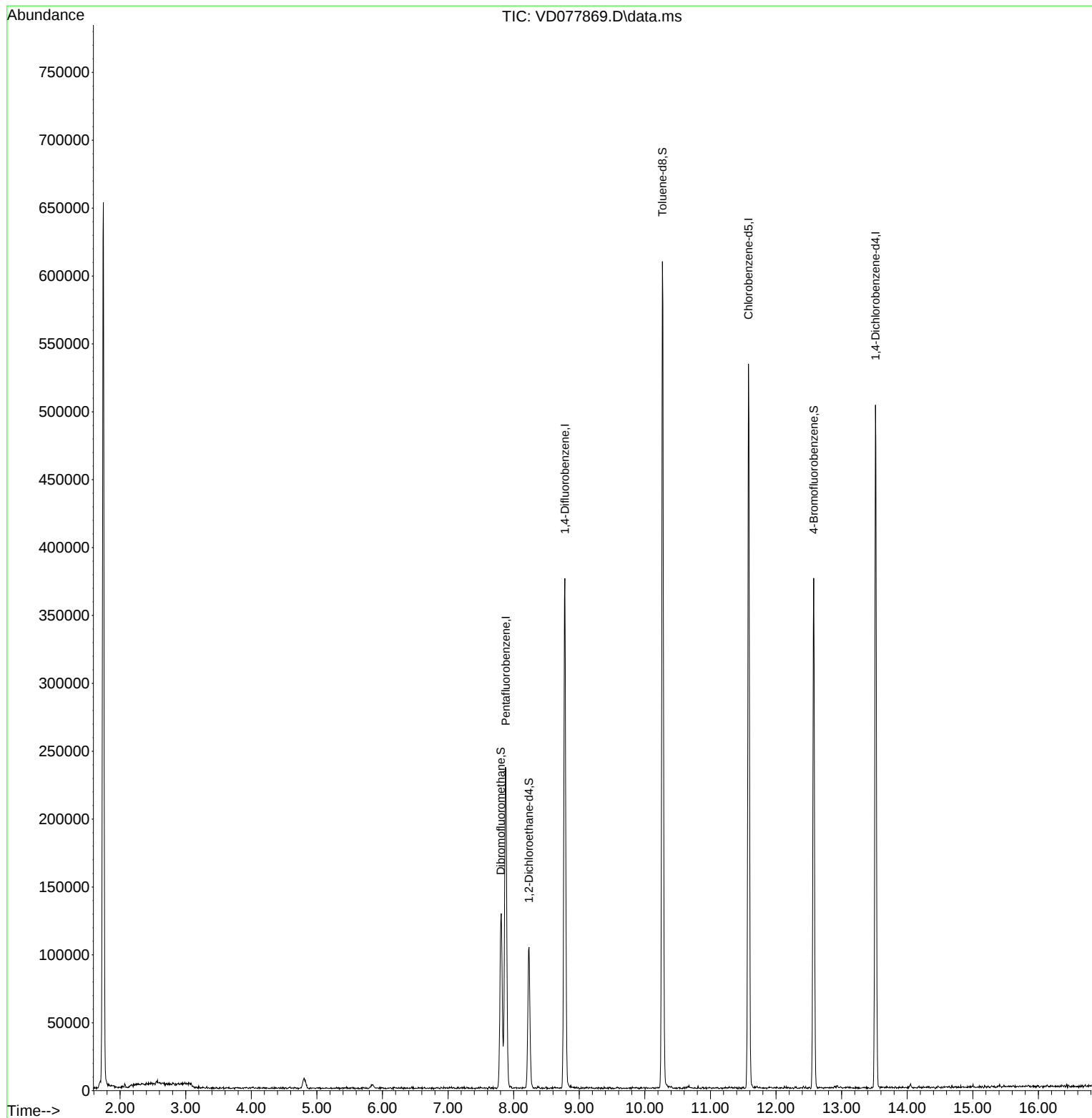
Target Compounds	Qvalue

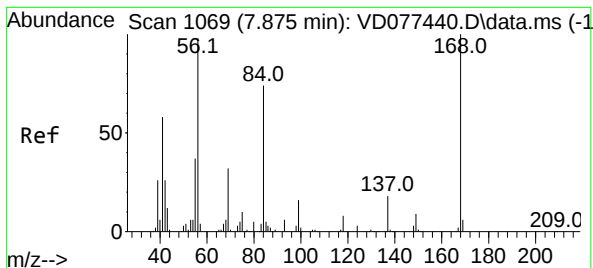
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD077869.D

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Instrument :

MSVOA_D

ClientSampleId :

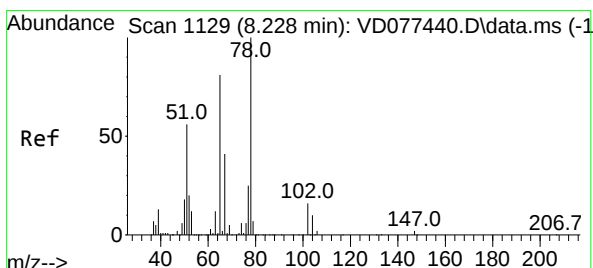
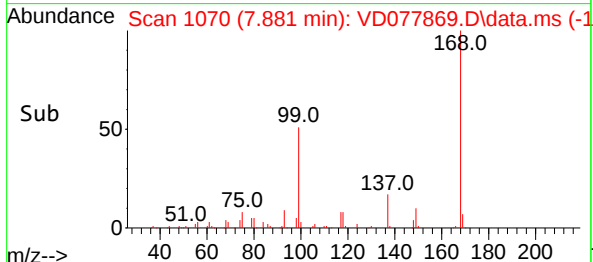
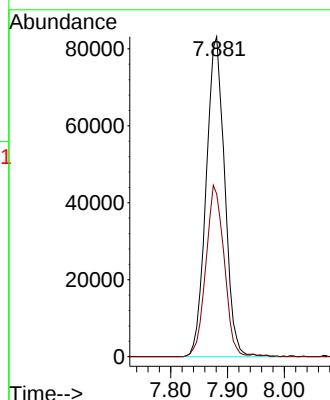
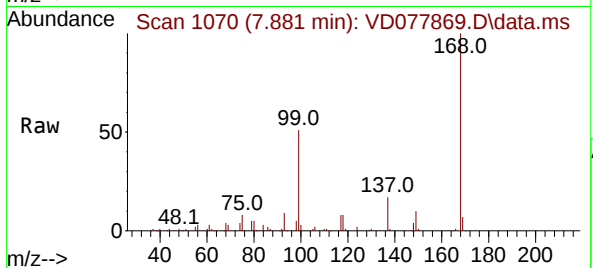
PE-4

Tgt Ion:168 Resp: 187827

Ion Ratio Lower Upper

168 100

99 50.8 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 35.547 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077869.D

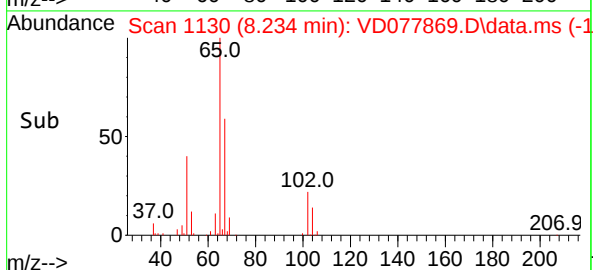
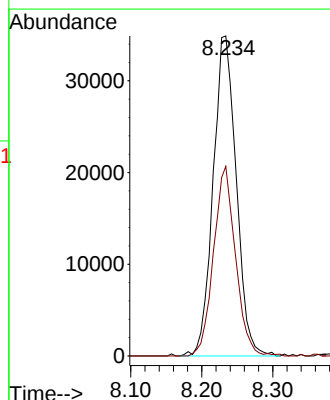
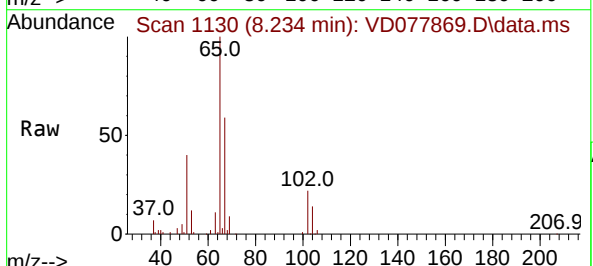
Acq: 13 Dec 2023 18:19

Tgt Ion: 65 Resp: 78676

Ion Ratio Lower Upper

65 100

67 56.5 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: VD077869.D

Acq: 13 Dec 2023 18:19

Instrument :

MSVOA_D

ClientSampleId :

PE-4

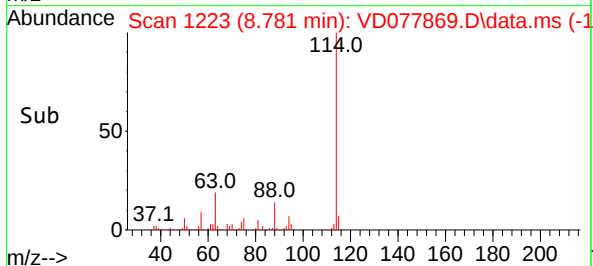
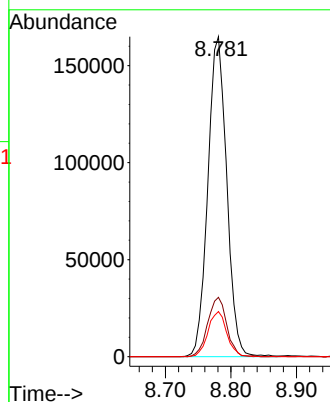
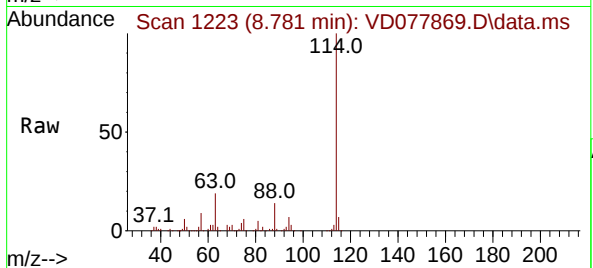
Tgt Ion:114 Resp: 330197

Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 40.871 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077869.D

Acq: 13 Dec 2023 18:19

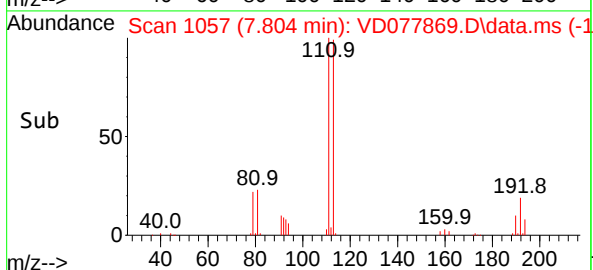
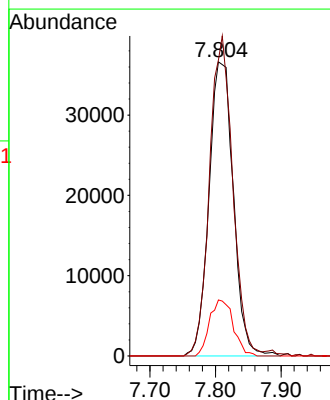
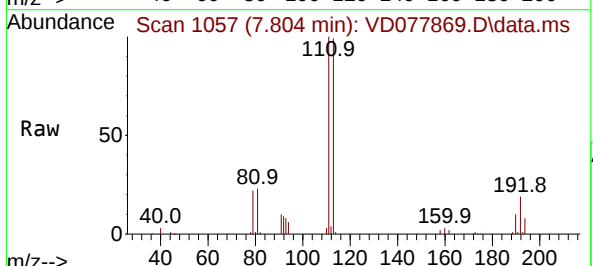
Tgt Ion:113 Resp: 94530

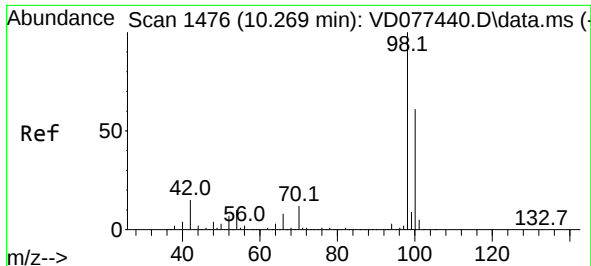
Ion Ratio Lower Upper

113 100

111 103.4 84.7 127.1

192 18.5 16.8 25.2

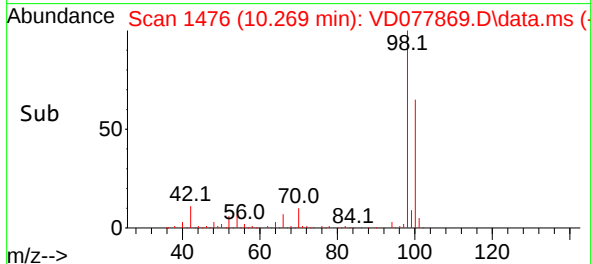
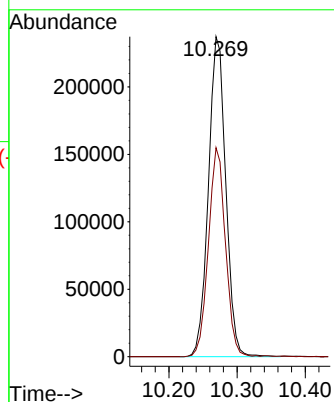
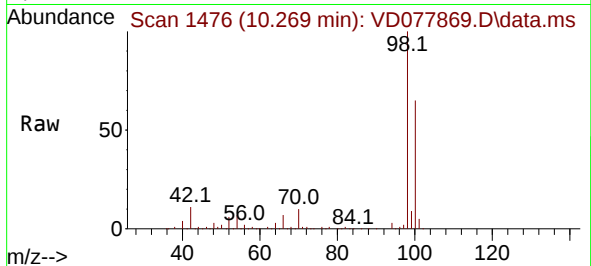




#50
Toluene-d8
Concen: 45.333 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

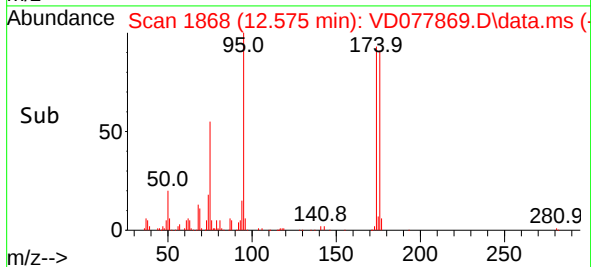
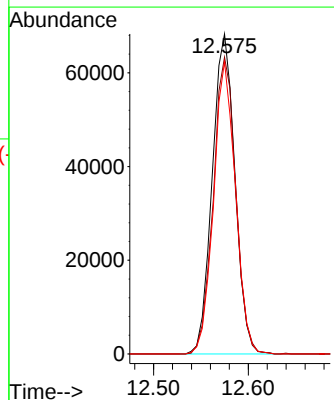
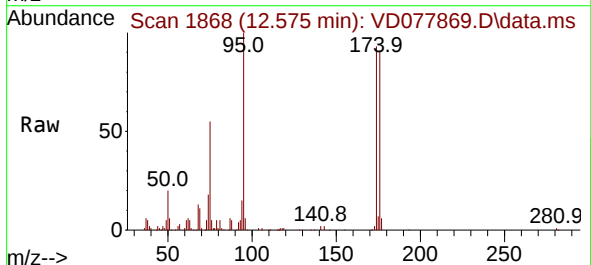
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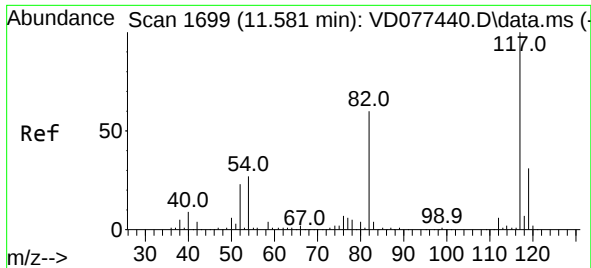
Tgt Ion: 98 Resp: 419947
Ion Ratio Lower Upper
98 100
100 64.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.109 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

Tgt Ion: 95 Resp: 113854
Ion Ratio Lower Upper
95 100
174 91.7 0.0 201.8
176 88.2 0.0 191.8

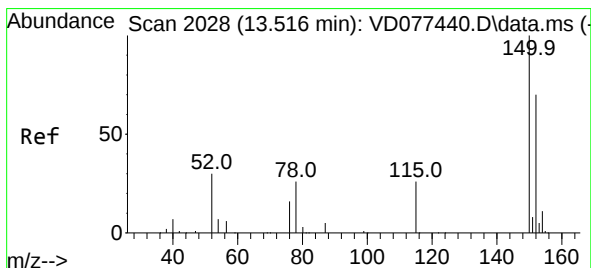
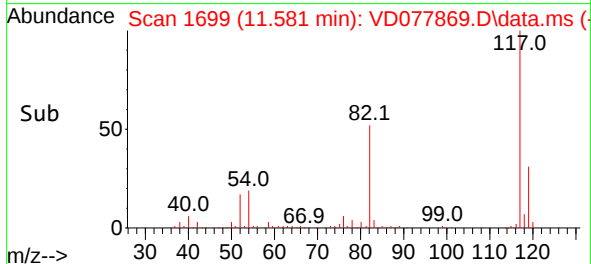
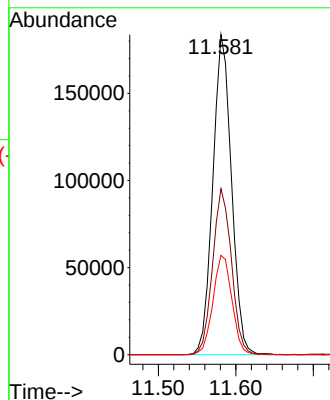
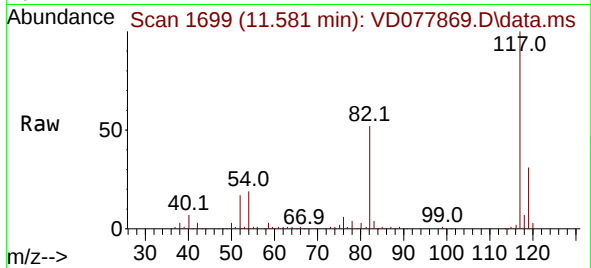




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

Instrument :
MSVOA_D
ClientSampleId :
PE-4

Tgt Ion:117 Resp: 307421
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 31.1 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: VD077869.D
Acq: 13 Dec 2023 18:19

Tgt Ion:152 Resp: 133316
Ion Ratio Lower Upper
152 100
115 57.0 27.1 81.3
150 156.5 0.0 353.6

