

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077326.D
 Acq On : 12 Oct 2023 19:28
 Operator : JC/SY
 Sample : 04858-07
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-3

Quant Time: Oct 13 02:33:58 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	163649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	370365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	516785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	261870	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76439	59.413	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.820%
35) Dibromofluoromethane	7.804	113	109760	56.912	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.820%
50) Toluene-d8	10.269	98	495944	76.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	153.380%#
62) 4-Bromofluorobenzene	12.575	95	219953	101.267	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	202.540%#

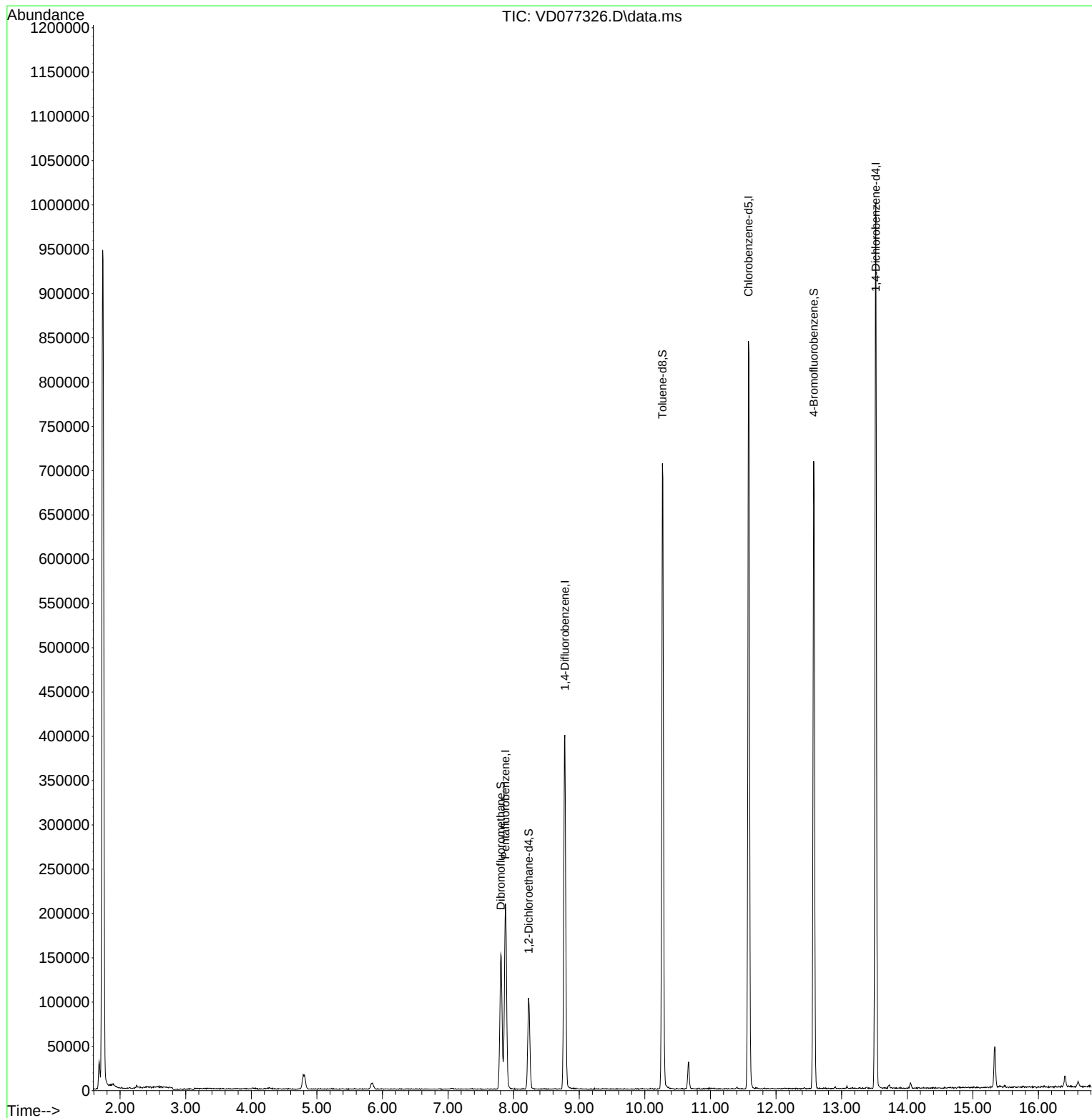
Target Compounds	Qvalue

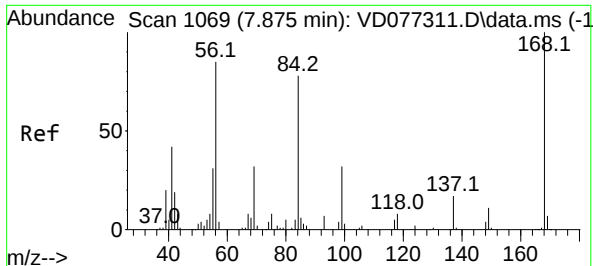
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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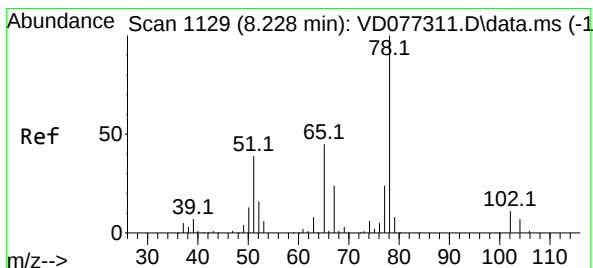
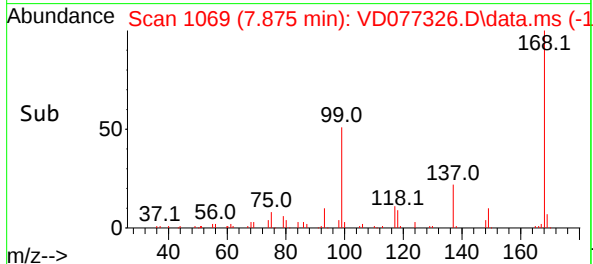
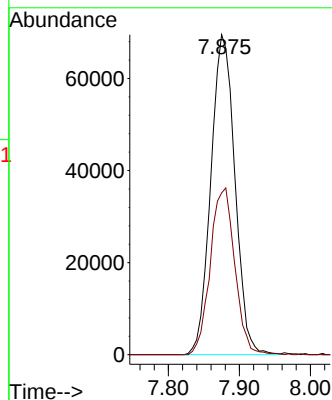
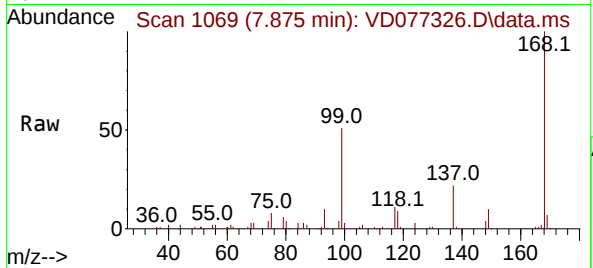




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

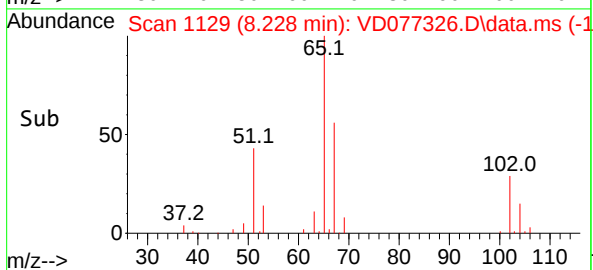
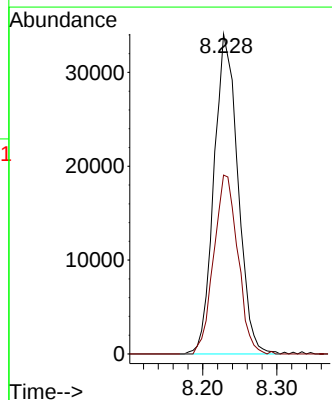
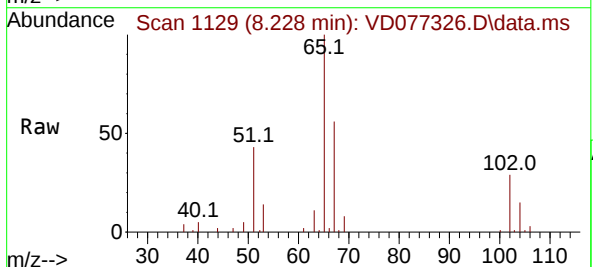
Instrument :
MSVOA_D
ClientSampleId :
WC-3

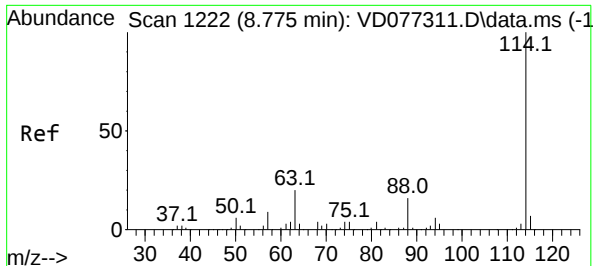
Tgt Ion:168 Resp: 163649
Ion Ratio Lower Upper
168 100
99 50.6 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 59.413 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

Tgt Ion: 65 Resp: 76439
Ion Ratio Lower Upper
65 100
67 56.2 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: VD077326.D

Acq: 12 Oct 2023 19:28

Instrument :

MSVOA_D

ClientSampleId :

WC-3

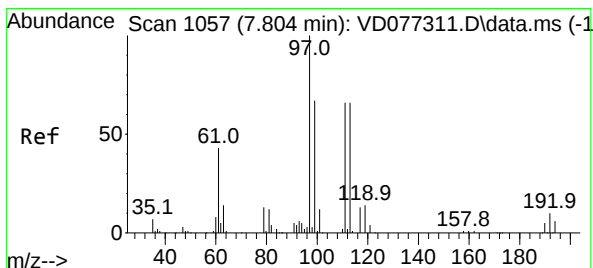
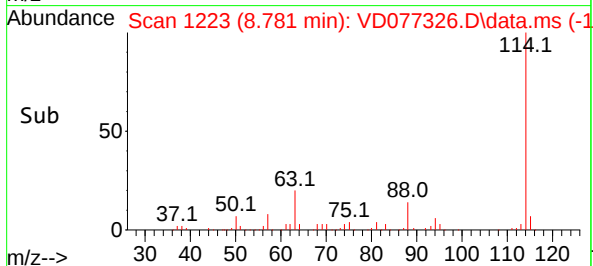
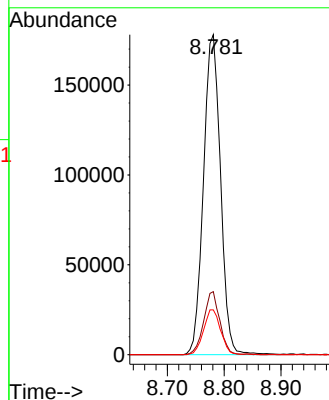
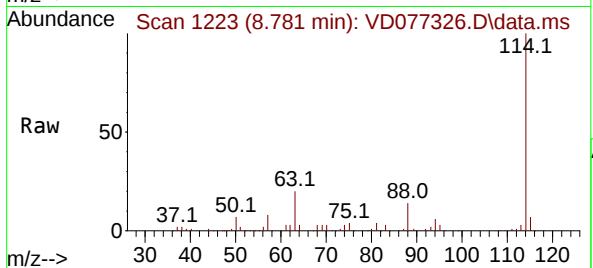
Tgt Ion:114 Resp: 370365

Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 56.912 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077326.D

Acq: 12 Oct 2023 19:28

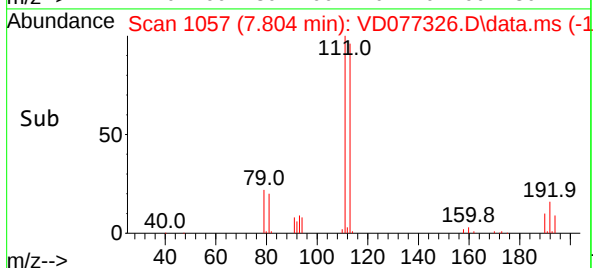
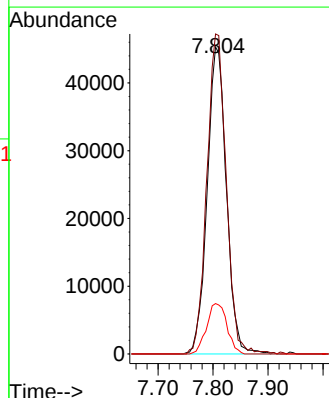
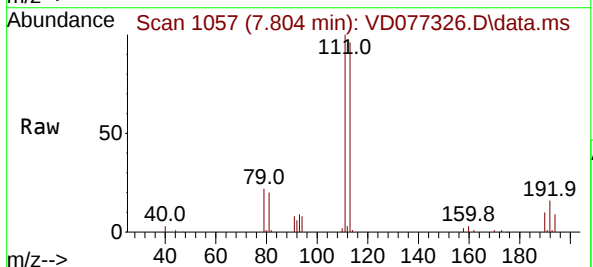
Tgt Ion:113 Resp: 109760

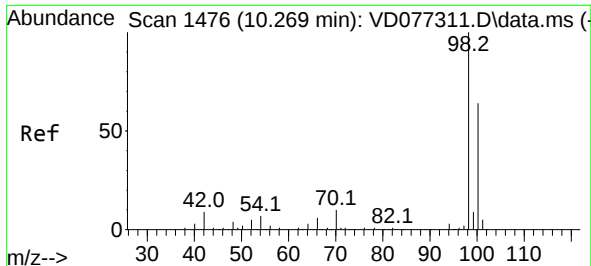
Ion Ratio Lower Upper

113 100

111 105.2 84.7 127.1

192 17.4 16.8 25.2

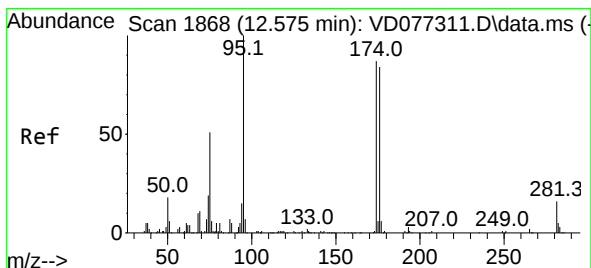
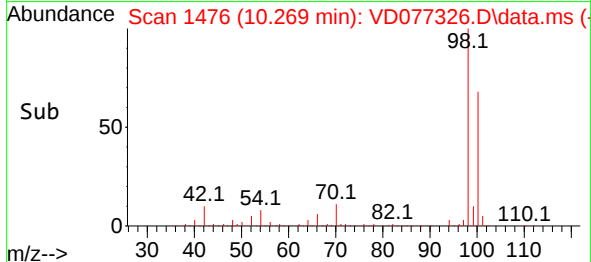
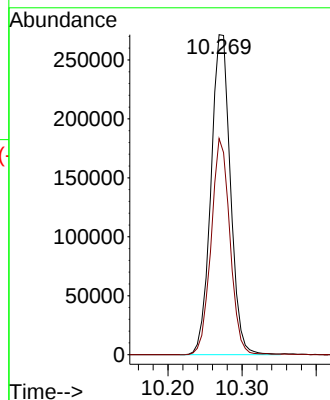
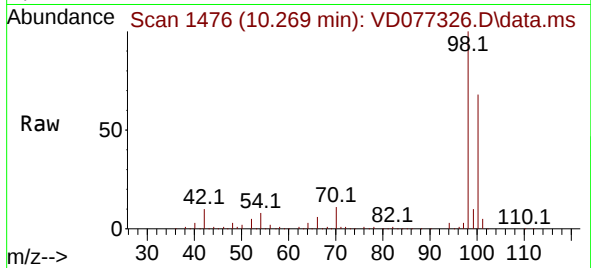




#50
Toluene-d8
Concen: 76.689 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

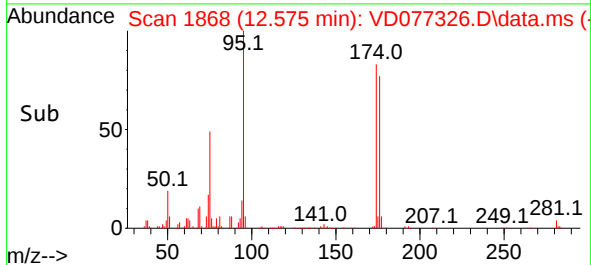
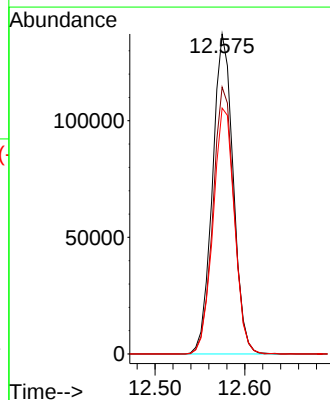
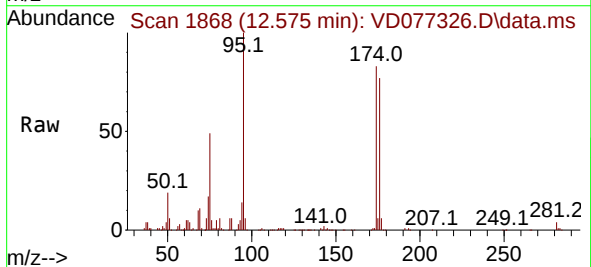
Instrument :
MSVOA_D
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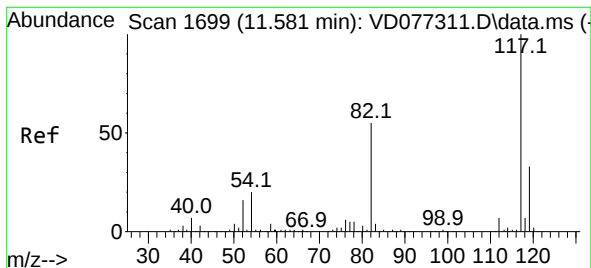
Tgt Ion: 98 Resp: 495944
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 101.267 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

Tgt Ion: 95 Resp: 219953
Ion Ratio Lower Upper
95 100
174 85.0 0.0 201.8
176 79.4 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077326.D

Acq: 12 Oct 2023 19:28

Instrument :

MSVOA_D

ClientSampleId :

WC-3

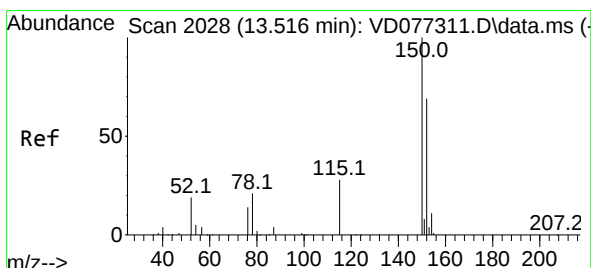
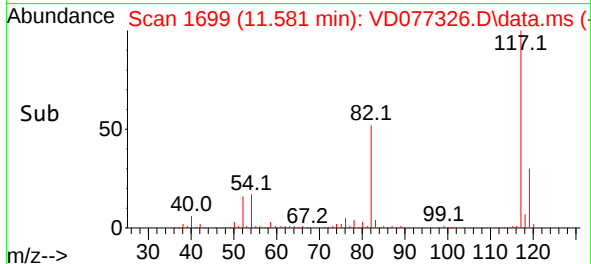
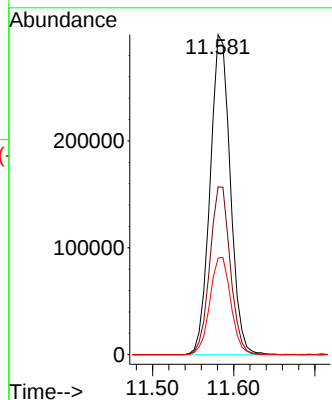
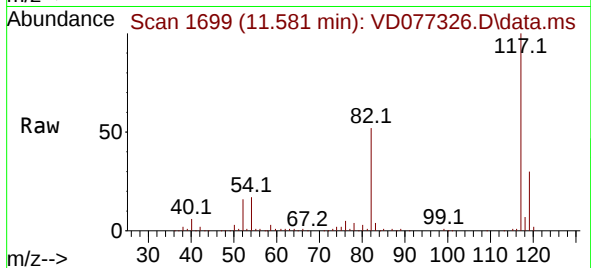
Tgt Ion:117 Resp: 516785

Ion Ratio Lower Upper

117 100

82 52.5 38.3 57.5

119 30.2 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: VD077326.D

Acq: 12 Oct 2023 19:28

Tgt Ion:152 Resp: 261870

Ion Ratio Lower Upper

152 100

115 58.3 27.1 81.3

150 159.1 0.0 353.6

