

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014116.D
 Acq On : 12 Jun 2023 13:35
 Operator : KP/MD
 Sample : 03025-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jun 13 05:41:24 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	21010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	32071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	30691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11952	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	13801	47.172	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.340%
35) Dibromofluoromethane	7.716	113	11544	50.756	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.520%
50) Toluene-d8	10.179	98	37735	44.378	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.760%
62) 4-Bromofluorobenzene	12.477	95	10470	34.663	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.320%

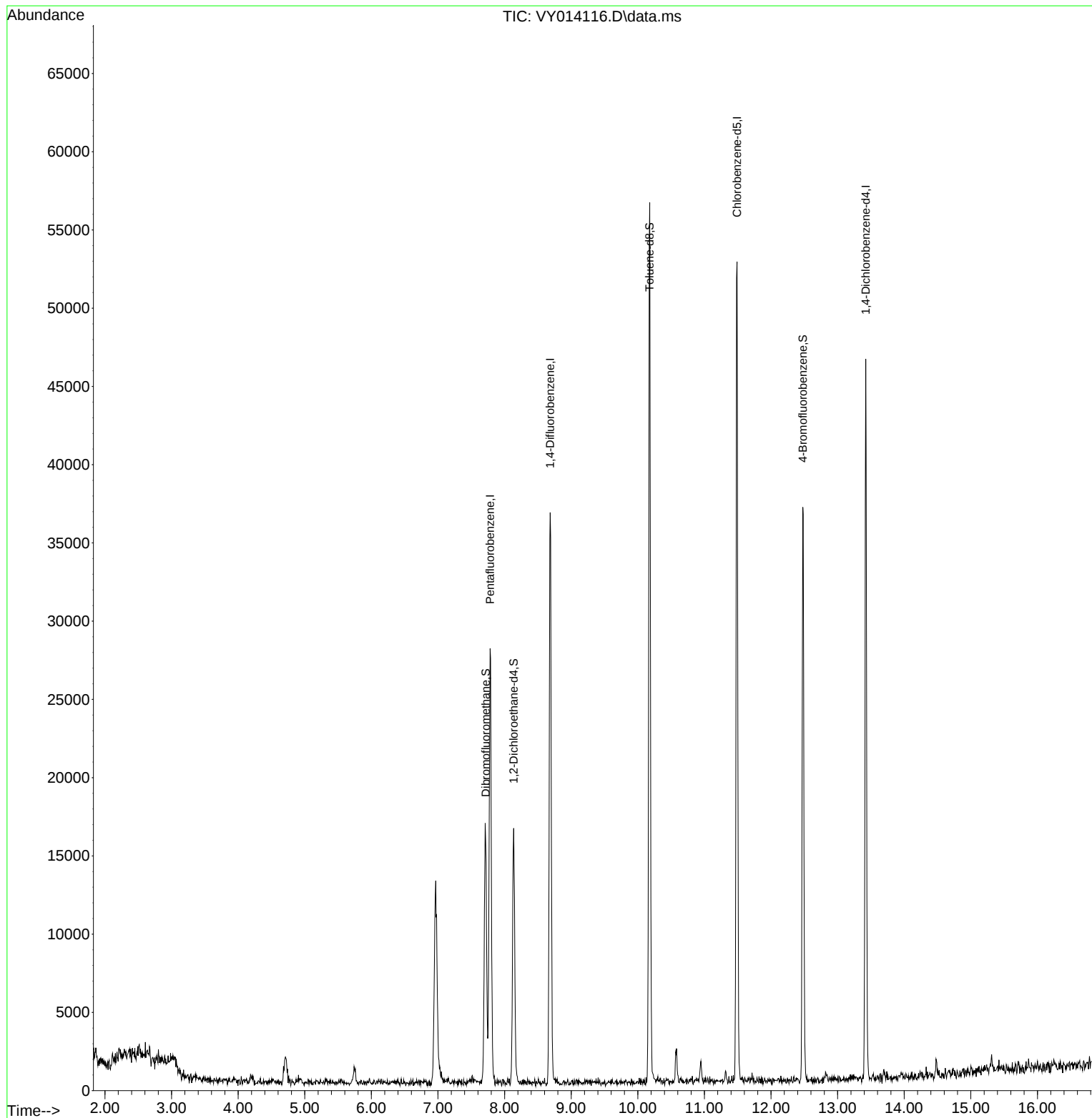
Target Compounds	Qvalue

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

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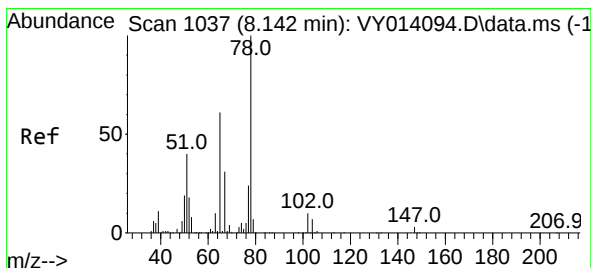
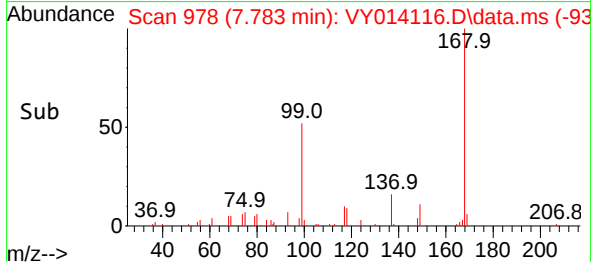
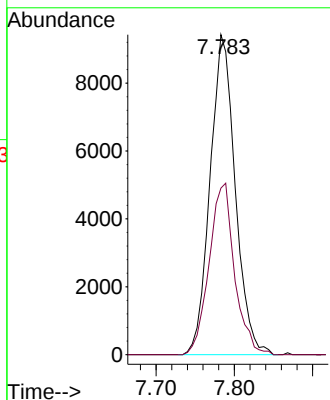
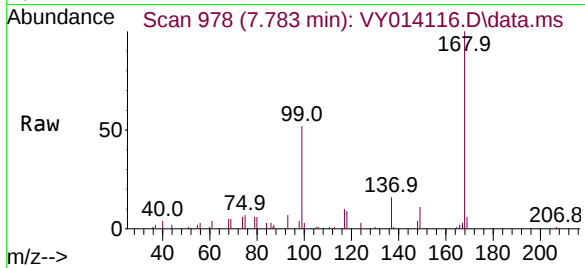




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

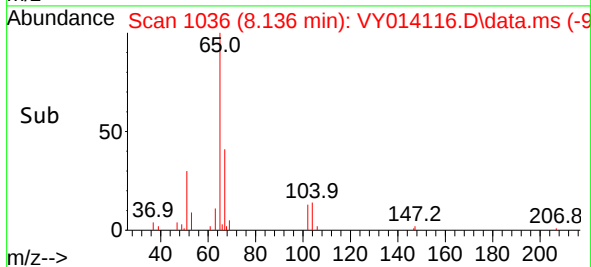
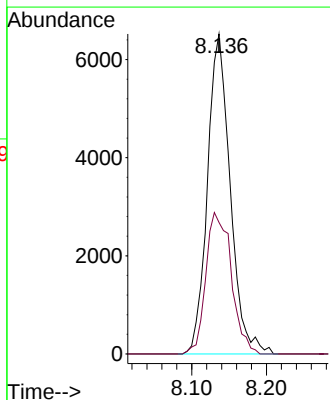
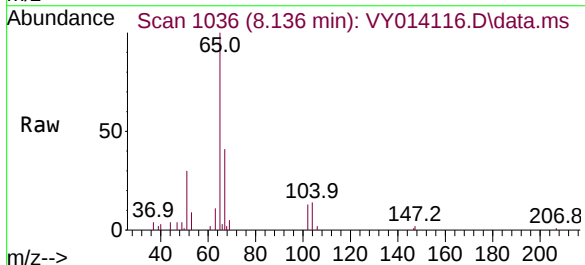
Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:168 Resp: 21010
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 47.172 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

Tgt Ion: 65 Resp: 13801
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# 1126

Delta R.T. -0.006 min

Lab File: VY014116.D

Acq: 12 Jun 2023 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VOC

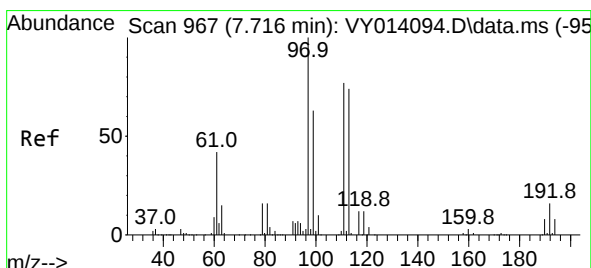
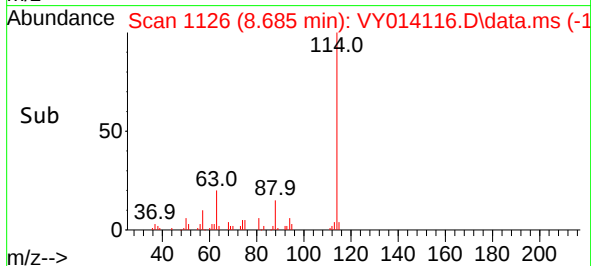
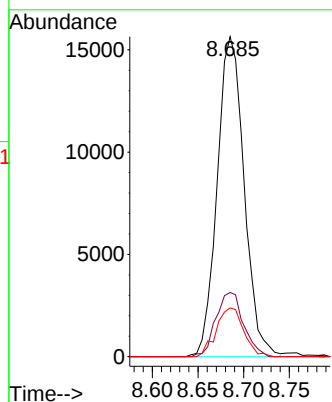
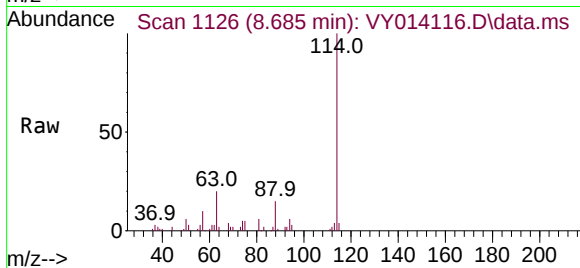
Tgt Ion:114 Resp: 32071

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.756 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014116.D

Acq: 12 Jun 2023 13:35

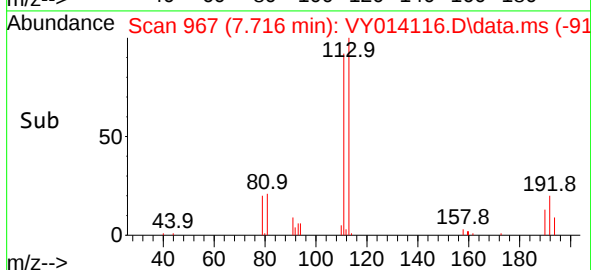
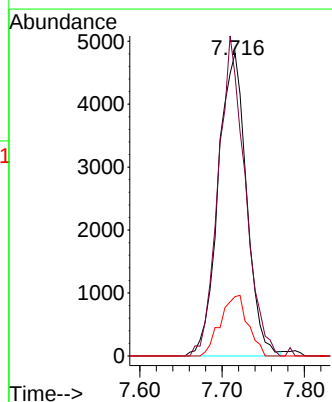
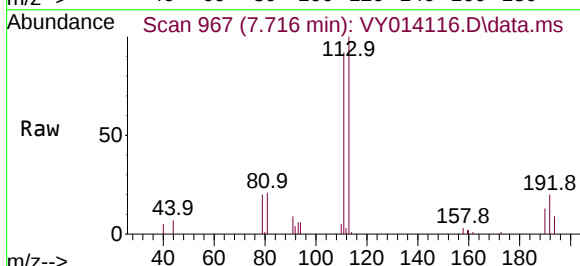
Tgt Ion:113 Resp: 11544

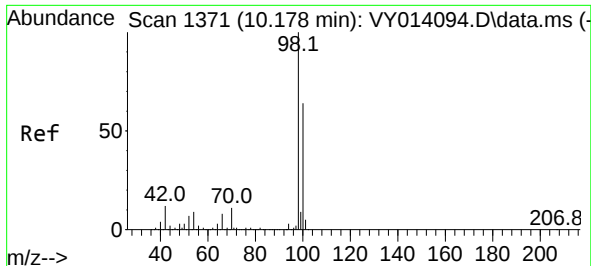
Ion Ratio Lower Upper

113 100

111 99.8 81.3 121.9

192 19.4 16.9 25.3

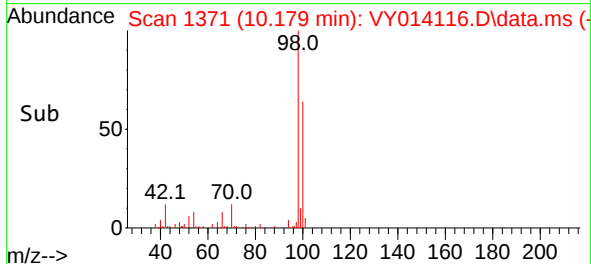
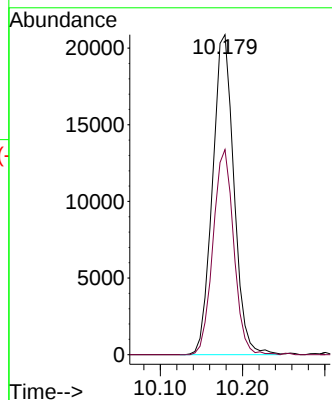
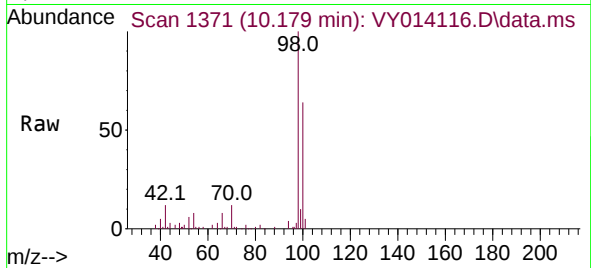




#50
Toluene-d8
Concen: 44.378 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

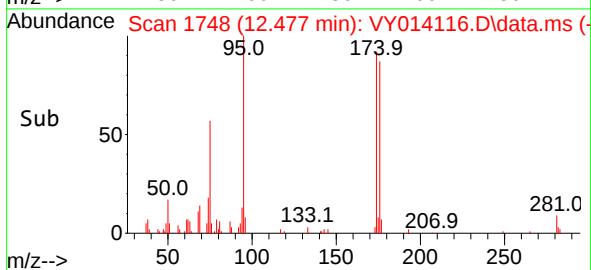
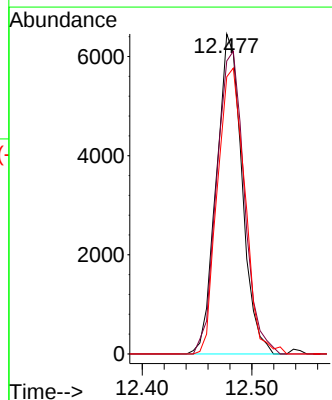
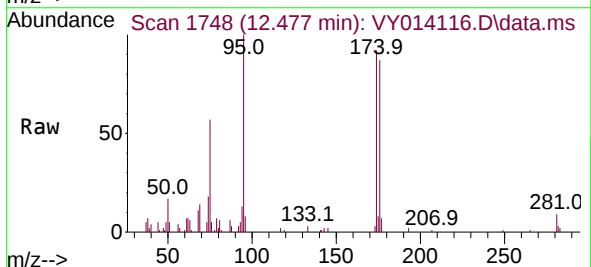
Instrument :
MSVOA_Y
ClientSampleId :
VOC

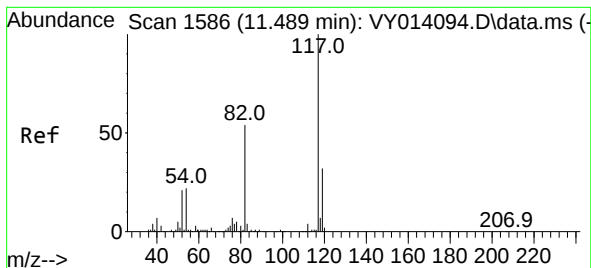
Tgt Ion: 98 Resp: 37735
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 34.663 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

Tgt Ion: 95 Resp: 10470
Ion Ratio Lower Upper
95 100
174 101.8 0.0 178.2
176 95.5 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: VY014116.D

Acq: 12 Jun 2023 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VOC

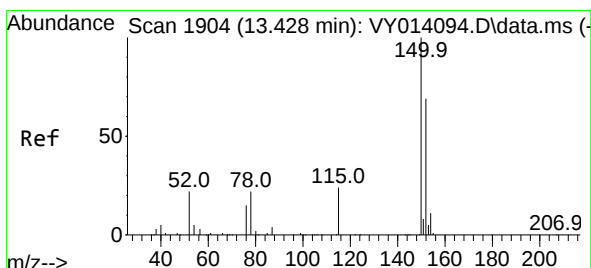
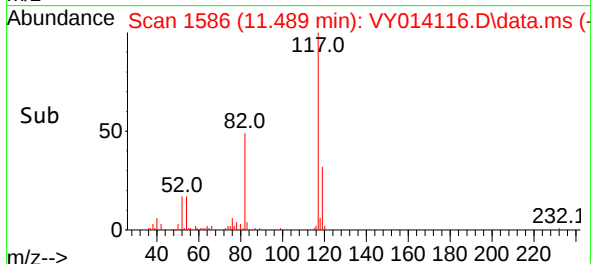
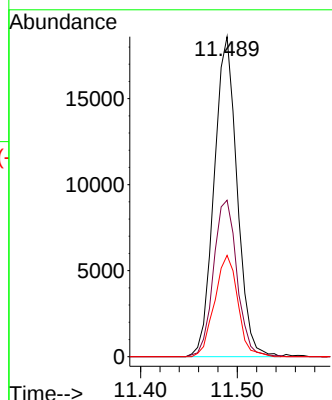
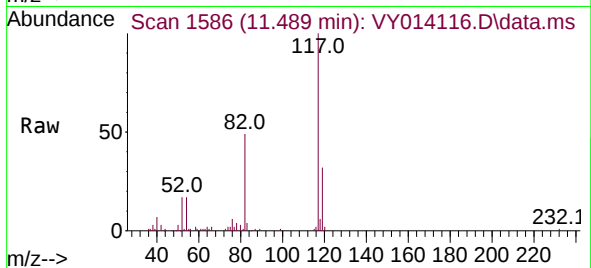
Tgt Ion:117 Resp: 30691

Ion Ratio Lower Upper

117 100

82 48.9 43.4 65.0

119 31.6 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: VY014116.D

Acq: 12 Jun 2023 13:35

Tgt Ion:152 Resp: 11952

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 164.0 0.0 348.8

