

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076221.D
 Acq On : 24 May 2023 18:39
 Operator : KP/SY
 Sample : 02868-01
 Misc : 5.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP13

Quant Time: May 25 06:03:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	68979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	167932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	185302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	76289	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77608	116.412	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	232.820%#
35) Dibromofluoromethane	7.805	113	75443	64.994	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	129.980%
50) Toluene-d8	10.269	98	163831	36.206	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	72.420%
62) 4-Bromofluorobenzene	12.575	95	68171	54.234	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.460%

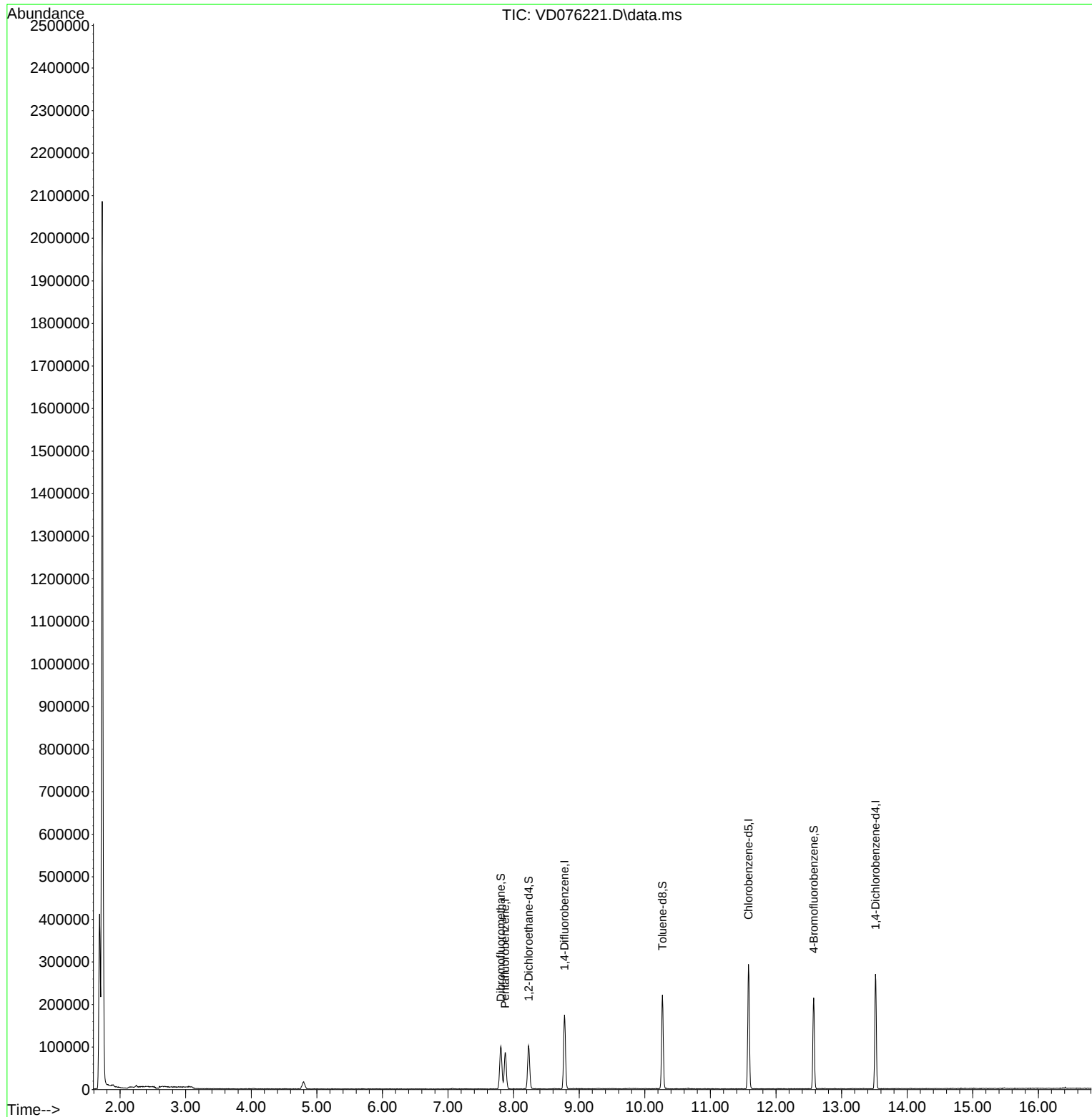
Target Compounds	Qvalue

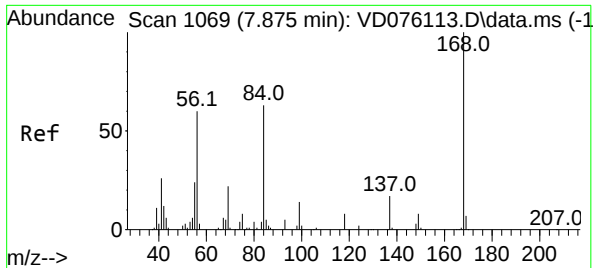
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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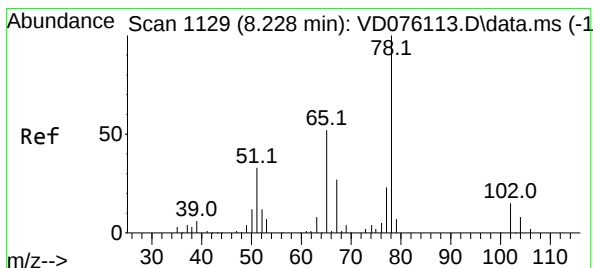
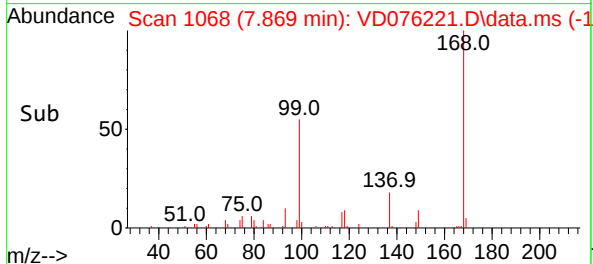
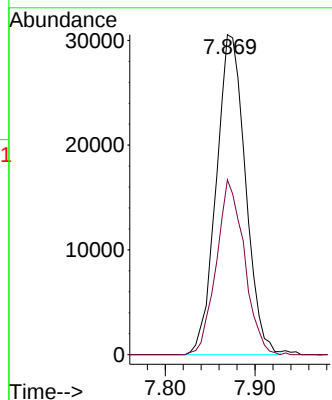
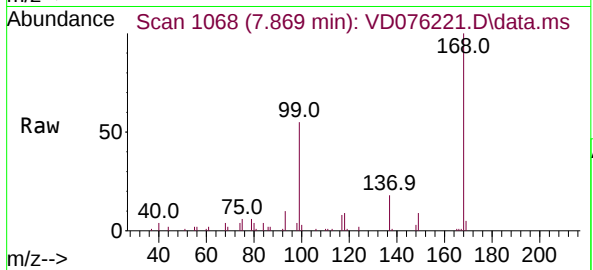




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076221.D
Acq: 24 May 2023 18:39

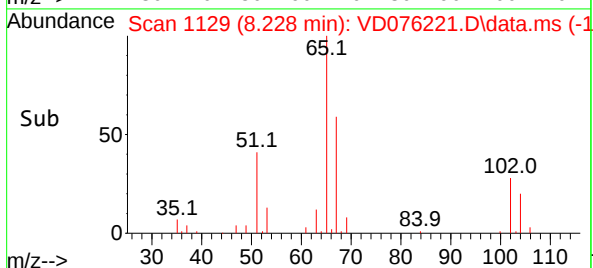
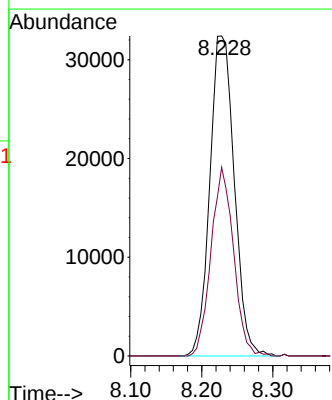
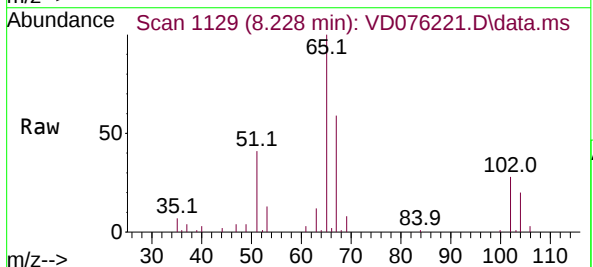
Instrument :
MSVOA_D
ClientSampleId :
TP13

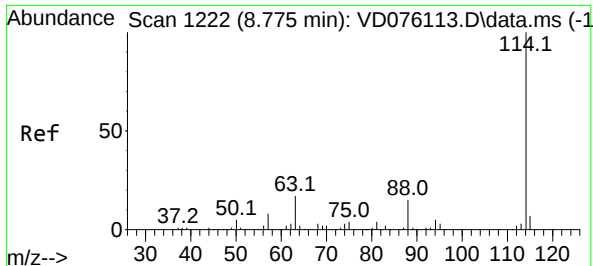
Tgt Ion:168 Resp: 68979
Ion Ratio Lower Upper
168 100
99 54.6 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 116.412 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076221.D
Acq: 24 May 2023 18:39

Tgt Ion: 65 Resp: 77608
Ion Ratio Lower Upper
65 100
67 54.2 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076221.D

Acq: 24 May 2023 18:39

Instrument :

MSVOA_D

ClientSampleId :

TP13

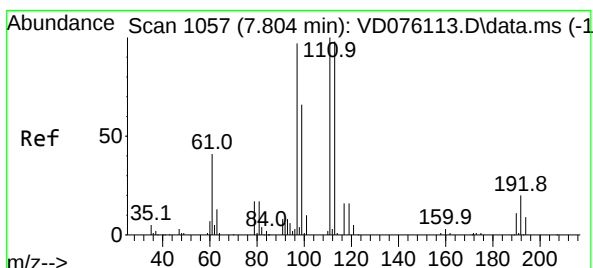
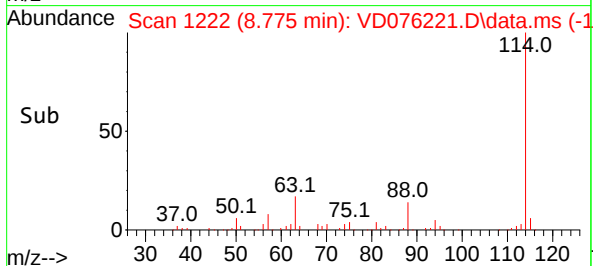
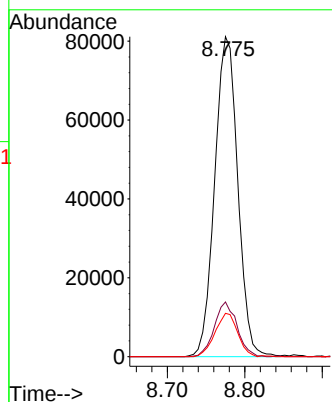
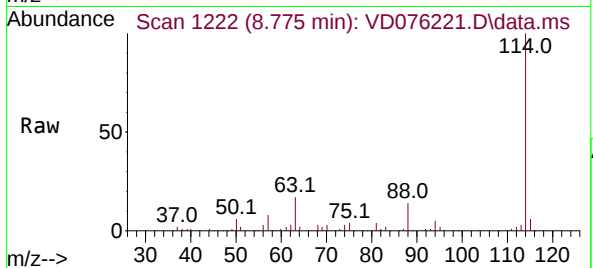
Tgt Ion:114 Resp: 167932

Ion Ratio Lower Upper

114 100

63 17.1 0.0 41.6

88 13.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 64.994 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076221.D

Acq: 24 May 2023 18:39

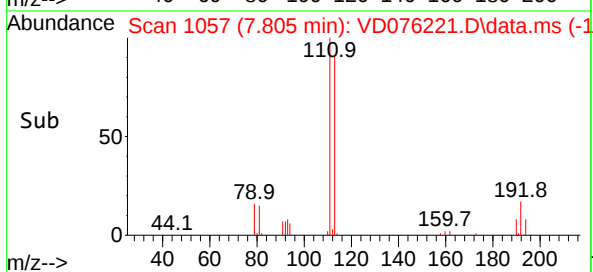
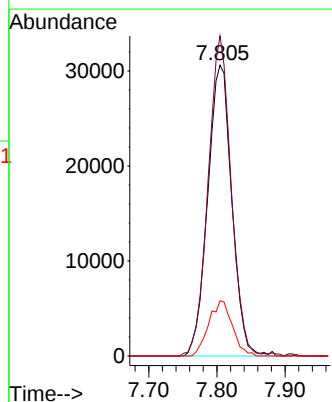
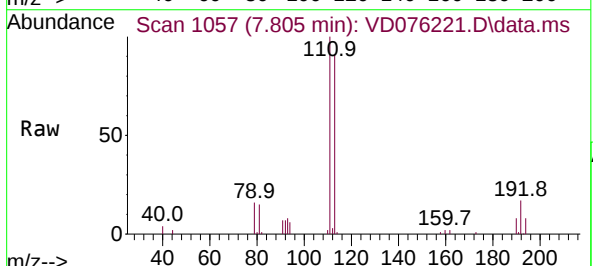
Tgt Ion:113 Resp: 75443

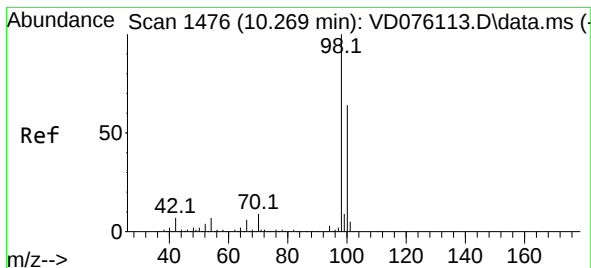
Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.0

192 18.6 15.2 22.8

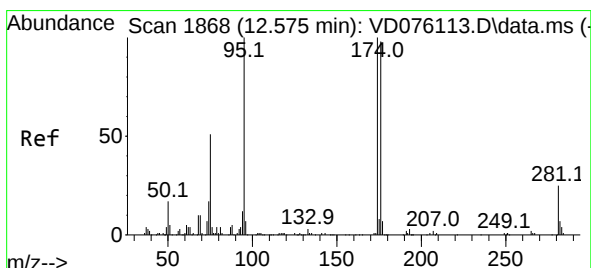
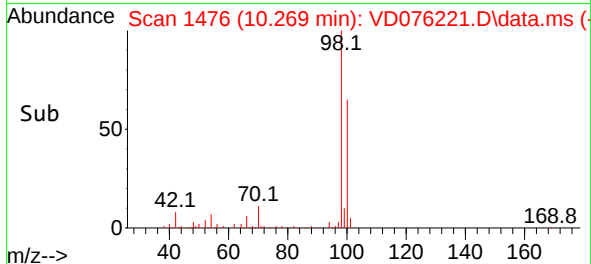
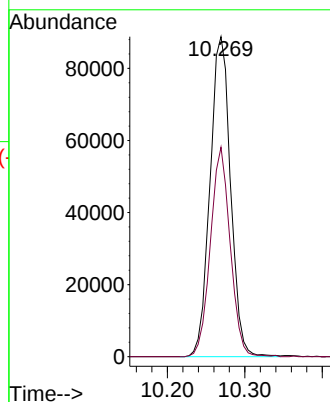
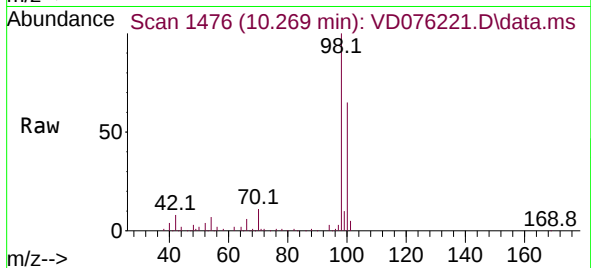




#50
Toluene-d8
Concen: 36.206 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076221.D
Acq: 24 May 2023 18:39

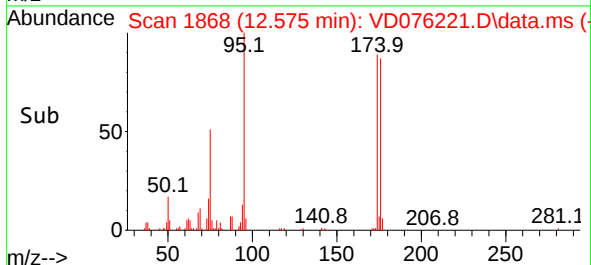
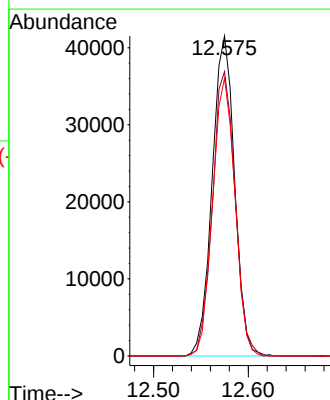
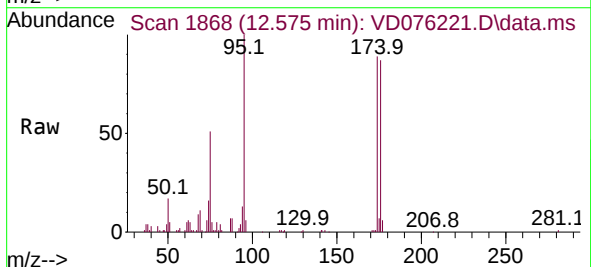
Instrument :
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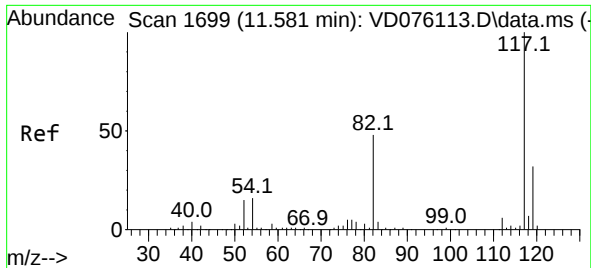
Tgt Ion: 98 Resp: 163831
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 54.234 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076221.D
Acq: 24 May 2023 18:39

Tgt Ion: 95 Resp: 68171
Ion Ratio Lower Upper
95 100
174 89.6 0.0 164.0
176 86.7 0.0 156.8

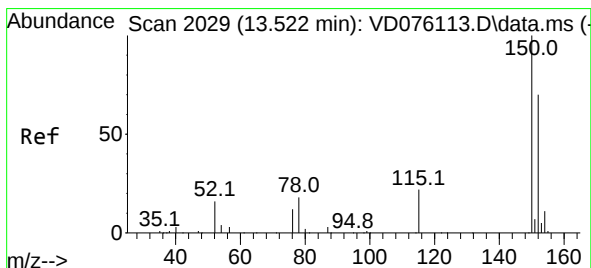
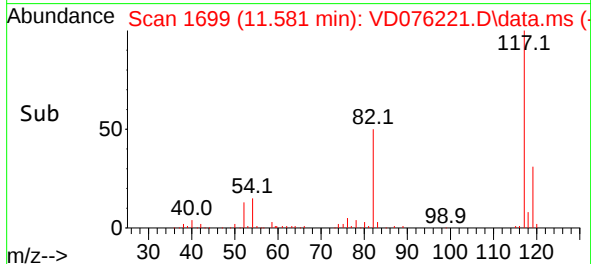
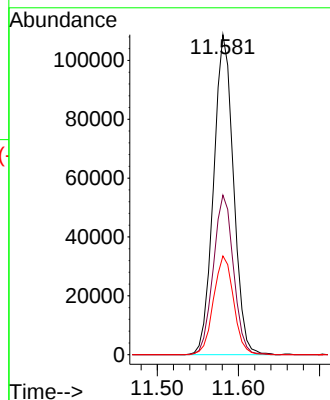
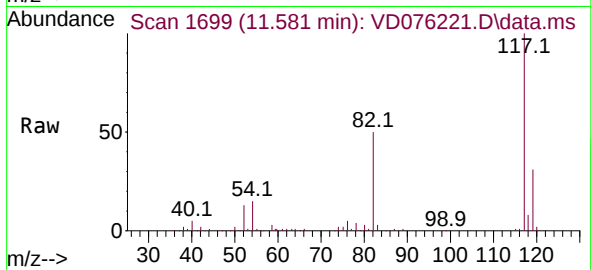




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076221.D
Acq: 24 May 2023 18:39

Instrument :
MSVOA_D
ClientSampleId :
TP13

Tgt Ion:117 Resp: 185302
Ion Ratio Lower Upper
117 100
82 49.8 44.0 66.0
119 30.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076221.D
Acq: 24 May 2023 18:39

Tgt Ion:152 Resp: 76289
Ion Ratio Lower Upper
152 100
115 55.0 30.1 90.3
150 162.2 0.0 364.8

