

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY014013.D
 Acq On : 05 Jun 2023 17:30
 Operator : KP/MD
 Sample : 03018-09
 Misc : 3.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11991

Quant Time: Jun 06 03:57:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	152910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	271810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125554	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	112059	55.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.720%
35) Dibromofluoromethane	7.716	113	92203	53.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.760%
50) Toluene-d8	10.179	98	337523	51.225	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.460%
62) 4-Bromofluorobenzene	12.483	95	113446	50.503	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.000%

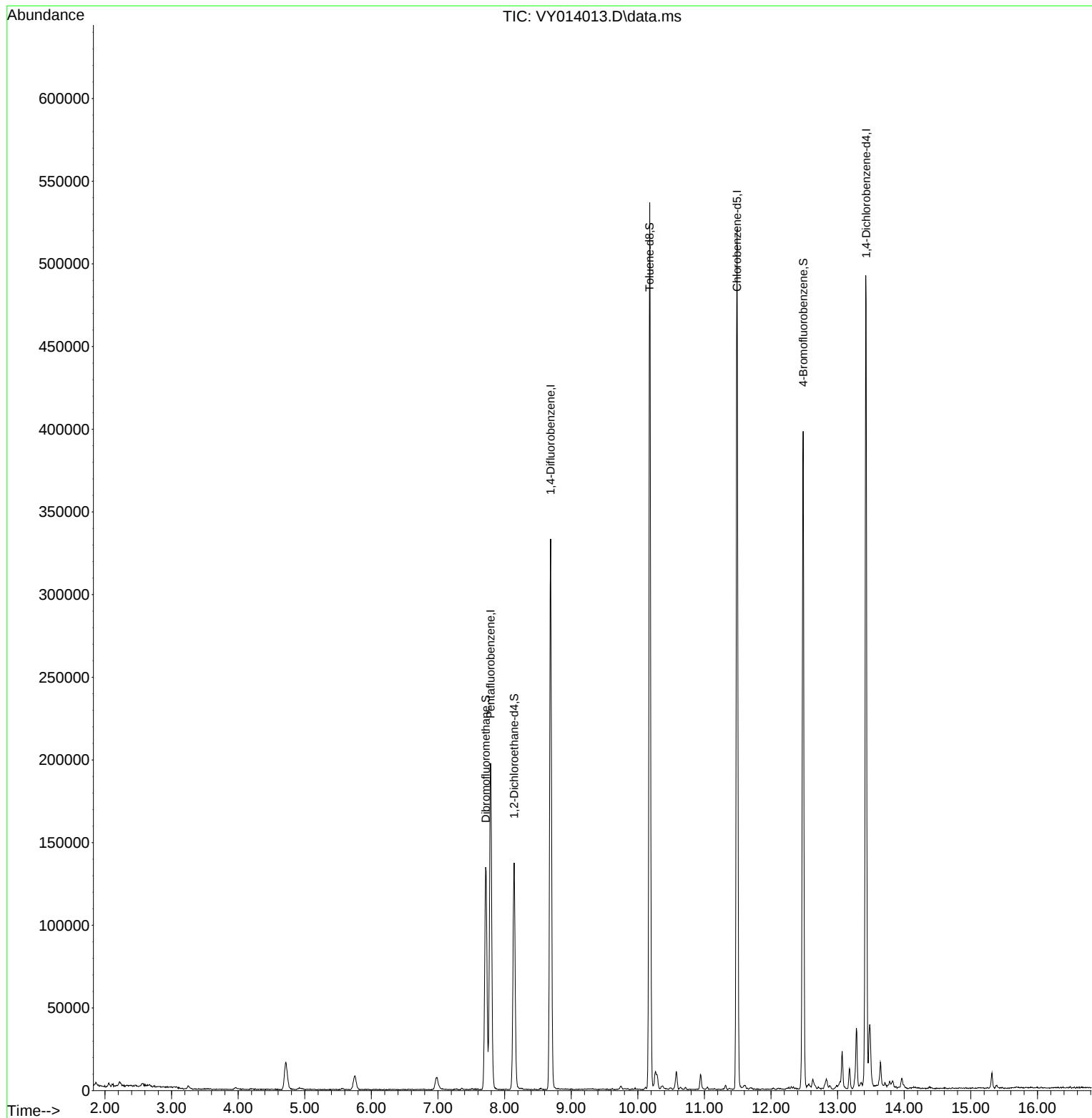
Target Compounds	Qvalue

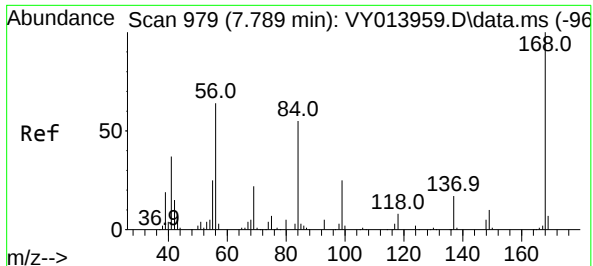
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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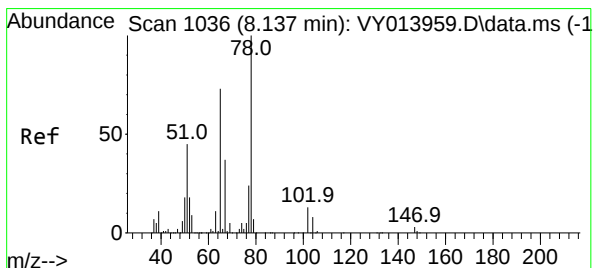
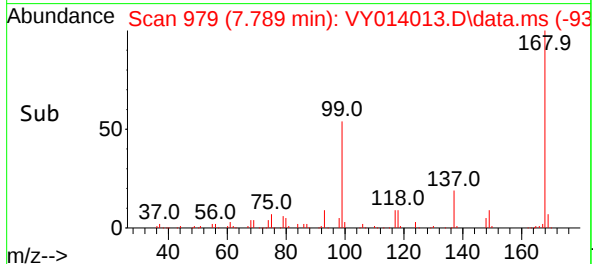
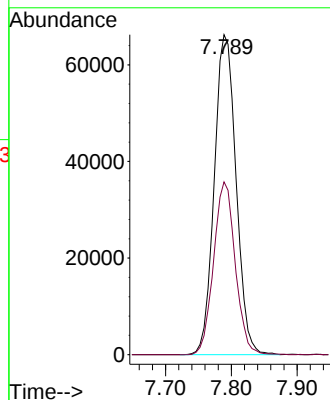
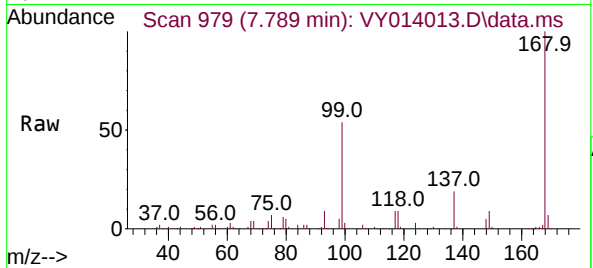




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014013.D
Acq: 05 Jun 2023 17:30

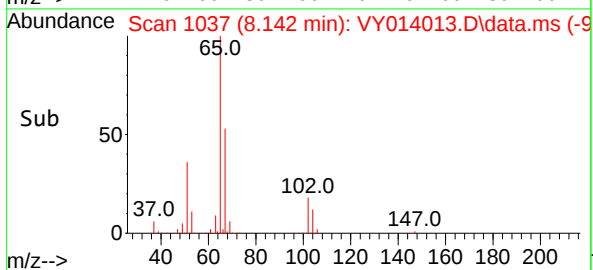
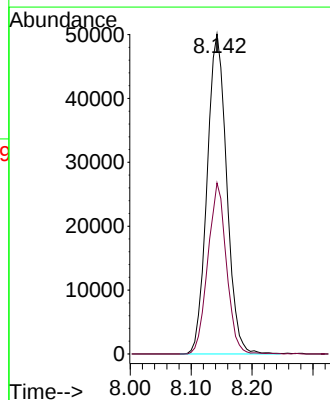
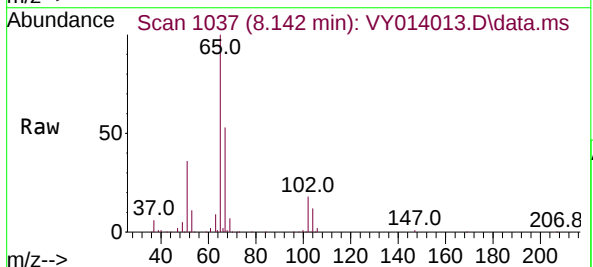
Instrument :
MSVOA_Y
ClientSampleId :
72-11991

Tgt Ion:168 Resp: 152910
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 55.360 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014013.D
Acq: 05 Jun 2023 17:30

Tgt Ion: 65 Resp: 112059
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014013.D

Acq: 05 Jun 2023 17:30

Instrument :

MSVOA_Y

ClientSampleId :

72-11991

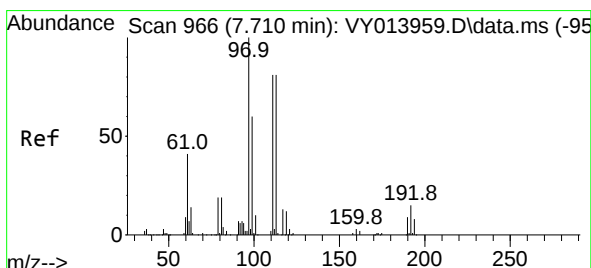
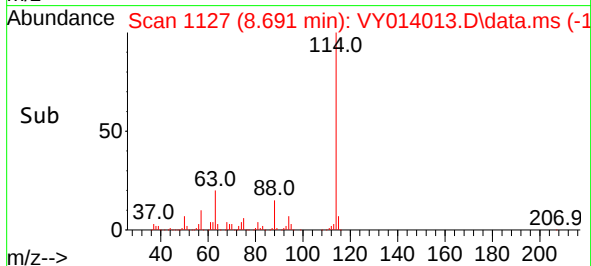
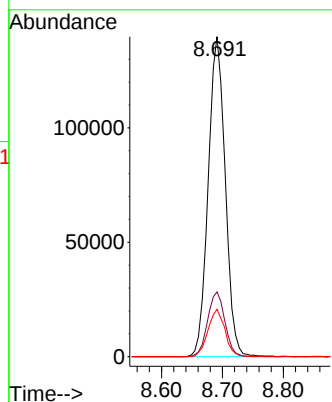
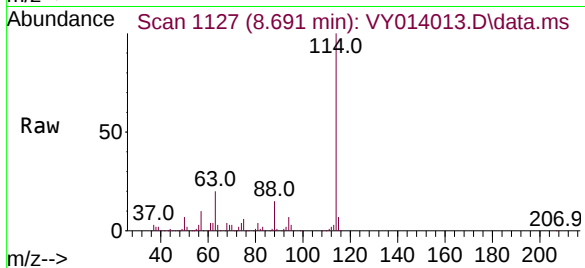
Tgt Ion:114 Resp: 271810

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.377 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY014013.D

Acq: 05 Jun 2023 17:30

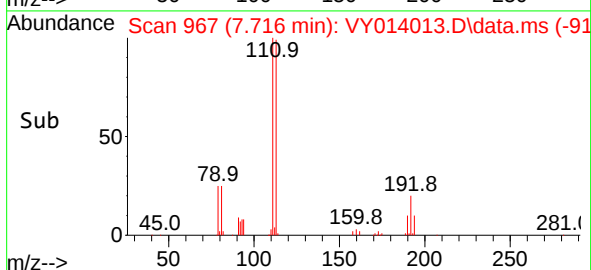
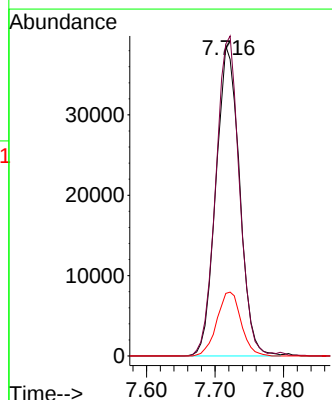
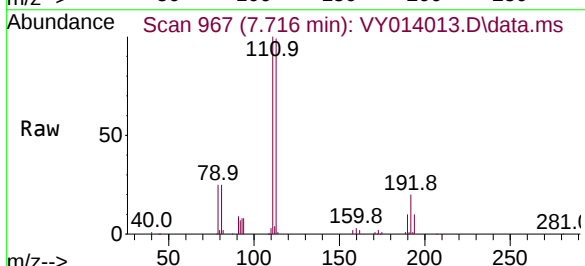
Tgt Ion:113 Resp: 92203

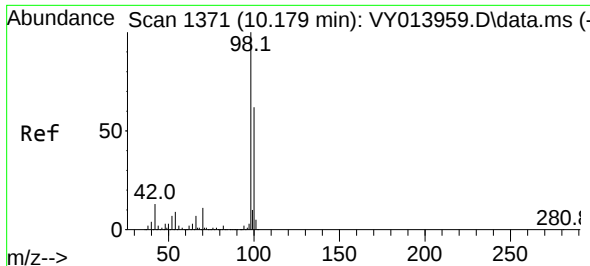
Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

192 21.1 16.9 25.3

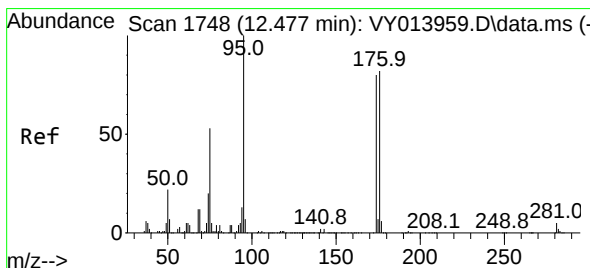
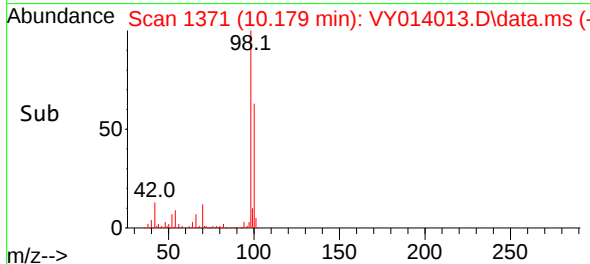
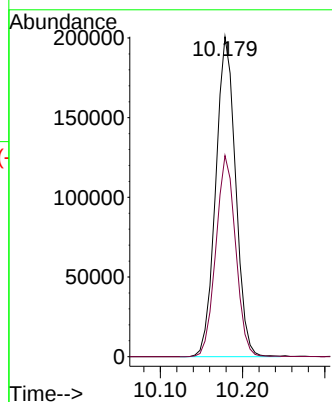
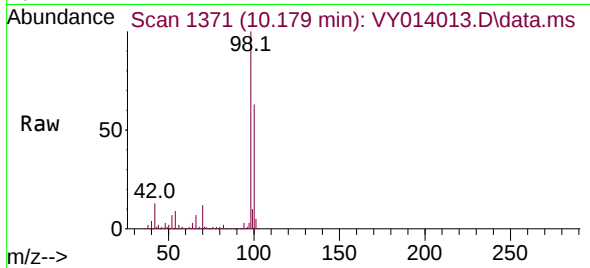




#50
Toluene-d8
Concen: 51.225 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014013.D
Acq: 05 Jun 2023 17:30

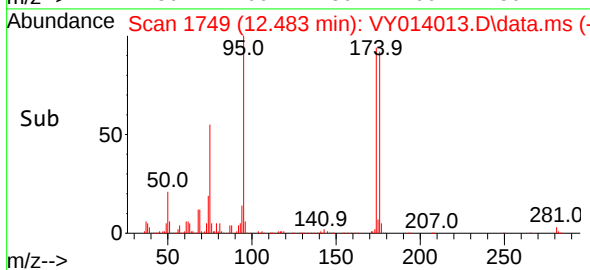
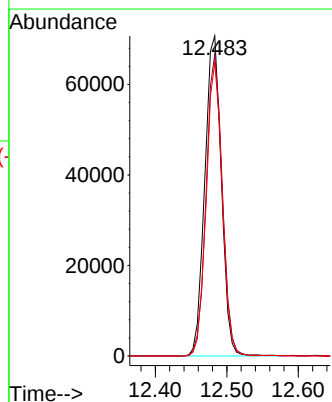
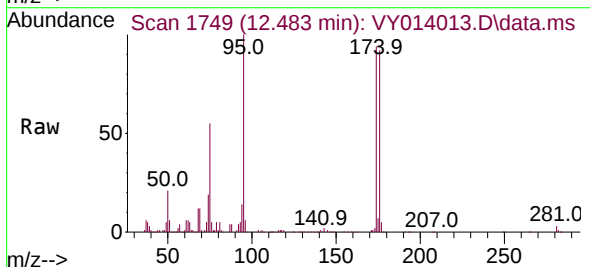
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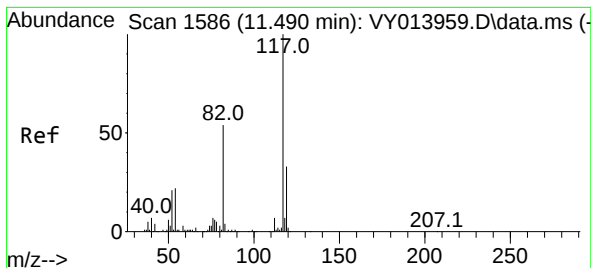
Tgt Ion: 98 Resp: 337523
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.503 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014013.D
Acq: 05 Jun 2023 17:30

Tgt Ion: 95 Resp: 113446
Ion Ratio Lower Upper
95 100
174 92.4 0.0 178.2
176 88.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014013.D

Acq: 05 Jun 2023 17:30

Instrument :

MSVOA_Y

ClientSampleId :

72-11991

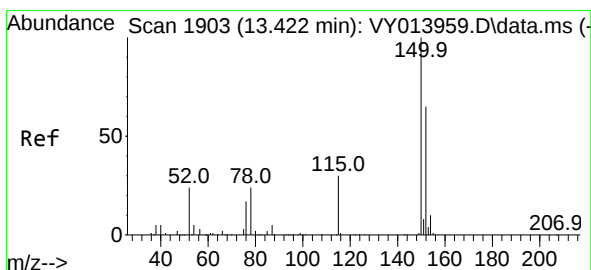
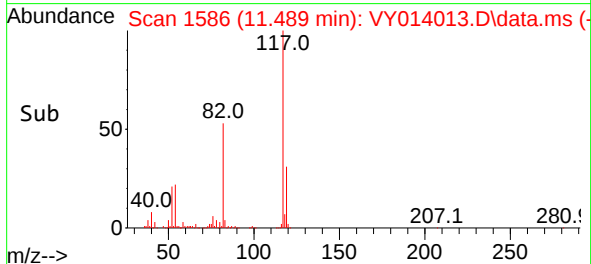
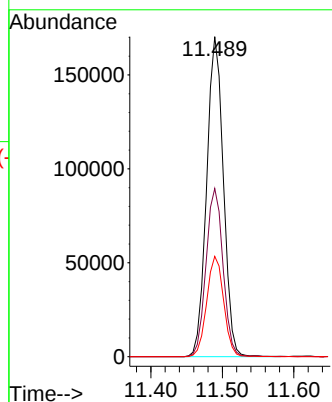
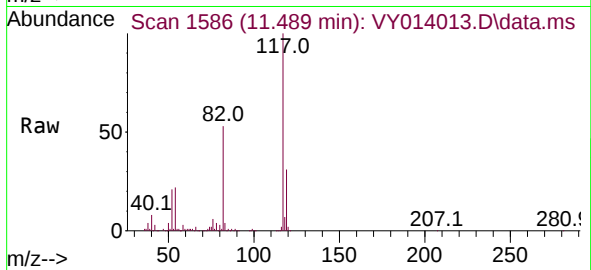
Tgt Ion:117 Resp: 277025

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 31.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014013.D

Acq: 05 Jun 2023 17:30

Tgt Ion:152 Resp: 125554

Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 158.6 0.0 348.8

