

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014115.D
 Acq On : 12 Jun 2023 13:12
 Operator : KP/MD
 Sample : 03072-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 30100

Quant Time: Jun 13 05:41:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	114728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	190556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	197260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95952	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	75184	47.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.120%
35) Dibromofluoromethane	7.716	113	63585	47.052	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.100%
50) Toluene-d8	10.179	98	238159	47.139	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.280%
62) 4-Bromofluorobenzene	12.477	95	80946	45.102	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.200%

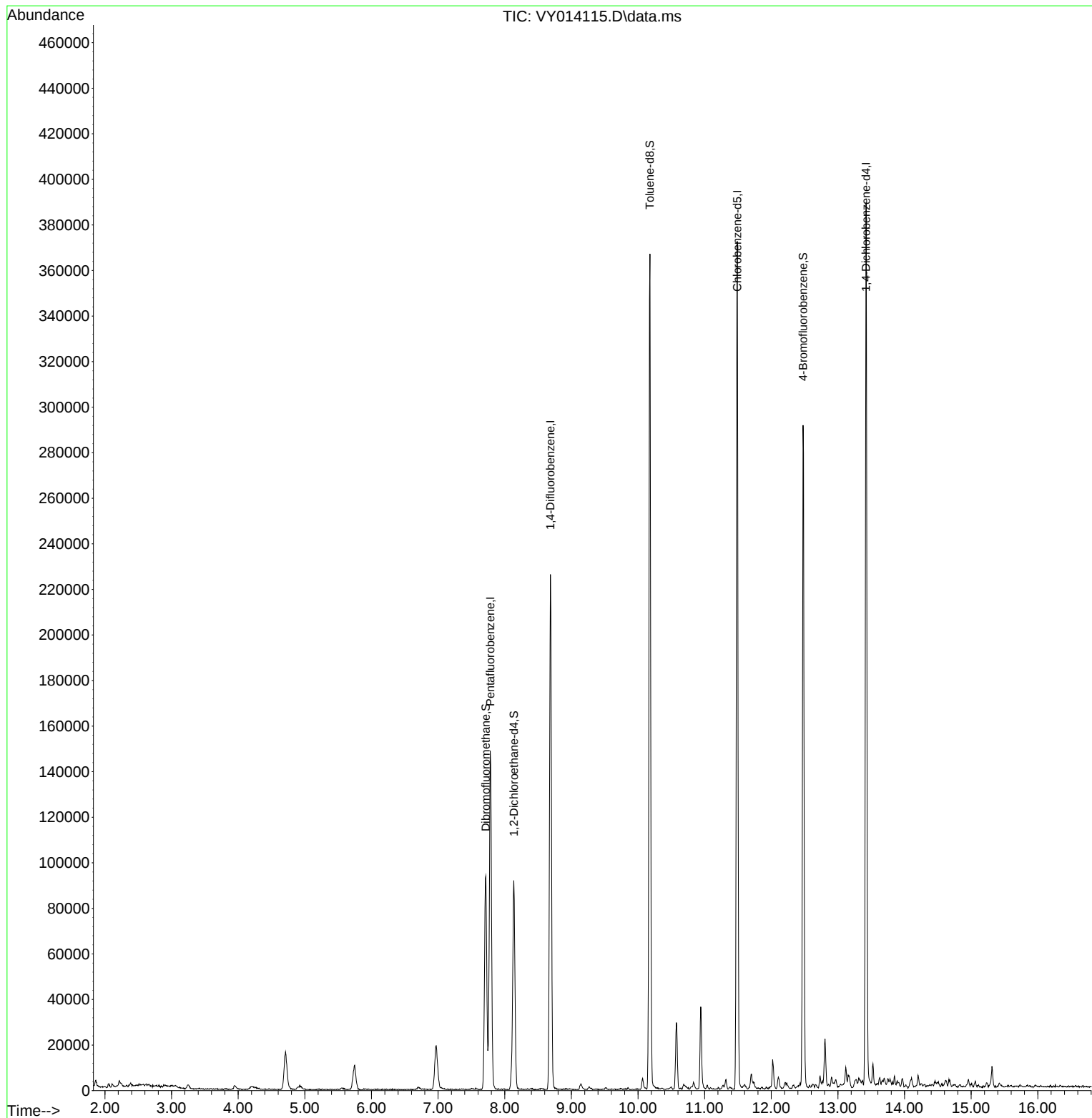
Target Compounds	Qvalue

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

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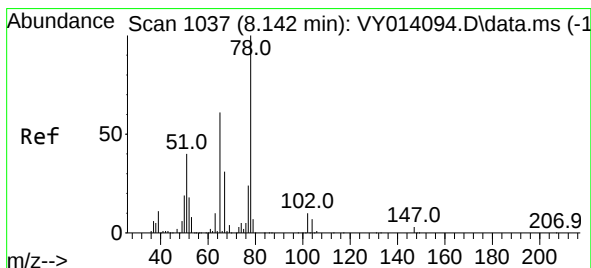
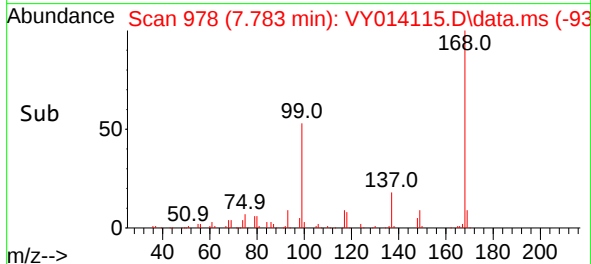
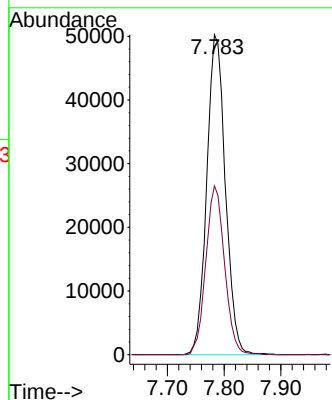
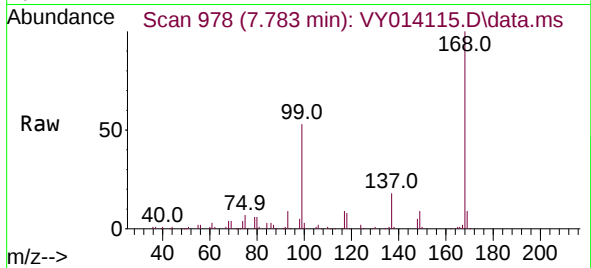




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

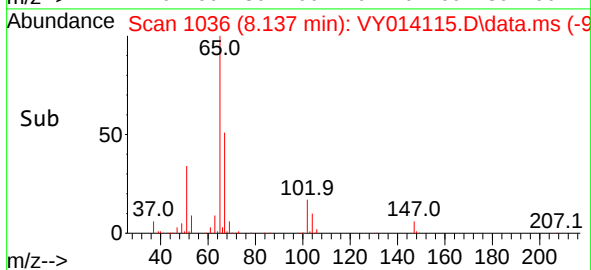
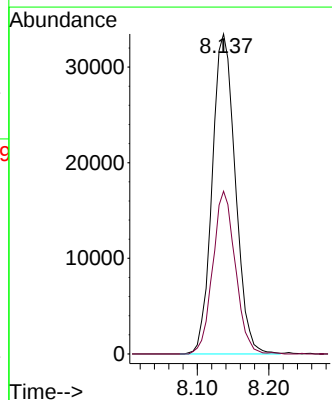
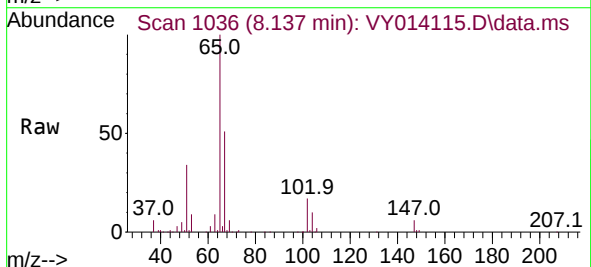
Instrument :
MSVOA_Y
ClientSampleId :
30100

Tgt Ion:168 Resp: 114728
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 47.060 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Tgt Ion: 65 Resp: 75184
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.8

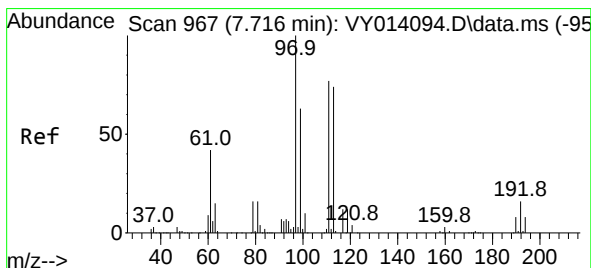
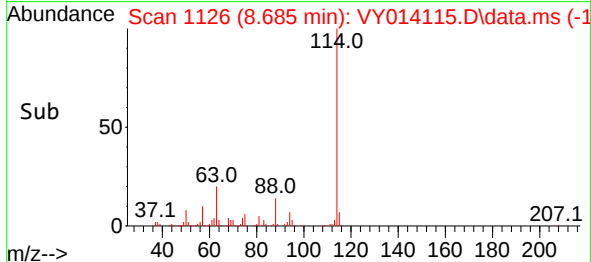
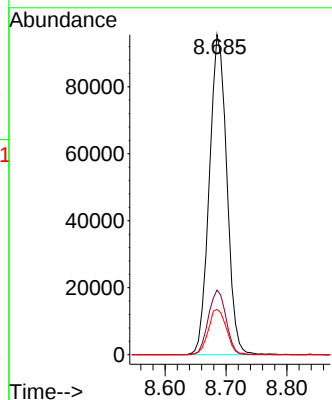
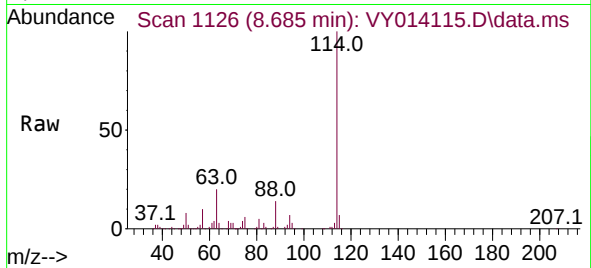




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

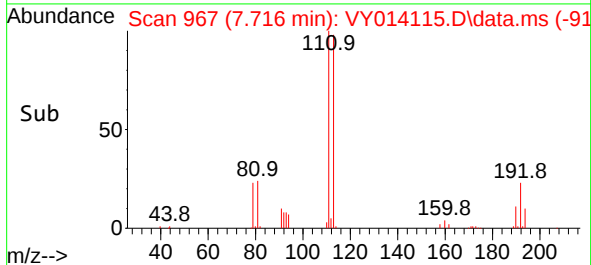
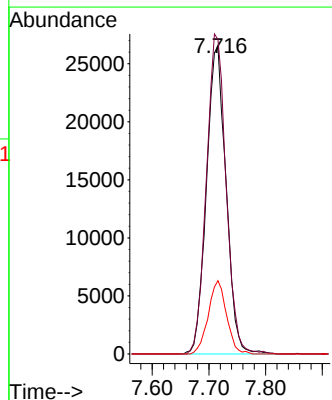
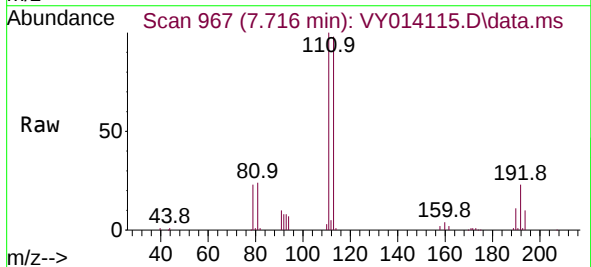
Instrument :
MSVOA_Y
ClientSampleId :
30100

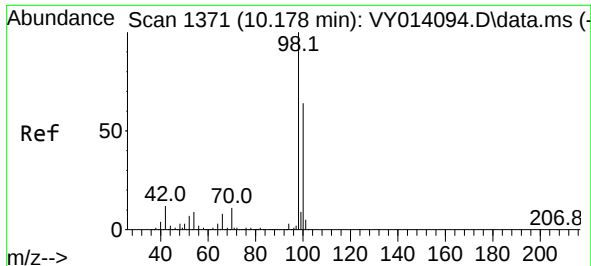
Tgt Ion:114 Resp: 190556
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.4
88 14.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.052 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Tgt Ion:113 Resp: 63585
Ion Ratio Lower Upper
113 100
111 104.3 81.3 121.9
192 22.2 16.9 25.3

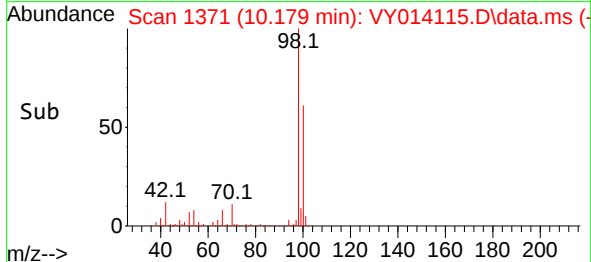
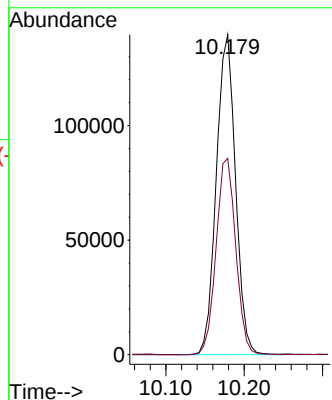
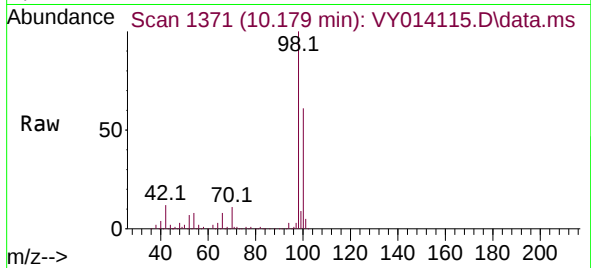




#50
Toluene-d8
Concen: 47.139 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

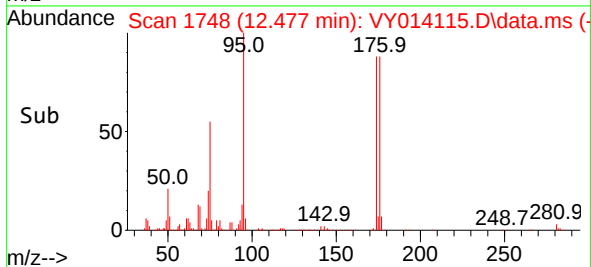
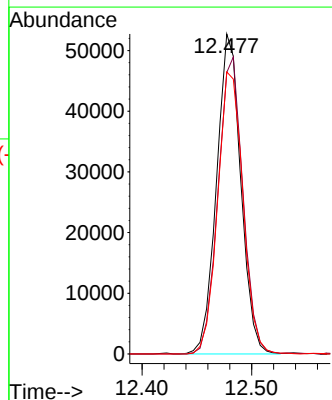
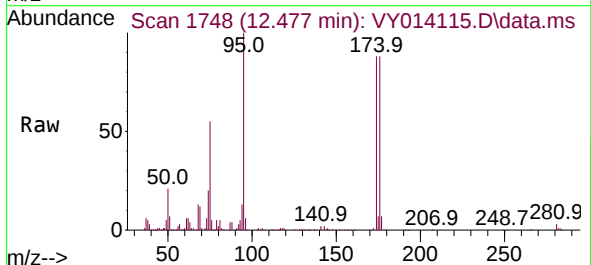
Instrument :
MSVOA_Y
ClientSampleId :
30100

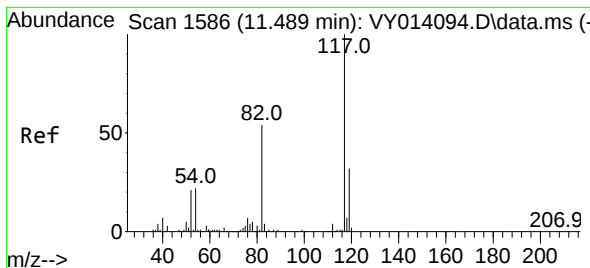
Tgt Ion: 98 Resp: 238159
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.102 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014115.D
Acq: 12 Jun 2023 13:12

Tgt Ion: 95 Resp: 80946
Ion Ratio Lower Upper
95 100
174 95.2 0.0 178.2
176 91.8 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: VY014115.D

Acq: 12 Jun 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

30100

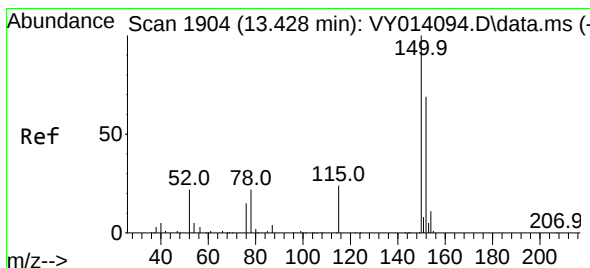
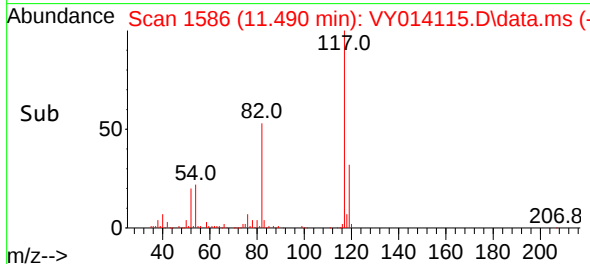
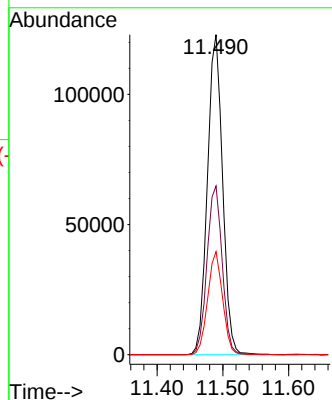
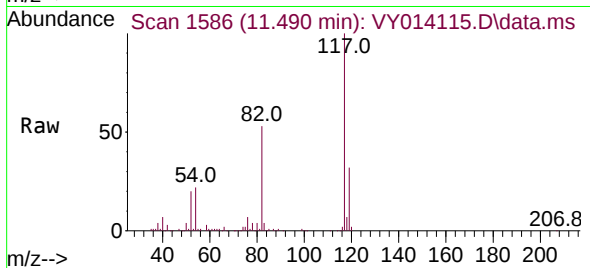
Tgt Ion:117 Resp: 197260

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 32.2 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: VY014115.D

Acq: 12 Jun 2023 13:12

Tgt Ion:152 Resp: 95952

Ion Ratio Lower Upper

152 100

115 56.1 28.8 86.5

150 153.3 0.0 348.8

