

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014587.D
 Acq On : 06 Jul 2023 14:42
 Operator : KP/MD
 Sample : 03522-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jul 07 06:13:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	210150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	336408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	332173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153972	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	131921	63.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.200%
35) Dibromofluoromethane	7.710	113	115812	55.904	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.800%
50) Toluene-d8	10.179	98	410190	50.088	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.477	95	131998	46.418	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.840%

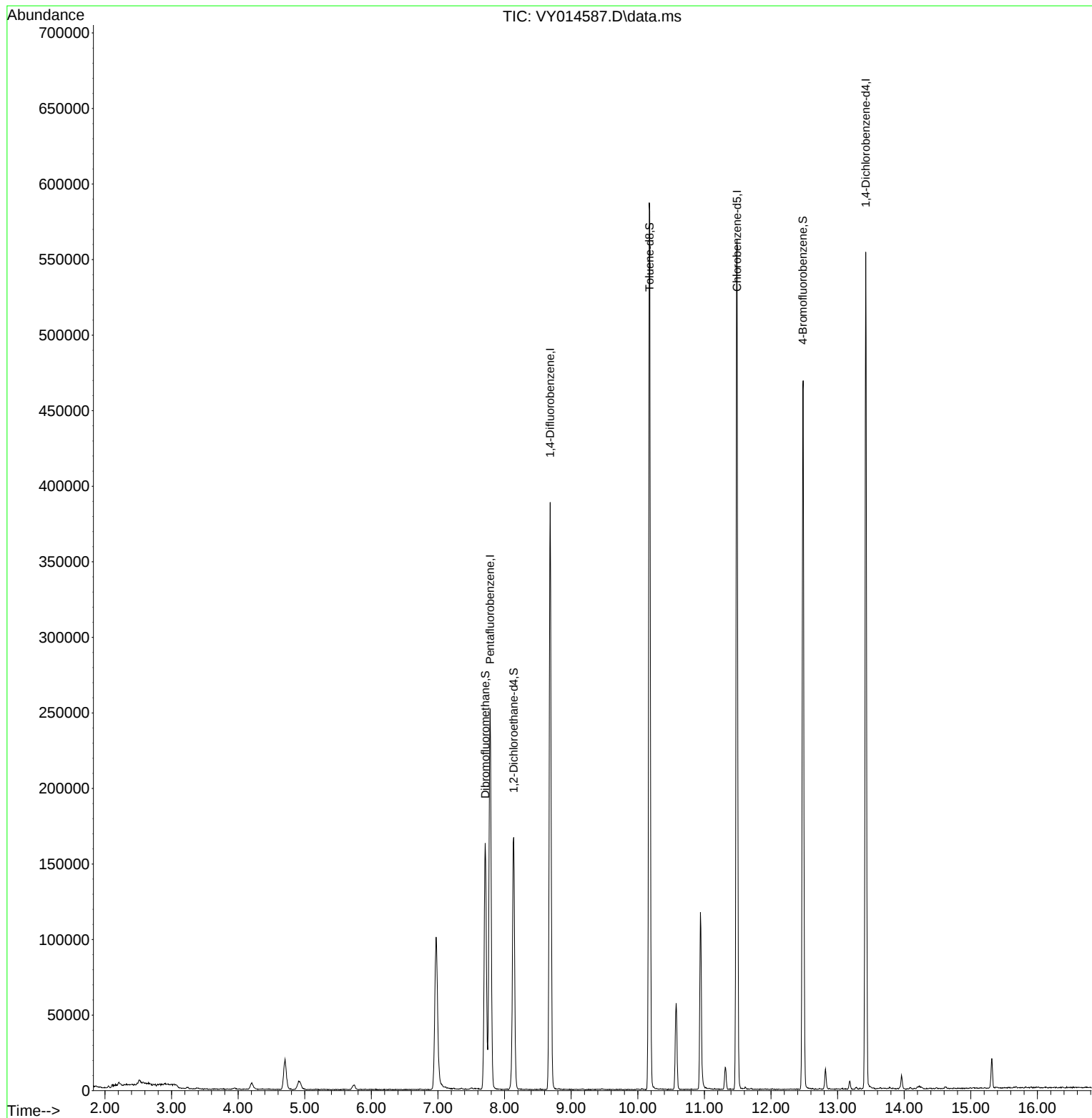
Target Compounds	Qvalue

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

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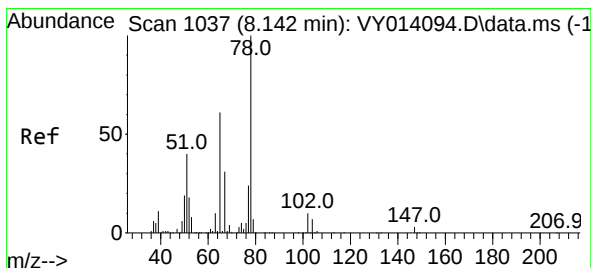
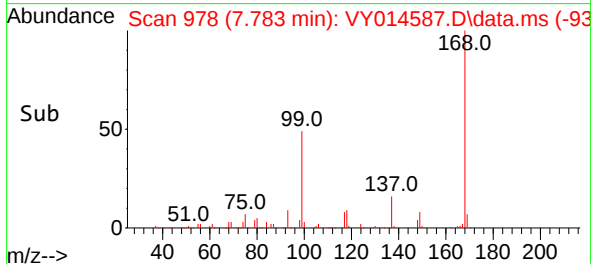
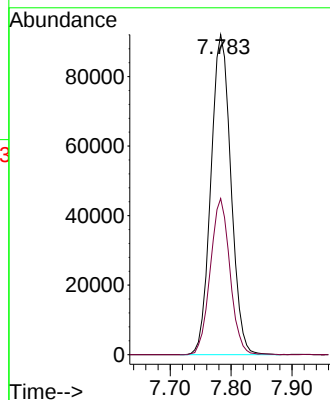
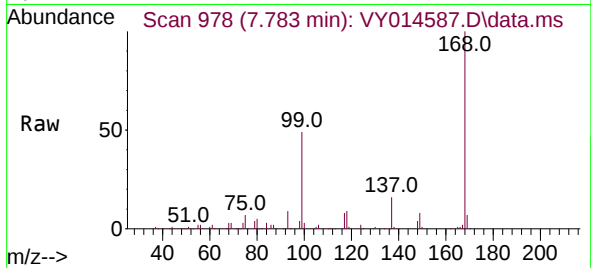




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

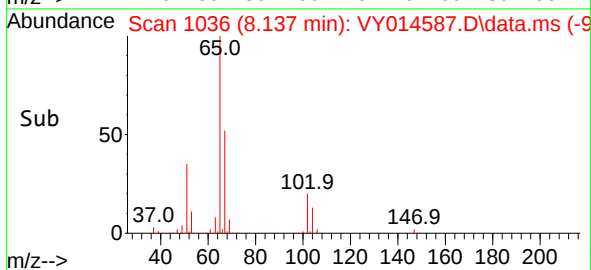
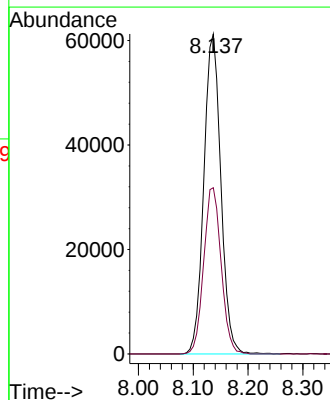
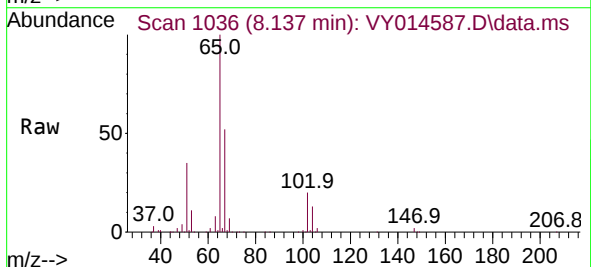
Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:168 Resp: 210150
Ion Ratio Lower Upper
168 100
99 48.8 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 63.104 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

Tgt Ion: 65 Resp: 131921
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014587.D

Acq: 06 Jul 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VOC

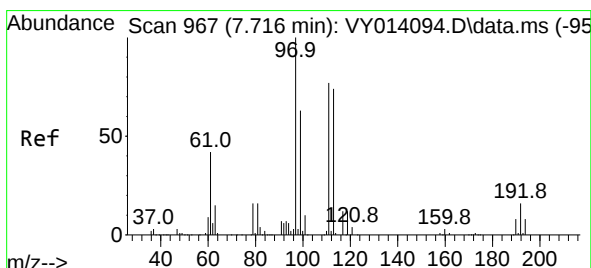
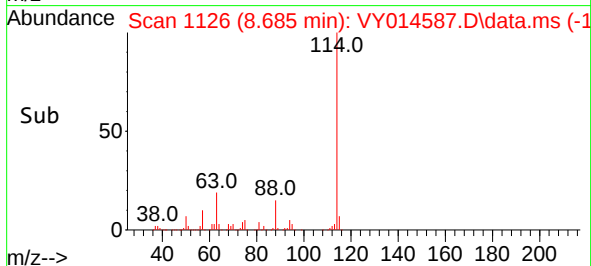
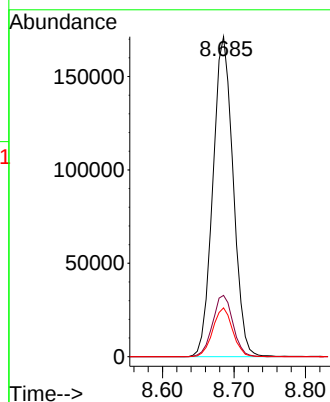
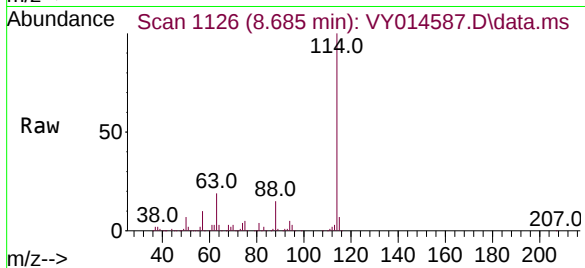
Tgt Ion:114 Resp: 336408

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.904 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014587.D

Acq: 06 Jul 2023 14:42

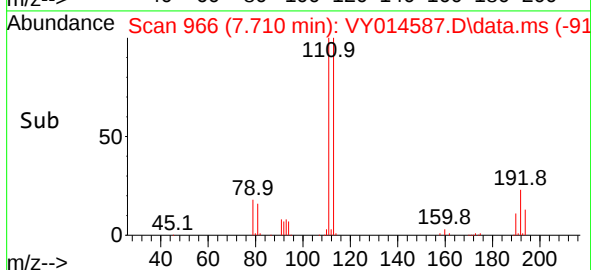
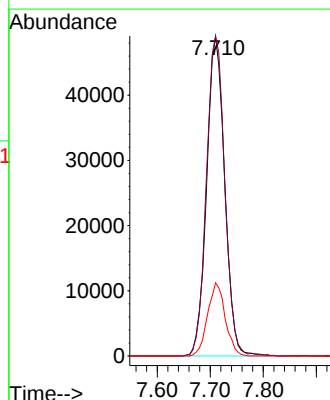
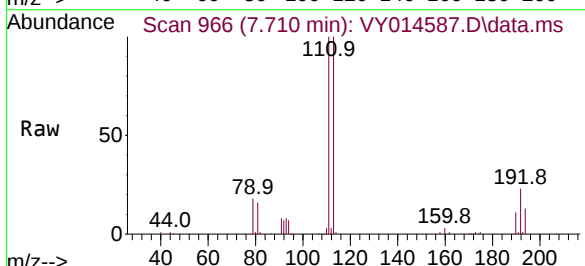
Tgt Ion:113 Resp: 115812

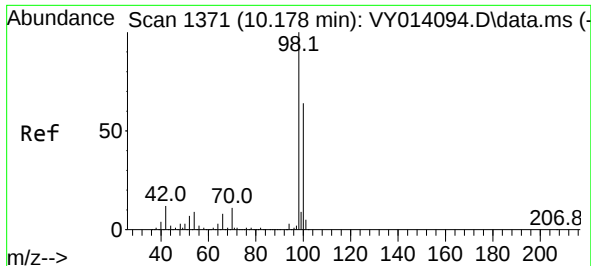
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 22.4 16.9 25.3

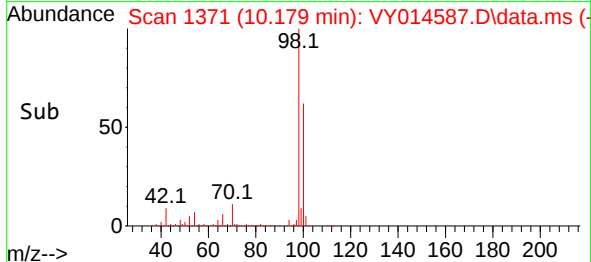
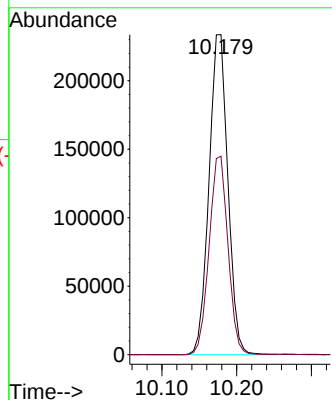
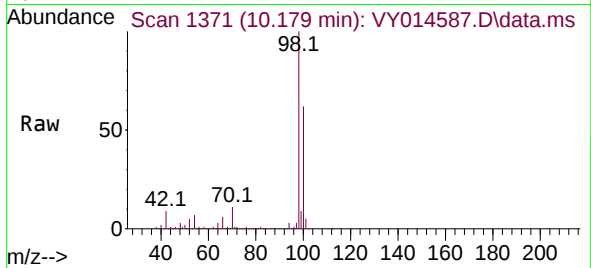




#50
Toluene-d8
Concen: 50.088 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

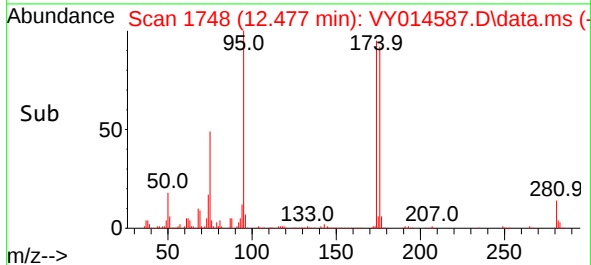
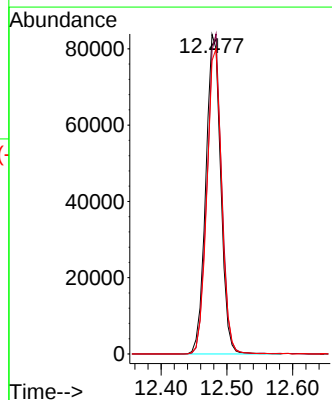
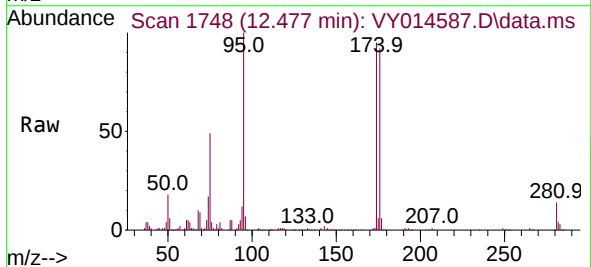
Instrument :
MSVOA_Y
ClientSampleId :
VOC

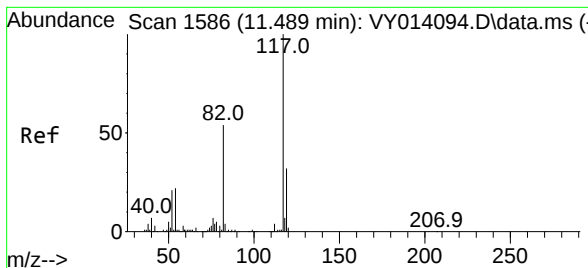
Tgt Ion: 98 Resp: 410190
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 46.418 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

Tgt Ion: 95 Resp: 131998
Ion Ratio Lower Upper
95 100
174 97.6 0.0 178.2
176 94.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014587.D

Acq: 06 Jul 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VOC

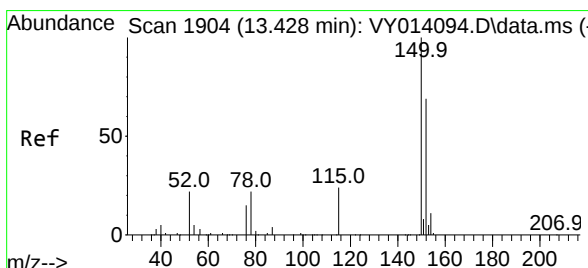
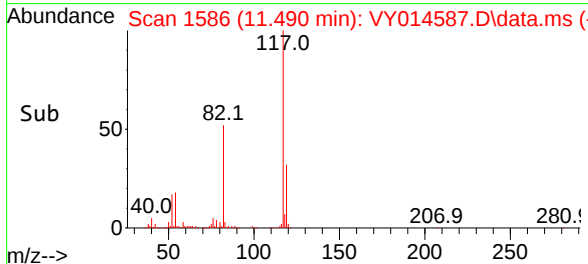
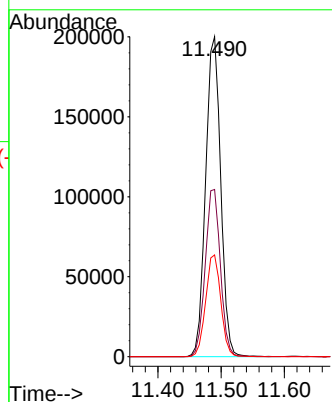
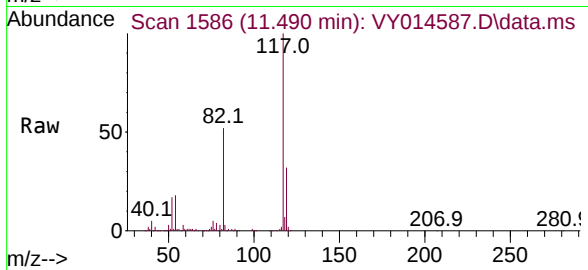
Tgt Ion:117 Resp: 332173

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014587.D

Acq: 06 Jul 2023 14:42

Tgt Ion:152 Resp: 153972

Ion Ratio Lower Upper

152 100

115 54.0 28.8 86.5

150 154.4 0.0 348.8

