

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078029.D
 Acq On : 21 Dec 2023 16:45
 Operator : RP/MD
 Sample : 05926-01
 Misc : 4.61G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MR-319-0-2

Quant Time: Dec 22 05:22:59 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	183018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	314323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	292324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	127103	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	73543	34.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.200%
35) Dibromofluoromethane	7.810	113	92614	42.064	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.120%
50) Toluene-d8	10.275	98	399479	45.302	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.600%
62) 4-Bromofluorobenzene	12.574	95	110116	41.767	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.540%

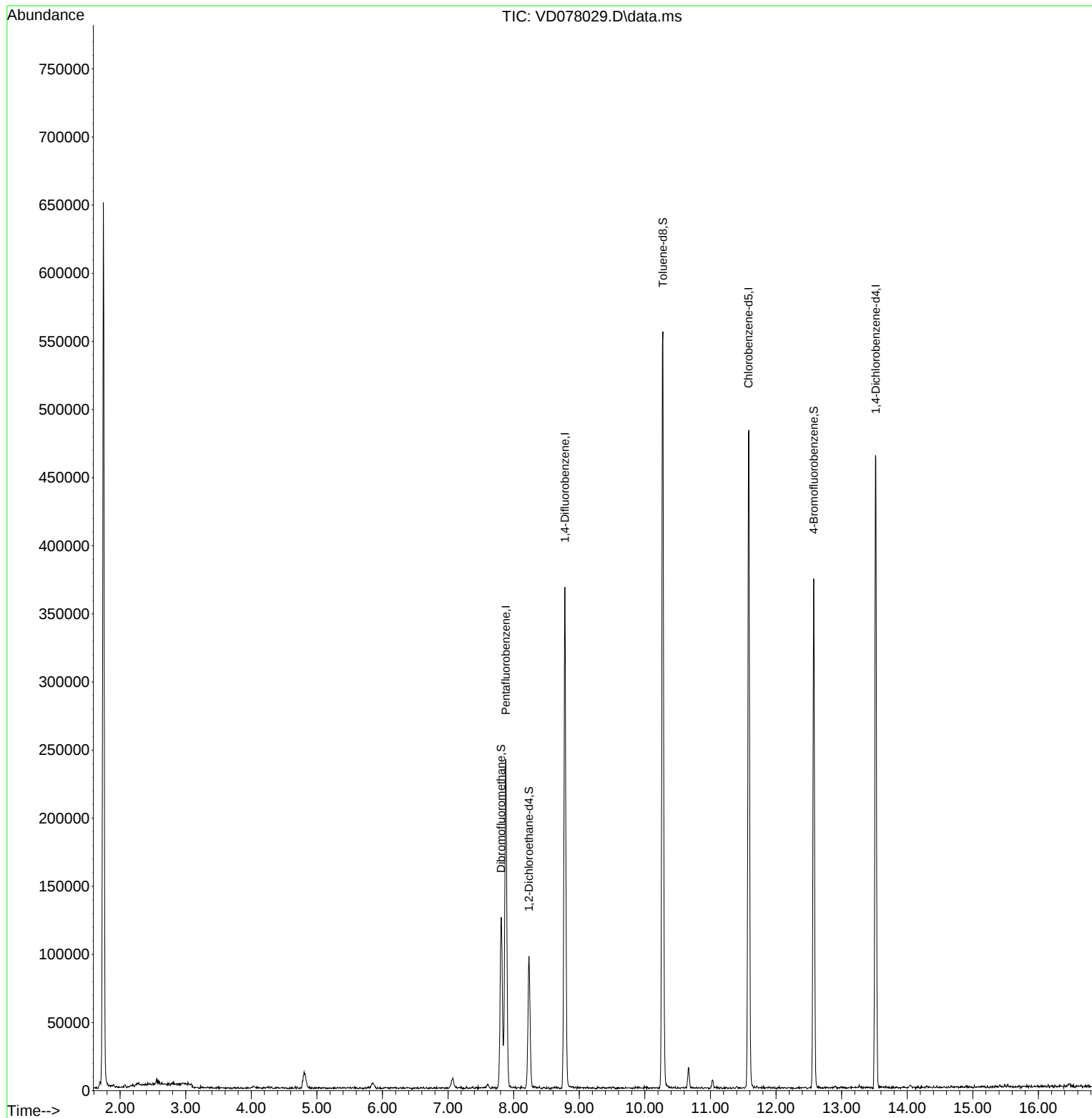
Target Compounds	Qvalue

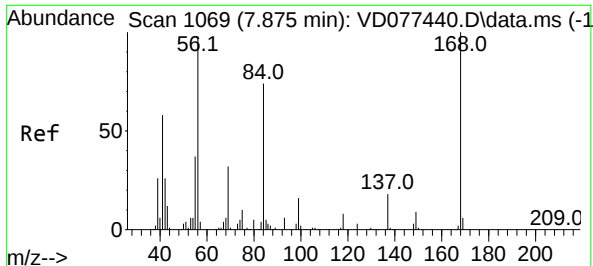
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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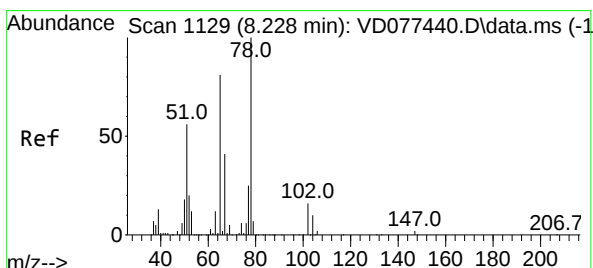
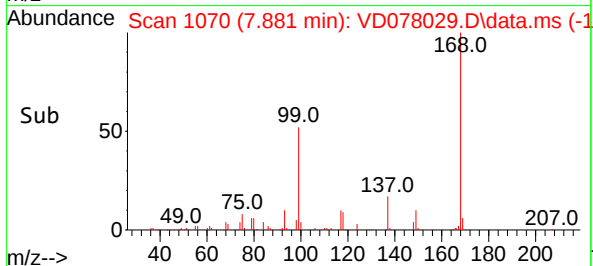
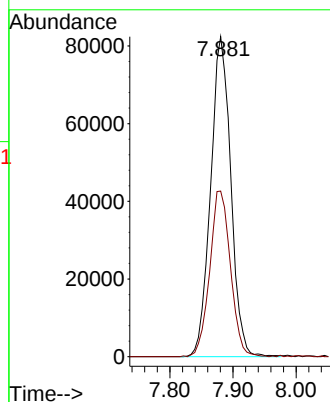
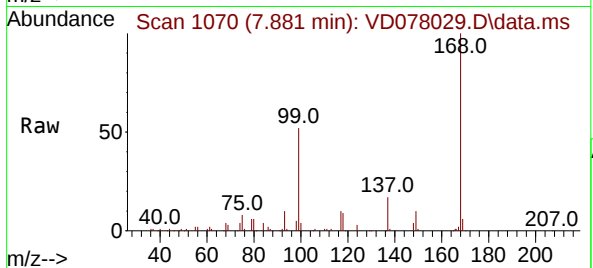




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

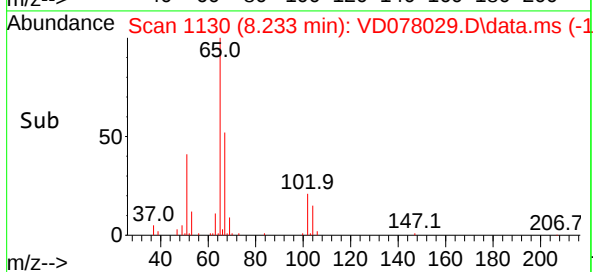
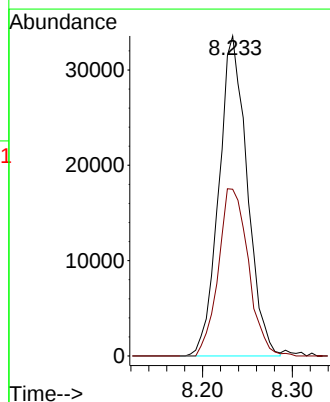
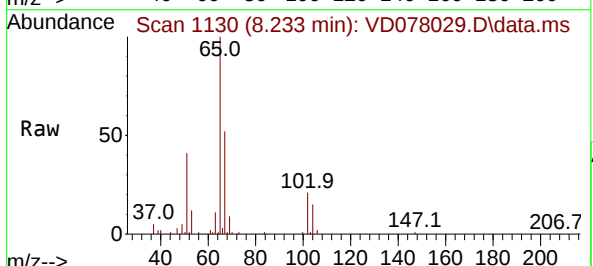
Instrument :
MSVOA_D
ClientSampleId :
MR-319-0-2

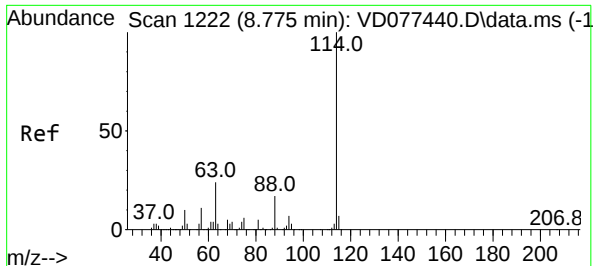
Tgt Ion:168 Resp: 183018
Ion Ratio Lower Upper
168 100
99 51.7 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 34.101 ug/l
RT: 8.233 min Scan# 1130
Delta R.T. 0.005 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Tgt Ion: 65 Resp: 73543
Ion Ratio Lower Upper
65 100
67 55.3 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: VD078029.D

Acq: 21 Dec 2023 16:45

Instrument :

MSVOA_D

ClientSampleId :

MR-319-0-2

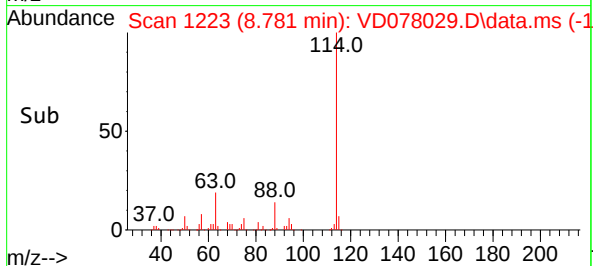
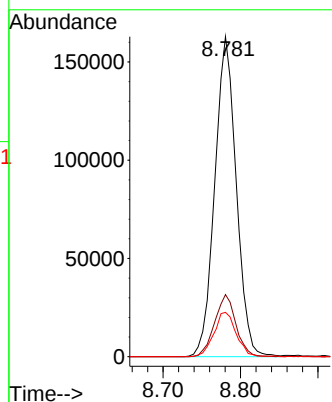
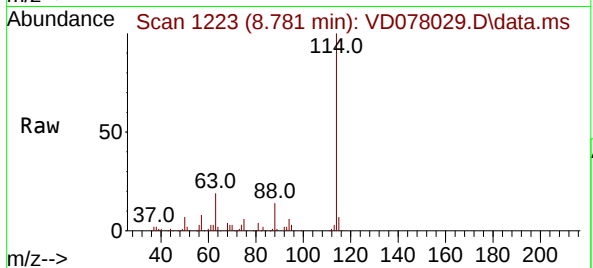
Tgt Ion:114 Resp: 314323

Ion Ratio Lower Upper

114 100

63 19.4 0.0 33.4

88 13.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.064 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078029.D

Acq: 21 Dec 2023 16:45

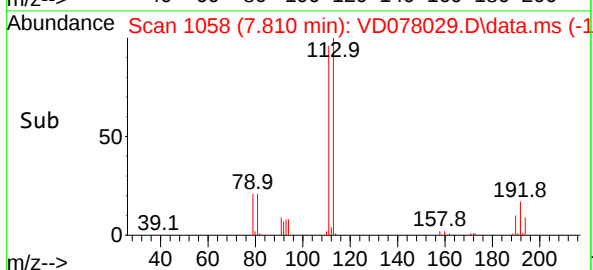
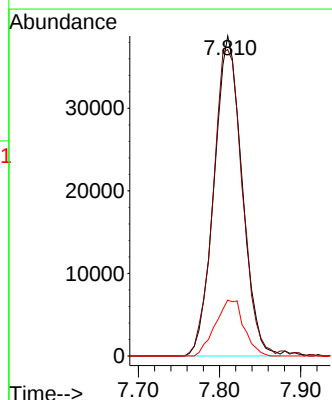
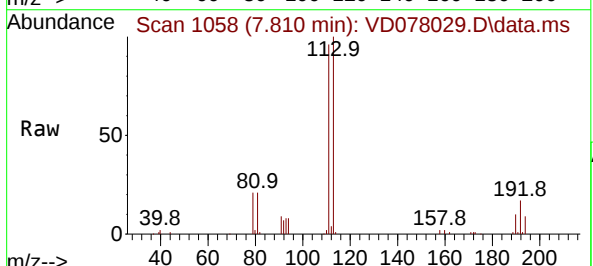
Tgt Ion:113 Resp: 92614

Ion Ratio Lower Upper

113 100

111 100.0 84.7 127.1

192 17.9 16.8 25.2

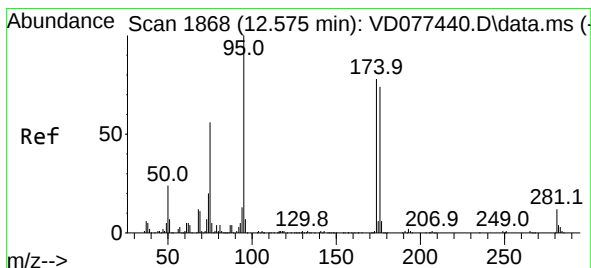
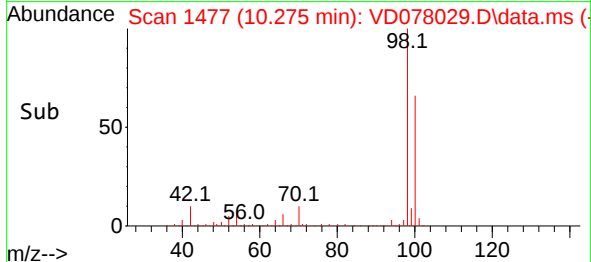
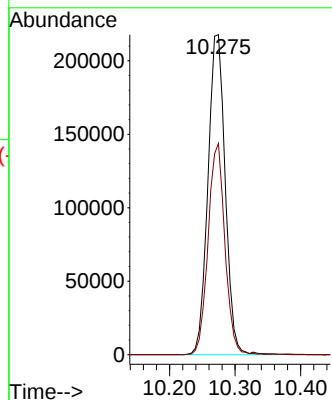
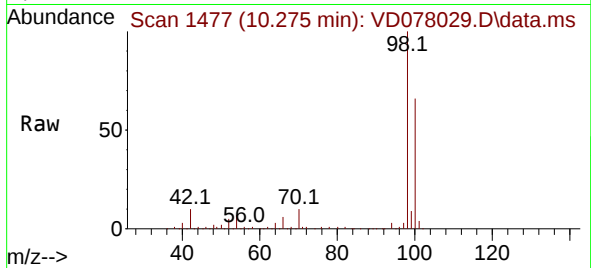




#50
Toluene-d8
Concen: 45.302 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

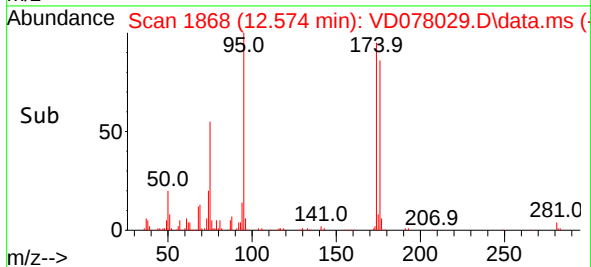
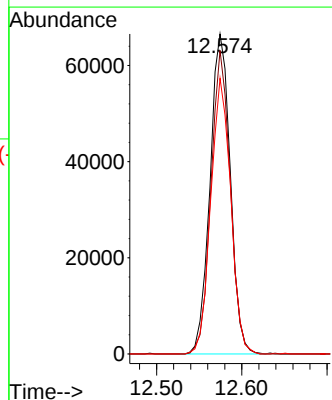
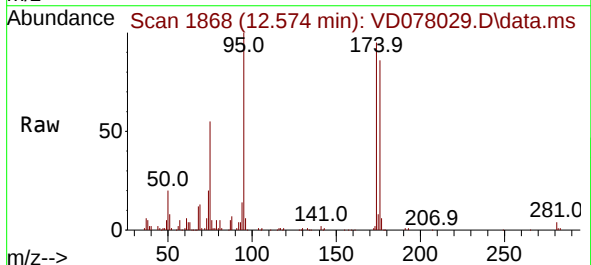
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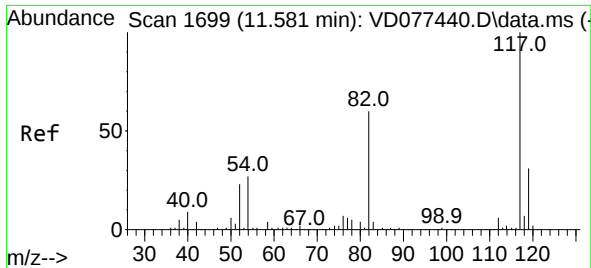
Tgt Ion: 98 Resp: 399479
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.767 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Tgt Ion: 95 Resp: 110116
Ion Ratio Lower Upper
95 100
174 90.1 0.0 201.8
176 84.7 0.0 191.8

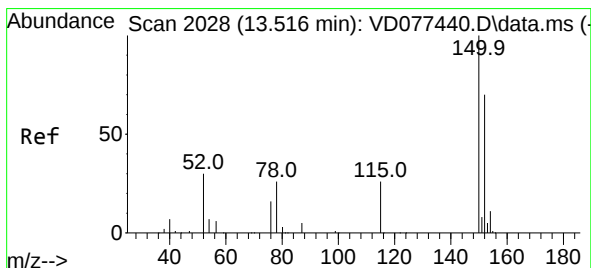
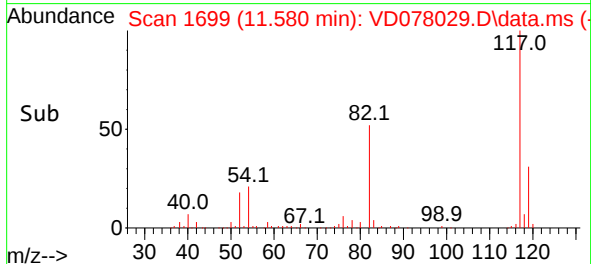
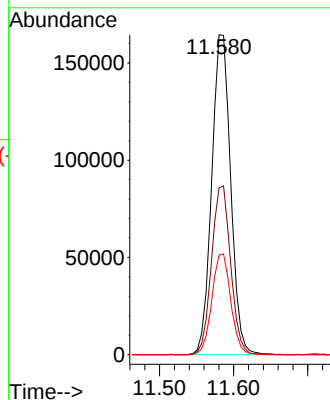
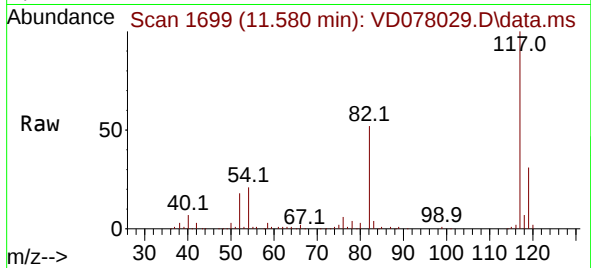




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Instrument :
MSVOA_D
ClientSampleId :
MR-319-0-2

Tgt Ion:117 Resp: 292324
Ion Ratio Lower Upper
117 100
82 52.1 38.3 57.5
119 31.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.521 min Scan# 2029
Delta R.T. 0.005 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Tgt Ion:152 Resp: 127103
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 154.3 0.0 353.6

