

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022601.D
 Acq On : 06 Jun 2025 15:37
 Operator : SY/MD
 Sample : Q2207-29
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-04

Quant Time: Jun 06 23:44:32 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	279782	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	515304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	426341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	157112	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	162358	51.885	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.760%
35) Dibromofluoromethane	7.628	113	153160	49.796	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.600%
50) Toluene-d8	10.103	98	635213	51.112	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.220%
62) 4-Bromofluorobenzene	12.401	95	160187	43.260	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.520%

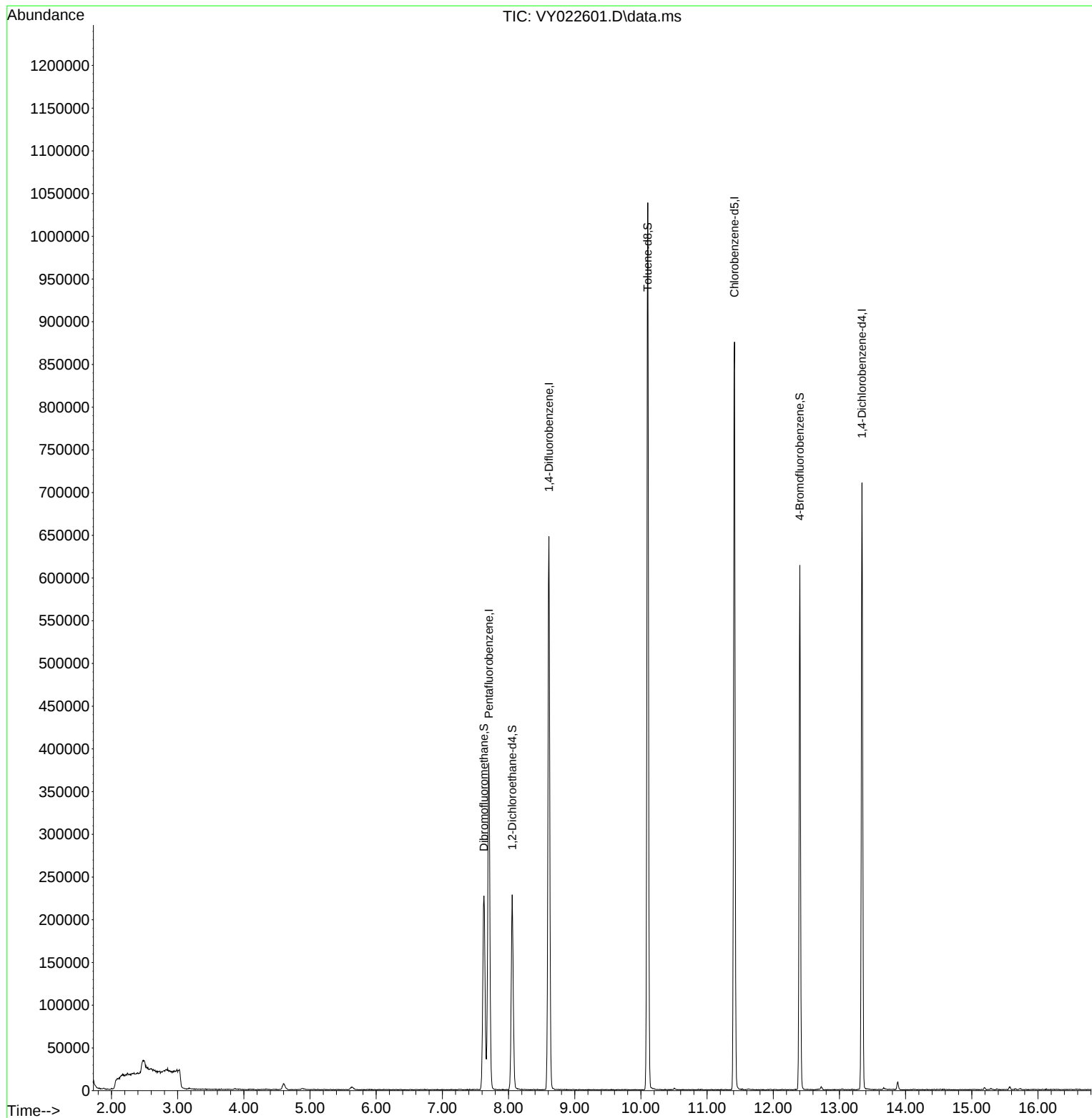
Target Compounds	Qvalue

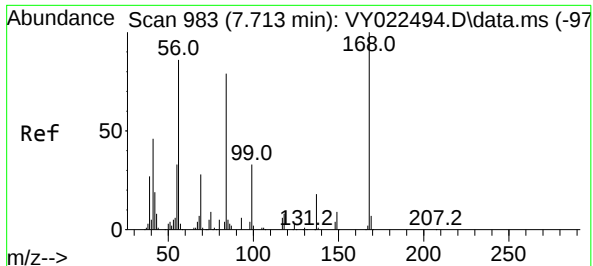
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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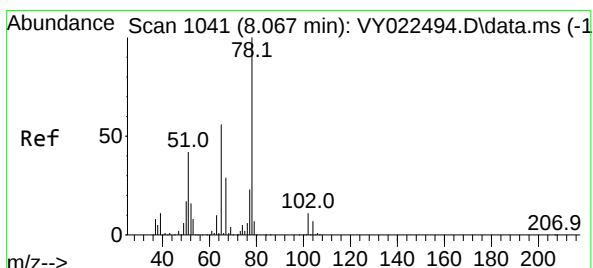
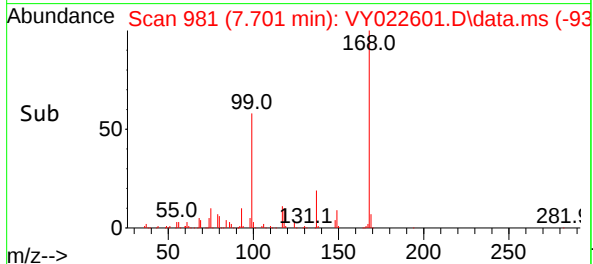
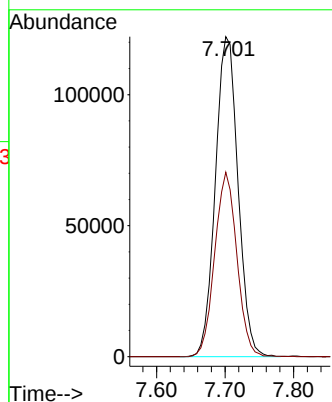
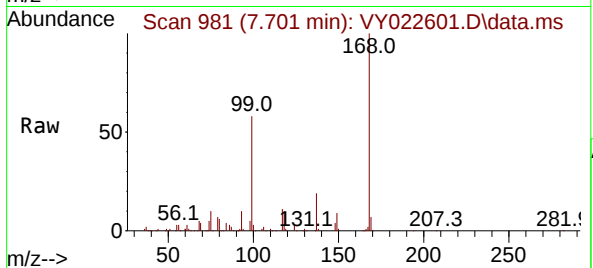




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

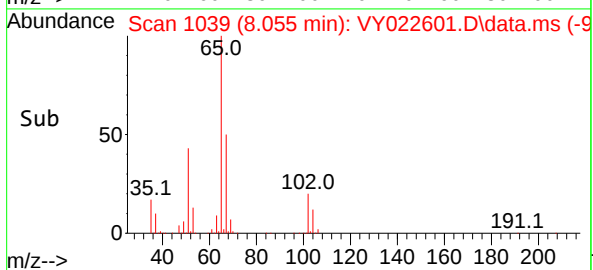
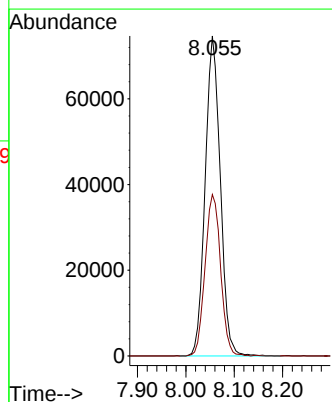
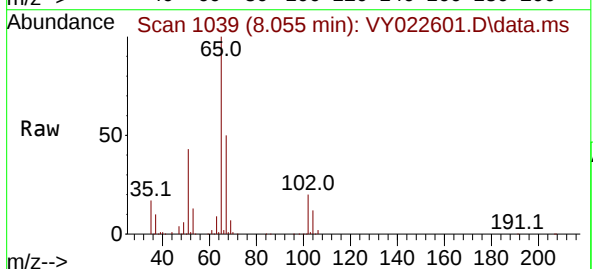
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-04

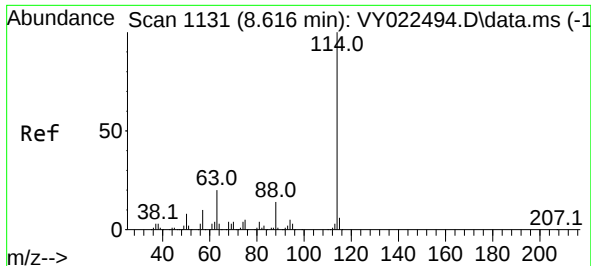
Tgt Ion:168 Resp: 279782
Ion Ratio Lower Upper
168 100
99 57.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.885 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

Tgt Ion: 65 Resp: 162358
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4

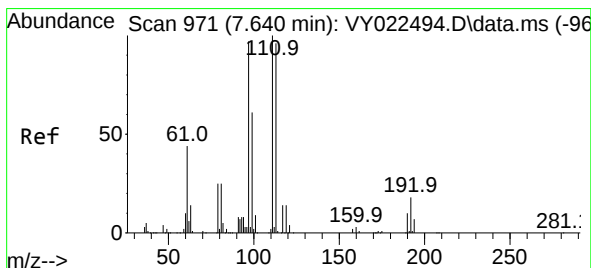
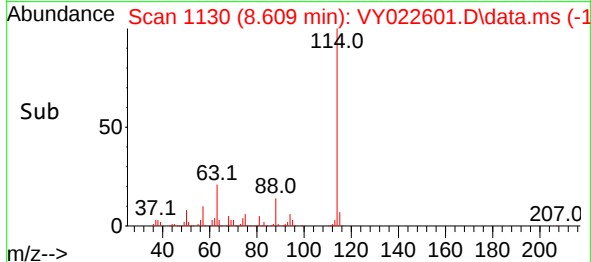
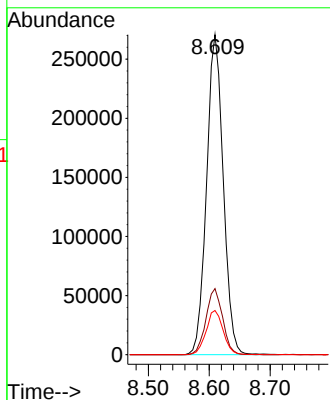
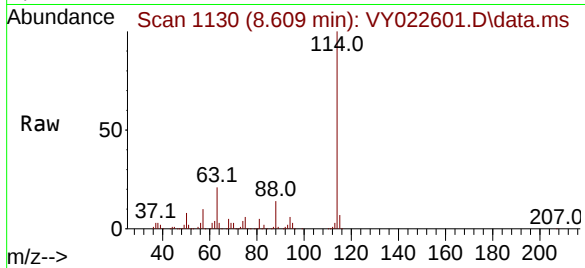




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

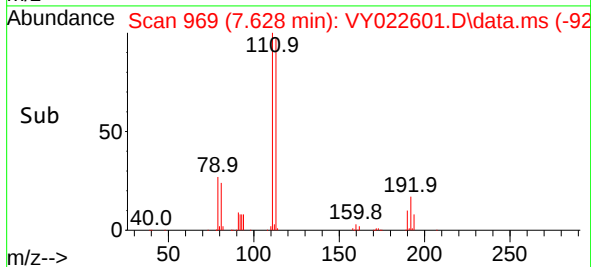
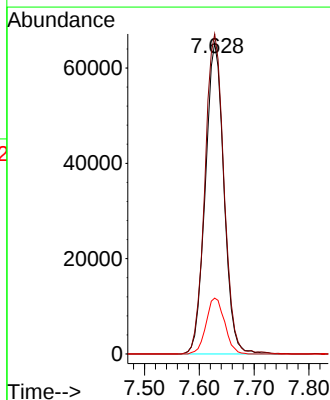
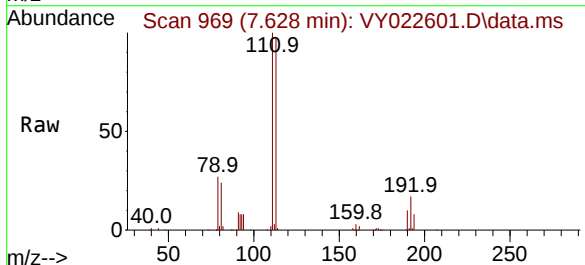
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-04

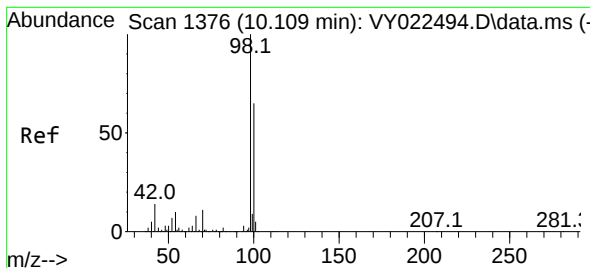
Tgt Ion:114 Resp: 515304
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 13.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.796 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

Tgt Ion:113 Resp: 153160
Ion Ratio Lower Upper
113 100
111 105.4 81.1 121.7
192 17.9 14.2 21.2





#50

Toluene-d8

Concen: 51.112 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022601.D

Acq: 06 Jun 2025 15:37

Instrument :

MSVOA_Y

ClientSampleId :

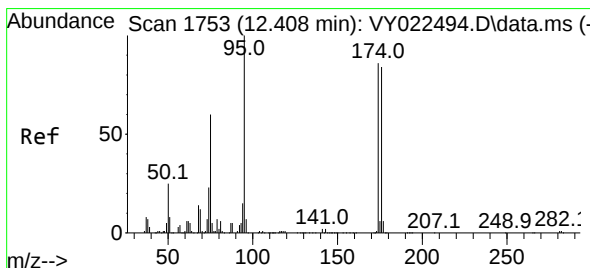
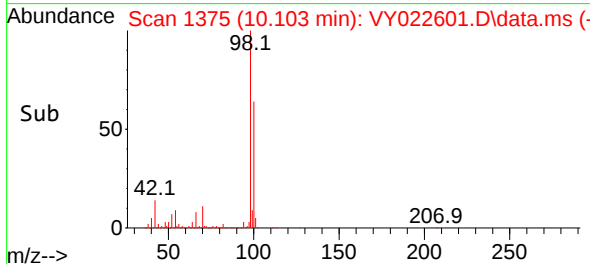
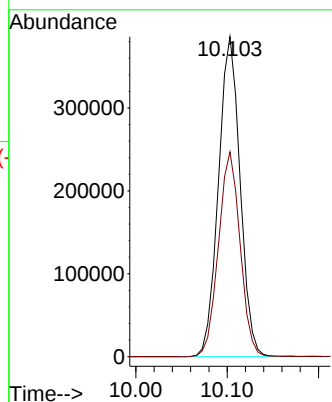
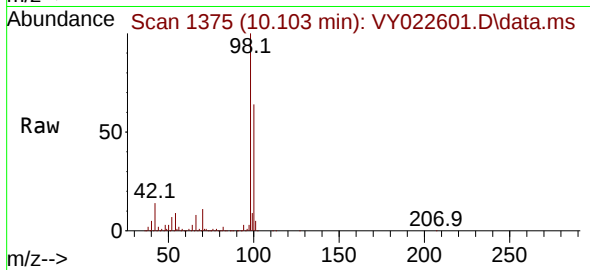
BU-703-VOC-04

Tgt Ion: 98 Resp: 635213

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 43.260 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022601.D

Acq: 06 Jun 2025 15:37

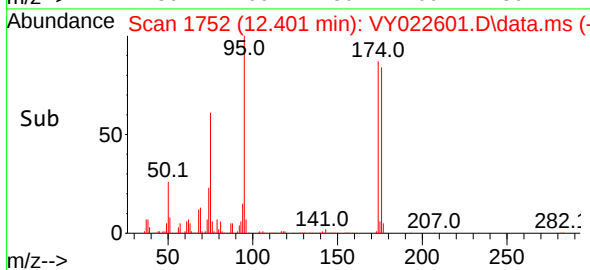
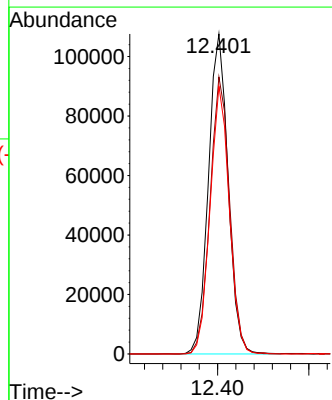
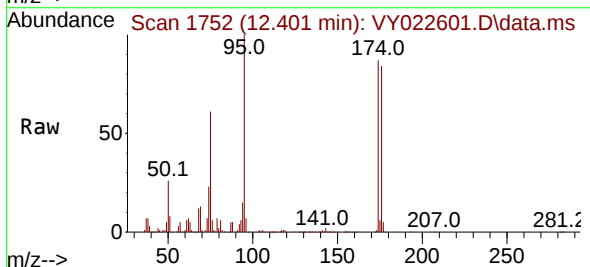
Tgt Ion: 95 Resp: 160187

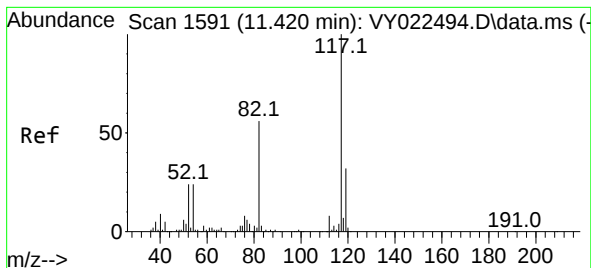
Ion Ratio Lower Upper

95 100

174 86.7 0.0 170.0

176 81.8 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022601.D

Acq: 06 Jun 2025 15:37

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-04

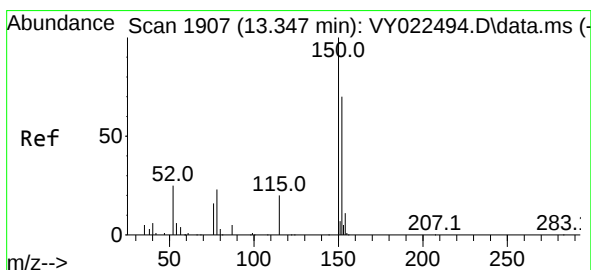
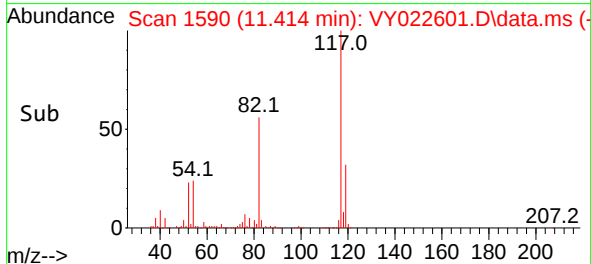
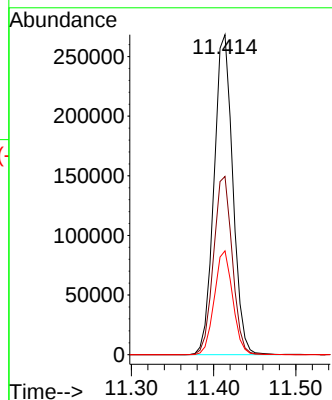
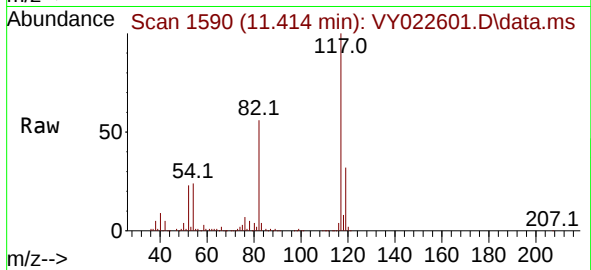
Tgt Ion:117 Resp: 426341

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

119 32.4 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: VY022601.D

Acq: 06 Jun 2025 15:37

Tgt Ion:152 Resp: 157112

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 161.1 0.0 349.6

