

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051723\
 Data File : VD076124.D
 Acq On : 17 May 2023 15:45
 Operator : KP/SY
 Sample : 02810-01
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-051623

Quant Time: May 18 05:21:30 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	7.875	168	172484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	340461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	293134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	86078	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	124083	74.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	148.860%
35) Dibromofluoromethane	7.804	113	149709	63.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	127.240%
50) Toluene-d8	10.269	98	422691	46.075	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.160%
62) 4-Bromofluorobenzene	12.575	95	107771	42.290	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.580%

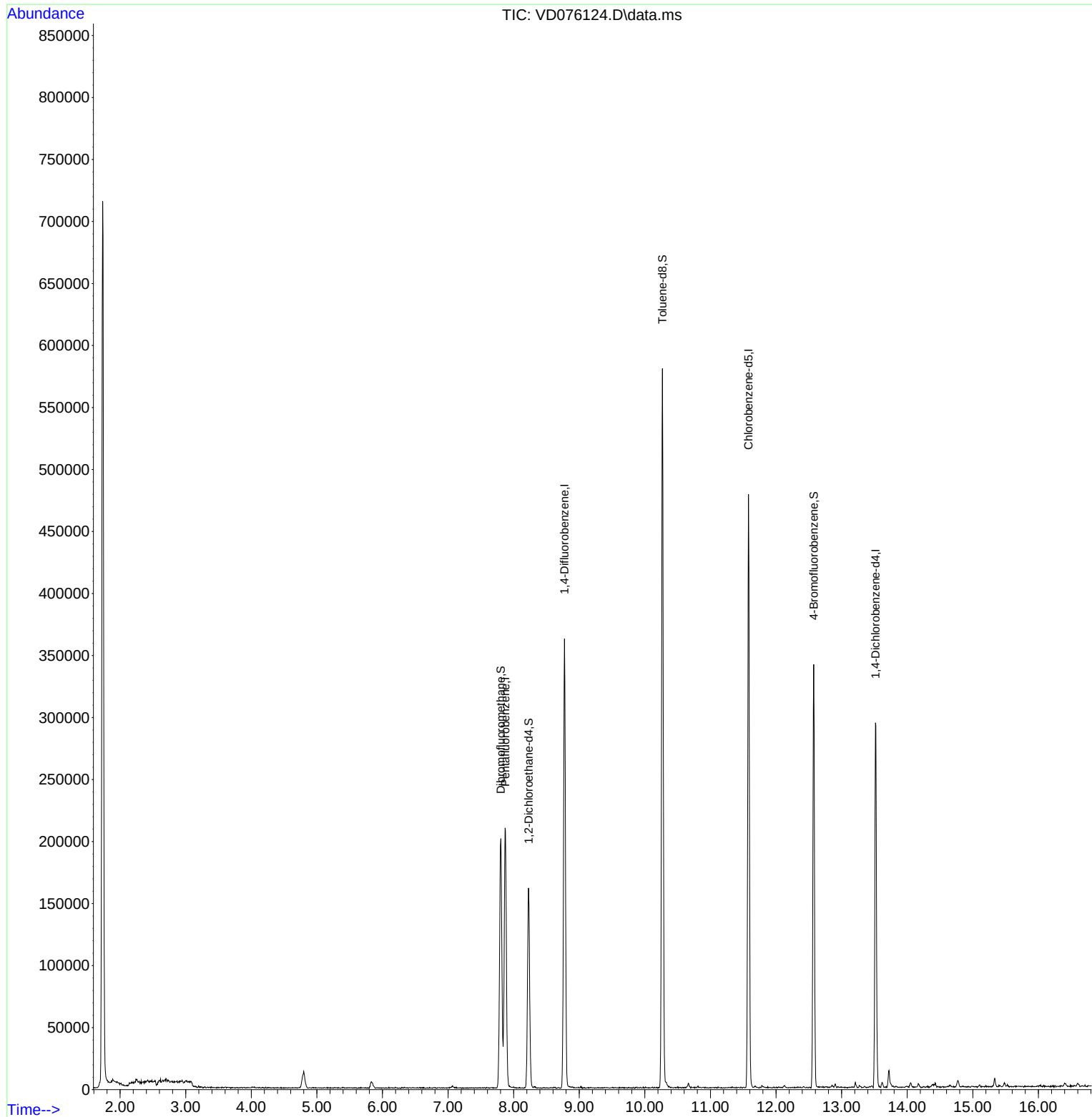
Target Compounds	Qvalue

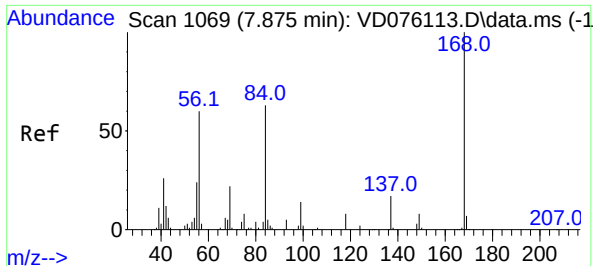
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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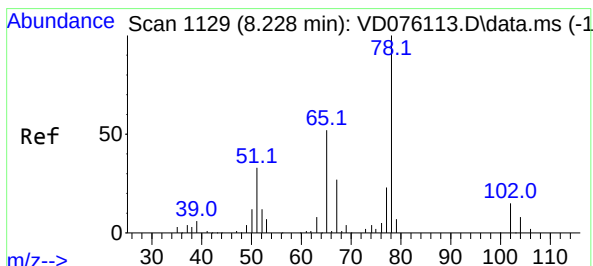
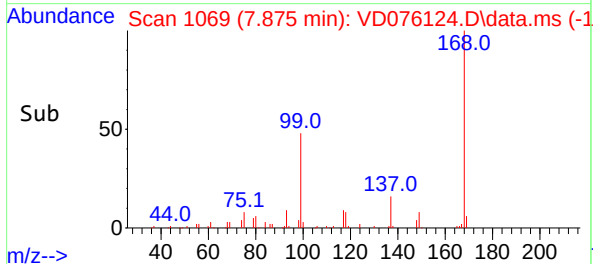
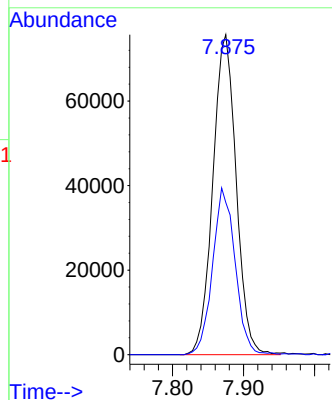
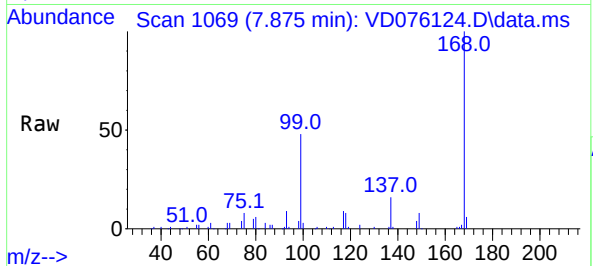




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076124.D
Acq: 17 May 2023 15:45

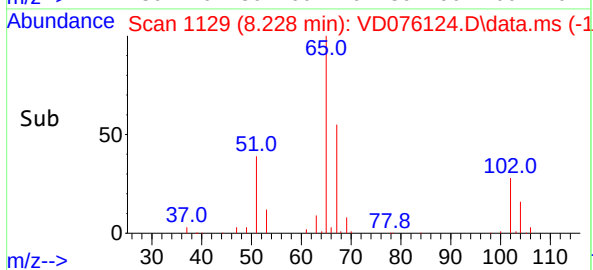
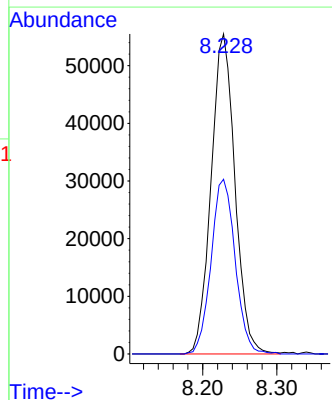
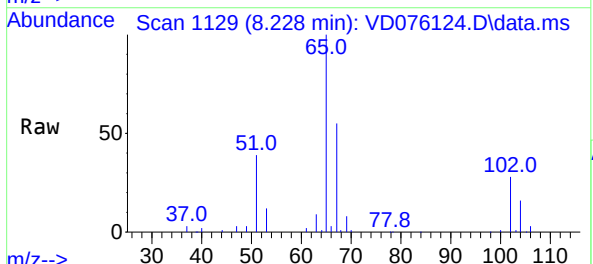
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051623

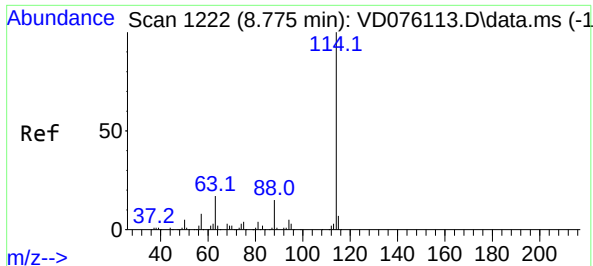
Tgt Ion:168 Resp: 172484
Ion Ratio Lower Upper
168 100
99 47.6 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 74.434 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076124.D
Acq: 17 May 2023 15:45

Tgt Ion: 65 Resp: 124083
Ion Ratio Lower Upper
65 100
67 55.1 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: VD076124.D

Acq: 17 May 2023 15:45

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051623

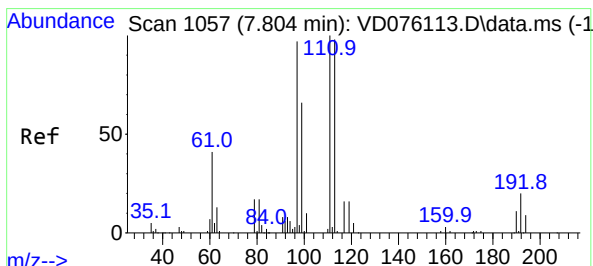
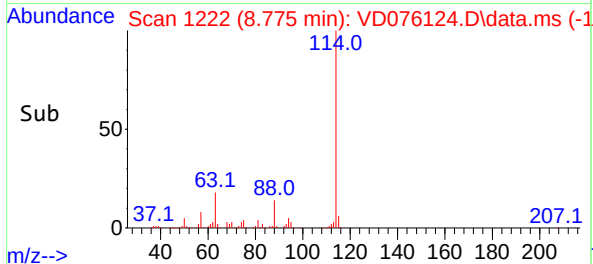
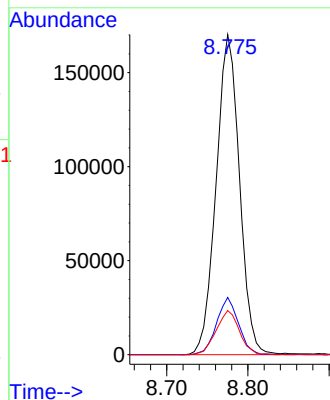
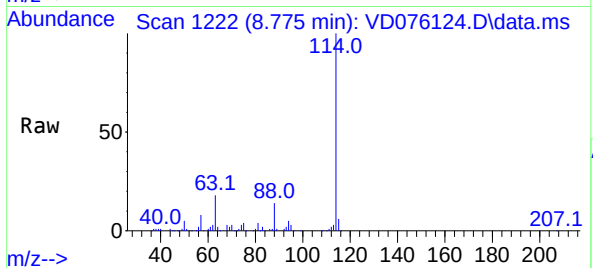
Tgt Ion:114 Resp: 340461

Ion Ratio Lower Upper

114 100

63 17.9 0.0 41.6

88 13.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 63.616 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076124.D

Acq: 17 May 2023 15:45

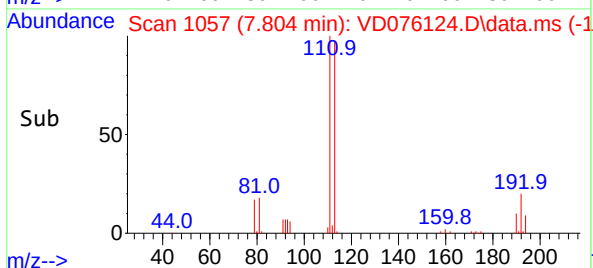
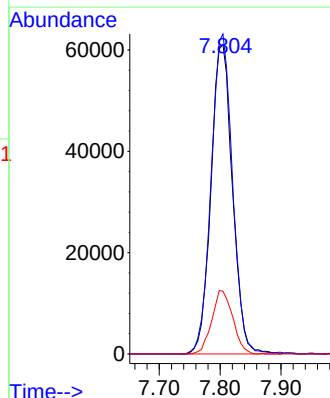
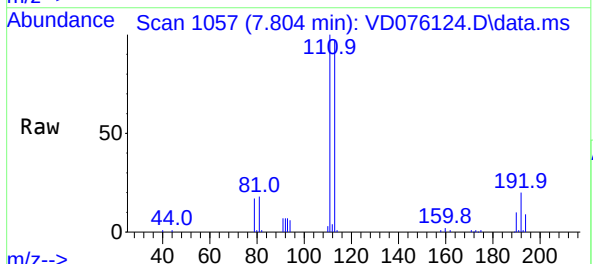
Tgt Ion:113 Resp: 149709

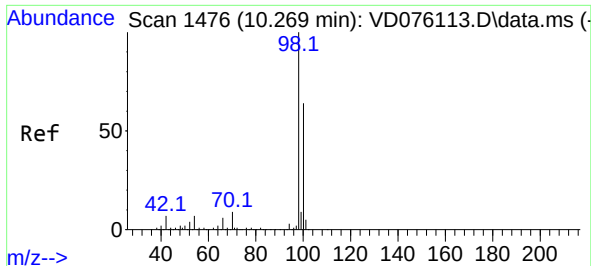
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 20.0 15.2 22.8

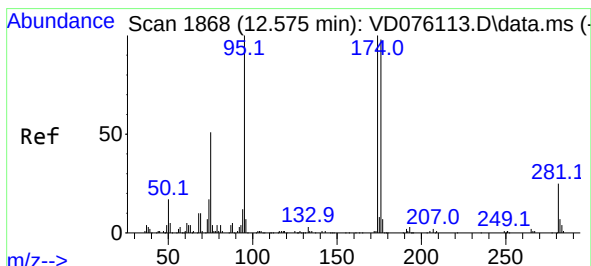
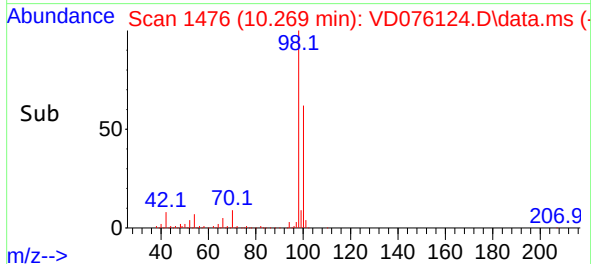
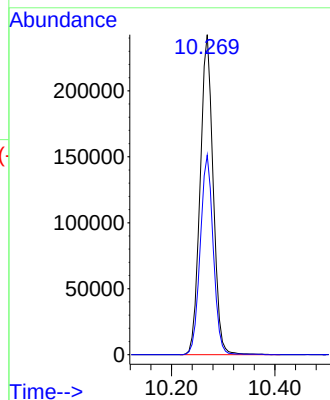
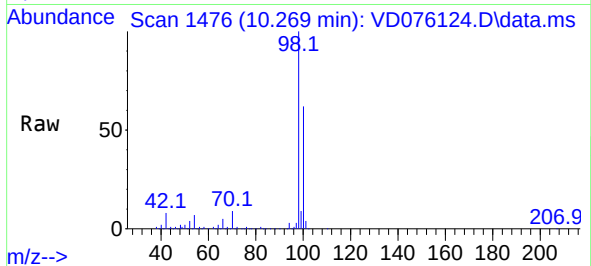




#50
Toluene-d8
Concen: 46.075 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076124.D
Acq: 17 May 2023 15:45

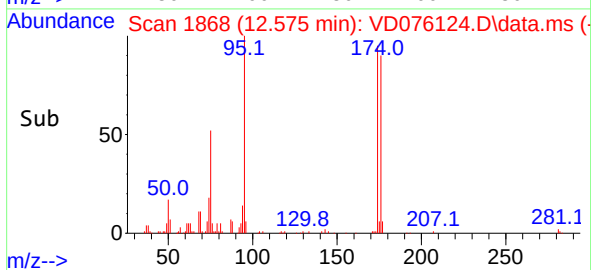
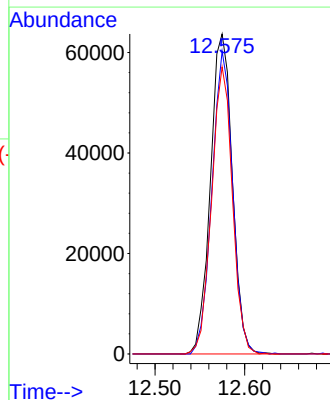
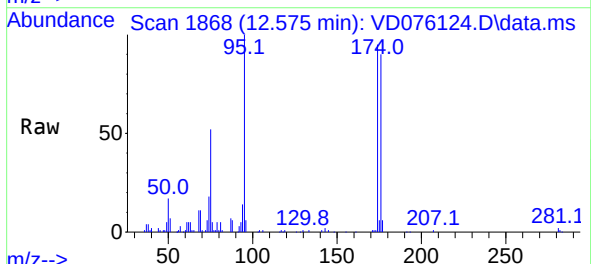
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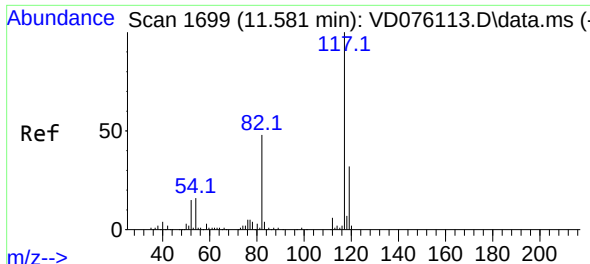
Tgt Ion: 98 Resp: 422691
Ion Ratio Lower Upper
98 100
100 62.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.290 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076124.D
Acq: 17 May 2023 15:45

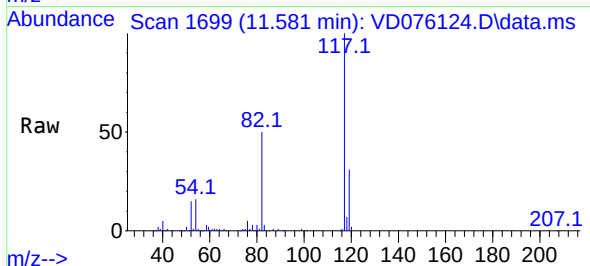
Tgt Ion: 95 Resp: 107771
Ion Ratio Lower Upper
95 100
174 89.6 0.0 164.0
176 85.1 0.0 156.8



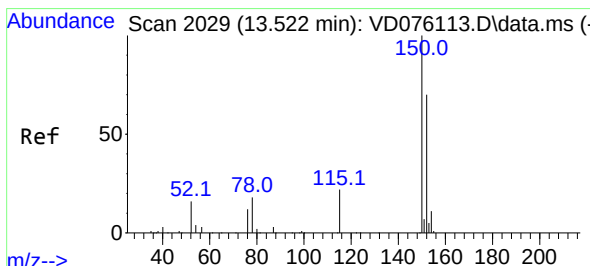
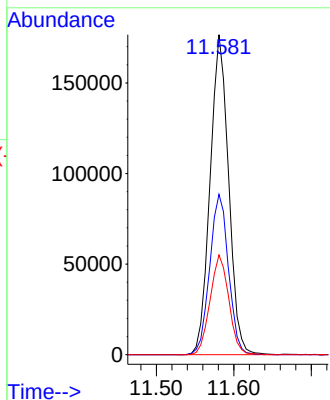
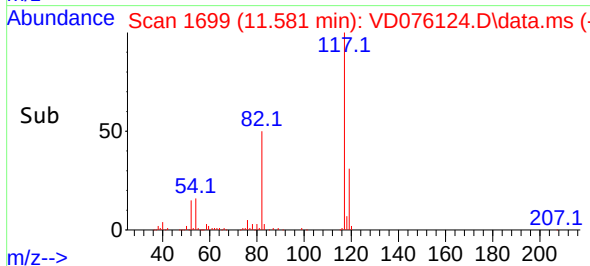


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076124.D
Acq: 17 May 2023 15:45

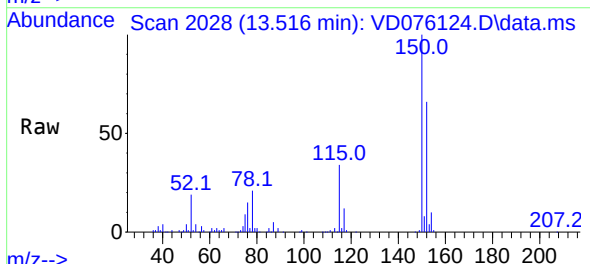
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051623



Tgt Ion:117 Resp: 293134
Ion Ratio Lower Upper
117 100
82 50.1 44.0 66.0
119 31.1 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: VD076124.D
Acq: 17 May 2023 15:45



Tgt Ion:152 Resp: 86078
Ion Ratio Lower Upper
152 100
115 55.3 30.1 90.3
150 157.3 0.0 364.8

