

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031824\
 Data File : VD078690.D
 Acq On : 18 Mar 2024 11:58
 Operator : RP/MD
 Sample : VD0318SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBL01

Quant Time: Mar 19 01:24:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	109371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	198956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	77700	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	60648	59.170	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.340%
35) Dibromofluoromethane	7.811	113	66847	52.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.360%
50) Toluene-d8	10.269	98	238490	50.624	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.575	95	63263	45.901	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.800%

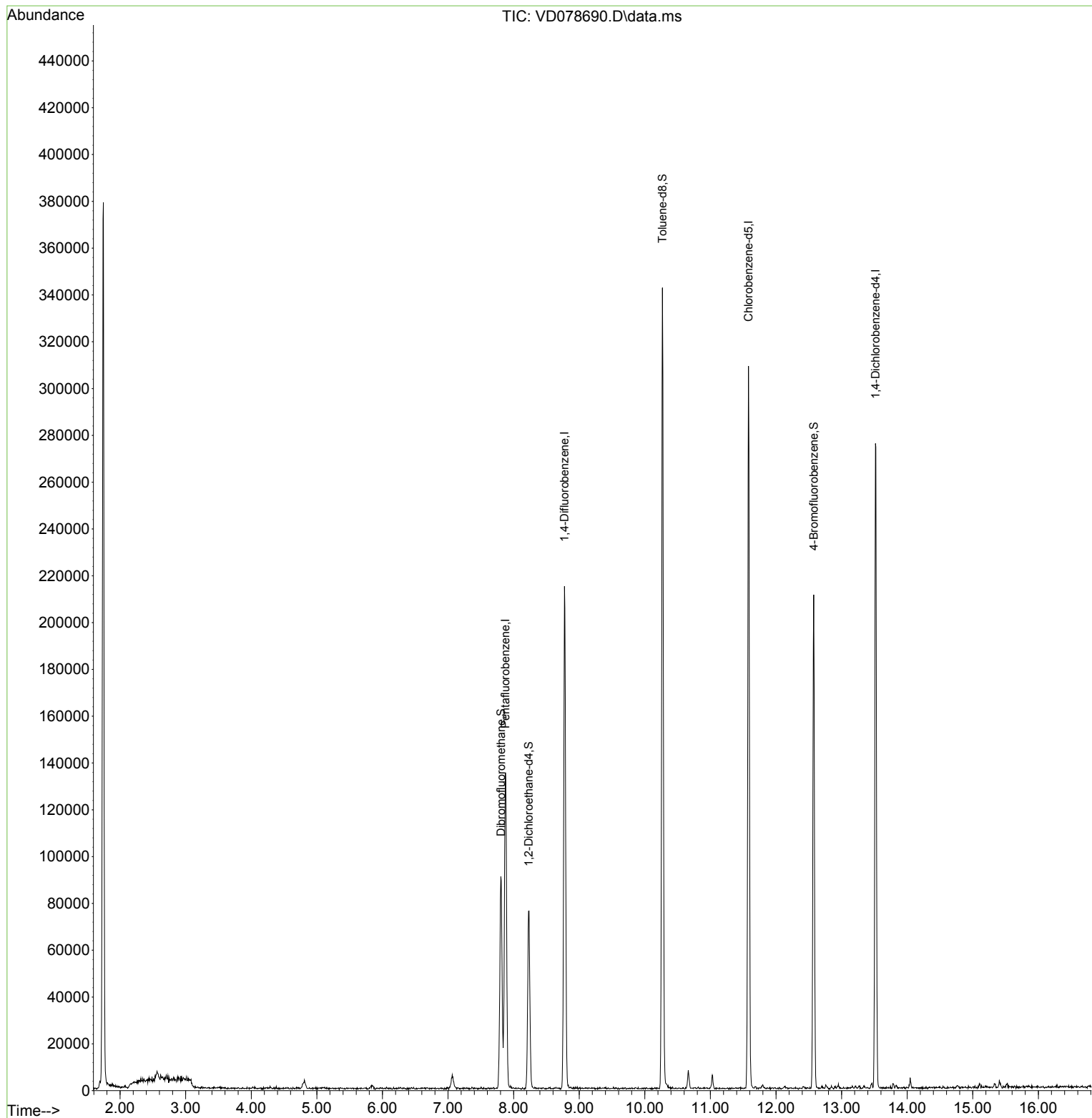
Target Compounds	Qvalue

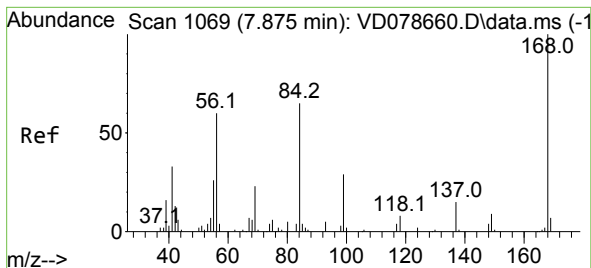
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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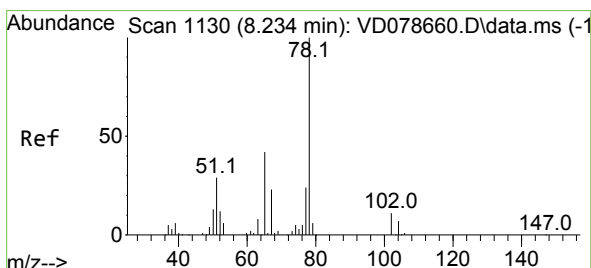
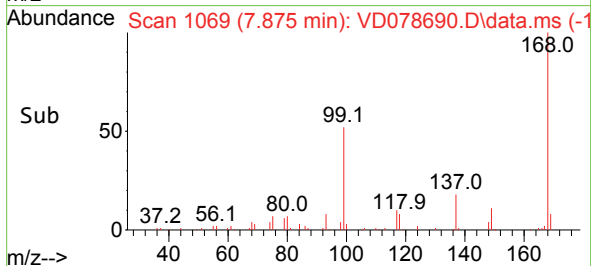
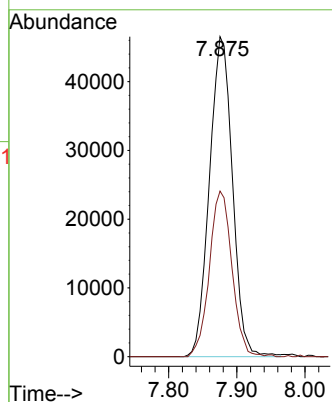
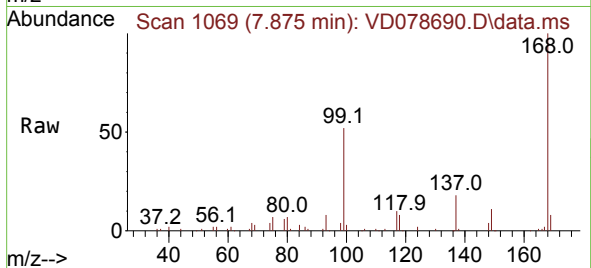




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078690.D
Acq: 18 Mar 2024 11:58

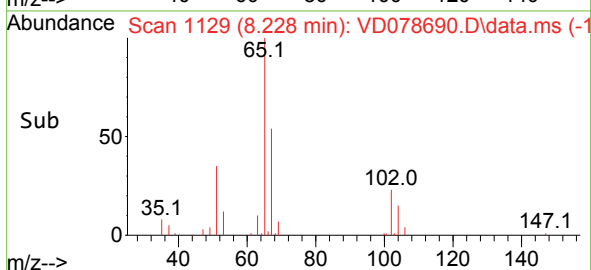
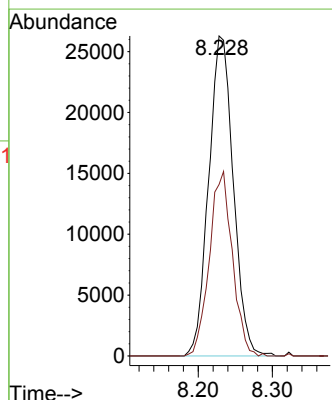
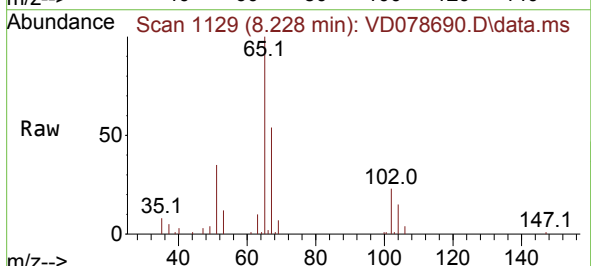
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBL01

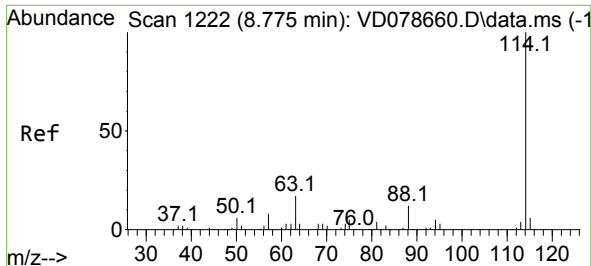
Tgt Ion:168 Resp: 109371
Ion Ratio Lower Upper
168 100
99 51.8 38.8 58.2



#33
1,2-Dichloroethane-d4
Concen: 59.170 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078690.D
Acq: 18 Mar 2024 11:58

Tgt Ion: 65 Resp: 60648
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078690.D

Acq: 18 Mar 2024 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBL01

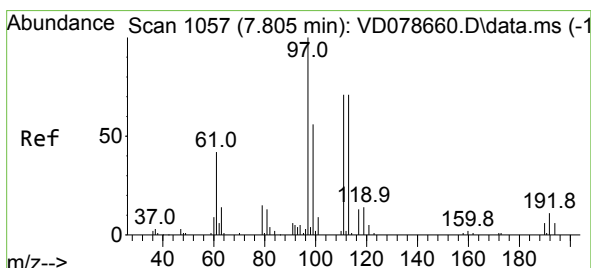
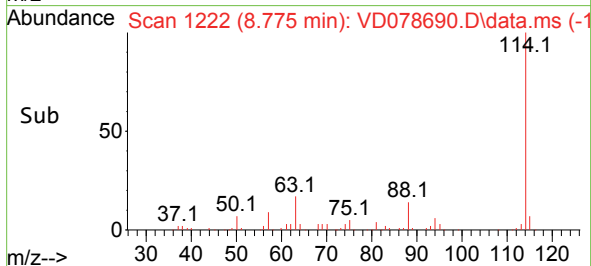
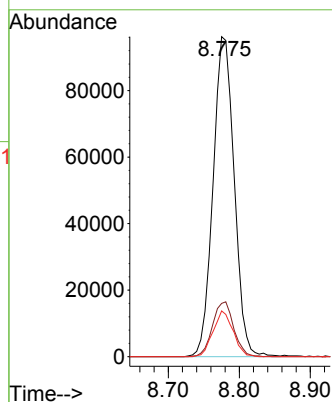
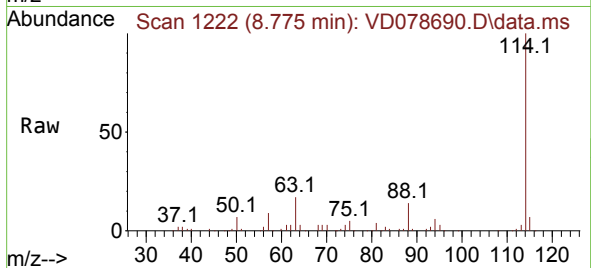
Tgt Ion:114 Resp: 198956

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 14.3 0.0 24.6



#35

Dibromofluoromethane

Concen: 52.184 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078690.D

Acq: 18 Mar 2024 11:58

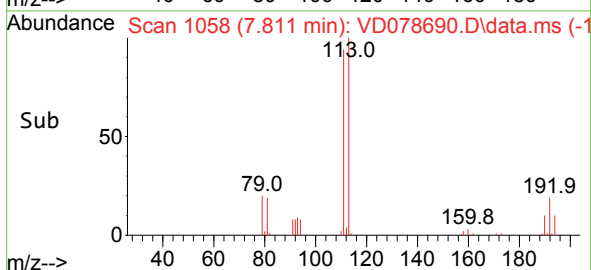
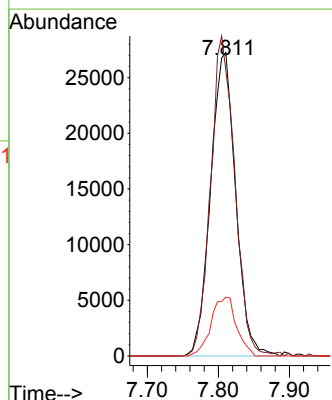
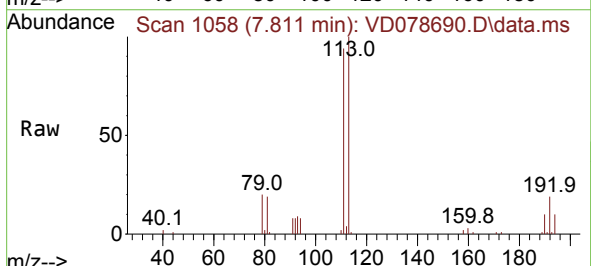
Tgt Ion:113 Resp: 66847

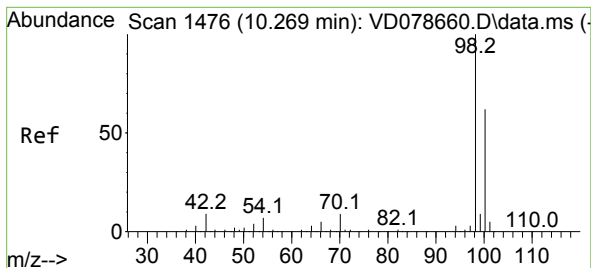
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 19.6 15.4 23.0





#50

Toluene-d8

Concen: 50.624 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078690.D

Acq: 18 Mar 2024 11:58

Instrument :

MSVOA_D

ClientSampleId :

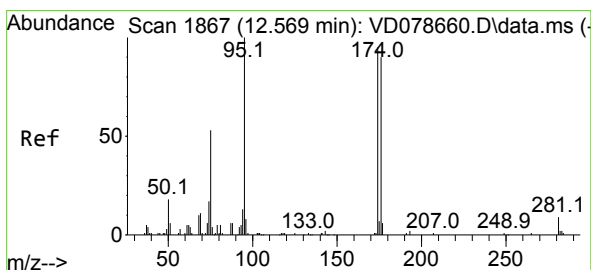
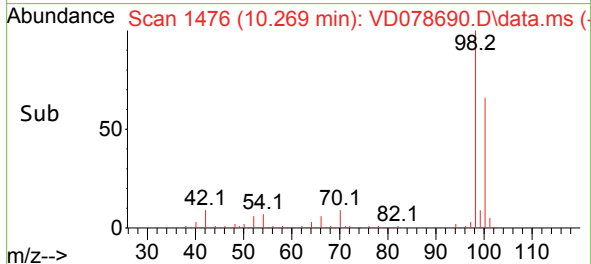
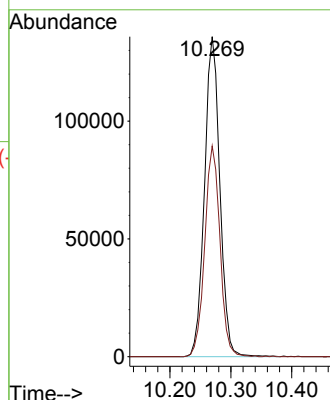
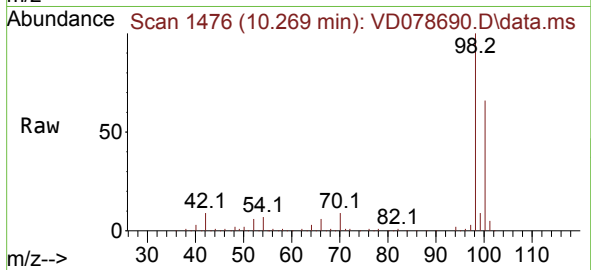
VD0318SBL01

Tgt Ion: 98 Resp: 238490

Ion Ratio Lower Upper

98 100

100 65.3 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 45.901 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD078690.D

Acq: 18 Mar 2024 11:58

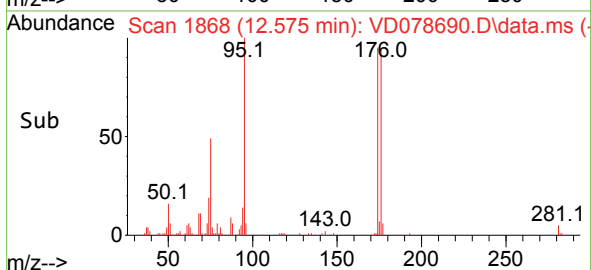
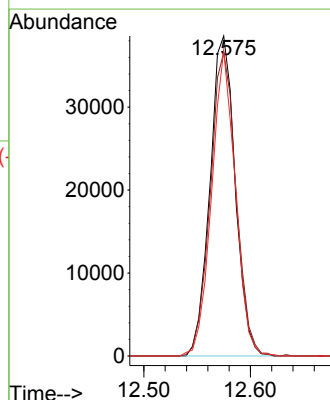
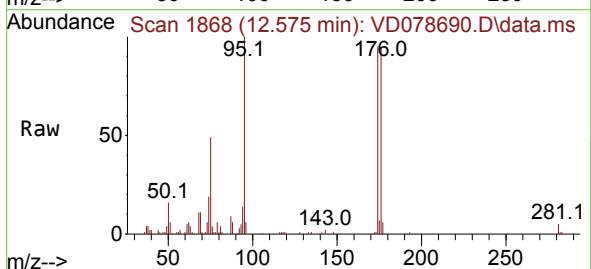
Tgt Ion: 95 Resp: 63263

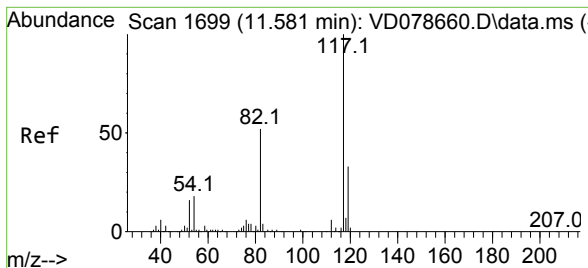
Ion Ratio Lower Upper

95 100

174 96.9 0.0 195.2

176 89.9 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078690.D

Acq: 18 Mar 2024 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBL01

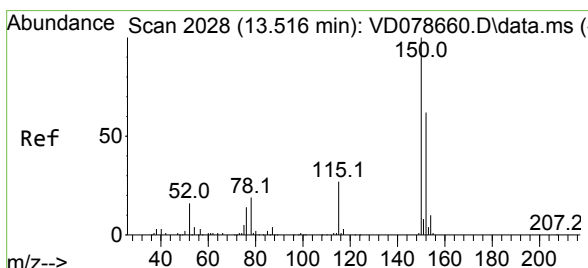
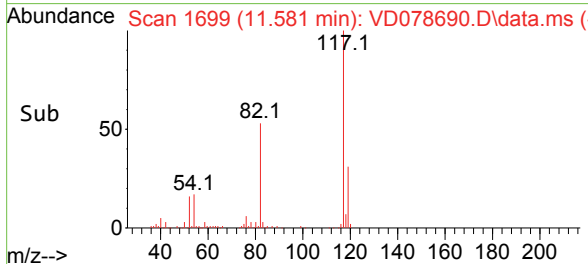
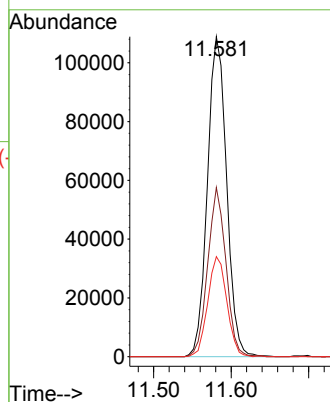
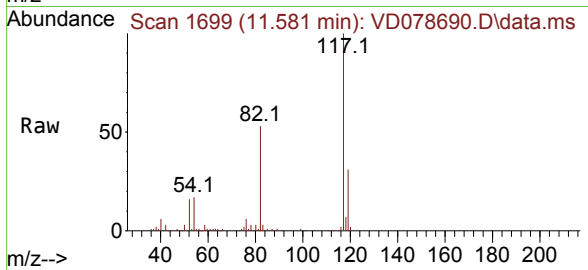
Tgt Ion:117 Resp: 187158

Ion Ratio Lower Upper

117 100

82 52.9 41.4 62.2

119 31.2 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078690.D

Acq: 18 Mar 2024 11:58

Tgt Ion:152 Resp: 77700

Ion Ratio Lower Upper

152 100

115 54.5 27.1 81.2

150 160.7 0.0 350.2

