

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077994.D
 Acq On : 20 Dec 2023 14:35
 Operator : RP/MD
 Sample : 05827-07RE
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-SB-09-13.75-14.75RE

Quant Time: Dec 21 05:24:19 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	166940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	308735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	294407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	129370	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78955	40.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.280%
35) Dibromofluoromethane	7.810	113	92868	42.943	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.880%
50) Toluene-d8	10.269	98	403860	46.627	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.260%
62) 4-Bromofluorobenzene	12.575	95	111761	43.159	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.320%

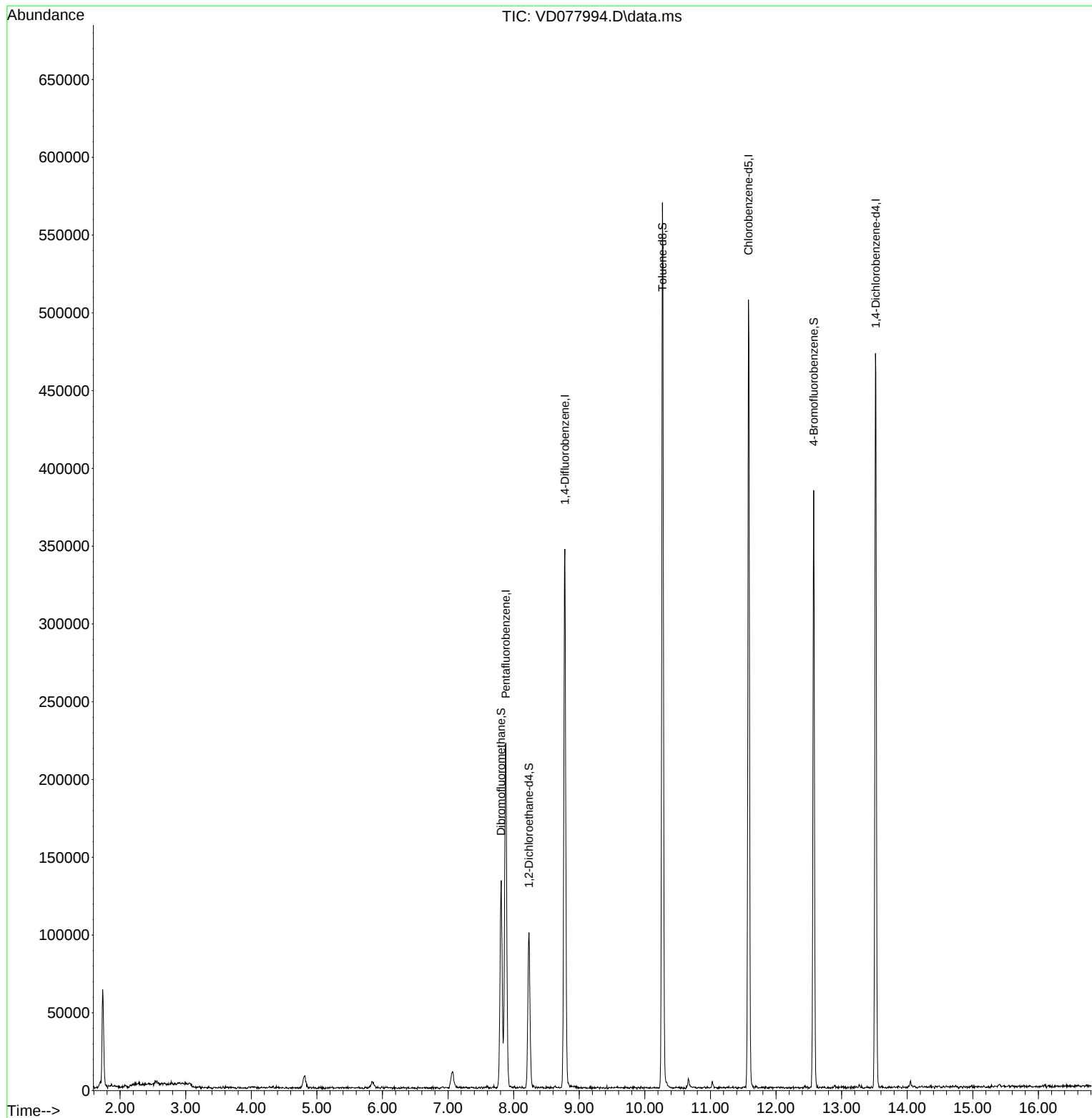
Target Compounds	Qvalue

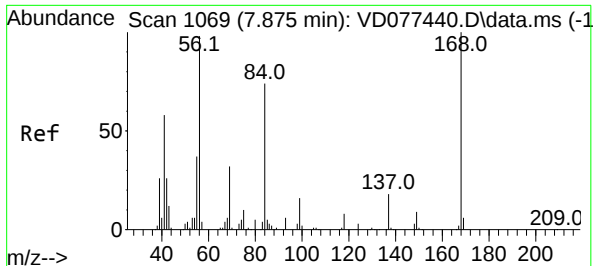
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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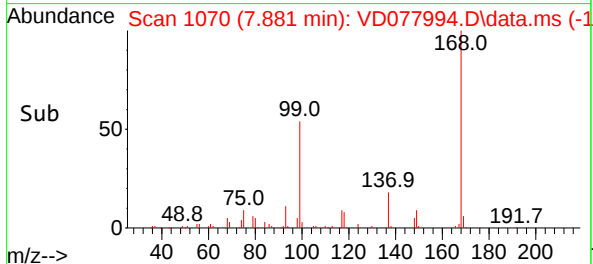
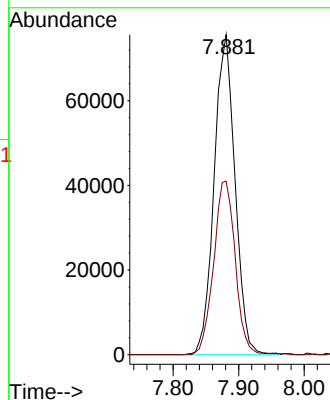
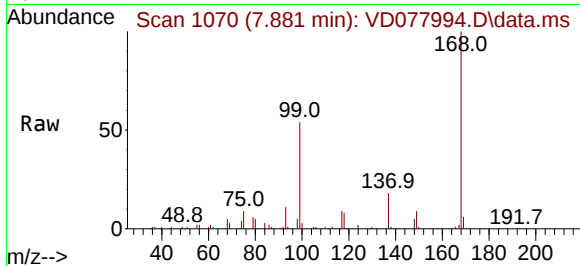




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

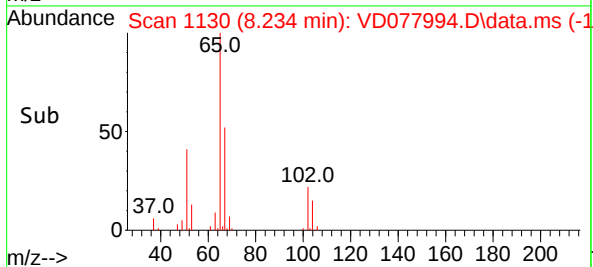
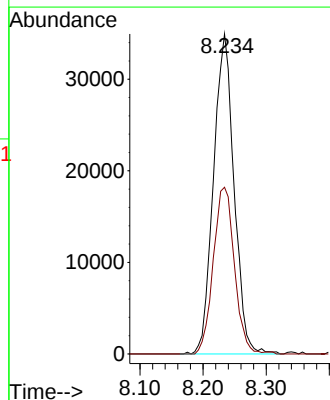
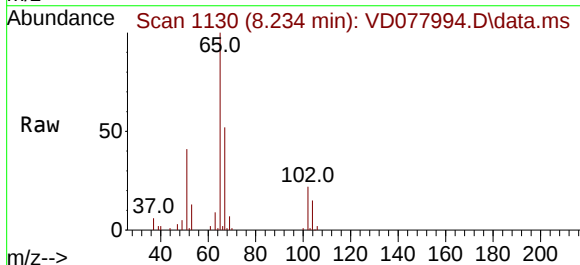
Instrument :
MSVOA_D
ClientSampleId :
RT-SB-09-13.75-14.75RE

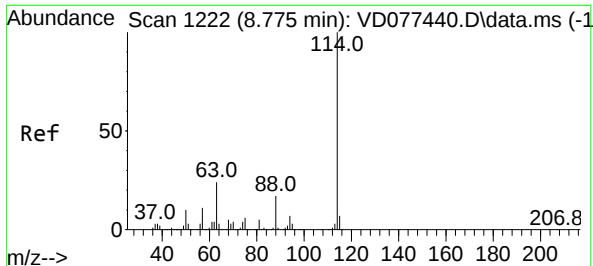
Tgt Ion:168 Resp: 166940
Ion Ratio Lower Upper
168 100
99 54.2 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 40.137 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

Tgt Ion: 65 Resp: 78955
Ion Ratio Lower Upper
65 100
67 53.4 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: VD077994.D

Acq: 20 Dec 2023 14:35

Instrument :

MSVOA_D

ClientSampleId :

RT-SB-09-13.75-14.75RE

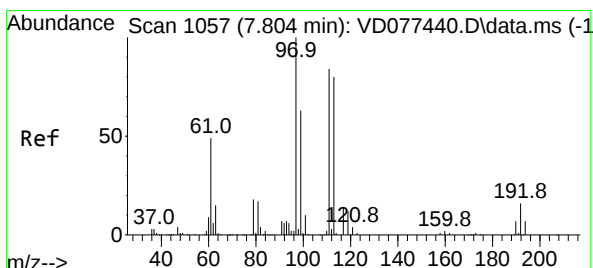
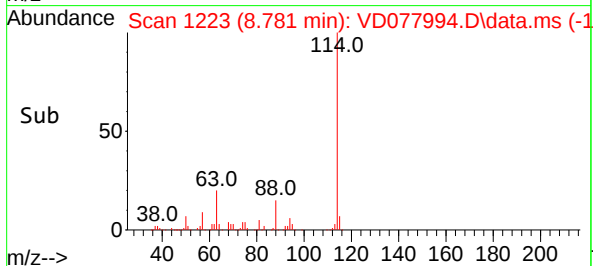
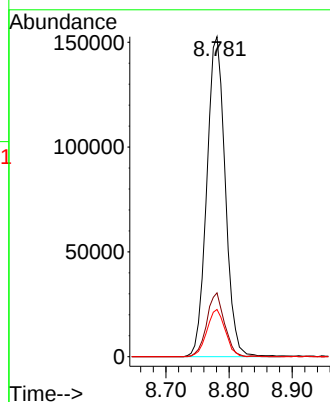
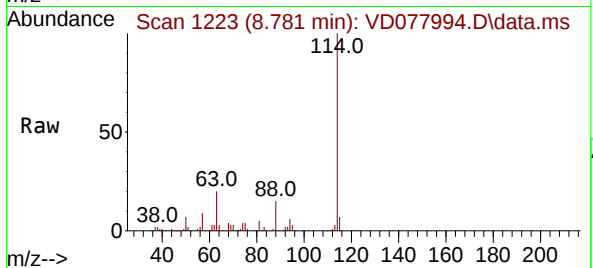
Tgt Ion:114 Resp: 308735

Ion Ratio Lower Upper

114 100

63 20.0 0.0 33.4

88 14.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.943 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077994.D

Acq: 20 Dec 2023 14:35

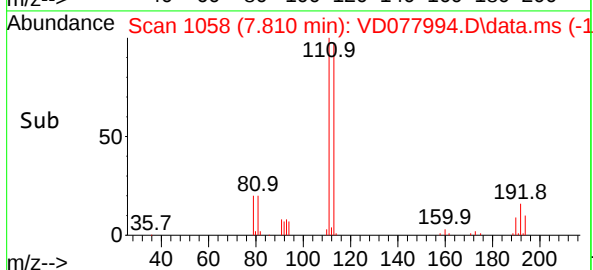
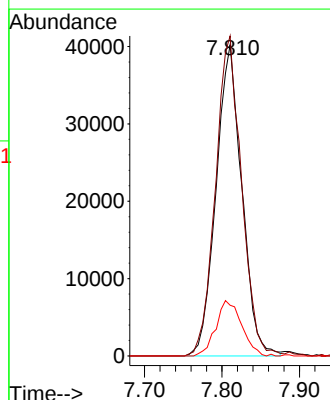
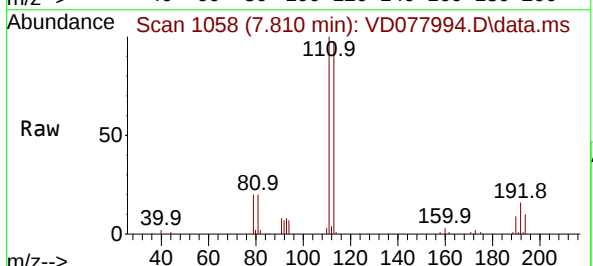
Tgt Ion:113 Resp: 92868

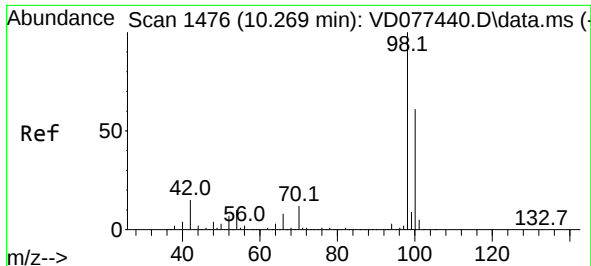
Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 17.8 16.8 25.2

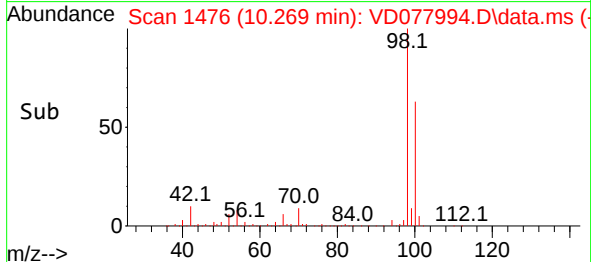
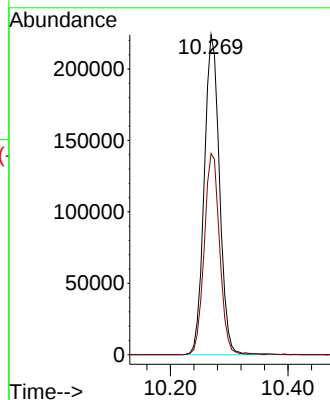
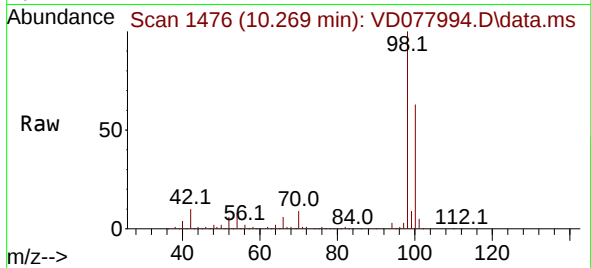




#50
Toluene-d8
Concen: 46.627 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

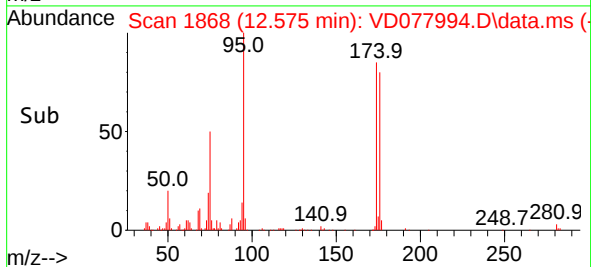
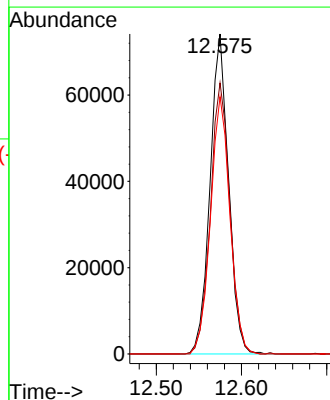
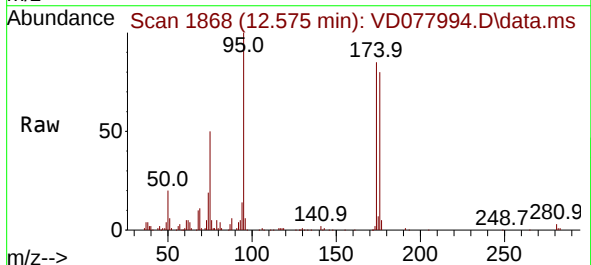
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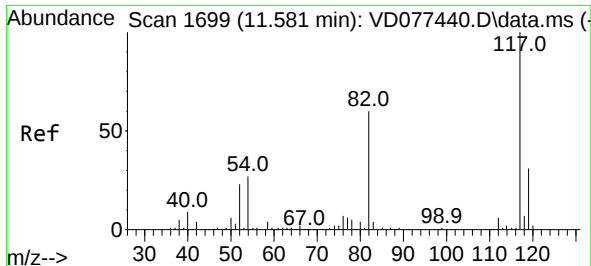
Tgt Ion: 98 Resp: 403860
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.159 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

Tgt Ion: 95 Resp: 111761
Ion Ratio Lower Upper
95 100
174 89.1 0.0 201.8
176 84.4 0.0 191.8

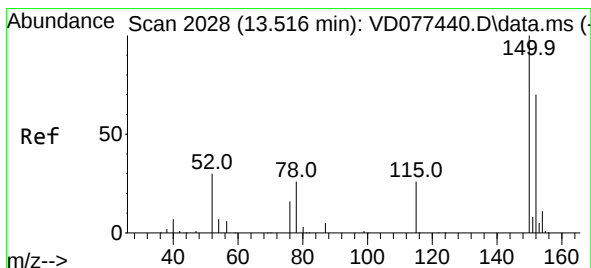
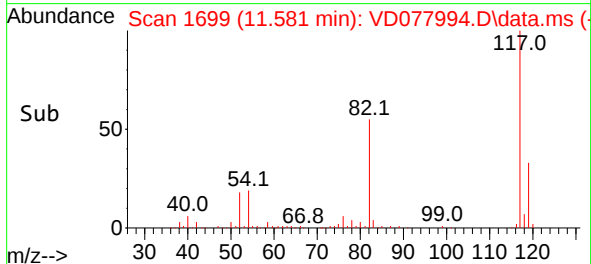
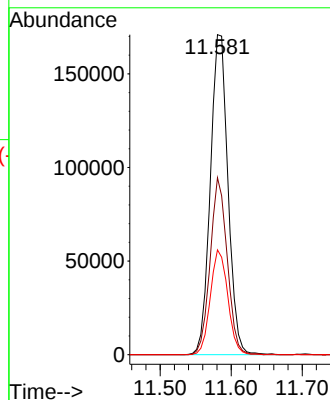
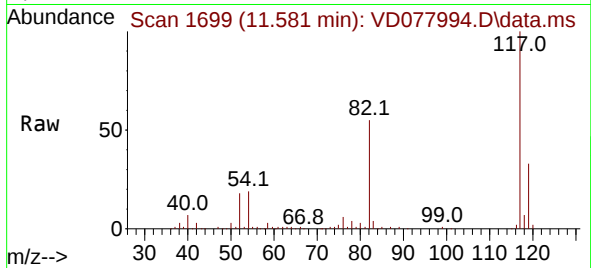




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

Instrument :
MSVOA_D
ClientSampleId :
RT-SB-09-13.75-14.75RE

Tgt Ion:117 Resp: 294407
Ion Ratio Lower Upper
117 100
82 55.3 38.3 57.5
119 32.7 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: VD077994.D
Acq: 20 Dec 2023 14:35

Tgt Ion:152 Resp: 129370
Ion Ratio Lower Upper
152 100
115 55.8 27.1 81.3
150 156.6 0.0 353.6

