

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080723\
 Data File : VD076931.D
 Acq On : 07 Aug 2023 15:16
 Operator : KP/SY
 Sample : 03891-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Aug 08 04:40:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	127521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	256634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	262193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	116972	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82446	64.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.820%
35) Dibromofluoromethane	7.805	113	92801	57.544	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.080%
50) Toluene-d8	10.269	98	317959	55.113	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.220%
62) 4-Bromofluorobenzene	12.575	95	95731	51.293	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.580%

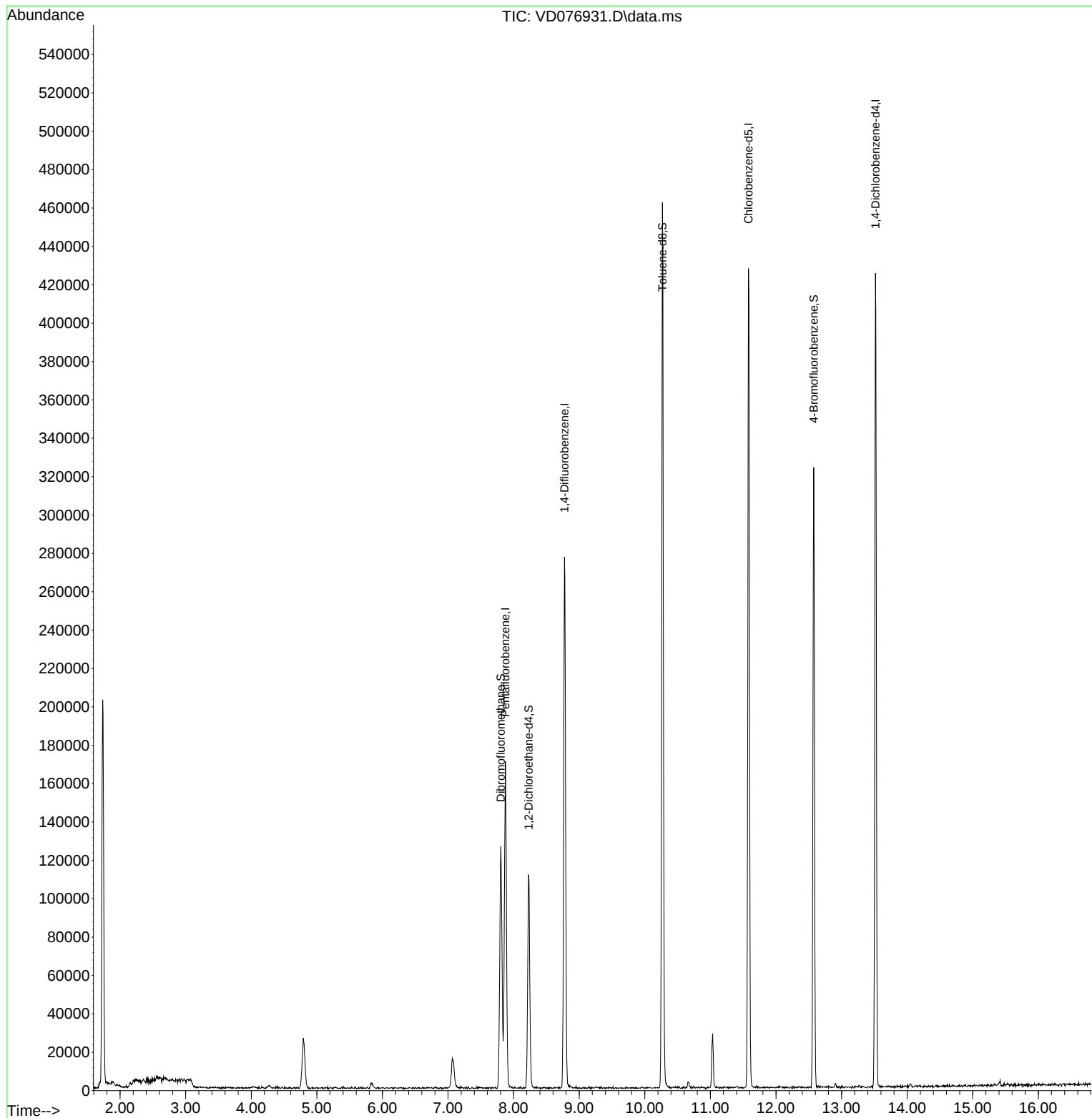
Target Compounds	Qvalue

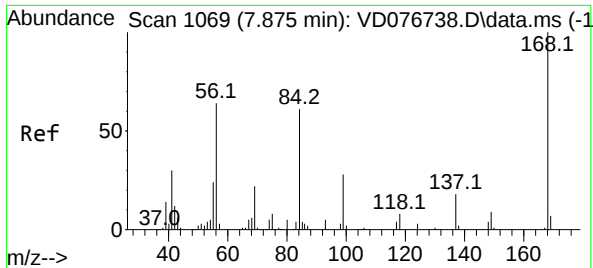
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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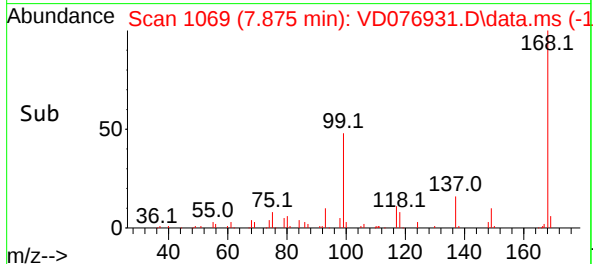
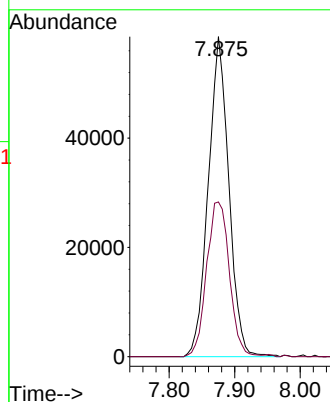
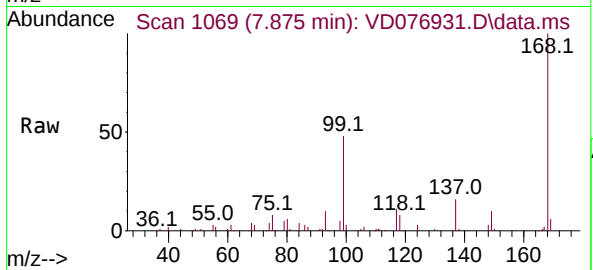




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076931.D
Acq: 07 Aug 2023 15:16

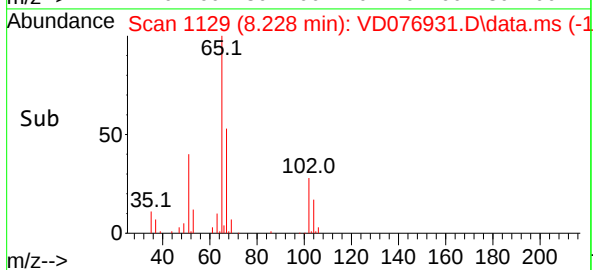
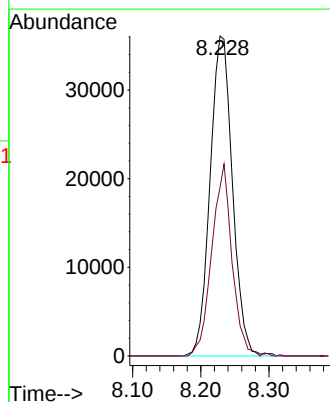
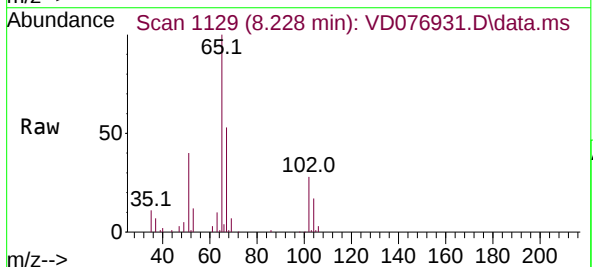
Instrument :
MSVOA_D
ClientSampleId :
TP-1

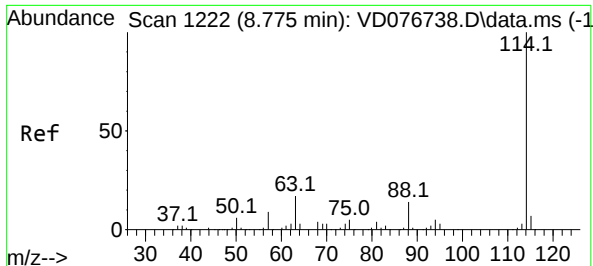
Tgt Ion:168 Resp: 127521
Ion Ratio Lower Upper
168 100
99 48.4 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 64.911 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076931.D
Acq: 07 Aug 2023 15:16

Tgt Ion: 65 Resp: 82446
Ion Ratio Lower Upper
65 100
67 54.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076931.D

Acq: 07 Aug 2023 15:16

Instrument :

MSVOA_D

ClientSampleId :

TP-1

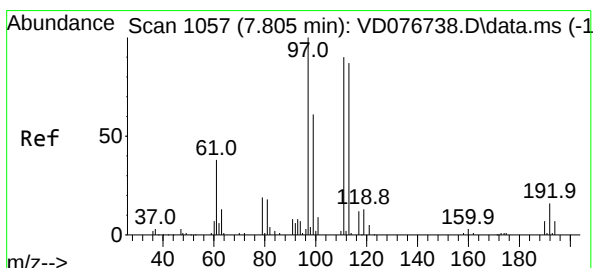
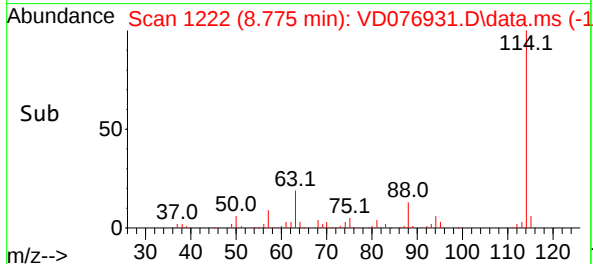
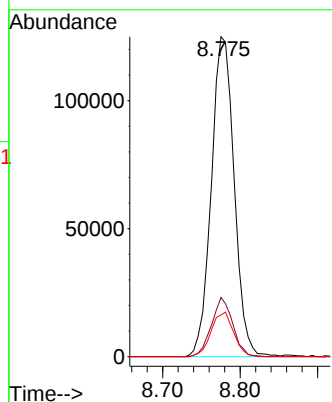
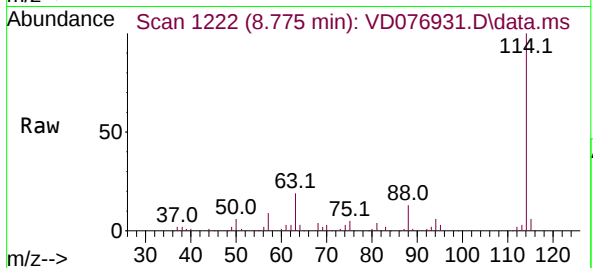
Tgt Ion:114 Resp: 256634

Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 13.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 57.544 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076931.D

Acq: 07 Aug 2023 15:16

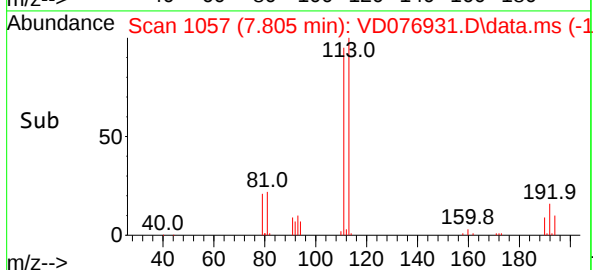
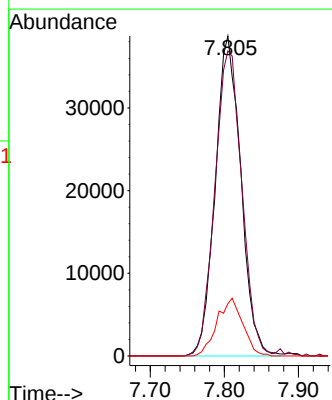
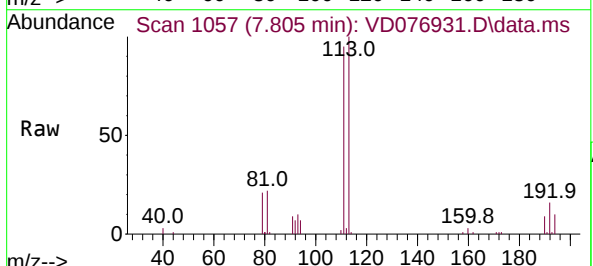
Tgt Ion:113 Resp: 92801

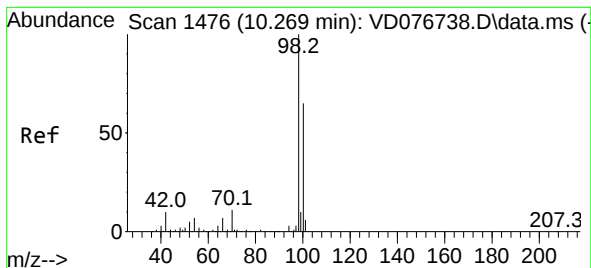
Ion Ratio Lower Upper

113 100

111 100.4 84.7 127.1

192 18.2 16.8 25.2





#50

Toluene-d8

Concen: 55.113 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076931.D

Acq: 07 Aug 2023 15:16

Instrument :

MSVOA_D

ClientSampleId :

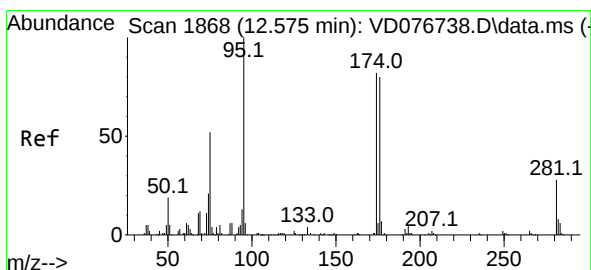
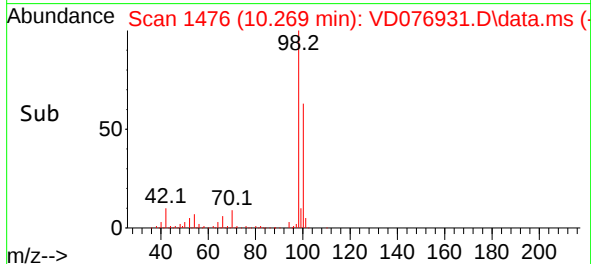
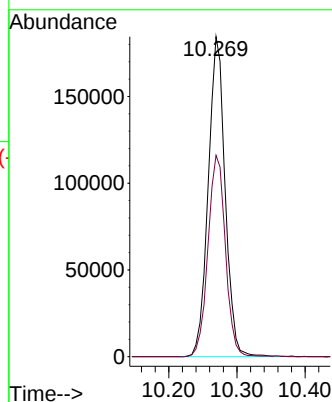
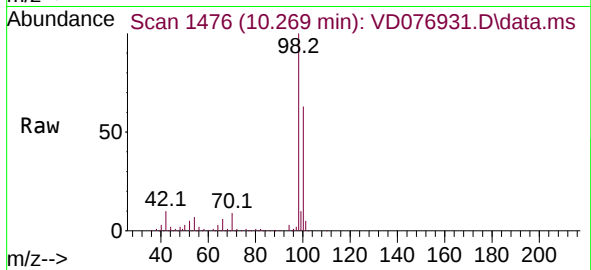
TP-1

Tgt Ion: 98 Resp: 317959

Ion Ratio Lower Upper

98 100

100 64.9 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 51.293 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076931.D

Acq: 07 Aug 2023 15:16

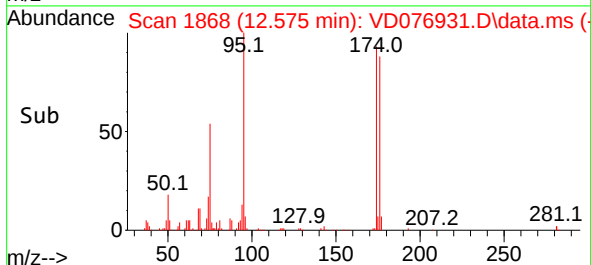
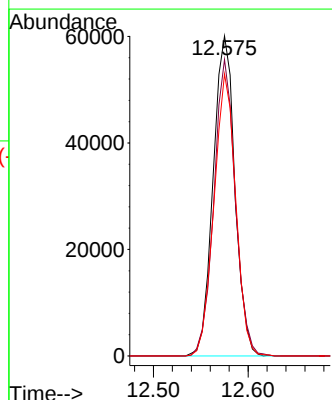
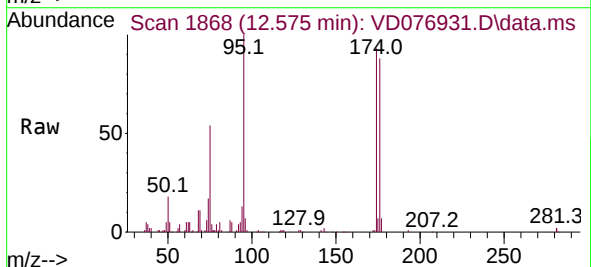
Tgt Ion: 95 Resp: 95731

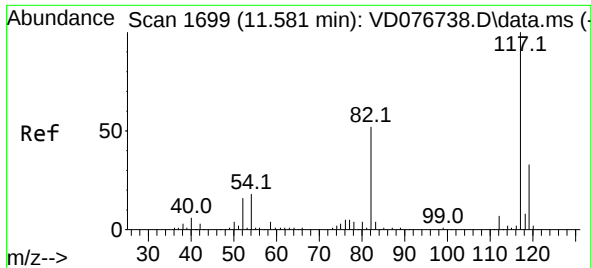
Ion Ratio Lower Upper

95 100

174 91.2 0.0 201.8

176 88.1 0.0 191.8

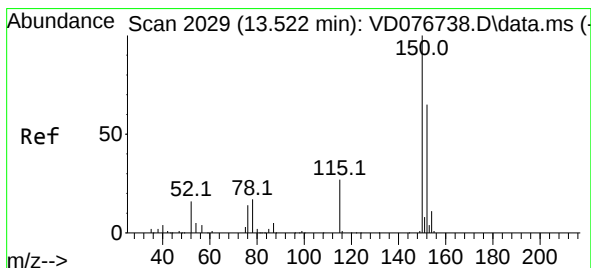
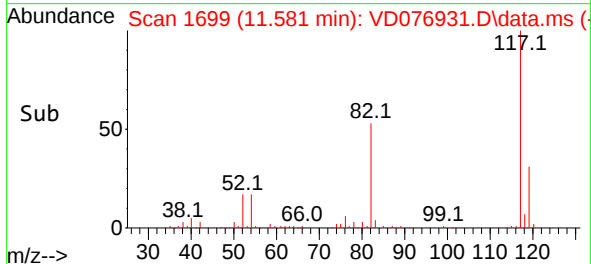
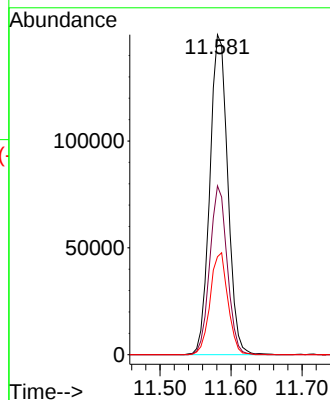
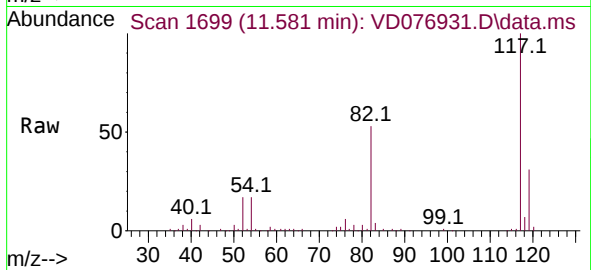




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076931.D
Acq: 07 Aug 2023 15:16

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tgt Ion:117 Resp: 262193
Ion Ratio Lower Upper
117 100
82 52.7 38.3 57.5
119 30.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076931.D
Acq: 07 Aug 2023 15:16

Tgt Ion:152 Resp: 116972
Ion Ratio Lower Upper
152 100
115 56.7 27.1 81.3
150 156.4 0.0 353.6

