

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022580.D
 Acq On : 05 Jun 2025 17:30
 Operator : SY/MD
 Sample : Q2207-38
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-05

Quant Time: Jun 06 01:27:46 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	551043	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	1010556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	838166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	323120	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	304704	49.440	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.880%
35) Dibromofluoromethane	7.628	113	302186	50.099	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.200%
50) Toluene-d8	10.103	98	1258556	51.639	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.280%
62) 4-Bromofluorobenzene	12.401	95	318622	43.877	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.760%

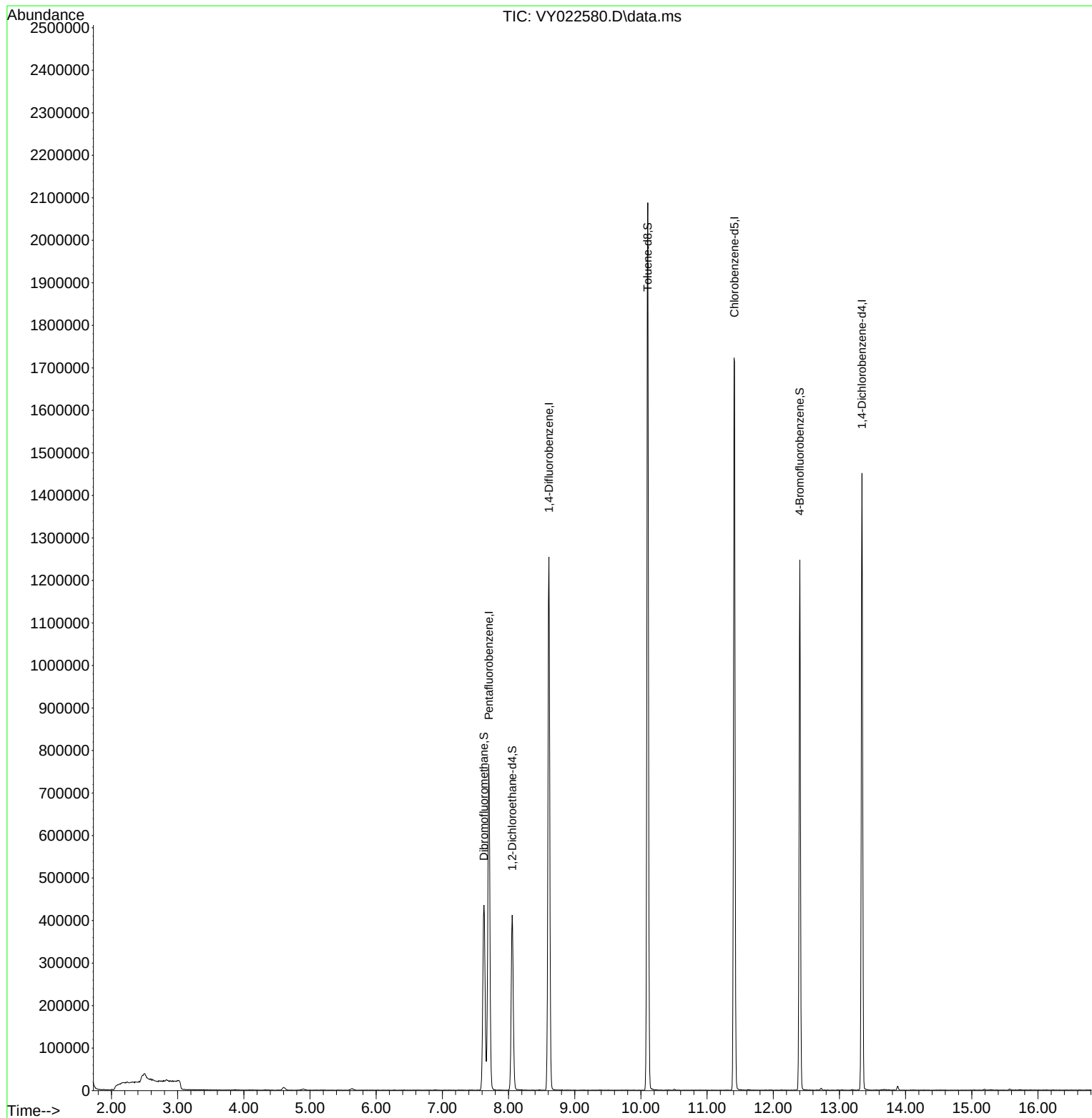
Target Compounds	Qvalue

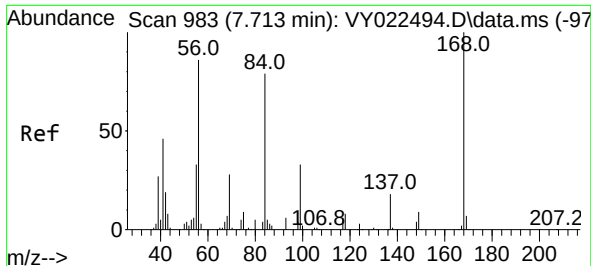
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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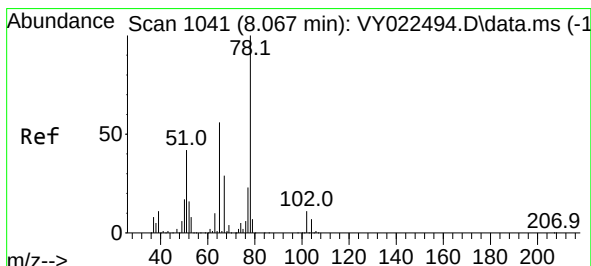
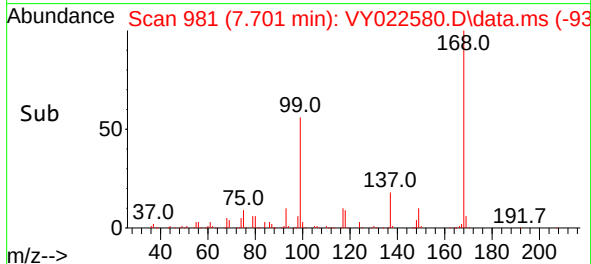
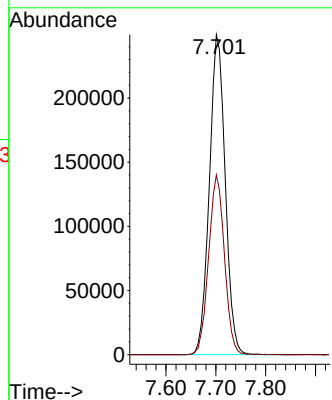
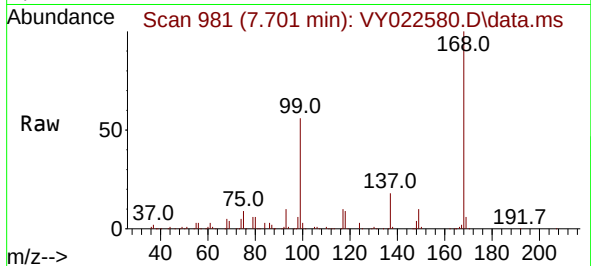




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

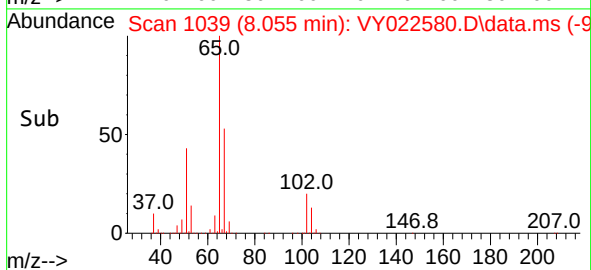
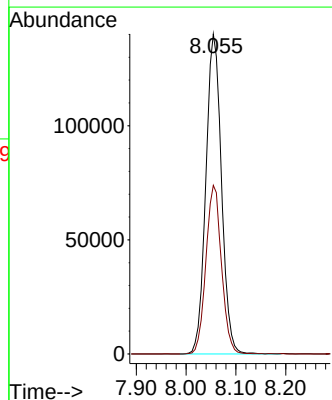
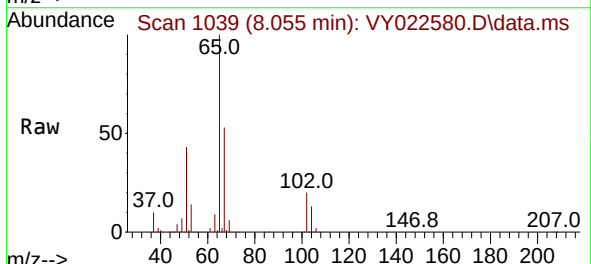
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-05

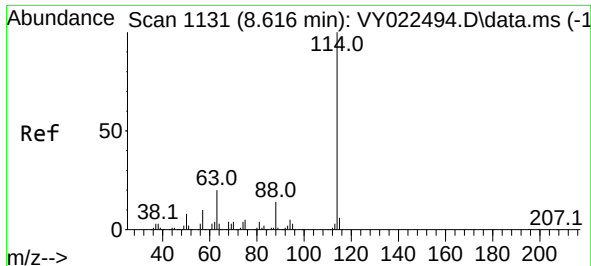
Tgt Ion:168 Resp: 551043
Ion Ratio Lower Upper
168 100
99 56.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.440 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

Tgt Ion: 65 Resp: 304704
Ion Ratio Lower Upper
65 100
67 52.5 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: VY022580.D

Acq: 05 Jun 2025 17:30

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-05

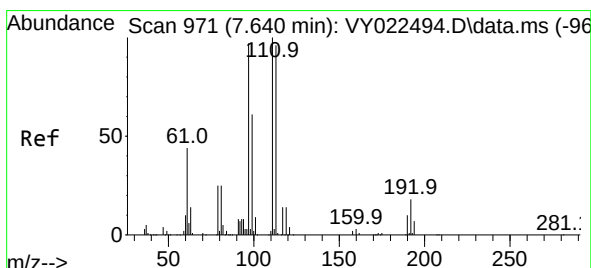
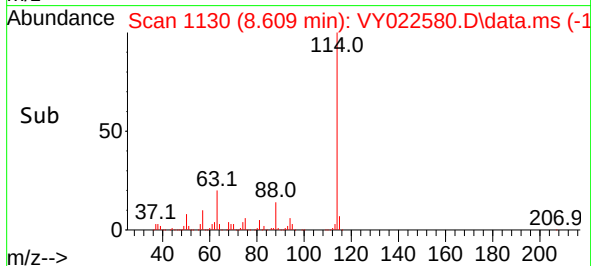
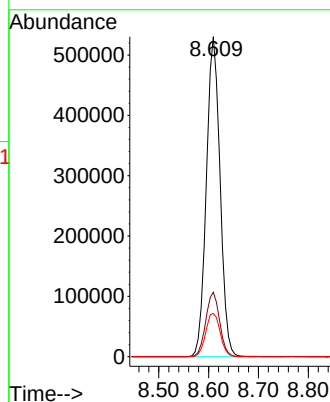
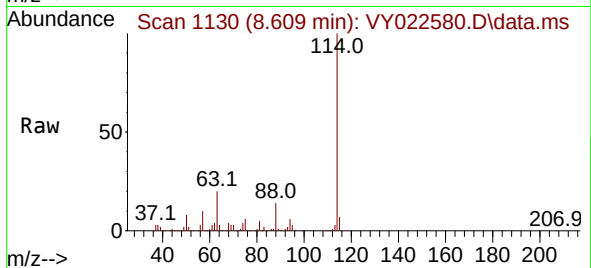
Tgt Ion:114 Resp: 1010556

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 13.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.099 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022580.D

Acq: 05 Jun 2025 17:30

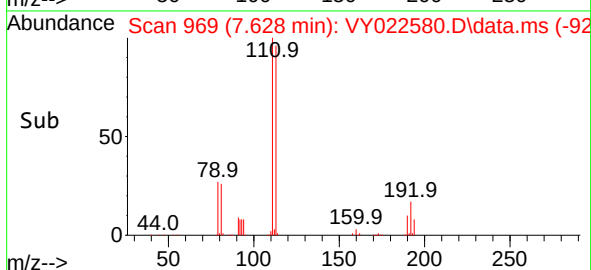
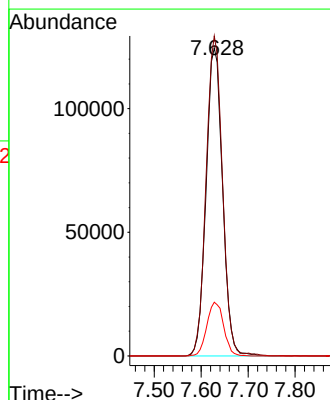
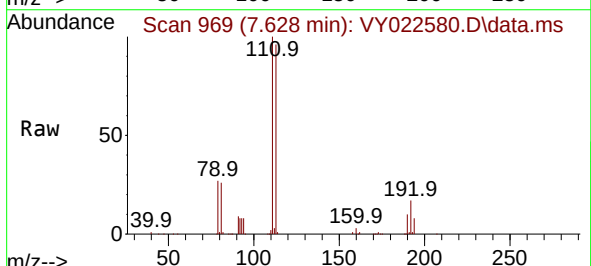
Tgt Ion:113 Resp: 302186

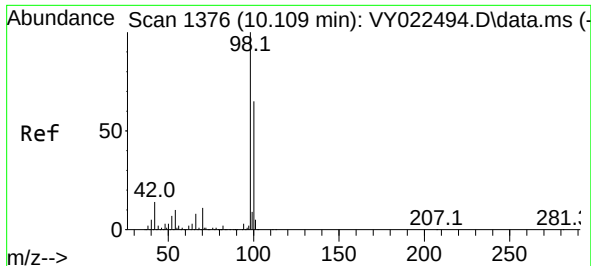
Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

192 17.8 14.2 21.2

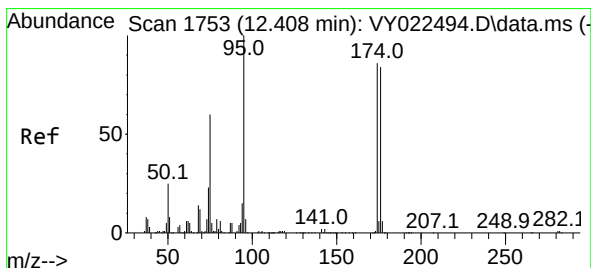
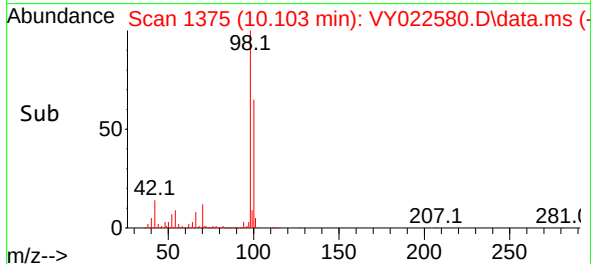
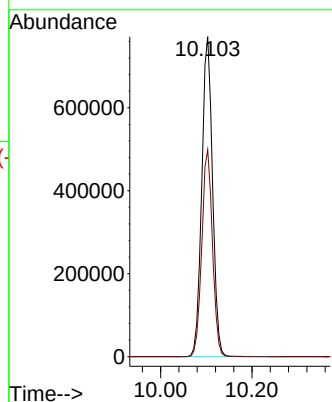
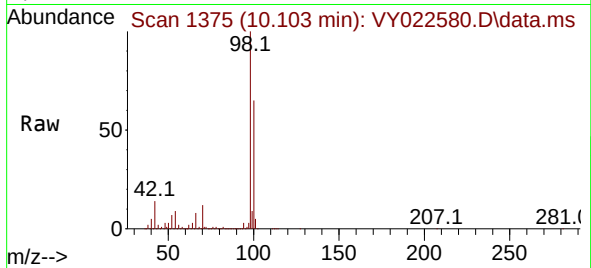




#50
Toluene-d8
Concen: 51.639 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

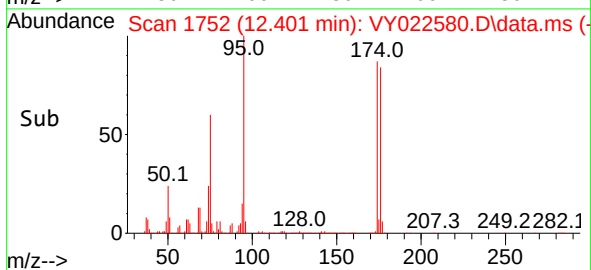
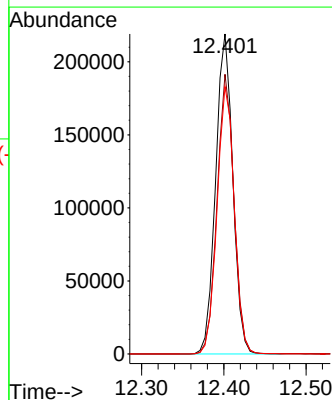
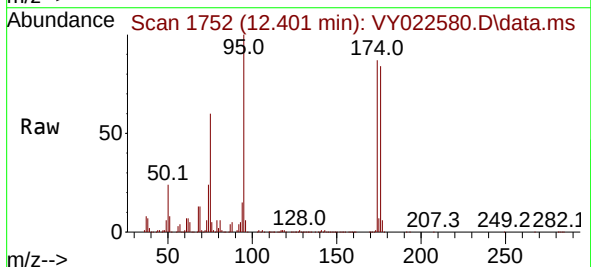
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BU-703-VOC-05

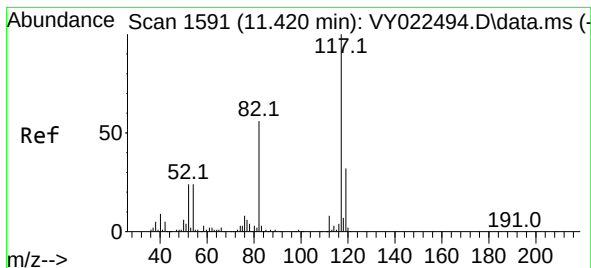
Tgt Ion: 98 Resp: 1258556
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.877 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

Tgt Ion: 95 Resp: 318622
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 83.6 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: VY022580.D

Acq: 05 Jun 2025 17:30

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-05

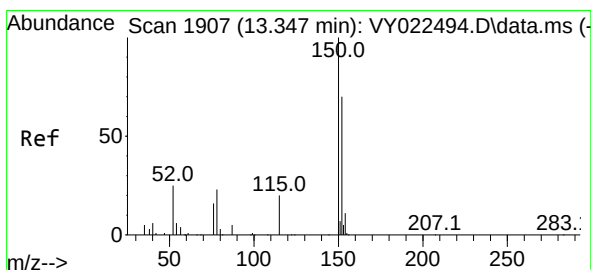
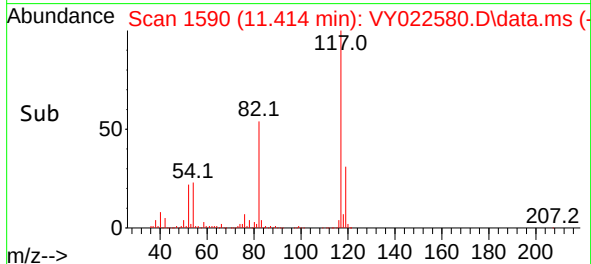
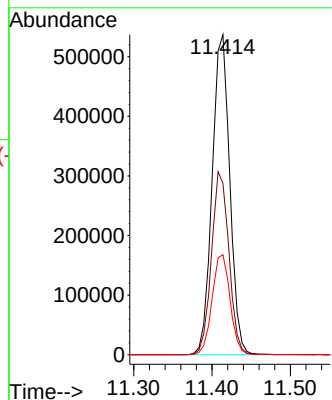
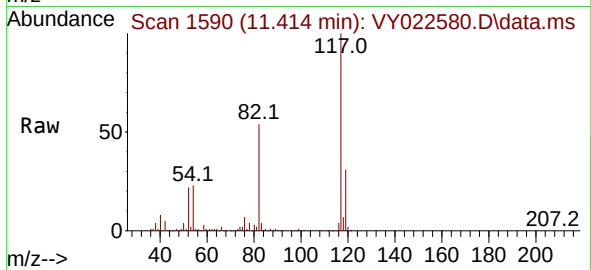
Tgt Ion:117 Resp: 838166

Ion Ratio Lower Upper

117 100

82 53.5 44.6 66.8

119 31.2 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: VY022580.D

Acq: 05 Jun 2025 17:30

Tgt Ion:152 Resp: 323120

Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

150 154.9 0.0 349.6

