

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078017.D
 Acq On : 21 Dec 2023 03:07
 Operator : RP/MD
 Sample : 05876-07
 Misc : 5.23G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COLX1

Quant Time: Dec 21 05:35:03 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	169230	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	303882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	120750	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76016	38.120	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.240%
35) Dibromofluoromethane	7.810	113	91756	43.107	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.220%
50) Toluene-d8	10.269	98	386227	45.304	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.600%
62) 4-Bromofluorobenzene	12.575	95	108519	42.576	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.160%

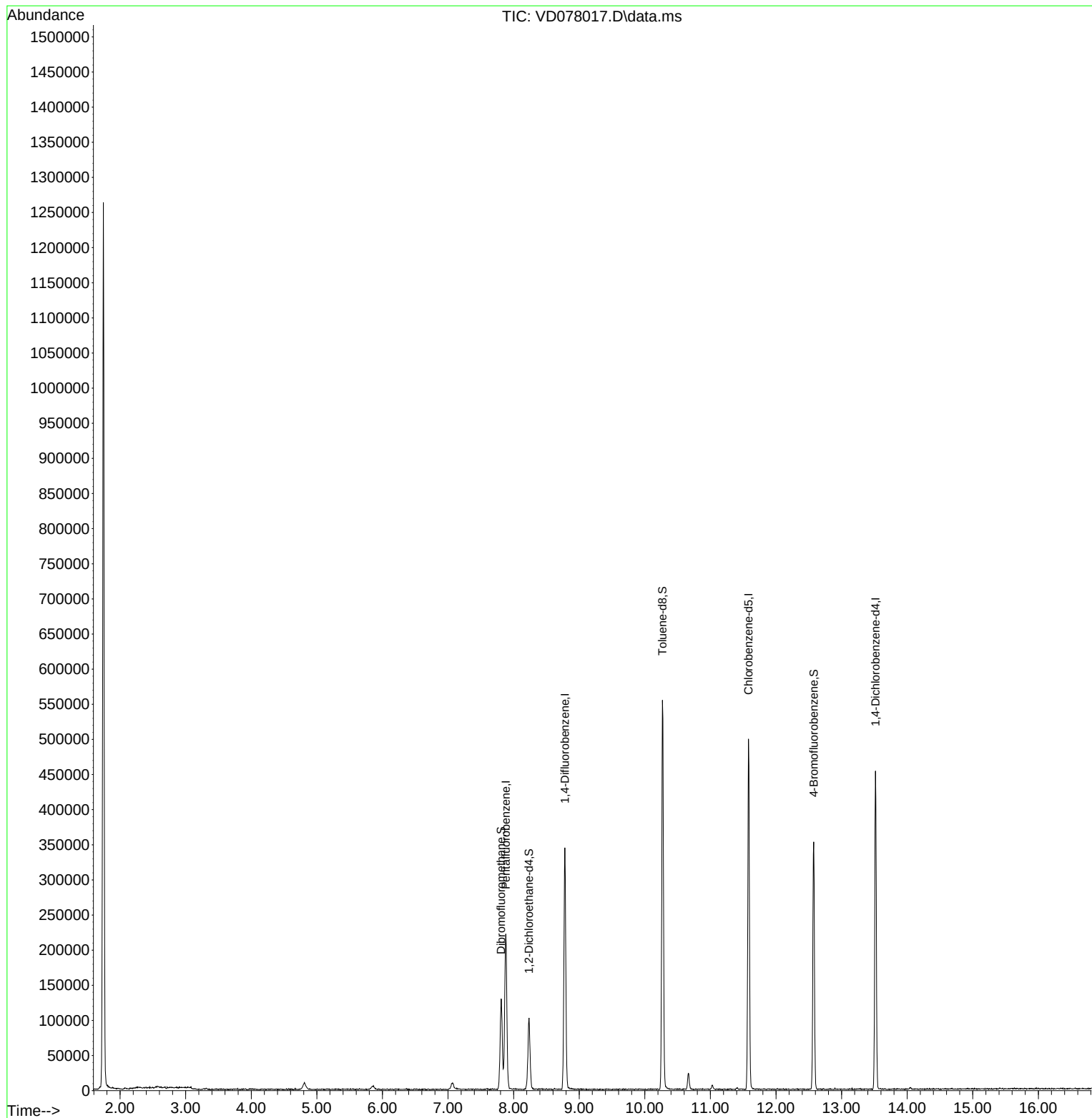
Target Compounds	Qvalue

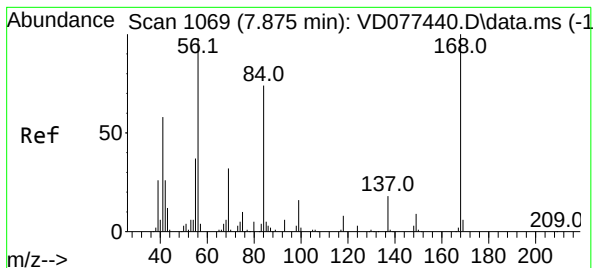
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD078017.D

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Instrument :

MSVOA_D

ClientSampleId :

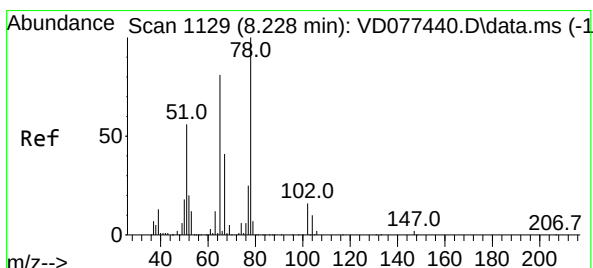
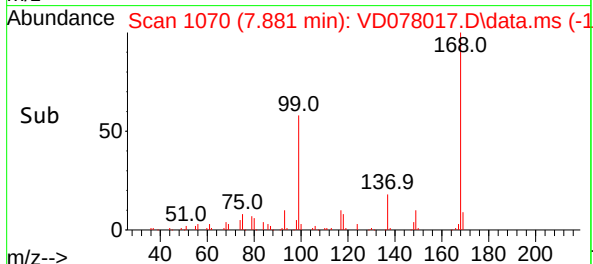
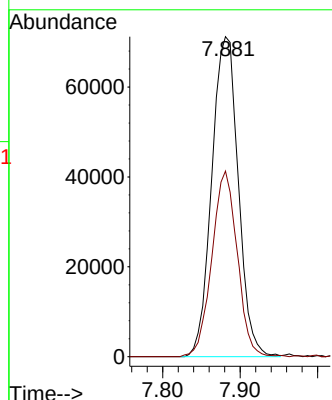
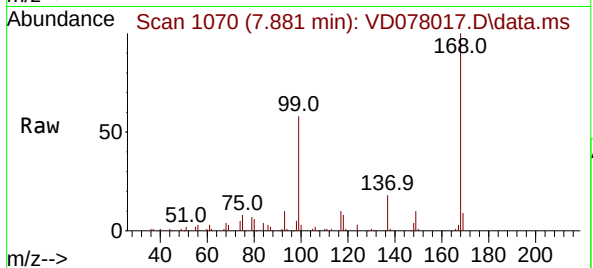
C0LX1

Tgt Ion:168 Resp: 169230

Ion Ratio Lower Upper

168 100

99 58.0 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 38.120 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD078017.D

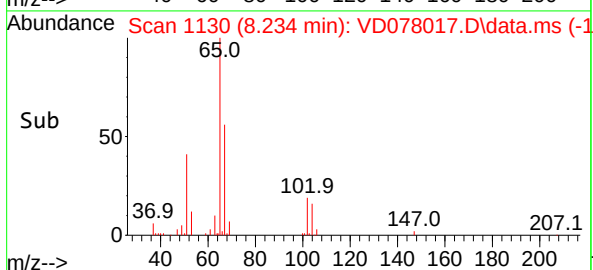
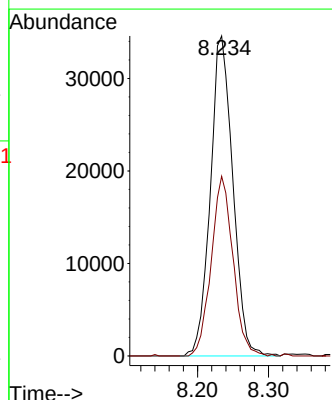
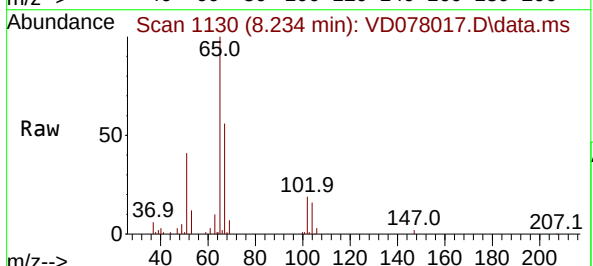
Acq: 21 Dec 2023 03:07

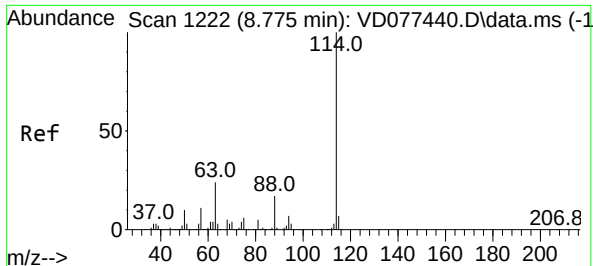
Tgt Ion: 65 Resp: 76016

Ion Ratio Lower Upper

65 100

67 54.4 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: VD078017.D

Acq: 21 Dec 2023 03:07

Instrument :

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ClientSampleId :

COLX1

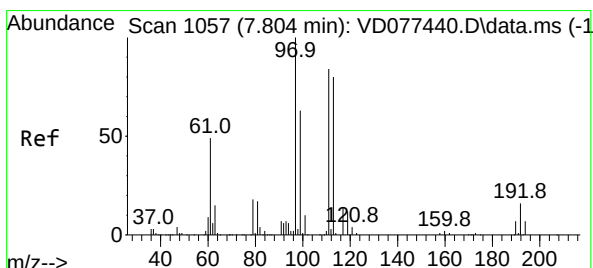
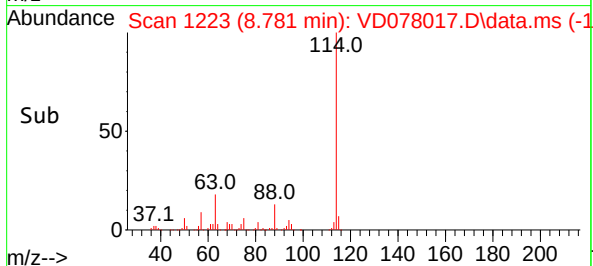
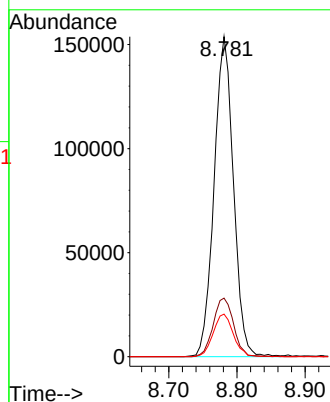
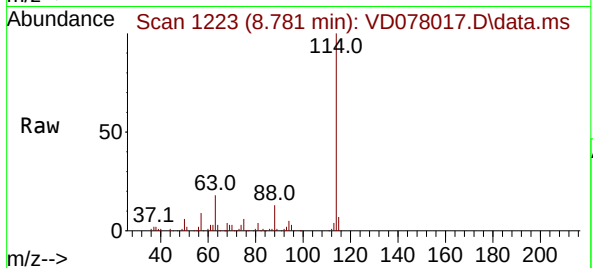
Tgt Ion:114 Resp: 303882

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.107 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078017.D

Acq: 21 Dec 2023 03:07

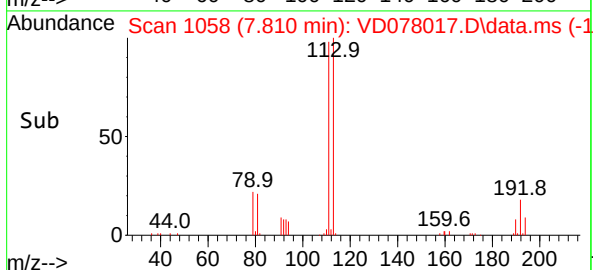
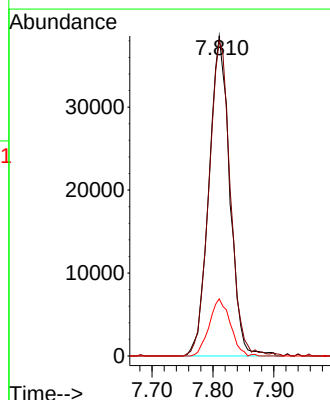
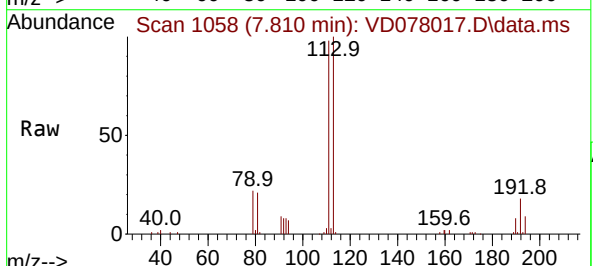
Tgt Ion:113 Resp: 91756

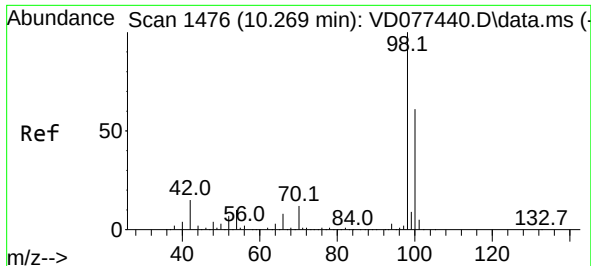
Ion Ratio Lower Upper

113 100

111 100.7 84.7 127.1

192 18.0 16.8 25.2

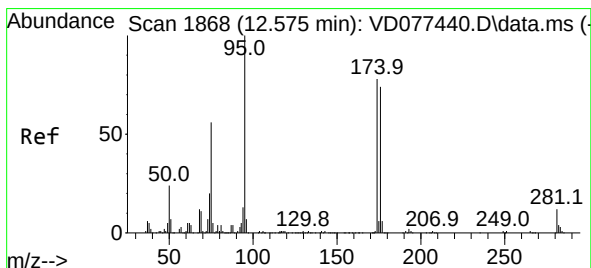
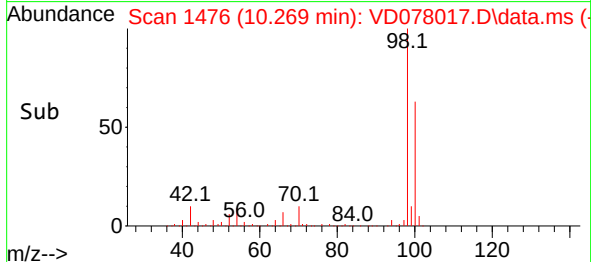
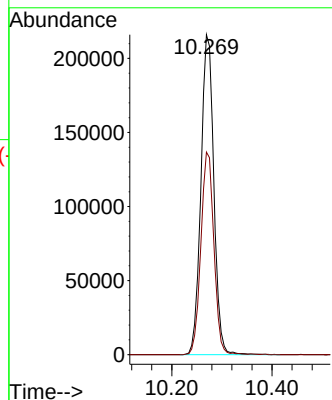
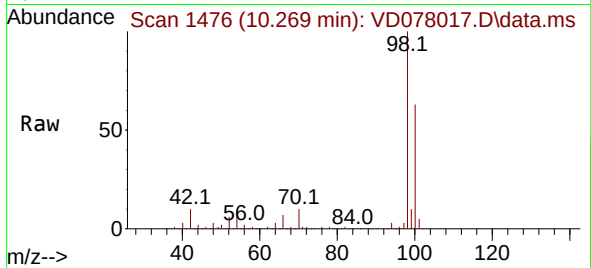




#50
Toluene-d8
Concen: 45.304 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

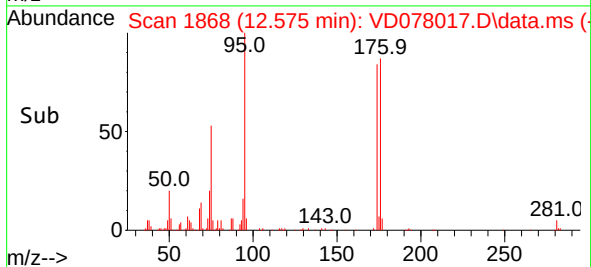
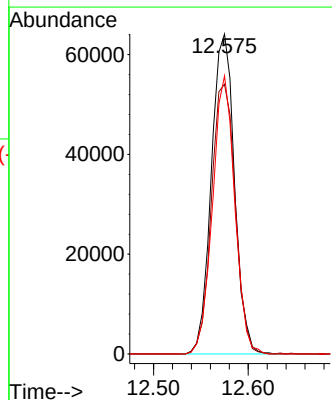
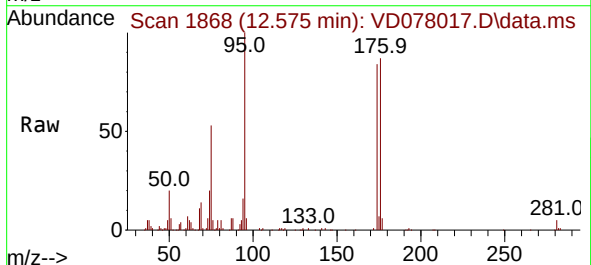
Instrument :
MSVOA_D
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COLX1

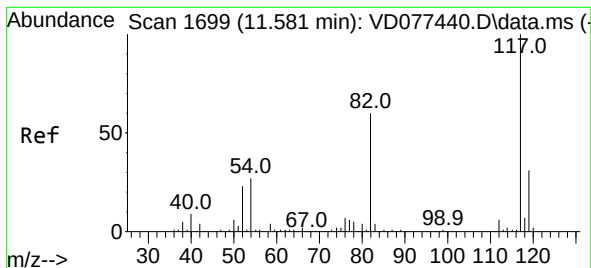
Tgt Ion: 98 Resp: 386227
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.576 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

Tgt Ion: 95 Resp: 108519
Ion Ratio Lower Upper
95 100
174 87.4 0.0 201.8
176 83.8 0.0 191.8

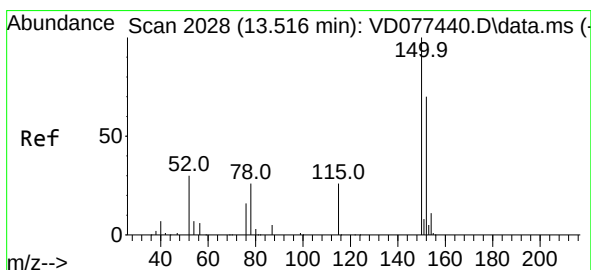
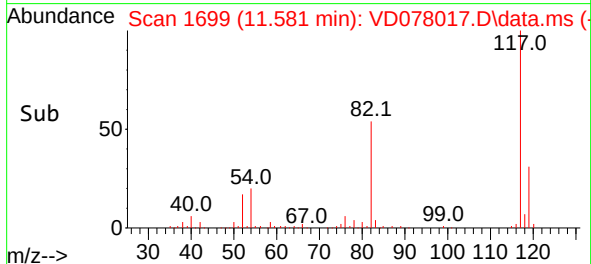
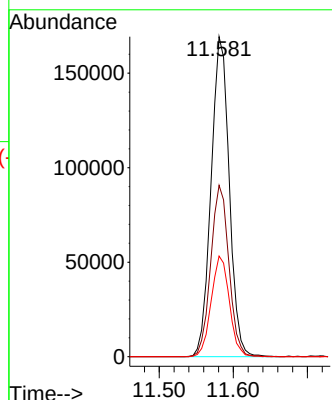
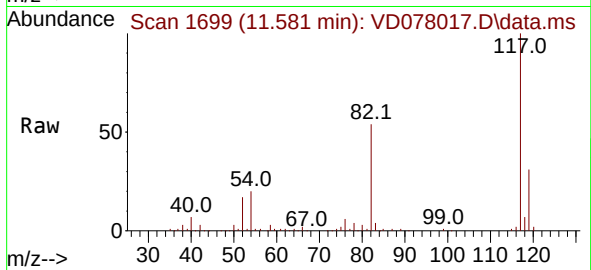




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

Instrument :
MSVOA_D
ClientSampleId :
COLX1

Tgt Ion:117 Resp: 287578
Ion Ratio Lower Upper
117 100
82 53.5 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: VD078017.D
Acq: 21 Dec 2023 03:07

Tgt Ion:152 Resp: 120750
Ion Ratio Lower Upper
152 100
115 57.5 27.1 81.3
150 158.6 0.0 353.6

