

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014331.D
 Acq On : 21 Jun 2023 13:24
 Operator : KP/MD
 Sample : 03335-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-7-061923

Quant Time: Jun 22 01:56:41 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	7.789	168	6693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	11821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5093	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	7152	76.737	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.480%
35) Dibromofluoromethane	7.710	113	3638	43.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.800%
50) Toluene-d8	10.179	98	14128	45.078	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.160%
62) 4-Bromofluorobenzene	12.483	95	4505	40.464	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.920%

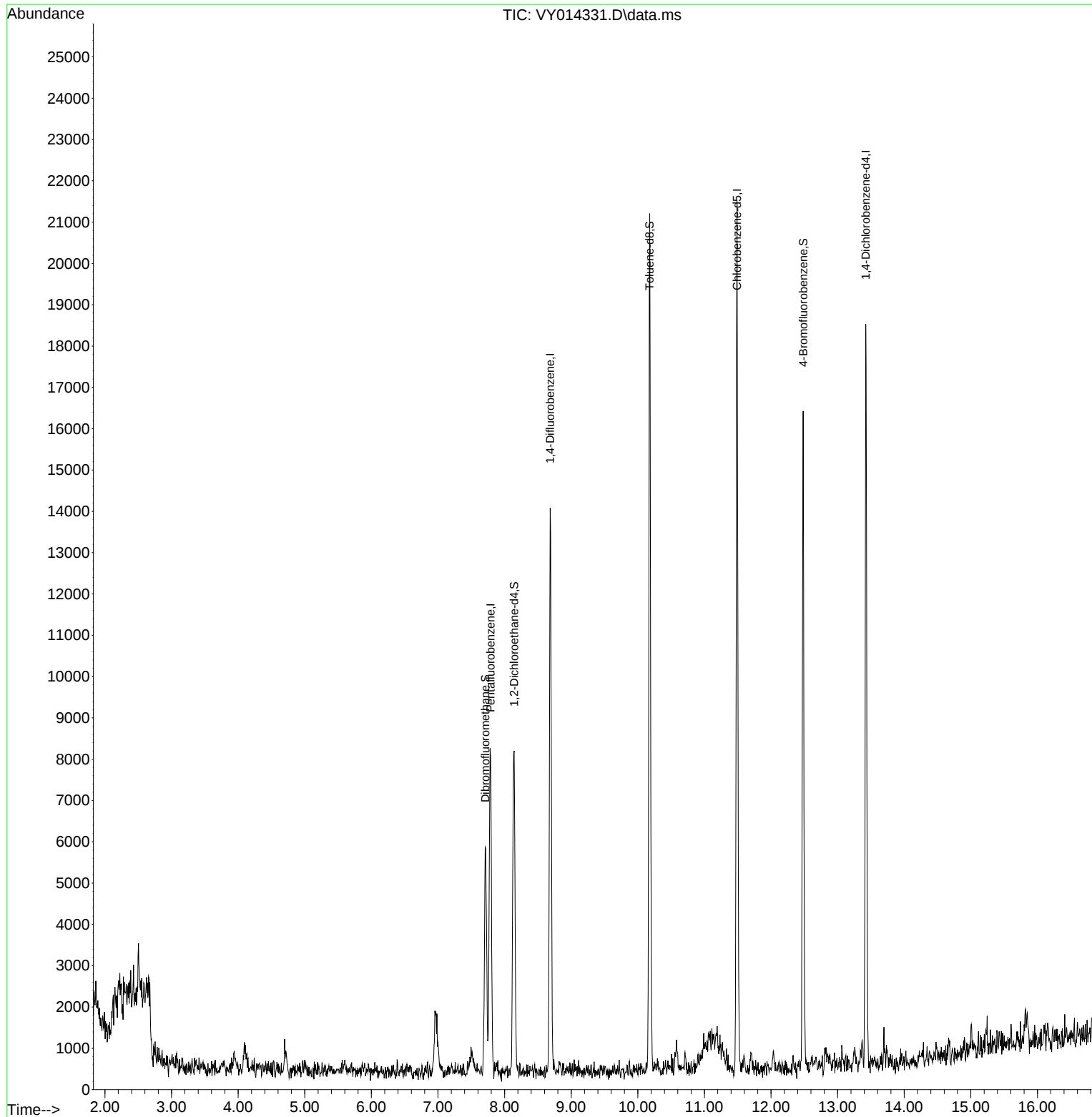
Target Compounds	Qvalue

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

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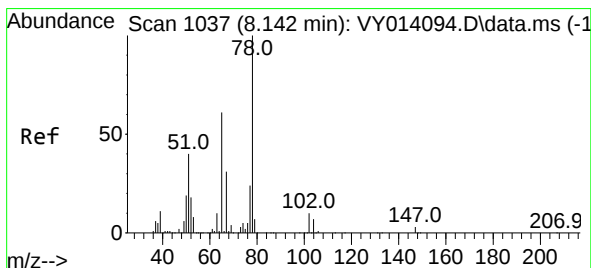
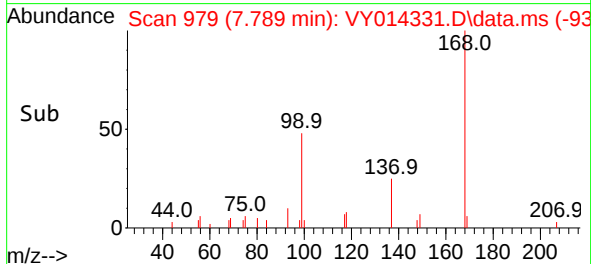
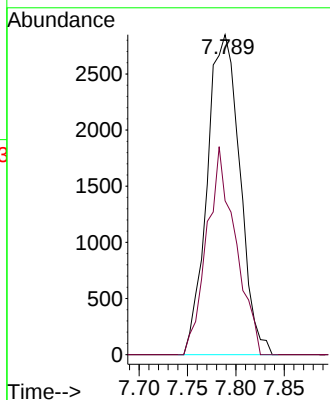
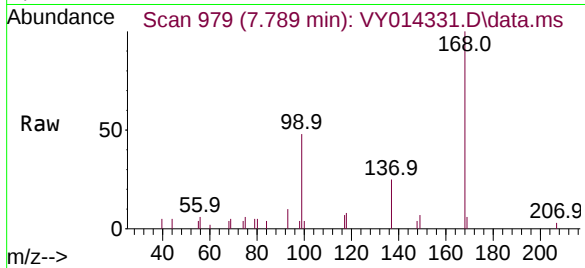




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

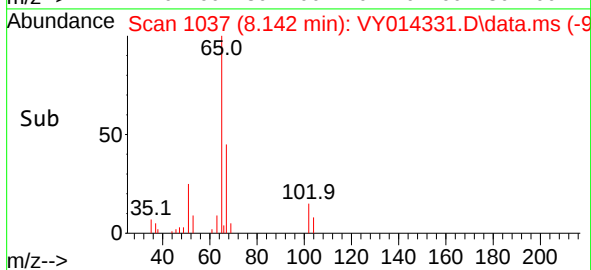
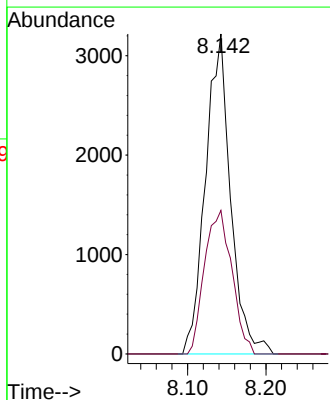
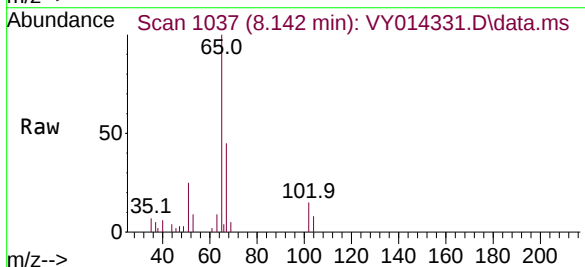
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-061923

Tgt Ion:168 Resp: 6693
Ion Ratio Lower Upper
168 100
99 48.1 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 76.737 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014331.D
Acq: 21 Jun 2023 13:24

Tgt Ion: 65 Resp: 7152
Ion Ratio Lower Upper
65 100
67 49.0 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: VY014331.D

Acq: 21 Jun 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

NB-7-061923

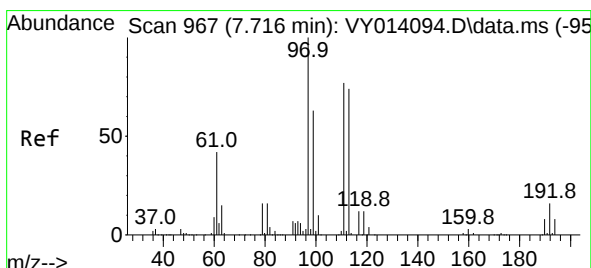
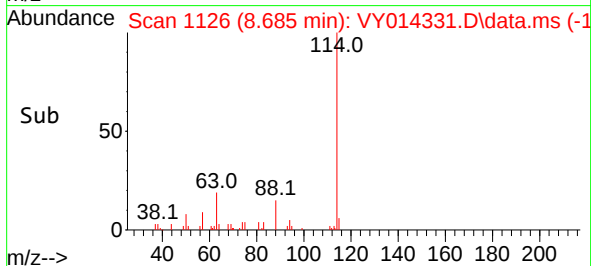
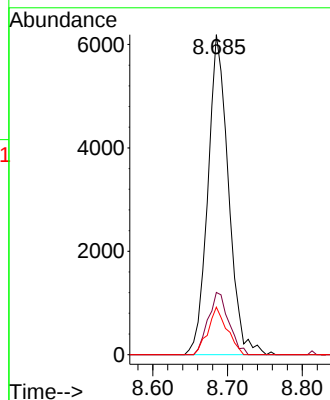
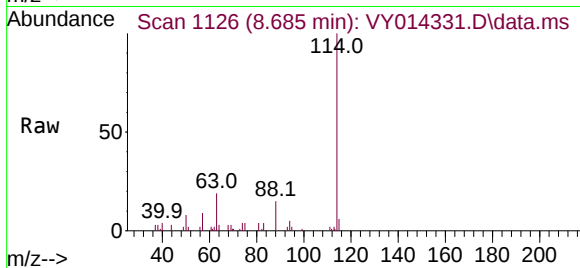
Tgt Ion:114 Resp: 11821

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 43.396 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014331.D

Acq: 21 Jun 2023 13:24

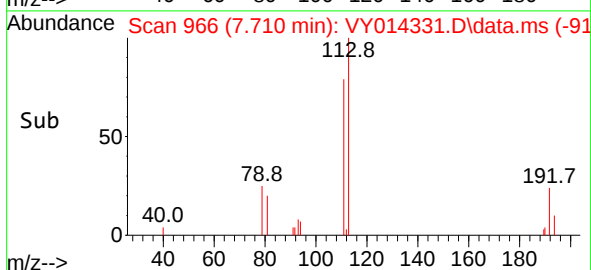
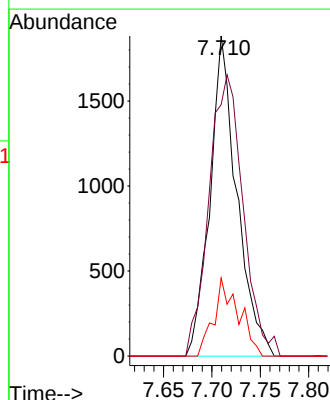
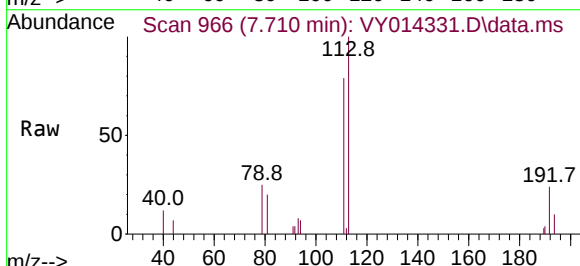
Tgt Ion:113 Resp: 3638

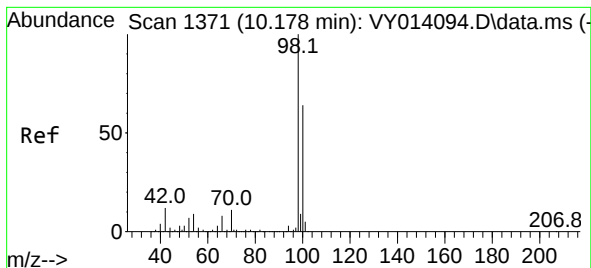
Ion Ratio Lower Upper

113 100

111 111.3 81.3 121.9

192 22.5 16.9 25.3





#50

Toluene-d8

Concen: 45.078 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014331.D

Acq: 21 Jun 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

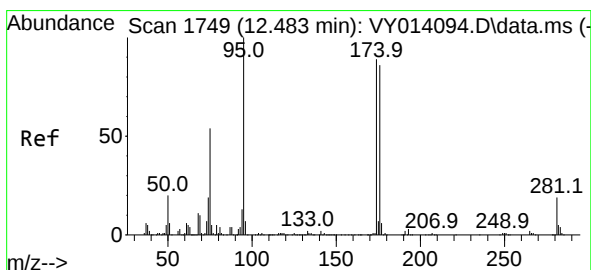
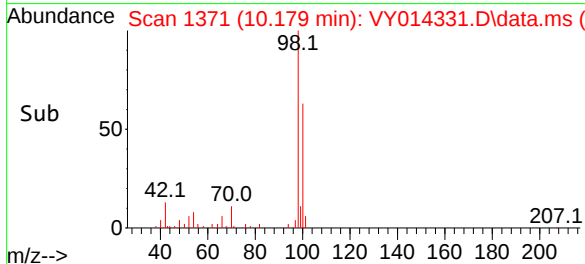
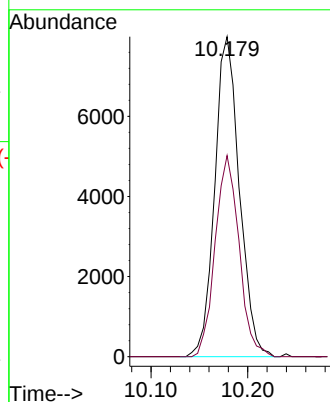
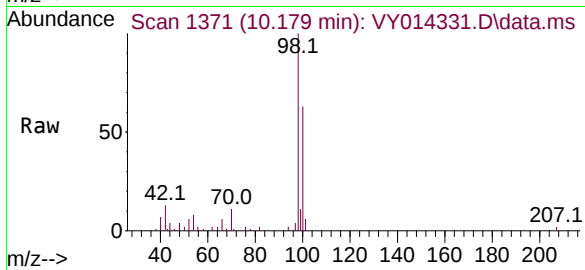
NB-7-061923

Tgt Ion: 98 Resp: 14128

Ion Ratio Lower Upper

98 100

100 61.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 40.464 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014331.D

Acq: 21 Jun 2023 13:24

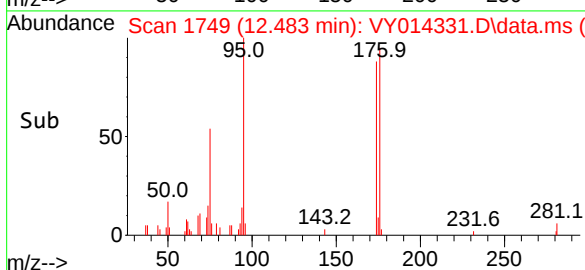
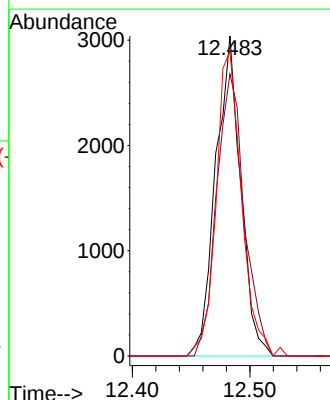
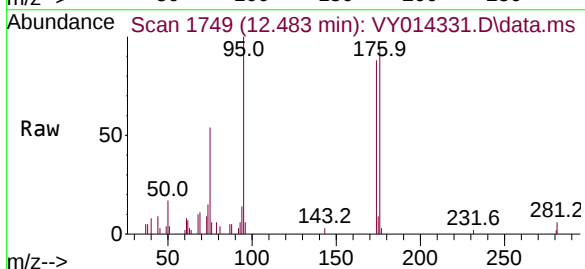
Tgt Ion: 95 Resp: 4505

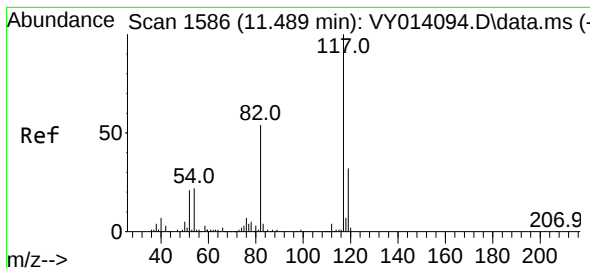
Ion Ratio Lower Upper

95 100

174 97.4 0.0 178.2

176 97.0 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: VY014331.D

Acq: 21 Jun 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

NB-7-061923

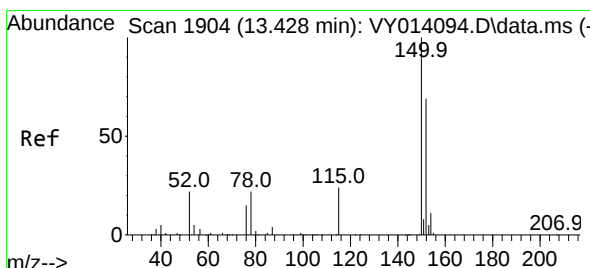
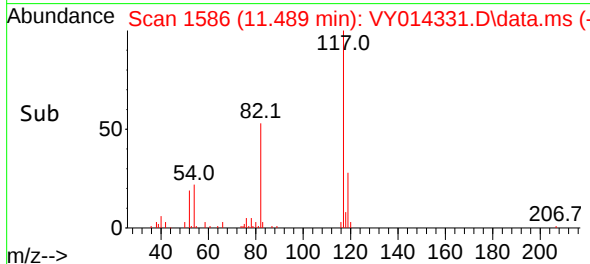
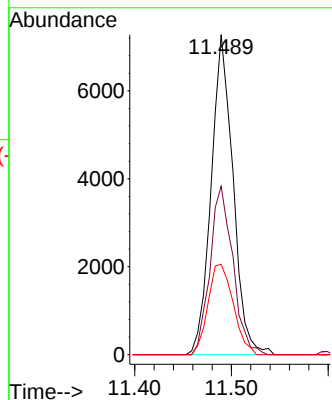
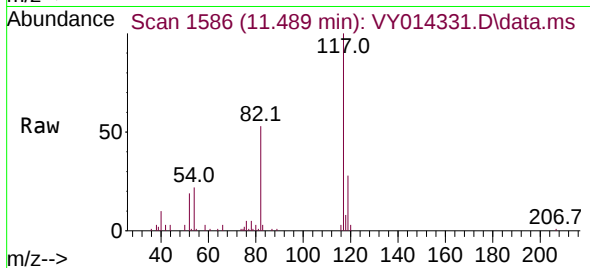
Tgt Ion:117 Resp: 11438

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 28.2 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: VY014331.D

Acq: 21 Jun 2023 13:24

Tgt Ion:152 Resp: 5093

Ion Ratio Lower Upper

152 100

115 54.3 28.8 86.5

150 149.0 0.0 348.8

