

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022606.D
 Acq On : 06 Jun 2025 17:36
 Operator : SY/MD
 Sample : Q2227-02
 Misc : 6.25g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP07-MHH-VOC

Quant Time: Jun 06 23:46:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	286999	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	534823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	445217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	168499	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	168873	52.610	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.220%
35) Dibromofluoromethane	7.628	113	160940	50.416	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.840%
50) Toluene-d8	10.103	98	652714	50.603	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.200%
62) 4-Bromofluorobenzene	12.401	95	167610	43.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.220%

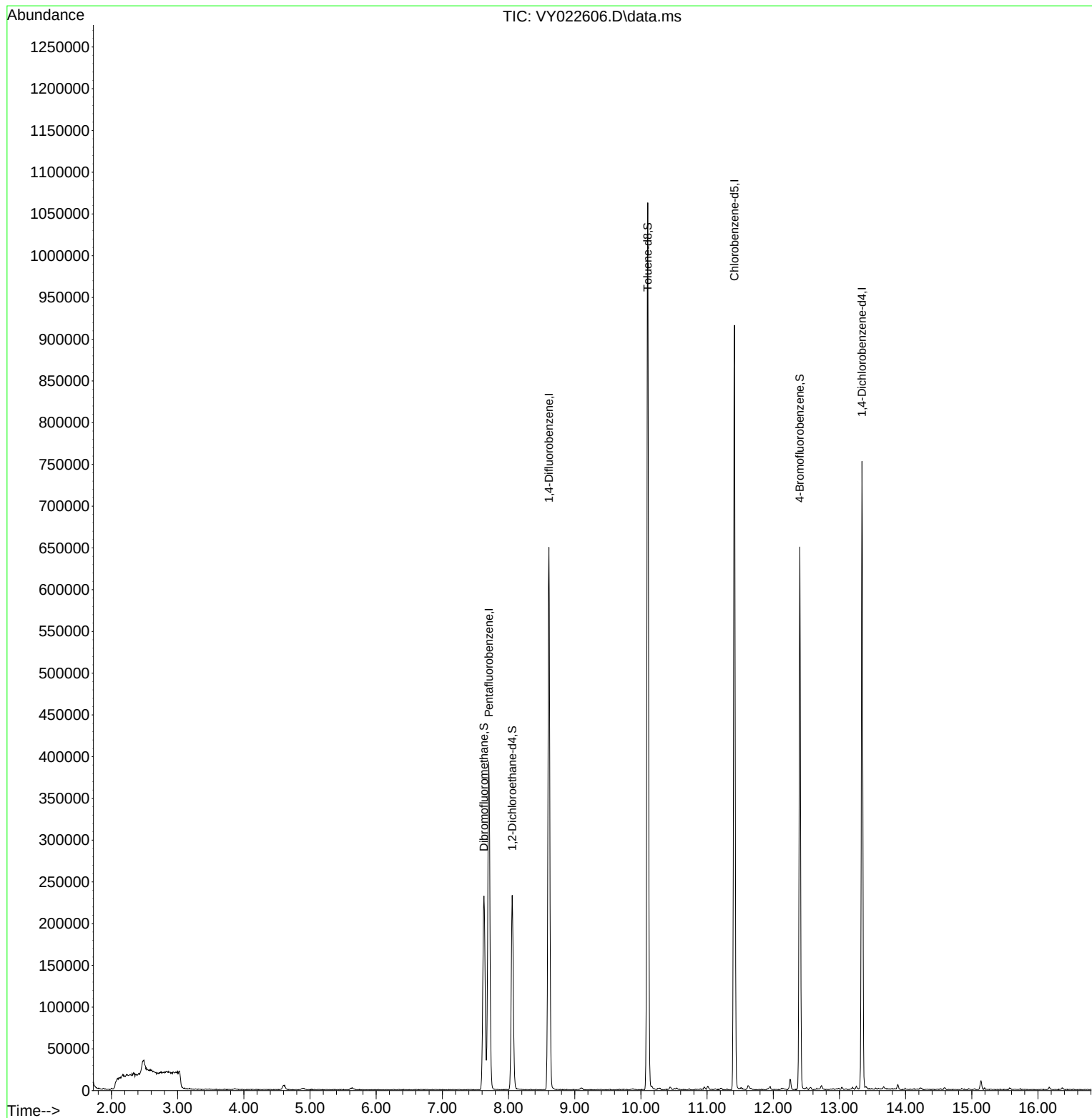
Target Compounds	Qvalue

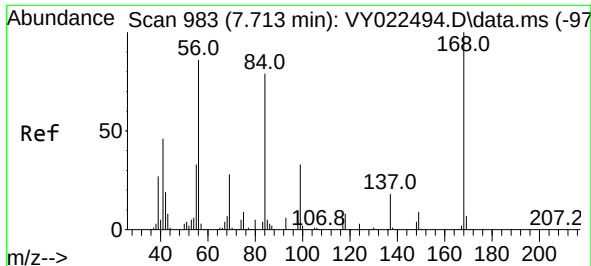
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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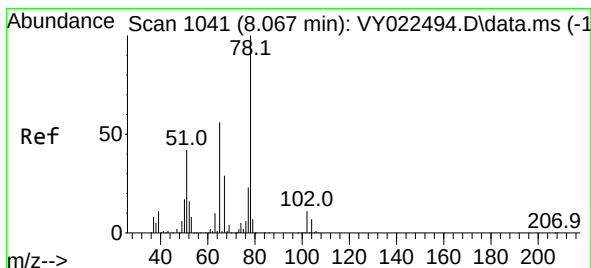
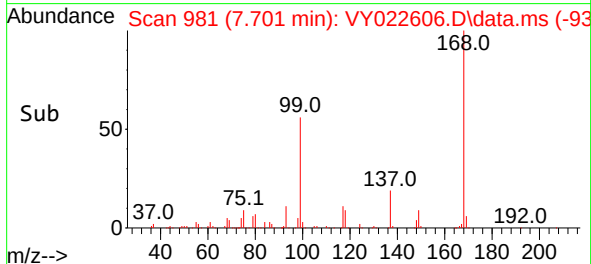
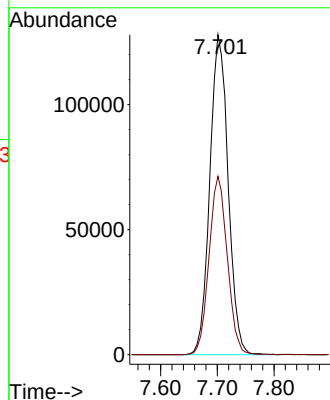
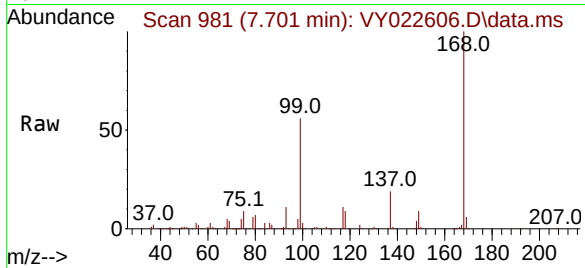




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

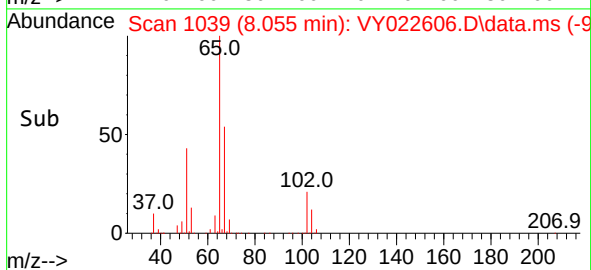
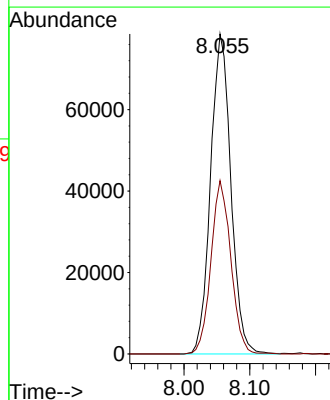
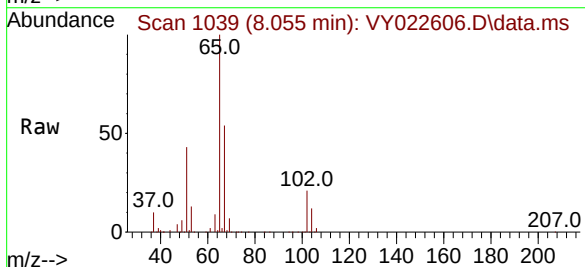
Instrument :
MSVOA_Y
ClientSampleId :
TP07-MHH-VOC

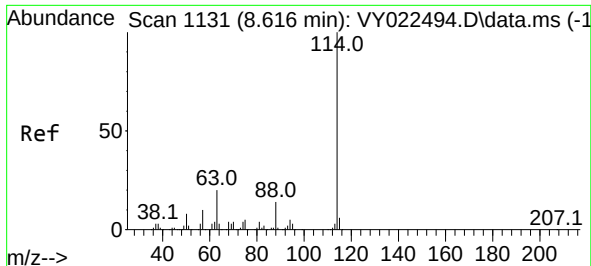
Tgt Ion:168 Resp: 286999
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 52.610 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

Tgt Ion: 65 Resp: 168873
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

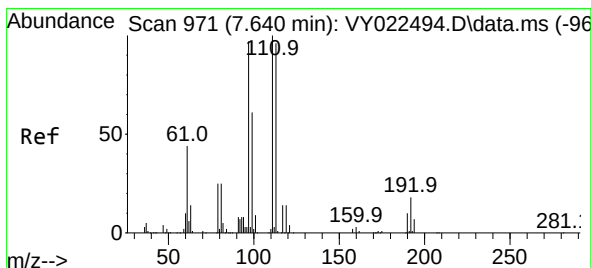
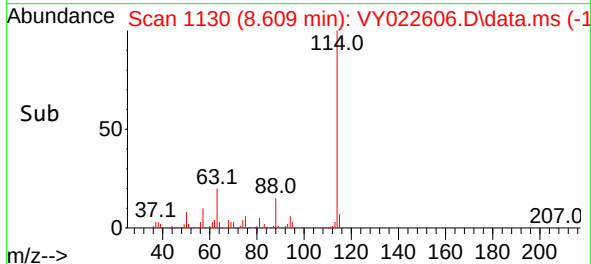
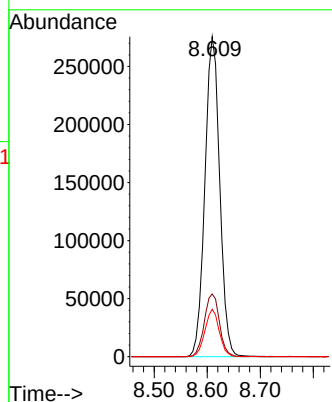
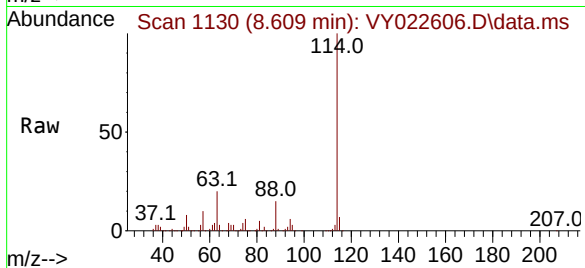




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022606.D
 Acq: 06 Jun 2025 17:36

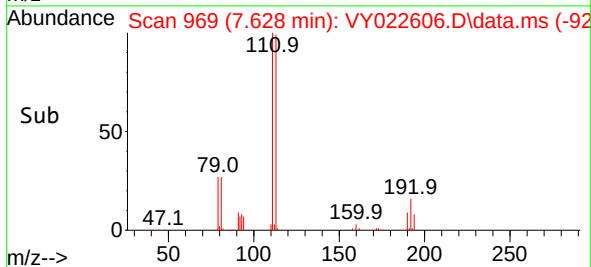
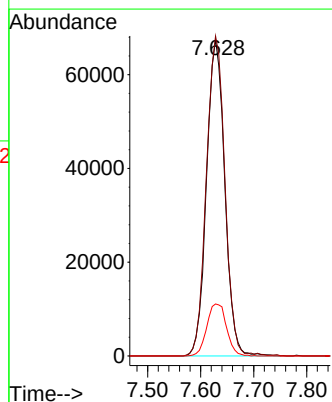
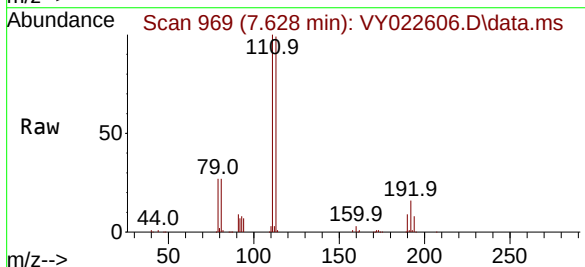
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP07-MHH-VOC

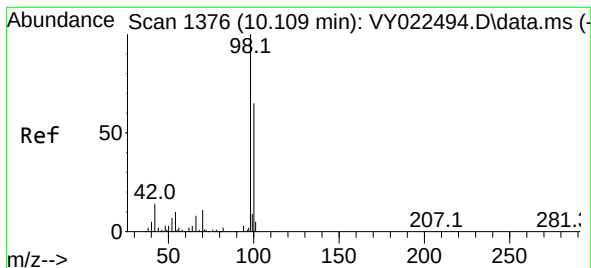
Tgt Ion:114 Resp: 534823
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 14.8 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 50.416 ug/l
 RT: 7.628 min Scan# 969
 Delta R.T. -0.012 min
 Lab File: VY022606.D
 Acq: 06 Jun 2025 17:36

Tgt Ion:113 Resp: 160940
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.1 121.7
 192 17.8 14.2 21.2





#50

Toluene-d8

Concen: 50.603 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022606.D

Acq: 06 Jun 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

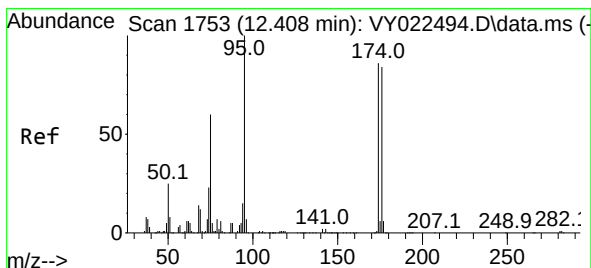
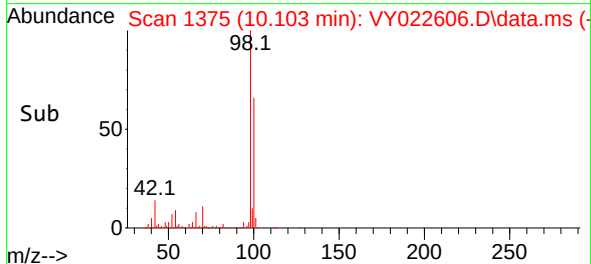
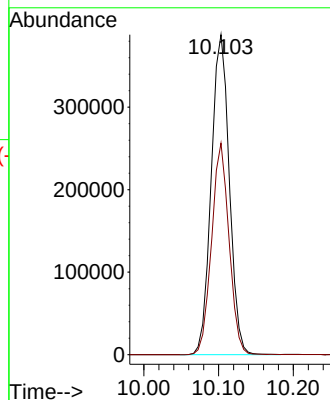
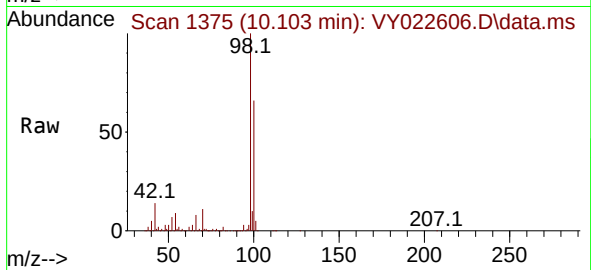
TP07-MHH-VOC

Tgt Ion: 98 Resp: 652714

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 43.612 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022606.D

Acq: 06 Jun 2025 17:36

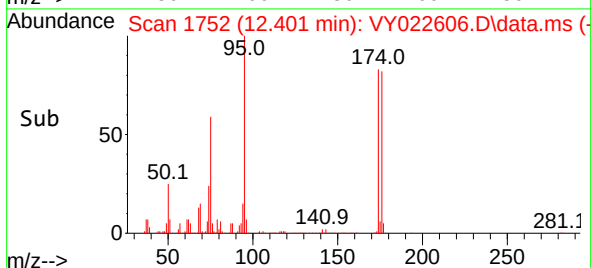
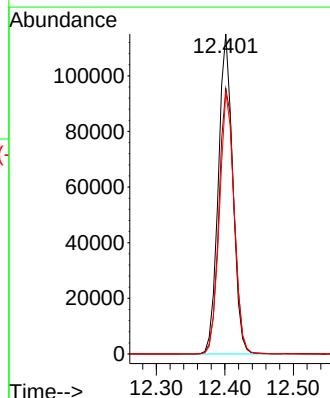
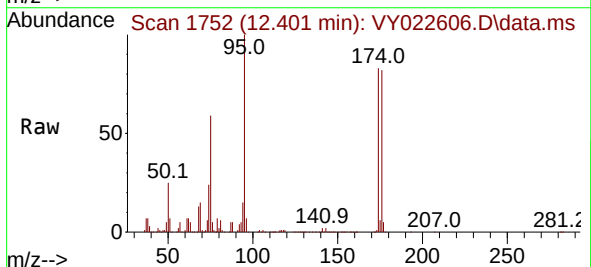
Tgt Ion: 95 Resp: 167610

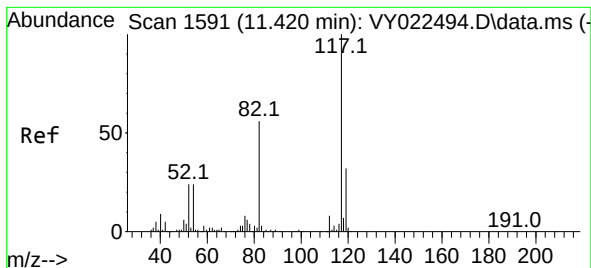
Ion Ratio Lower Upper

95 100

174 87.0 0.0 170.0

176 83.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022606.D

Acq: 06 Jun 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

TP07-MHH-VOC

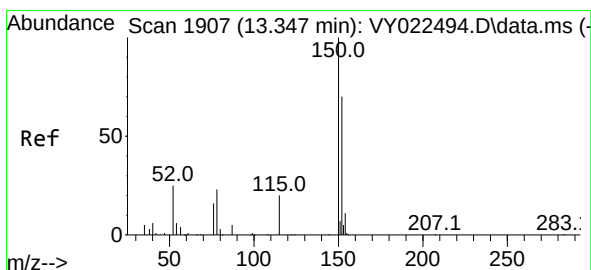
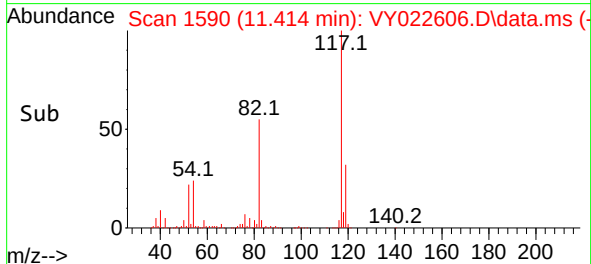
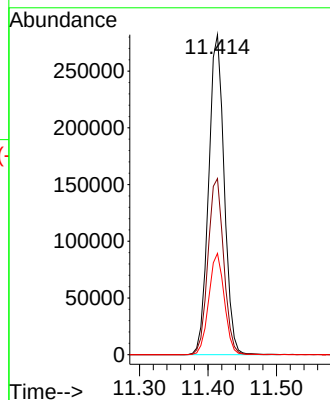
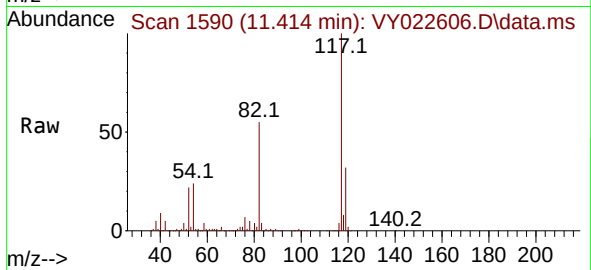
Tgt Ion:117 Resp: 445217

Ion Ratio Lower Upper

117 100

82 55.0 44.6 66.8

119 31.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022606.D

Acq: 06 Jun 2025 17:36

Tgt Ion:152 Resp: 168499

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 159.3 0.0 349.6

