

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077923.D
 Acq On : 16 Dec 2023 02:17
 Operator : RP/MD
 Sample : 05758-28
 Misc : 3.14G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-COMP-4

Quant Time: Dec 16 05:13:03 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	7.881	168	168449	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	311678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	291662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	129858	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81613	41.116	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.240%
35) Dibromofluoromethane	7.810	113	91927	42.107	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.220%
50) Toluene-d8	10.269	98	399206	45.655	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.300%
62) 4-Bromofluorobenzene	12.574	95	110483	42.262	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.520%

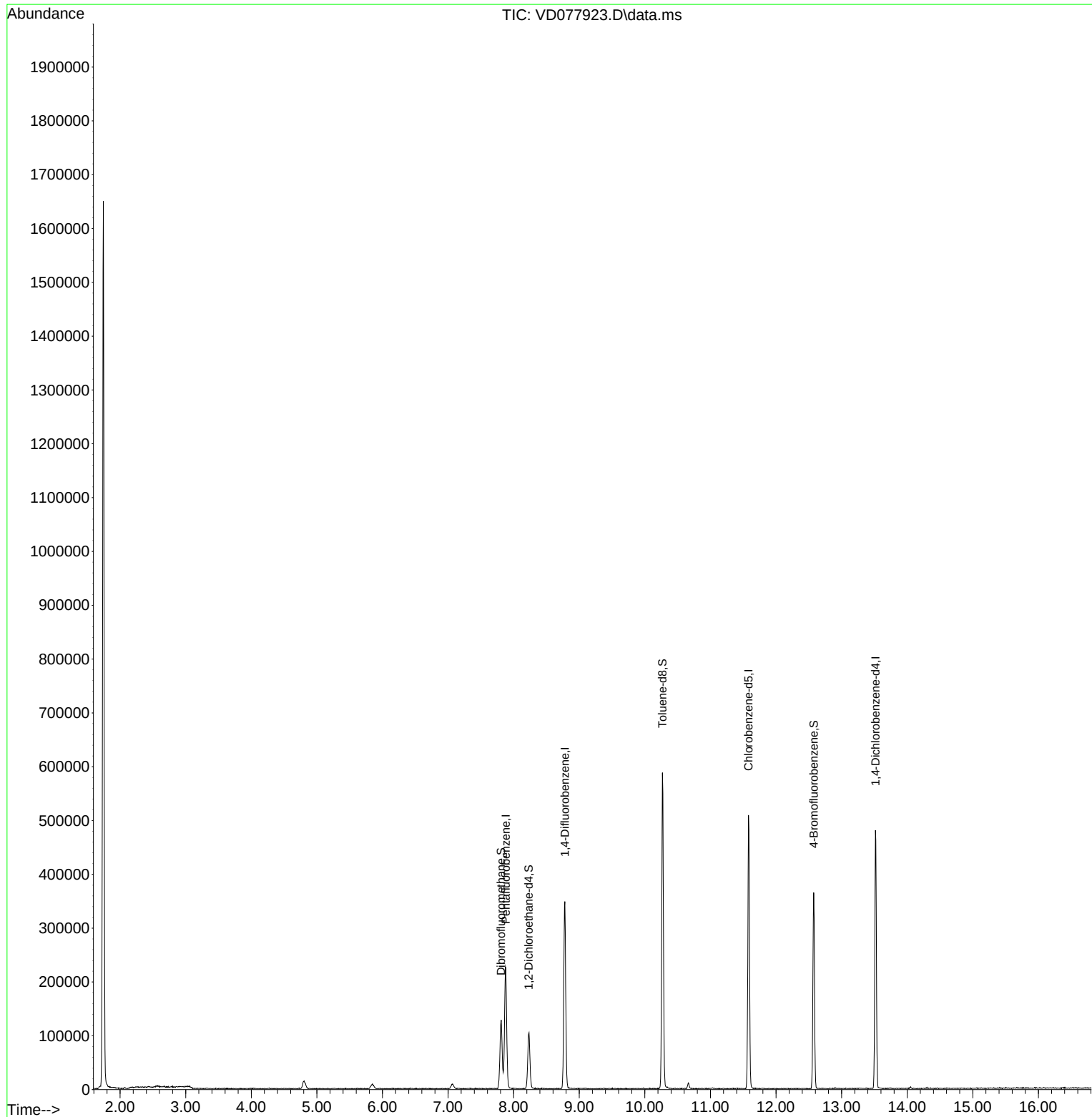
Target Compounds	Qvalue

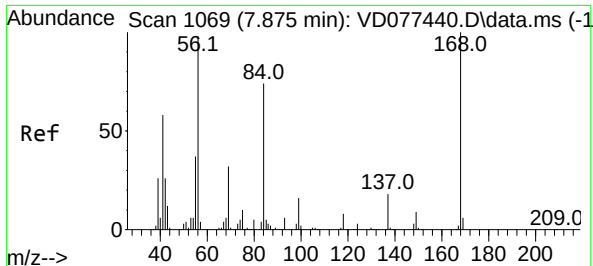
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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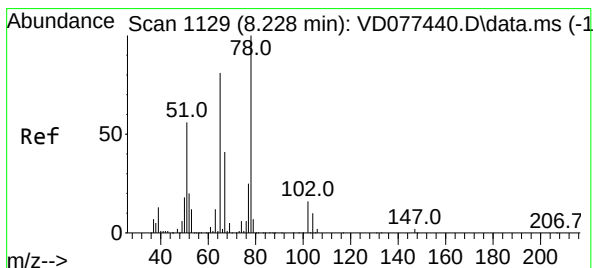
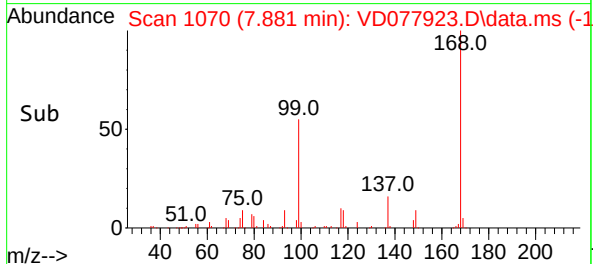
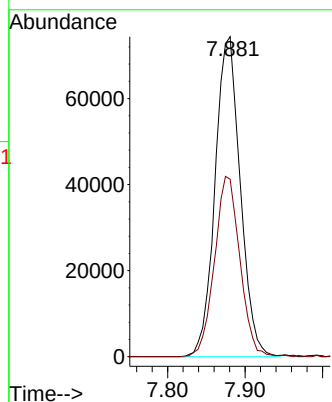
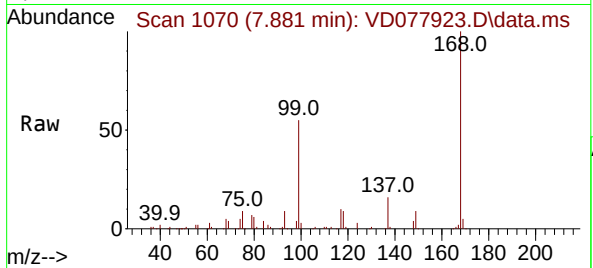




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

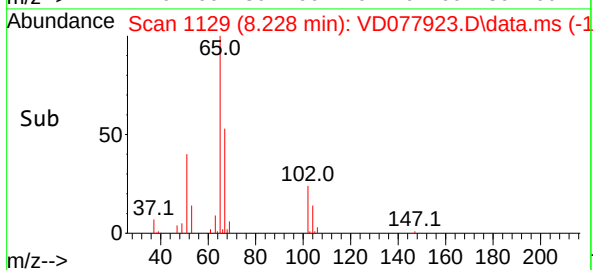
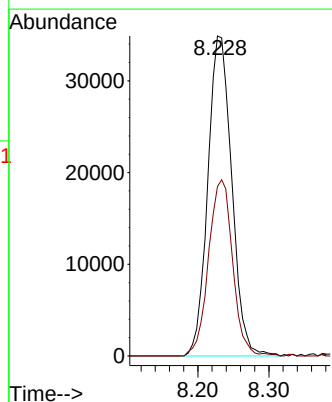
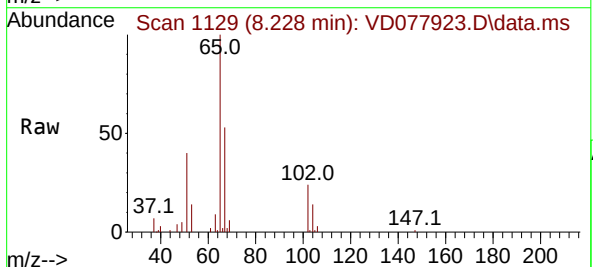
Instrument :
MSVOA_D
ClientSampleId :
SP-COMP-4

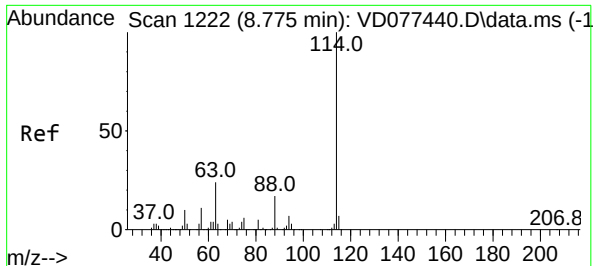
Tgt Ion:168 Resp: 168449
Ion Ratio Lower Upper
168 100
99 55.5 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 41.116 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

Tgt Ion: 65 Resp: 81613
Ion Ratio Lower Upper
65 100
67 55.5 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: VD077923.D

Acq: 16 Dec 2023 02:17

Instrument :

MSVOA_D

ClientSampleId :

SP-COMP-4

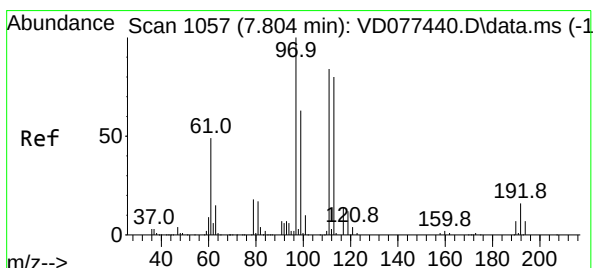
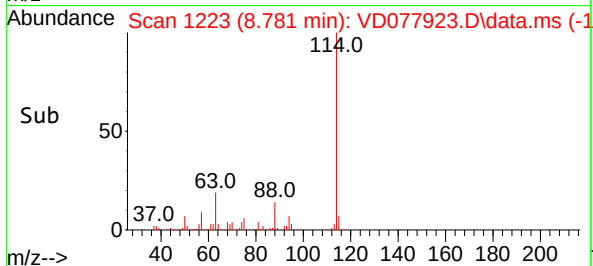
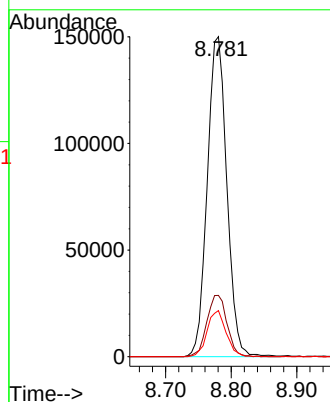
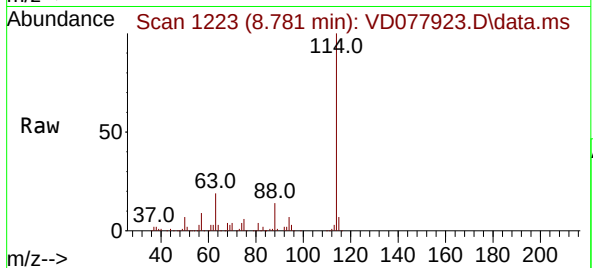
Tgt Ion:114 Resp: 311678

Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 14.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.107 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077923.D

Acq: 16 Dec 2023 02:17

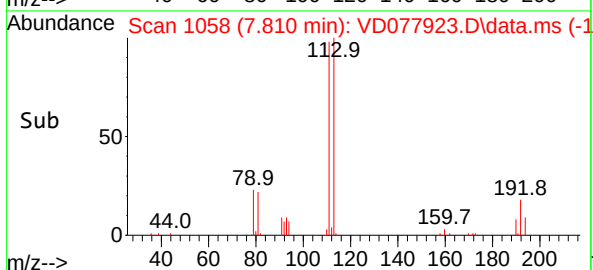
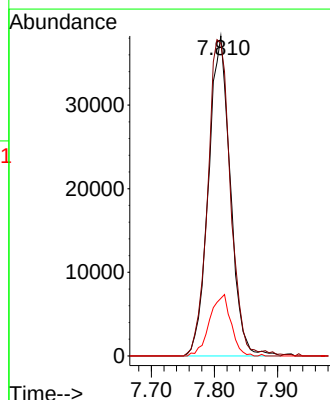
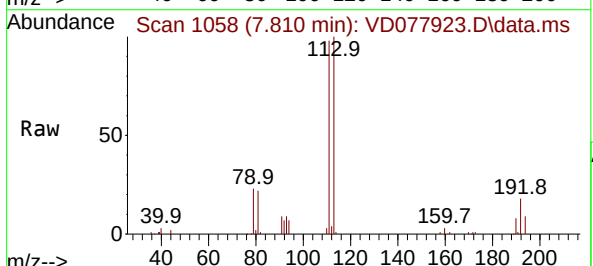
Tgt Ion:113 Resp: 91927

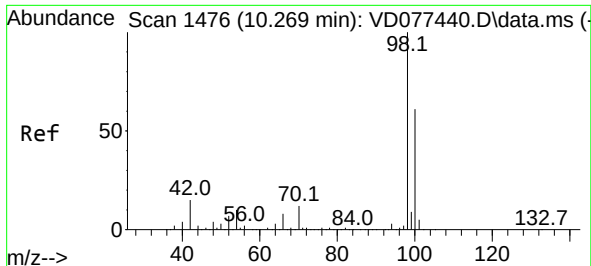
Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 18.7 16.8 25.2

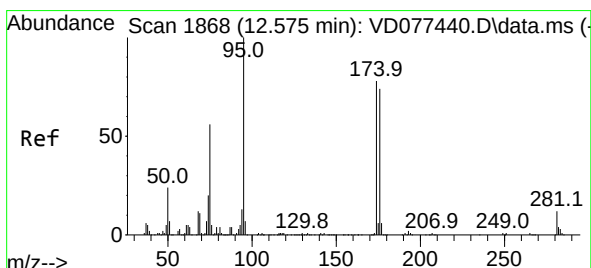
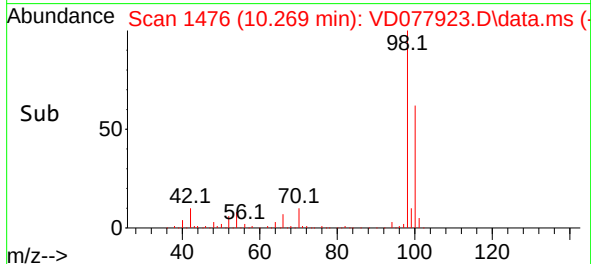
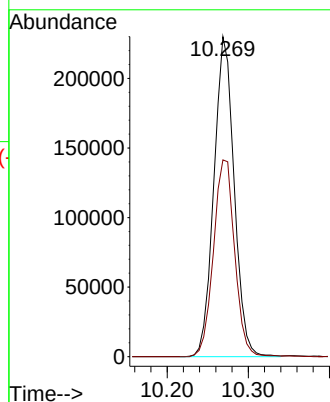
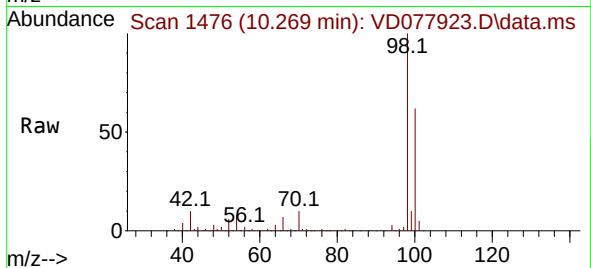




#50
Toluene-d8
Concen: 45.655 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

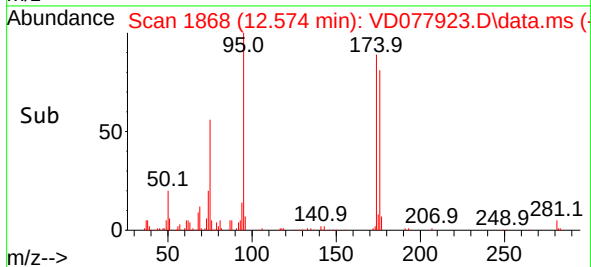
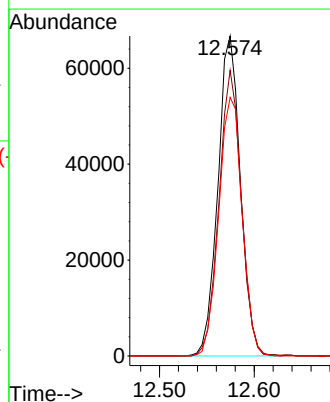
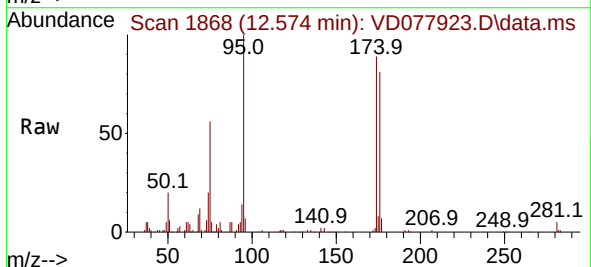
Instrument :
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SP-COMP-4

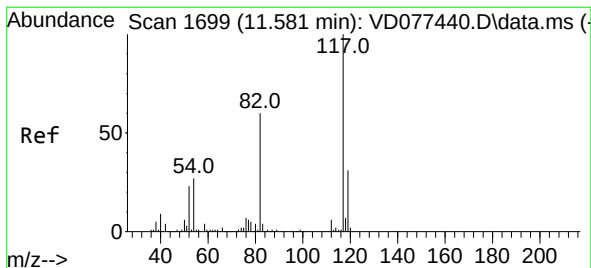
Tgt Ion: 98 Resp: 399206
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.262 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

Tgt Ion: 95 Resp: 110483
Ion Ratio Lower Upper
95 100
174 88.3 0.0 201.8
176 83.9 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.580 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD077923.D

Acq: 16 Dec 2023 02:17

Instrument :

MSVOA_D

ClientSampleId :

SP-COMP-4

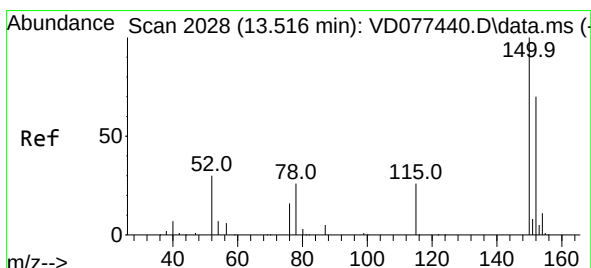
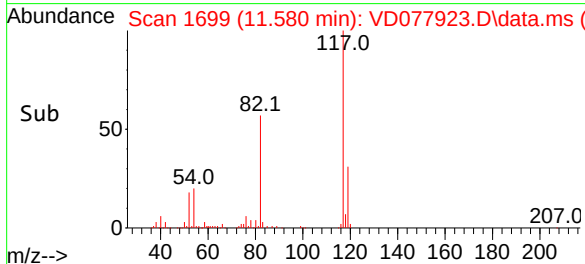
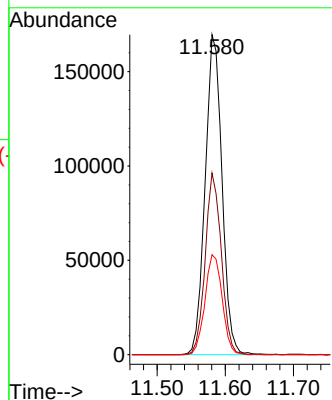
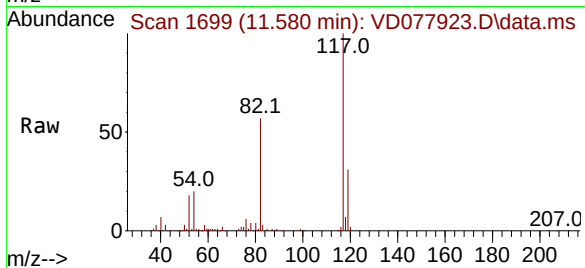
Tgt Ion:117 Resp: 291662

Ion Ratio Lower Upper

117 100

82 56.8 38.3 57.5

119 31.2 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: VD077923.D

Acq: 16 Dec 2023 02:17

Tgt Ion:152 Resp: 129858

Ion Ratio Lower Upper

152 100

115 55.1 27.1 81.3

150 155.8 0.0 353.6

