

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077920.D
 Acq On : 16 Dec 2023 00:56
 Operator : RP/MD
 Sample : 05758-01
 Misc : 3.69G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-COMP-1

Quant Time: Dec 16 05:11:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	170291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	310276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	289933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	124962	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76620	38.183	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.360%
35) Dibromofluoromethane	7.810	113	90546	41.661	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.320%
50) Toluene-d8	10.269	98	395881	45.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.960%
62) 4-Bromofluorobenzene	12.575	95	106152	40.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.580%

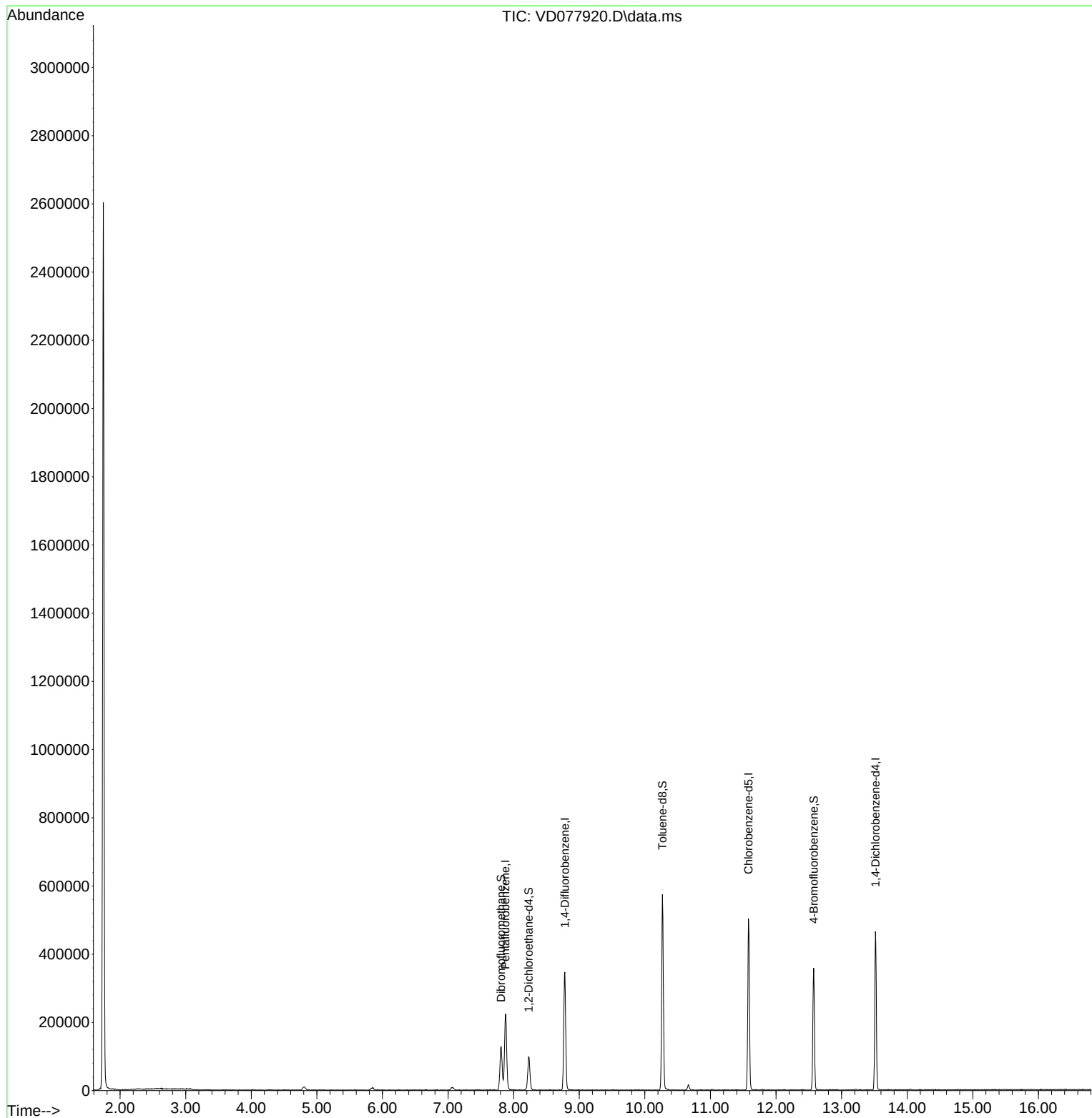
Target Compounds	Qvalue

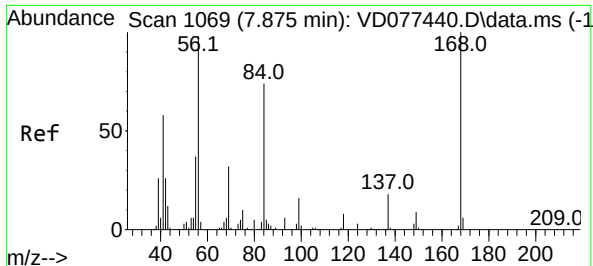
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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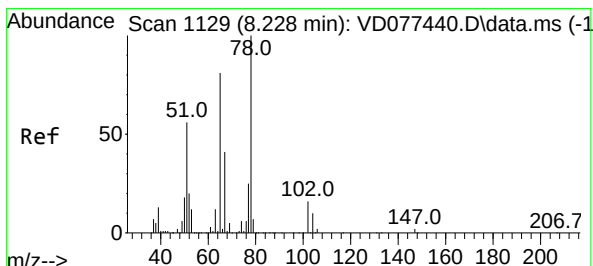
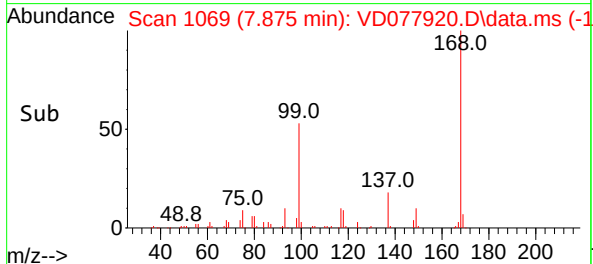
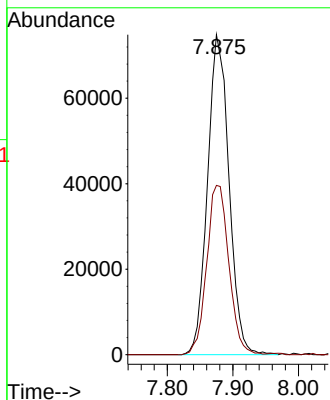
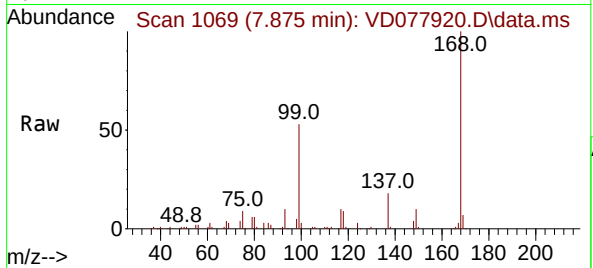




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

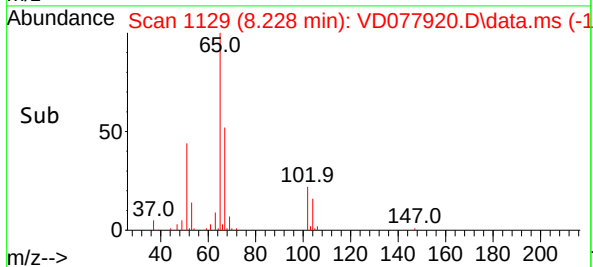
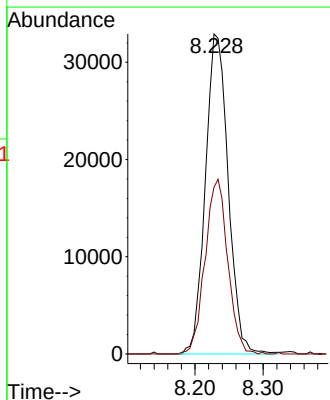
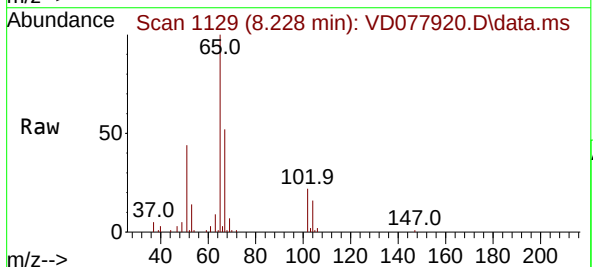
Instrument :
MSVOA_D
ClientSampleId :
SP-COMP-1

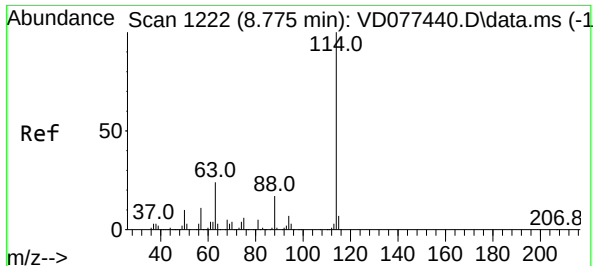
Tgt Ion:168 Resp: 170291
Ion Ratio Lower Upper
168 100
99 52.9 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 38.183 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Tgt Ion: 65 Resp: 76620
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

Instrument :

MSVOA_D

ClientSampleId :

SP-COMP-1

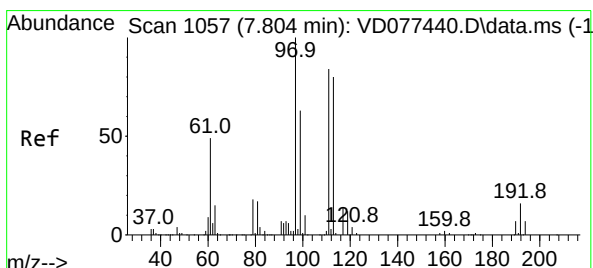
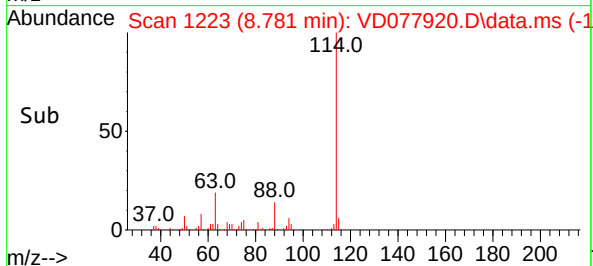
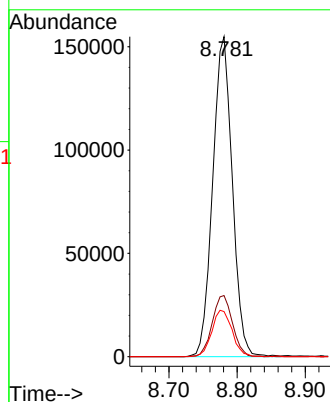
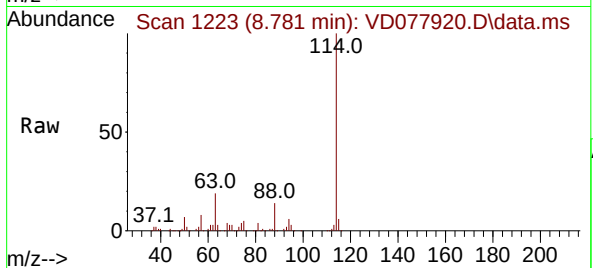
Tgt Ion:114 Resp: 310276

Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.661 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

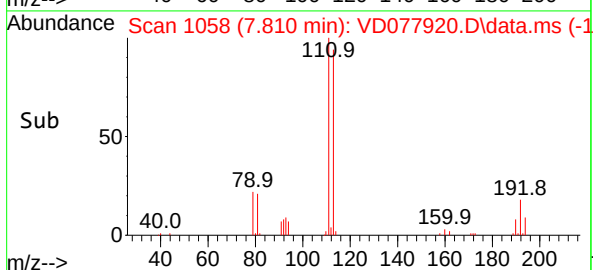
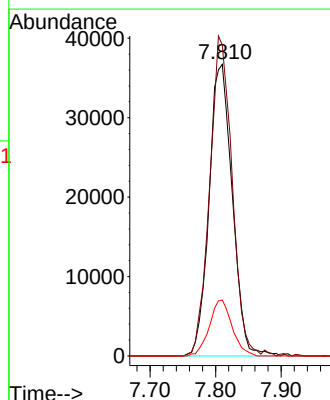
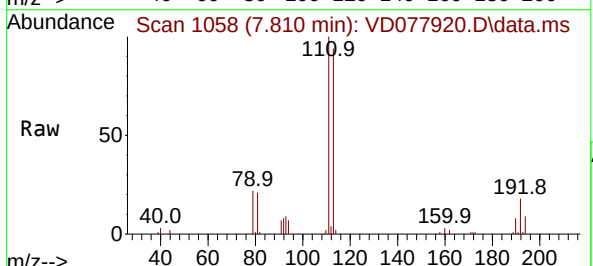
Tgt Ion:113 Resp: 90546

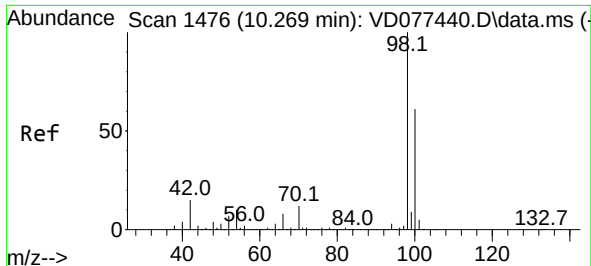
Ion Ratio Lower Upper

113 100

111 105.1 84.7 127.1

192 18.7 16.8 25.2

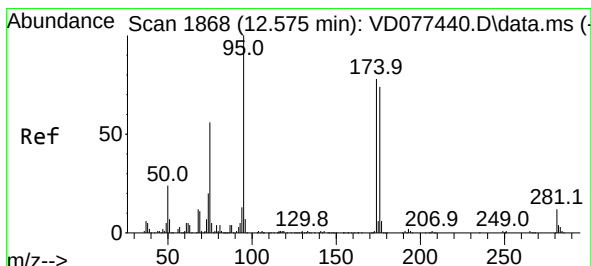
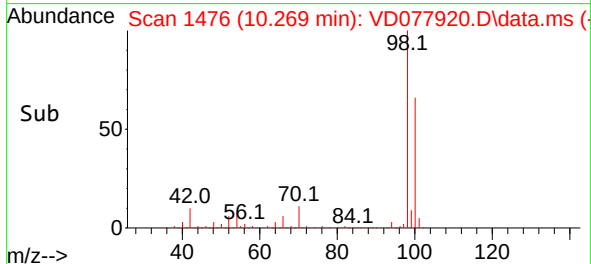
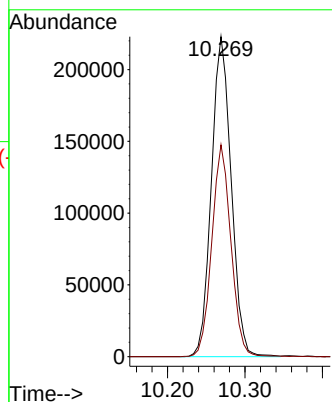
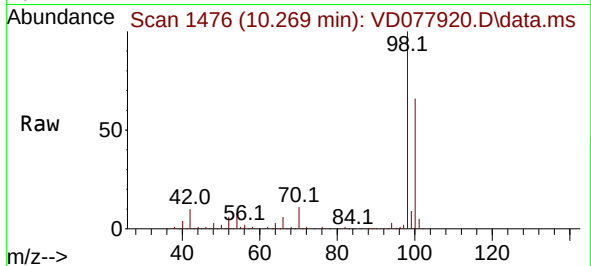




#50
Toluene-d8
Concen: 45.479 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

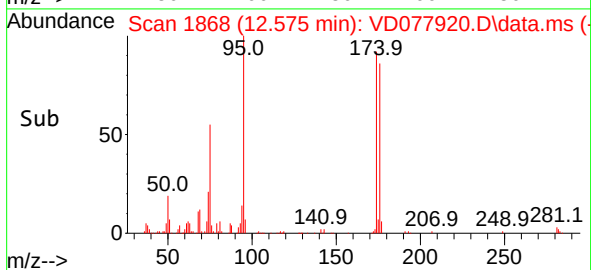
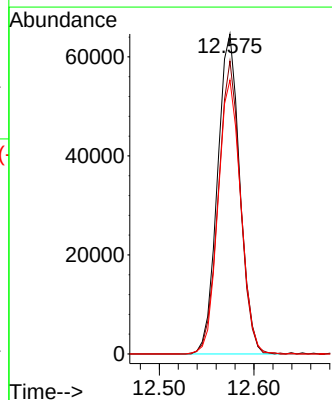
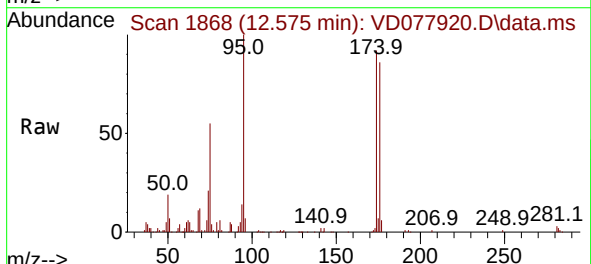
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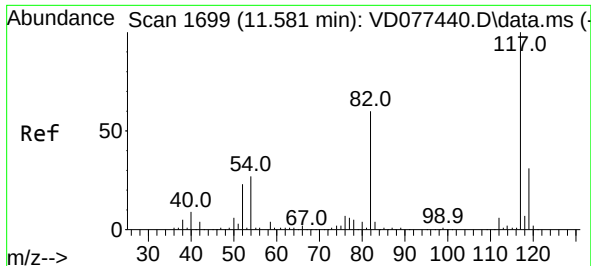
Tgt Ion: 98 Resp: 395881
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 40.789 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Tgt Ion: 95 Resp: 106152
Ion Ratio Lower Upper
95 100
174 89.7 0.0 201.8
176 86.8 0.0 191.8

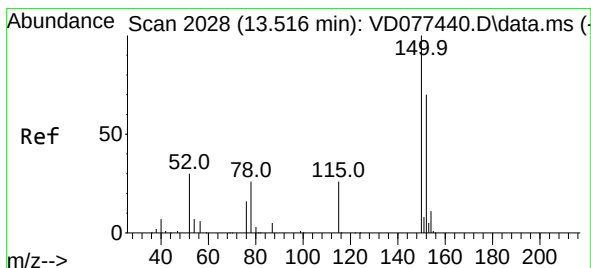
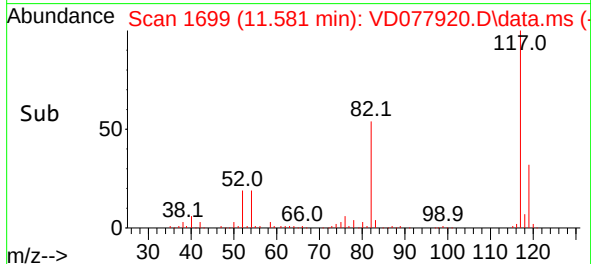
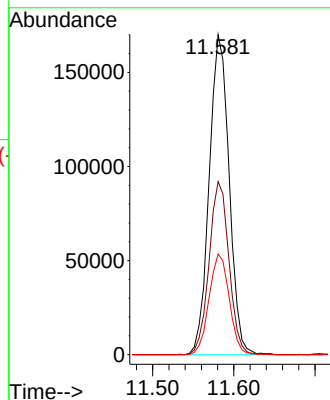
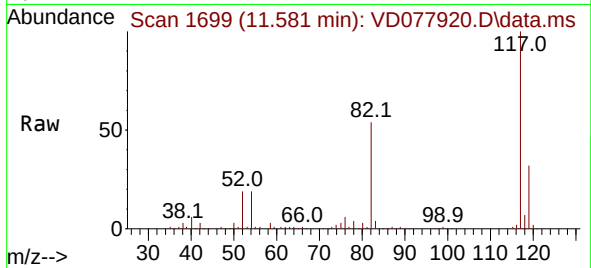




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Instrument :
MSVOA_D
ClientSampleId :
SP-COMP-1

Tgt Ion:117 Resp: 289933
Ion Ratio Lower Upper
117 100
82 54.1 38.3 57.5
119 31.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Tgt Ion:152 Resp: 124962
Ion Ratio Lower Upper
152 100
115 56.0 27.1 81.3
150 156.0 0.0 353.6

