

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077325.D
 Acq On : 12 Oct 2023 19:00
 Operator : JC/SY
 Sample : 04858-04
 Misc : 5.65G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2

Quant Time: Oct 13 02:33:40 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	148369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	343668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	502458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	264347	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77204	66.187	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.380%
35) Dibromofluoromethane	7.805	113	108317	60.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.060%
50) Toluene-d8	10.269	98	473857	78.966	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	157.940%#
62) 4-Bromofluorobenzene	12.575	95	220049	109.181	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	218.360%#

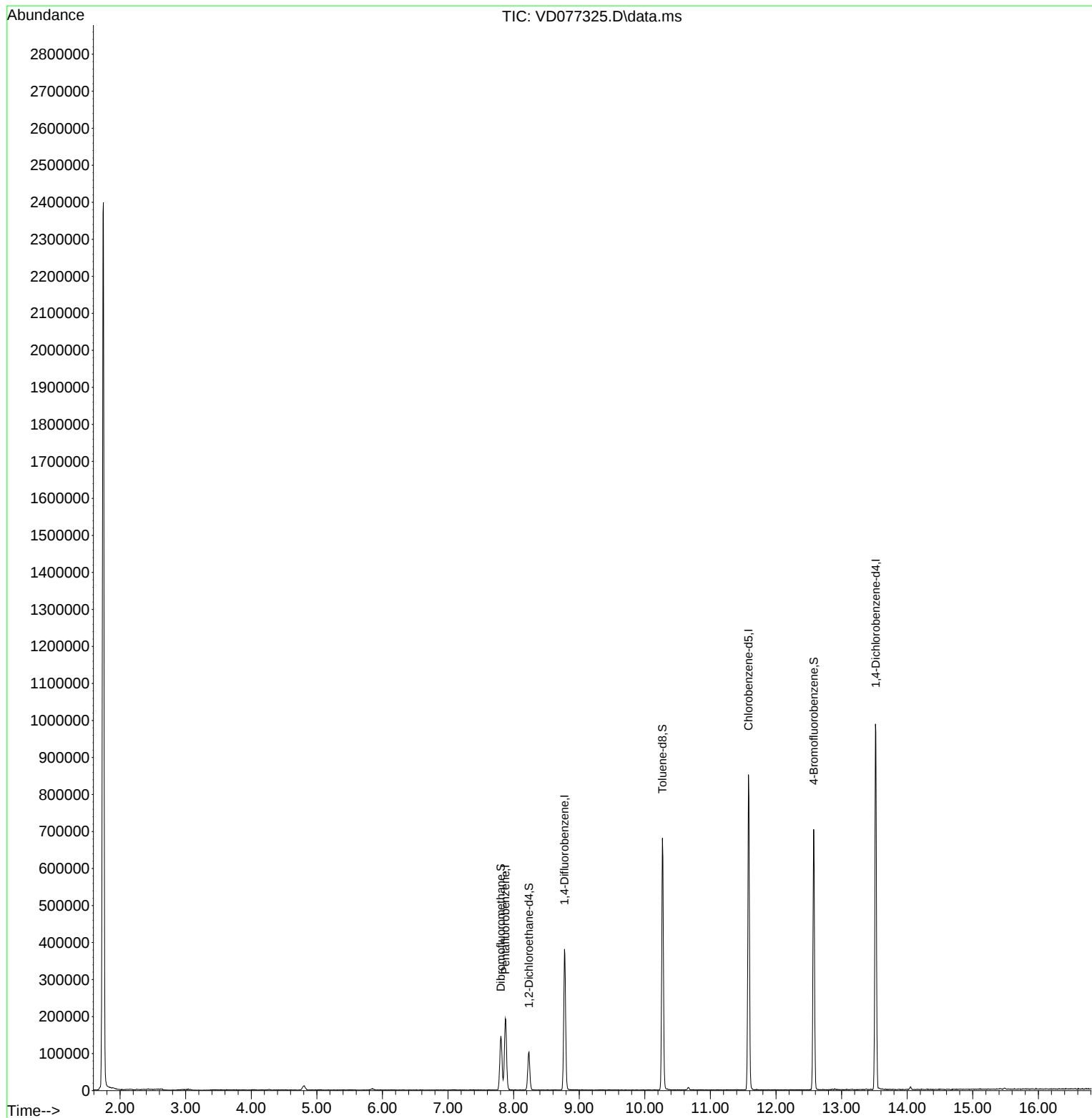
Target Compounds	Qvalue

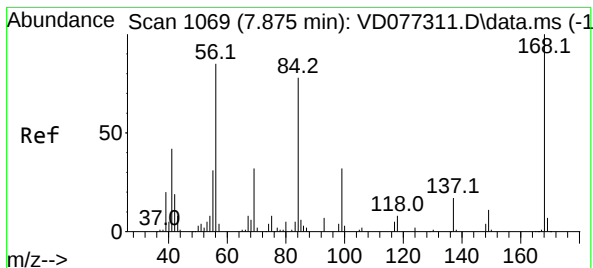
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD077325.D

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Instrument :

MSVOA_D

ClientSampleId :

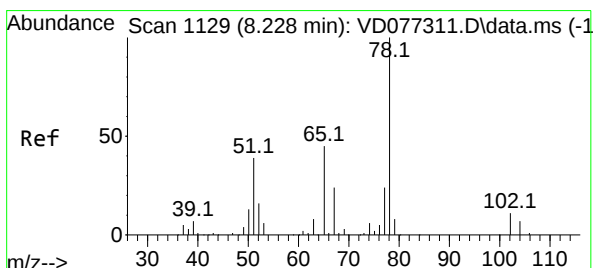
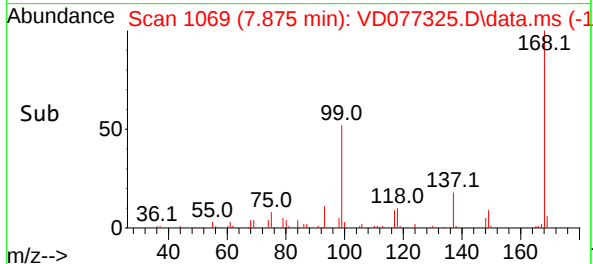
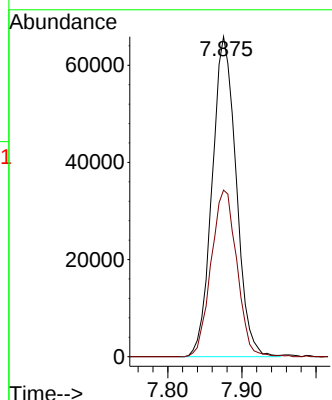
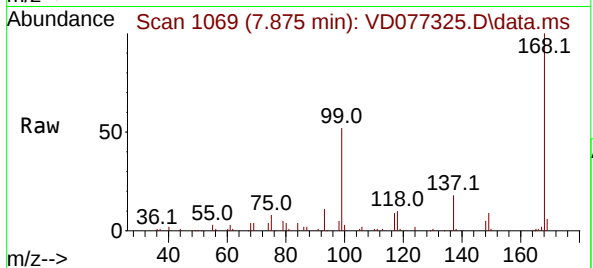
WC-2

Tgt Ion:168 Resp: 148369

Ion Ratio Lower Upper

168 100

99 52.1 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 66.187 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077325.D

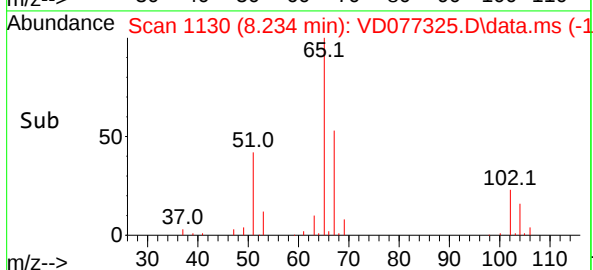
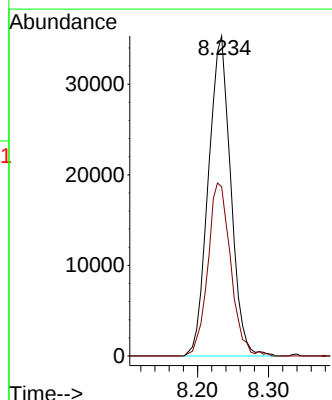
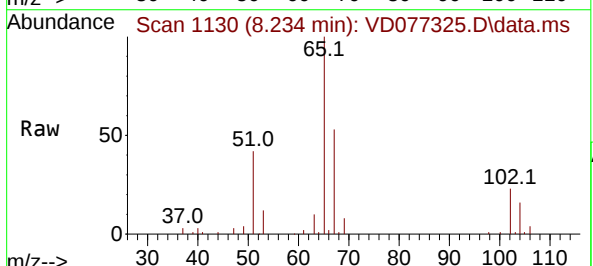
Acq: 12 Oct 2023 19:00

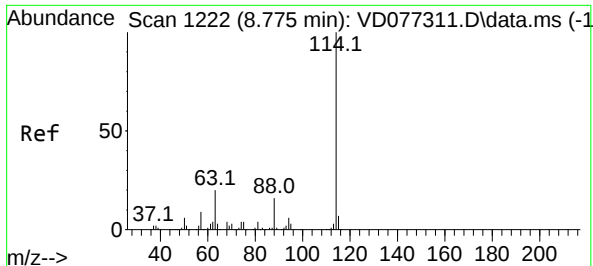
Tgt Ion: 65 Resp: 77204

Ion Ratio Lower Upper

65 100

67 54.8 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: VD077325.D

Acq: 12 Oct 2023 19:00

Instrument :

MSVOA_D

ClientSampleId :

WC-2

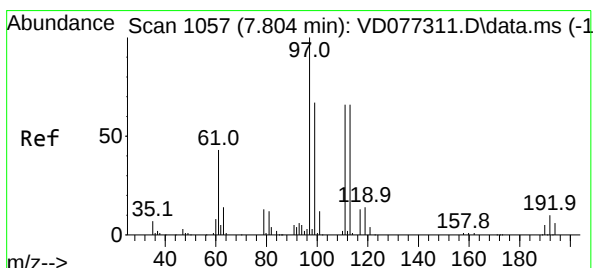
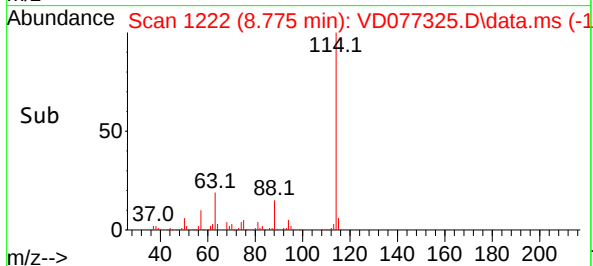
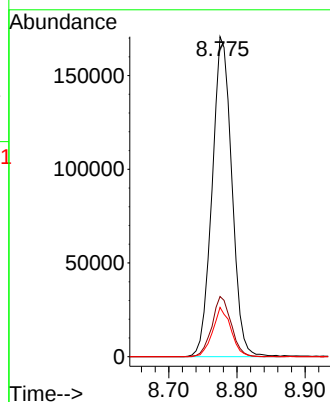
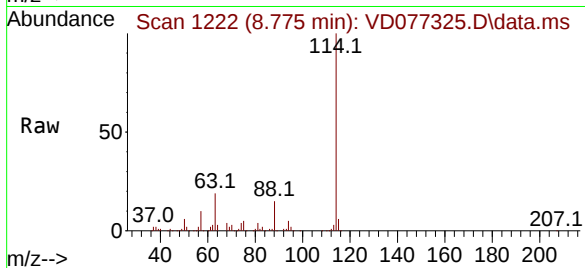
Tgt Ion:114 Resp: 343668

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 15.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 60.527 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077325.D

Acq: 12 Oct 2023 19:00

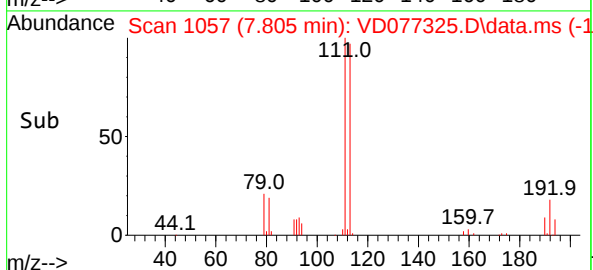
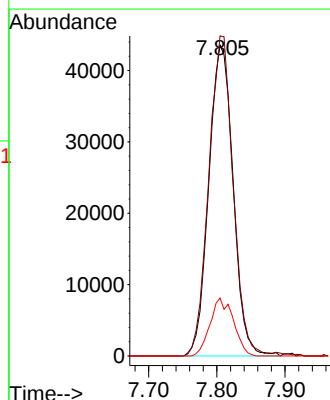
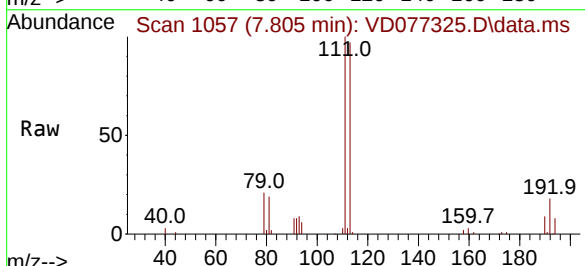
Tgt Ion:113 Resp: 108317

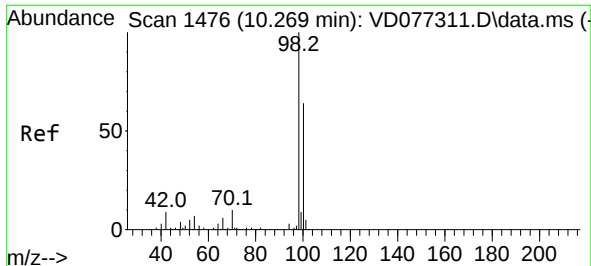
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 17.9 16.8 25.2

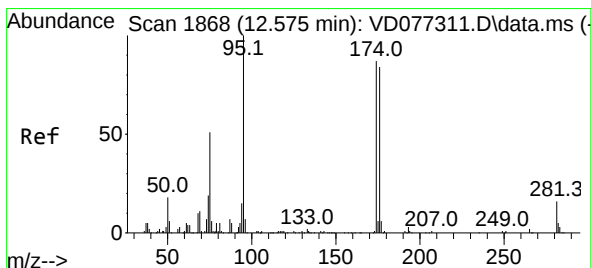
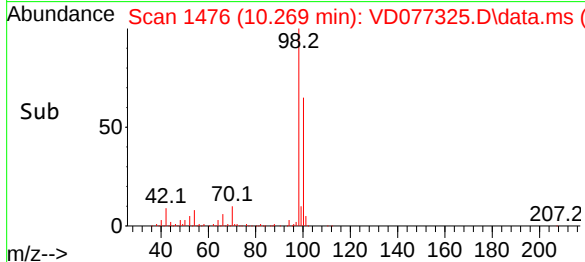
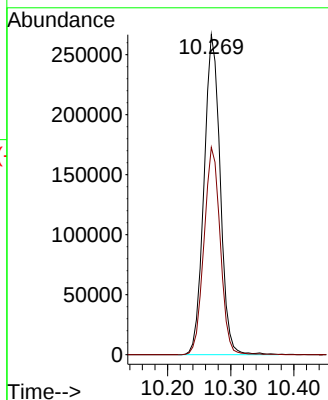
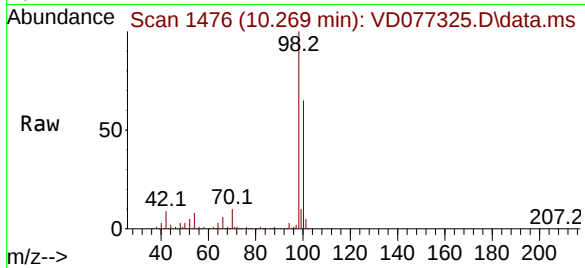




#50
Toluene-d8
Concen: 78.966 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

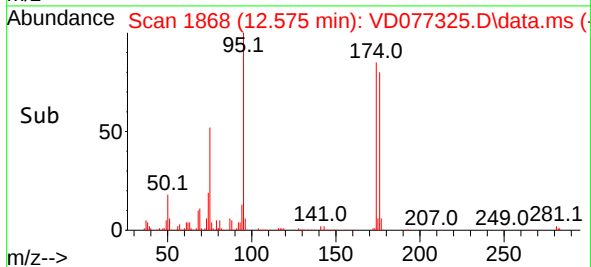
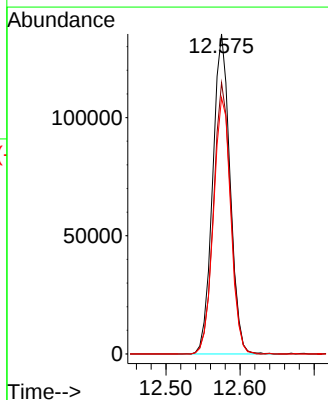
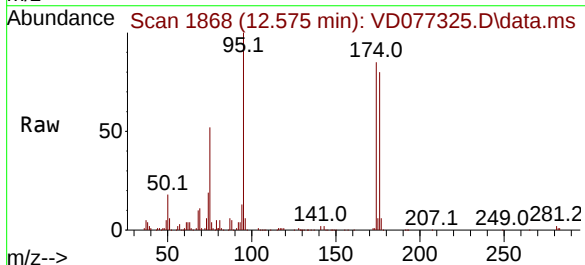
Instrument :
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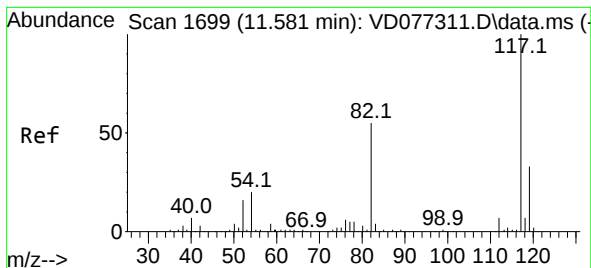
Tgt Ion: 98 Resp: 473857
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 109.181 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

Tgt Ion: 95 Resp: 220049
Ion Ratio Lower Upper
95 100
174 83.9 0.0 201.8
176 79.9 0.0 191.8

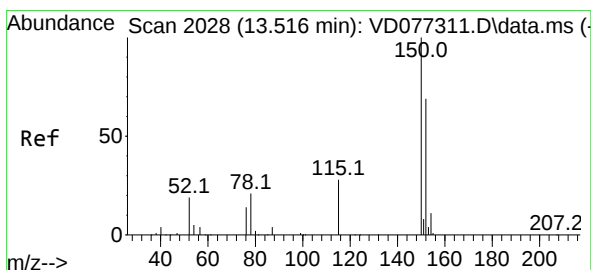
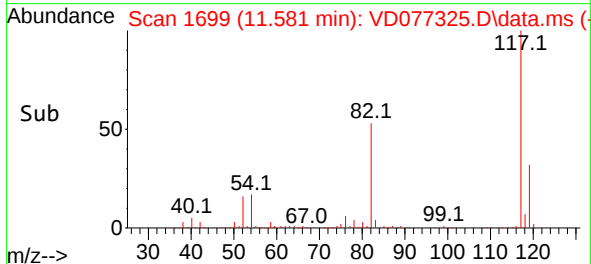
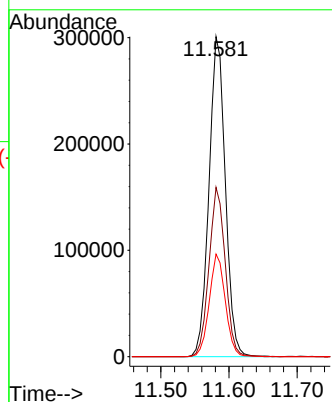
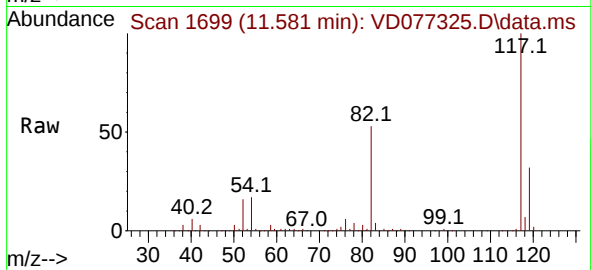




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD077325.D
Acq: 12 Oct 2023 19:00

Instrument :
MSVOA_D
ClientSampleId :
WC-2

Tgt Ion:117 Resp: 502458
Ion Ratio Lower Upper
117 100
82 52.9 38.3 57.5
119 32.0 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: VD077325.D
Acq: 12 Oct 2023 19:00

Tgt Ion:152 Resp: 264347
Ion Ratio Lower Upper
152 100
115 58.1 27.1 81.3
150 159.6 0.0 353.6

