

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077826.D
 Acq On : 11 Dec 2023 21:58
 Operator : JC/SY
 Sample : 05701-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-06-120723

Quant Time: Dec 12 00:53:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	50921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	114791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	121174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	57745	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	46087	76.808	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.620%
35) Dibromofluoromethane	7.810	113	43209	53.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.480%
50) Toluene-d8	10.269	98	154092	47.848	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.700%
62) 4-Bromofluorobenzene	12.575	95	47086	48.904	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.800%

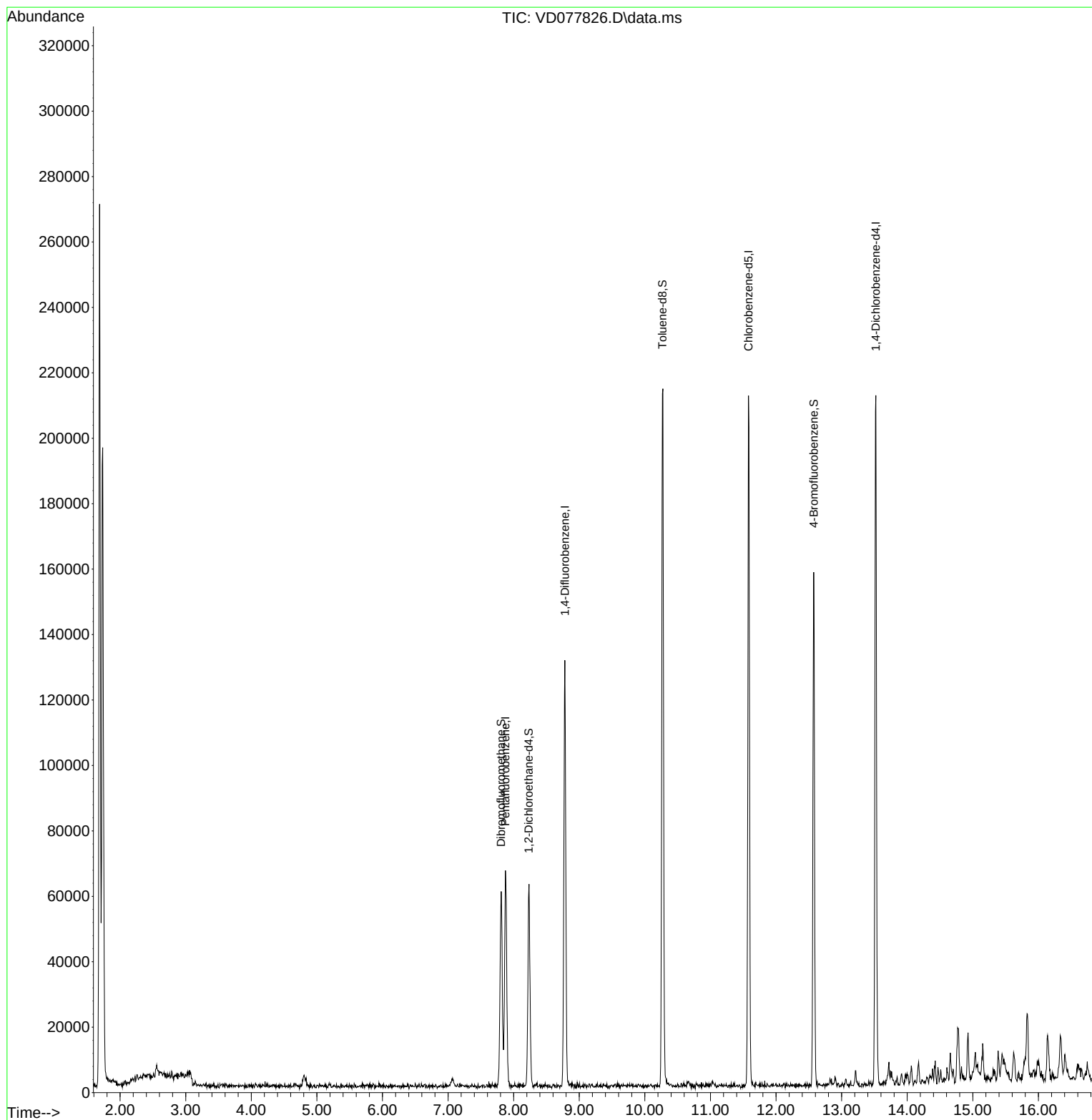
Target Compounds	Qvalue

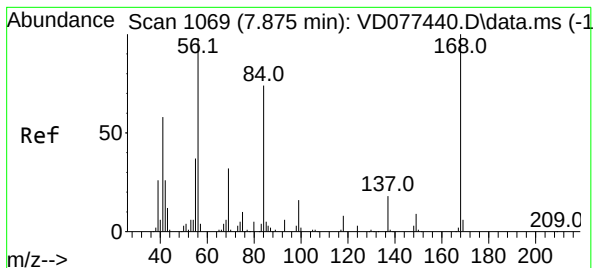
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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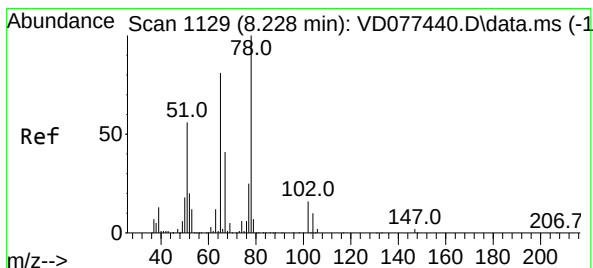
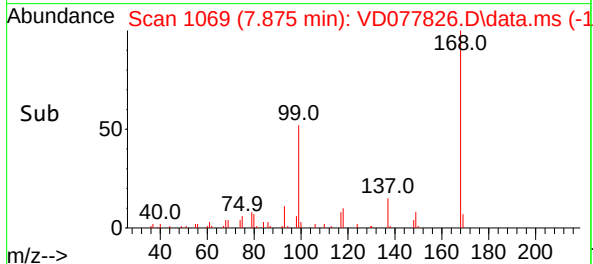
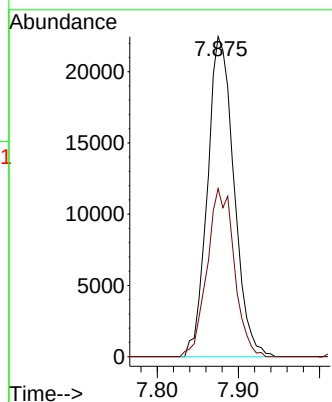
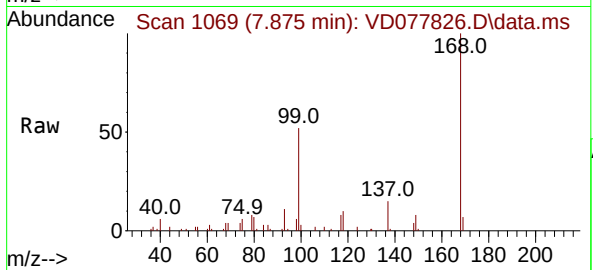




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

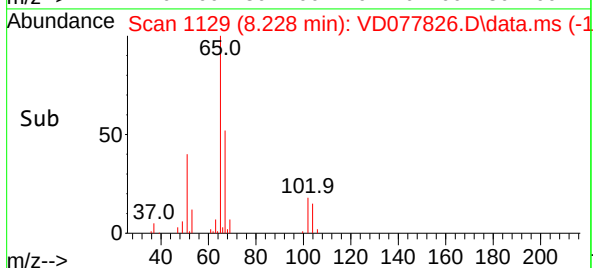
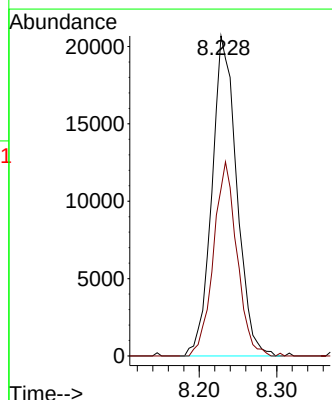
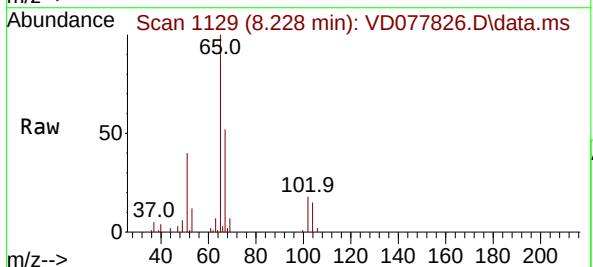
Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

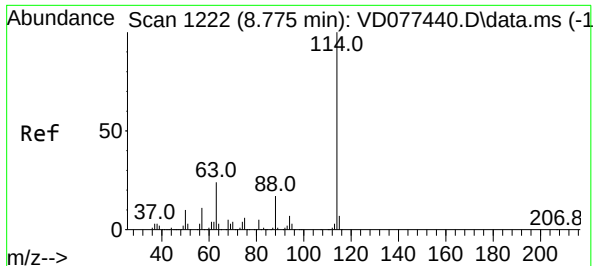
Tgt Ion:168 Resp: 50921
Ion Ratio Lower Upper
168 100
99 52.5 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 76.808 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Tgt Ion: 65 Resp: 46087
Ion Ratio Lower Upper
65 100
67 57.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 114

Delta R.T. 0.006 min

Lab File: VD077826.D

Acq: 11 Dec 2023 21:58

Instrument :

MSVOA_D

ClientSampleId :

TR-06-120723

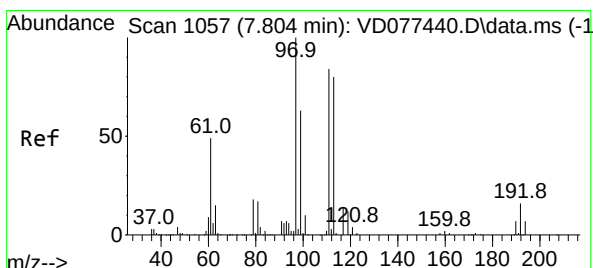
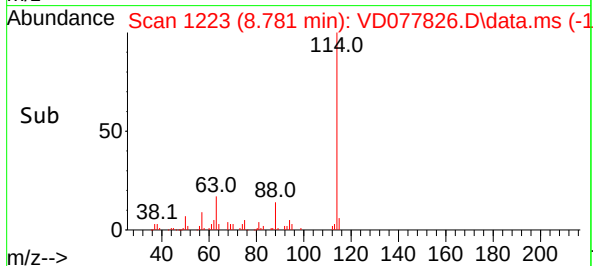
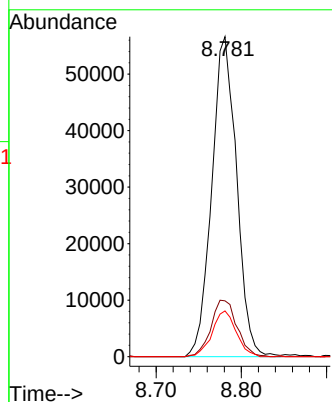
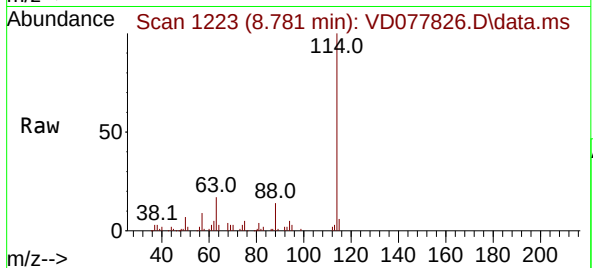
Tgt Ion:114 Resp: 114791

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.738 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077826.D

Acq: 11 Dec 2023 21:58

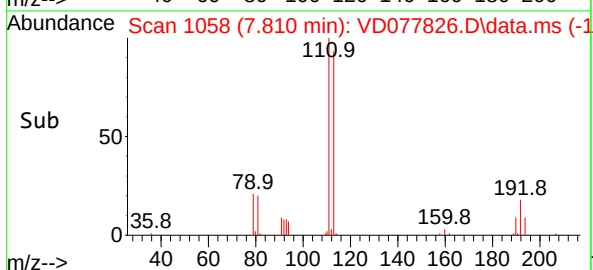
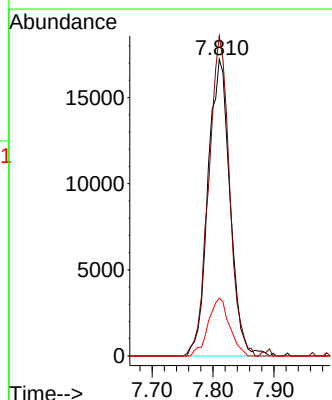
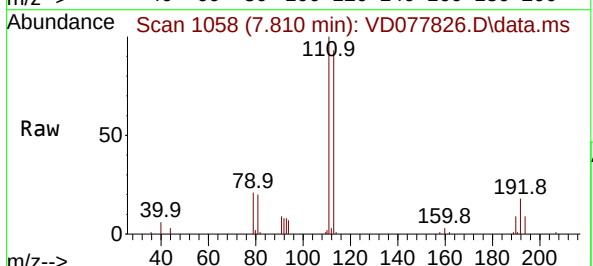
Tgt Ion:113 Resp: 43209

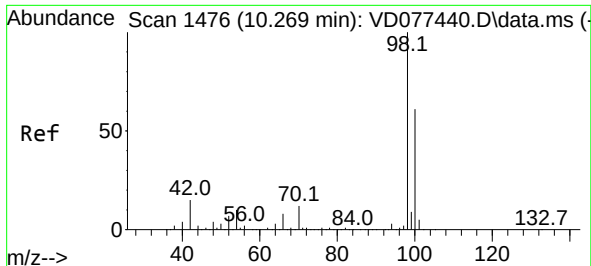
Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 18.8 16.8 25.2

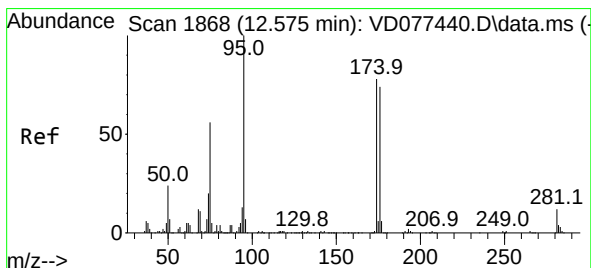
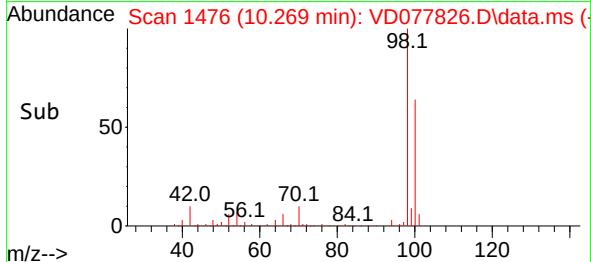
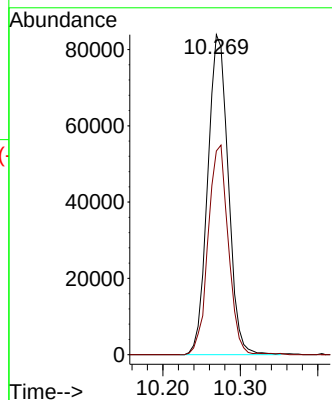
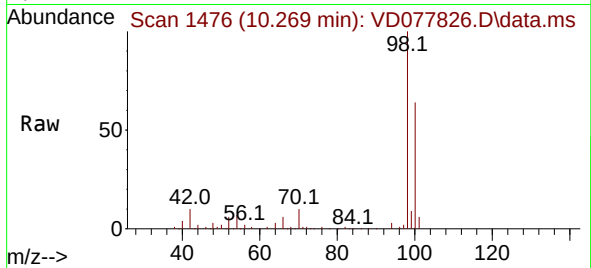




#50
Toluene-d8
Concen: 47.848 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

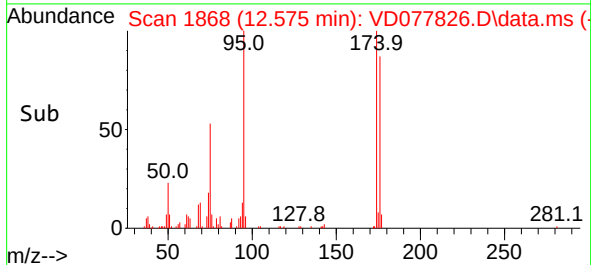
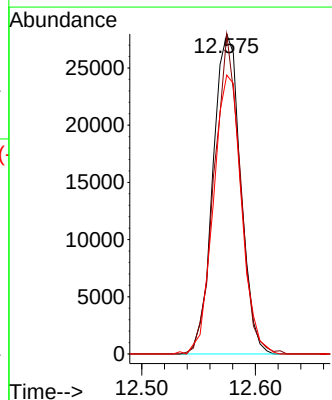
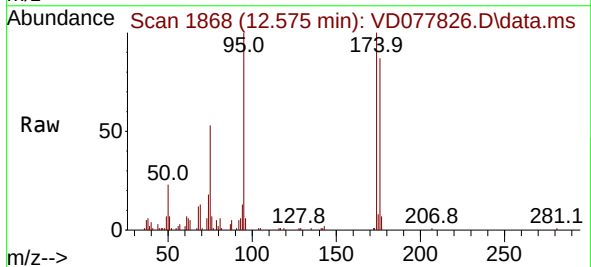
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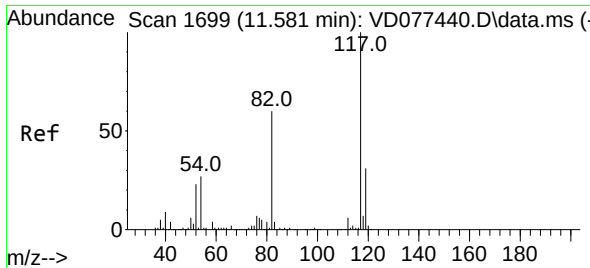
Tgt Ion: 98 Resp: 154092
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 48.904 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Tgt Ion: 95 Resp: 47086
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 89.2 0.0 191.8

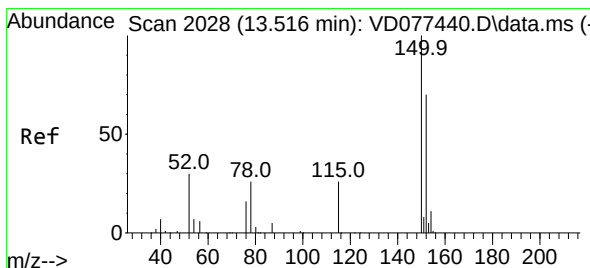
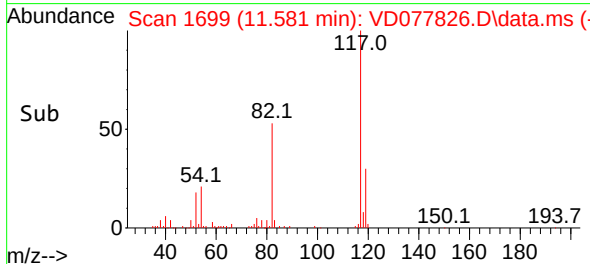
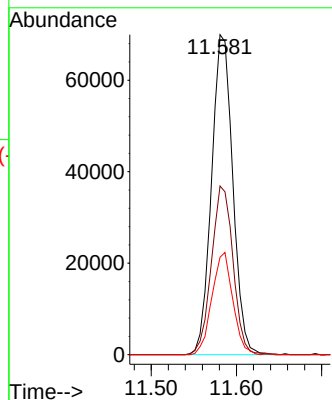
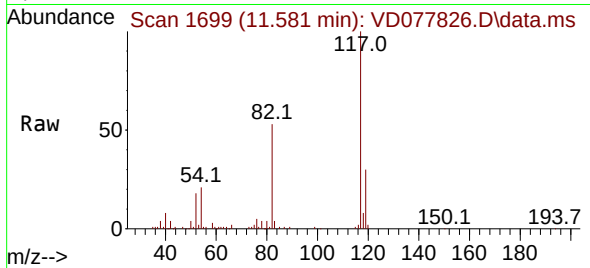




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

Tgt Ion:117 Resp: 121174
Ion Ratio Lower Upper
117 100
82 52.7 38.3 57.5
119 30.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Tgt Ion:152 Resp: 57745
Ion Ratio Lower Upper
152 100
115 56.7 27.1 81.3
150 153.6 0.0 353.6

