

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052323\
 Data File : VD076201.D
 Acq On : 23 May 2023 19:00
 Operator : KP/SY
 Sample : 02873-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-01-051923

Quant Time: May 24 06:42:58 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	157808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	320868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	295403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	114863	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81442	53.398	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.800%
35) Dibromofluoromethane	7.804	113	104509	47.121	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.240%
50) Toluene-d8	10.269	98	282354	32.657	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	65.320%
62) 4-Bromofluorobenzene	12.575	95	91765	38.208	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.420%

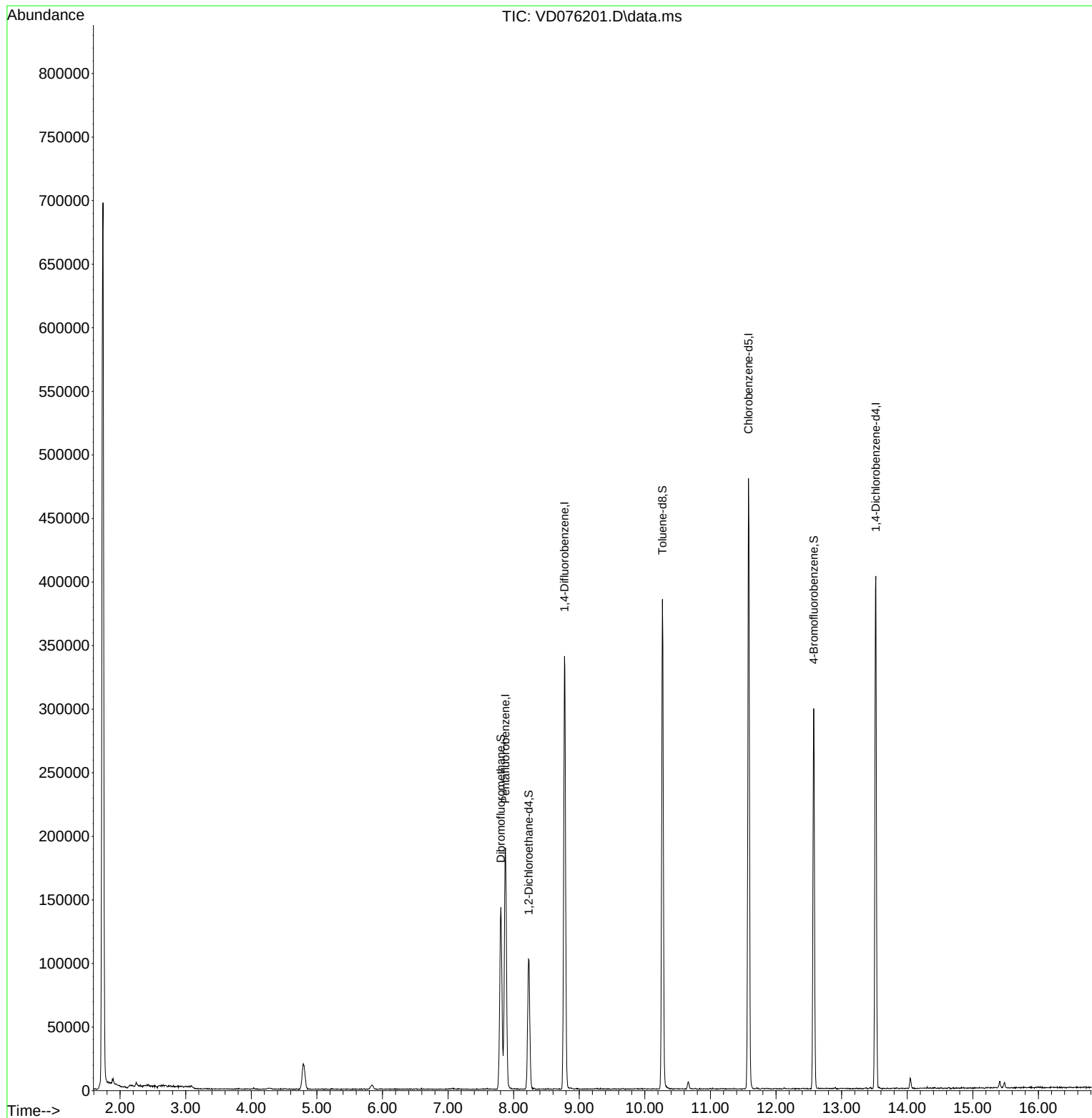
Target Compounds	Qvalue

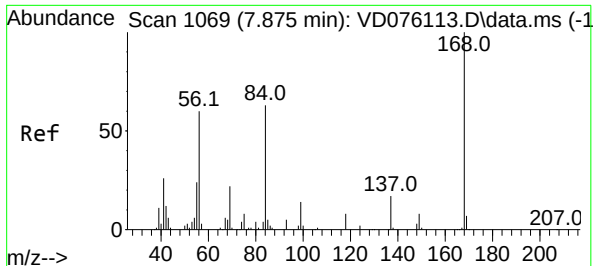
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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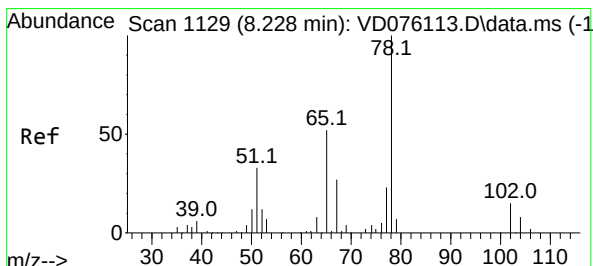
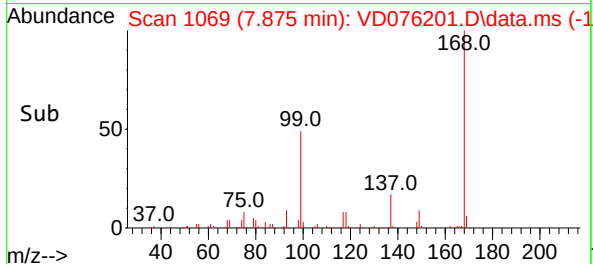
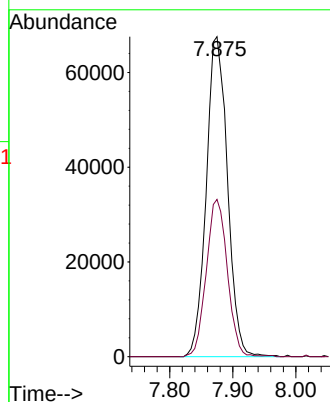
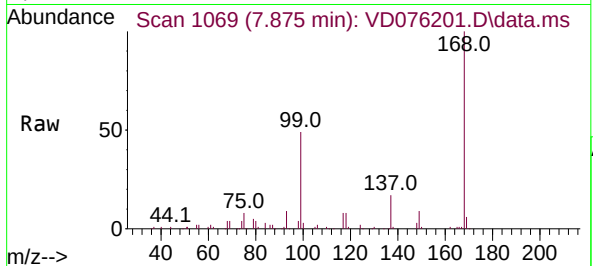




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076201.D
Acq: 23 May 2023 19:00

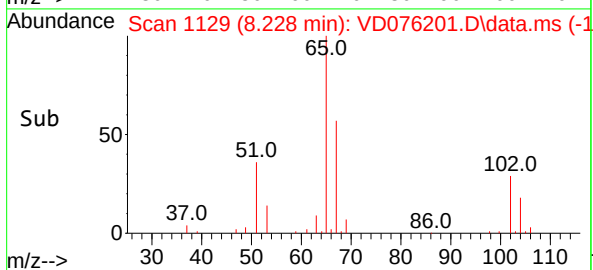
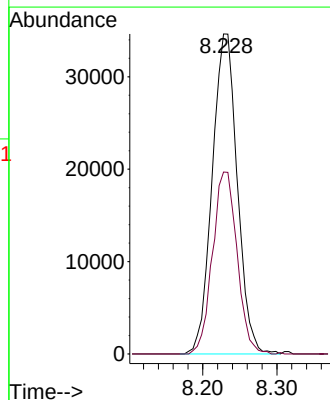
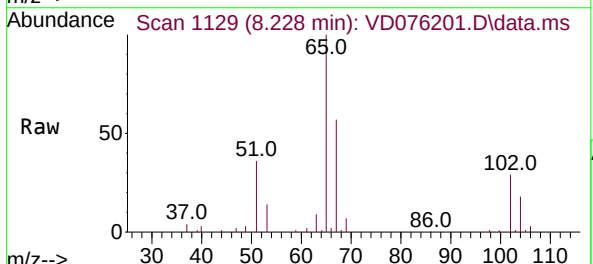
Instrument :
MSVOA_D
ClientSampleId :
PL-01-051923

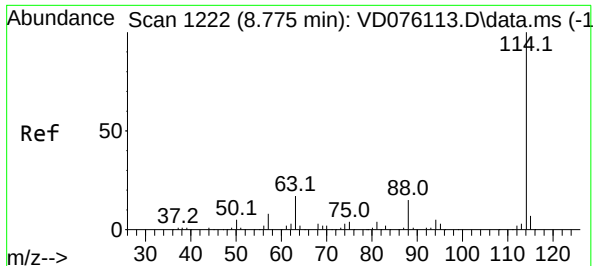
Tgt Ion:168 Resp: 157808
Ion Ratio Lower Upper
168 100
99 49.1 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 53.398 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076201.D
Acq: 23 May 2023 19:00

Tgt Ion: 65 Resp: 81442
Ion Ratio Lower Upper
65 100
67 55.7 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: VD076201.D

Acq: 23 May 2023 19:00

Instrument :

MSVOA_D

ClientSampleId :

PL-01-051923

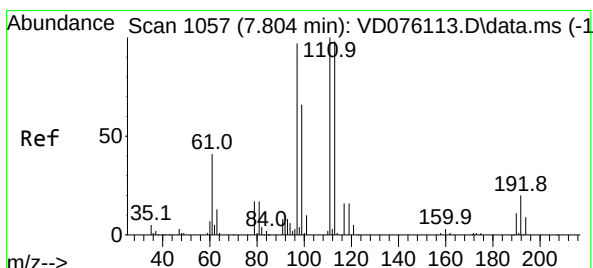
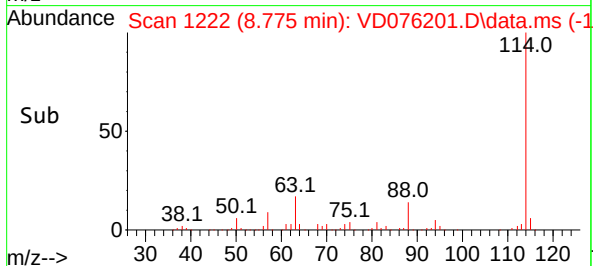
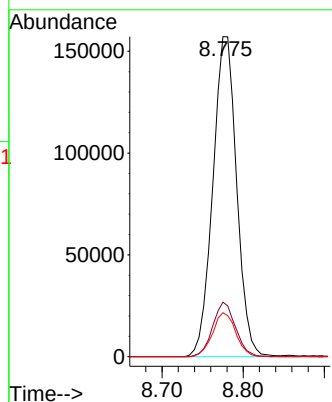
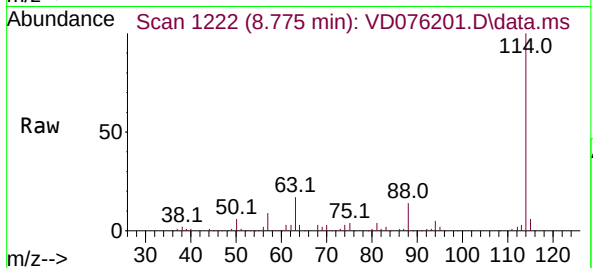
Tgt Ion:114 Resp: 320868

Ion Ratio Lower Upper

114 100

63 17.1 0.0 41.6

88 13.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.121 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076201.D

Acq: 23 May 2023 19:00

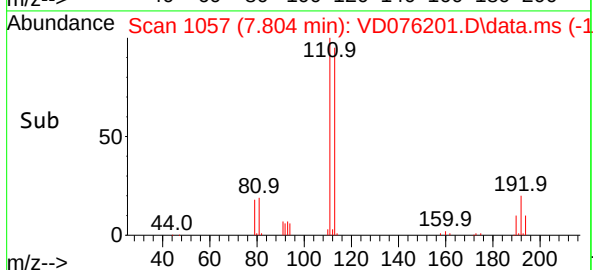
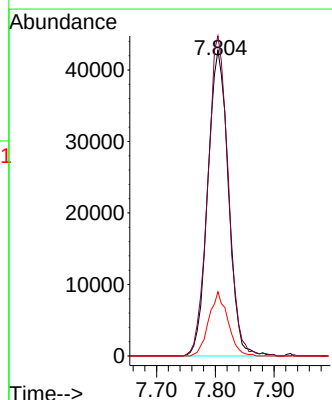
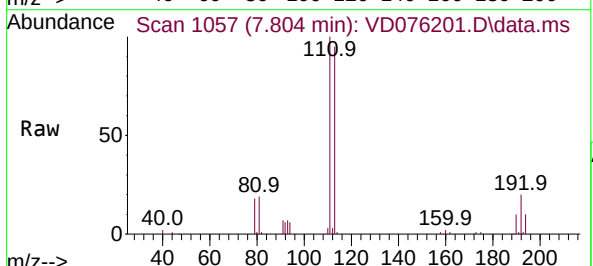
Tgt Ion:113 Resp: 104509

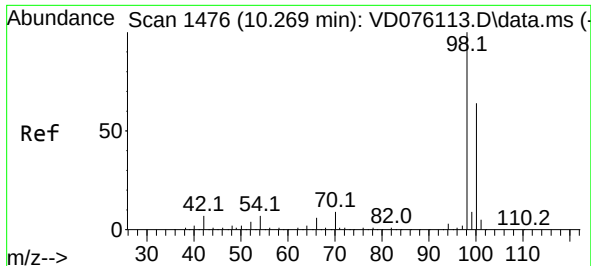
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 19.4 15.2 22.8

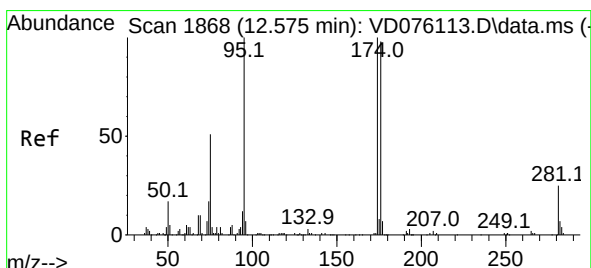
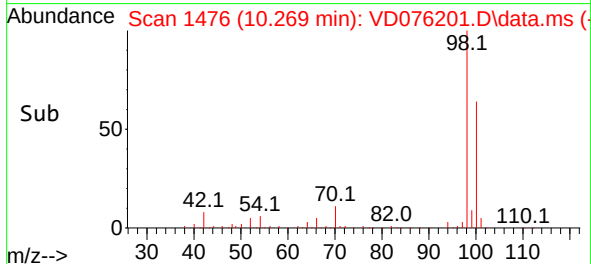
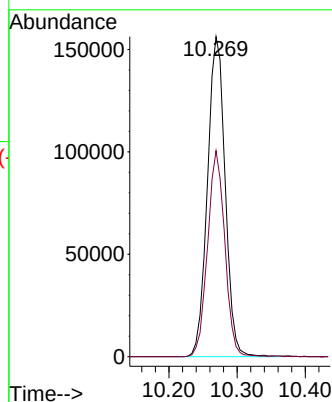
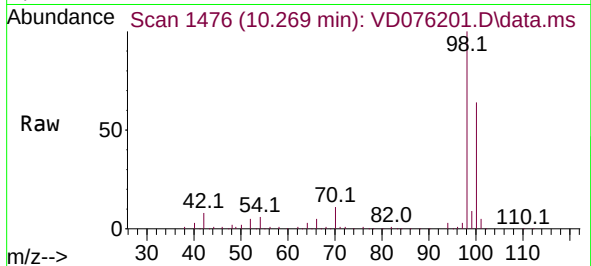




#50
Toluene-d8
Concen: 32.657 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076201.D
Acq: 23 May 2023 19:00

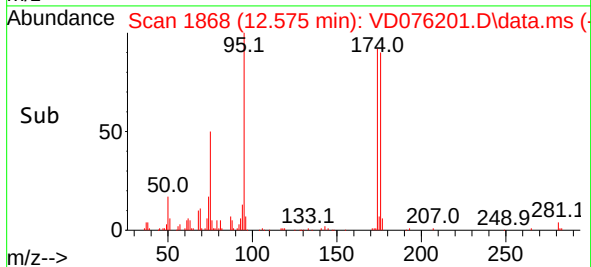
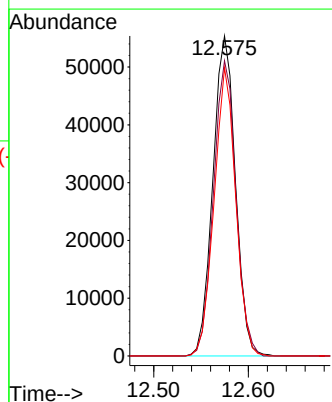
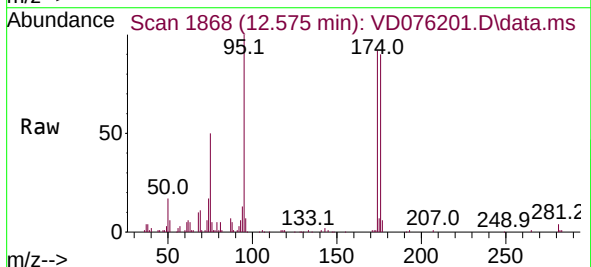
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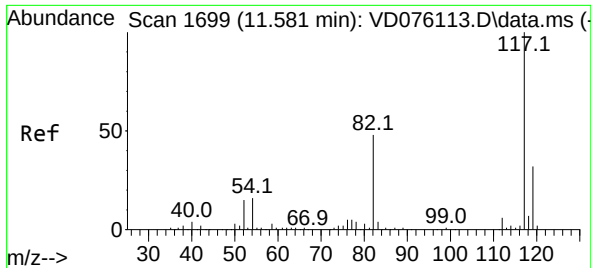
Tgt Ion: 98 Resp: 282354
Ion Ratio Lower Upper
98 100
100 62.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 38.208 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076201.D
Acq: 23 May 2023 19:00

Tgt Ion: 95 Resp: 91765
Ion Ratio Lower Upper
95 100
174 91.8 0.0 164.0
176 86.3 0.0 156.8

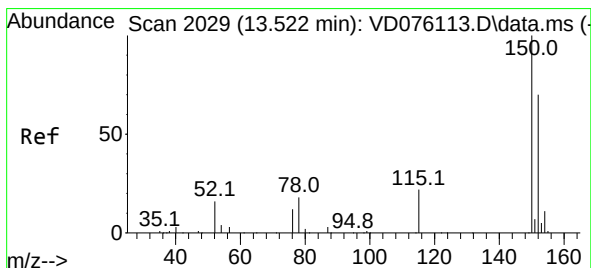
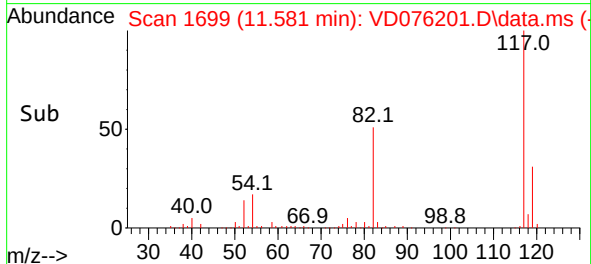
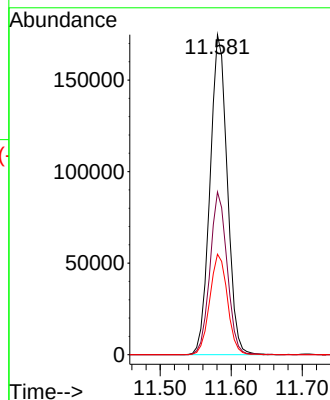
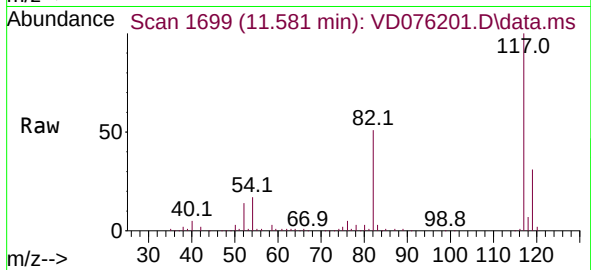




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076201.D
Acq: 23 May 2023 19:00

Instrument :
MSVOA_D
ClientSampleId :
PL-01-051923

Tgt Ion:117 Resp: 295403
Ion Ratio Lower Upper
117 100
82 50.8 44.0 66.0
119 31.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076201.D
Acq: 23 May 2023 19:00

Tgt Ion:152 Resp: 114863
Ion Ratio Lower Upper
152 100
115 54.7 30.1 90.3
150 158.0 0.0 364.8

