

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076854.D
 Acq On : 28 Jul 2023 14:55
 Operator : KP/SY
 Sample : 03810-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P3A

Quant Time: Jul 28 23:04:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	188950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	356649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	333309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141006	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96311	51.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.340%
35) Dibromofluoromethane	7.804	113	113976	50.855	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.700%
50) Toluene-d8	10.269	98	440017	54.881	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.760%
62) 4-Bromofluorobenzene	12.575	95	126402	48.734	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.460%

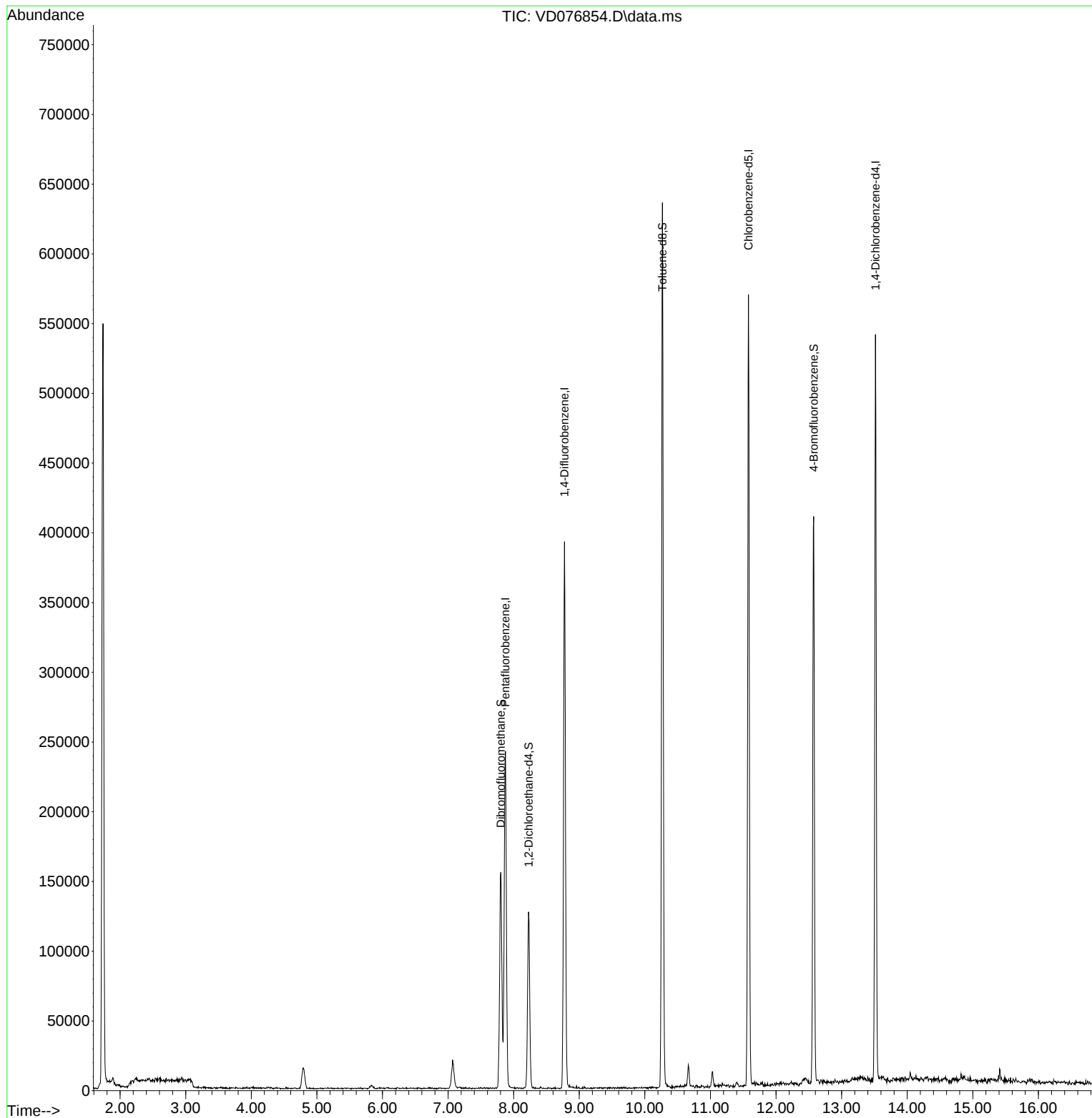
Target Compounds	Qvalue

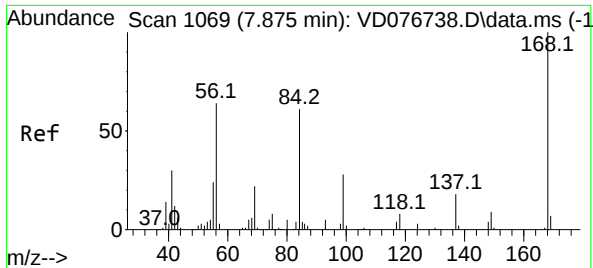
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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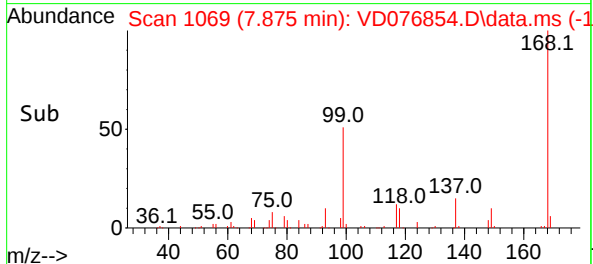
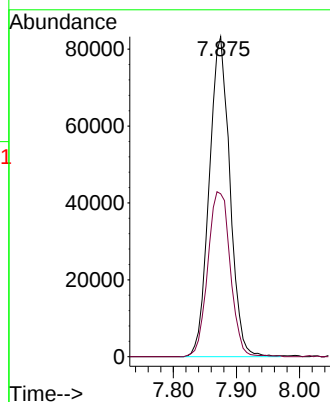
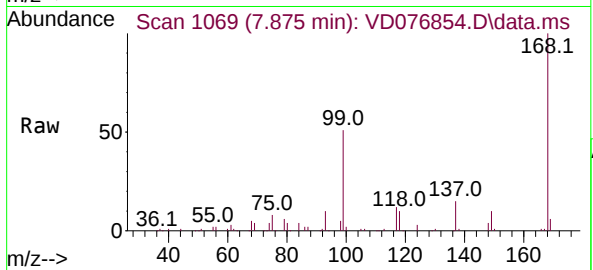




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076854.D
Acq: 28 Jul 2023 14:55

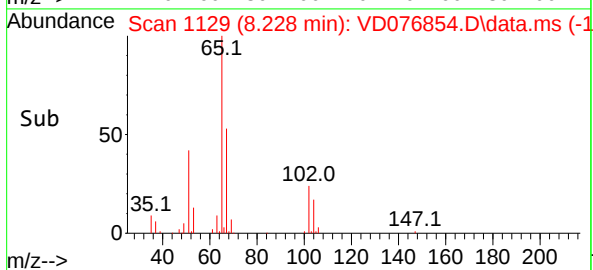
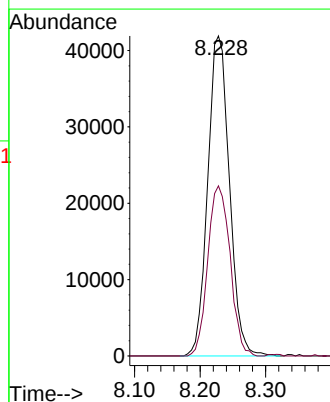
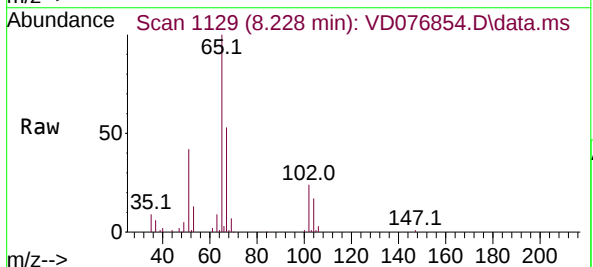
Instrument :
MSVOA_D
ClientSampleId :
B-P3A

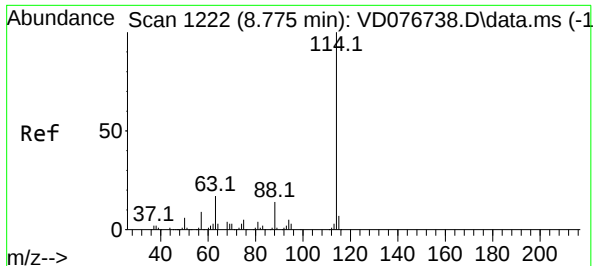
Tgt Ion:168 Resp: 188950
Ion Ratio Lower Upper
168 100
99 50.9 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 51.175 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076854.D
Acq: 28 Jul 2023 14:55

Tgt Ion: 65 Resp: 96311
Ion Ratio Lower Upper
65 100
67 54.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076854.D

Acq: 28 Jul 2023 14:55

Instrument :

MSVOA_D

ClientSampleId :

B-P3A

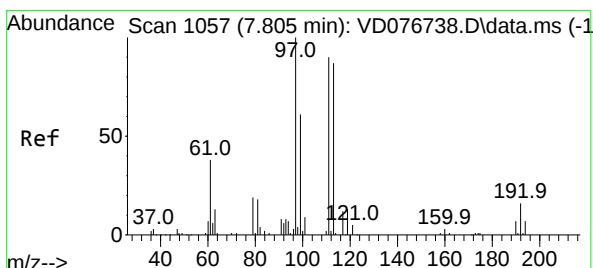
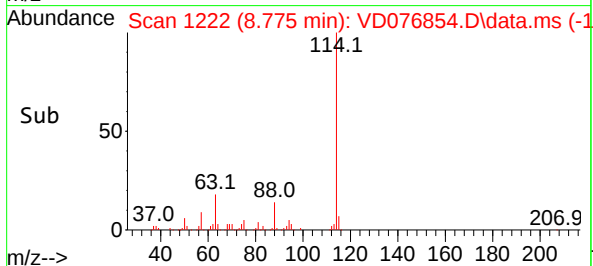
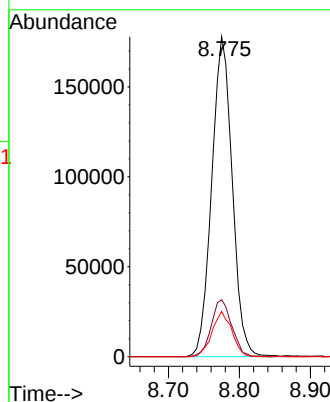
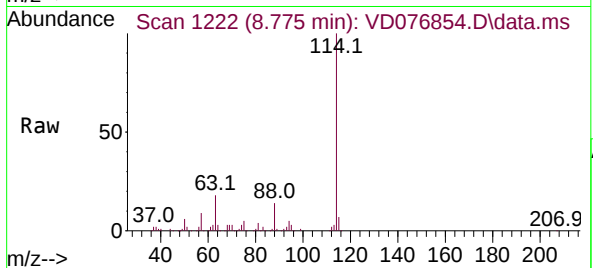
Tgt Ion:114 Resp: 356649

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.855 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076854.D

Acq: 28 Jul 2023 14:55

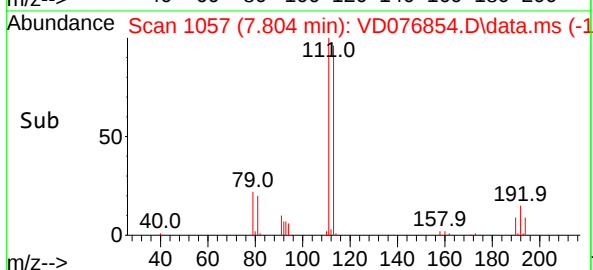
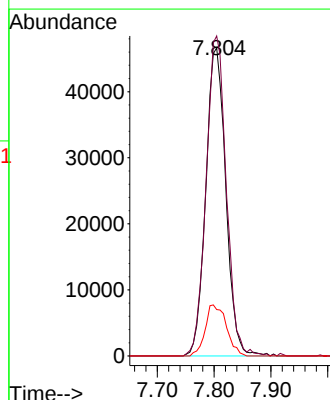
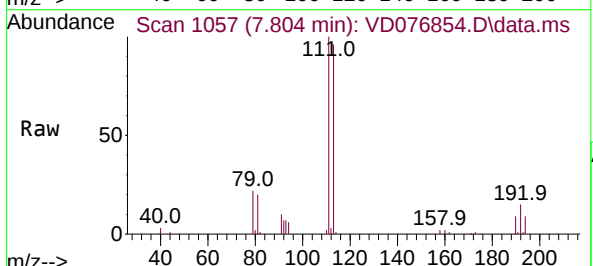
Tgt Ion:113 Resp: 113976

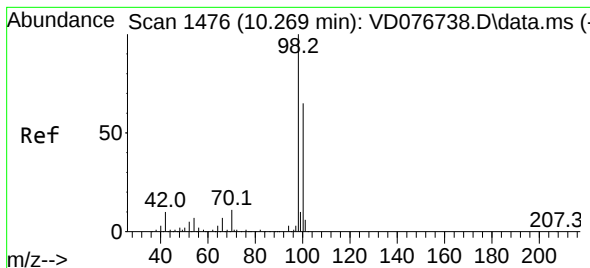
Ion Ratio Lower Upper

113 100

111 104.8 84.7 127.1

192 17.5 16.8 25.2





#50

Toluene-d8

Concen: 54.881 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076854.D

Acq: 28 Jul 2023 14:55

Instrument :

MSVOA_D

ClientSampleId :

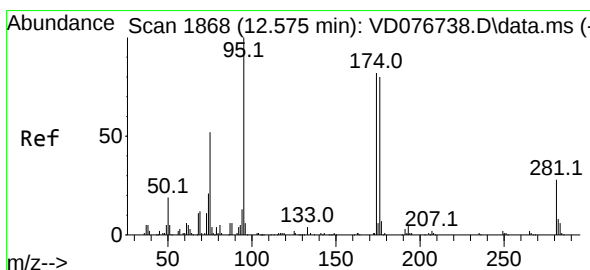
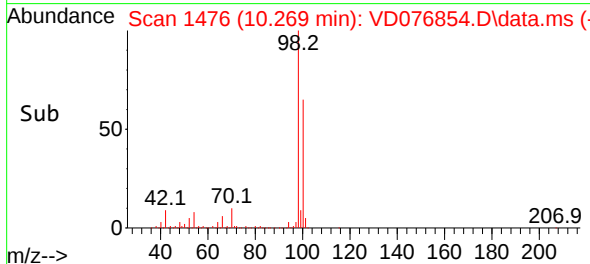
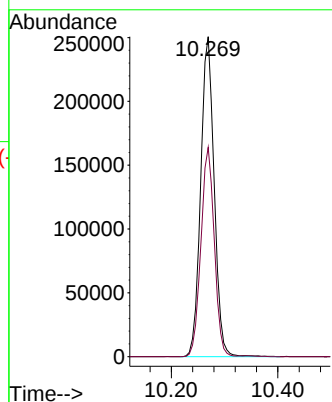
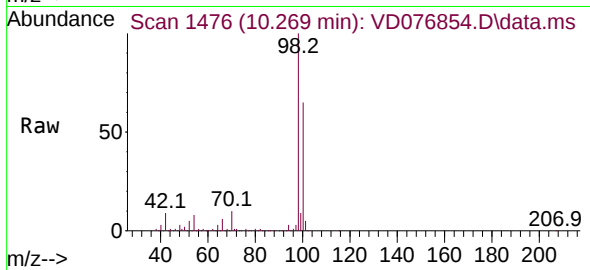
B-P3A

Tgt Ion: 98 Resp: 440017

Ion Ratio Lower Upper

98 100

100 64.9 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 48.734 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076854.D

Acq: 28 Jul 2023 14:55

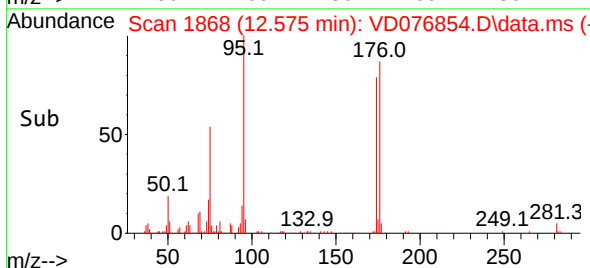
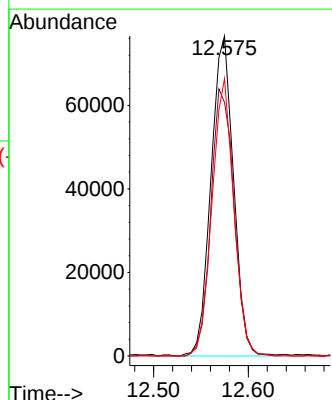
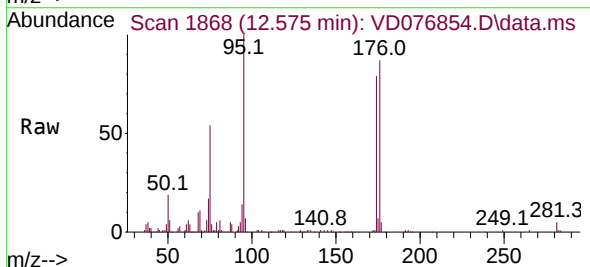
Tgt Ion: 95 Resp: 126402

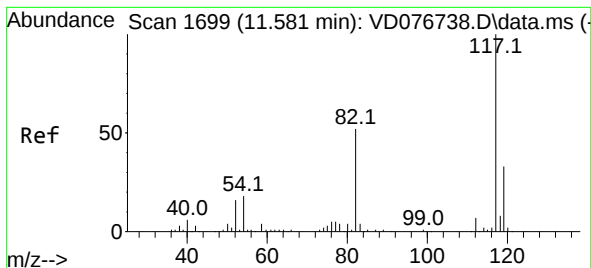
Ion Ratio Lower Upper

95 100

174 85.6 0.0 201.8

176 83.9 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: VD076854.D

Acq: 28 Jul 2023 14:55

Instrument :

MSVOA_D

ClientSampleId :

B-P3A

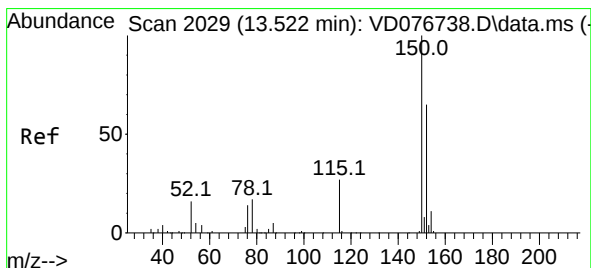
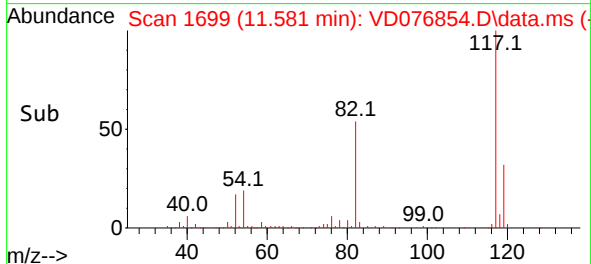
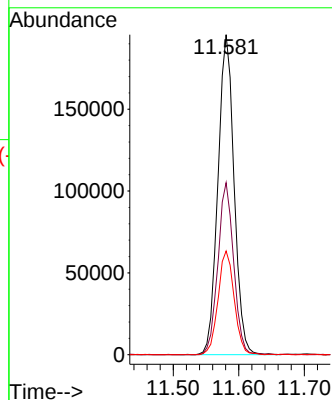
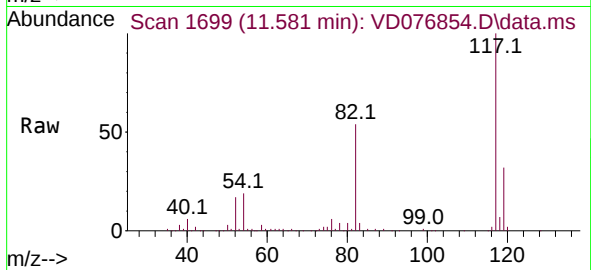
Tgt Ion:117 Resp: 333309

Ion Ratio Lower Upper

117 100

82 53.7 38.3 57.5

119 32.4 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: VD076854.D

Acq: 28 Jul 2023 14:55

Tgt Ion:152 Resp: 141006

Ion Ratio Lower Upper

152 100

115 58.6 27.1 81.3

150 155.1 0.0 353.6

