

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077317.D
 Acq On : 12 Oct 2023 14:20
 Operator : JC/SY
 Sample : VD1012SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010

Quant Time: Oct 13 02:30:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 14:39:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	231448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	433872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	389927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	159783	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100463	55.212	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.420%
35) Dibromofluoromethane	7.804	113	116170	51.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.840%
50) Toluene-d8	10.269	98	366013	48.313	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.620%
62) 4-Bromofluorobenzene	12.574	95	107341	42.186	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.380%

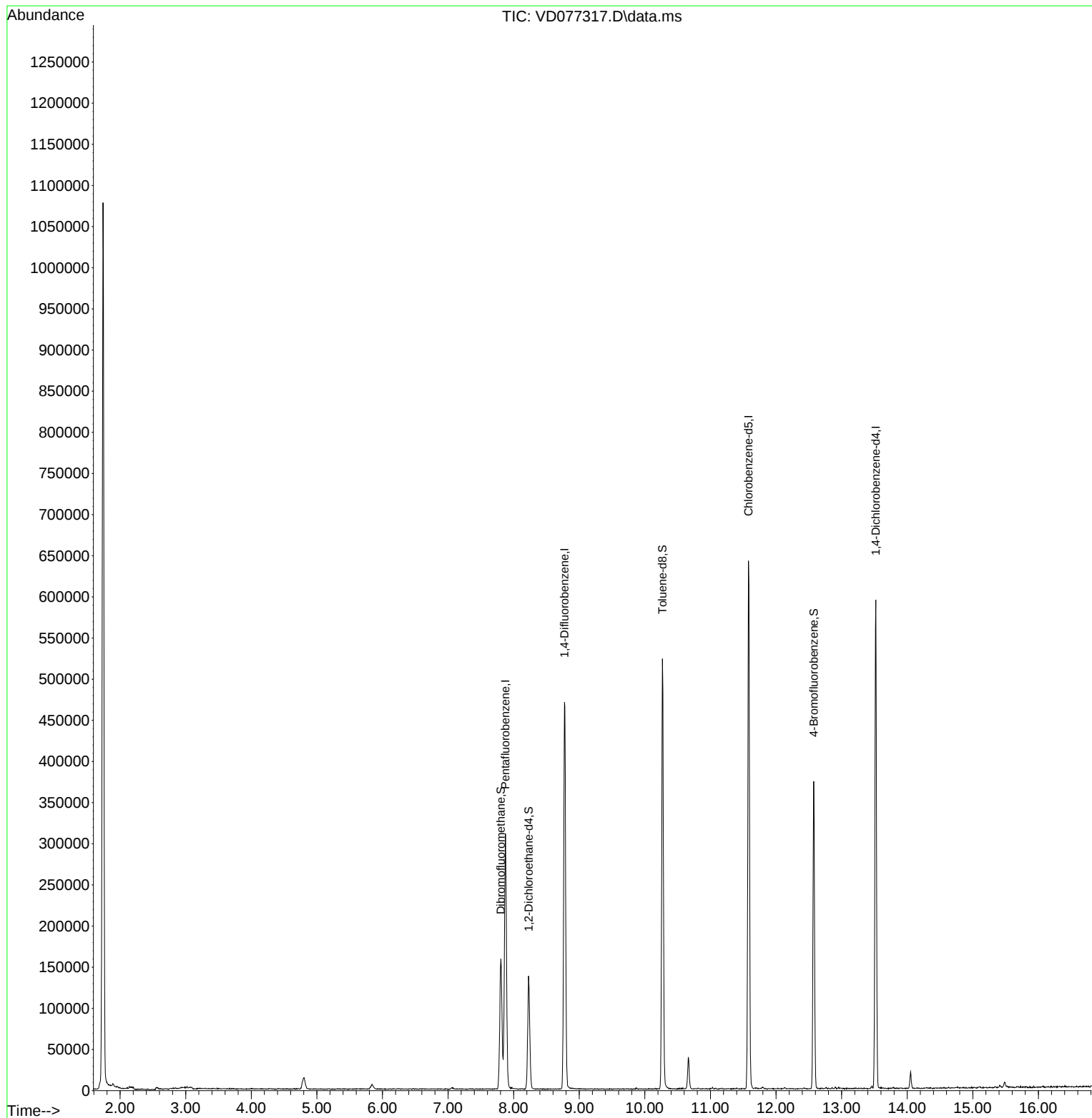
Target Compounds	Qvalue

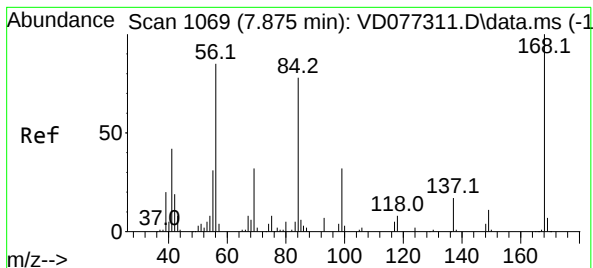
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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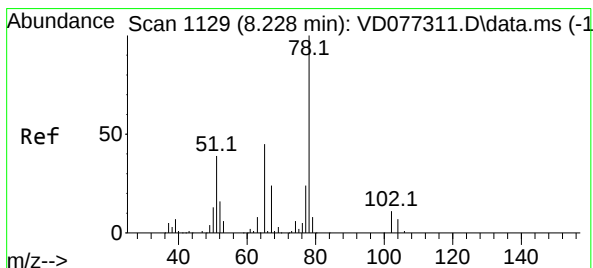
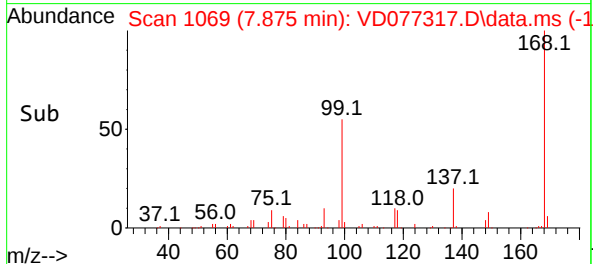
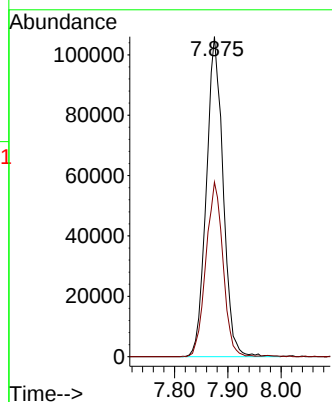
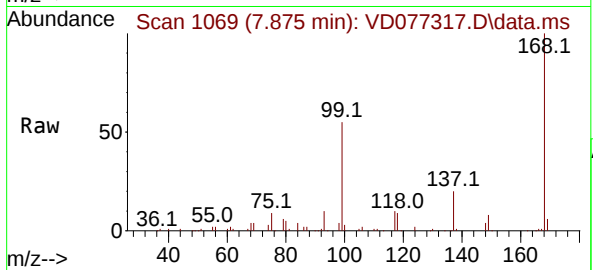




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077317.D
Acq: 12 Oct 2023 14:20

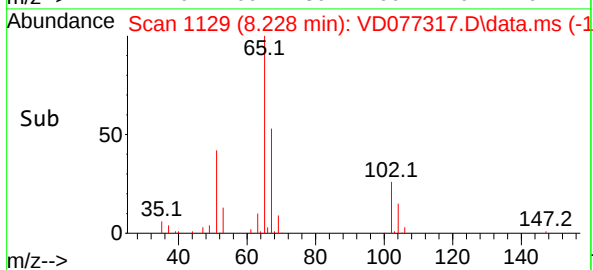
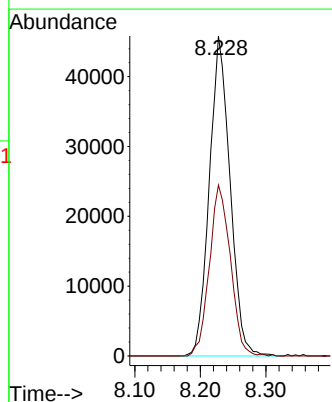
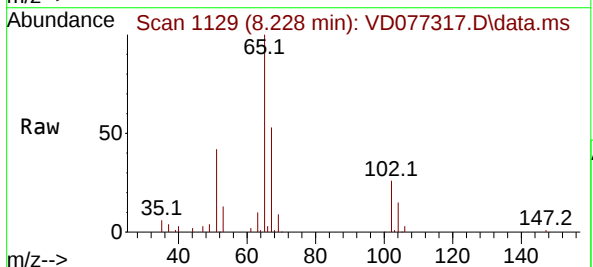
Instrument :
MSVOA_D
ClientSampleId :
VD1010

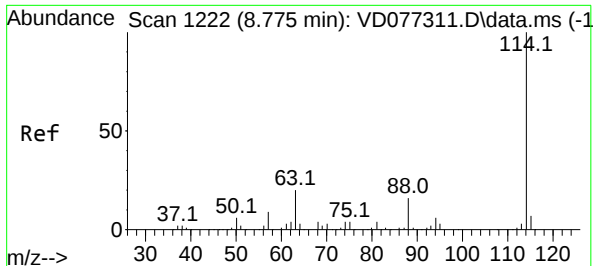
Tgt Ion:168 Resp: 231448
Ion Ratio Lower Upper
168 100
99 54.5 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 55.212 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077317.D
Acq: 12 Oct 2023 14:20

Tgt Ion: 65 Resp: 100463
Ion Ratio Lower Upper
65 100
67 54.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077317.D

Acq: 12 Oct 2023 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD1010

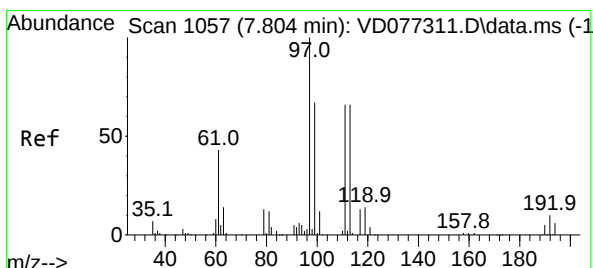
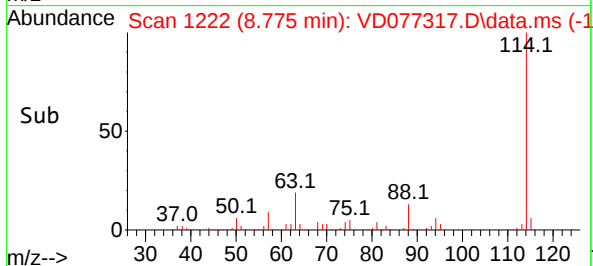
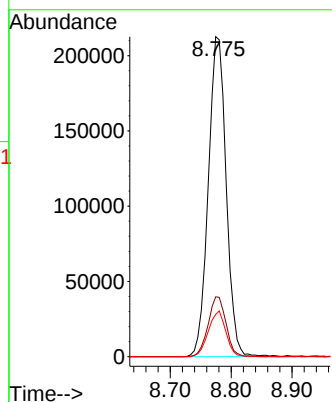
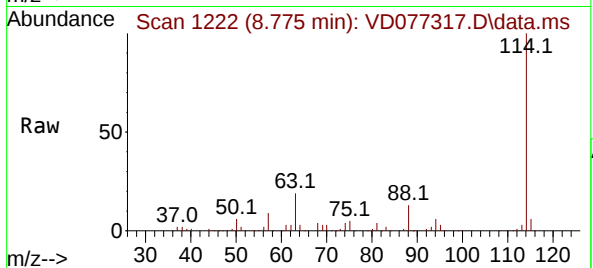
Tgt Ion:114 Resp: 433872

Ion Ratio Lower Upper

114 100

63 18.7 0.0 33.4

88 13.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.419 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD077317.D

Acq: 12 Oct 2023 14:20

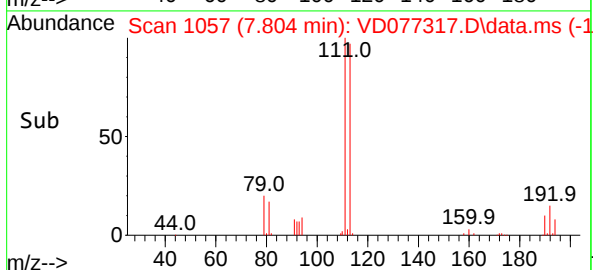
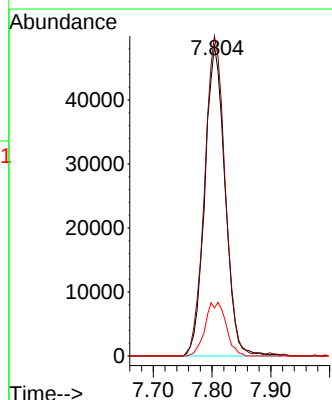
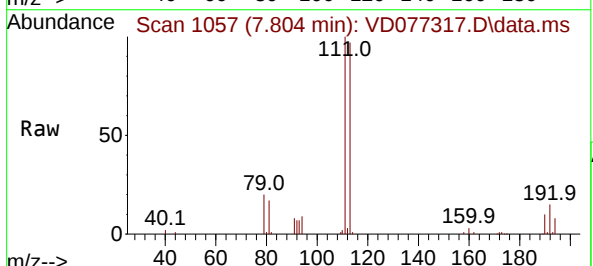
Tgt Ion:113 Resp: 116170

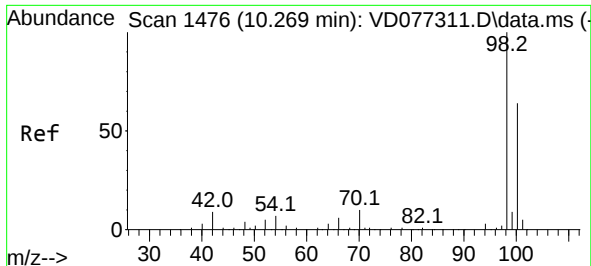
Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 17.9 16.8 25.2

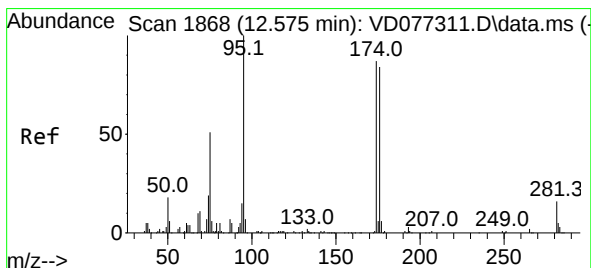
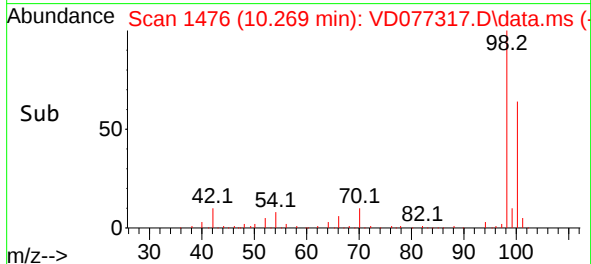
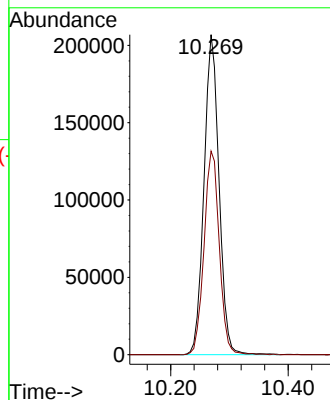
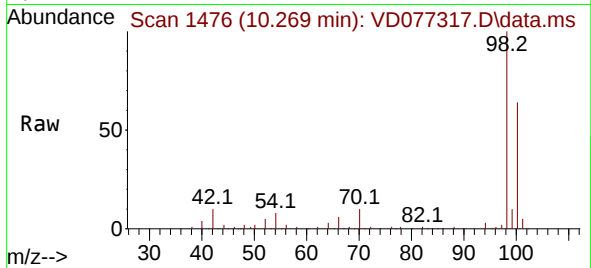




#50
Toluene-d8
Concen: 48.313 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077317.D
Acq: 12 Oct 2023 14:20

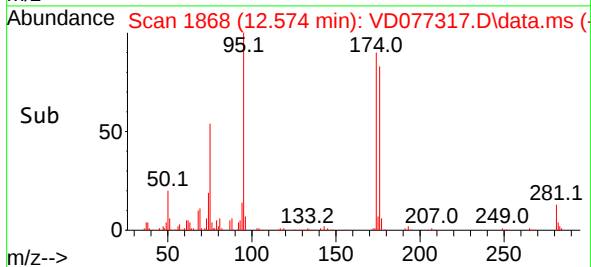
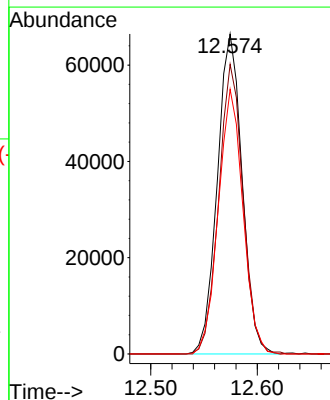
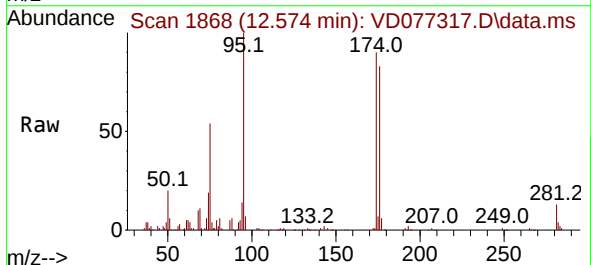
Instrument :
MSVOA_D
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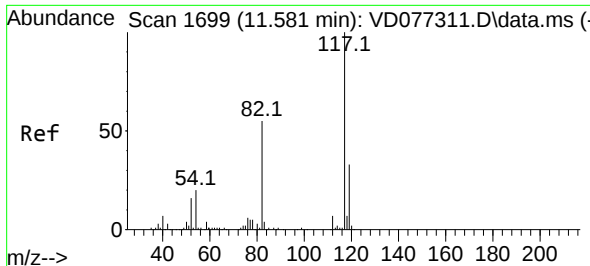
Tgt Ion: 98 Resp: 366013
Ion Ratio Lower Upper
98 100
100 64.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.186 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077317.D
Acq: 12 Oct 2023 14:20

Tgt Ion: 95 Resp: 107341
Ion Ratio Lower Upper
95 100
174 88.7 0.0 201.8
176 82.1 0.0 191.8

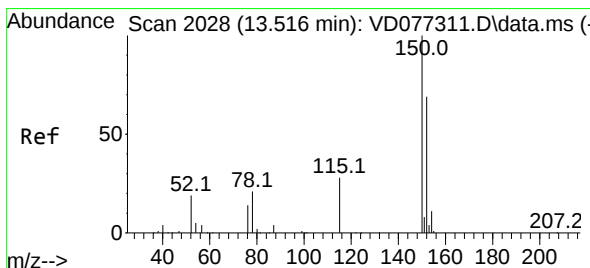
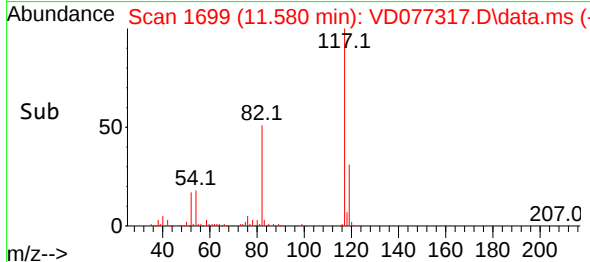
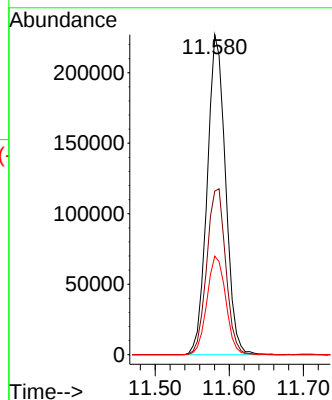
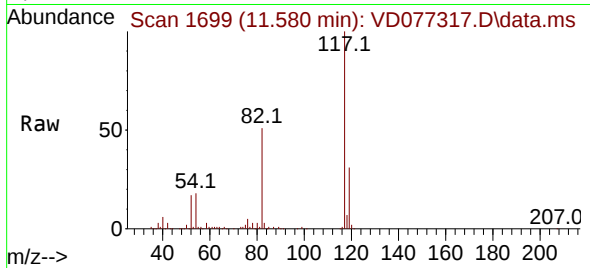




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077317.D
Acq: 12 Oct 2023 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD1010

Tgt Ion:117 Resp: 389927
Ion Ratio Lower Upper
117 100
82 51.1 38.3 57.5
119 30.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.521 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077317.D
Acq: 12 Oct 2023 14:20

Tgt Ion:152 Resp: 159783
Ion Ratio Lower Upper
152 100
115 58.0 27.1 81.3
150 157.8 0.0 353.6

