

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077397.D
 Acq On : 24 Oct 2023 16:21
 Operator : JC/SY
 Sample : 05011-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200010

Quant Time: Oct 25 04:06:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	116134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	232853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	162164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	40800	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	60778	58.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.220%
35) Dibromofluoromethane	7.804	113	72946	44.591	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.180%
50) Toluene-d8	10.269	98	167500	28.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	57.180%#
62) 4-Bromofluorobenzene	12.575	95	34628	20.533	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	41.060%

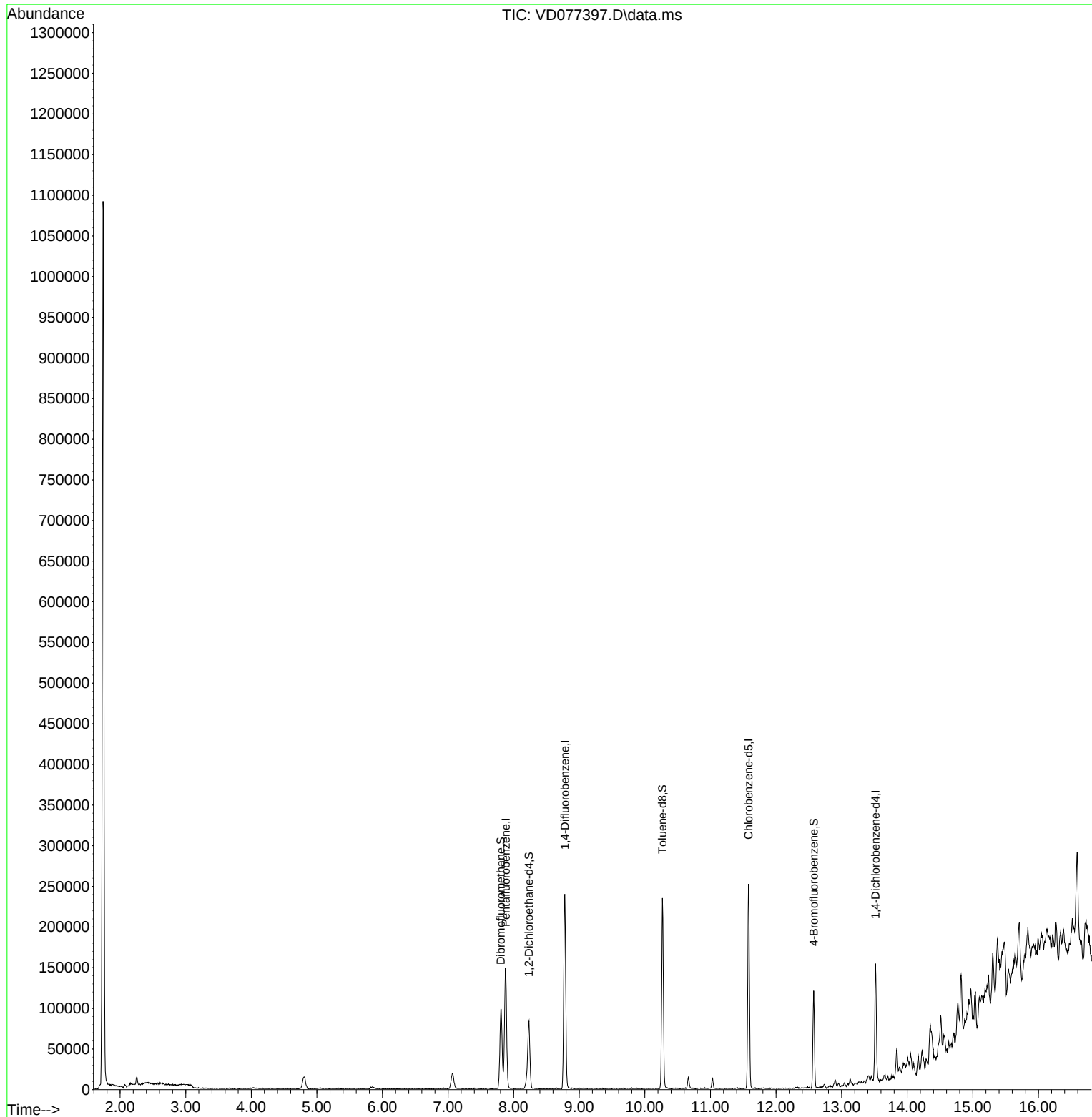
Target Compounds	Qvalue

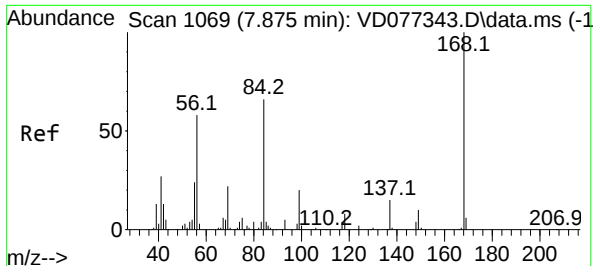
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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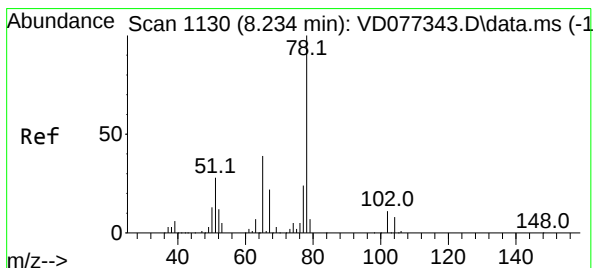
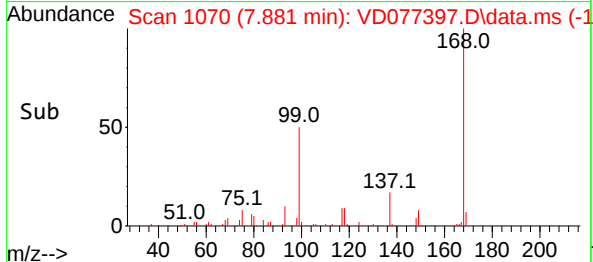
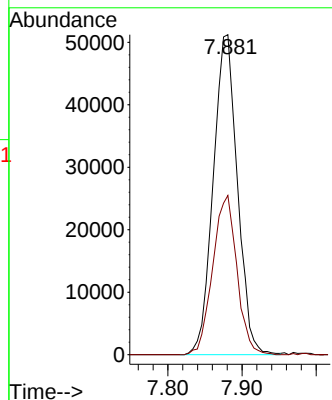
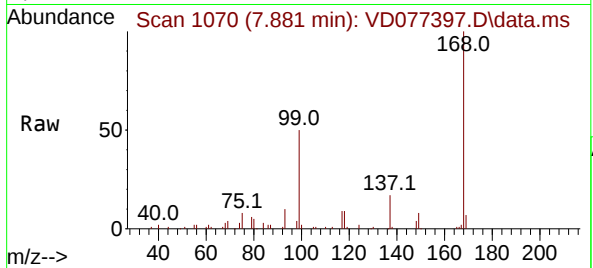




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

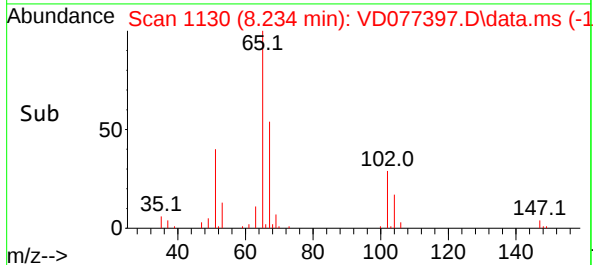
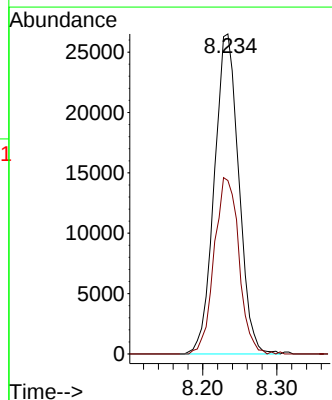
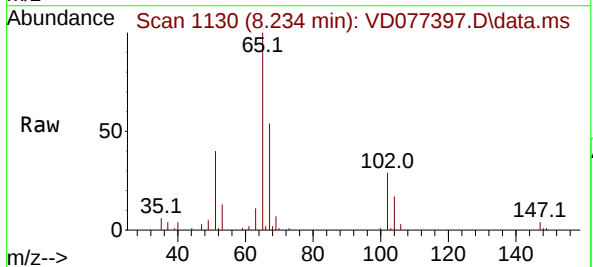
Instrument :
MSVOA_D
ClientSampleId :
RBR-200010

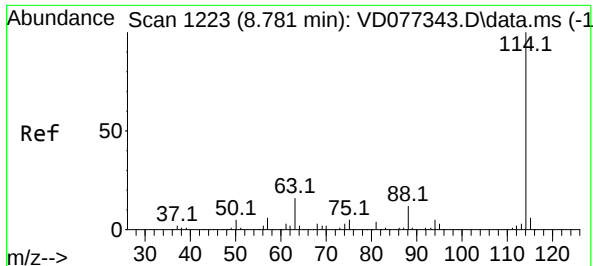
Tgt Ion:168 Resp: 116134
Ion Ratio Lower Upper
168 100
99 49.8 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 58.609 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

Tgt Ion: 65 Resp: 60778
Ion Ratio Lower Upper
65 100
67 55.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077397.D

Acq: 24 Oct 2023 16:21

Instrument :

MSVOA_D

ClientSampleId :

RBR-200010

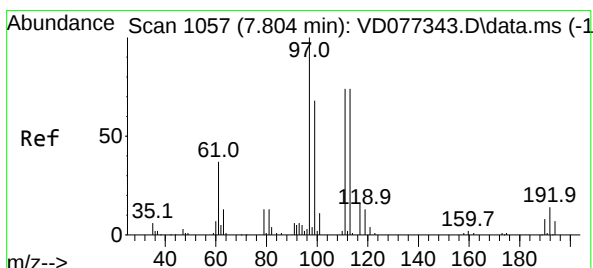
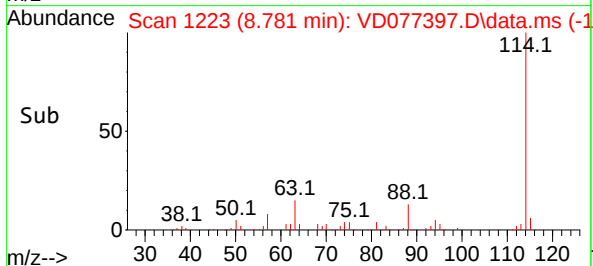
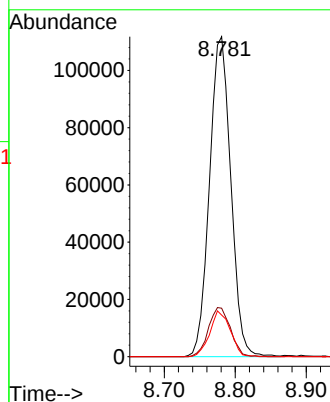
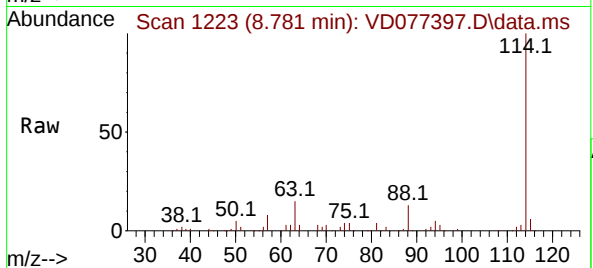
Tgt Ion:114 Resp: 232853

Ion Ratio Lower Upper

114 100

63 15.2 0.0 33.4

88 13.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.591 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077397.D

Acq: 24 Oct 2023 16:21

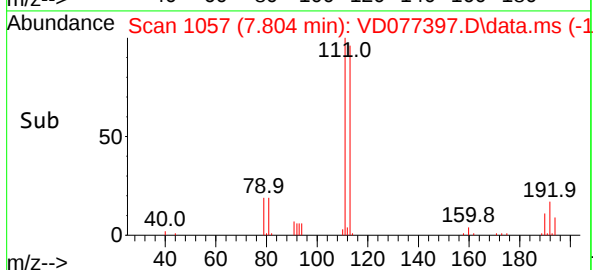
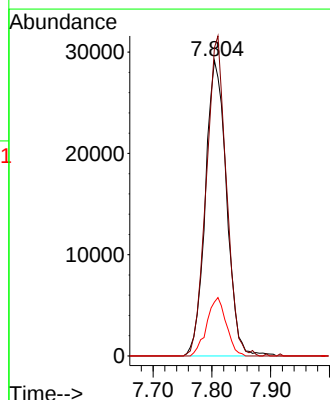
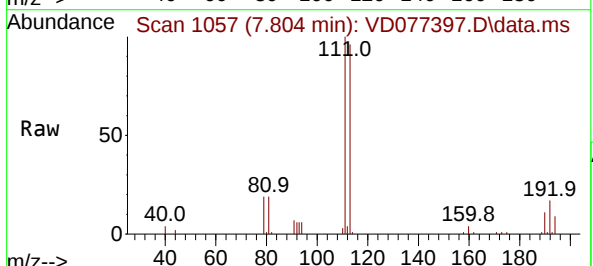
Tgt Ion:113 Resp: 72946

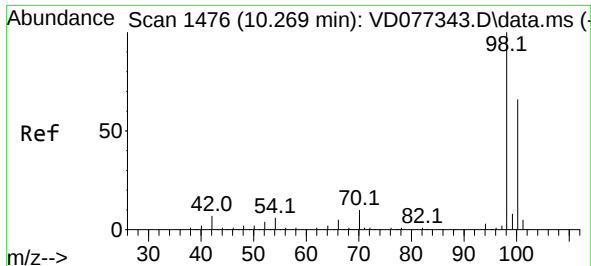
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 18.2 16.8 25.2

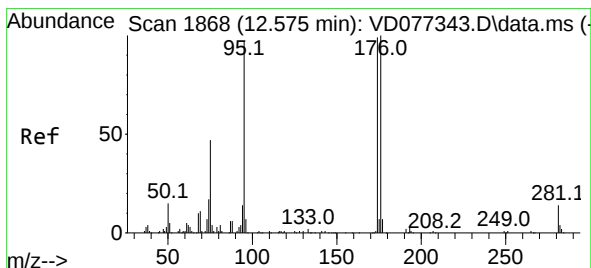
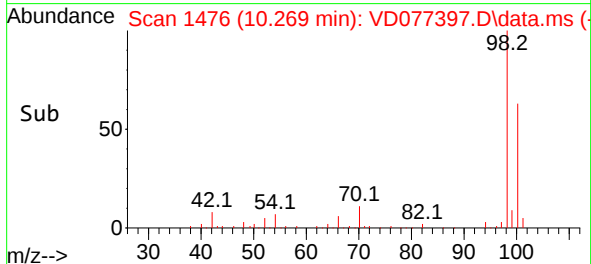
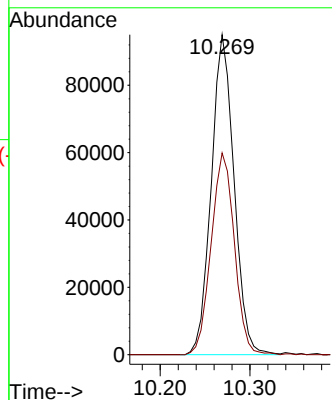
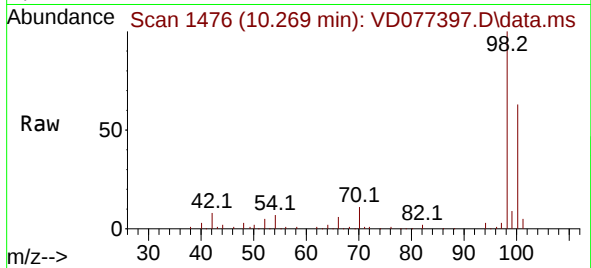




#50
Toluene-d8
Concen: 28.590 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

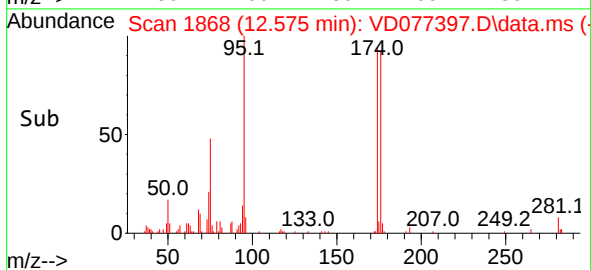
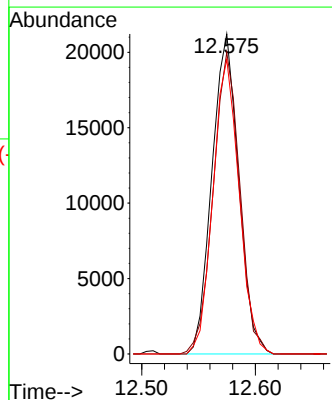
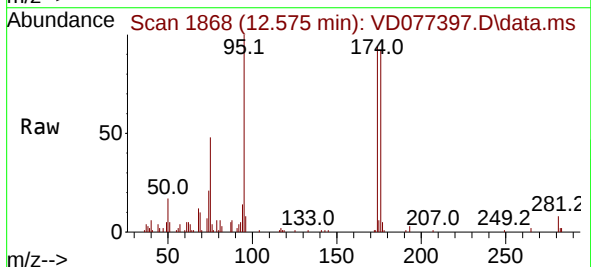
Instrument :
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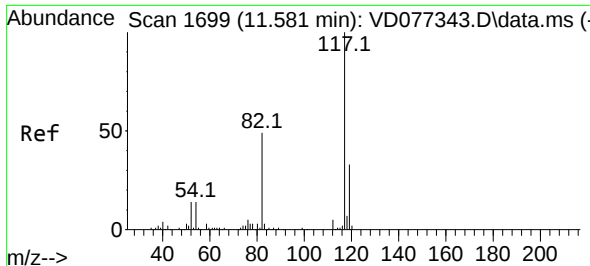
Tgt Ion: 98 Resp: 167500
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 20.533 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

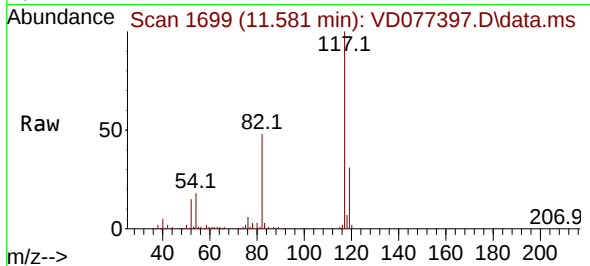
Tgt Ion: 95 Resp: 34628
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 90.3 0.0 191.8



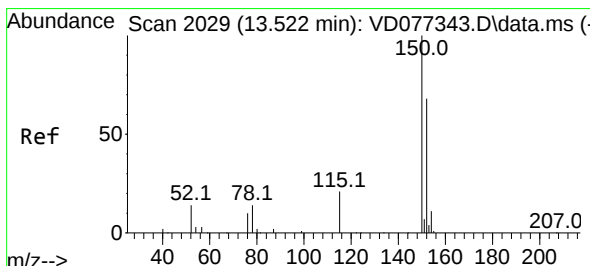
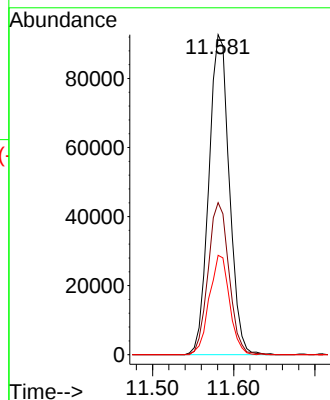
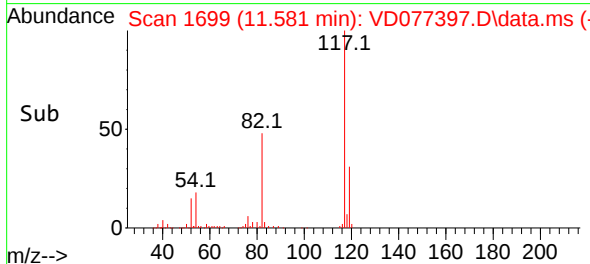


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

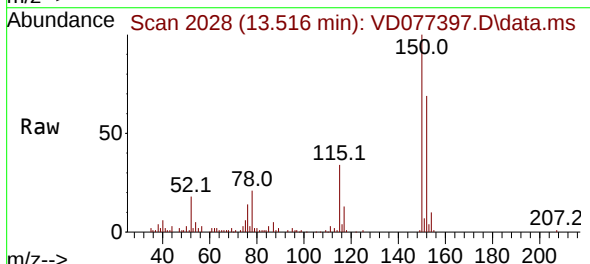
Instrument :
MSVOA_D
ClientSampleId :
RBR-200010



Tgt Ion:117 Resp: 162164
Ion Ratio Lower Upper
117 100
82 47.5 38.3 57.5
119 31.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21



Tgt Ion:152 Resp: 40800
Ion Ratio Lower Upper
152 100
115 53.2 27.1 81.3
150 157.9 0.0 353.6

