

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076290.D
 Acq On : 31 May 2023 17:51
 Operator : KP/SY
 Sample : 02976-01
 Misc : 6.42G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Jun 01 01:43:50 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	22594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	51210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	57411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	26020	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	18117	82.966	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	165.940%#
35) Dibromofluoromethane	7.799	113	18621	52.606	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.220%
50) Toluene-d8	10.263	98	34489	24.994	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	49.980%#
62) 4-Bromofluorobenzene	12.575	95	16322	42.582	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.160%

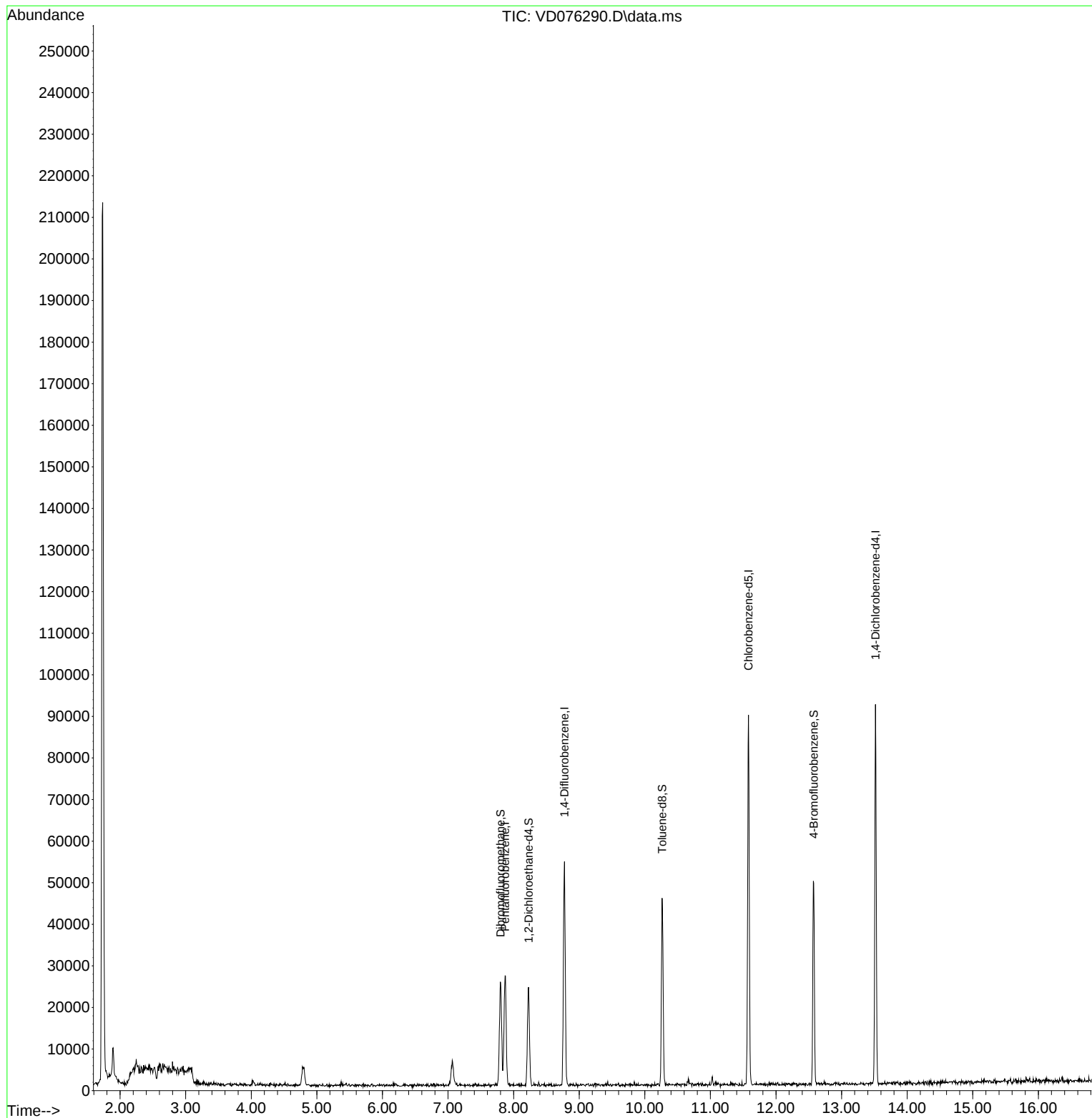
Target Compounds	Qvalue

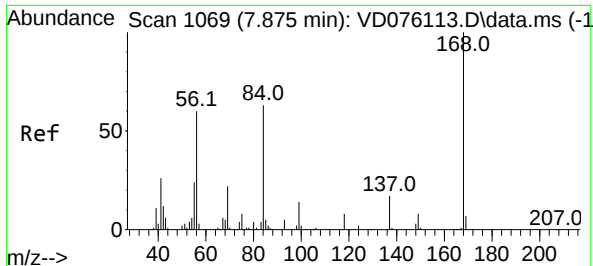
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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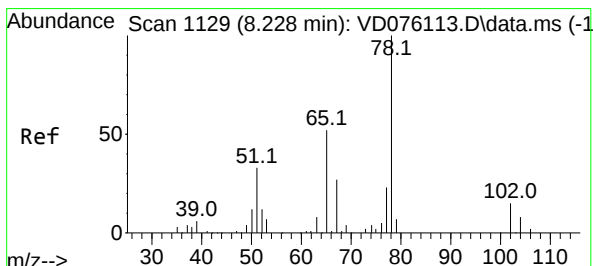
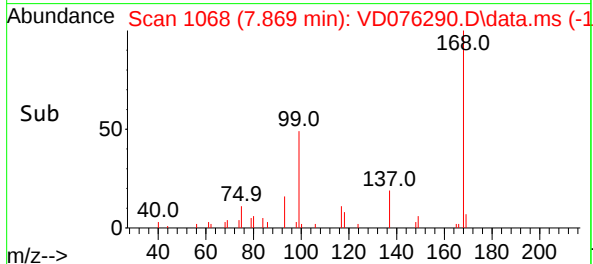
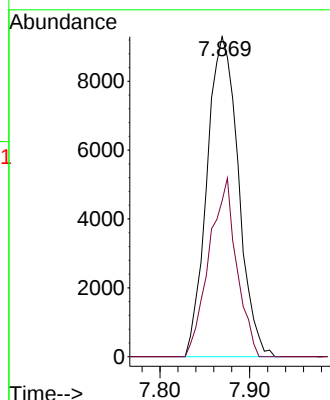
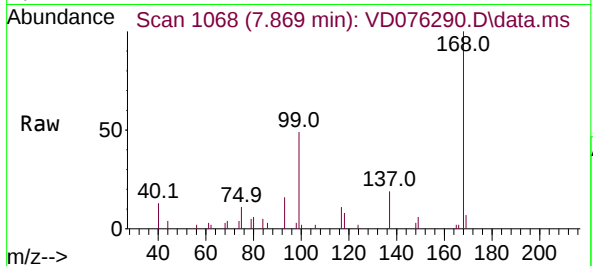




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076290.D
Acq: 31 May 2023 17:51

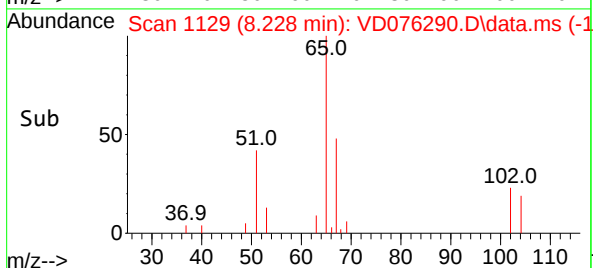
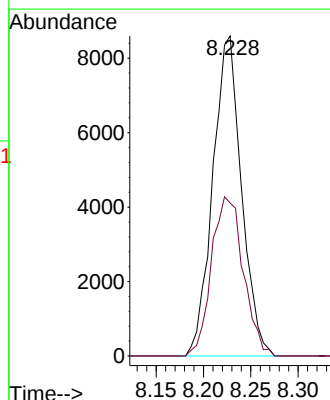
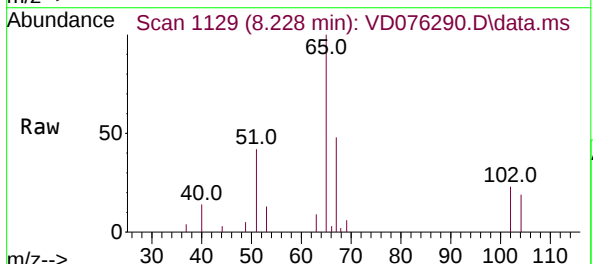
Instrument :
MSVOA_D
ClientSampleId :
TP-1

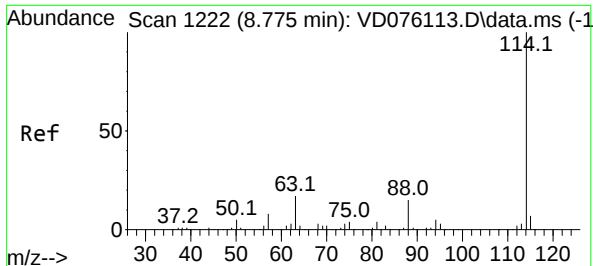
Tgt Ion:168 Resp: 22594
Ion Ratio Lower Upper
168 100
99 48.7 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 82.966 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076290.D
Acq: 31 May 2023 17:51

Tgt Ion: 65 Resp: 18117
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: VD076290.D

Acq: 31 May 2023 17:51

Instrument :

MSVOA_D

ClientSampleId :

TP-1

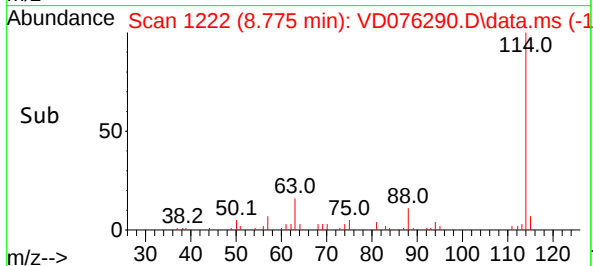
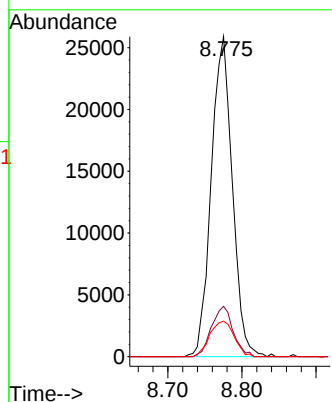
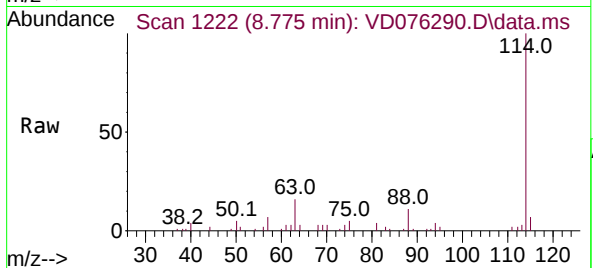
Tgt Ion:114 Resp: 51210

Ion Ratio Lower Upper

114 100

63 15.8 0.0 41.6

88 11.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.606 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076290.D

Acq: 31 May 2023 17:51

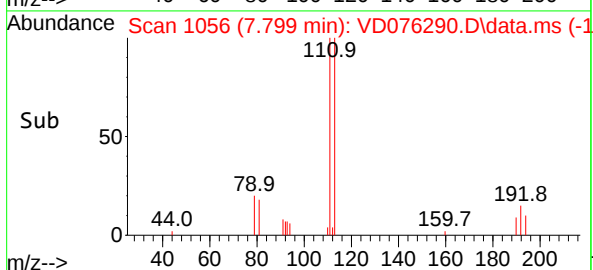
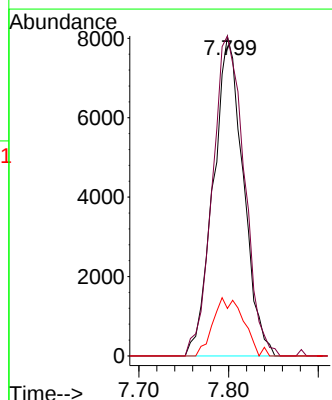
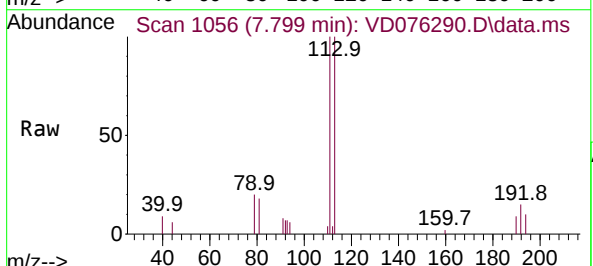
Tgt Ion:113 Resp: 18621

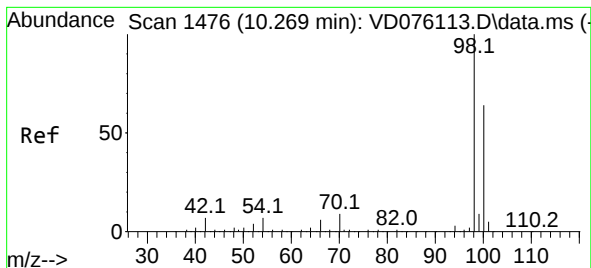
Ion Ratio Lower Upper

113 100

111 106.4 81.4 122.0

192 18.6 15.2 22.8





#50

Toluene-d8

Concen: 24.994 ug/l

RT: 10.263 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VD076290.D

Acq: 31 May 2023 17:51

Instrument :

MSVOA_D

ClientSampleId :

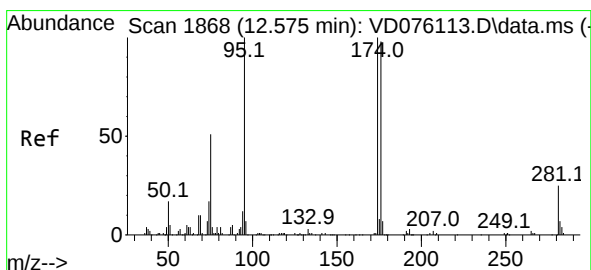
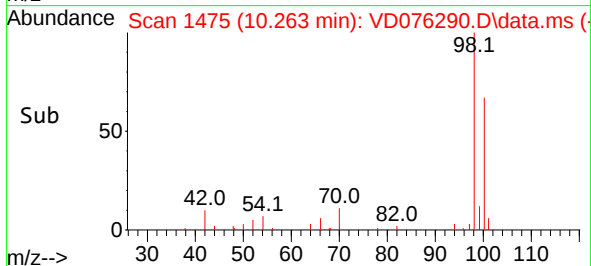
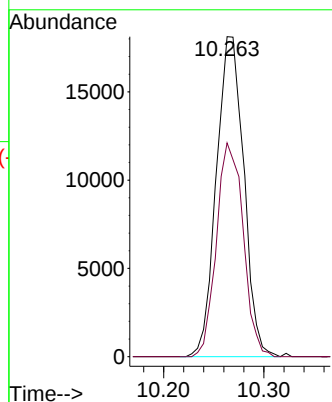
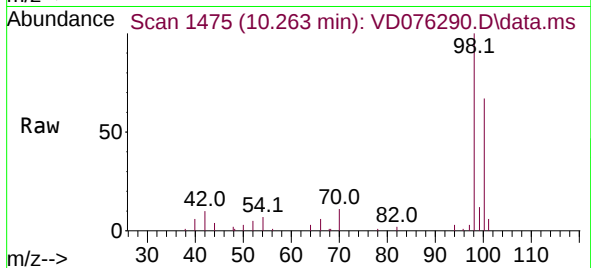
TP-1

Tgt Ion: 98 Resp: 34489

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 42.582 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076290.D

Acq: 31 May 2023 17:51

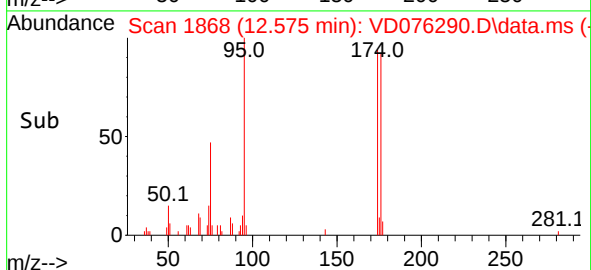
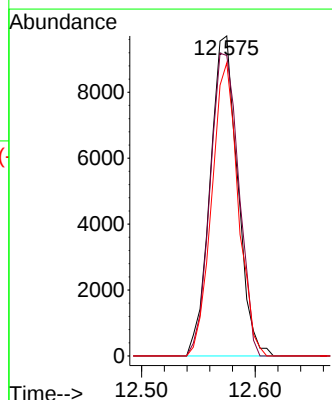
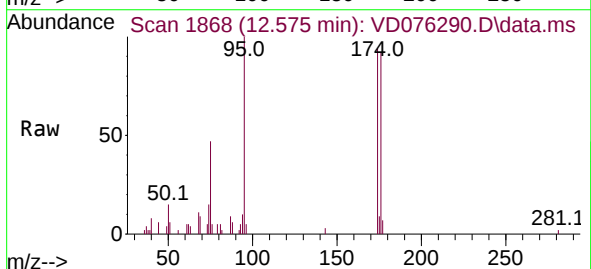
Tgt Ion: 95 Resp: 16322

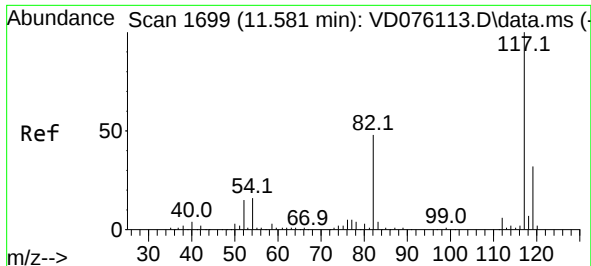
Ion Ratio Lower Upper

95 100

174 98.5 0.0 164.0

176 88.2 0.0 156.8

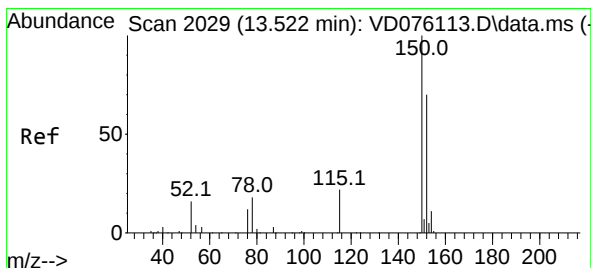
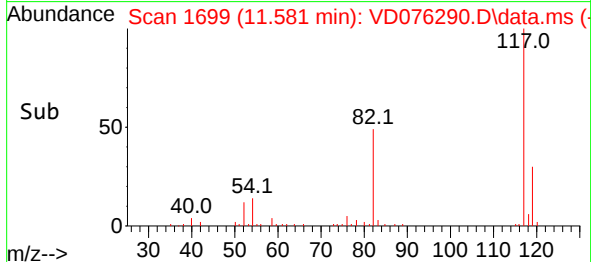
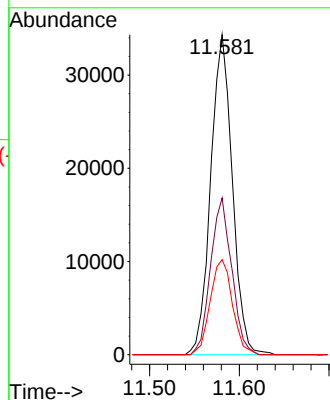
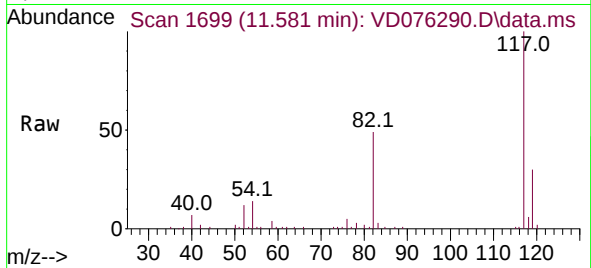




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076290.D
Acq: 31 May 2023 17:51

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tgt Ion:117 Resp: 57411
Ion Ratio Lower Upper
117 100
82 49.0 44.0 66.0
119 29.7 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: VD076290.D
Acq: 31 May 2023 17:51

Tgt Ion:152 Resp: 26020
Ion Ratio Lower Upper
152 100
115 50.4 30.1 90.3
150 156.9 0.0 364.8

