

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077788.D
 Acq On : 08 Dec 2023 12:21
 Operator : JC/SY
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Dec 08 13:45:04 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	200246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	403385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	360527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	160681	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	113629	48.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.320%
35) Dibromofluoromethane	7.810	113	131137	46.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.820%
50) Toluene-d8	10.269	98	481070	42.509	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.020%
62) 4-Bromofluorobenzene	12.575	95	140669	41.576	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.160%

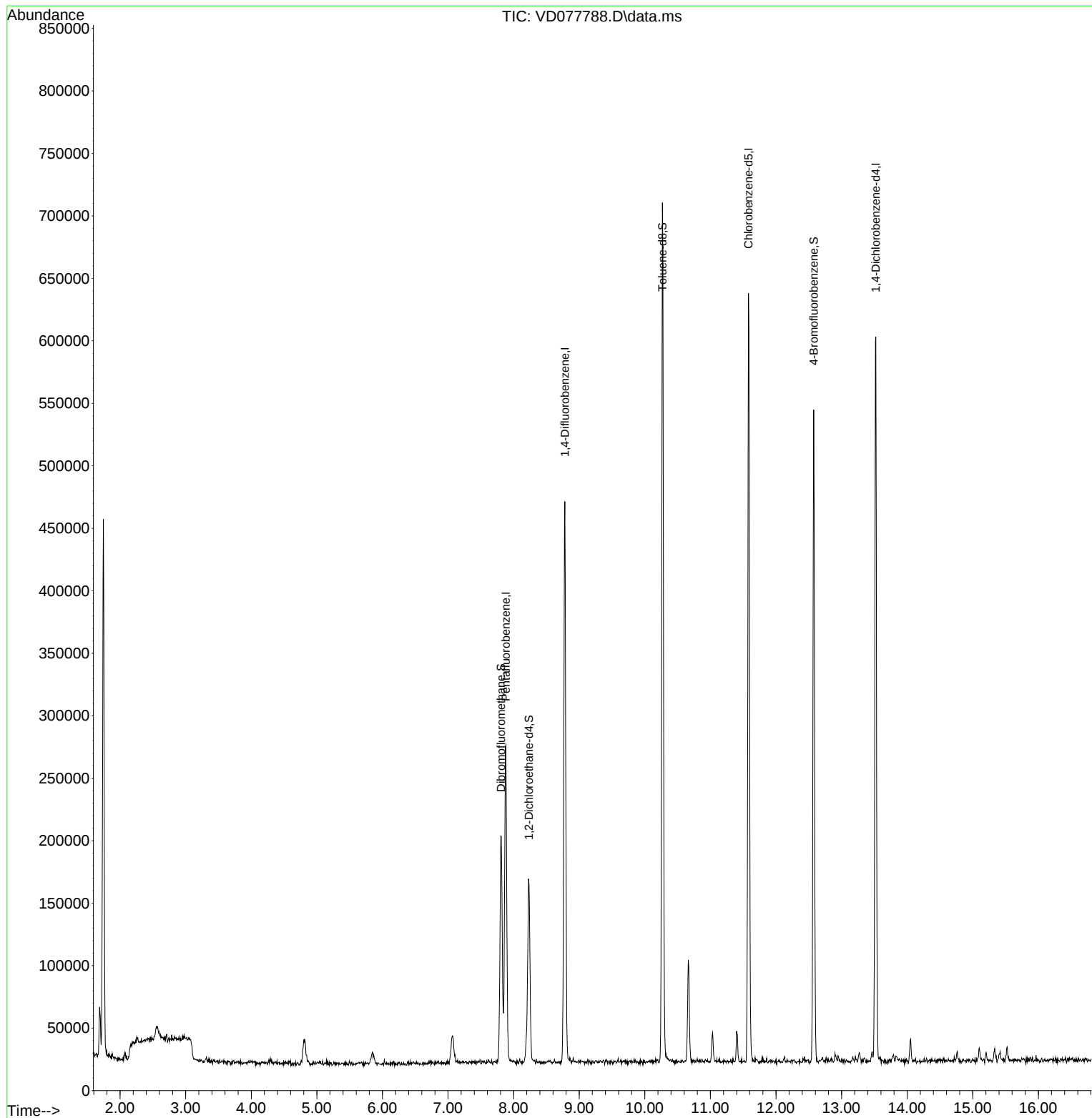
Target Compounds	Qvalue

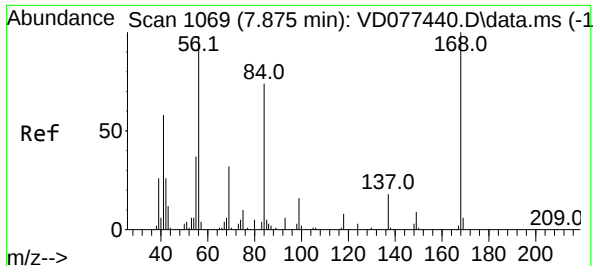
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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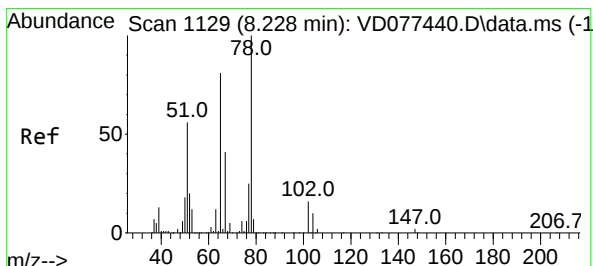
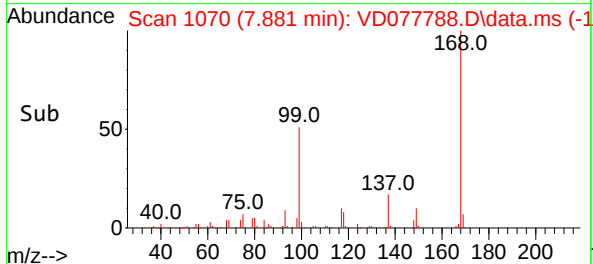
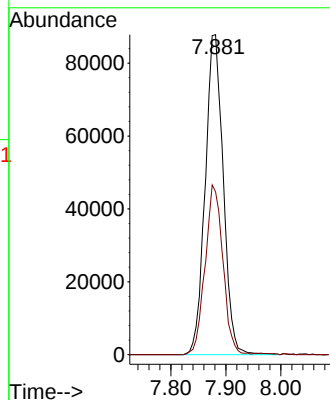
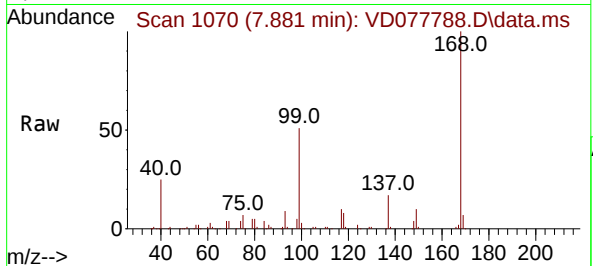




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077788.D
Acq: 08 Dec 2023 12:21

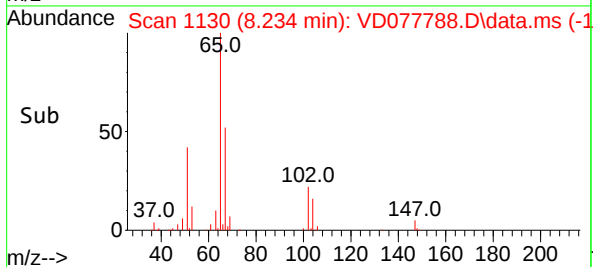
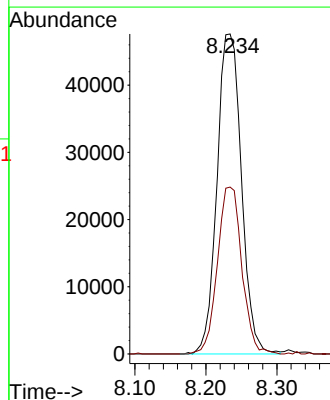
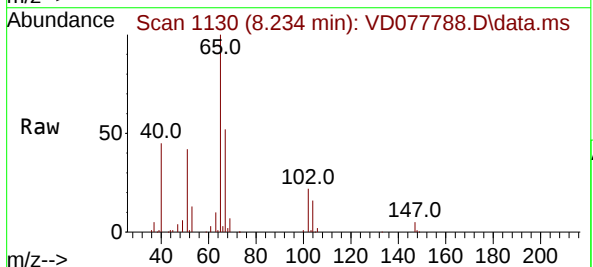
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

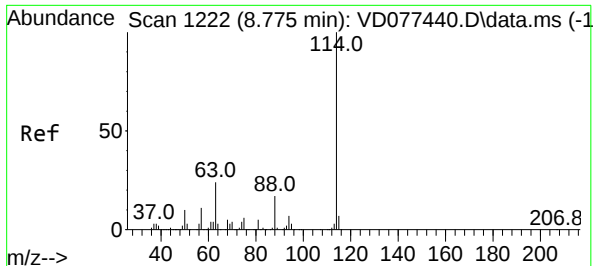
Tgt Ion:168 Resp: 200246
Ion Ratio Lower Upper
168 100
99 50.9 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 48.156 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077788.D
Acq: 08 Dec 2023 12:21

Tgt Ion: 65 Resp: 113629
Ion Ratio Lower Upper
65 100
67 52.1 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: VD077788.D

Acq: 08 Dec 2023 12:21

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

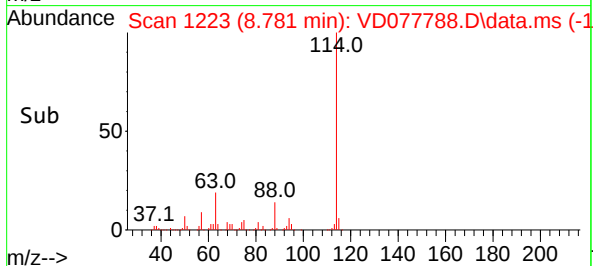
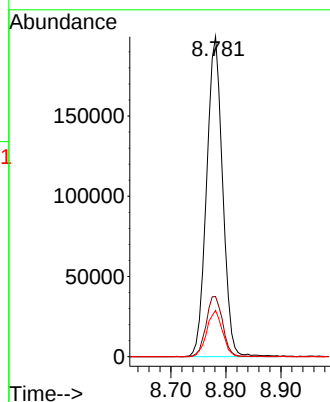
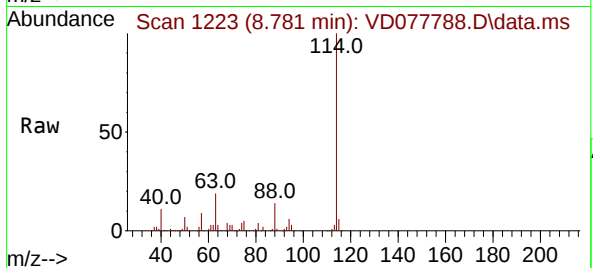
Tgt Ion:114 Resp: 403385

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 14.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.411 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077788.D

Acq: 08 Dec 2023 12:21

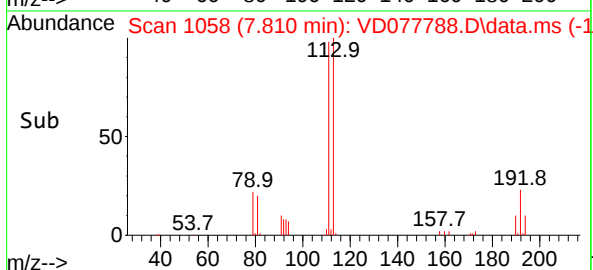
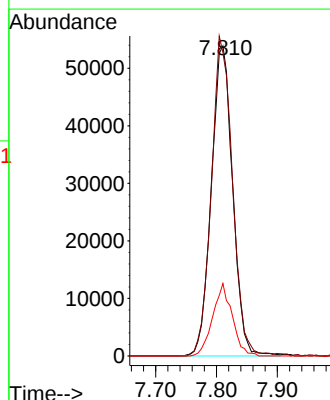
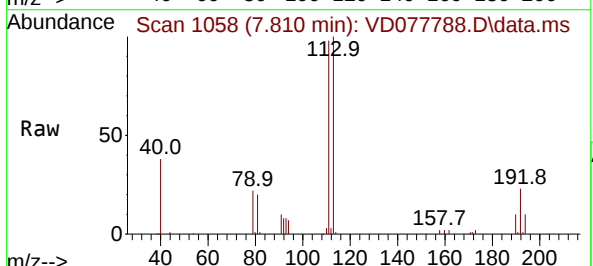
Tgt Ion:113 Resp: 131137

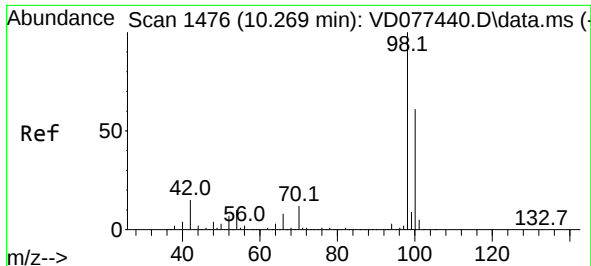
Ion Ratio Lower Upper

113 100

111 101.8 84.7 127.1

192 21.4 16.8 25.2

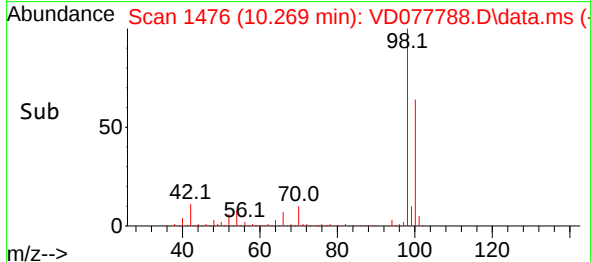
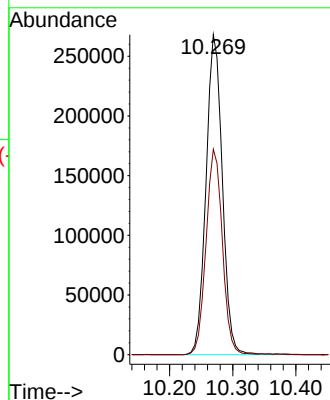
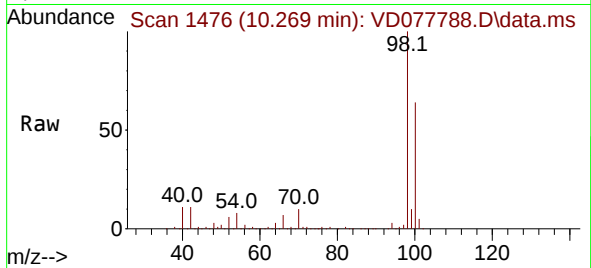




#50
Toluene-d8
Concen: 42.509 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077788.D
Acq: 08 Dec 2023 12:21

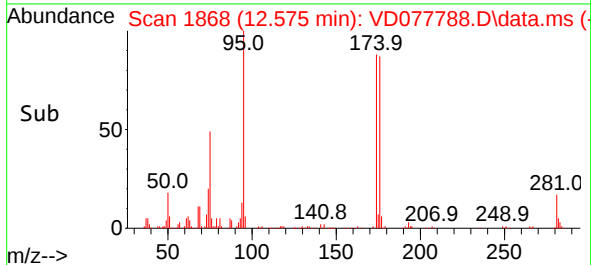
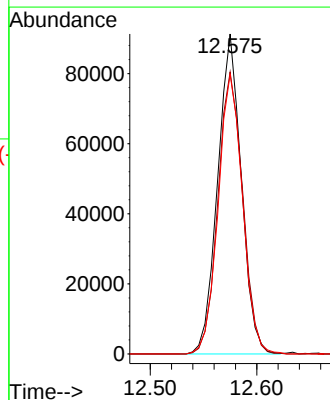
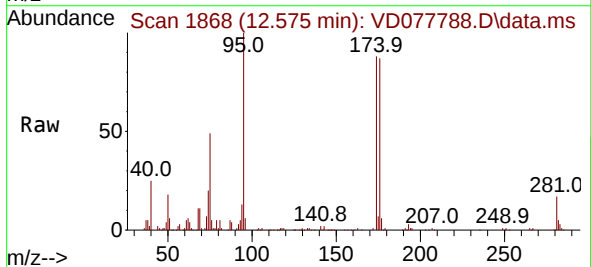
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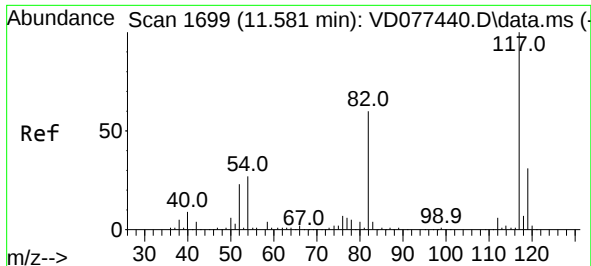
Tgt Ion: 98 Resp: 481070
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.576 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077788.D
Acq: 08 Dec 2023 12:21

Tgt Ion: 95 Resp: 140669
Ion Ratio Lower Upper
95 100
174 91.9 0.0 201.8
176 89.9 0.0 191.8

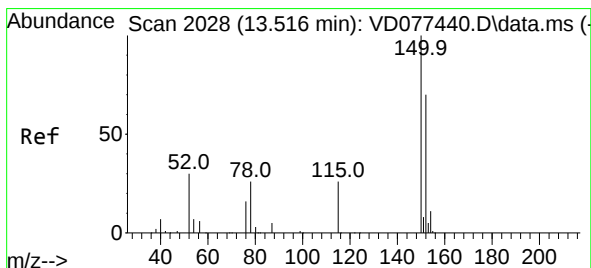
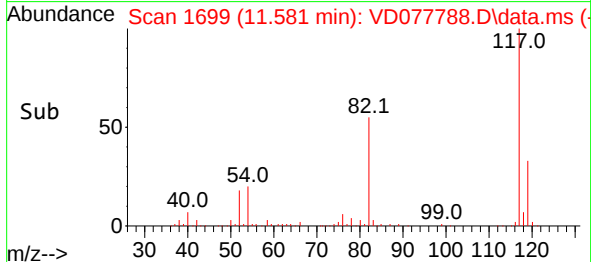
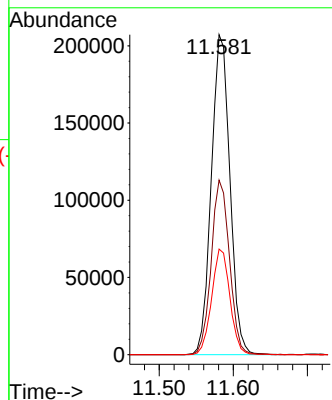
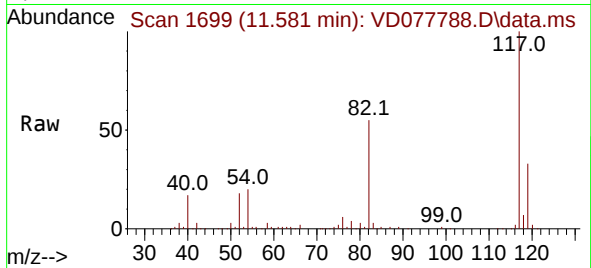




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077788.D
Acq: 08 Dec 2023 12:21

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 360527
Ion Ratio Lower Upper
117 100
82 54.6 38.3 57.5
119 33.0 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: VD077788.D
Acq: 08 Dec 2023 12:21

Tgt Ion:152 Resp: 160681
Ion Ratio Lower Upper
152 100
115 56.5 27.1 81.3
150 158.4 0.0 353.6

