

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077823.D
 Acq On : 11 Dec 2023 20:37
 Operator : JC/SY
 Sample : 05628-03
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-7.5-8.0

Quant Time: Dec 12 00:52:23 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	7.887	168	3764	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.781	114	9932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	10316	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	4529	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	4027	90.794	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	181.580%#
35) Dibromofluoromethane	7.810	113	3781	54.348	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.700%
50) Toluene-d8	10.269	98	11904	42.722	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.440%
62) 4-Bromofluorobenzene	12.575	95	3680	44.175	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.340%

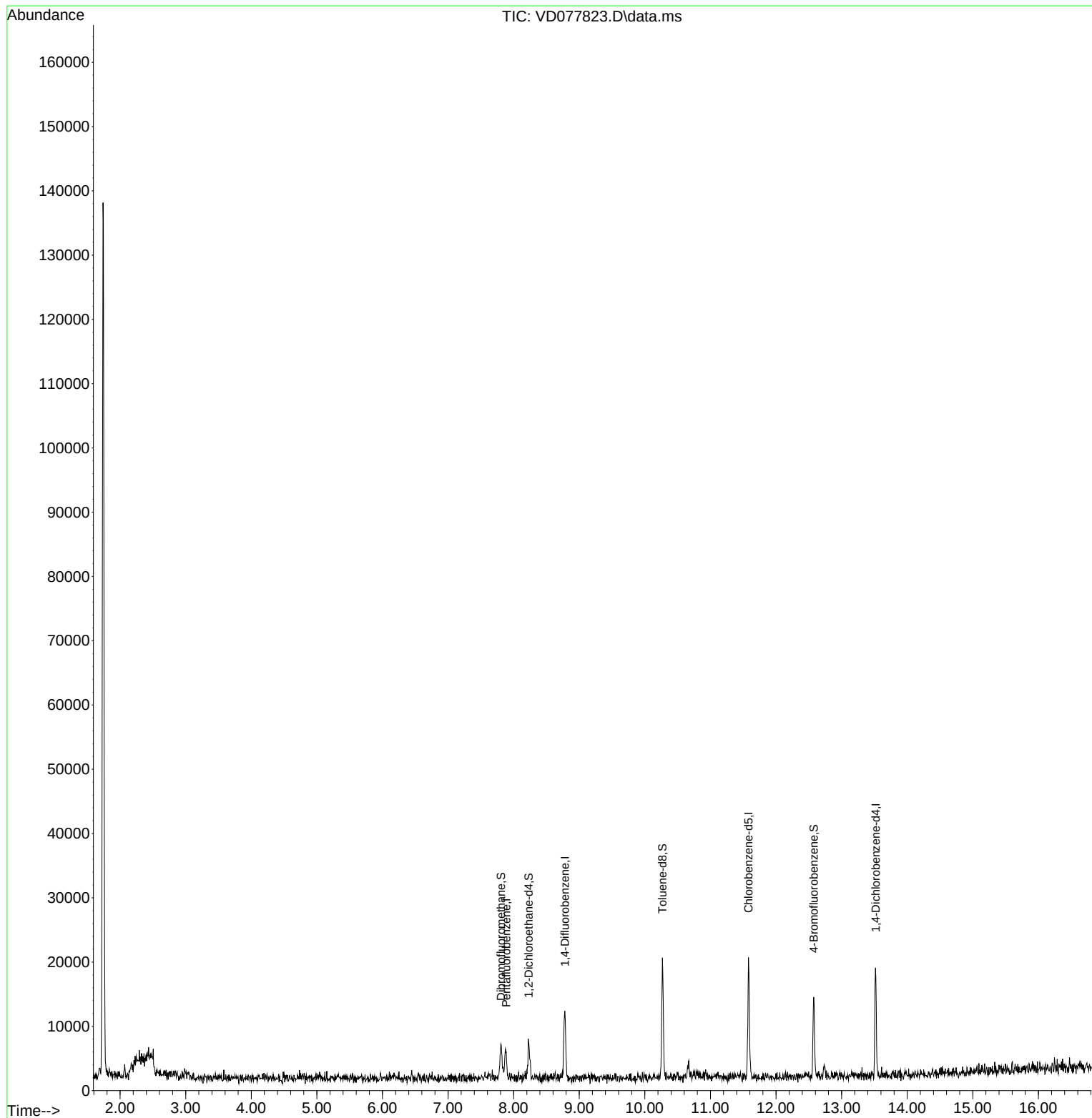
Target Compounds	Qvalue

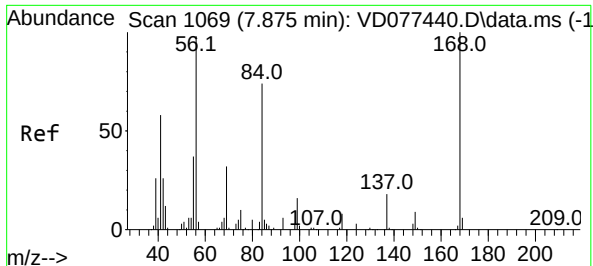
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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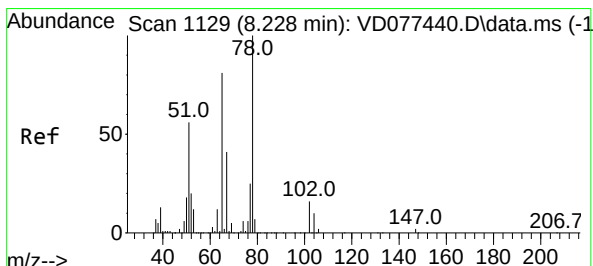
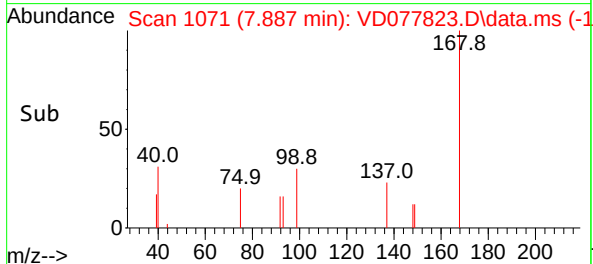
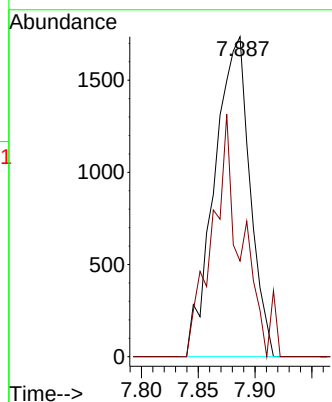
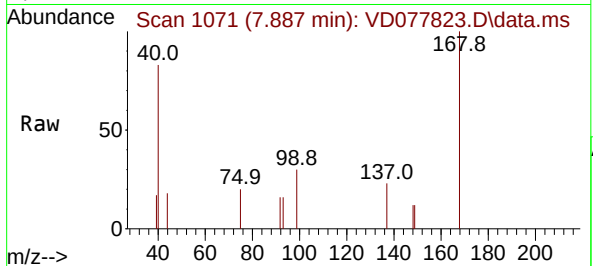




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.887 min Scan# 1069
Delta R.T. 0.012 min
Lab File: VD077823.D
Acq: 11 Dec 2023 20:37

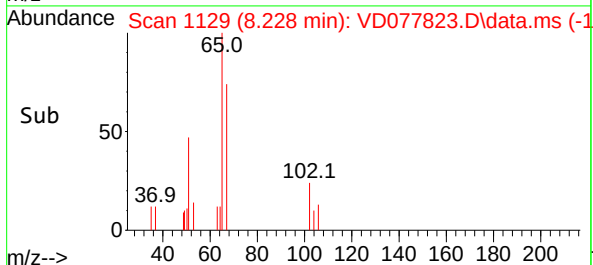
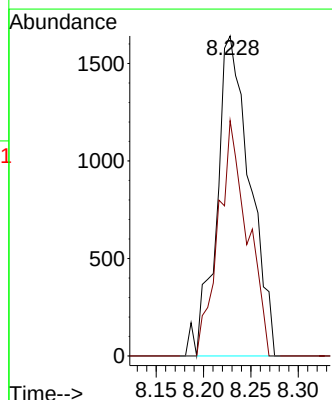
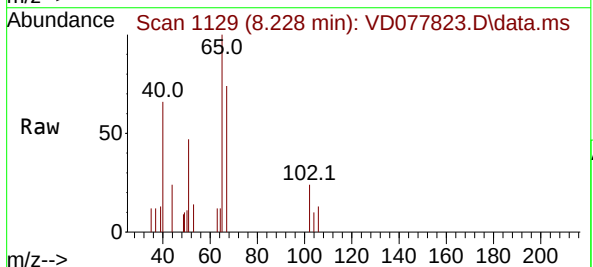
Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

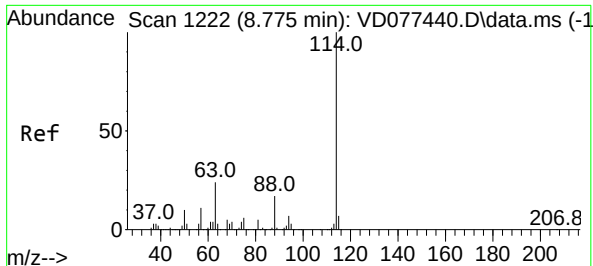
Tgt Ion:168 Resp: 3764
Ion Ratio Lower Upper
168 100
99 29.9 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 90.794 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077823.D
Acq: 11 Dec 2023 20:37

Tgt Ion: 65 Resp: 4027
Ion Ratio Lower Upper
65 100
67 64.2 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: VD077823.D

Acq: 11 Dec 2023 20:37

Instrument :

MSVOA_D

ClientSampleId :

SB-02-7.5-8.0

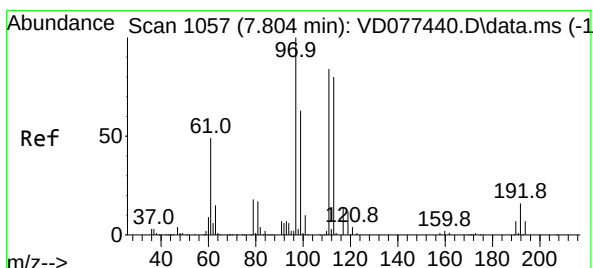
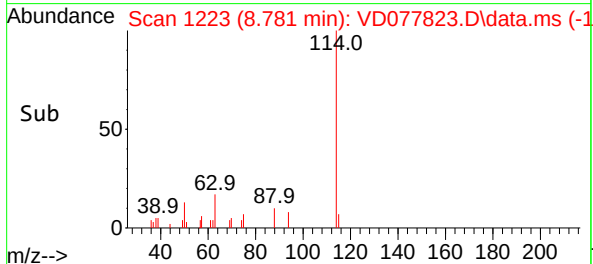
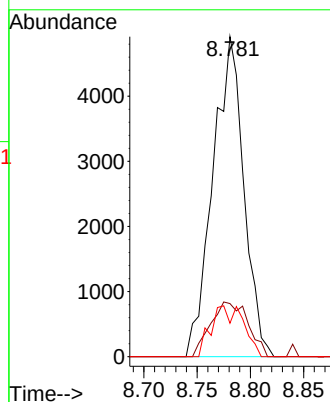
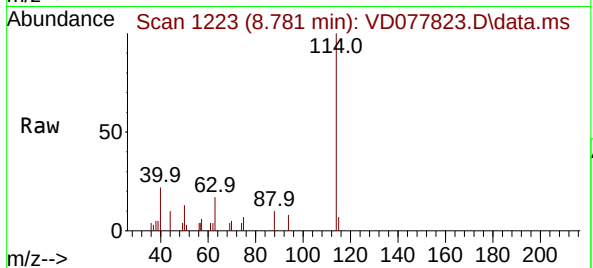
Tgt Ion:114 Resp: 9932

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 10.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 54.348 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077823.D

Acq: 11 Dec 2023 20:37

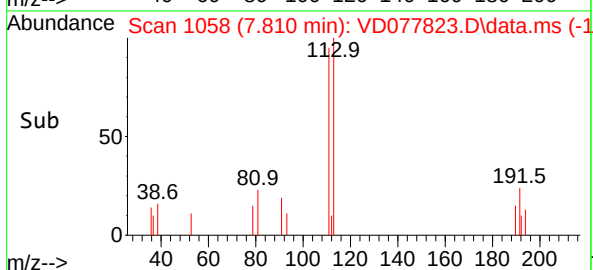
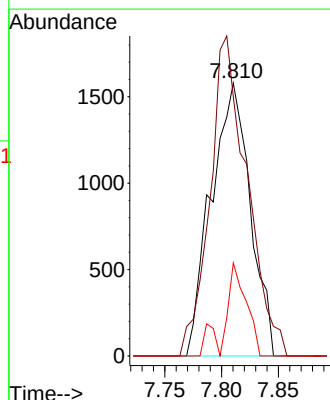
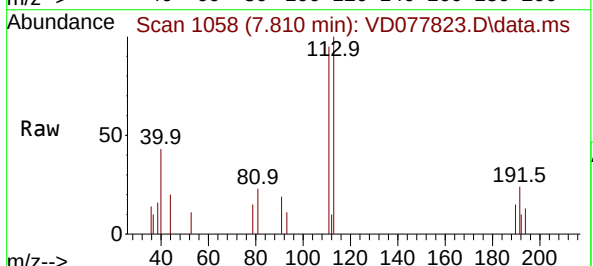
Tgt Ion:113 Resp: 3781

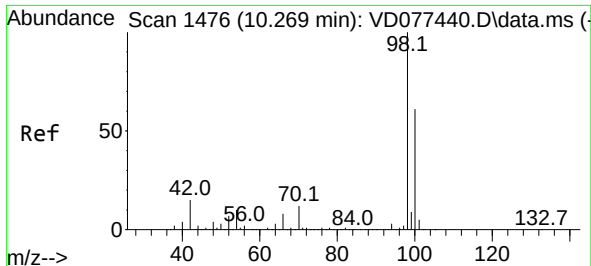
Ion Ratio Lower Upper

113 100

111 111.2 84.7 127.1

192 18.8 16.8 25.2

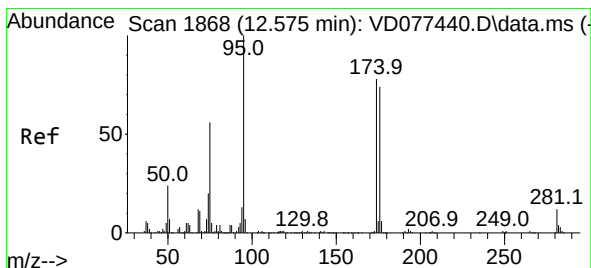
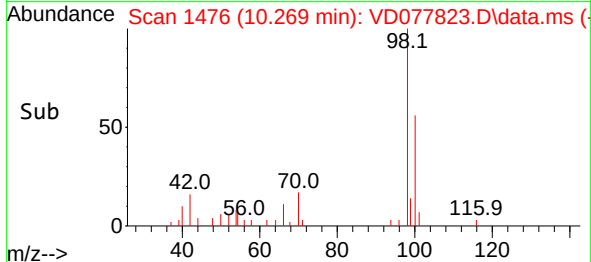
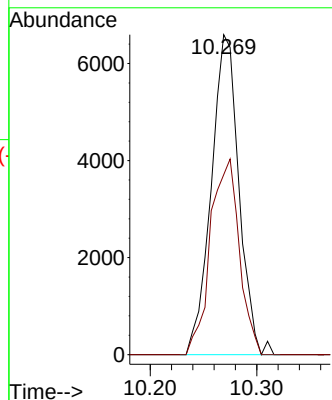
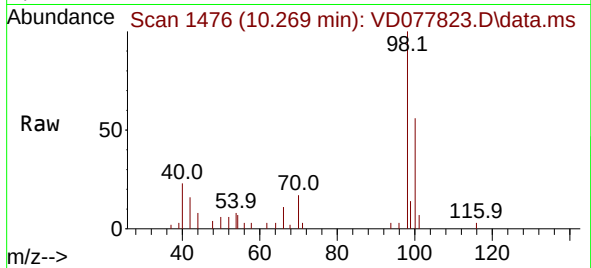




#50
Toluene-d8
Concen: 42.722 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077823.D
Acq: 11 Dec 2023 20:37

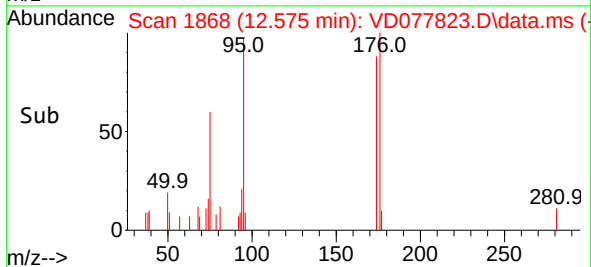
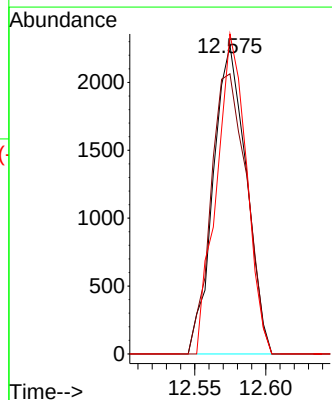
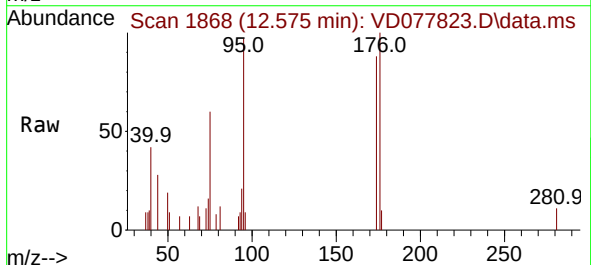
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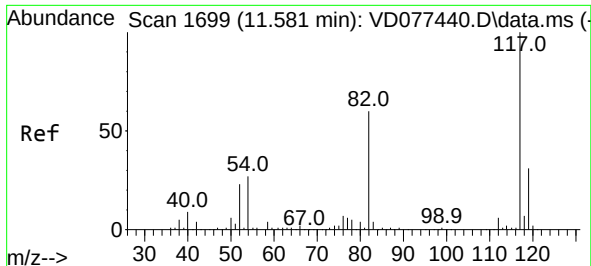
Tgt Ion: 98 Resp: 11904
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.175 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077823.D
Acq: 11 Dec 2023 20:37

Tgt Ion: 95 Resp: 3680
Ion Ratio Lower Upper
95 100
174 98.4 0.0 201.8
176 94.4 0.0 191.8

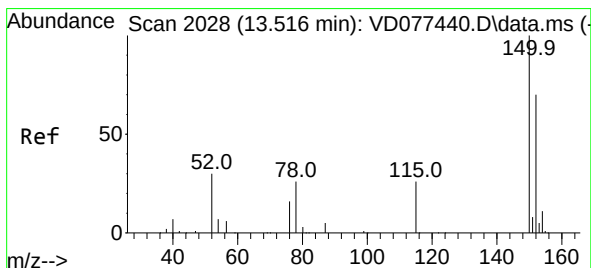
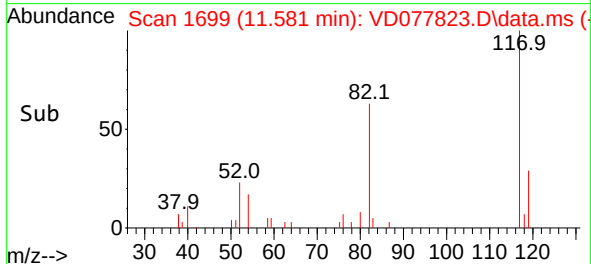
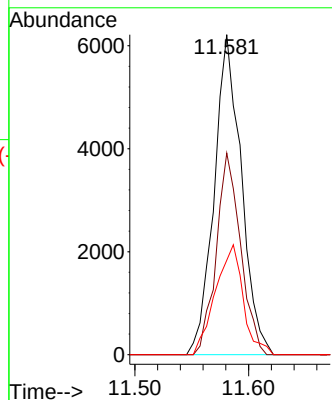
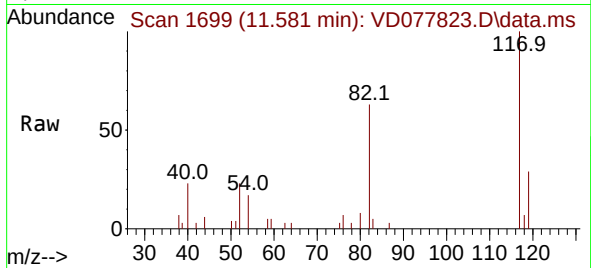




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077823.D
Acq: 11 Dec 2023 20:37

Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0

Tgt Ion:117 Resp: 10316
Ion Ratio Lower Upper
117 100
82 63.0 38.3 57.5#
119 29.5 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: VD077823.D
Acq: 11 Dec 2023 20:37

Tgt Ion:152 Resp: 4529
Ion Ratio Lower Upper
152 100
115 57.4 27.1 81.3
150 157.4 0.0 353.6

