

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077900.D
 Acq On : 15 Dec 2023 13:41
 Operator : RP/MD
 Sample : 05611-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-1

Quant Time: Dec 16 04:00:51 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	7.881	168	72341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	134956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	137076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64826	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	49510	58.081	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.160%
35) Dibromofluoromethane	7.804	113	45671	48.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.620%
50) Toluene-d8	10.269	98	173175	45.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.480%
62) 4-Bromofluorobenzene	12.569	95	52569	46.441	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.880%

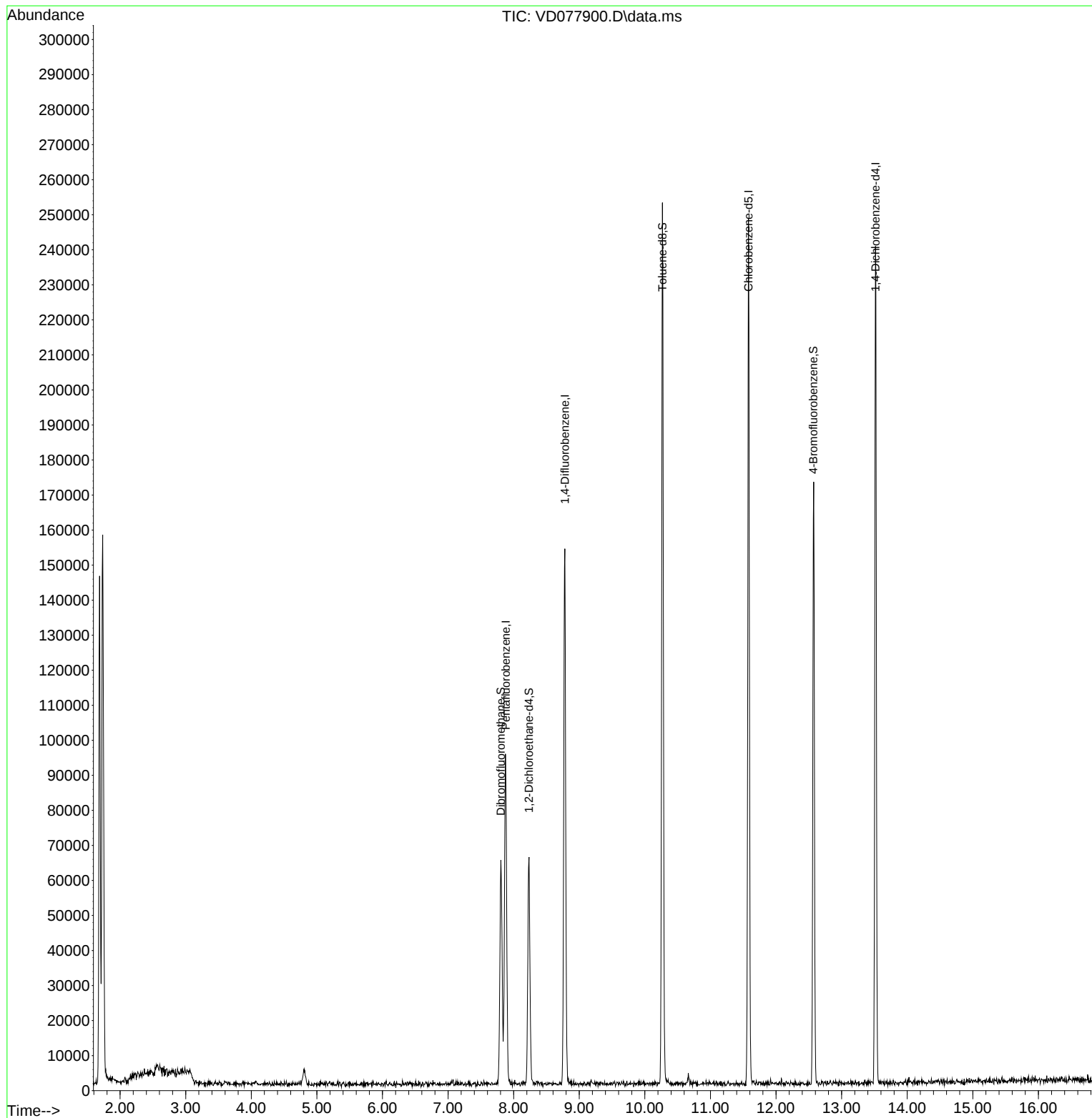
Target Compounds	Qvalue

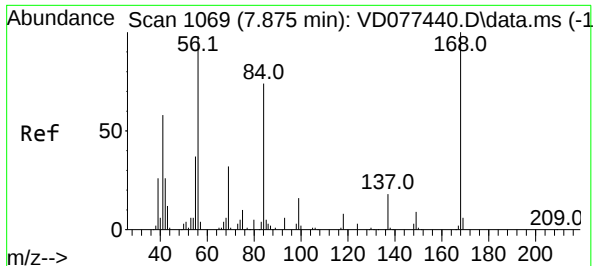
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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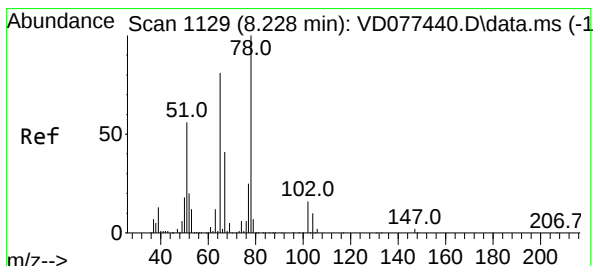
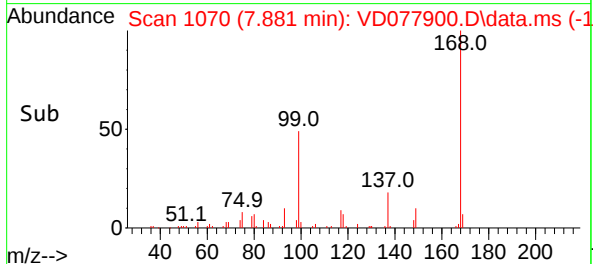
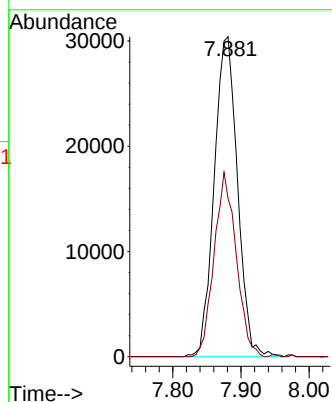
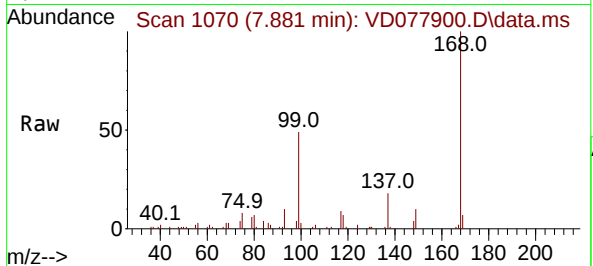




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

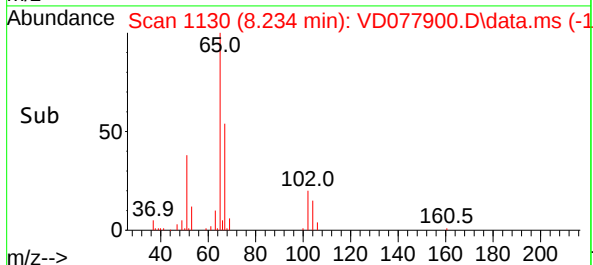
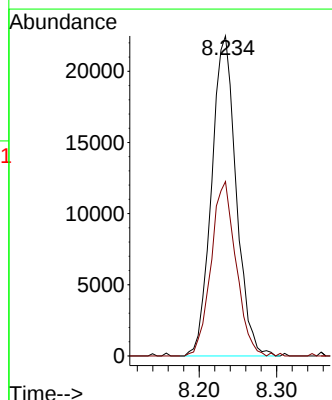
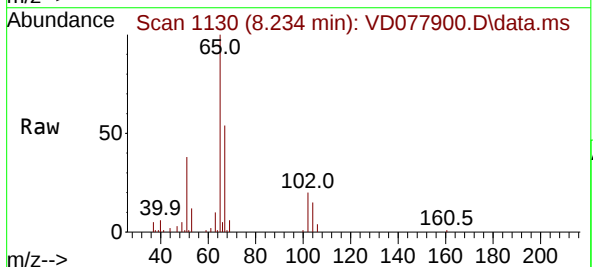
Instrument :
MSVOA_D
ClientSampleId :
PE-1

Tgt Ion:168 Resp: 72341
Ion Ratio Lower Upper
168 100
99 49.5 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 58.081 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

Tgt Ion: 65 Resp: 49510
Ion Ratio Lower Upper
65 100
67 55.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077900.D

Acq: 15 Dec 2023 13:41

Instrument :

MSVOA_D

ClientSampleId :

PE-1

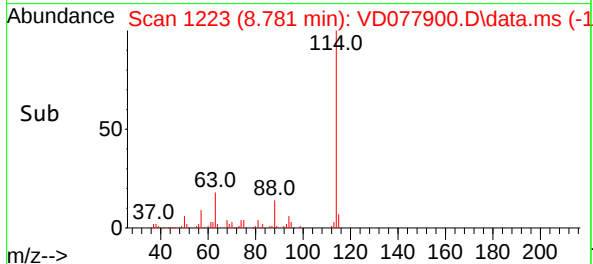
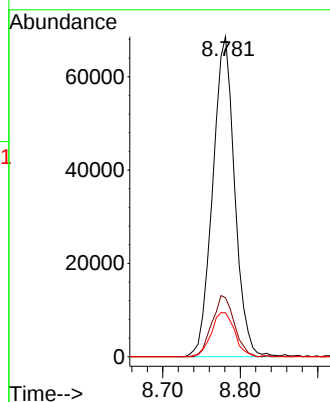
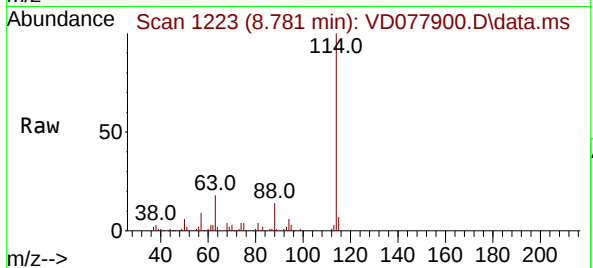
Tgt Ion:114 Resp: 134956

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.313 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077900.D

Acq: 15 Dec 2023 13:41

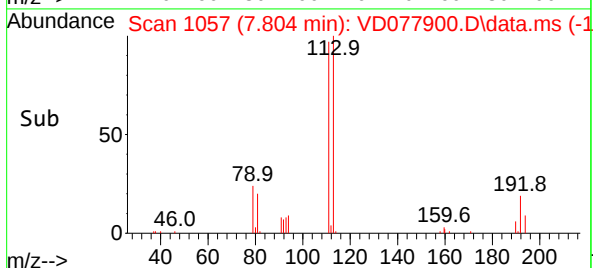
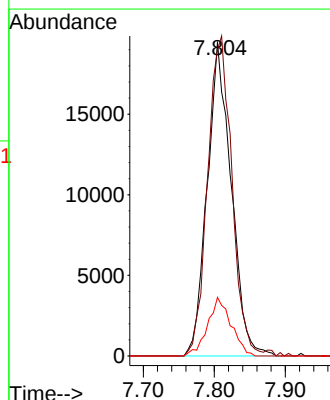
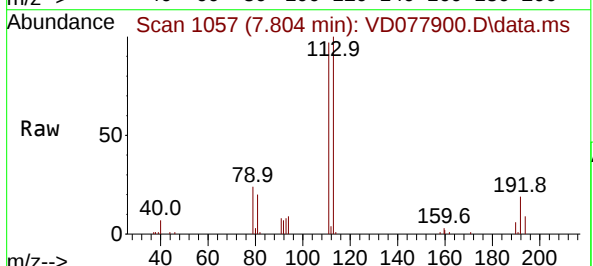
Tgt Ion:113 Resp: 45671

Ion Ratio Lower Upper

113 100

111 102.8 84.7 127.1

192 18.3 16.8 25.2

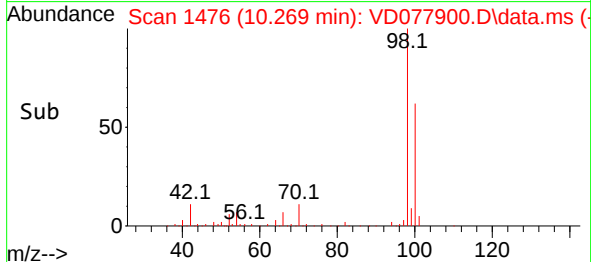
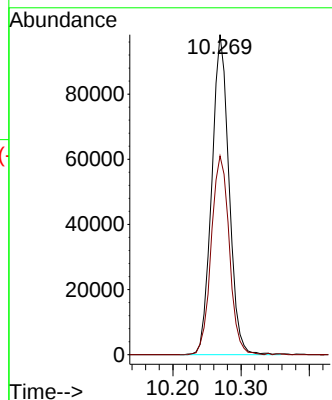
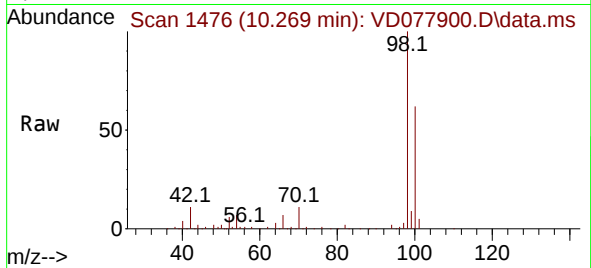




#50
Toluene-d8
Concen: 45.739 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

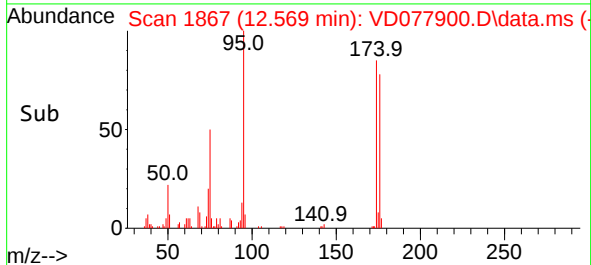
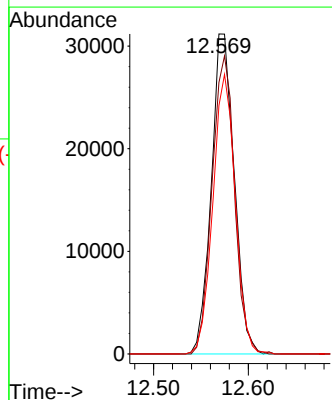
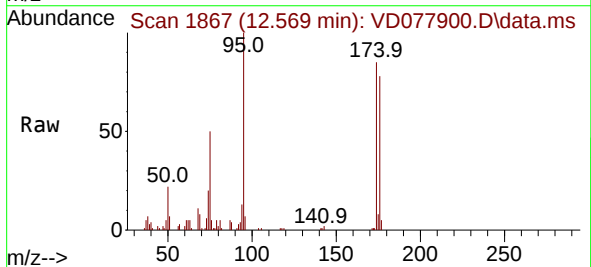
Instrument :
MSVOA_D
ClientSampleId :
PE-1

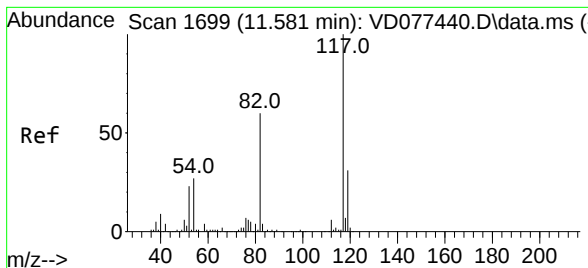
Tgt Ion: 98 Resp: 173175
Ion Ratio Lower Upper
98 100
100 64.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 46.441 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

Tgt Ion: 95 Resp: 52569
Ion Ratio Lower Upper
95 100
174 91.6 0.0 201.8
176 85.4 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: VD077900.D

Acq: 15 Dec 2023 13:41

Instrument :

MSVOA_D

ClientSampleId :

PE-1

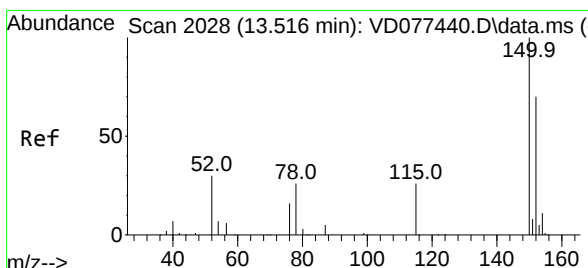
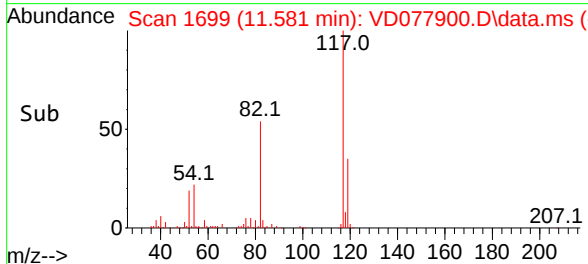
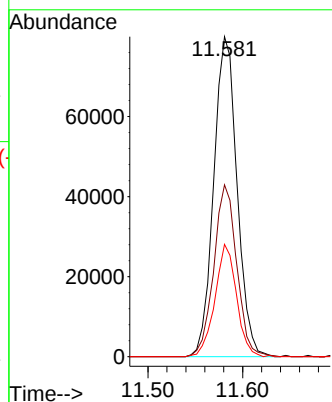
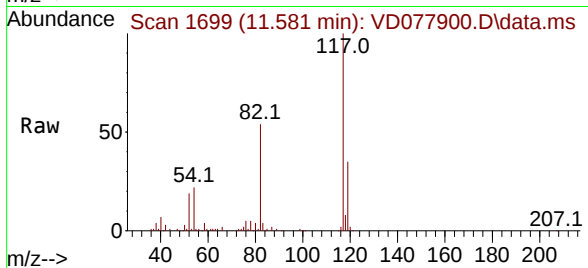
Tgt Ion:117 Resp: 137076

Ion Ratio Lower Upper

117 100

82 53.7 38.3 57.5

119 35.1 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: VD077900.D

Acq: 15 Dec 2023 13:41

Tgt Ion:152 Resp: 64826

Ion Ratio Lower Upper

152 100

115 57.3 27.1 81.3

150 154.7 0.0 353.6

