

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091123\
 Data File : VY015486.D
 Acq On : 11 Sep 2023 14:52
 Operator : SY/MD
 Sample : 04312-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4213

Quant Time: Sep 12 01:18:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	257819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	419562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	370646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157694	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	156660	56.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.360%
35) Dibromofluoromethane	7.710	113	131240	54.308	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.620%
50) Toluene-d8	10.173	98	490879	56.092	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.180%
62) 4-Bromofluorobenzene	12.477	95	158508	48.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.580%

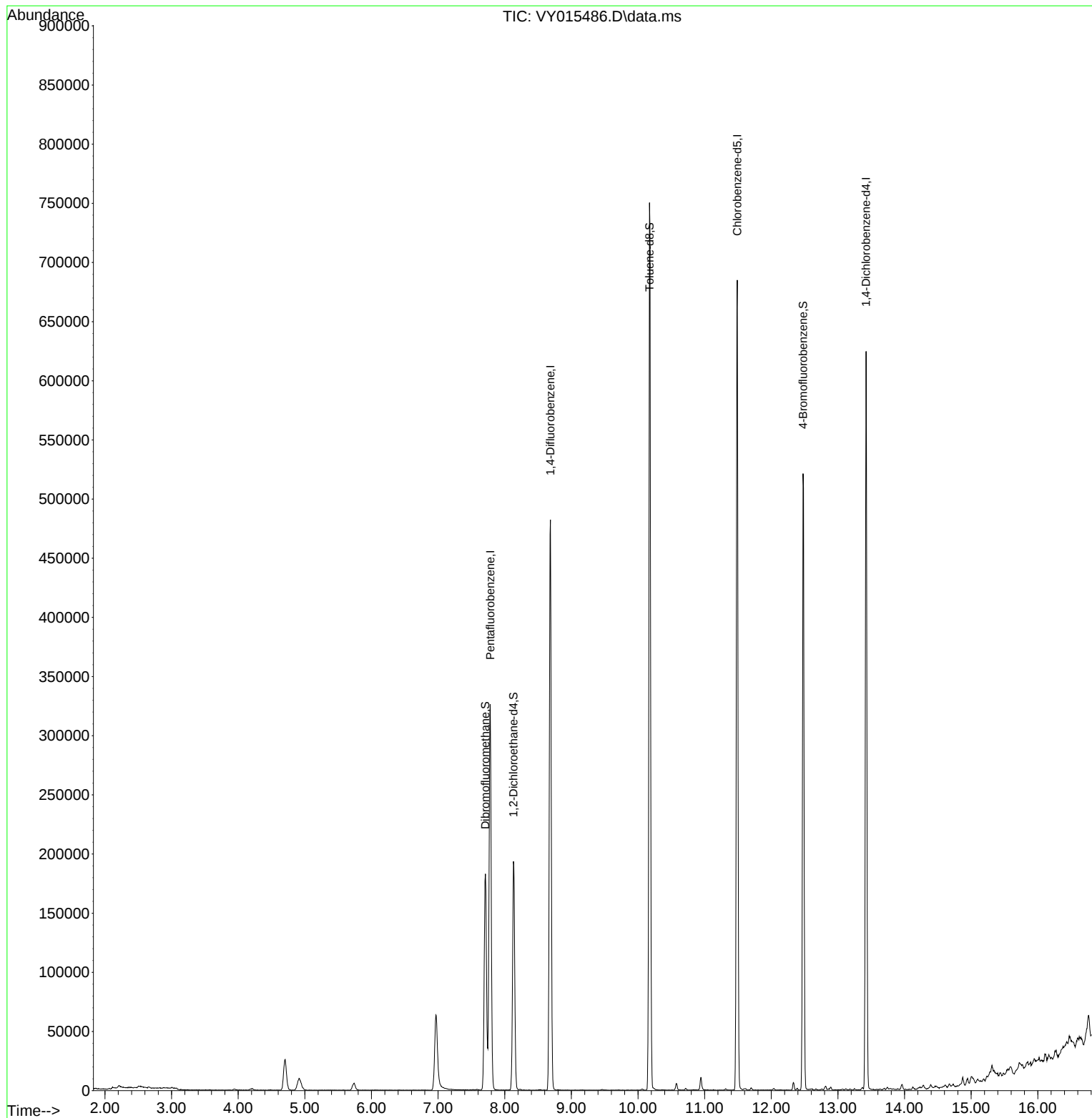
Target Compounds	Qvalue

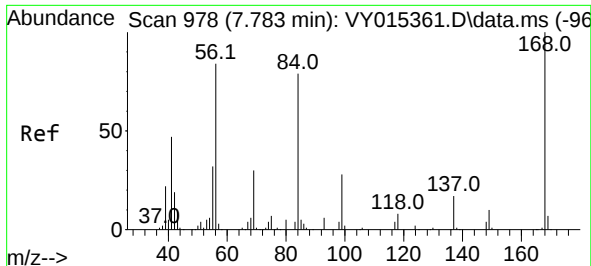
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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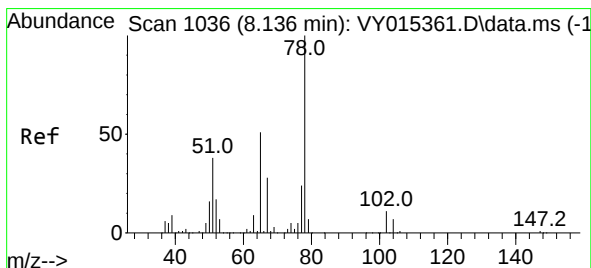
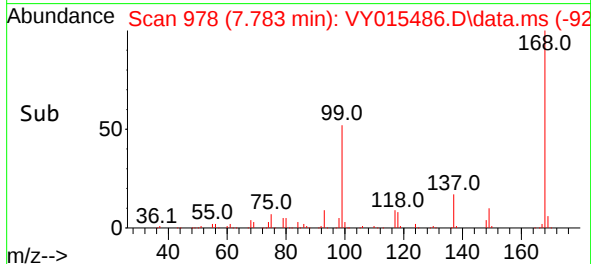
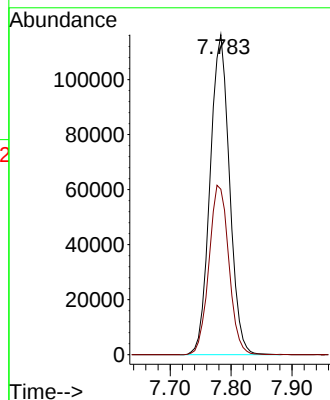
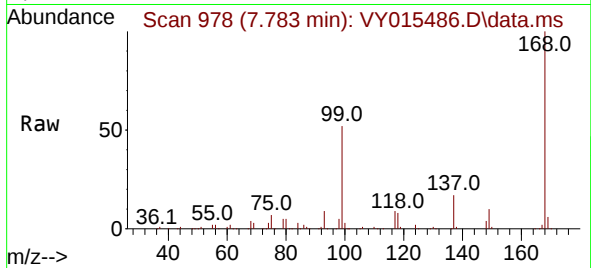




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015486.D
Acq: 11 Sep 2023 14:52

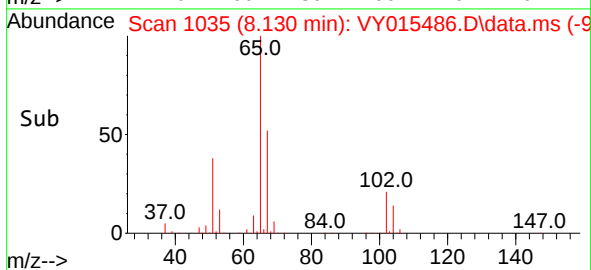
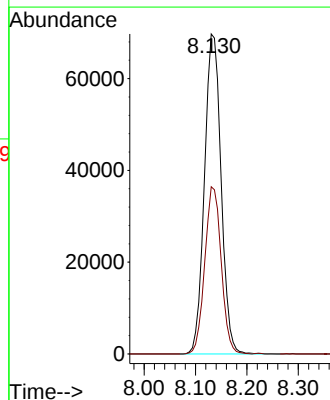
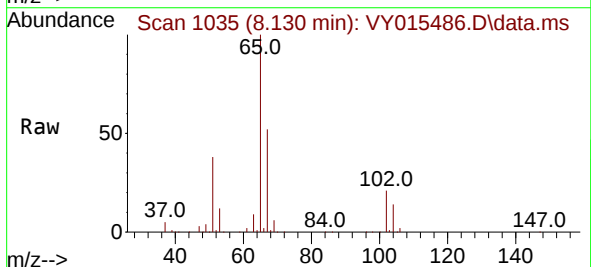
Instrument :
MSVOA_Y
ClientSampleId :
RT4213

Tgt Ion:168 Resp: 257819
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 56.683 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY015486.D
Acq: 11 Sep 2023 14:52

Tgt Ion: 65 Resp: 156660
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015486.D

Acq: 11 Sep 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

RT4213

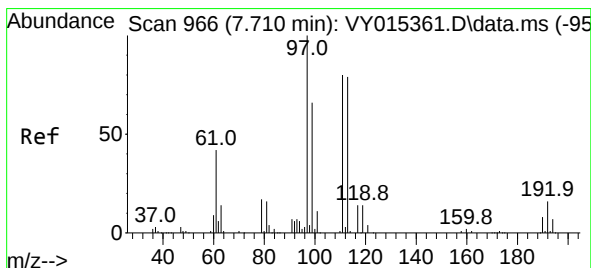
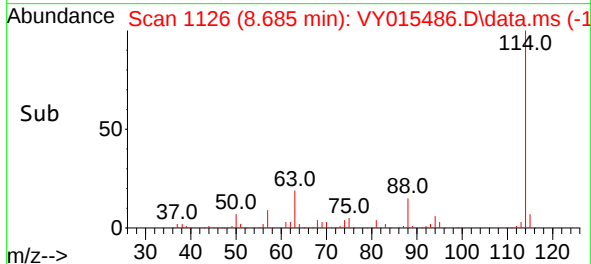
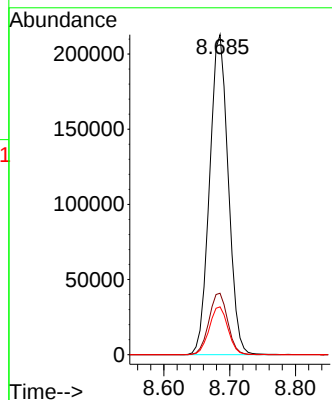
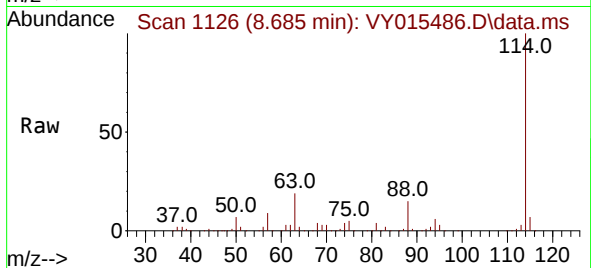
Tgt Ion:114 Resp: 419562

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.308 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015486.D

Acq: 11 Sep 2023 14:52

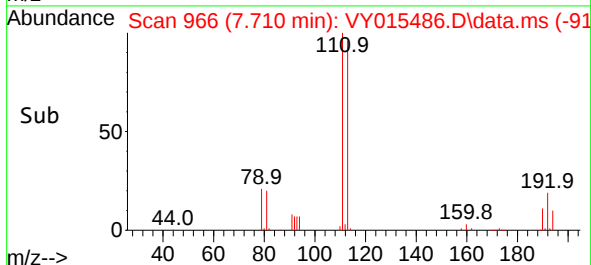
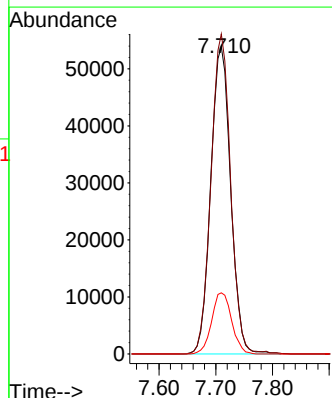
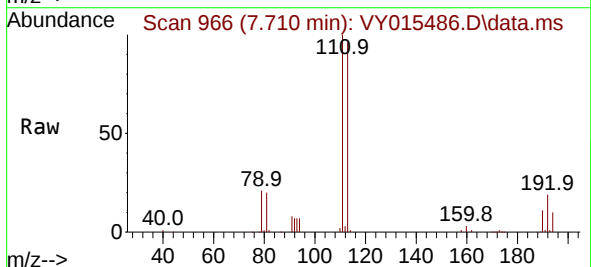
Tgt Ion:113 Resp: 131240

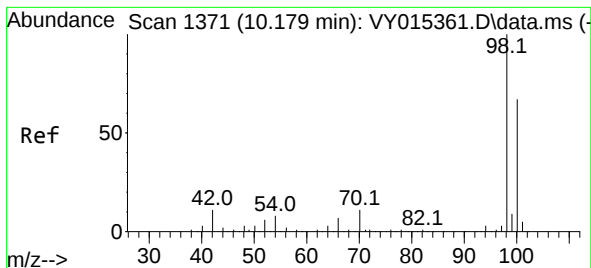
Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 20.0 16.9 25.3





#50

Toluene-d8

Concen: 56.092 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY015486.D

Acq: 11 Sep 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

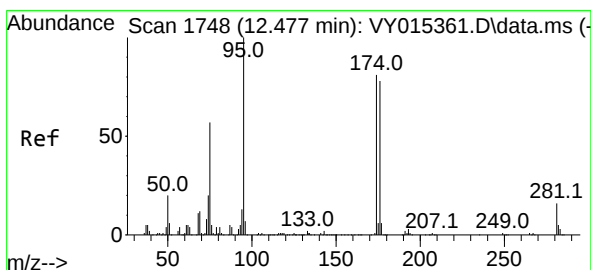
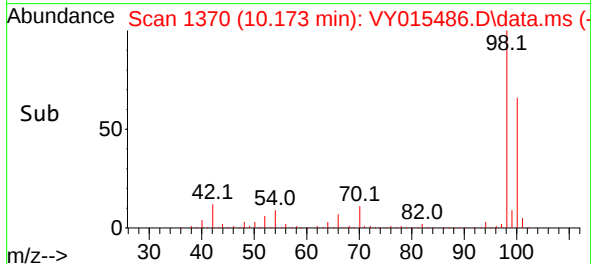
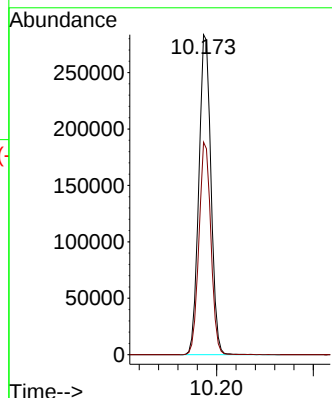
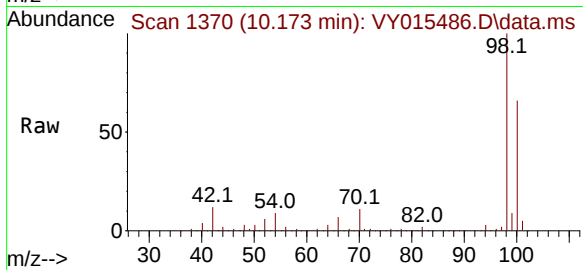
RT4213

Tgt Ion: 98 Resp: 490879

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.789 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015486.D

Acq: 11 Sep 2023 14:52

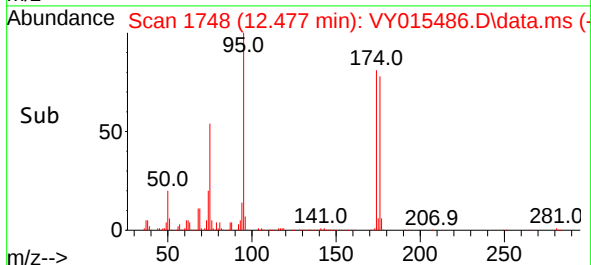
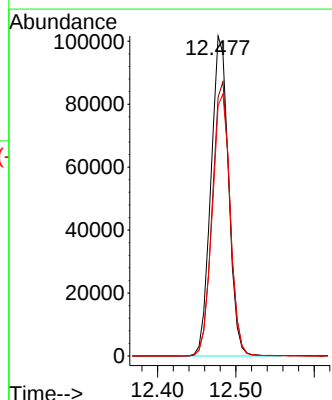
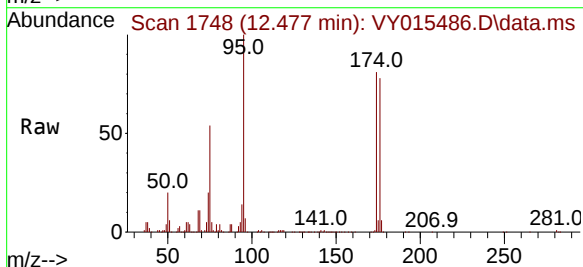
Tgt Ion: 95 Resp: 158508

Ion Ratio Lower Upper

95 100

174 85.7 0.0 178.2

176 83.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015486.D

Acq: 11 Sep 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

RT4213

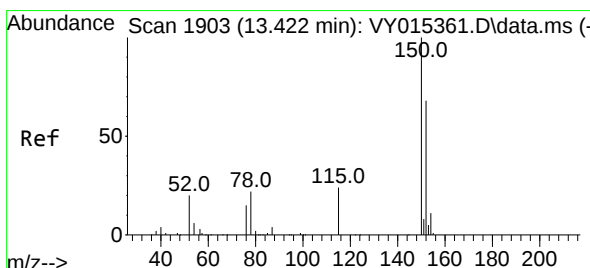
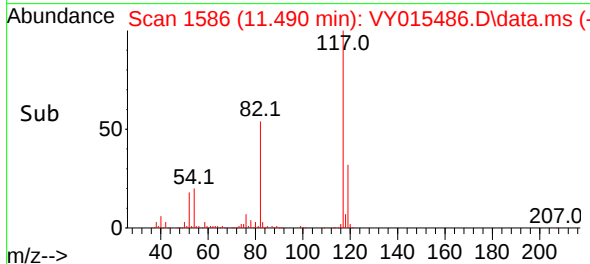
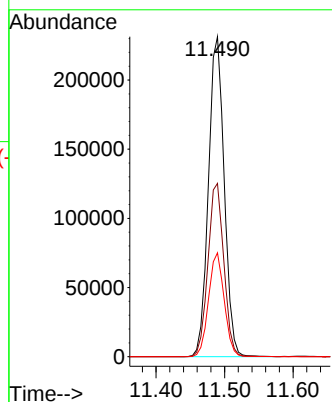
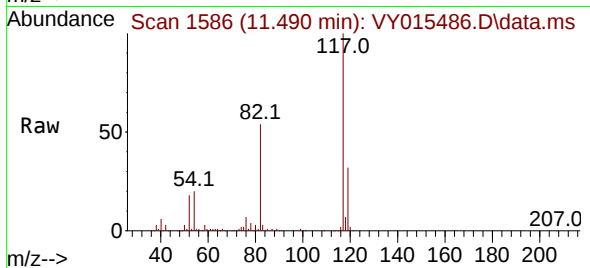
Tgt Ion:117 Resp: 370646

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015486.D

Acq: 11 Sep 2023 14:52

Tgt Ion:152 Resp: 157694

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 156.3 0.0 348.8

