

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078047.D
 Acq On : 22 Dec 2023 02:58
 Operator : RP/MD
 Sample : 05877-13
 Misc : 5.23G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COM48

Quant Time: Dec 22 05:54:23 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	170488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	299031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	296312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128175	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80992	40.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.640%
35) Dibromofluoromethane	7.810	113	90800	43.349	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.700%
50) Toluene-d8	10.269	98	392459	46.781	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.560%
62) 4-Bromofluorobenzene	12.575	95	109798	43.776	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.560%

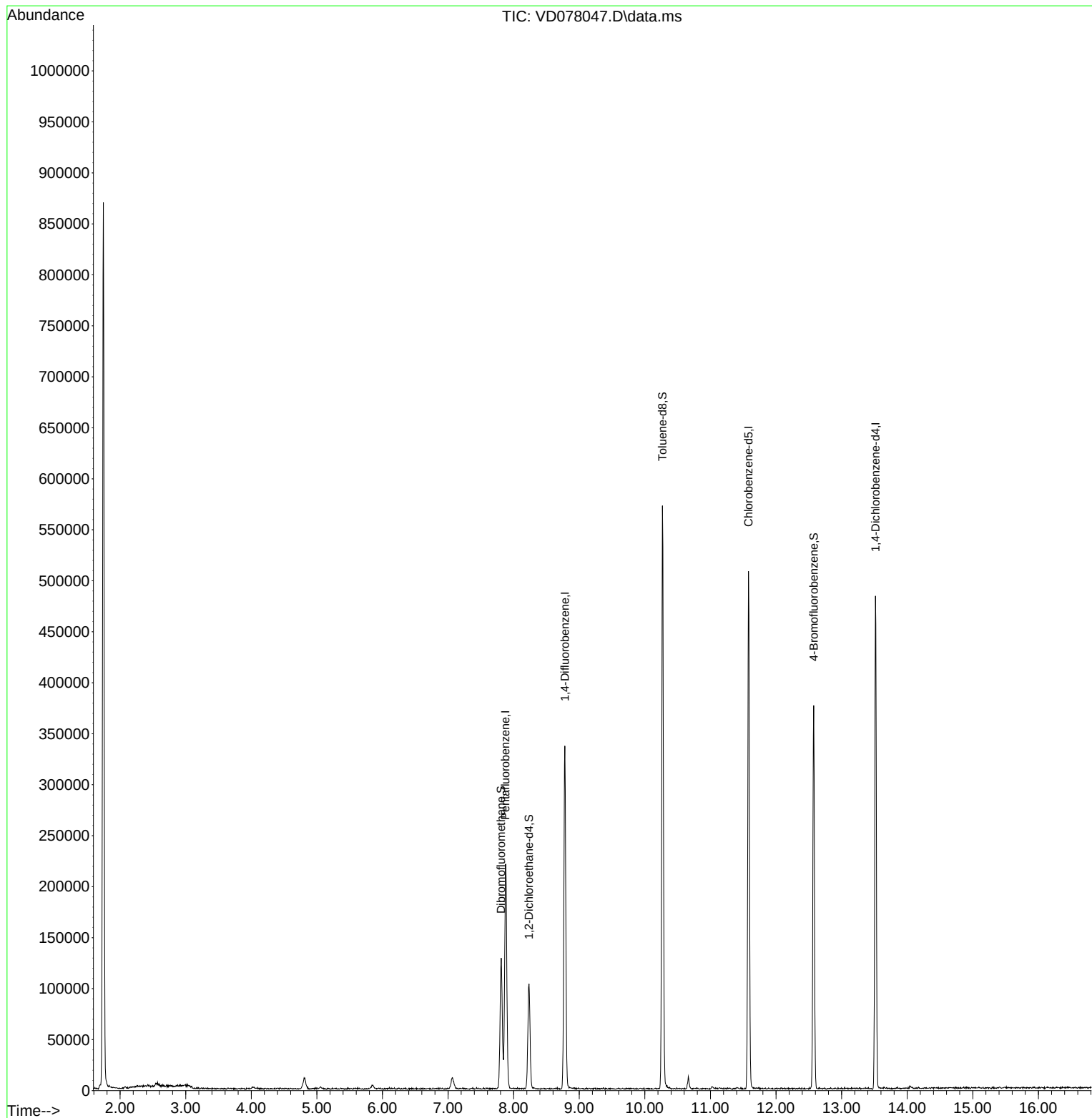
Target Compounds	Qvalue

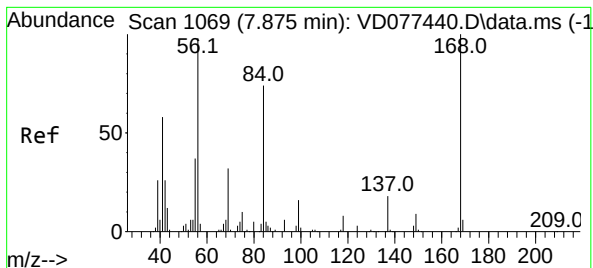
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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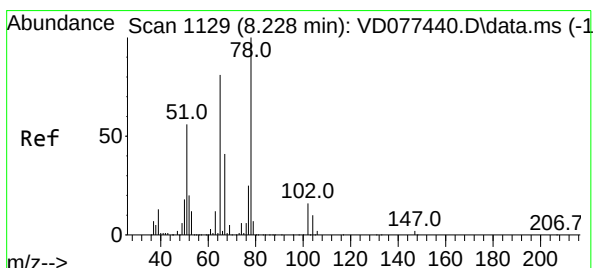
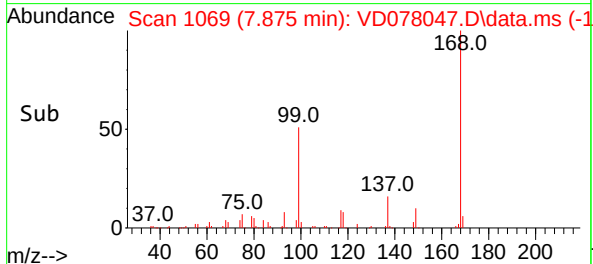
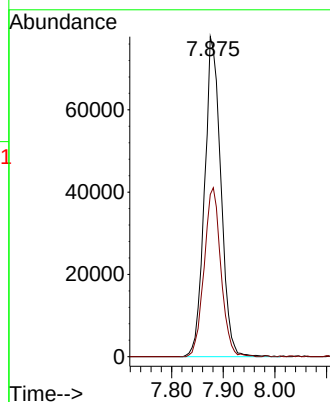
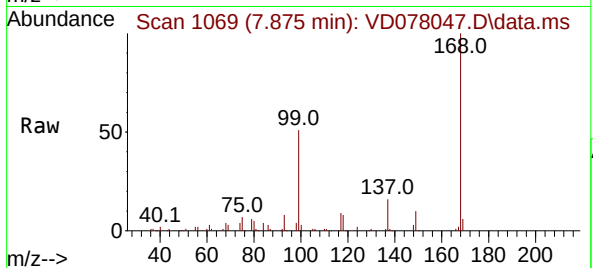




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 110
Delta R.T. -0.000 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

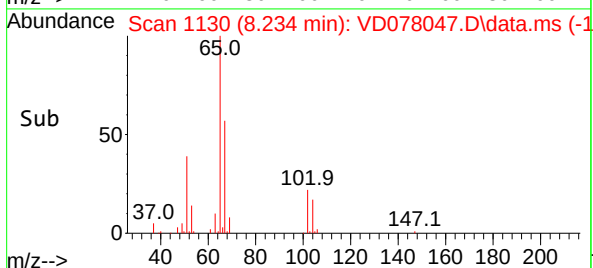
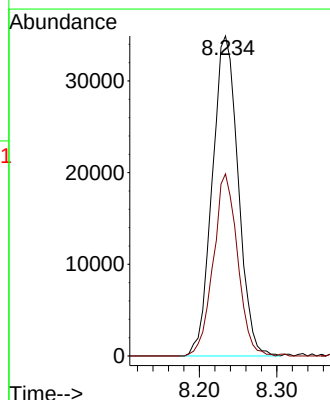
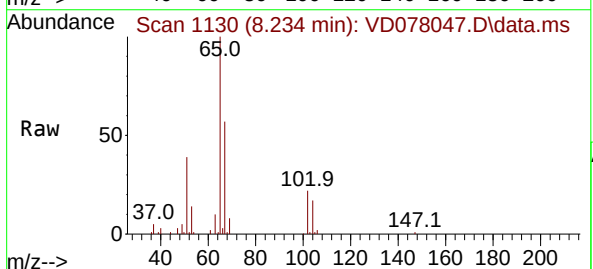
Instrument :
MSVOA_D
ClientSampleId :
COM48

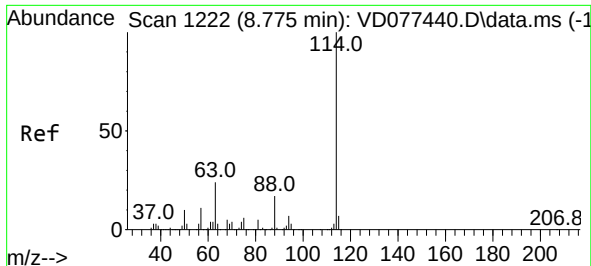
Tgt Ion:168 Resp: 170488
Ion Ratio Lower Upper
168 100
99 50.7 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 40.315 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

Tgt Ion: 65 Resp: 80992
Ion Ratio Lower Upper
65 100
67 53.4 0.0 115.0

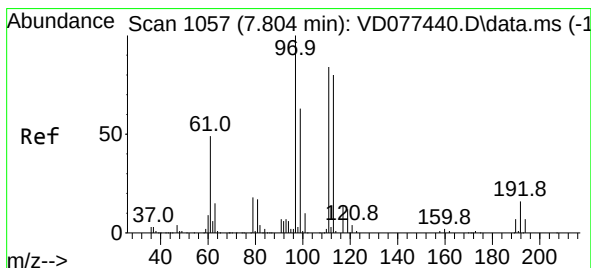
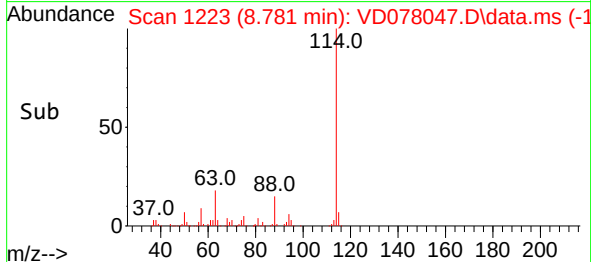
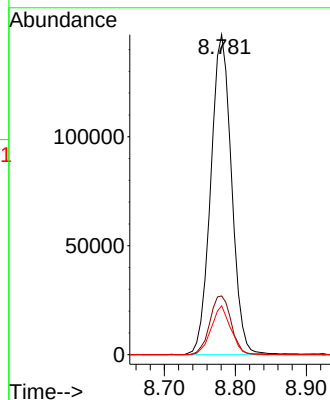
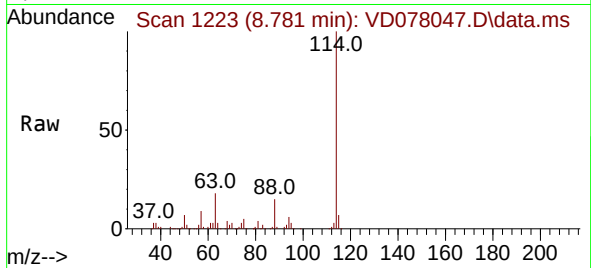




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

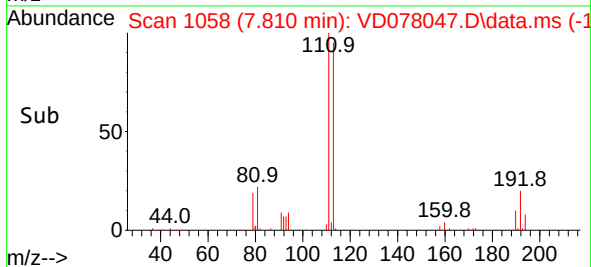
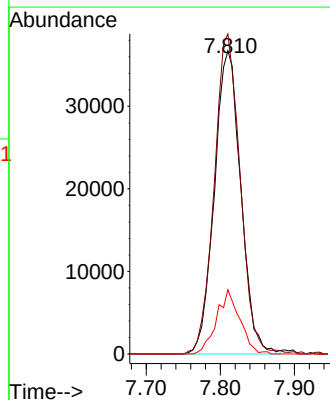
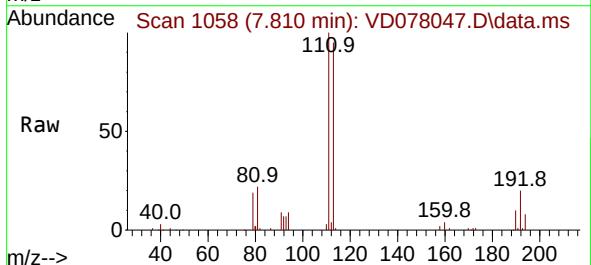
Instrument :
MSVOA_D
ClientSampleId :
COM48

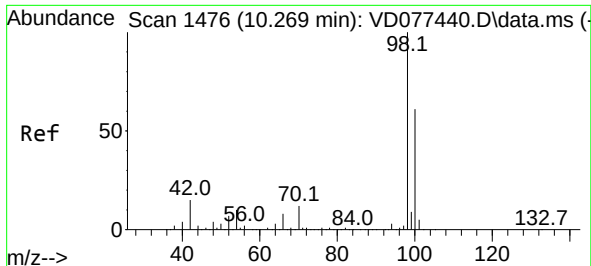
Tgt Ion:114 Resp: 299031
Ion Ratio Lower Upper
114 100
63 18.3 0.0 33.4
88 15.3 0.0 26.2



#35
Dibromofluoromethane
Concen: 43.349 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

Tgt Ion:113 Resp: 90800
Ion Ratio Lower Upper
113 100
111 103.8 84.7 127.1
192 18.6 16.8 25.2

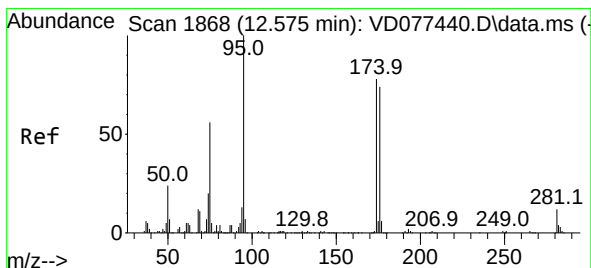
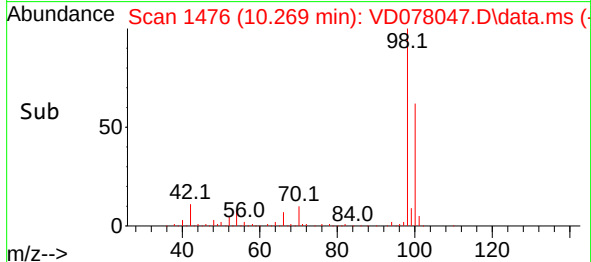
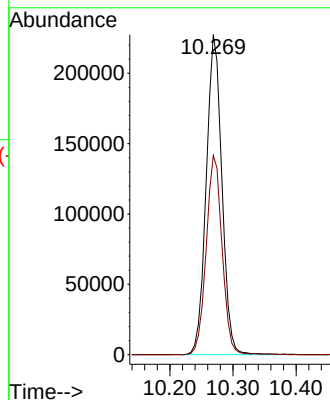
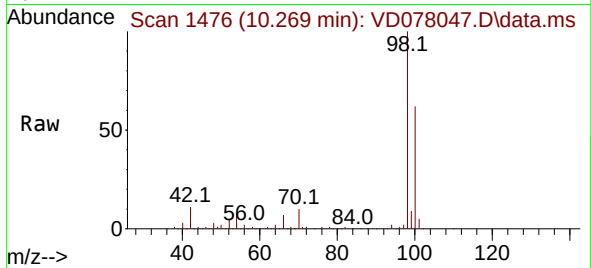




#50
Toluene-d8
Concen: 46.781 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

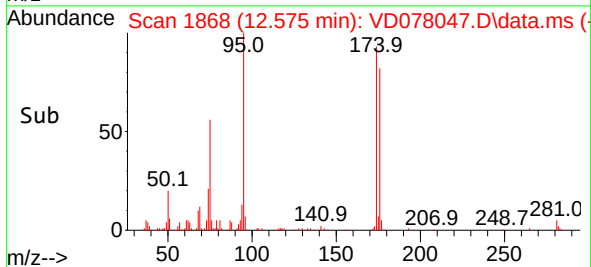
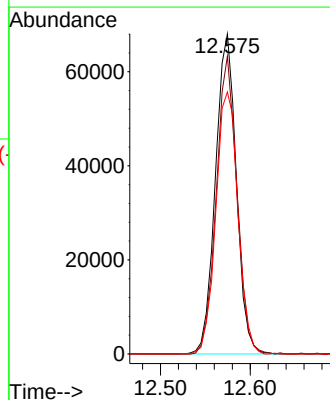
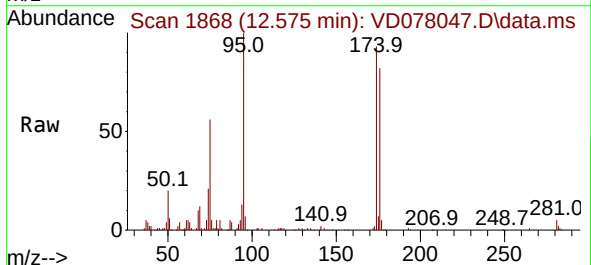
Instrument :
MSVOA_D
ClientSampleId :
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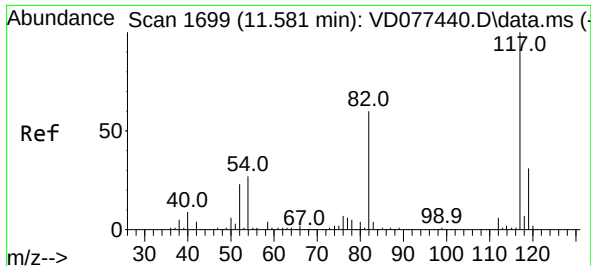
Tgt Ion: 98 Resp: 392459
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.776 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

Tgt Ion: 95 Resp: 109798
Ion Ratio Lower Upper
95 100
174 91.9 0.0 201.8
176 86.5 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078047.D

Acq: 22 Dec 2023 02:58

Instrument :

MSVOA_D

ClientSampleId :

COM48

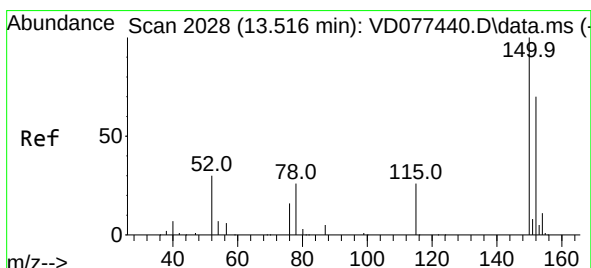
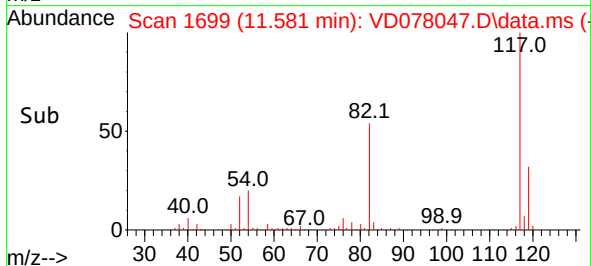
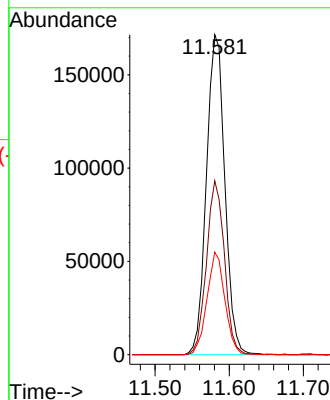
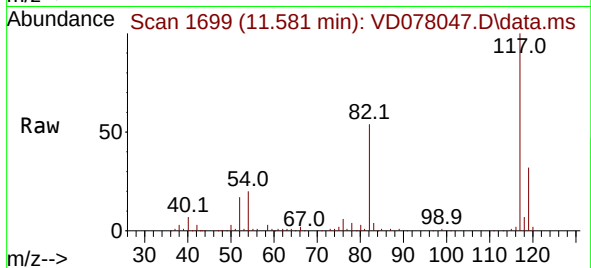
Tgt Ion:117 Resp: 296312

Ion Ratio Lower Upper

117 100

82 54.3 38.3 57.5

119 32.0 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: VD078047.D

Acq: 22 Dec 2023 02:58

Tgt Ion:152 Resp: 128175

Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.3

150 158.5 0.0 353.6

