

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014783.D
 Acq On : 24 Jul 2023 19:28
 Operator : SY/MD
 Sample : 03724-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 185465

Quant Time: Jul 25 01:32:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	179177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	314073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	299883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142987	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112845	55.268	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.540%
35) Dibromofluoromethane	7.716	113	98191	49.112	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.220%
50) Toluene-d8	10.179	98	369258	50.096	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.200%
62) 4-Bromofluorobenzene	12.477	95	138537	49.016	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.040%

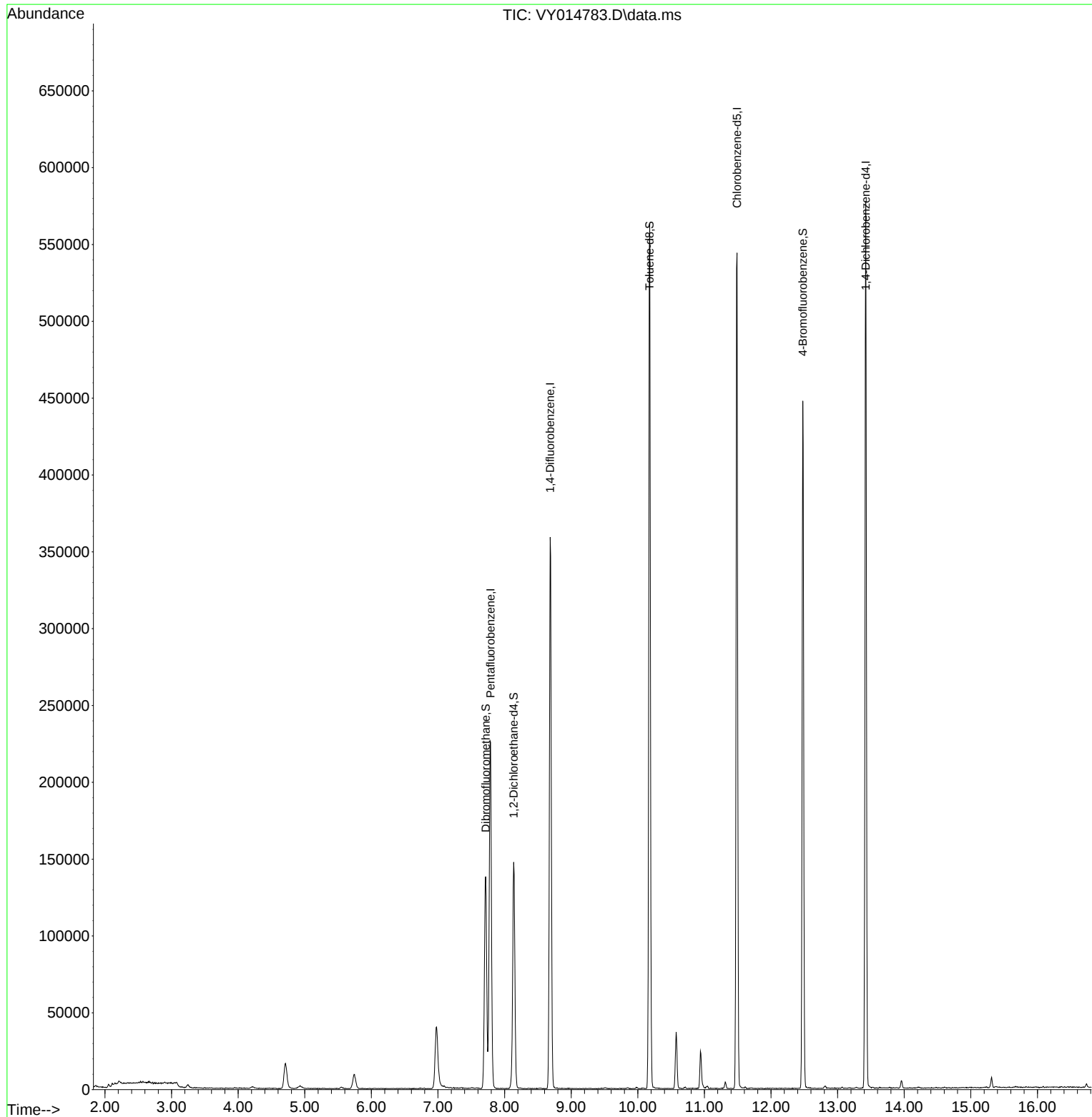
Target Compounds	Qvalue

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

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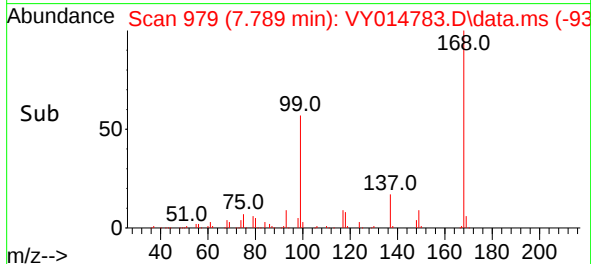
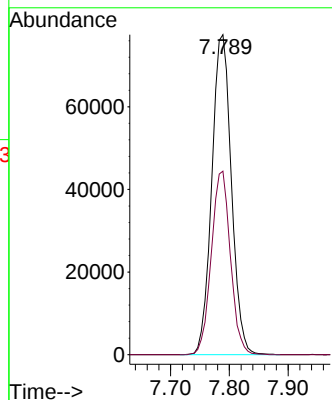
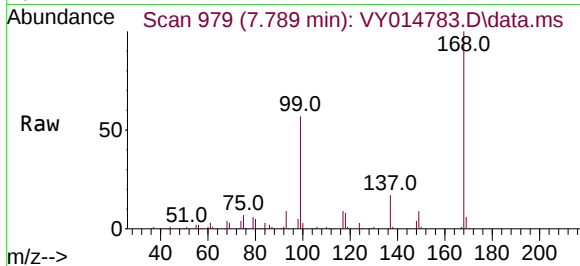




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

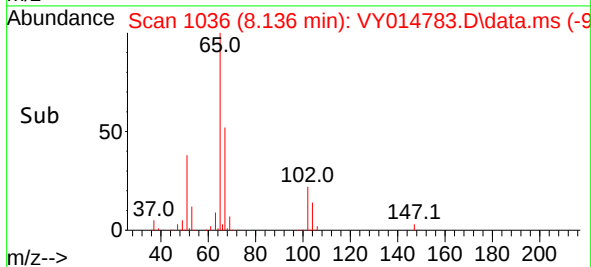
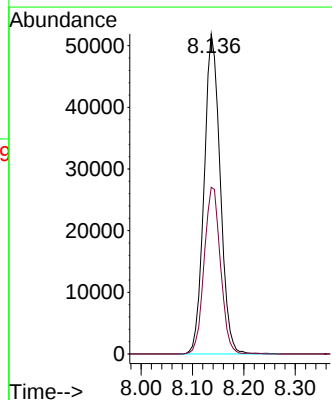
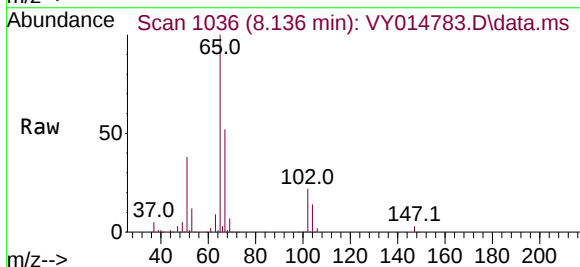
Instrument :
MSVOA_Y
ClientSampleId :
185465

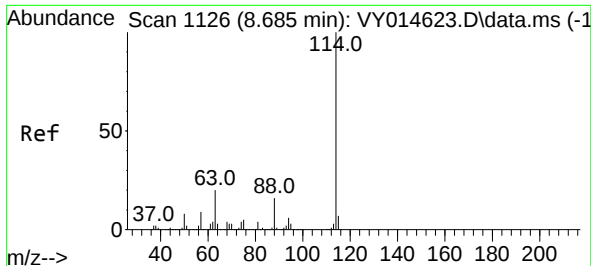
Tgt Ion:168 Resp: 179177
Ion Ratio Lower Upper
168 100
99 57.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 55.268 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

Tgt Ion: 65 Resp: 112845
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8

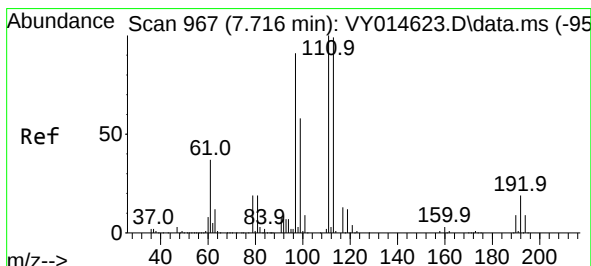
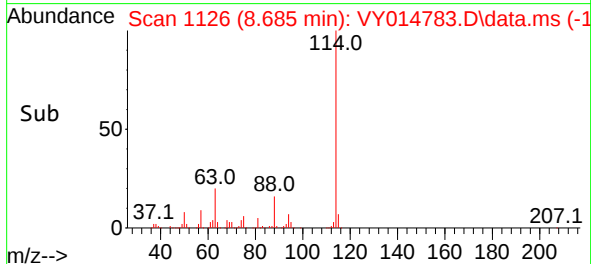
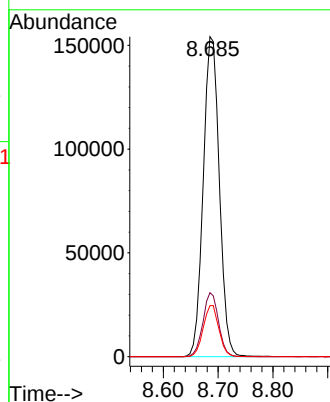
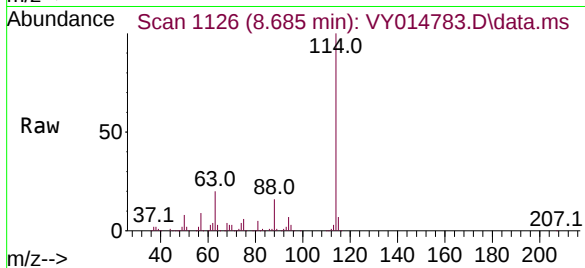




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

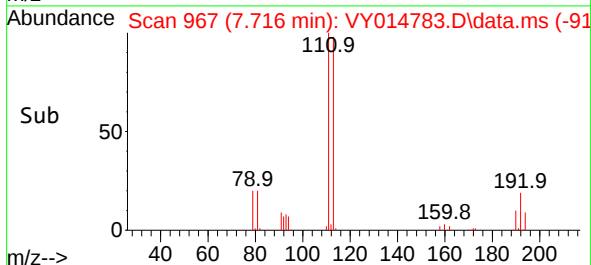
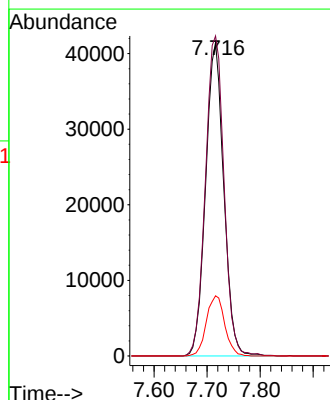
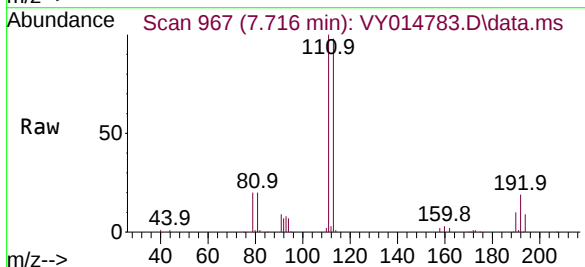
Instrument :
MSVOA_Y
ClientSampleId :
185465

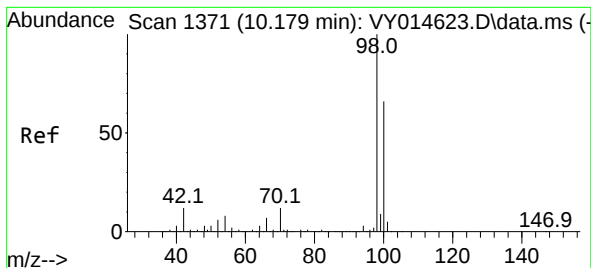
Tgt Ion:114 Resp: 314073
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.4
88 16.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.112 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

Tgt Ion:113 Resp: 98191
Ion Ratio Lower Upper
113 100
111 105.1 81.3 121.9
192 19.5 16.9 25.3





#50

Toluene-d8

Concen: 50.096 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014783.D

Acq: 24 Jul 2023 19:28

Instrument :

MSVOA_Y

ClientSampleId :

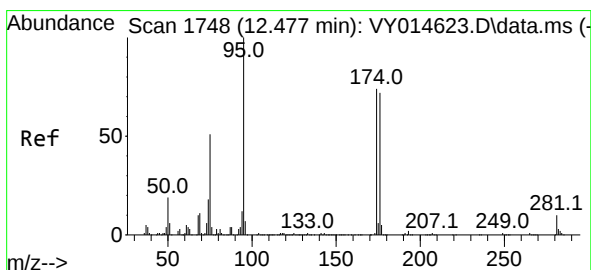
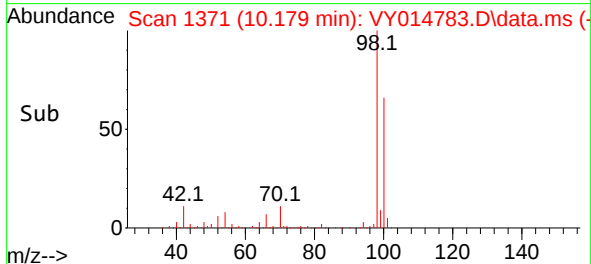
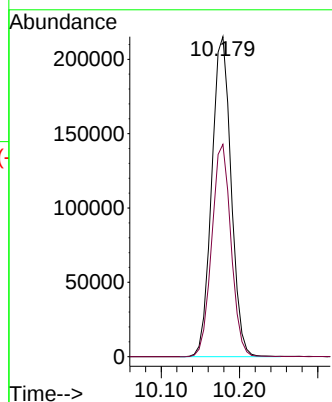
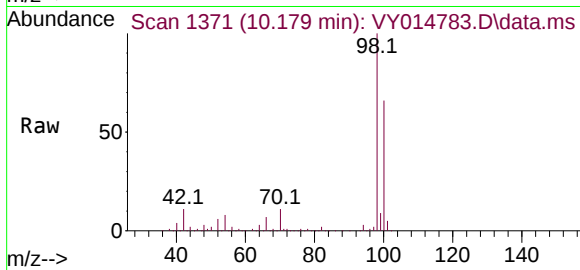
185465

Tgt Ion: 98 Resp: 369258

Ion Ratio Lower Upper

98 100

100 65.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.016 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014783.D

Acq: 24 Jul 2023 19:28

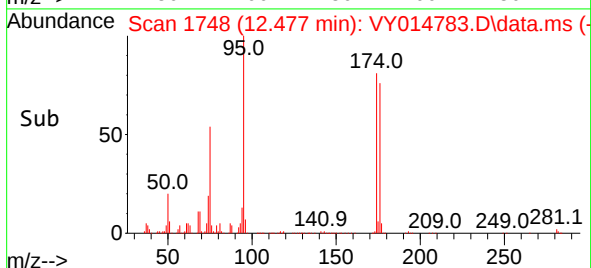
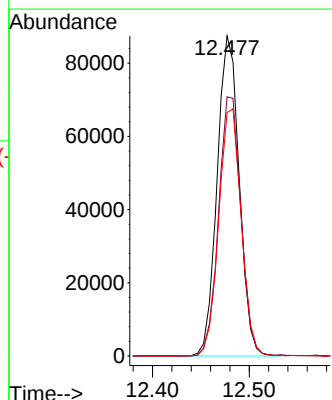
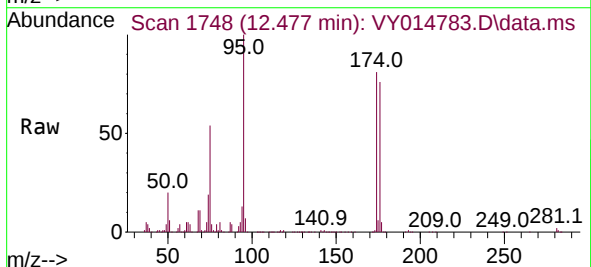
Tgt Ion: 95 Resp: 138537

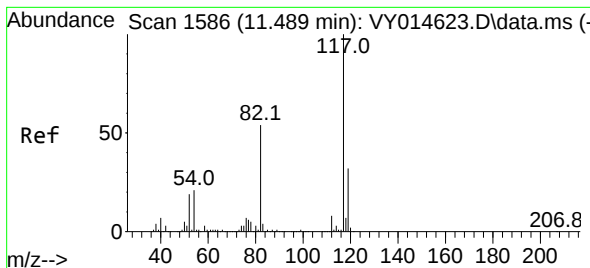
Ion Ratio Lower Upper

95 100

174 81.8 0.0 178.2

176 78.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014783.D

Acq: 24 Jul 2023 19:28

Instrument :

MSVOA_Y

ClientSampleId :

185465

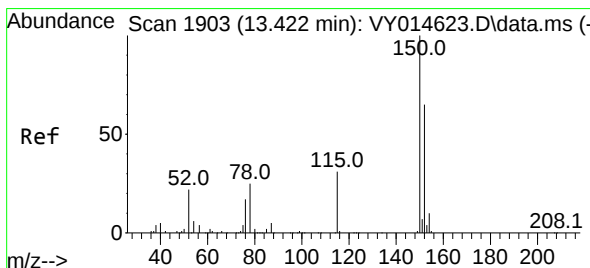
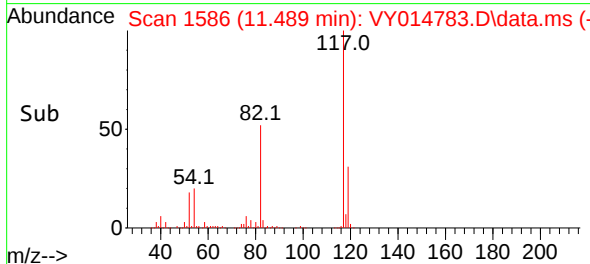
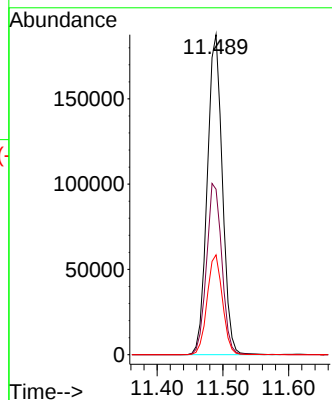
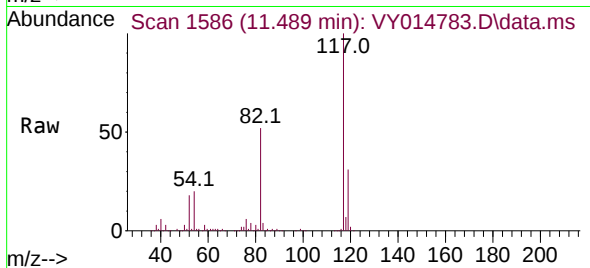
Tgt Ion:117 Resp: 299883

Ion Ratio Lower Upper

117 100

82 51.7 43.4 65.0

119 31.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014783.D

Acq: 24 Jul 2023 19:28

Tgt Ion:152 Resp: 142987

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 156.4 0.0 348.8

