

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014136.D
 Acq On : 13 Jun 2023 13:55
 Operator : KP/MD
 Sample : 03025-02 RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC RE

Quant Time: Jun 14 01:34:40 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	20133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	31303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	29381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11455	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	12347	44.041	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.080%
35) Dibromofluoromethane	7.710	113	10897	49.087	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.180%
50) Toluene-d8	10.179	98	37303	44.946	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.900%
62) 4-Bromofluorobenzene	12.483	95	10817	36.690	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.380%

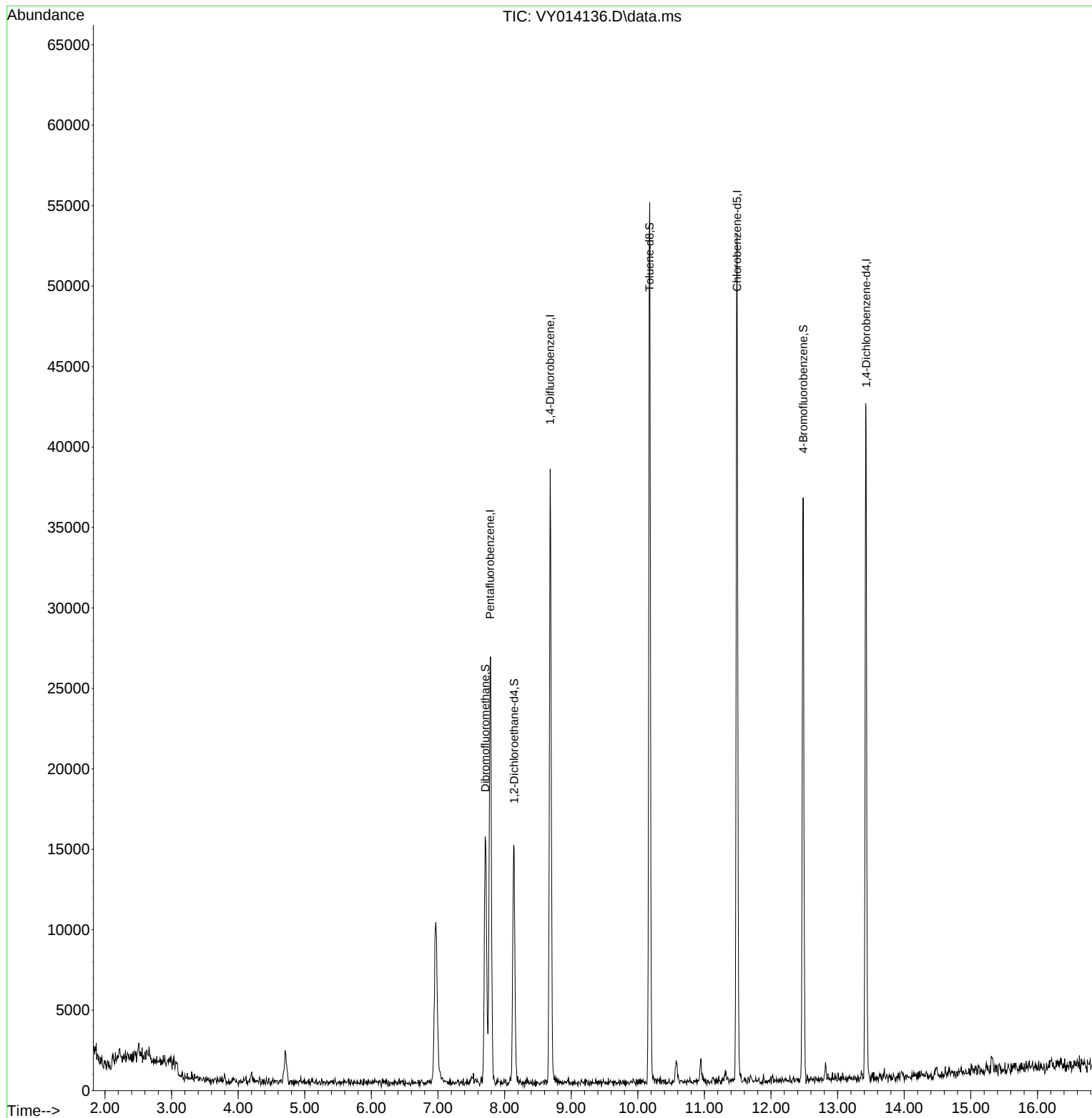
Target Compounds	Qvalue

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

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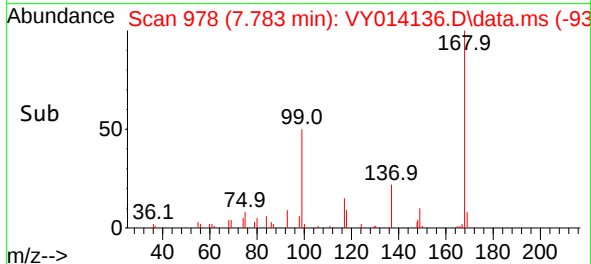
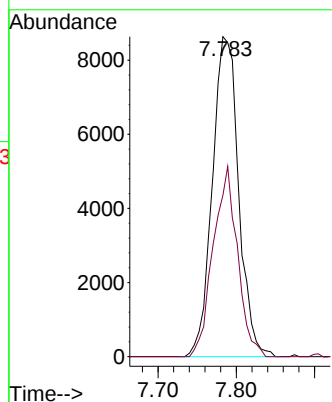
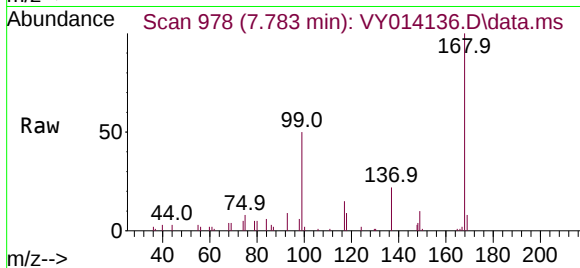




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

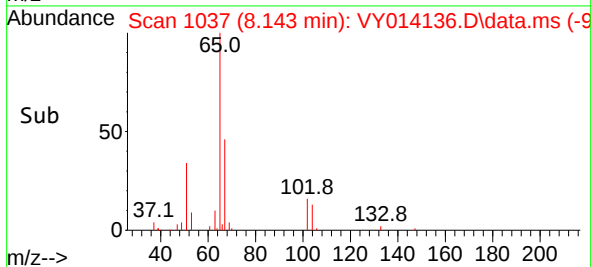
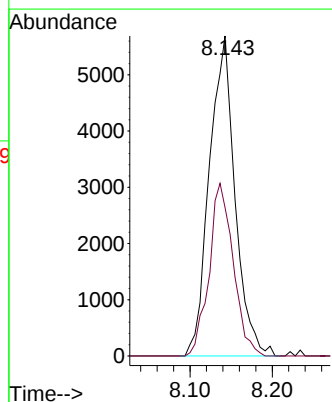
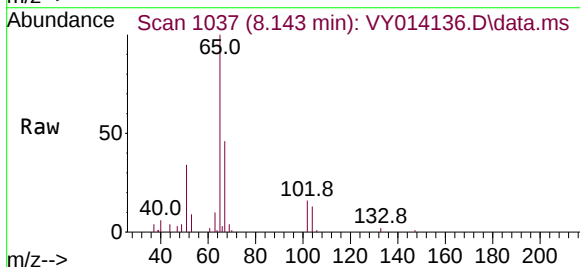
Instrument :
MSVOA_Y
ClientSampleId :
VOC RE

Tgt Ion:168 Resp: 20133
Ion Ratio Lower Upper
168 100
99 50.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 44.041 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

Tgt Ion: 65 Resp: 12347
Ion Ratio Lower Upper
65 100
67 50.7 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: VY014136.D

Acq: 13 Jun 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VOC RE

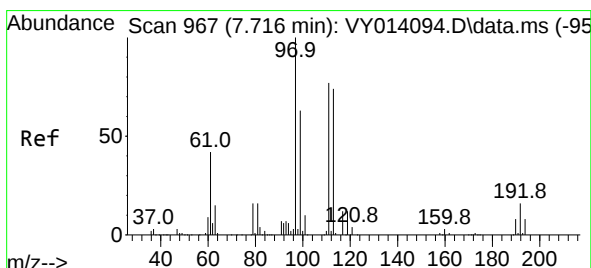
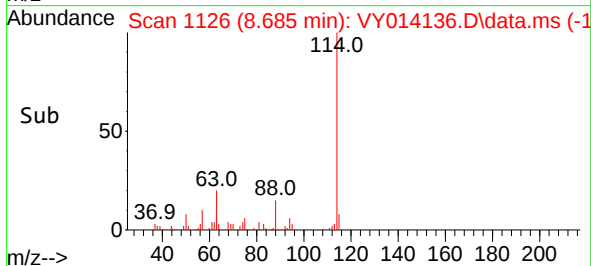
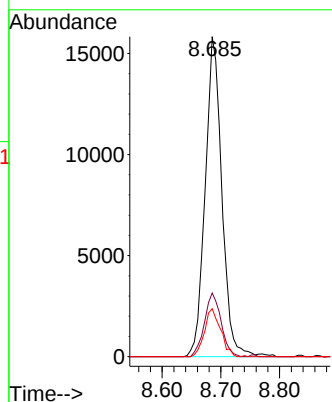
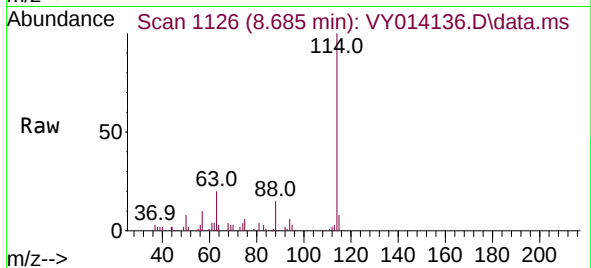
Tgt Ion:114 Resp: 31303

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.087 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014136.D

Acq: 13 Jun 2023 13:55

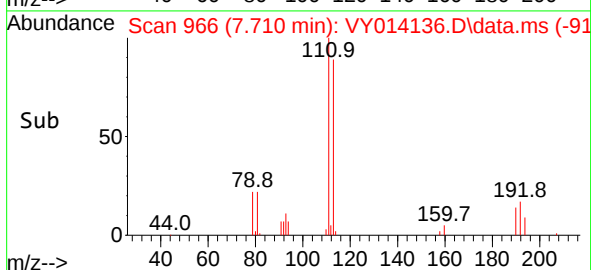
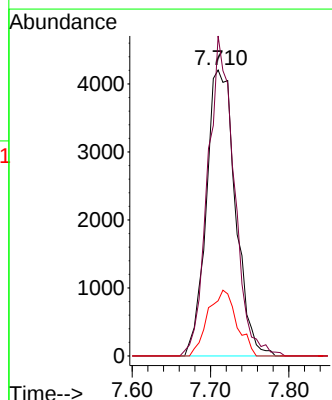
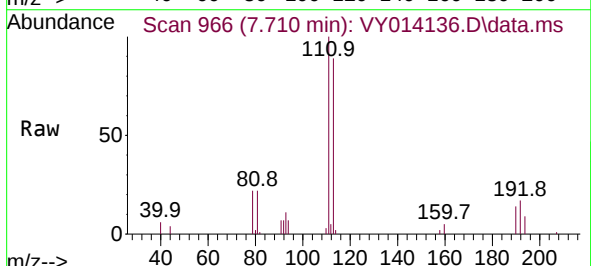
Tgt Ion:113 Resp: 10897

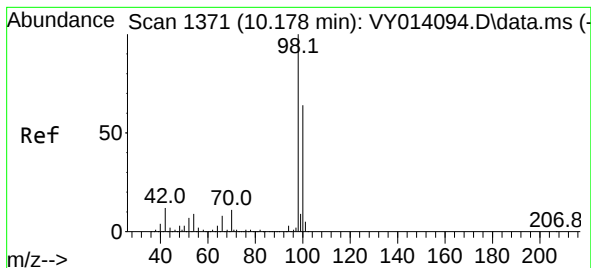
Ion Ratio Lower Upper

113 100

111 101.2 81.3 121.9

192 22.6 16.9 25.3

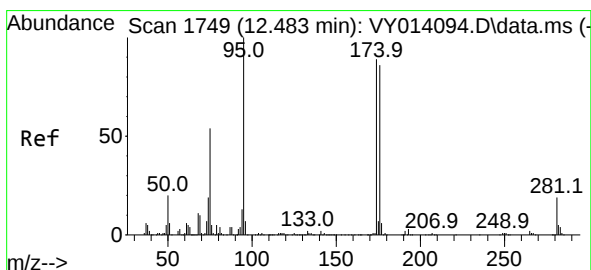
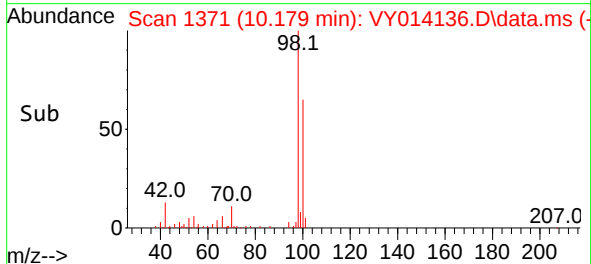
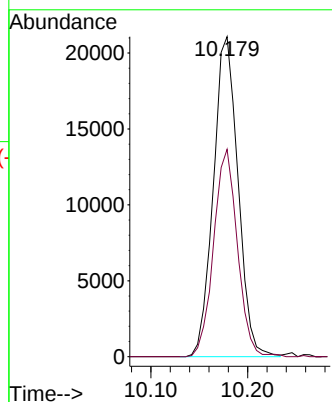
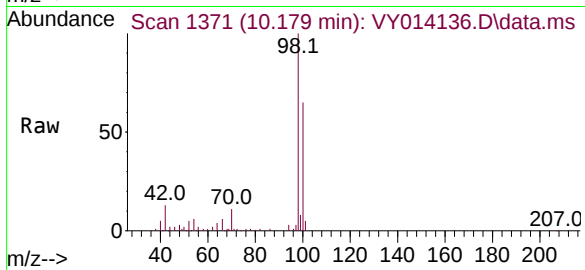




#50
Toluene-d8
Concen: 44.946 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

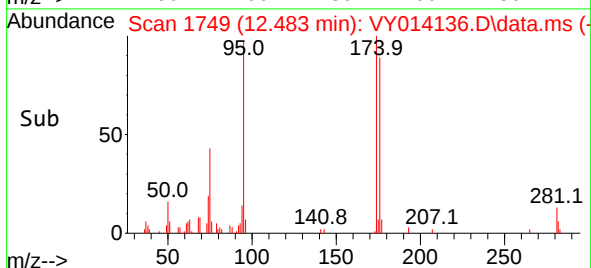
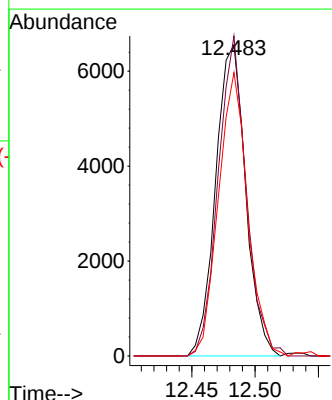
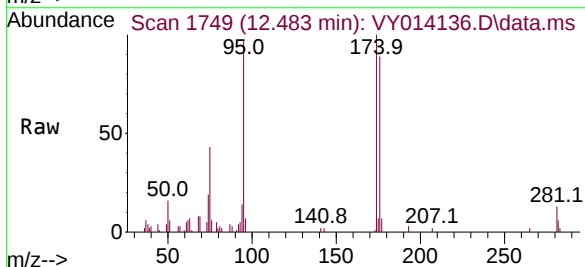
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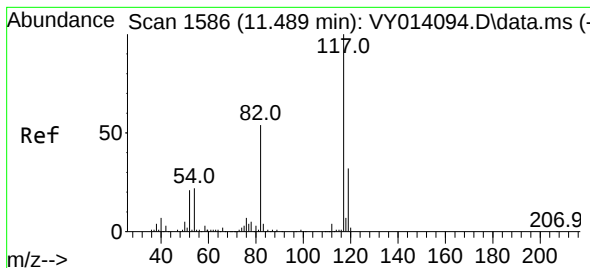
Tgt Ion: 98 Resp: 37303
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 36.690 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

Tgt Ion: 95 Resp: 10817
Ion Ratio Lower Upper
95 100
174 96.0 0.0 178.2
176 88.4 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: VY014136.D

Acq: 13 Jun 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VOC RE

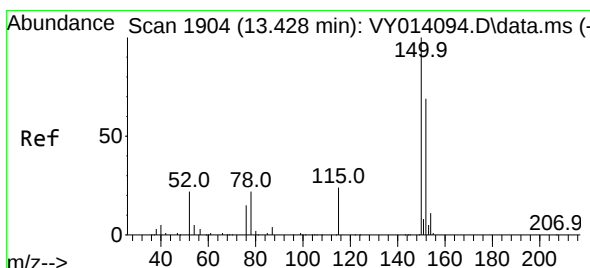
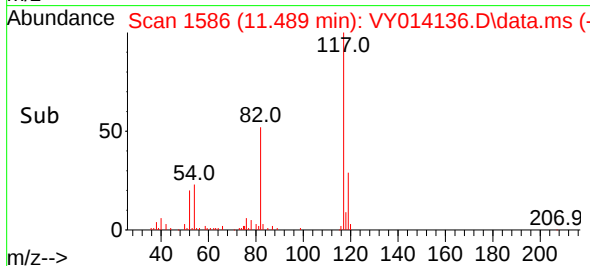
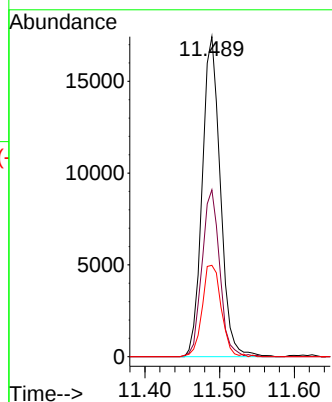
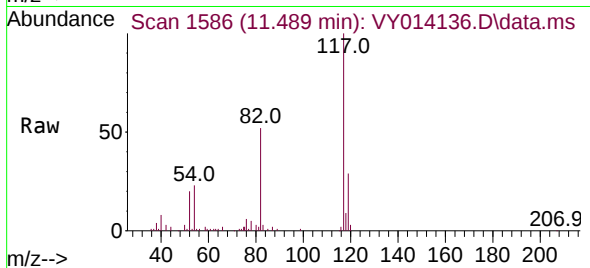
Tgt Ion:117 Resp: 29381

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 28.6 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: VY014136.D

Acq: 13 Jun 2023 13:55

Tgt Ion:152 Resp: 11455

Ion Ratio Lower Upper

152 100

115 55.3 28.8 86.5

150 157.0 0.0 348.8

