

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076840.D
 Acq On : 27 Jul 2023 18:06
 Operator : KP/SY
 Sample : 03781-01
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OS-1

Quant Time: Jul 28 03:00:08 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	7.869	168	183515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	367453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	331148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	136098	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	95379	52.181	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.360%
35) Dibromofluoromethane	7.799	113	118599	51.361	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.720%
50) Toluene-d8	10.269	98	441165	53.406	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.820%
62) 4-Bromofluorobenzene	12.575	95	125215	46.857	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.720%

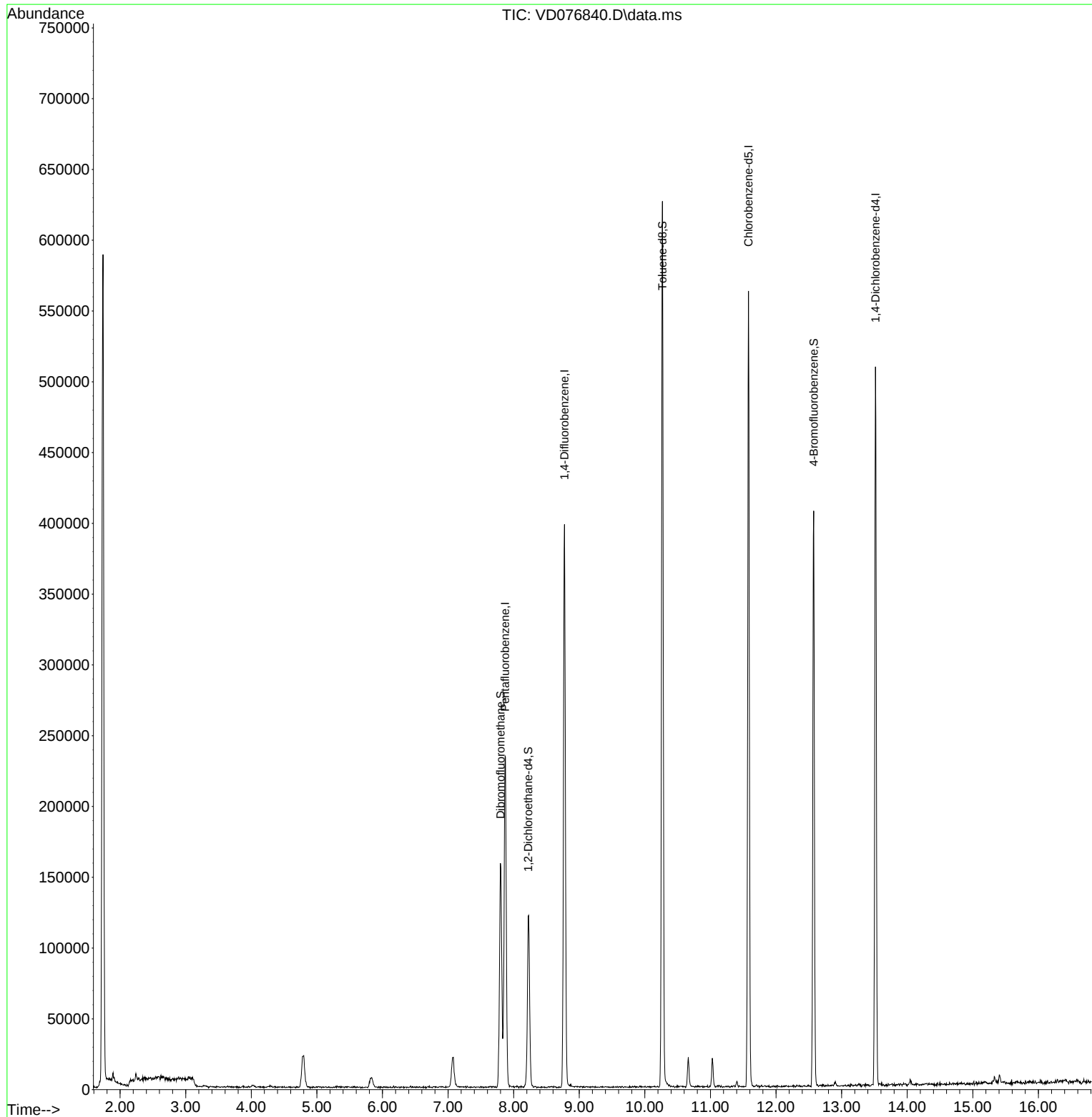
Target Compounds	Qvalue

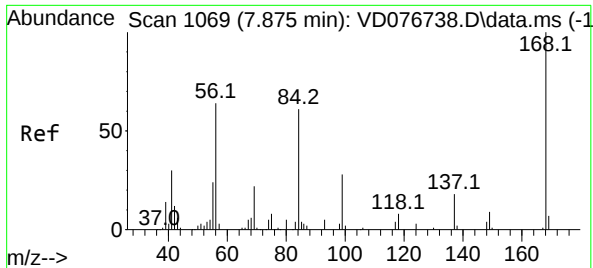
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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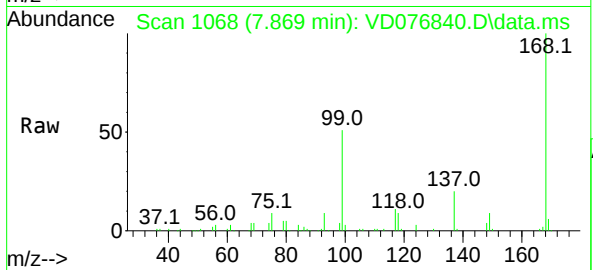
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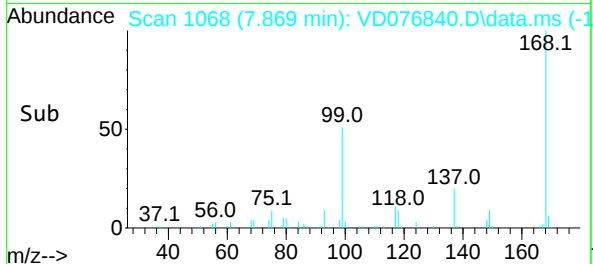
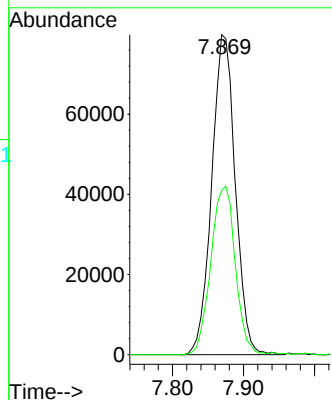


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Instrument :
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ClientSampleId :
OS-1

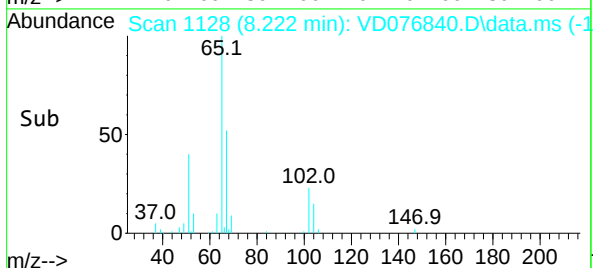
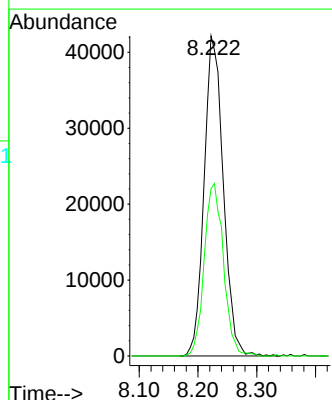
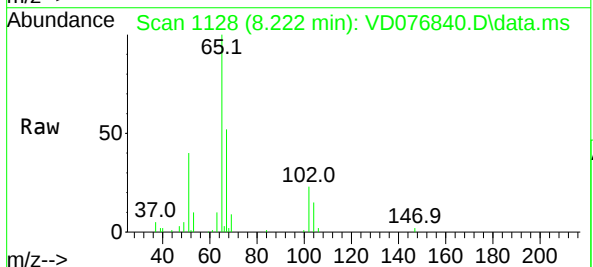


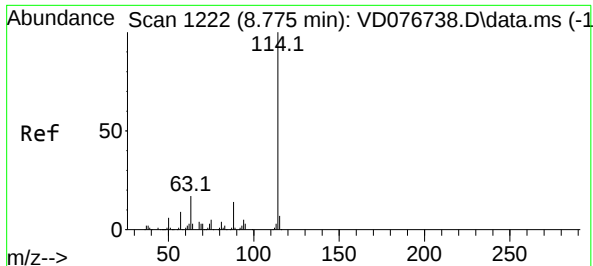
Tgt Ion:168 Resp: 183515
Ion Ratio Lower Upper
168 100
99 51.3 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 52.181 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Tgt Ion: 65 Resp: 95379
Ion Ratio Lower Upper
65 100
67 54.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076840.D

Acq: 27 Jul 2023 18:06

Instrument :

MSVOA_D

ClientSampleId :

OS-1

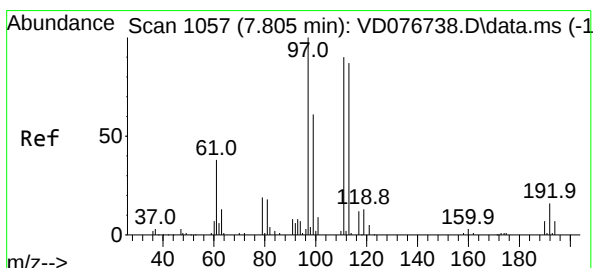
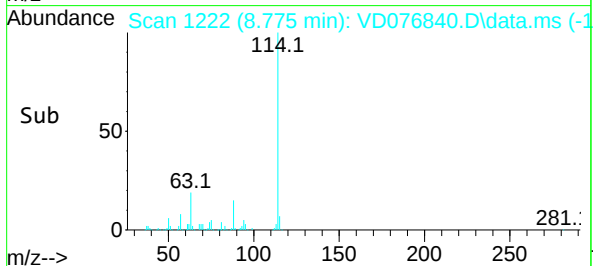
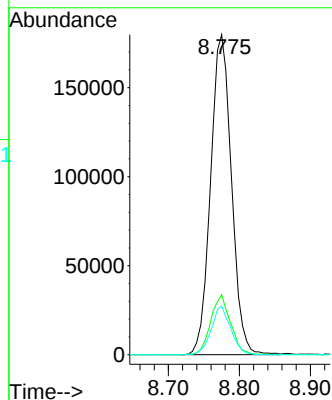
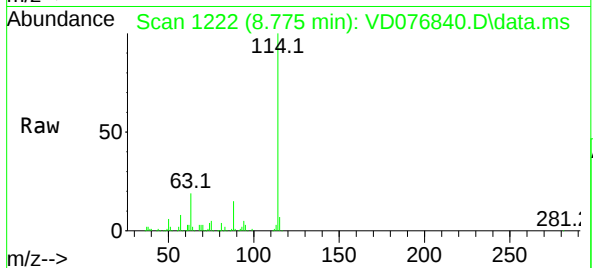
Tgt Ion:114 Resp: 367453

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 15.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.361 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076840.D

Acq: 27 Jul 2023 18:06

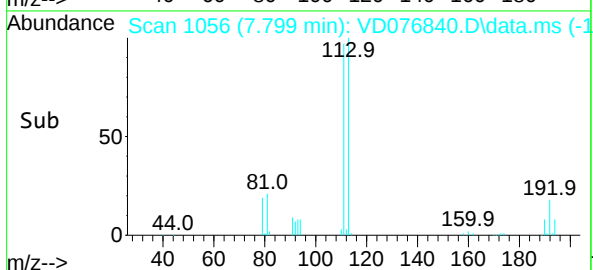
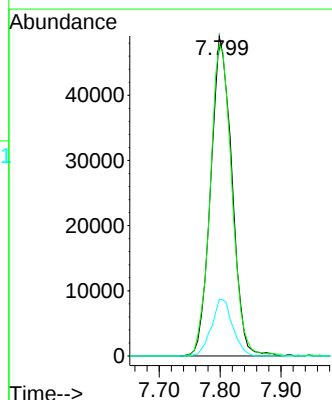
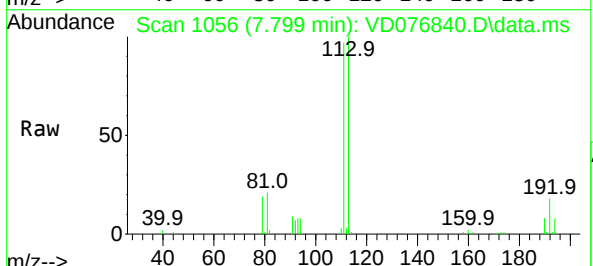
Tgt Ion:113 Resp: 118599

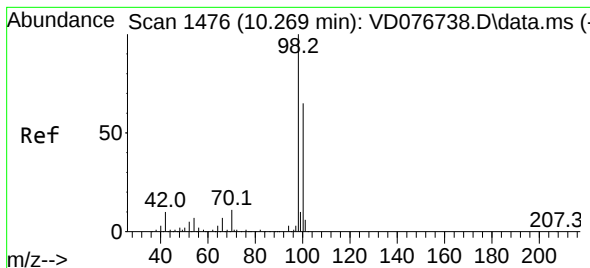
Ion Ratio Lower Upper

113 100

111 99.6 84.7 127.1

192 17.6 16.8 25.2

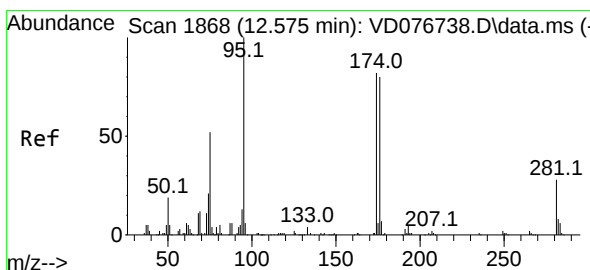
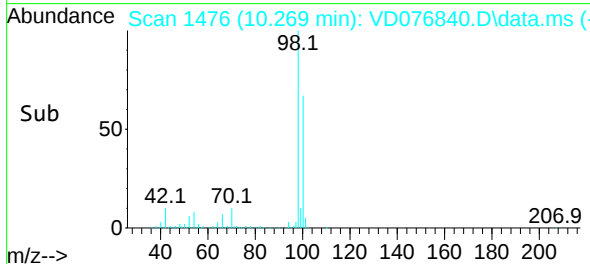
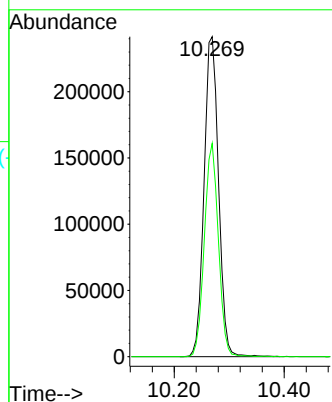
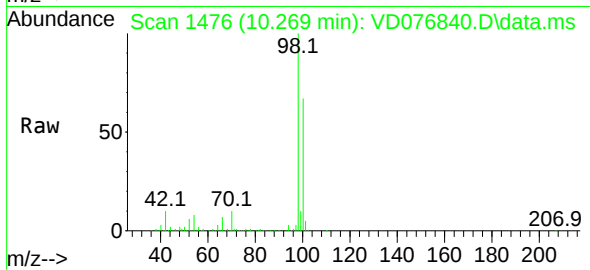




#50
Toluene-d8
Concen: 53.406 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

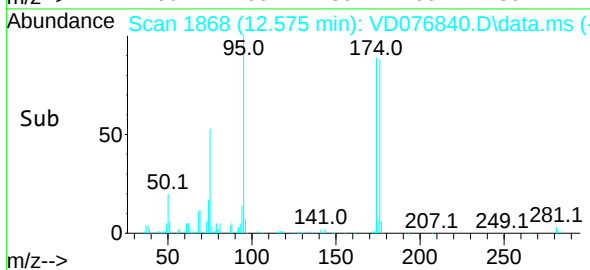
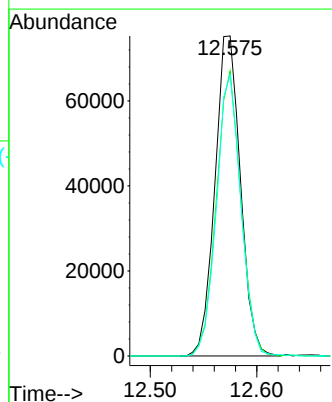
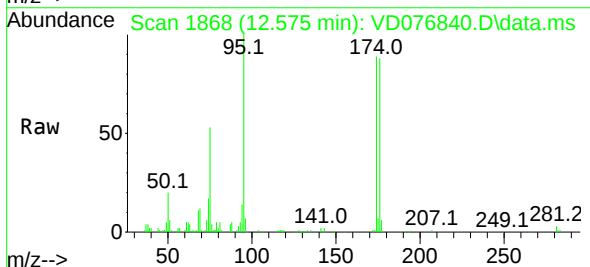
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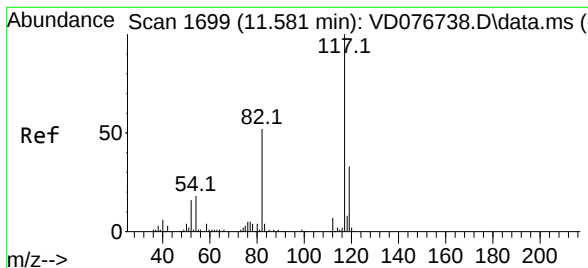
Tgt Ion: 98 Resp: 441165
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 46.857 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Tgt Ion: 95 Resp: 125215
Ion Ratio Lower Upper
95 100
174 85.8 0.0 201.8
176 84.1 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: VD076840.D

Acq: 27 Jul 2023 18:06

Instrument :

MSVOA_D

ClientSampleId :

OS-1

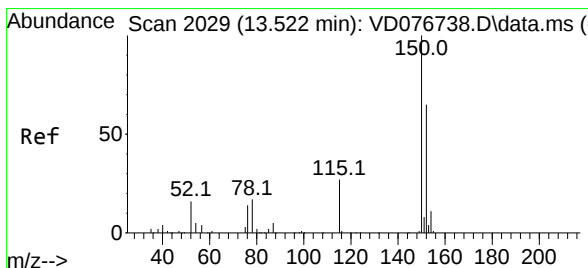
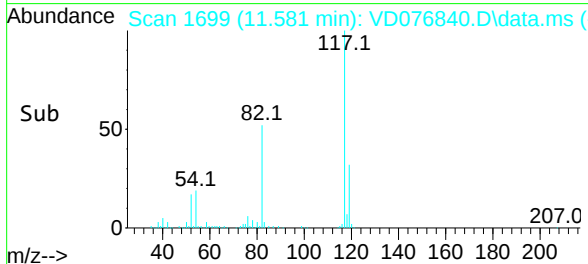
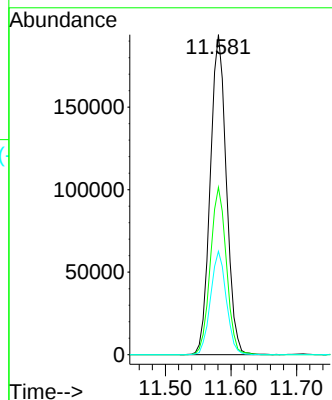
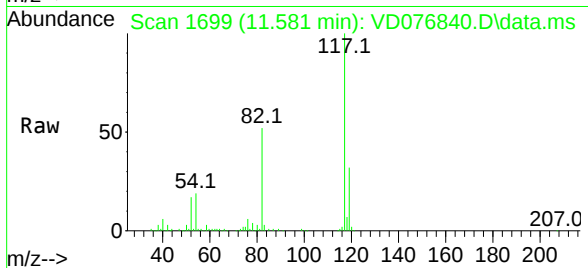
Tgt Ion:117 Resp: 331148

Ion Ratio Lower Upper

117 100

82 52.3 38.3 57.5

119 32.3 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: VD076840.D

Acq: 27 Jul 2023 18:06

Tgt Ion:152 Resp: 136098

Ion Ratio Lower Upper

152 100

115 58.5 27.1 81.3

150 158.9 0.0 353.6

