

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077235.D
 Acq On : 28 Sep 2023 17:50
 Operator : JC/SY
 Sample : 04668-09
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR251354

Quant Time: Sep 29 02:20:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	279175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	604351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	723957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	334354	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	134638	47.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.580%
35) Dibromofluoromethane	7.805	113	186633	44.460	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.920%
50) Toluene-d8	10.269	98	763008	51.066	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.140%
62) 4-Bromofluorobenzene	12.575	95	309257	66.779	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	133.560%

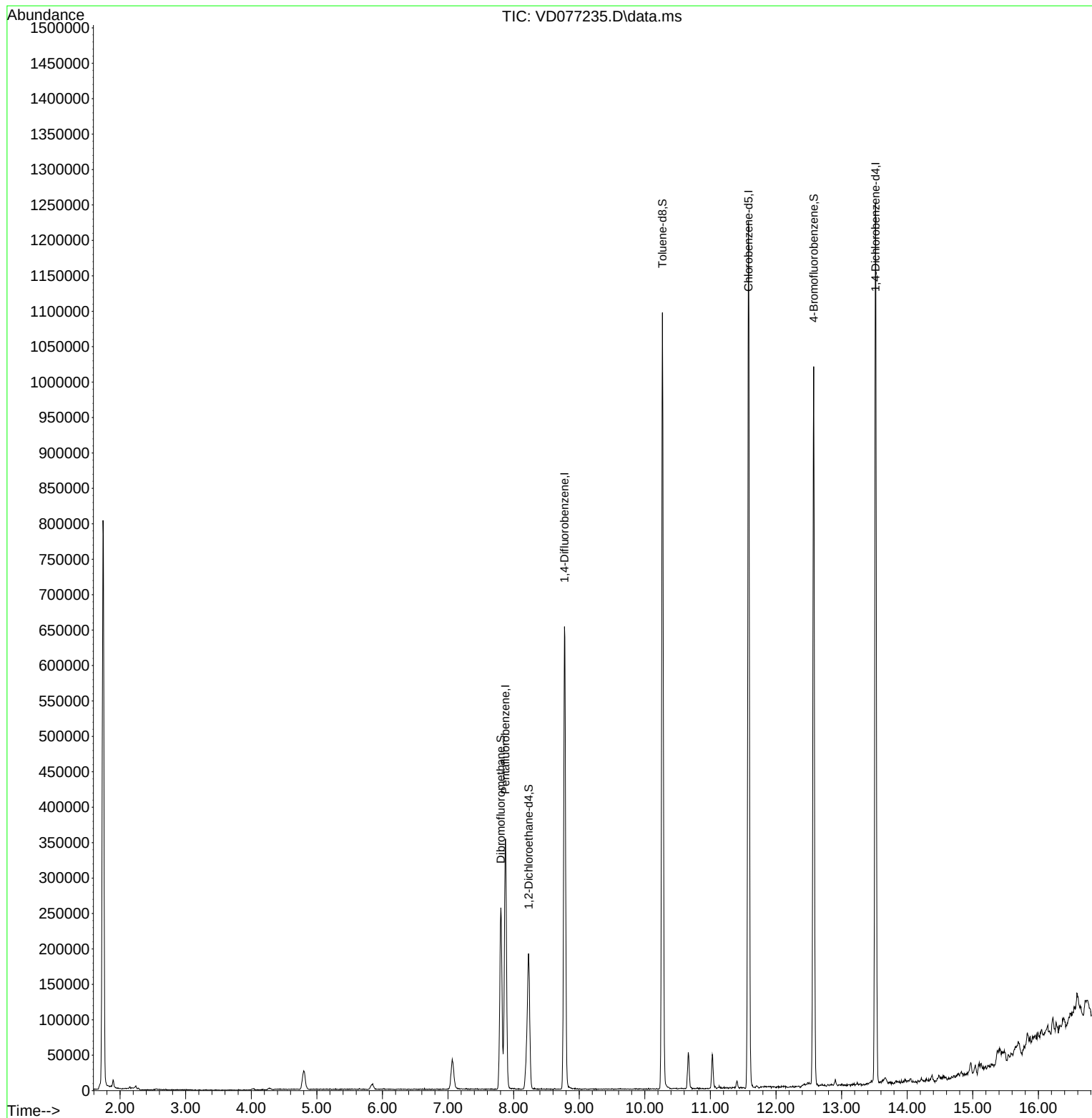
Target Compounds	Qvalue

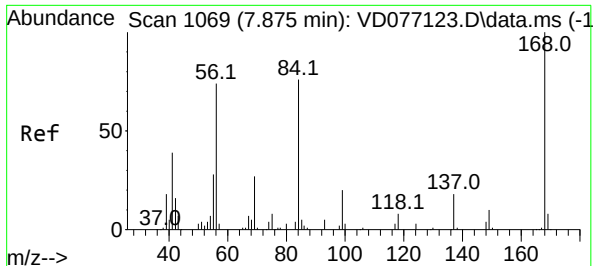
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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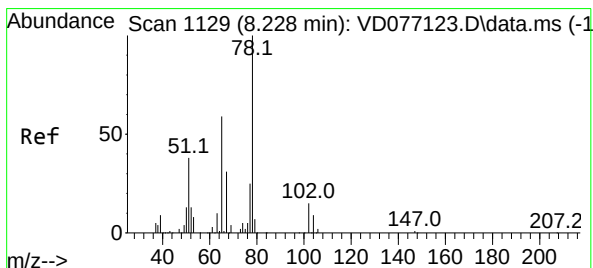
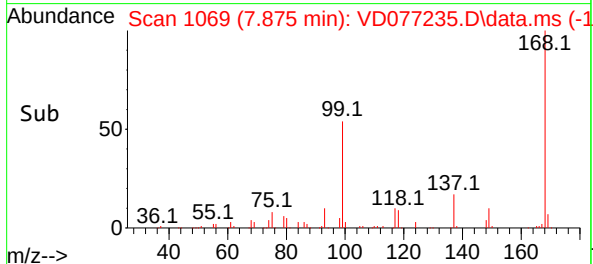
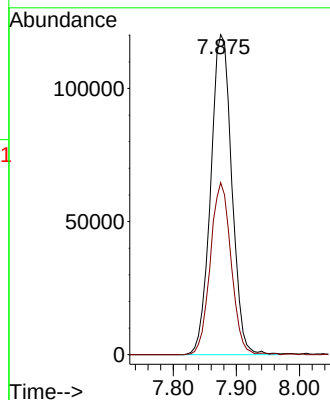
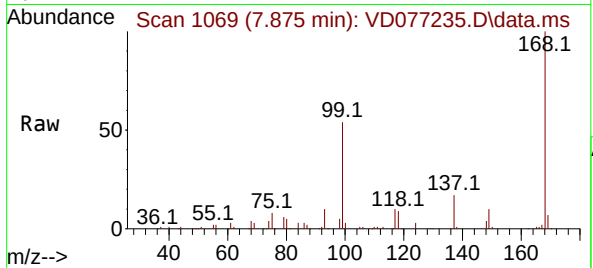




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

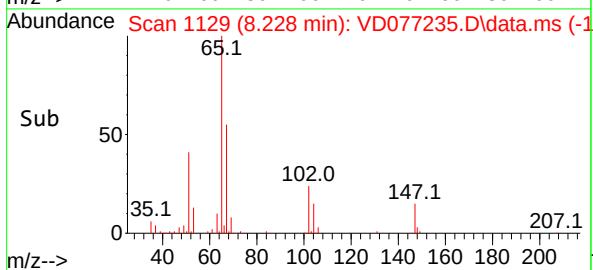
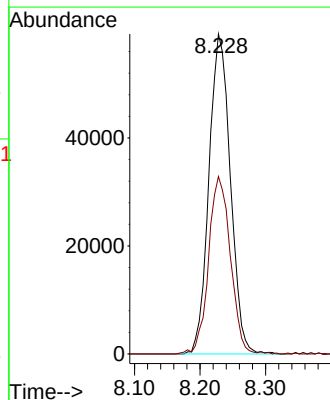
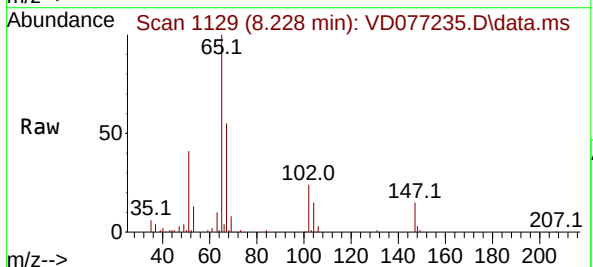
Instrument :
MSVOA_D
ClientSampleId :
RBR251354

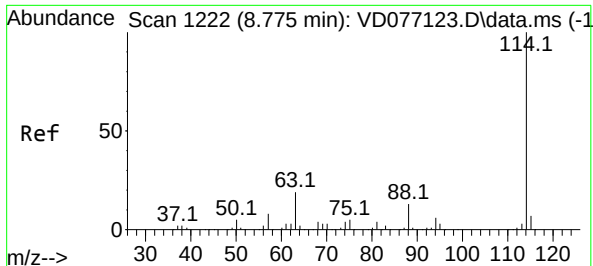
Tgt Ion:168 Resp: 279175
Ion Ratio Lower Upper
168 100
99 53.8 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 47.787 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Tgt Ion: 65 Resp: 134638
Ion Ratio Lower Upper
65 100
67 56.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077235.D

Acq: 28 Sep 2023 17:50

Instrument :

MSVOA_D

ClientSampleId :

RBR251354

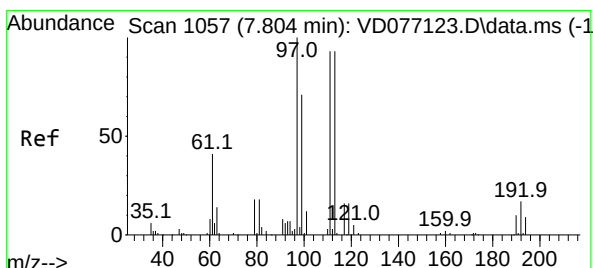
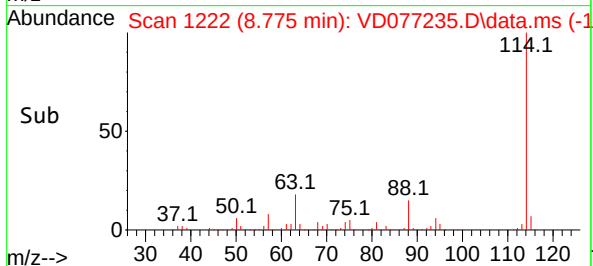
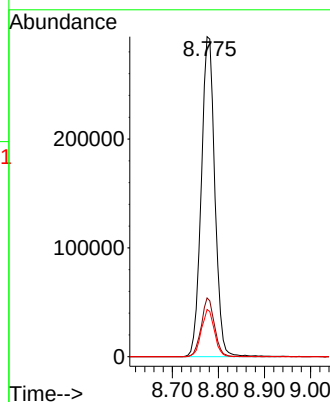
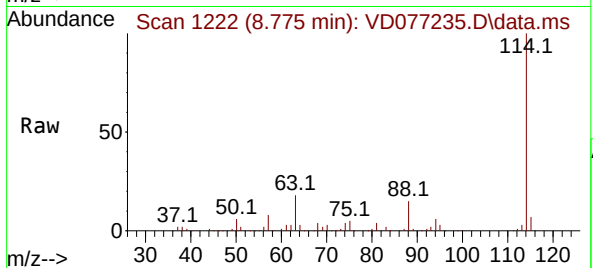
Tgt Ion:114 Resp: 604351

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 14.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.460 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077235.D

Acq: 28 Sep 2023 17:50

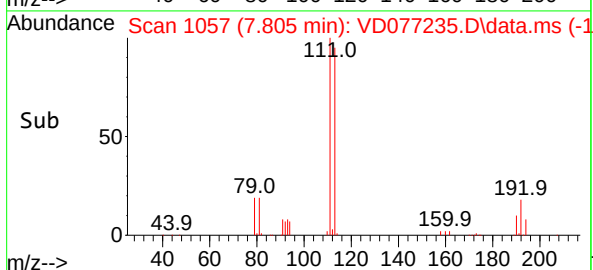
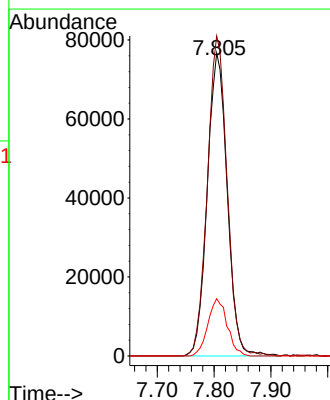
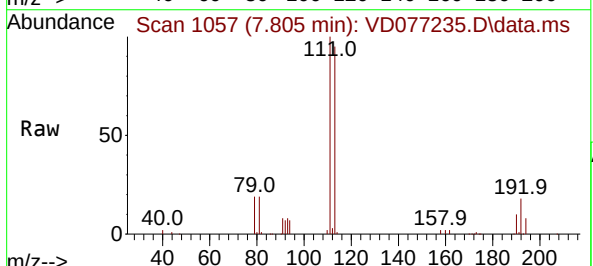
Tgt Ion:113 Resp: 186633

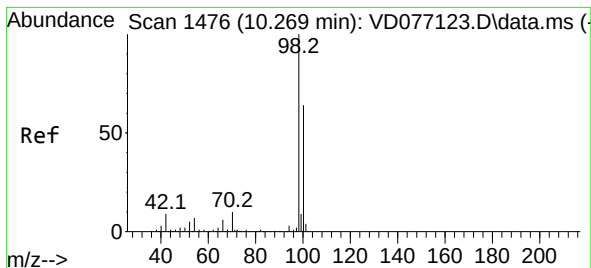
Ion Ratio Lower Upper

113 100

111 104.1 84.7 127.1

192 18.3 16.8 25.2





#50

Toluene-d8

Concen: 51.066 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077235.D

Acq: 28 Sep 2023 17:50

Instrument :

MSVOA_D

ClientSampleId :

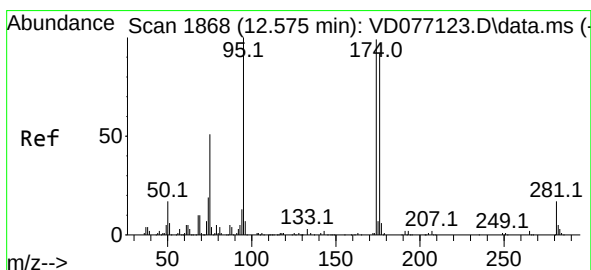
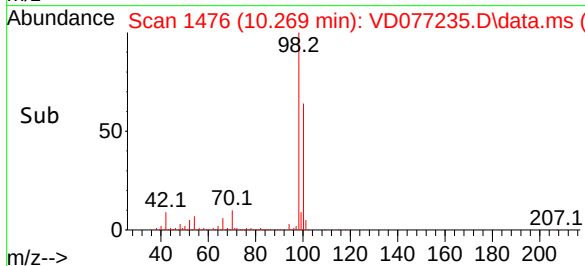
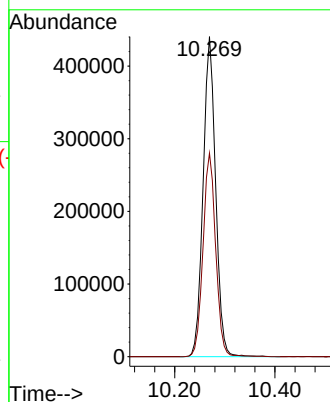
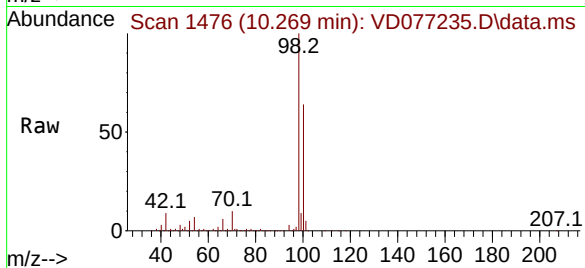
RBR251354

Tgt Ion: 98 Resp: 763008

Ion Ratio Lower Upper

98 100

100 64.4 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 66.779 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD077235.D

Acq: 28 Sep 2023 17:50

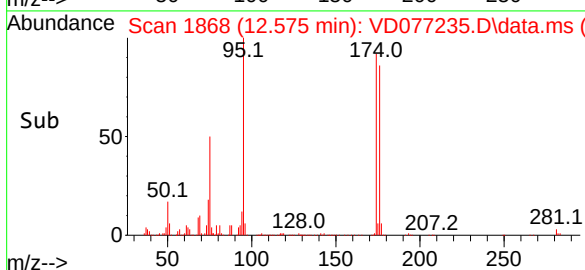
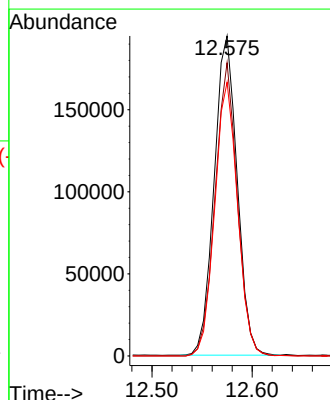
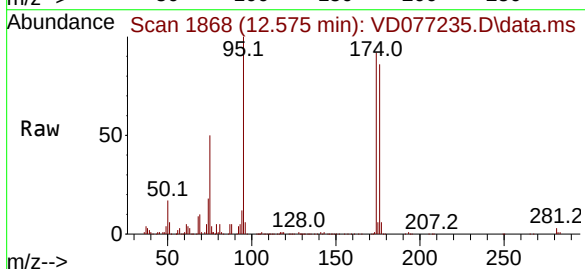
Tgt Ion: 95 Resp: 309257

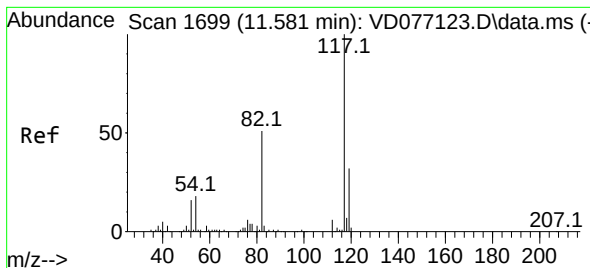
Ion Ratio Lower Upper

95 100

174 88.9 0.0 201.8

176 85.1 0.0 191.8

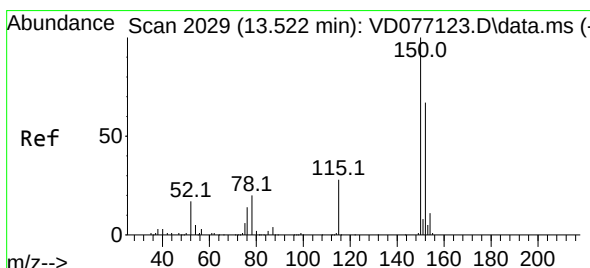
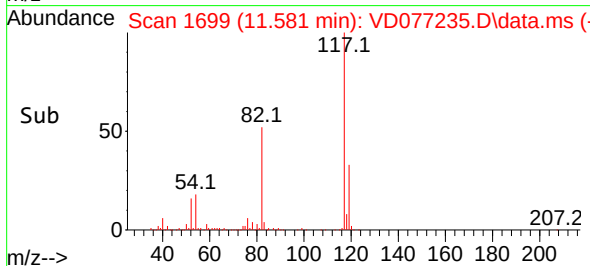
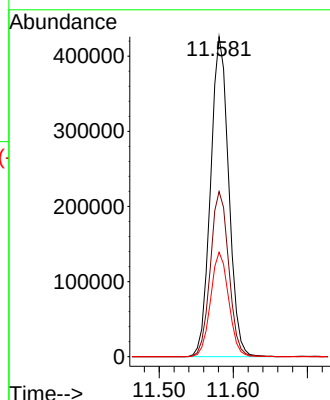
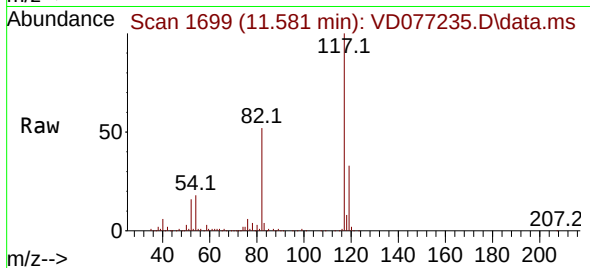




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Instrument :
MSVOA_D
ClientSampleId :
RBR251354

Tgt Ion:117 Resp: 723957
Ion Ratio Lower Upper
117 100
82 51.6 38.3 57.5
119 32.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Tgt Ion:152 Resp: 334354
Ion Ratio Lower Upper
152 100
115 57.3 27.1 81.3
150 159.6 0.0 353.6

