

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014522.D
 Acq On : 30 Jun 2023 17:53
 Operator : KP/MD
 Sample : 03428-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-APM-0621-2

Quant Time: Jun 30 23:19:57 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	7.789	168	289964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	448093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	426064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	198842	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	147694	51.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.400%
35) Dibromofluoromethane	7.715	113	142151	51.515	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.040%
50) Toluene-d8	10.178	98	524847	48.115	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.240%
62) 4-Bromofluorobenzene	12.477	95	170161	44.924	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.840%

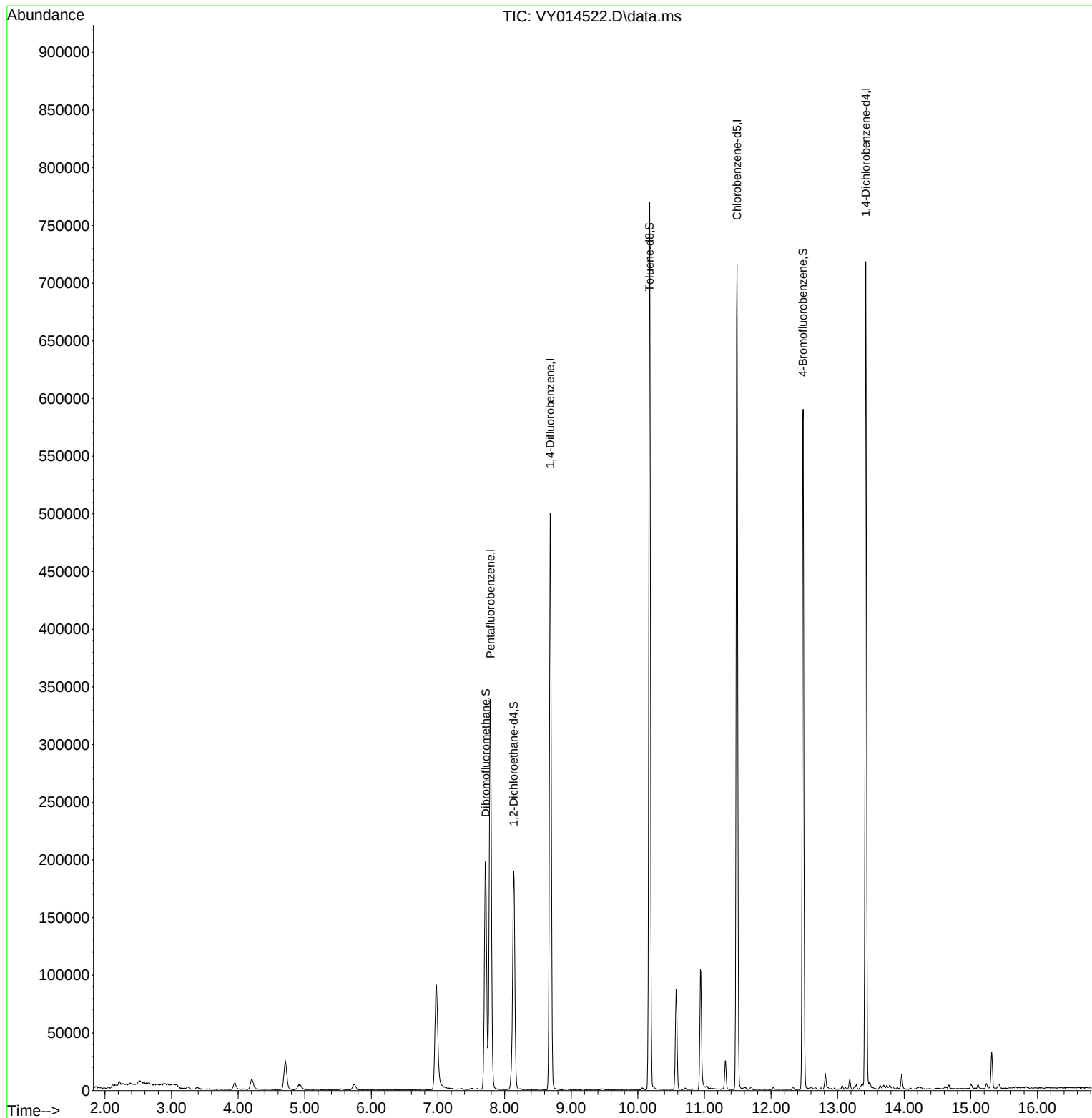
Target Compounds	Qvalue

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

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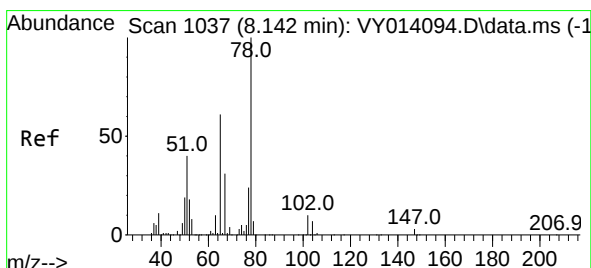
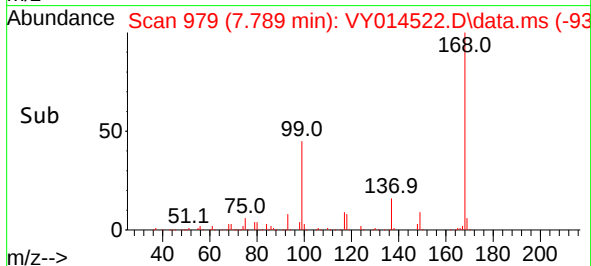
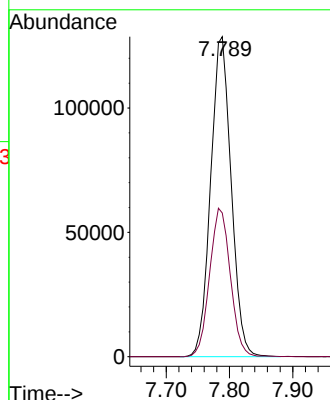
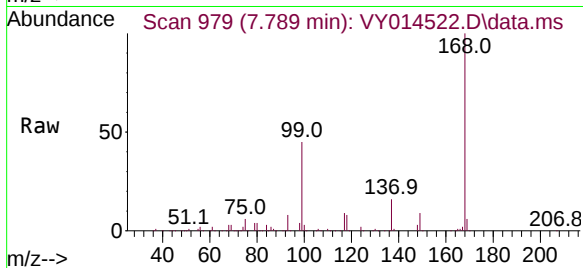




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

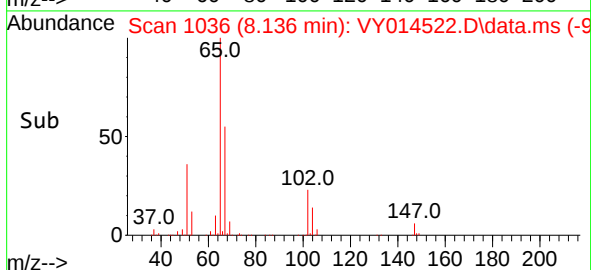
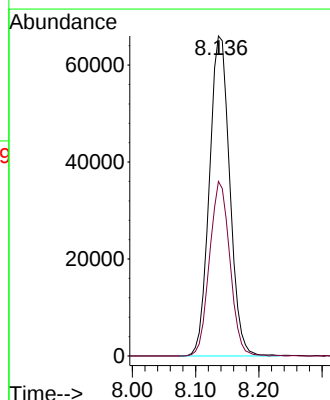
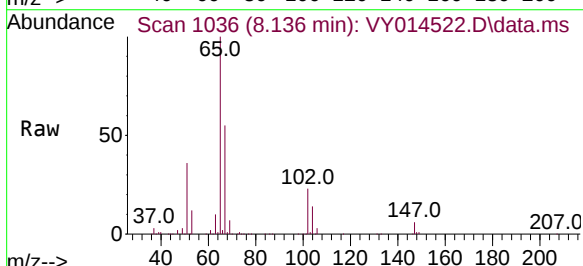
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

Tgt Ion:168 Resp: 289964
Ion Ratio Lower Upper
168 100
99 44.9 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 51.202 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

Tgt Ion: 65 Resp: 147694
Ion Ratio Lower Upper
65 100
67 54.3 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: VY014522.D

Acq: 30 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-APM-0621-2

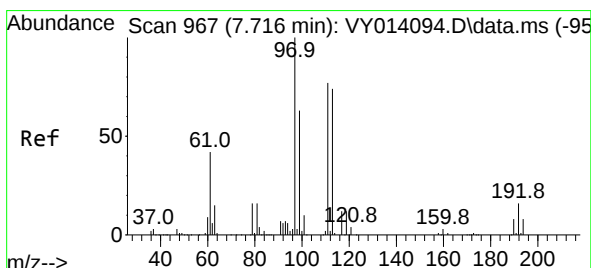
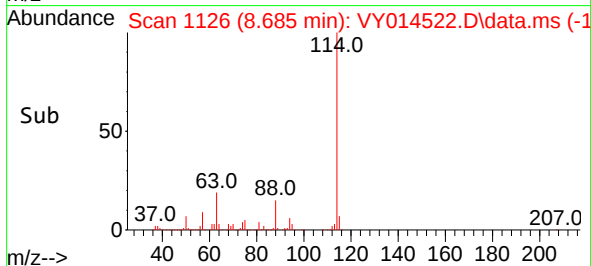
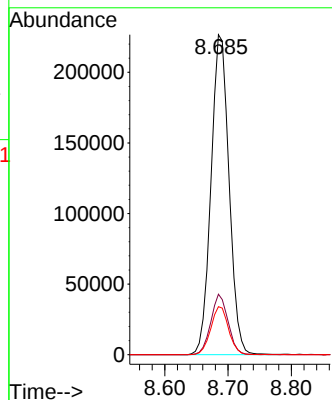
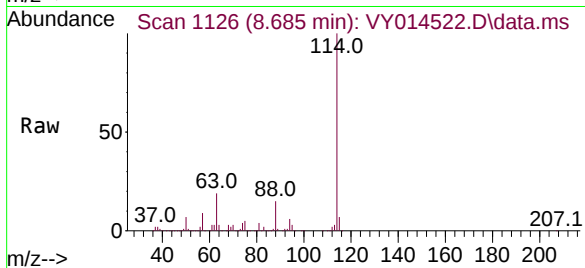
Tgt Ion:114 Resp: 448093

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.515 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY014522.D

Acq: 30 Jun 2023 17:53

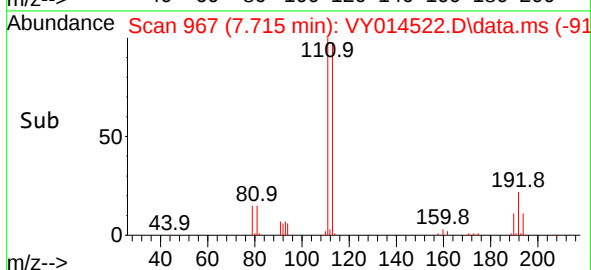
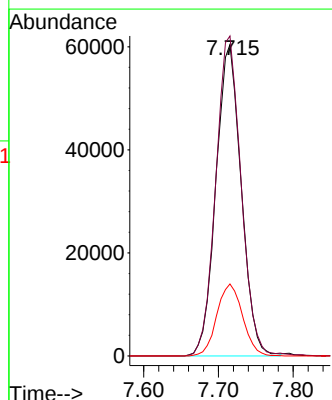
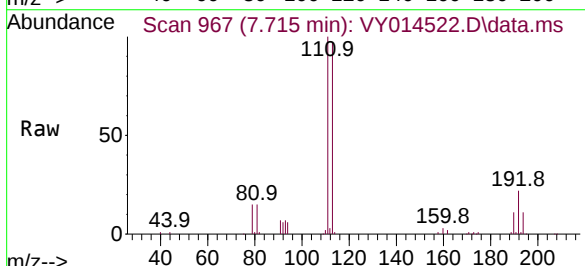
Tgt Ion:113 Resp: 142151

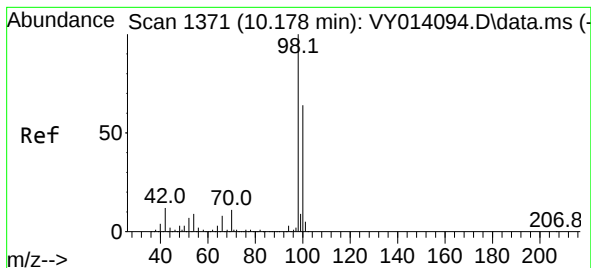
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 23.6 16.9 25.3





#50

Toluene-d8

Concen: 48.115 ug/l

RT: 10.178 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014522.D

Acq: 30 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

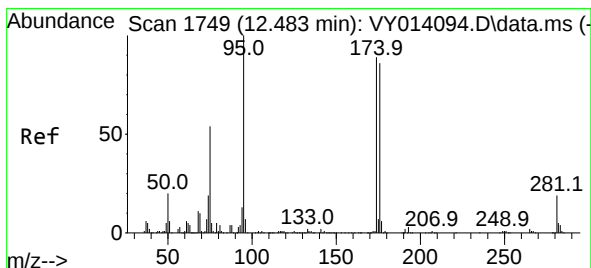
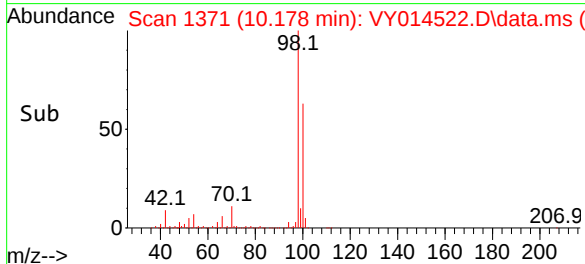
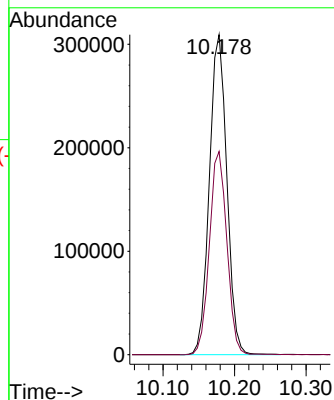
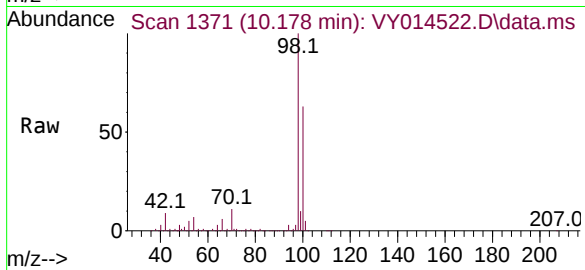
PNNL-APM-0621-2

Tgt Ion: 98 Resp: 524847

Ion Ratio Lower Upper

98 100

100 63.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 44.924 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014522.D

Acq: 30 Jun 2023 17:53

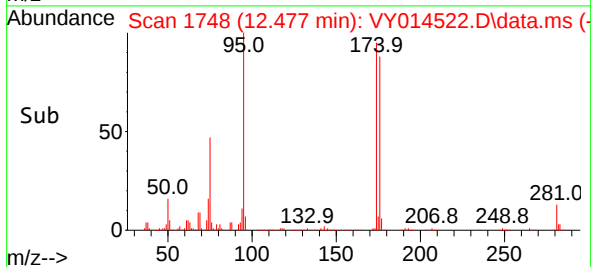
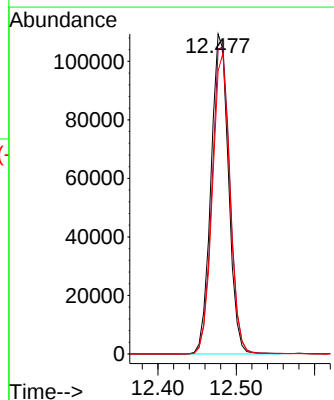
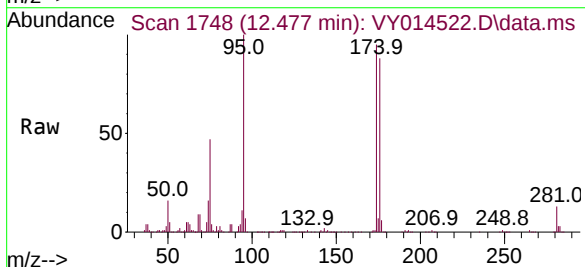
Tgt Ion: 95 Resp: 170161

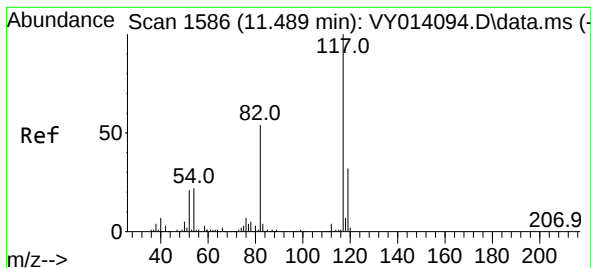
Ion Ratio Lower Upper

95 100

174 98.8 0.0 178.2

176 93.7 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: VY014522.D

Acq: 30 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-APM-0621-2

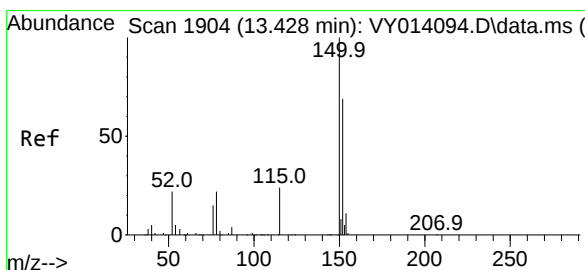
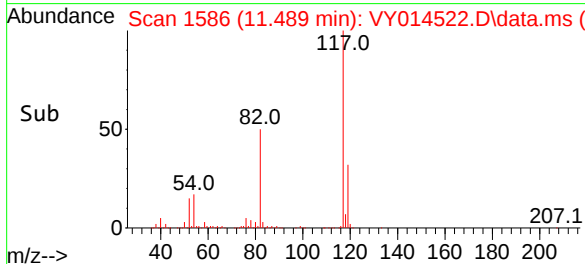
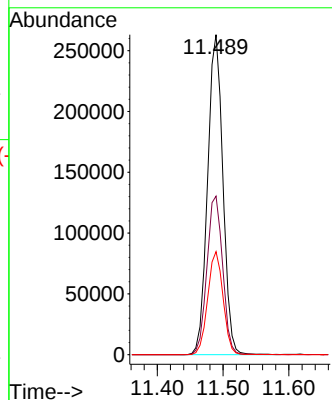
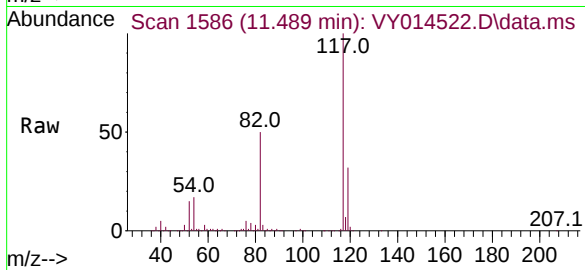
Tgt Ion:117 Resp: 426064

Ion Ratio Lower Upper

117 100

82 49.5 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: VY014522.D

Acq: 30 Jun 2023 17:53

Tgt Ion:152 Resp: 198842

Ion Ratio Lower Upper

152 100

115 53.2 28.8 86.5

150 155.9 0.0 348.8

