

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077937.D
 Acq On : 16 Dec 2023 16:45
 Operator : RP/MD
 Sample : 05765-03
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-SB-03-9.5-10.5

Quant Time: Dec 18 02:00:41 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	2681	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	4256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	3661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	1047	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	1682	53.242	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.480%
35) Dibromofluoromethane	7.793	113	627	21.032	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	42.060%#
50) Toluene-d8	10.269	98	4668	39.095	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.200%
62) 4-Bromofluorobenzene	12.569	95	1203	33.700	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.400%

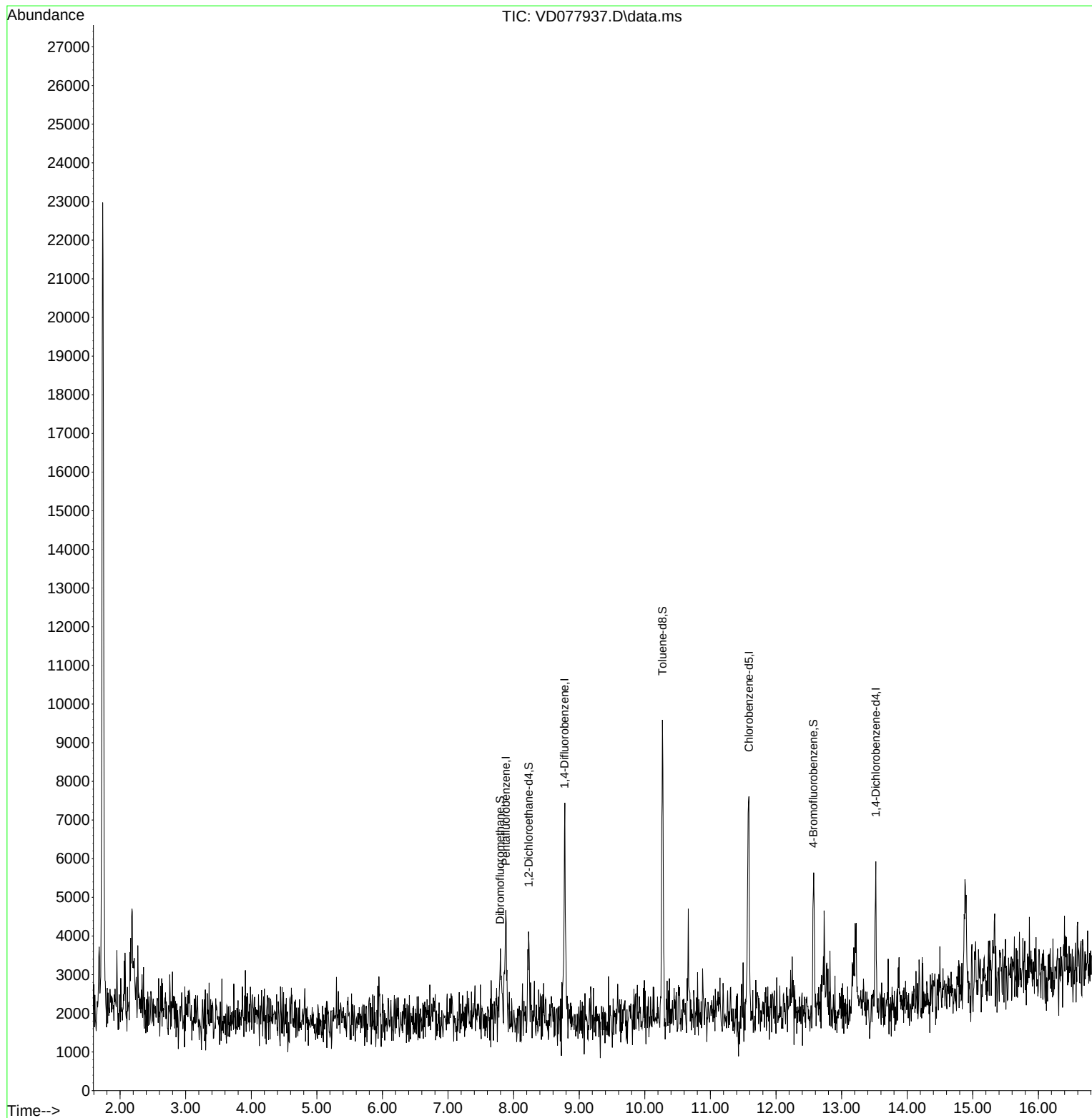
Target Compounds	Qvalue

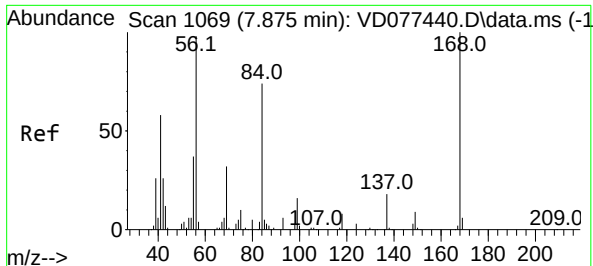
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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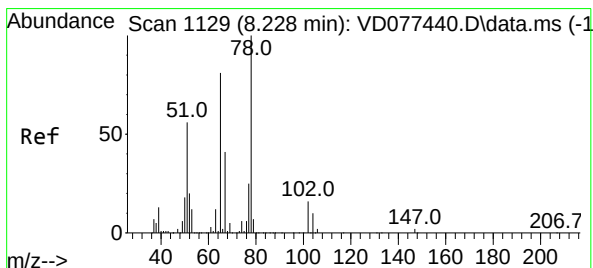
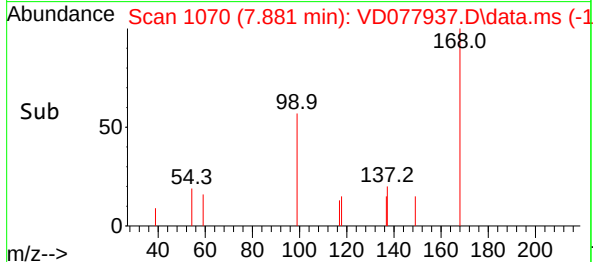
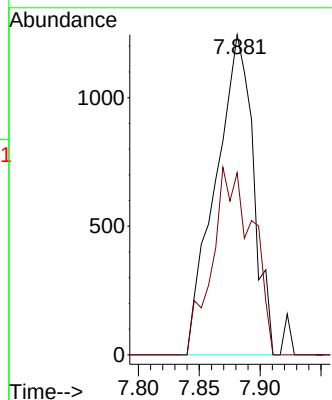
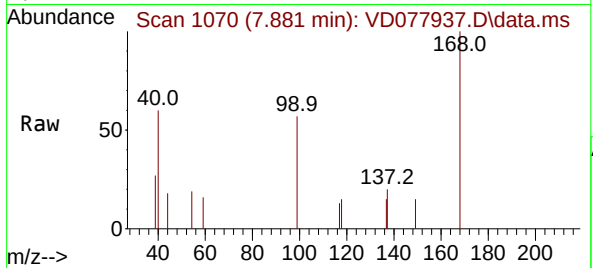




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077937.D
Acq: 16 Dec 2023 16:45

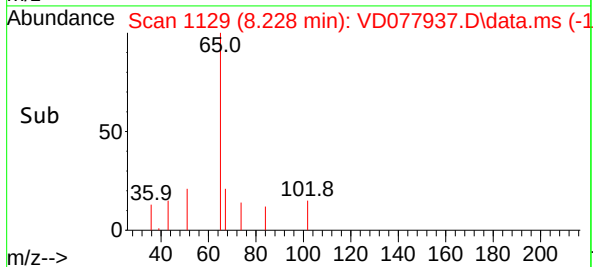
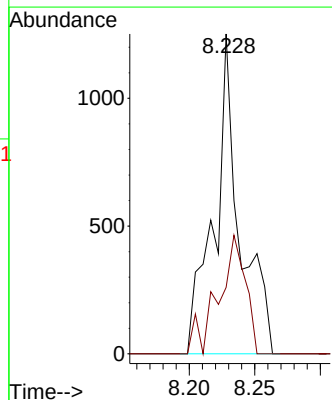
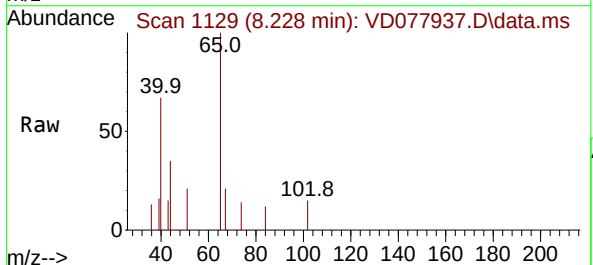
Instrument :
MSVOA_D
ClientSampleId :
RT-SB-03-9.5-10.5

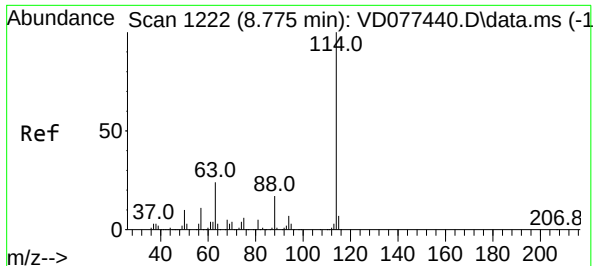
Tgt Ion:168 Resp: 2681
Ion Ratio Lower Upper
168 100
99 56.9 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 53.242 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077937.D
Acq: 16 Dec 2023 16:45

Tgt Ion: 65 Resp: 1682
Ion Ratio Lower Upper
65 100
67 39.7 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: VD077937.D

Acq: 16 Dec 2023 16:45

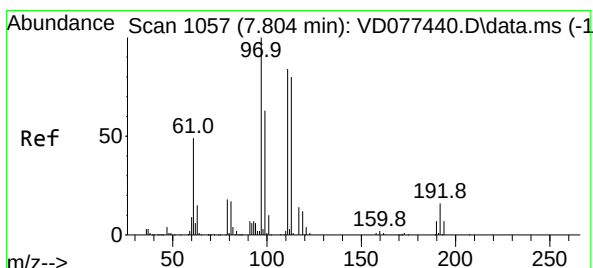
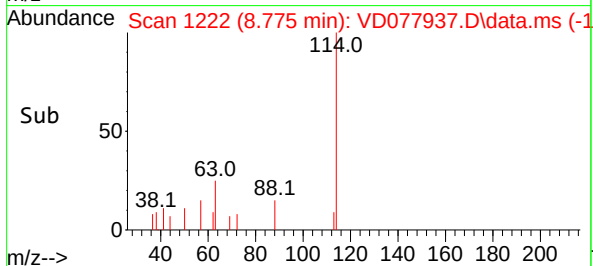
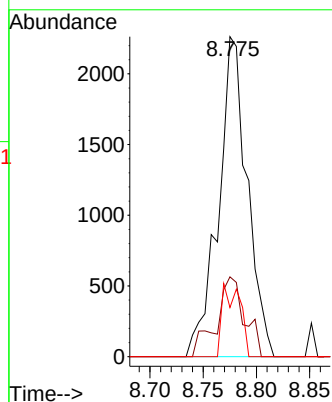
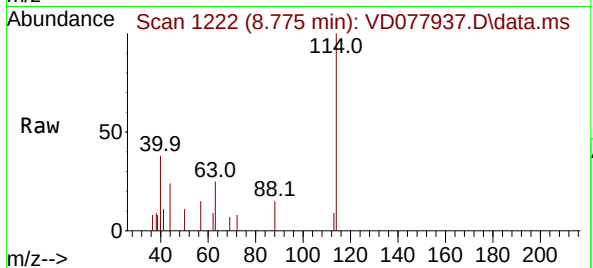
Instrument :

MSVOA_D

ClientSampleId :

RT-SB-03-9.5-10.5

Tgt Ion:114	Resp:	4256
Ion	Ratio	Lower Upper
114	100	
63	25.0	0.0 33.4
88	15.3	0.0 26.2



#35

Dibromofluoromethane

Concen: 21.032 ug/l

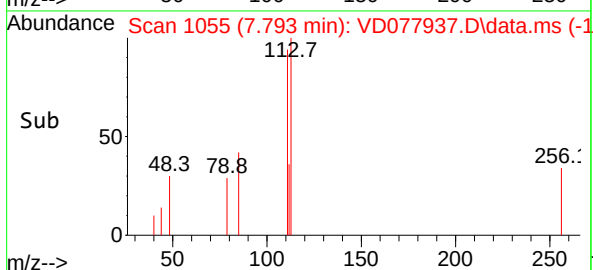
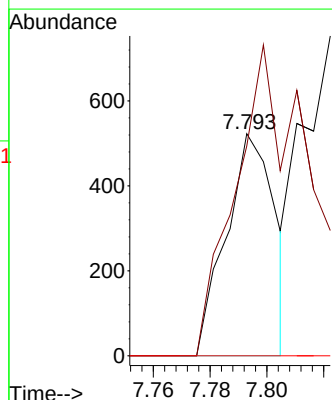
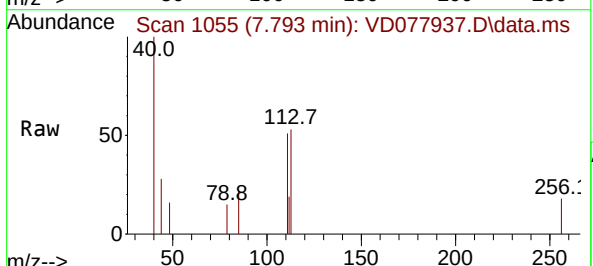
RT: 7.793 min Scan# 1055

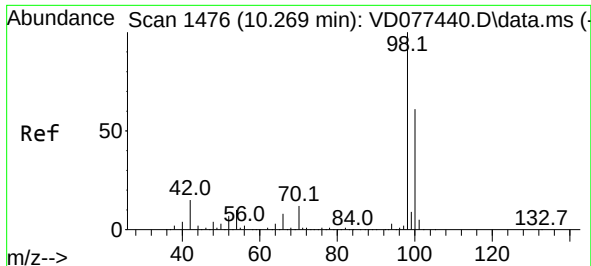
Delta R.T. -0.011 min

Lab File: VD077937.D

Acq: 16 Dec 2023 16:45

Tgt Ion:113	Resp:	627
Ion	Ratio	Lower Upper
113	100	
111	213.7	84.7 127.1#
192	0.0	16.8 25.2#

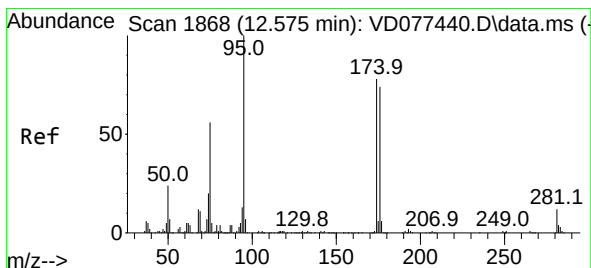
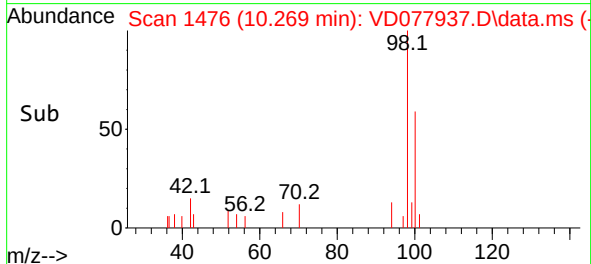
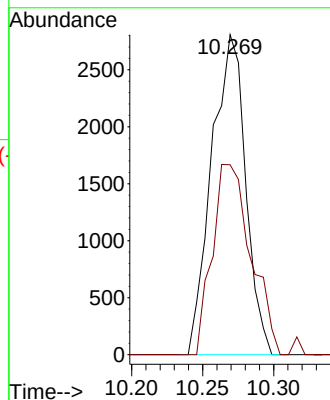
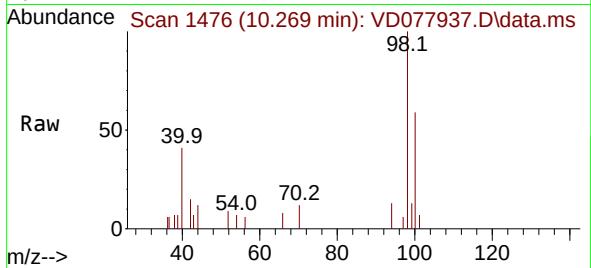




#50
Toluene-d8
Concen: 39.095 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077937.D
Acq: 16 Dec 2023 16:45

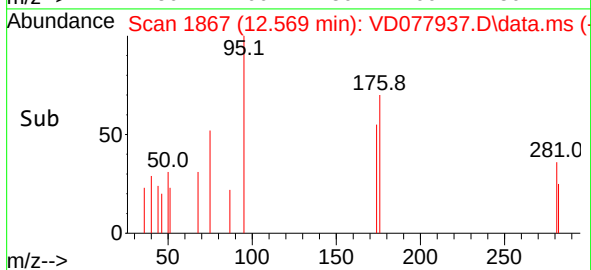
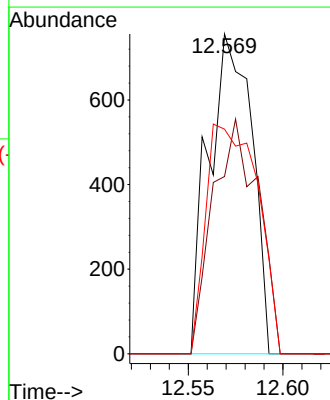
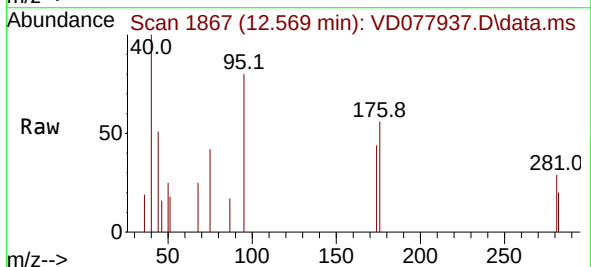
Instrument :
MSVOA_D
ClientSampleId :
RT-SB-03-9.5-10.5

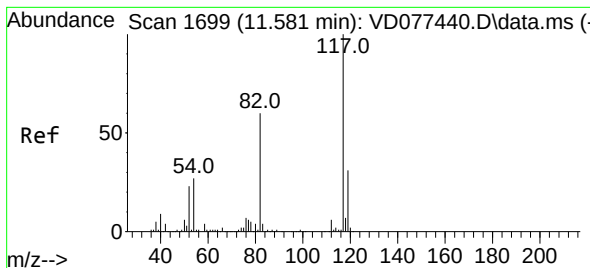
Tgt Ion: 98 Resp: 4668
Ion Ratio Lower Upper
98 100
100 67.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 33.700 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077937.D
Acq: 16 Dec 2023 16:45

Tgt Ion: 95 Resp: 1203
Ion Ratio Lower Upper
95 100
174 76.4 0.0 201.8
176 85.7 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077937.D

Acq: 16 Dec 2023 16:45

Instrument :

MSVOA_D

ClientSampleId :

RT-SB-03-9.5-10.5

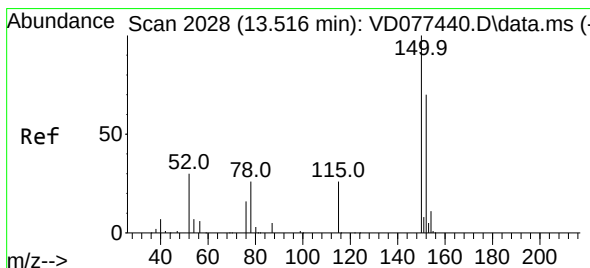
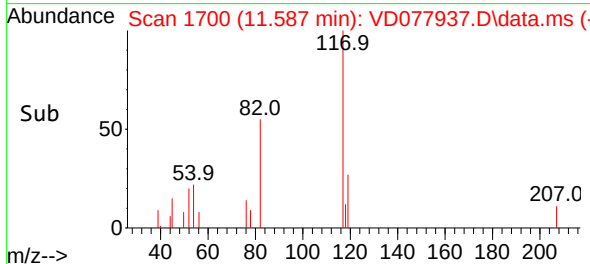
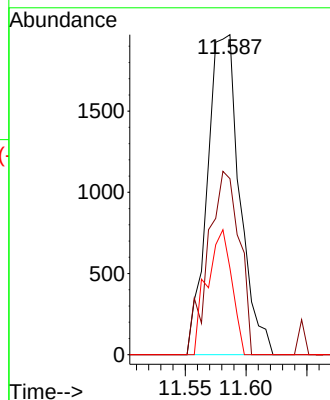
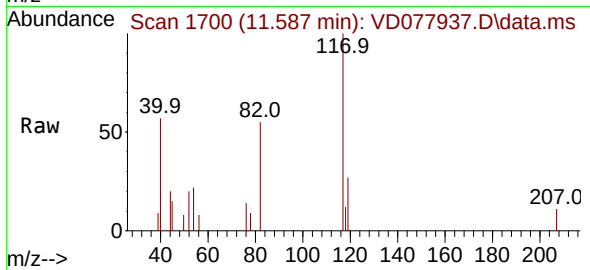
Tgt Ion:117 Resp: 3661

Ion Ratio Lower Upper

117 100

82 55.0 38.3 57.5

119 27.0 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: VD077937.D

Acq: 16 Dec 2023 16:45

Tgt Ion:152 Resp: 1047

Ion Ratio Lower Upper

152 100

115 64.7 27.1 81.3

150 146.2 0.0 353.6

