

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011823\
 Data File : VY012243.D
 Acq On : 18 Jan 2023 13:58
 Operator : KP/MD
 Sample : 01184-05
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 APNB-EAST

Quant Time: Jan 19 00:35:28 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	175948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	290873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	282680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133014	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103079	72.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	144.880%
35) Dibromofluoromethane	7.716	113	87039	56.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.020%
50) Toluene-d8	10.179	98	343667	65.766	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	131.540%
62) 4-Bromofluorobenzene	12.483	95	116849	53.818	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.640%

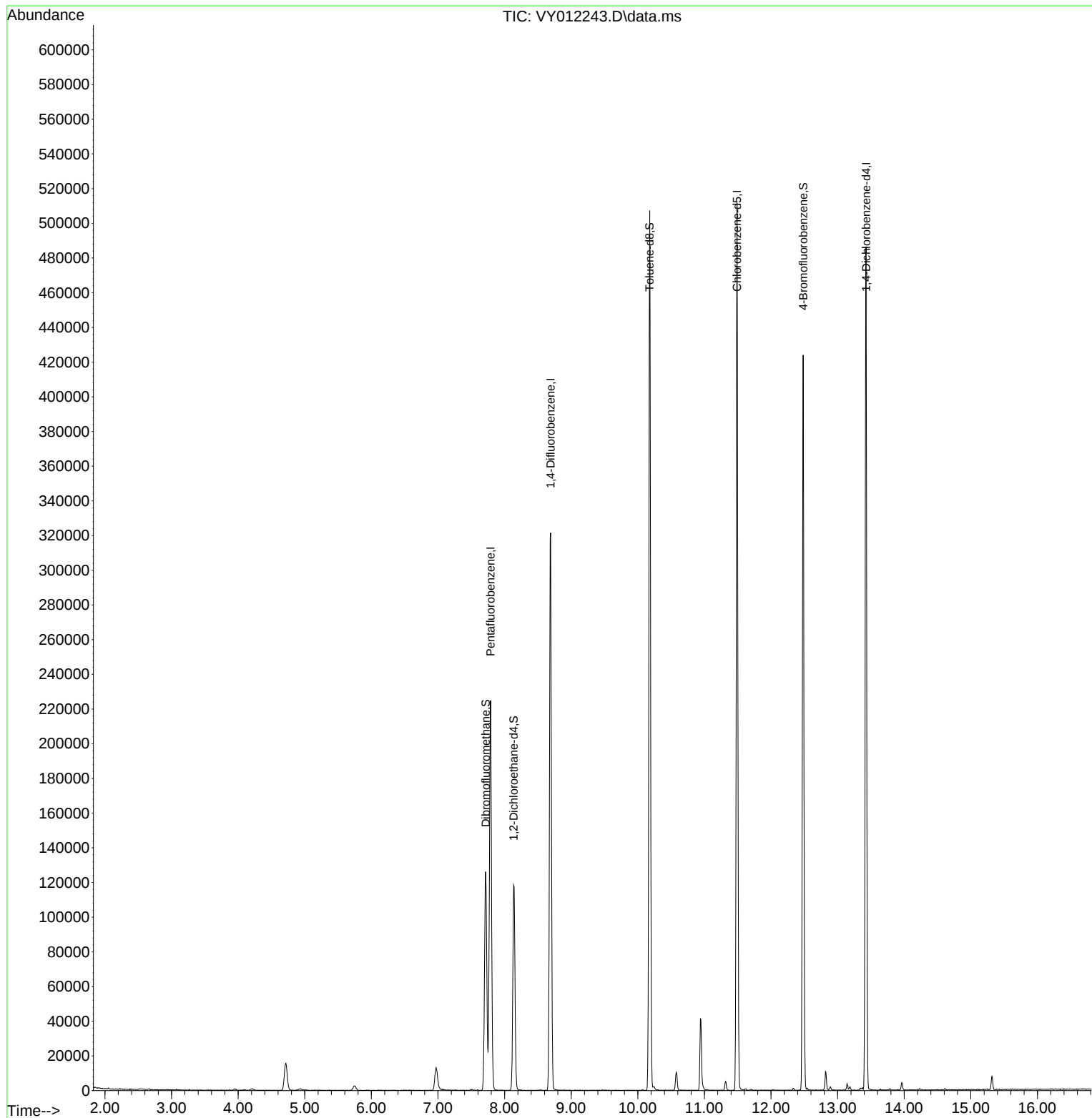
Target Compounds	Qvalue

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

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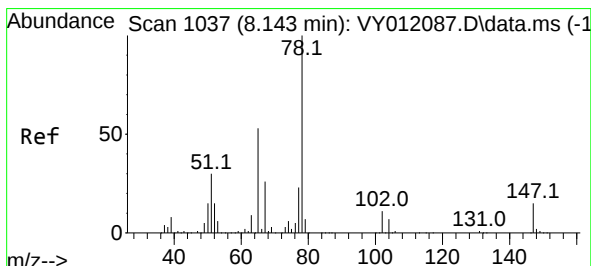
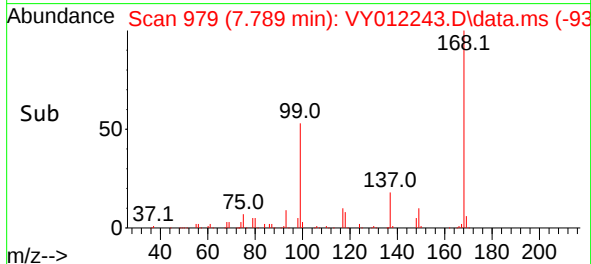
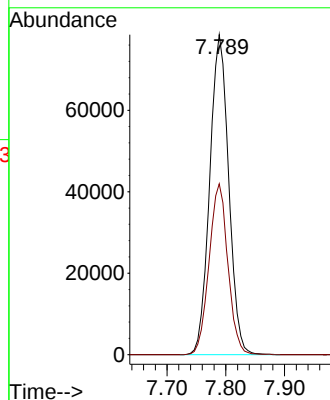
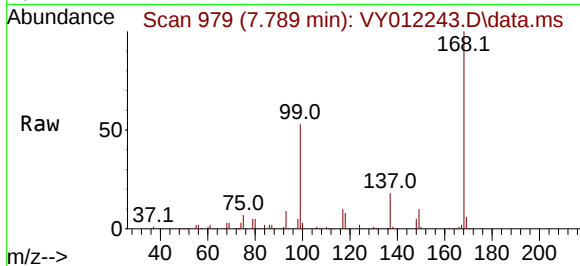




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012243.D
Acq: 18 Jan 2023 13:58

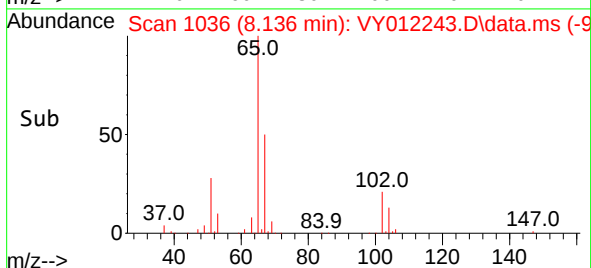
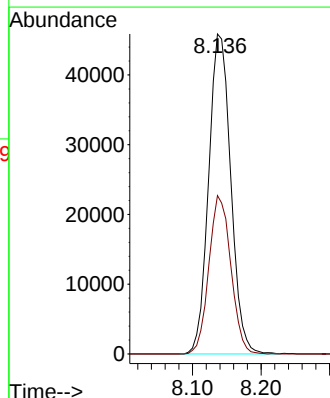
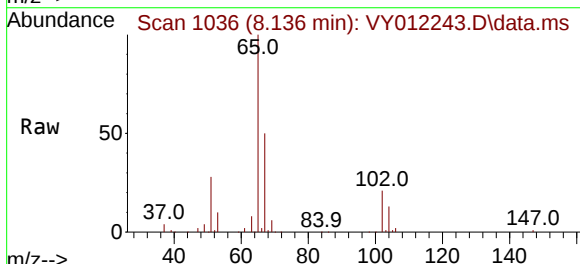
Instrument :
MSVOA_Y
ClientSampleId :
APNB-EAST

Tgt Ion:168 Resp: 175948
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 72.444 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012243.D
Acq: 18 Jan 2023 13:58

Tgt Ion: 65 Resp: 103079
Ion Ratio Lower Upper
65 100
67 49.1 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: VY012243.D

Acq: 18 Jan 2023 13:58

Instrument :

MSVOA_Y

ClientSampleId :

APNB-EAST

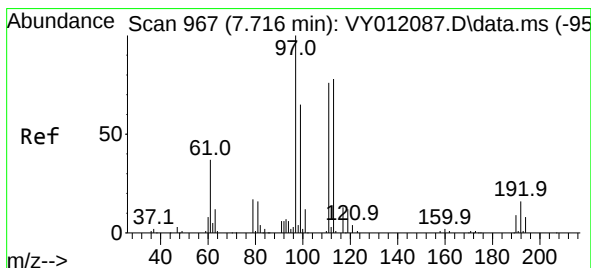
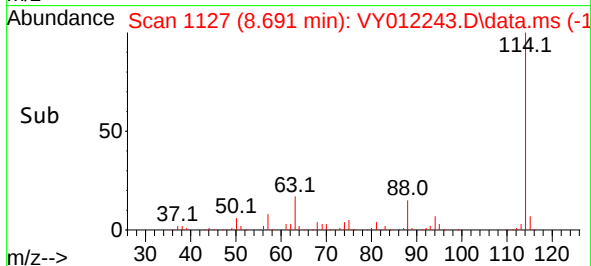
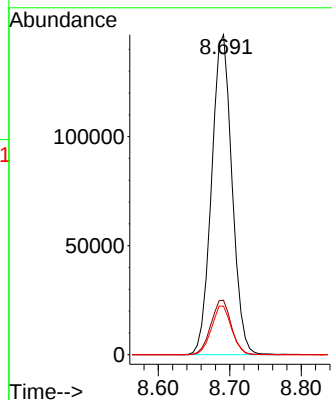
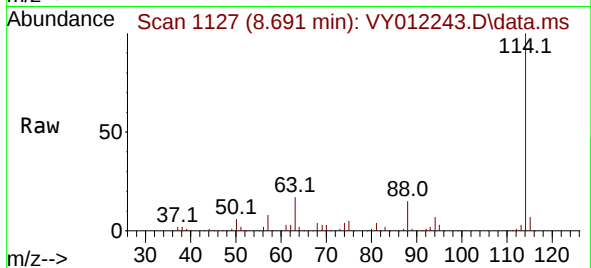
Tgt Ion:114 Resp: 290873

Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.512 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012243.D

Acq: 18 Jan 2023 13:58

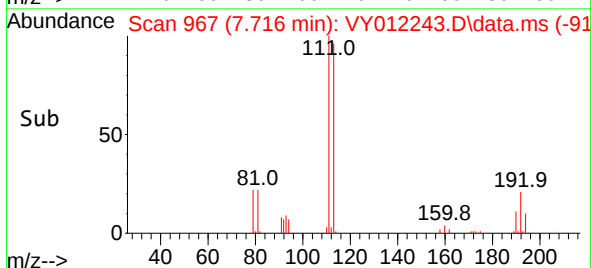
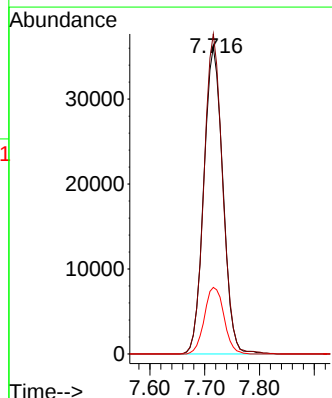
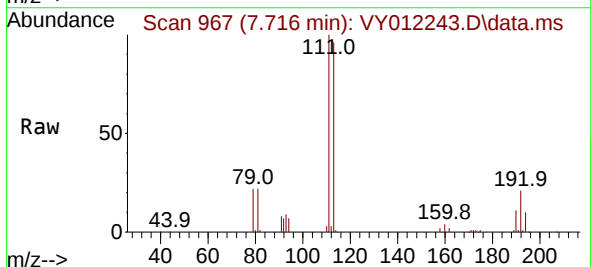
Tgt Ion:113 Resp: 87039

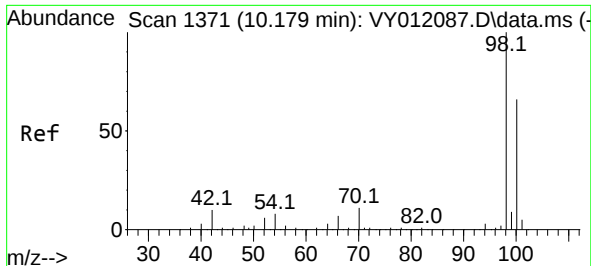
Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

192 22.3 16.0 24.0

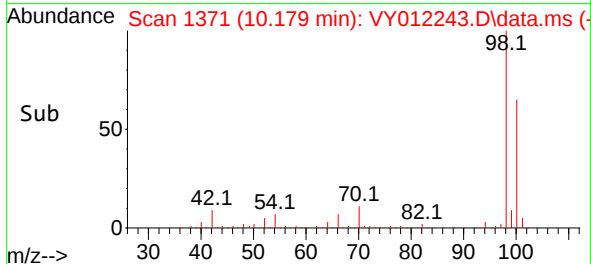
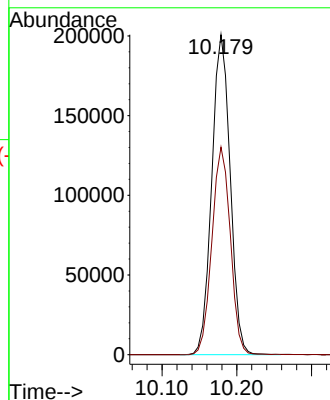
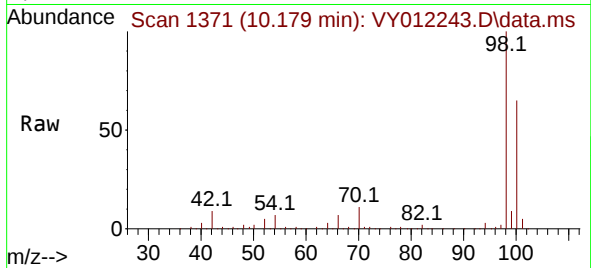




#50
Toluene-d8
Concen: 65.766 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012243.D
Acq: 18 Jan 2023 13:58

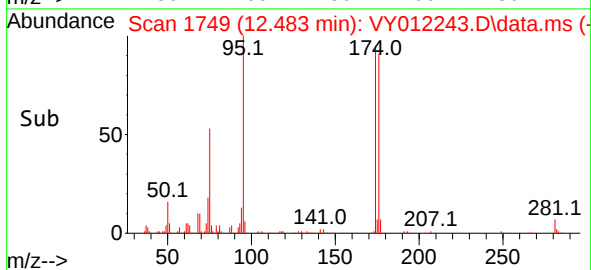
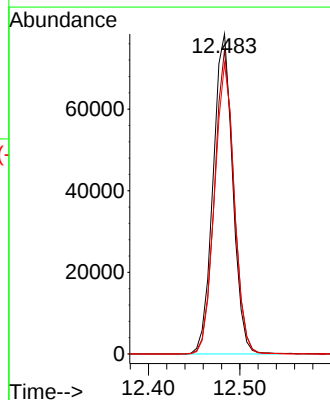
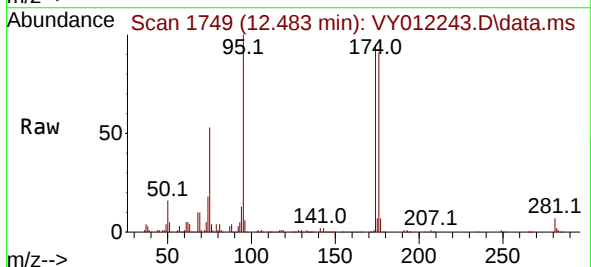
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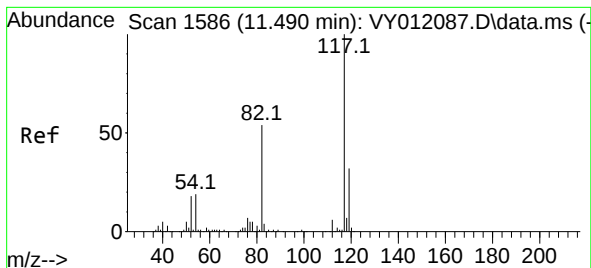
Tgt Ion: 98 Resp: 343667
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 53.818 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012243.D
Acq: 18 Jan 2023 13:58

Tgt Ion: 95 Resp: 116849
Ion Ratio Lower Upper
95 100
174 94.0 0.0 172.0
176 91.4 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: VY012243.D

Acq: 18 Jan 2023 13:58

Instrument :

MSVOA_Y

ClientSampleId :

APNB-EAST

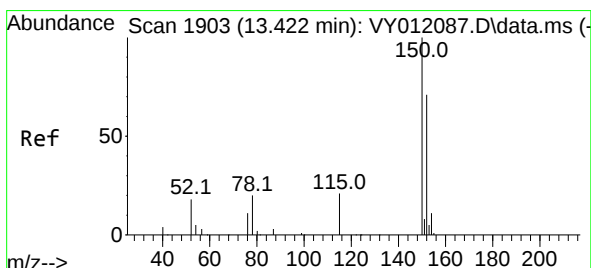
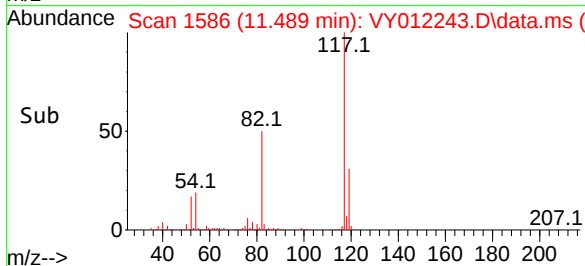
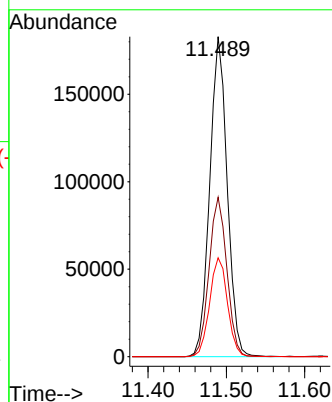
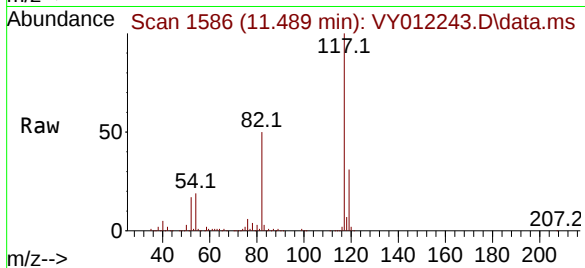
Tgt Ion:117 Resp: 282680

Ion Ratio Lower Upper

117 100

82 49.8 44.8 67.2

119 30.9 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: VY012243.D

Acq: 18 Jan 2023 13:58

Tgt Ion:152 Resp: 133014

Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.3

150 157.2 0.0 342.6

