

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077967.D
 Acq On : 19 Dec 2023 11:58
 Operator : RP/MD
 Sample : VD1219SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBL02

Quant Time: Dec 20 02:01:29 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	200059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	352635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	333611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	149891	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	92161	39.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.180%
35) Dibromofluoromethane	7.811	113	105108	42.552	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.100%
50) Toluene-d8	10.269	98	445346	45.016	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.040%
62) 4-Bromofluorobenzene	12.575	95	127075	42.963	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.920%

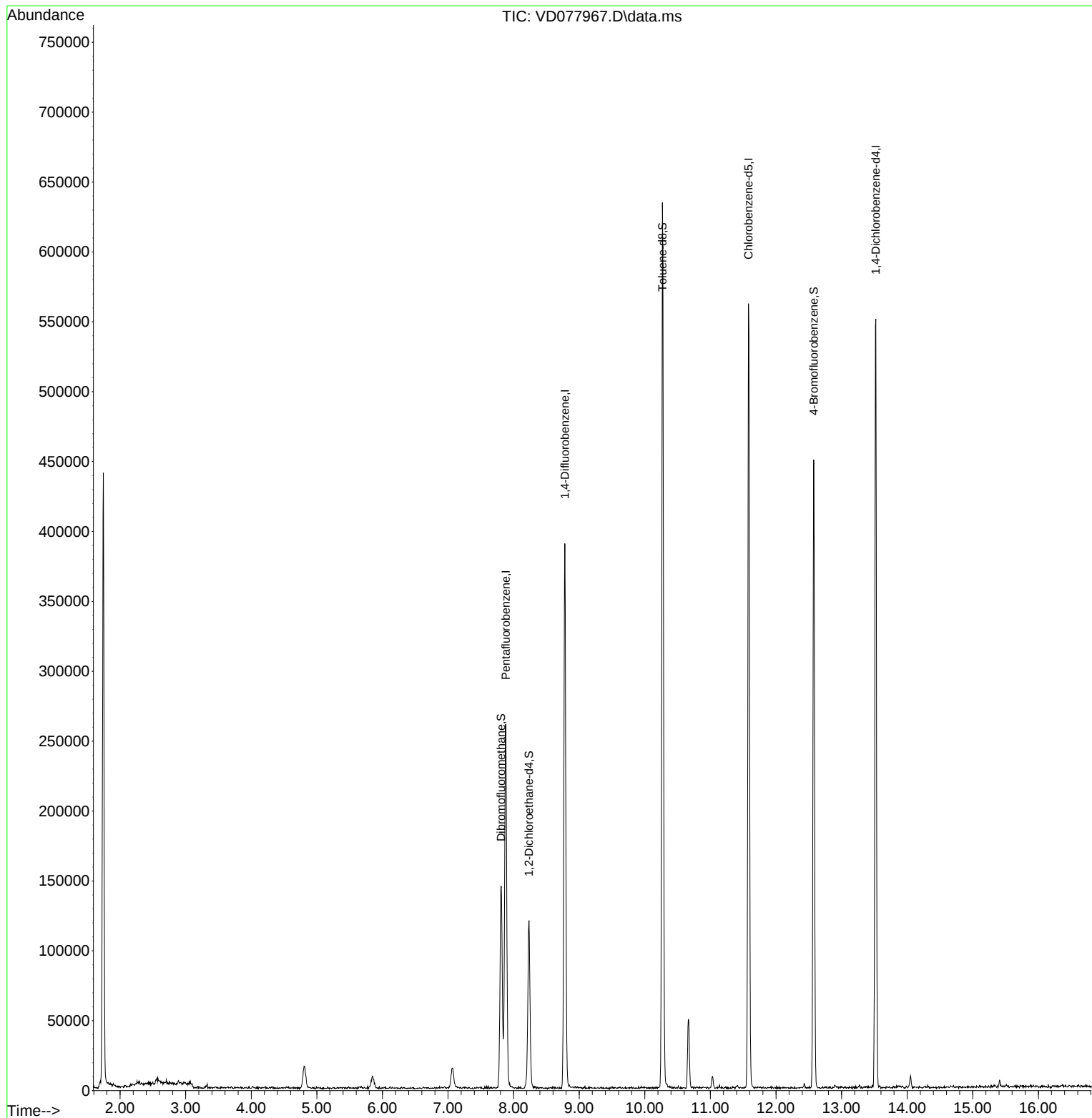
Target Compounds	Qvalue

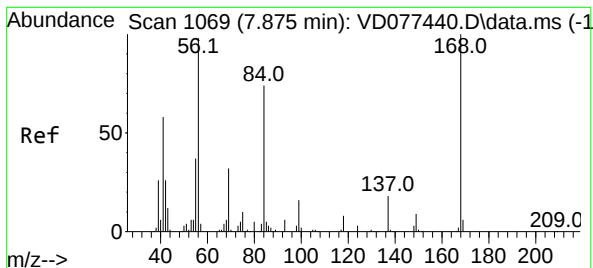
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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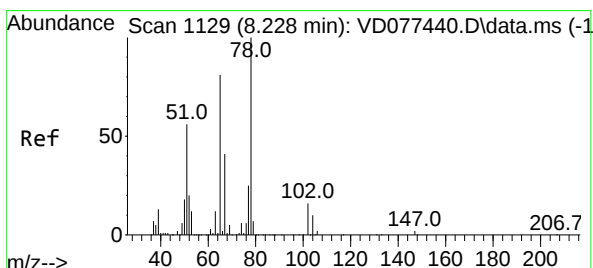
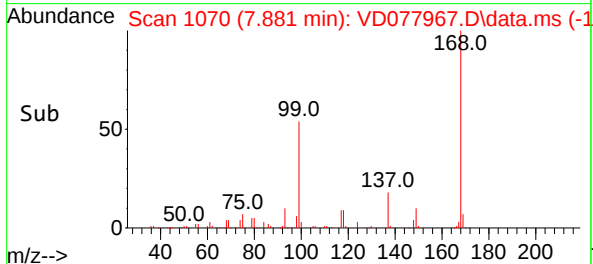
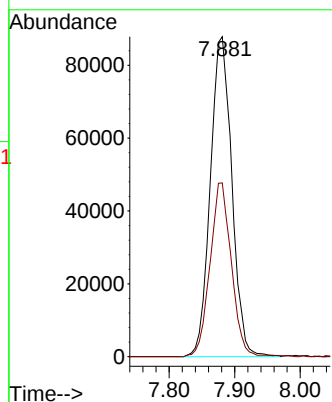
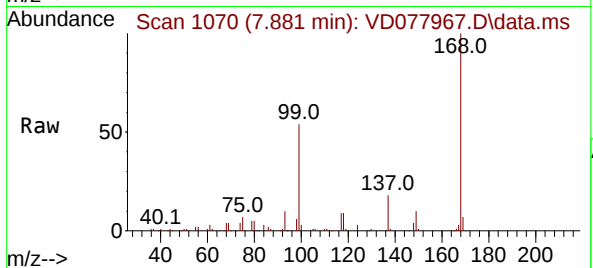




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

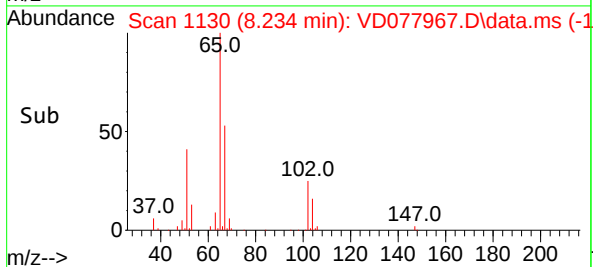
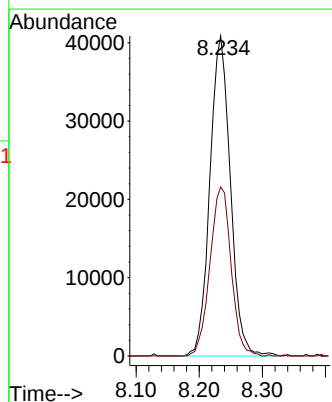
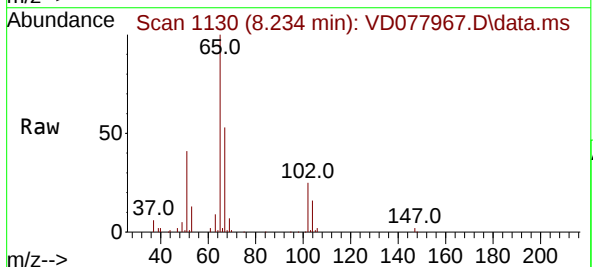
Instrument :
MSVOA_D
ClientSampleId :
VD1219SBL02

Tgt Ion:168 Resp: 200059
Ion Ratio Lower Upper
168 100
99 54.3 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 39.094 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Tgt Ion: 65 Resp: 92161
Ion Ratio Lower Upper
65 100
67 54.4 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: VD077967.D

Acq: 19 Dec 2023 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBL02

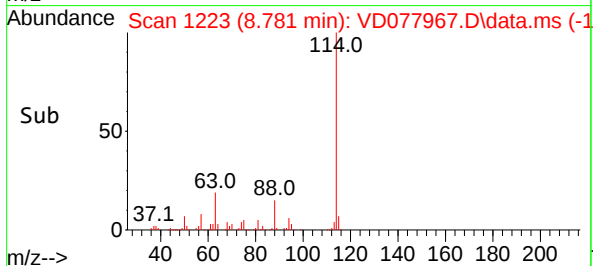
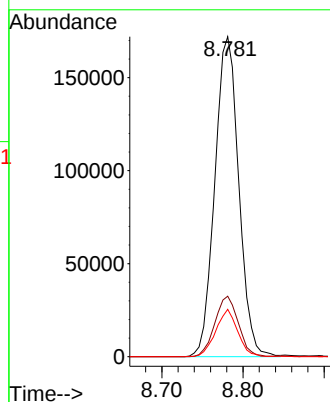
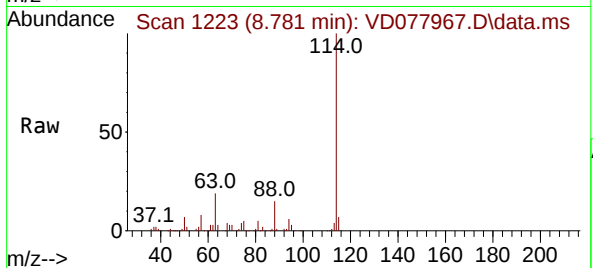
Tgt Ion:114 Resp: 352635

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 14.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.552 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

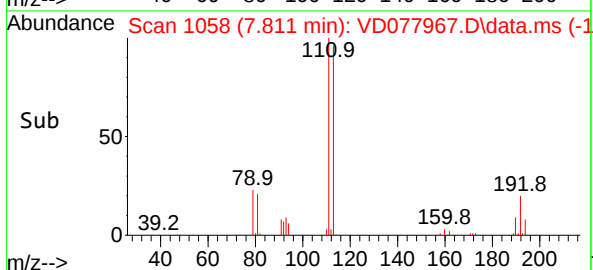
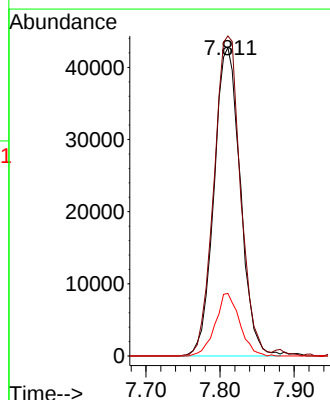
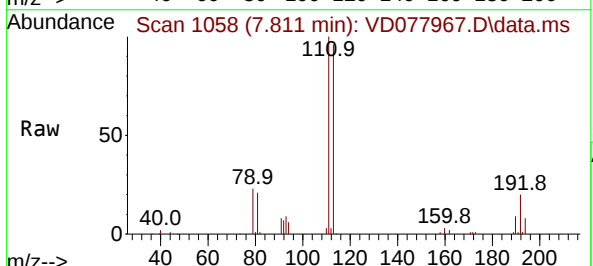
Tgt Ion:113 Resp: 105108

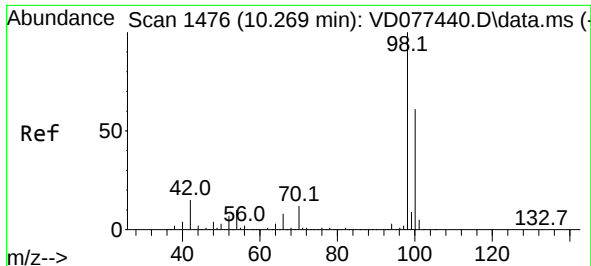
Ion Ratio Lower Upper

113 100

111 104.8 84.7 127.1

192 18.9 16.8 25.2

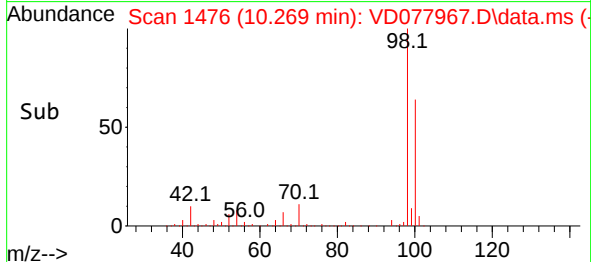
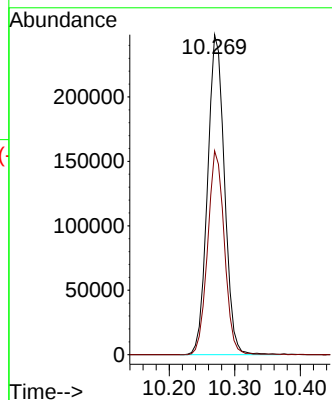
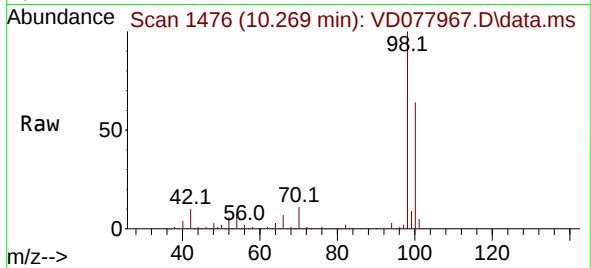




#50
Toluene-d8
Concen: 45.016 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

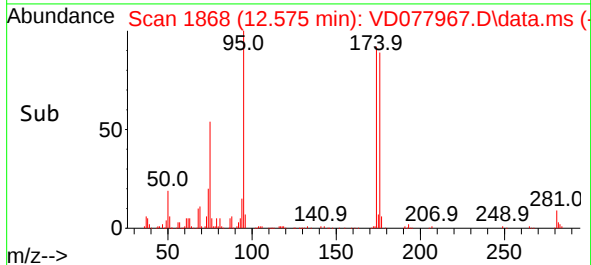
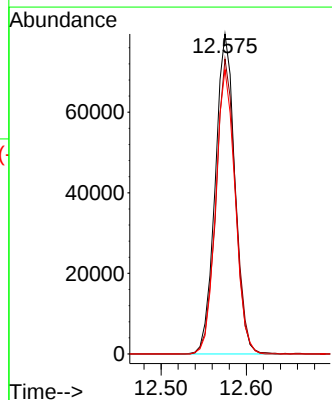
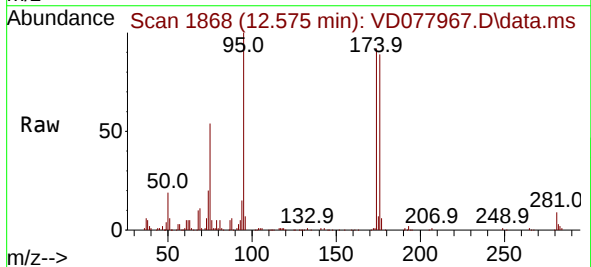
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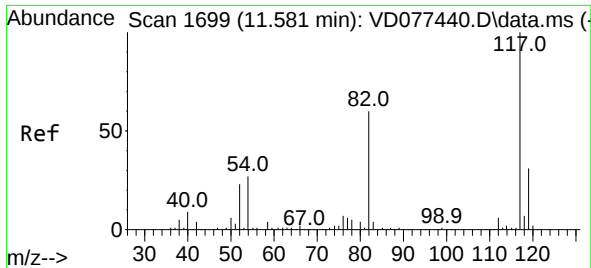
Tgt Ion: 98 Resp: 445346
Ion Ratio Lower Upper
98 100
100 63.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.963 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Tgt Ion: 95 Resp: 127075
Ion Ratio Lower Upper
95 100
174 91.5 0.0 201.8
176 87.8 0.0 191.8

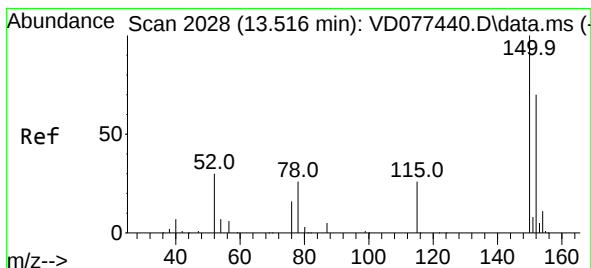
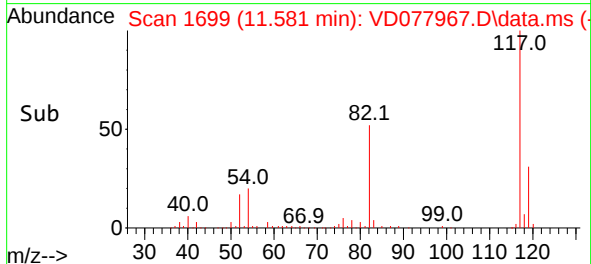
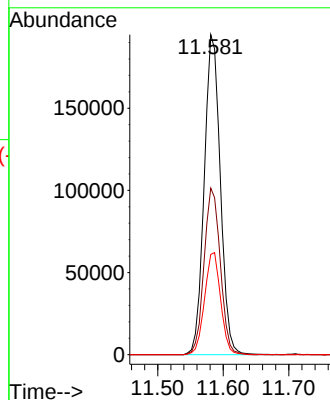
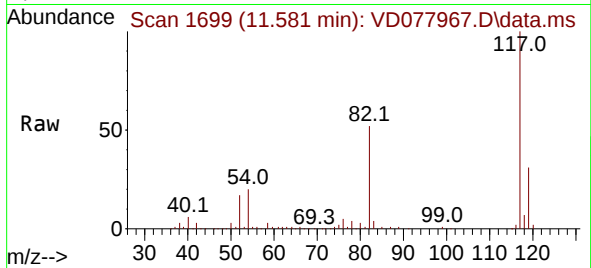




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBL02

Tgt Ion:117 Resp: 333611
Ion Ratio Lower Upper
117 100
82 52.0 38.3 57.5
119 31.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Tgt Ion:152 Resp: 149891
Ion Ratio Lower Upper
152 100
115 56.1 27.1 81.3
150 155.5 0.0 353.6

