

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012324\
 Data File : VD078212.D
 Acq On : 23 Jan 2024 17:02
 Operator : RP/MD
 Sample : P1233-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 69-TP-1

Quant Time: Jan 24 00:23:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:43:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	64653	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	141119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	149152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	66077	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	47819	64.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.580%
35) Dibromofluoromethane	7.810	113	49867	53.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.380%
50) Toluene-d8	10.275	98	181844	49.447	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.900%
62) 4-Bromofluorobenzene	12.575	95	61177	57.363	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	114.720%

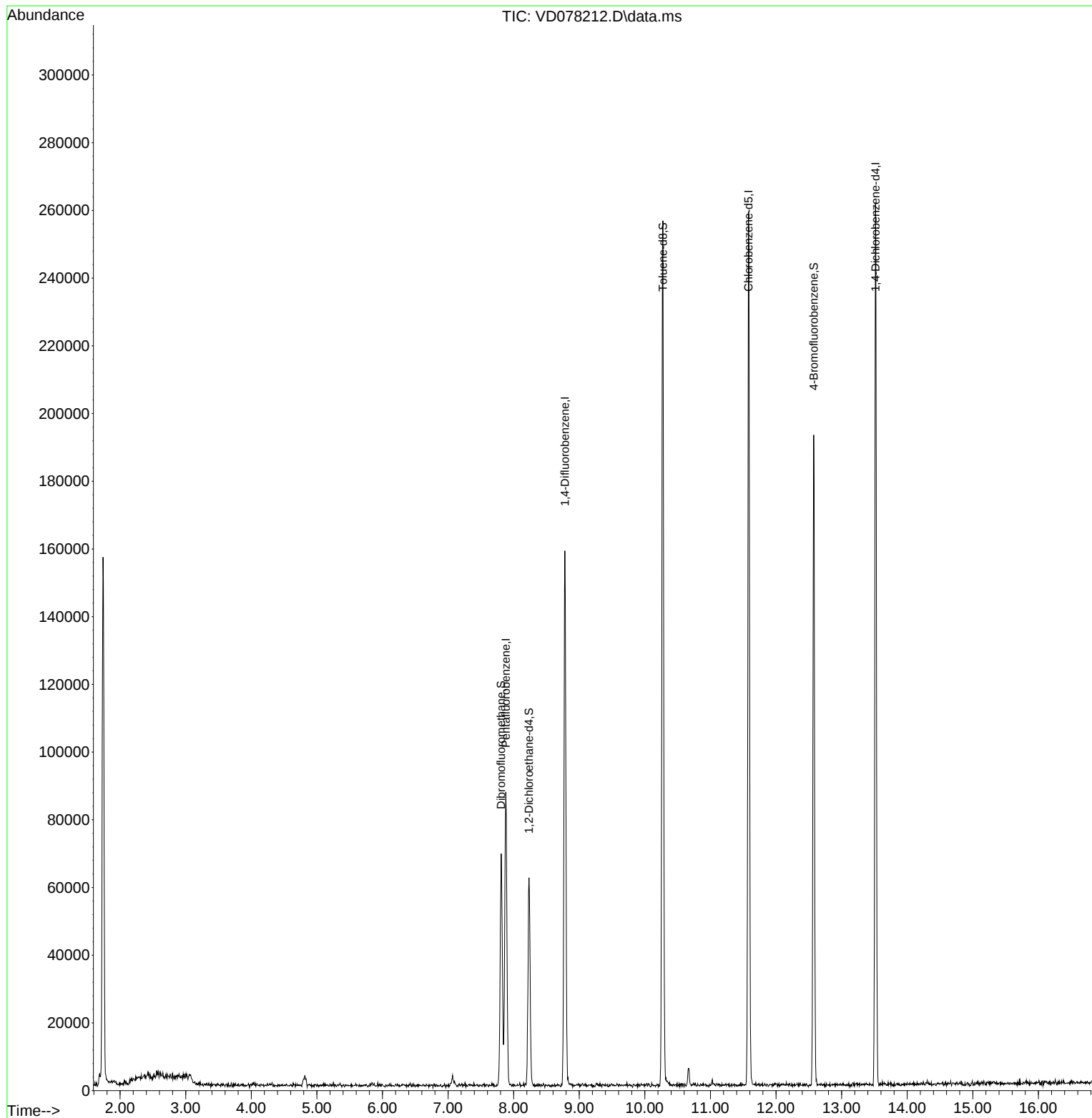
Target Compounds	Qvalue

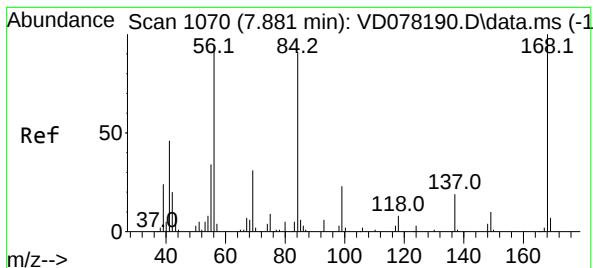
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VD078212.D

Acq: 23 Jan 2024 17:02

Instrument :

MSVOA_D

ClientSampleId :

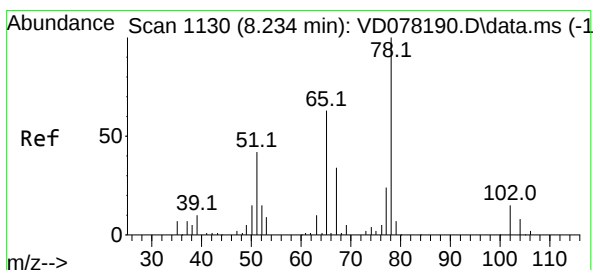
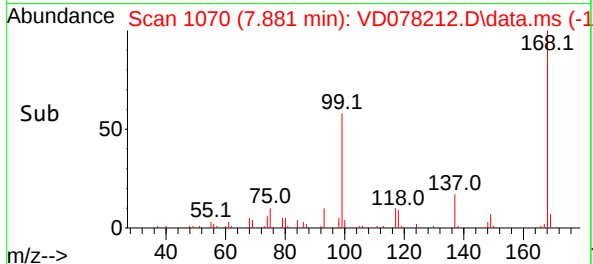
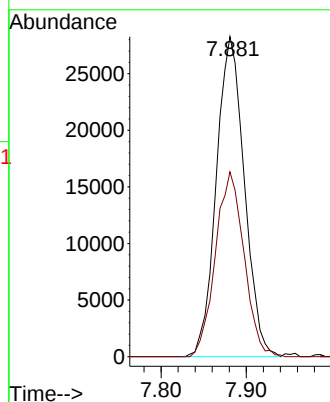
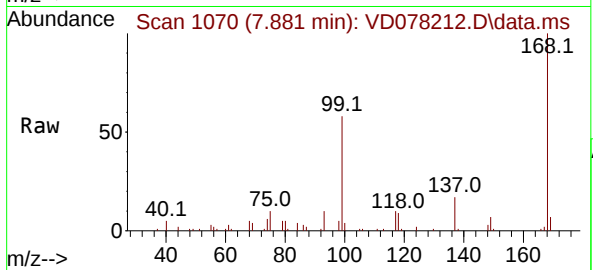
69-TP-1

Tgt Ion:168 Resp: 64653

Ion Ratio Lower Upper

168 100

99 57.7 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 64.789 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078212.D

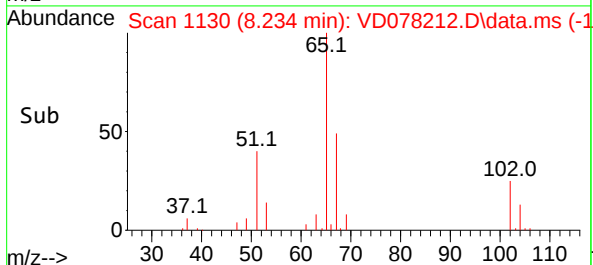
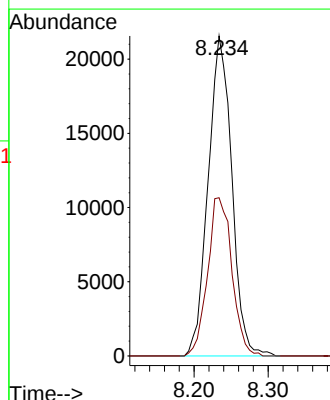
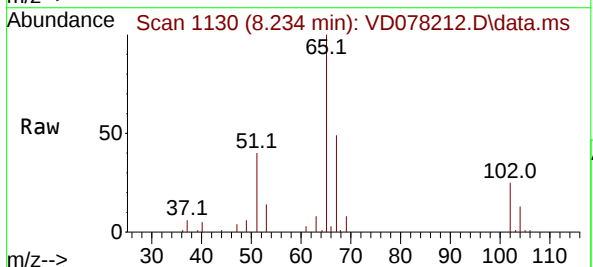
Acq: 23 Jan 2024 17:02

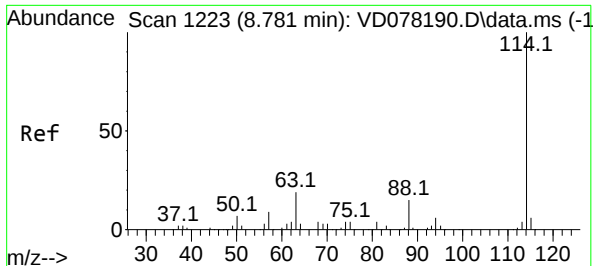
Tgt Ion: 65 Resp: 47819

Ion Ratio Lower Upper

65 100

67 50.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078212.D

Acq: 23 Jan 2024 17:02

Instrument :

MSVOA_D

ClientSampleId :

69-TP-1

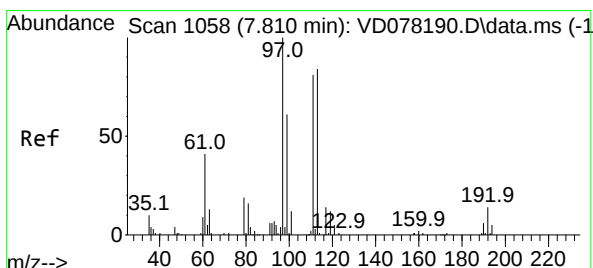
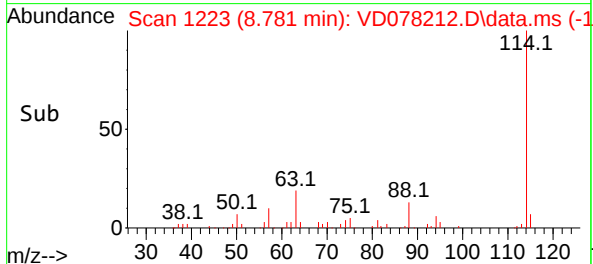
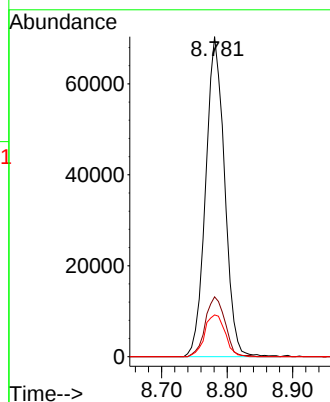
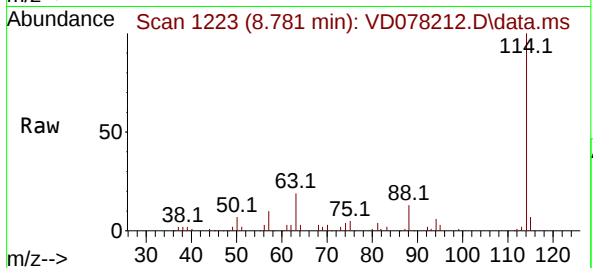
Tgt Ion:114 Resp: 141119

Ion Ratio Lower Upper

114 100

63 18.7 0.0 33.4

88 13.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.692 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078212.D

Acq: 23 Jan 2024 17:02

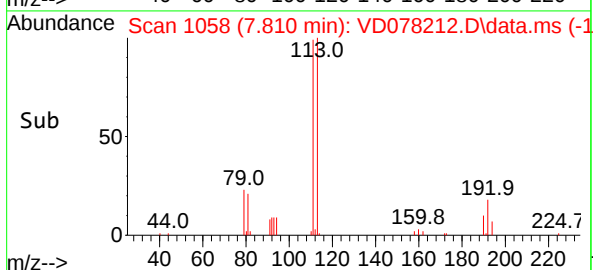
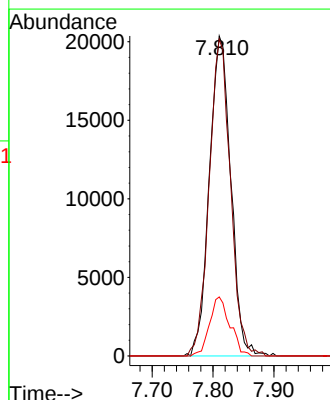
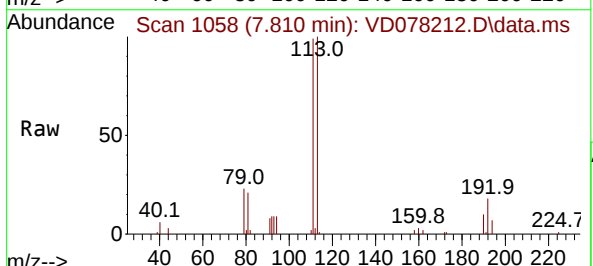
Tgt Ion:113 Resp: 49867

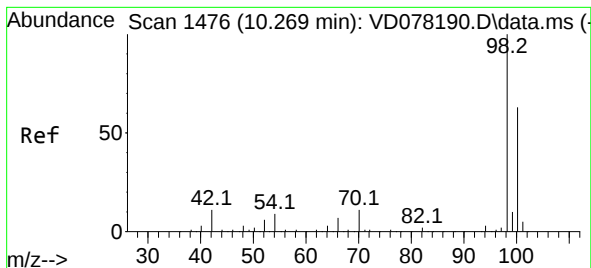
Ion Ratio Lower Upper

113 100

111 98.0 84.7 127.1

192 17.5 16.8 25.2





#50

Toluene-d8

Concen: 49.447 ug/l

RT: 10.275 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD078212.D

Acq: 23 Jan 2024 17:02

Instrument :

MSVOA_D

ClientSampleId :

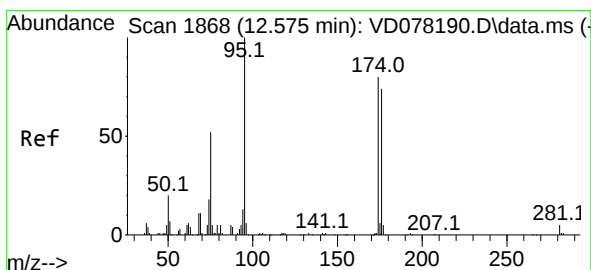
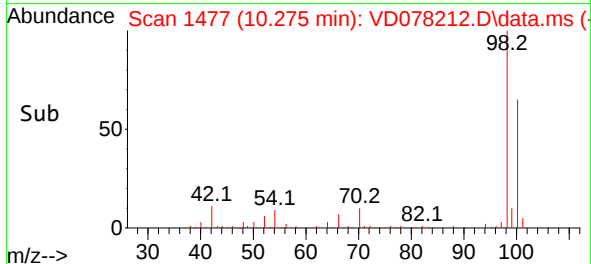
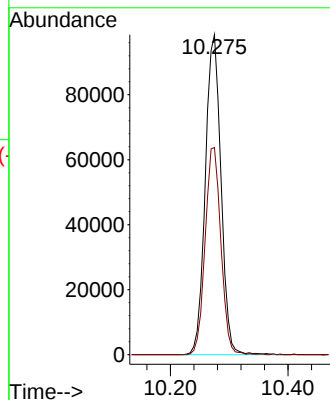
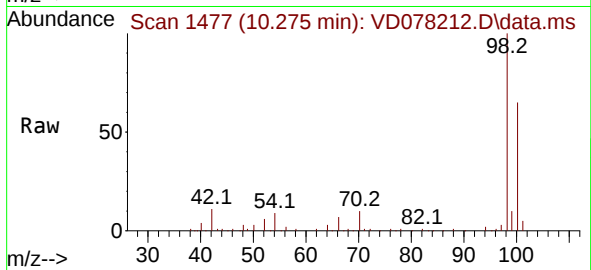
69-TP-1

Tgt Ion: 98 Resp: 181844

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 57.363 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD078212.D

Acq: 23 Jan 2024 17:02

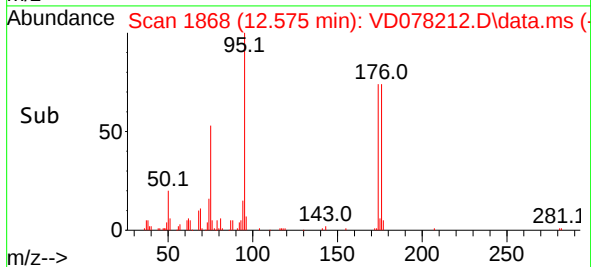
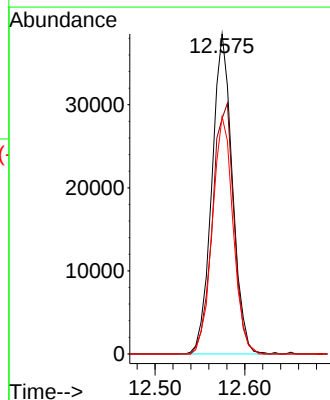
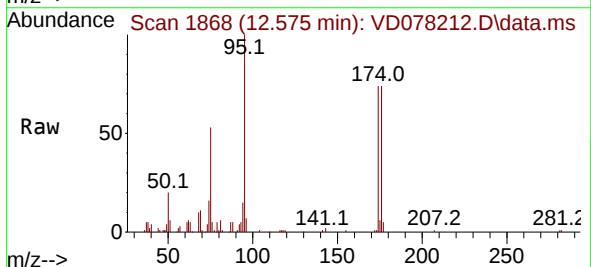
Tgt Ion: 95 Resp: 61177

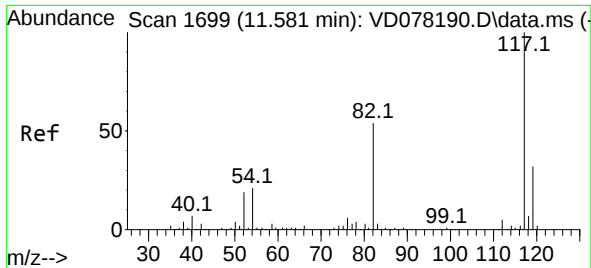
Ion Ratio Lower Upper

95 100

174 81.8 0.0 201.8

176 75.1 0.0 191.8

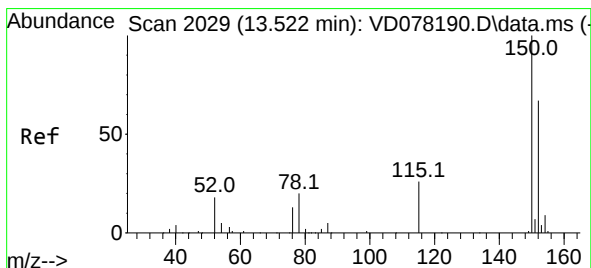
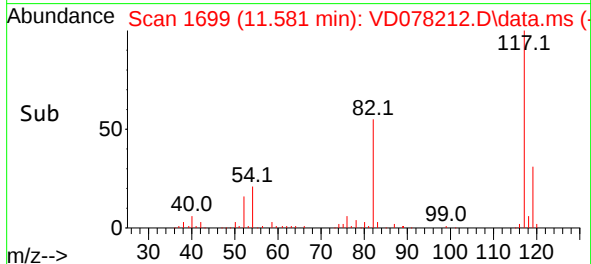
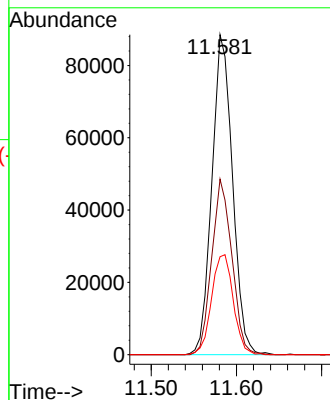
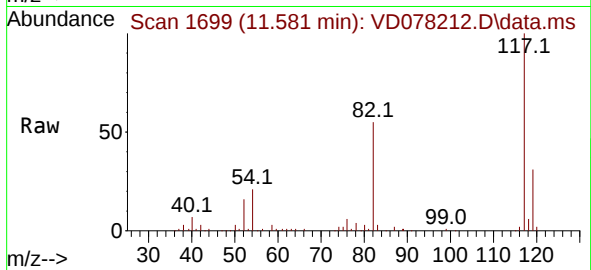




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078212.D
Acq: 23 Jan 2024 17:02

Instrument :
MSVOA_D
ClientSampleId :
69-TP-1

Tgt Ion:117 Resp: 149152
Ion Ratio Lower Upper
117 100
82 54.8 38.3 57.5
119 30.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078212.D
Acq: 23 Jan 2024 17:02

Tgt Ion:152 Resp: 66077
Ion Ratio Lower Upper
152 100
115 59.3 27.1 81.3
150 158.7 0.0 353.6

