

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076291.D
 Acq On : 31 May 2023 18:22
 Operator : KP/SY
 Sample : 02976-04
 Misc : 6.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Jun 01 01:43:59 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	208294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	424547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	405491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	178705	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79177	39.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.660%
35) Dibromofluoromethane	7.799	113	112496	38.335	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.680%
50) Toluene-d8	10.269	98	284314	24.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	49.700%#
62) 4-Bromofluorobenzene	12.575	95	108759	34.225	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.460%

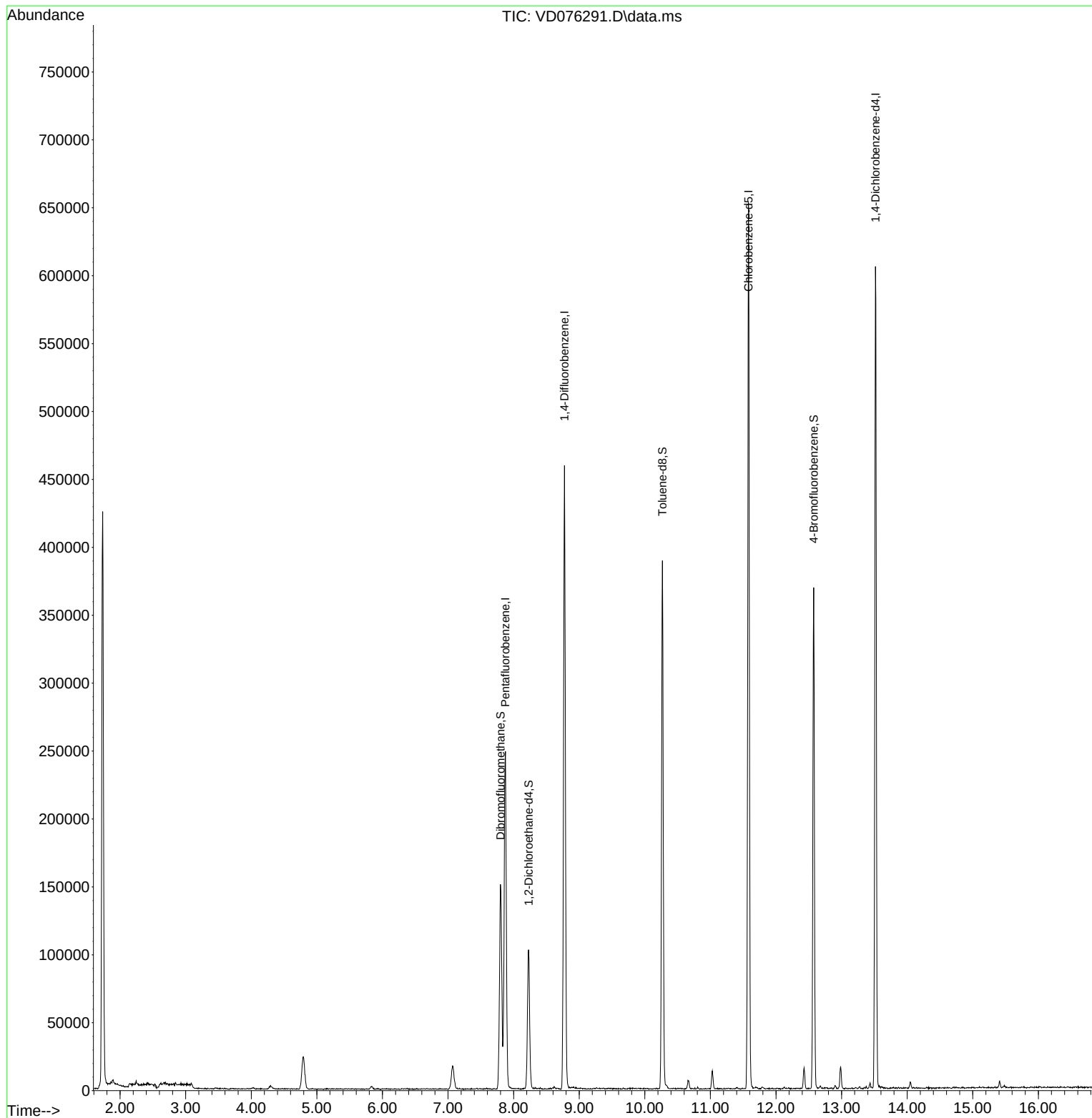
Target Compounds	Qvalue

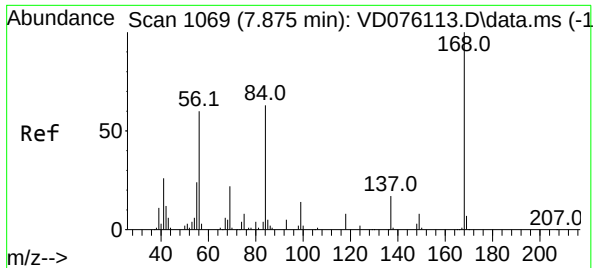
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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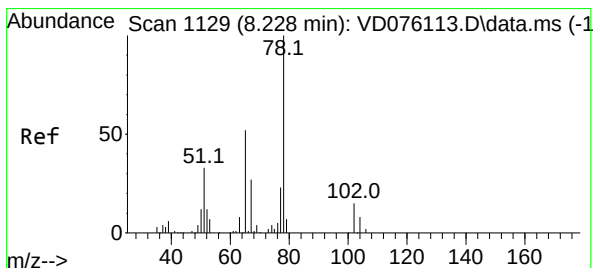
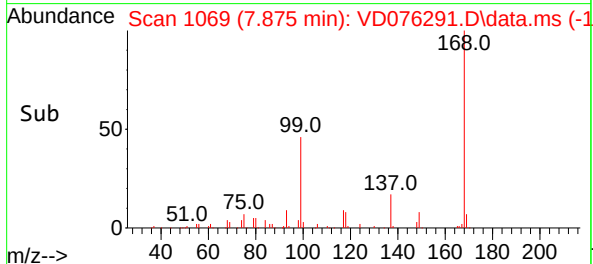
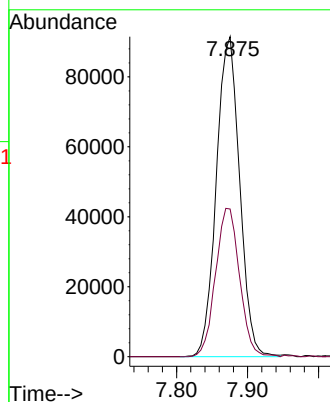
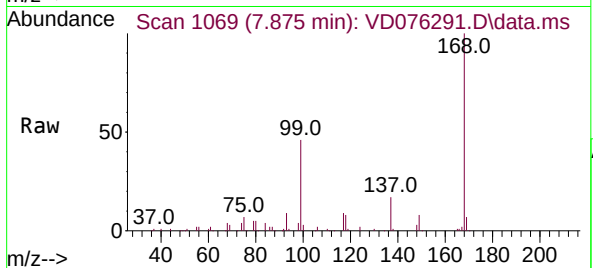




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076291.D
Acq: 31 May 2023 18:22

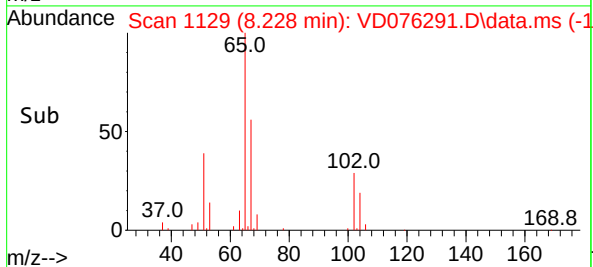
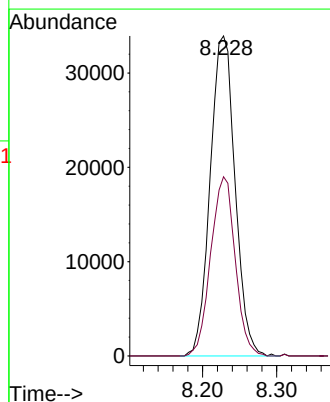
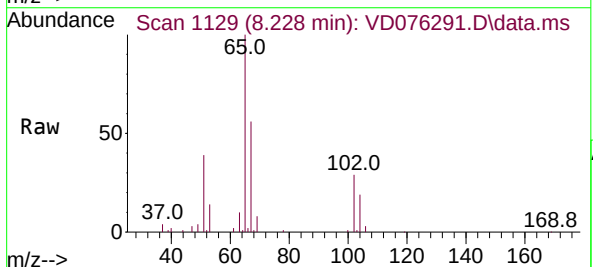
Instrument :
MSVOA_D
ClientSampleId :
TP-2

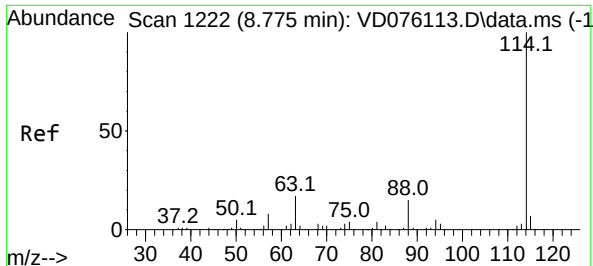
Tgt Ion:168 Resp: 208294
Ion Ratio Lower Upper
168 100
99 46.2 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 39.331 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076291.D
Acq: 31 May 2023 18:22

Tgt Ion: 65 Resp: 79177
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# 11

Delta R.T. 0.000 min

Lab File: VD076291.D

Acq: 31 May 2023 18:22

Instrument :

MSVOA_D

ClientSampleId :

TP-2

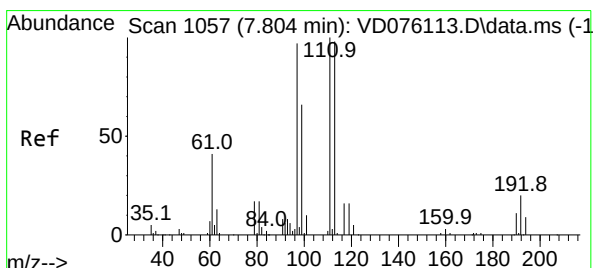
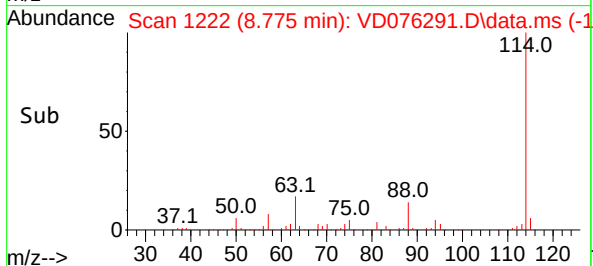
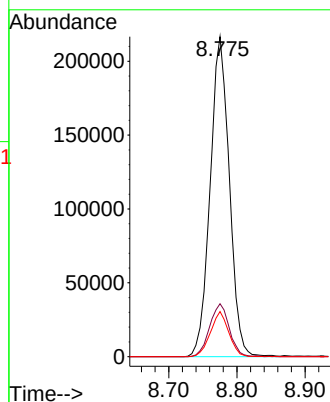
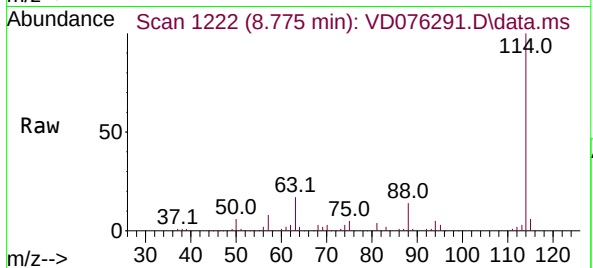
Tgt Ion:114 Resp: 424547

Ion Ratio Lower Upper

114 100

63 16.6 0.0 41.6

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 38.335 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076291.D

Acq: 31 May 2023 18:22

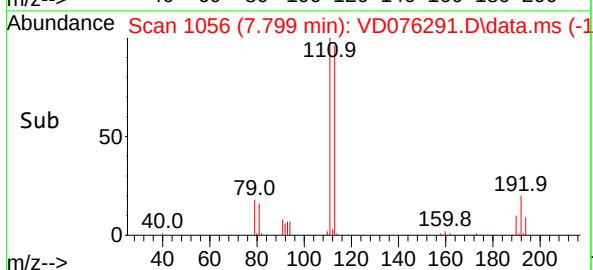
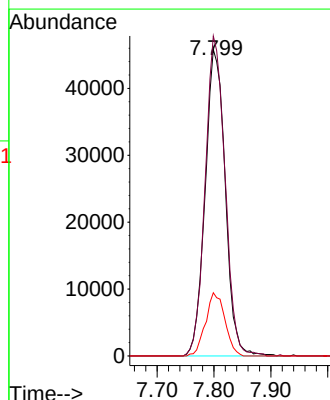
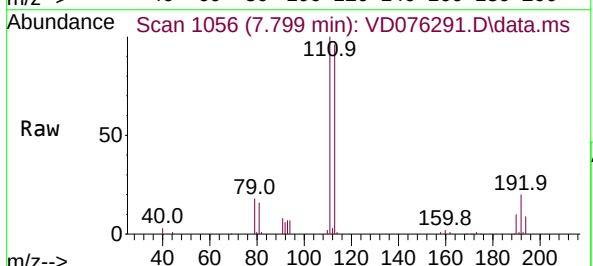
Tgt Ion:113 Resp: 112496

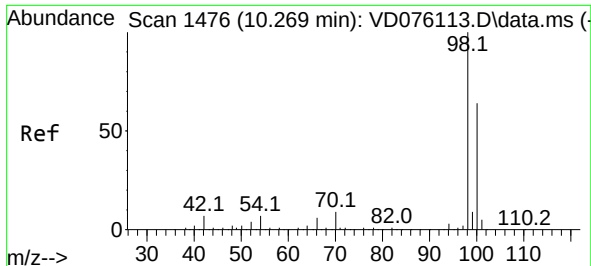
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 19.9 15.2 22.8

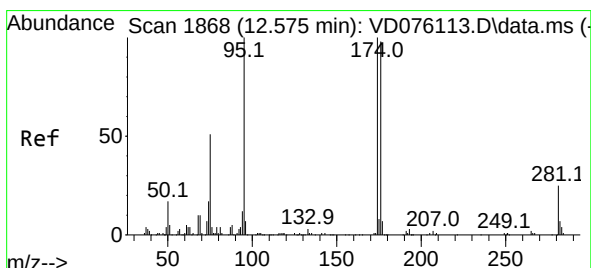
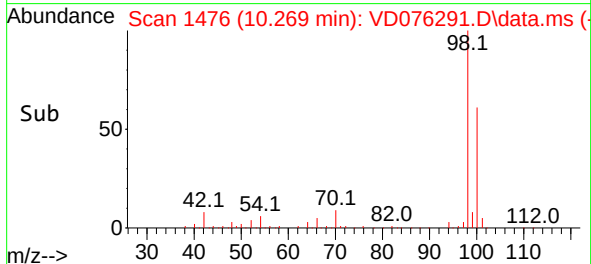
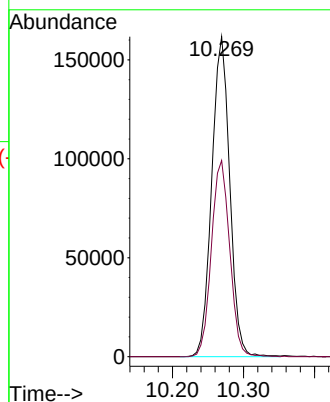
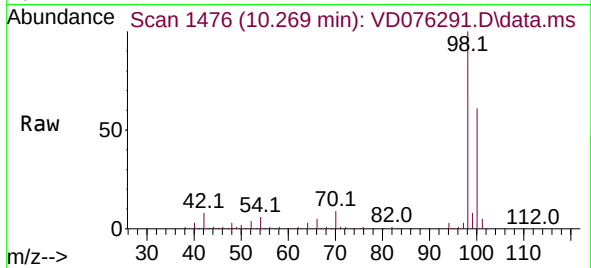




#50
Toluene-d8
Concen: 24.853 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076291.D
Acq: 31 May 2023 18:22

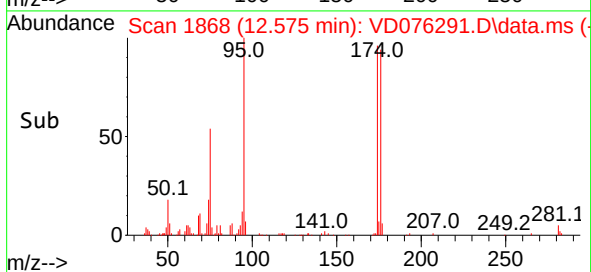
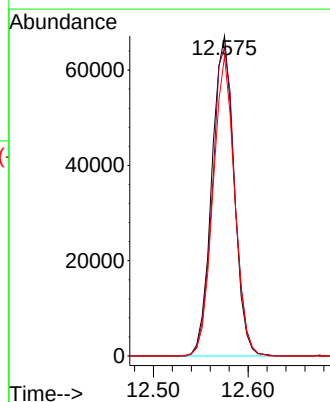
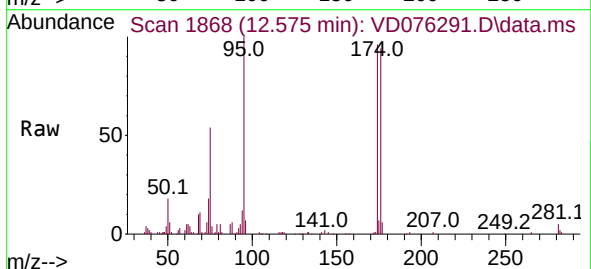
Instrument :
MSVOA_D
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TP-2

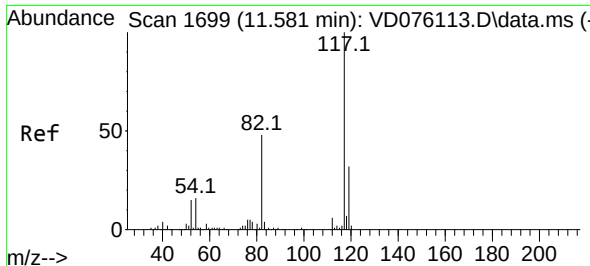
Tgt Ion: 98 Resp: 284314
Ion Ratio Lower Upper
98 100
100 62.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 34.225 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076291.D
Acq: 31 May 2023 18:22

Tgt Ion: 95 Resp: 108759
Ion Ratio Lower Upper
95 100
174 97.8 0.0 164.0
176 91.5 0.0 156.8

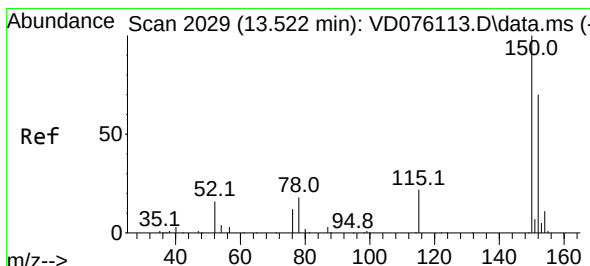
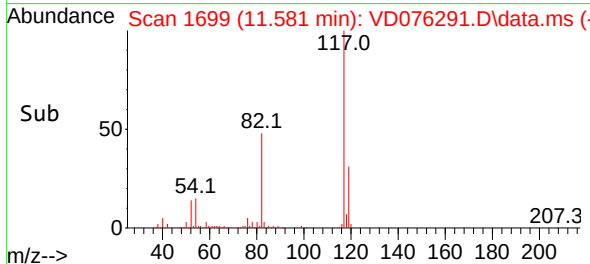
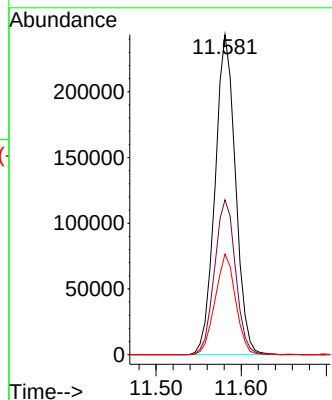
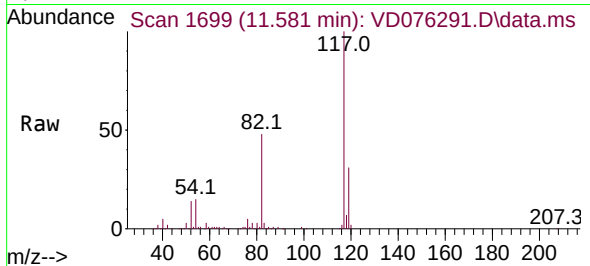




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076291.D
Acq: 31 May 2023 18:22

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Tgt Ion:117 Resp: 405491
Ion Ratio Lower Upper
117 100
82 48.4 44.0 66.0
119 31.4 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: VD076291.D
Acq: 31 May 2023 18:22

Tgt Ion:152 Resp: 178705
Ion Ratio Lower Upper
152 100
115 51.5 30.1 90.3
150 154.3 0.0 364.8

