

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014489.D
 Acq On : 29 Jun 2023 10:34
 Operator : KP/MD
 Sample : VY0629SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0629SBL01

Quant Time: Jun 30 04:06:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	171818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	265739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	260240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123399	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	114883	53.853	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.700%
35) Dibromofluoromethane	7.716	113	85962	52.359	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.720%
50) Toluene-d8	10.179	98	318248	48.764	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.520%
62) 4-Bromofluorobenzene	12.477	95	104811	44.985	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.960%

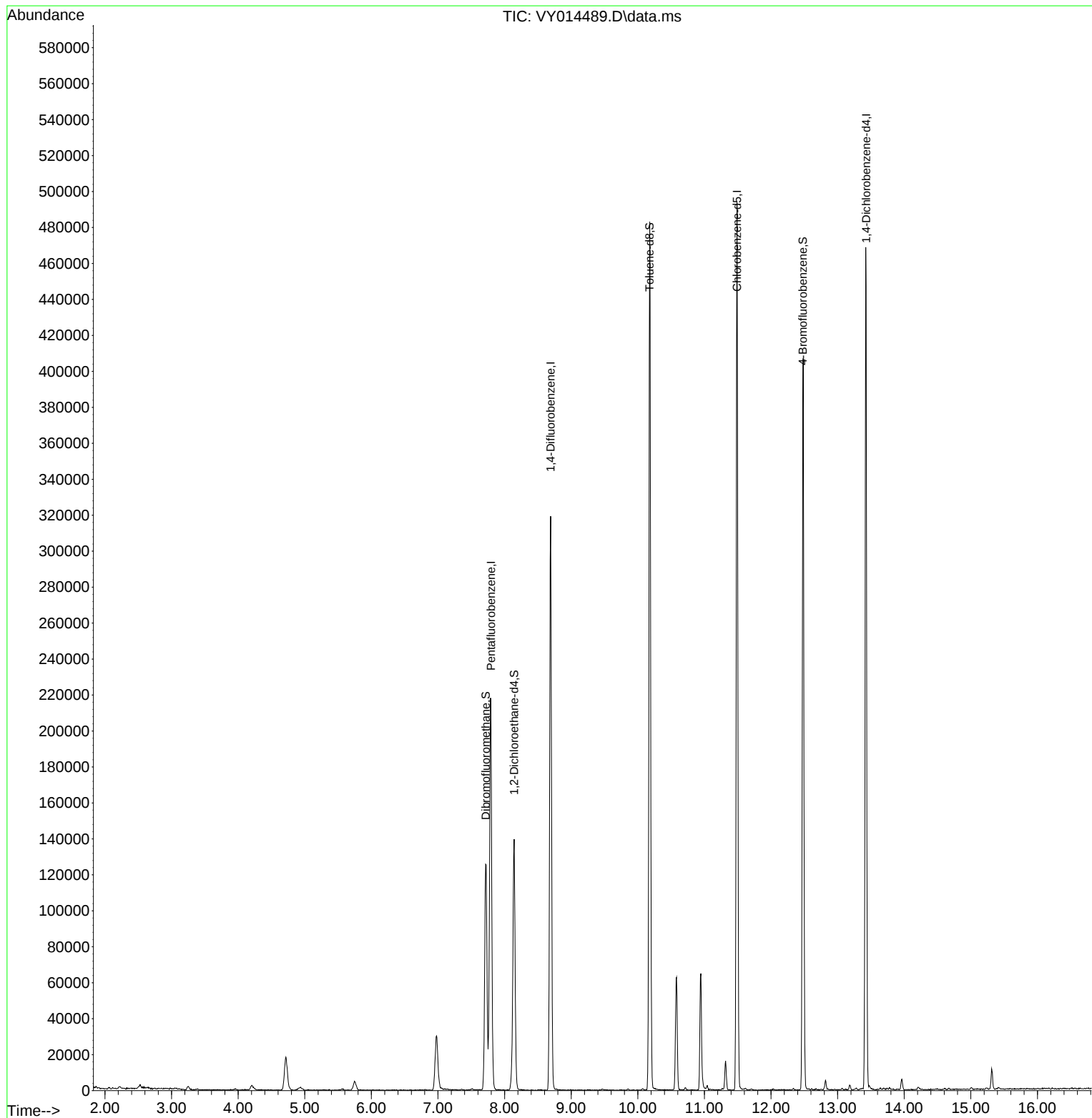
Target Compounds	Qvalue

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

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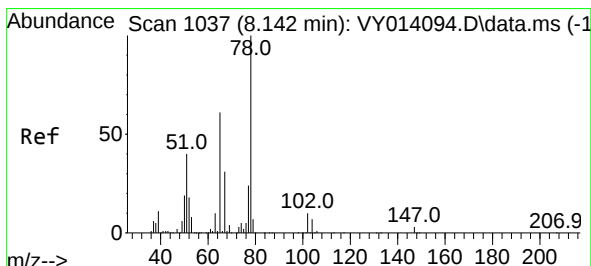
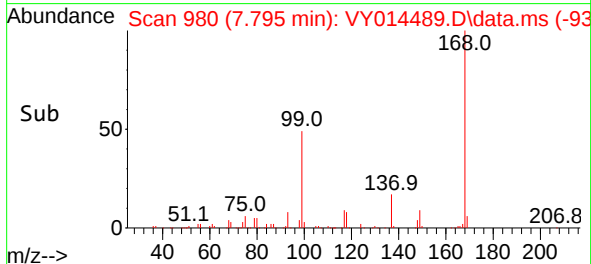
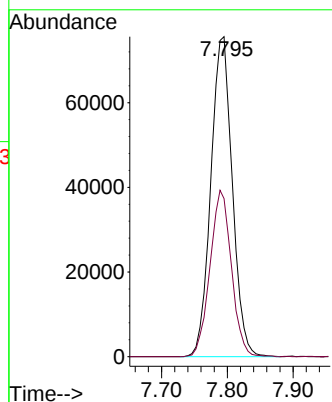
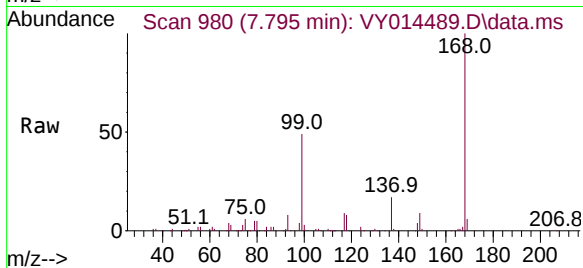




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014489.D
Acq: 29 Jun 2023 10:34

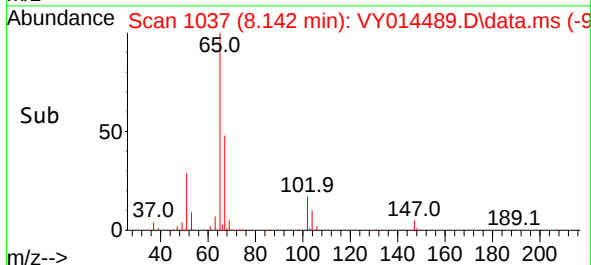
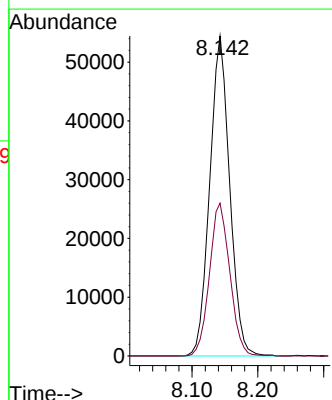
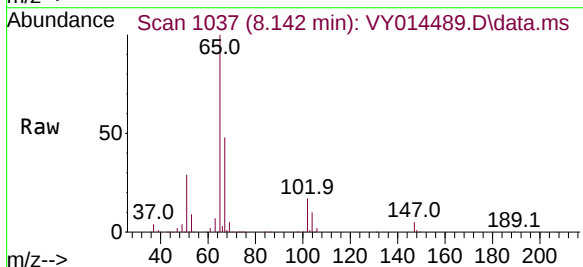
Instrument :
MSVOA_Y
ClientSampleId :
VY0629SBL01

Tgt Ion:168 Resp: 171818
Ion Ratio Lower Upper
168 100
99 49.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 53.853 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014489.D
Acq: 29 Jun 2023 10:34

Tgt Ion: 65 Resp: 114883
Ion Ratio Lower Upper
65 100
67 48.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014489.D

Acq: 29 Jun 2023 10:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0629SBL01

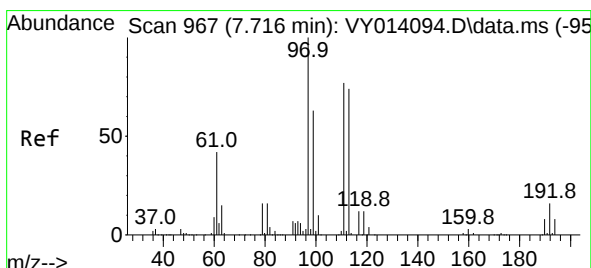
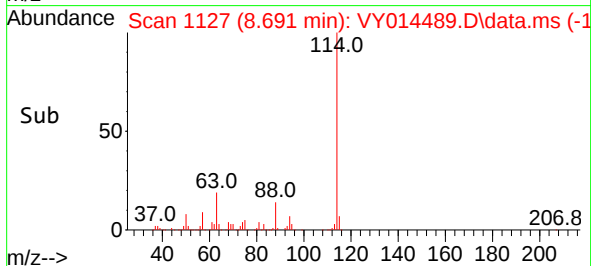
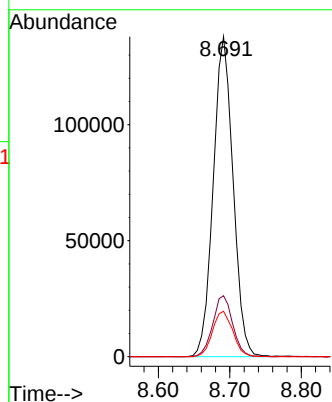
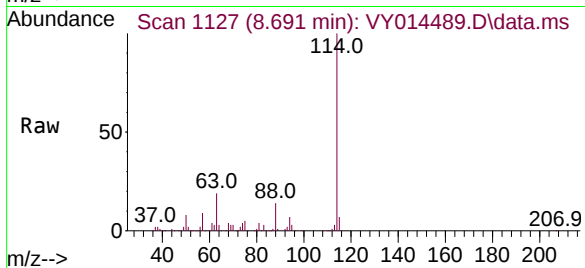
Tgt Ion:114 Resp: 265739

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.359 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014489.D

Acq: 29 Jun 2023 10:34

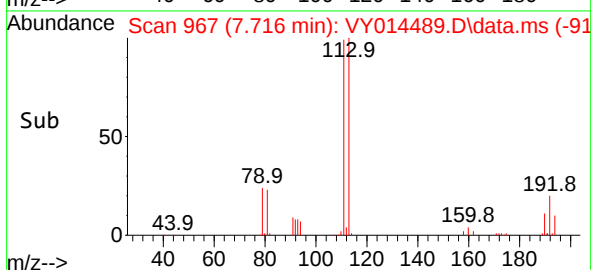
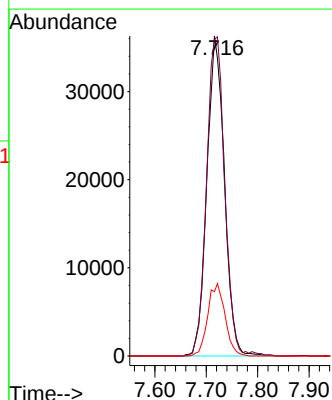
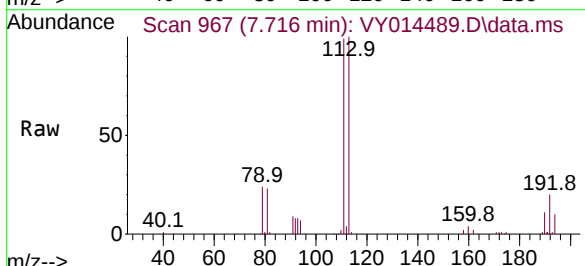
Tgt Ion:113 Resp: 85962

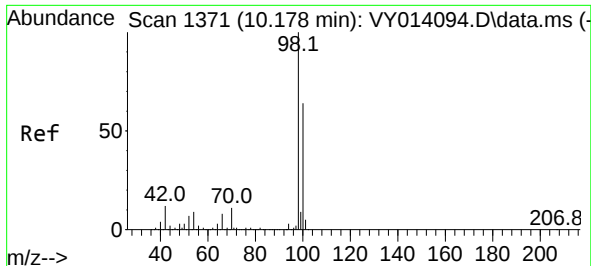
Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

192 22.3 16.9 25.3

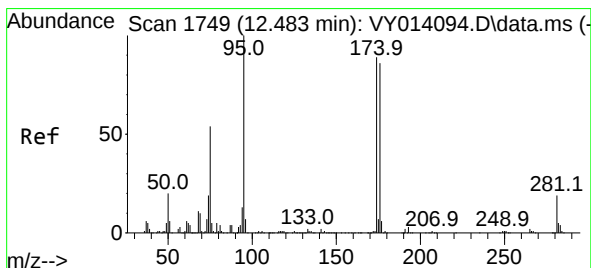
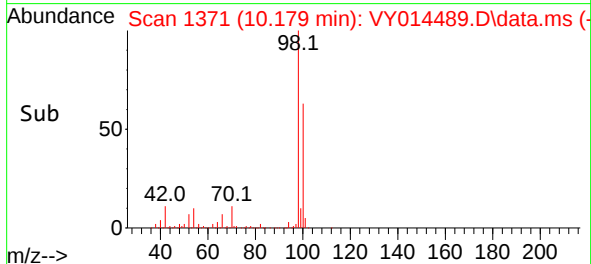
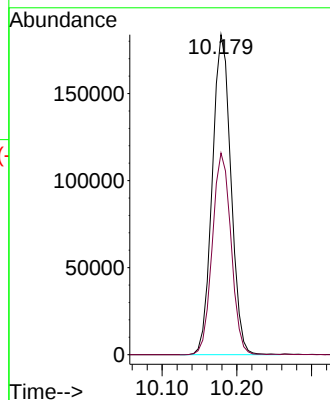
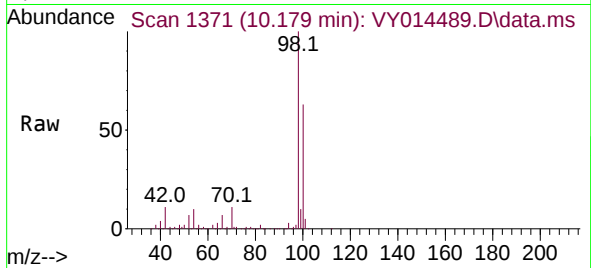




#50
Toluene-d8
Concen: 48.764 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014489.D
Acq: 29 Jun 2023 10:34

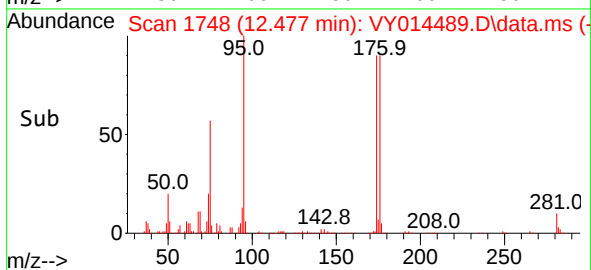
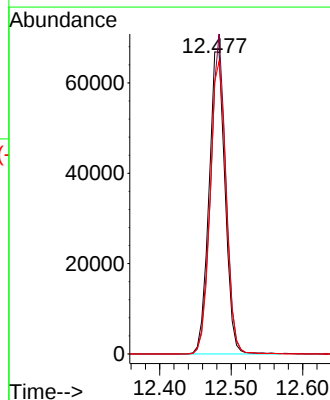
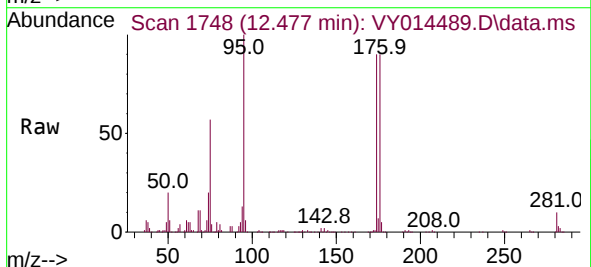
Instrument :
MSVOA_Y
ClientSampleId :
VY0629SBL01

Tgt Ion: 98 Resp: 318248
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.985 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014489.D
Acq: 29 Jun 2023 10:34

Tgt Ion: 95 Resp: 104811
Ion Ratio Lower Upper
95 100
174 99.7 0.0 178.2
176 95.7 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: VY014489.D

Acq: 29 Jun 2023 10:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0629SBL01

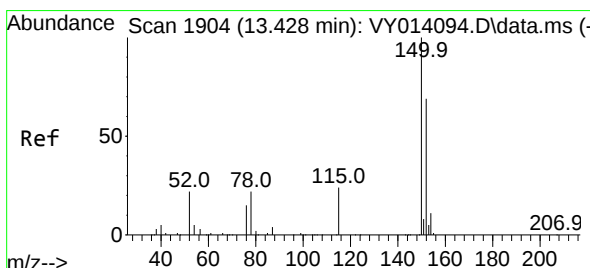
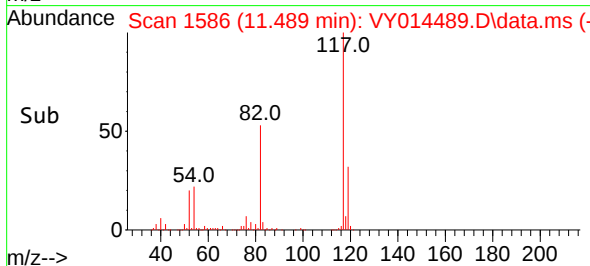
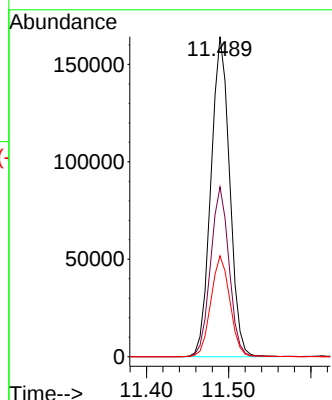
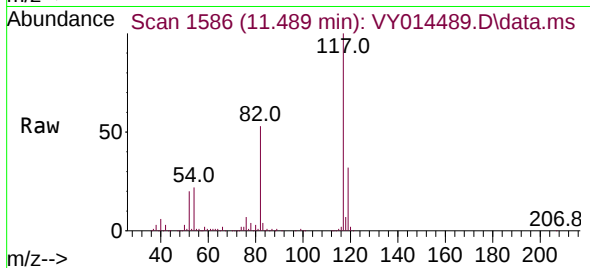
Tgt Ion:117 Resp: 260240

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014489.D

Acq: 29 Jun 2023 10:34

Tgt Ion:152 Resp: 123399

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 160.0 0.0 348.8

