

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
 Data File : VY012440.D
 Acq On : 01 Feb 2023 14:16
 Operator : KP/MD
 Sample : 01385-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-013123

Quant Time: Feb 01 23:04:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	181781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	313473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136910	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	105551	71.763	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	143.520%
35) Dibromofluoromethane	7.716	113	93020	56.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.080%
50) Toluene-d8	10.179	98	370243	65.742	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	131.480%
62) 4-Bromofluorobenzene	12.483	95	124764	53.321	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.640%

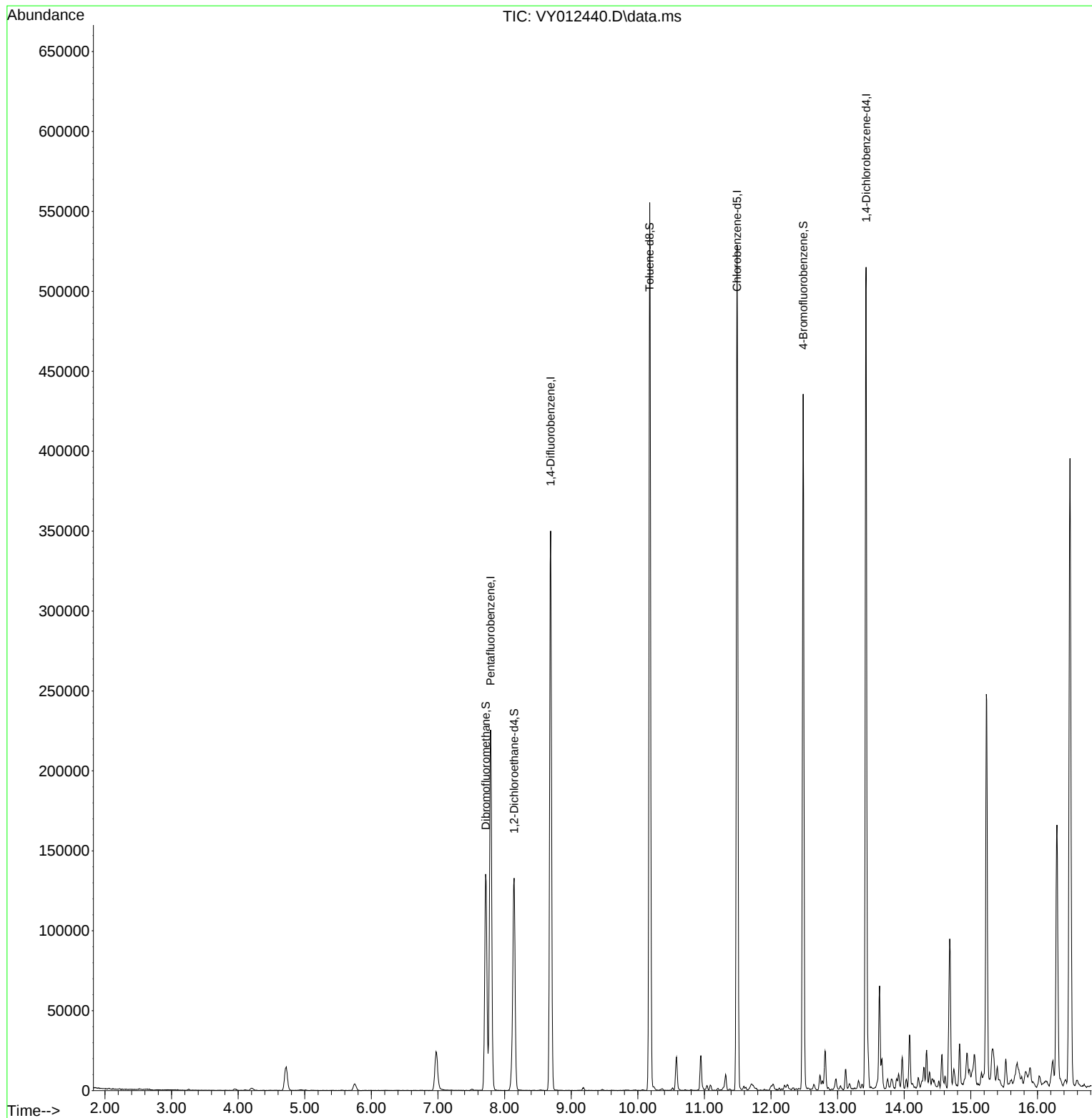
Target Compounds	Qvalue

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

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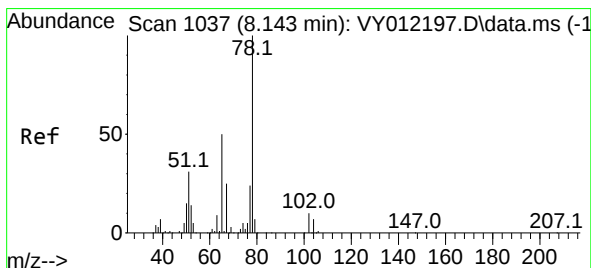
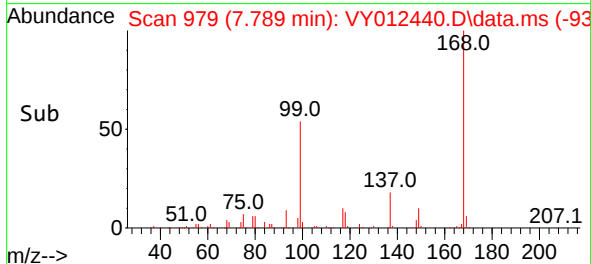
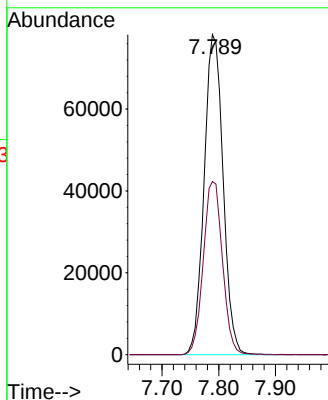
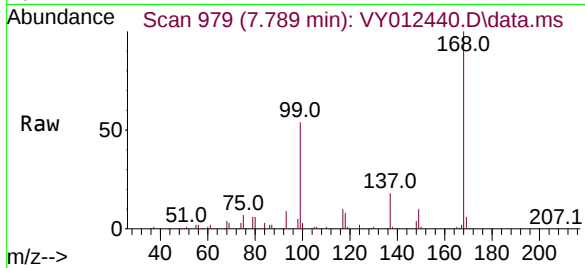




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012440.D
Acq: 01 Feb 2023 14:16

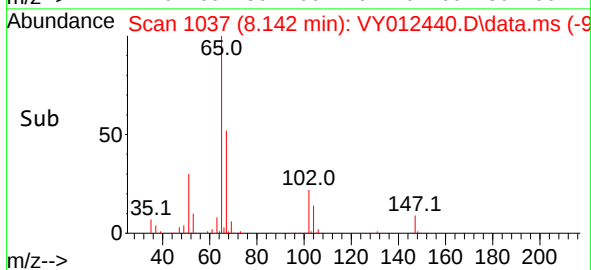
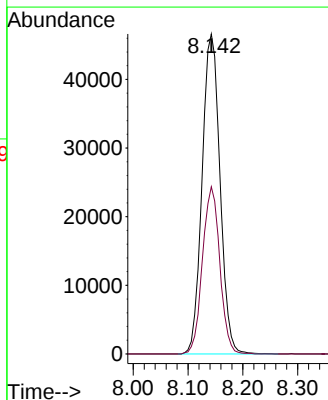
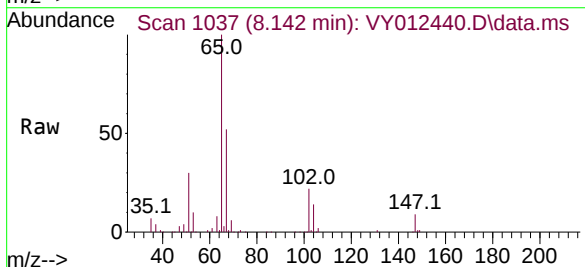
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-013123

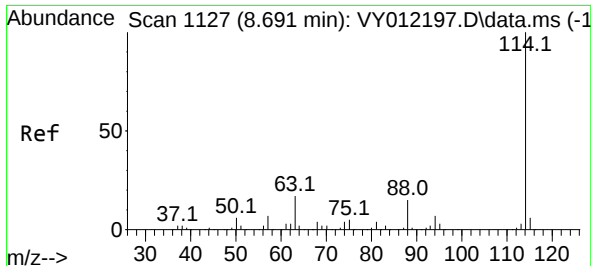
Tgt Ion:168 Resp: 181781
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 71.763 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012440.D
Acq: 01 Feb 2023 14:16

Tgt Ion: 65 Resp: 105551
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012440.D

Acq: 01 Feb 2023 14:16

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-013123

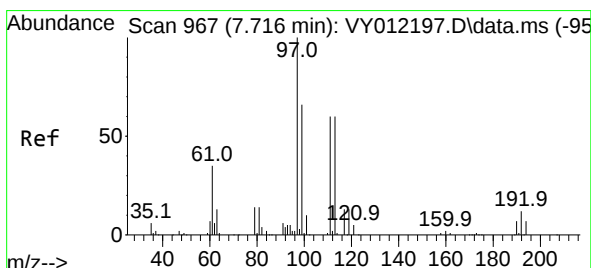
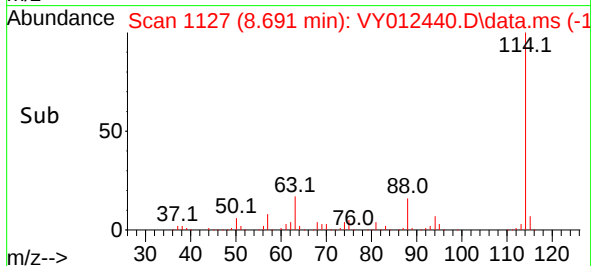
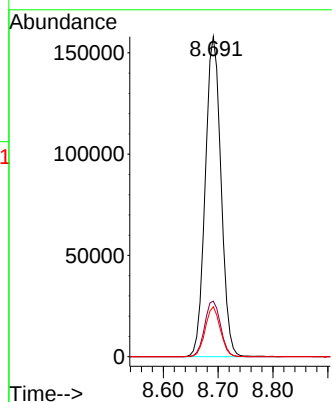
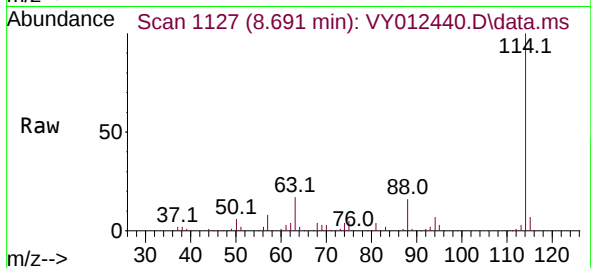
Tgt Ion:114 Resp: 313473

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 15.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.042 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012440.D

Acq: 01 Feb 2023 14:16

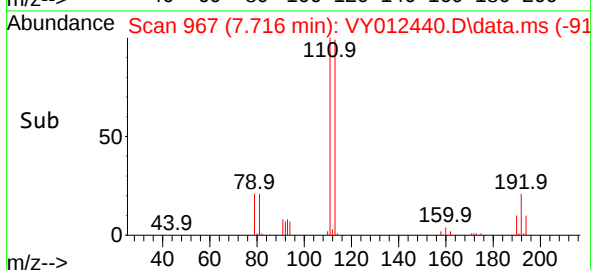
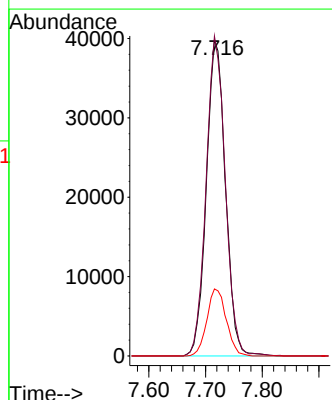
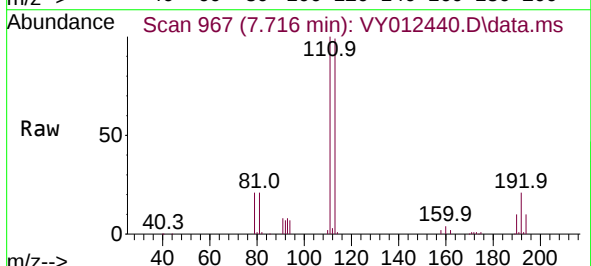
Tgt Ion:113 Resp: 93020

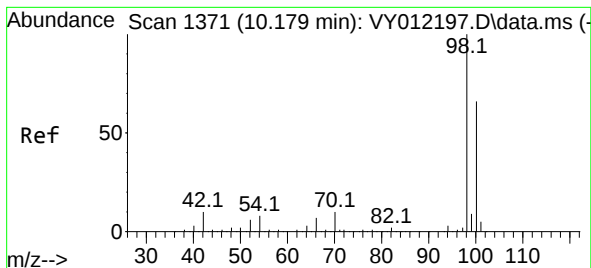
Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

192 21.6 16.0 24.0

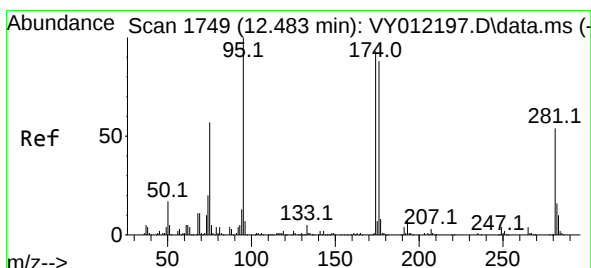
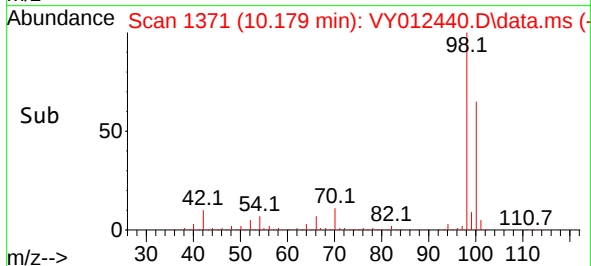
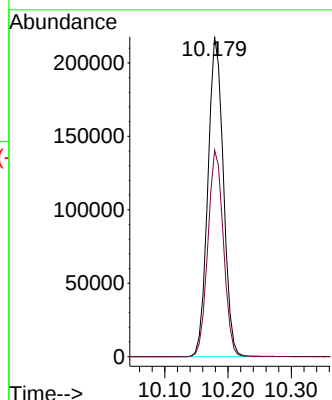
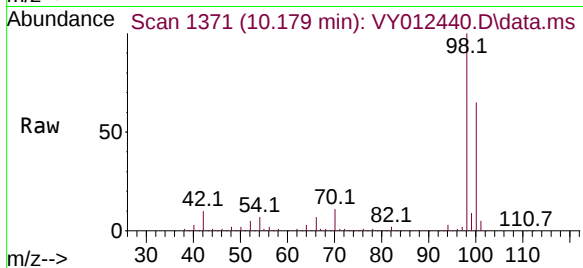




#50
Toluene-d8
Concen: 65.742 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012440.D
Acq: 01 Feb 2023 14:16

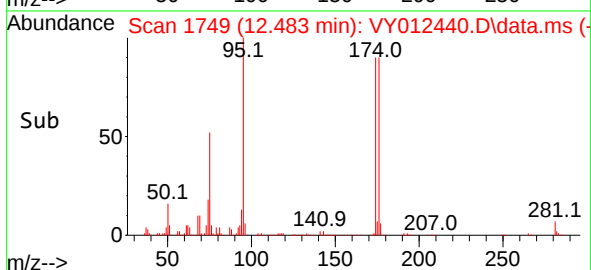
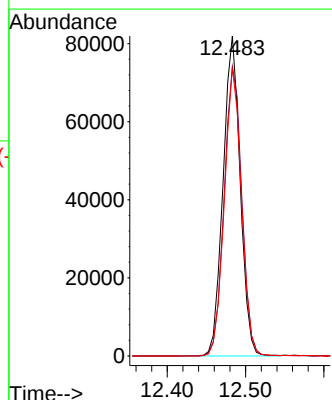
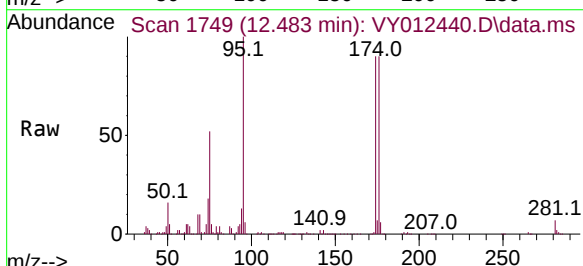
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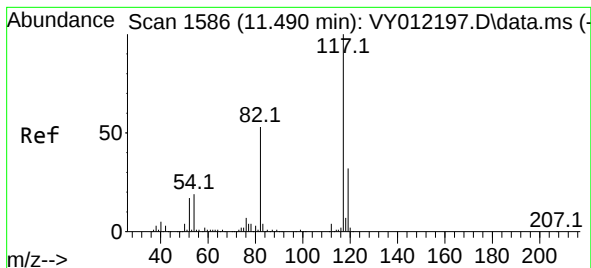
Tgt Ion: 98 Resp: 370243
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 53.321 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012440.D
Acq: 01 Feb 2023 14:16

Tgt Ion: 95 Resp: 124764
Ion Ratio Lower Upper
95 100
174 93.3 0.0 172.0
176 89.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012440.D

Acq: 01 Feb 2023 14:16

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-013123

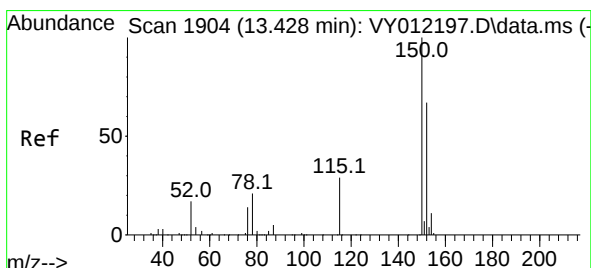
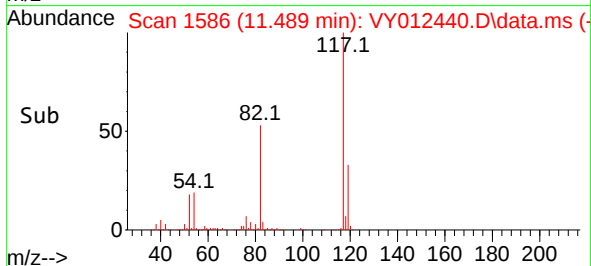
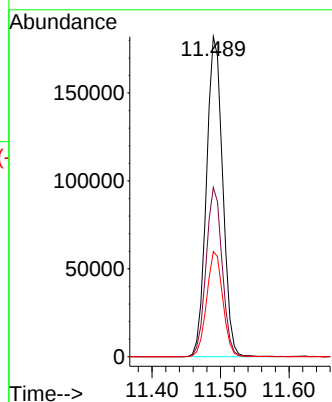
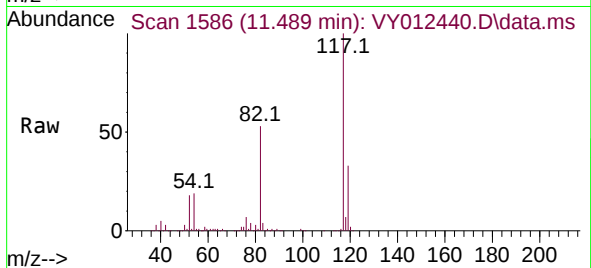
Tgt Ion:117 Resp: 300484

Ion Ratio Lower Upper

117 100

82 52.8 44.8 67.2

119 32.9 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012440.D

Acq: 01 Feb 2023 14:16

Tgt Ion:152 Resp: 136910

Ion Ratio Lower Upper

152 100

115 58.8 29.1 87.3

150 158.4 0.0 342.6

