

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022588.D
 Acq On : 06 Jun 2025 10:06
 Operator : SY/MD
 Sample : VY0606SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0606SBL01

Quant Time: Jun 06 23:39:22 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	7.707	168	258153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	472393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	131159	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141174	48.895	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.780%
35) Dibromofluoromethane	7.628	113	141070	50.032	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.060%
50) Toluene-d8	10.103	98	568763	49.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.840%
62) 4-Bromofluorobenzene	12.401	95	140051	41.258	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.520%

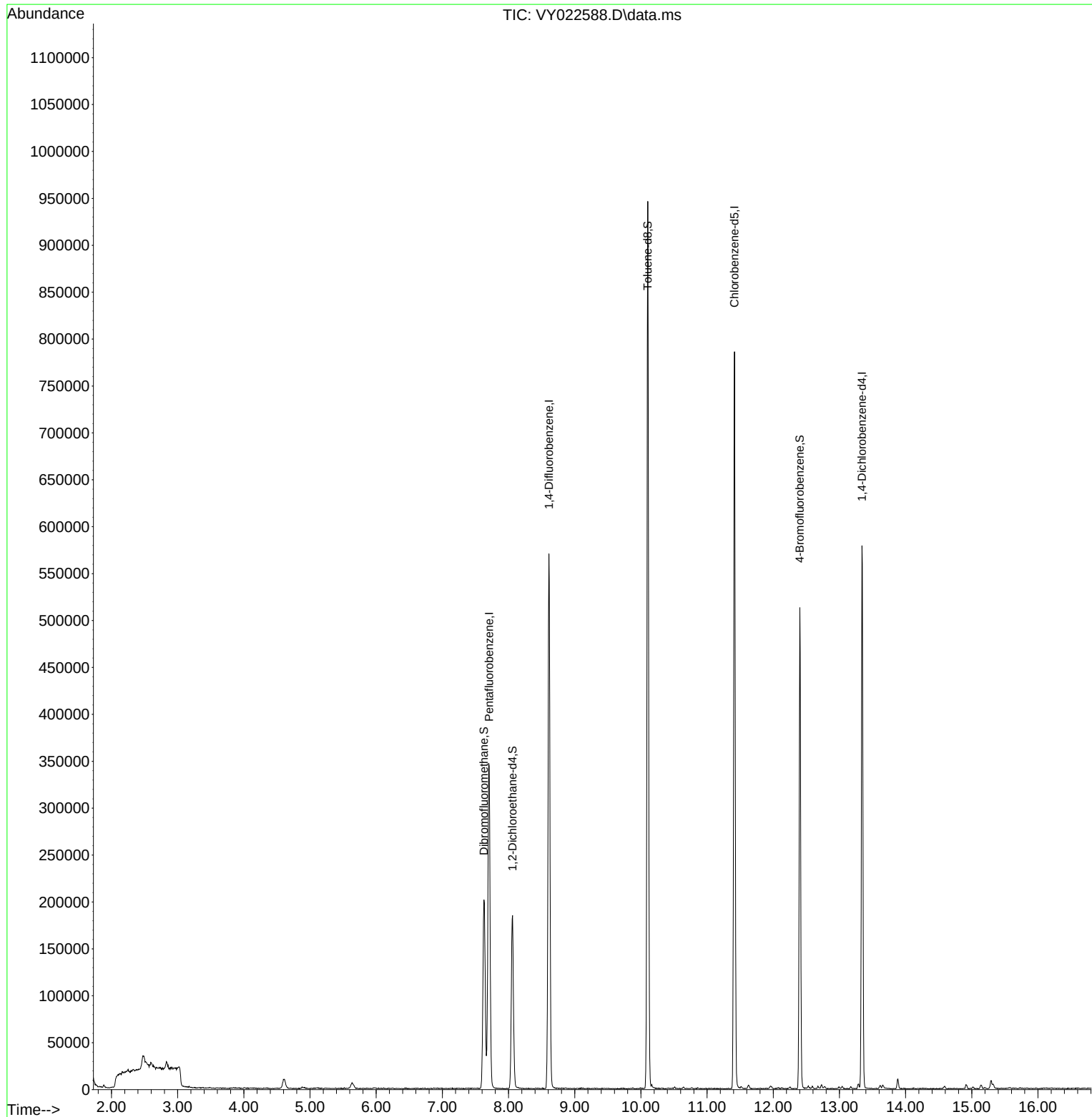
Target Compounds	Qvalue

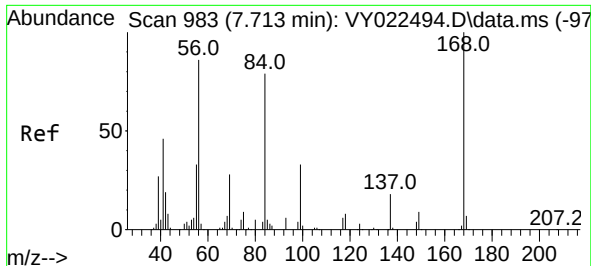
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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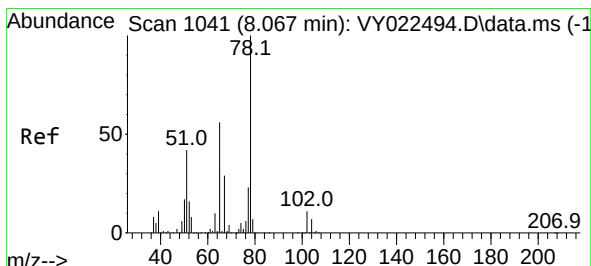
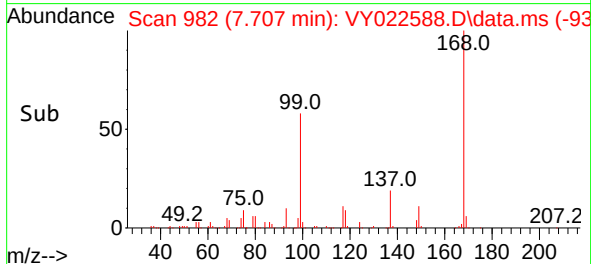
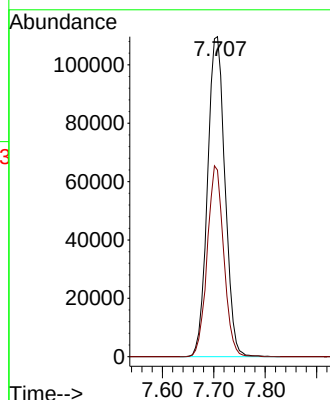
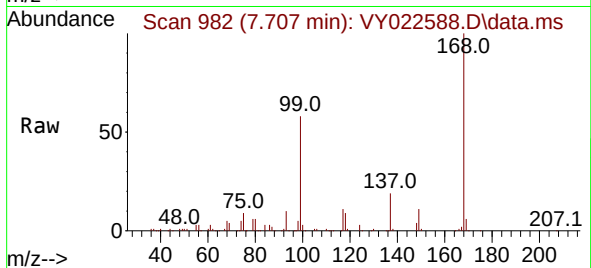




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022588.D
Acq: 06 Jun 2025 10:06

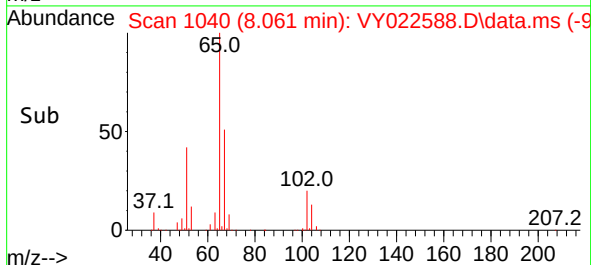
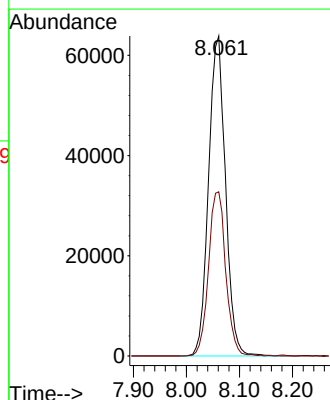
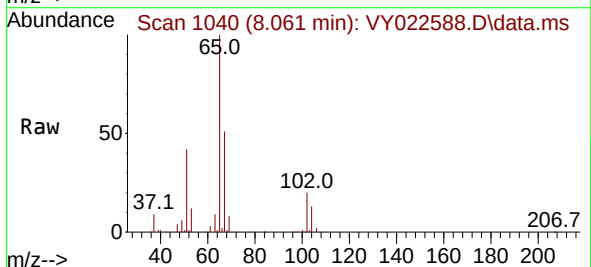
Instrument :
MSVOA_Y
ClientSampleId :
VY0606SBL01

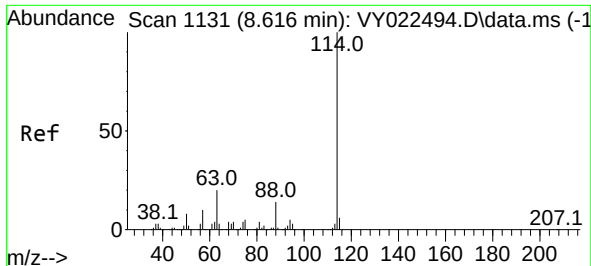
Tgt Ion:168 Resp: 258153
Ion Ratio Lower Upper
168 100
99 58.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 48.895 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022588.D
Acq: 06 Jun 2025 10:06

Tgt Ion: 65 Resp: 141174
Ion Ratio Lower Upper
65 100
67 52.4 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: VY022588.D

Acq: 06 Jun 2025 10:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0606SBL01

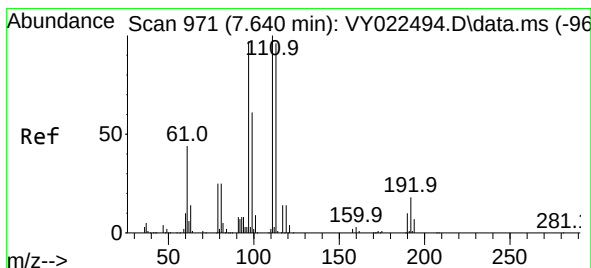
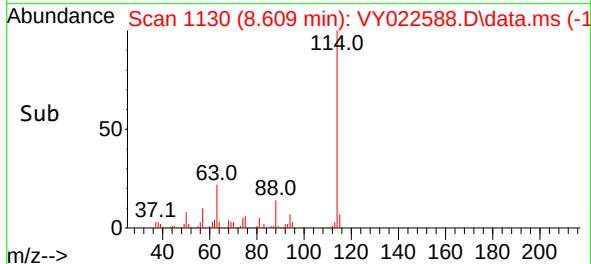
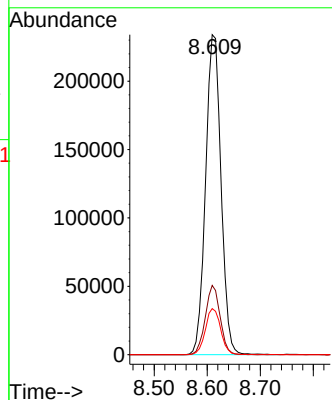
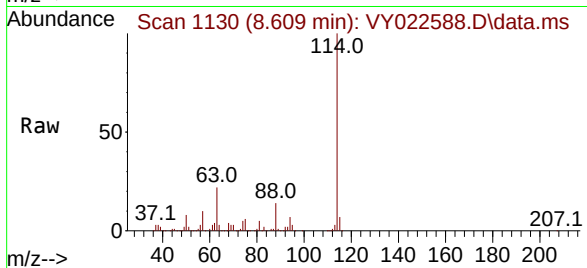
Tgt Ion:114 Resp: 472393

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

88 14.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.032 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022588.D

Acq: 06 Jun 2025 10:06

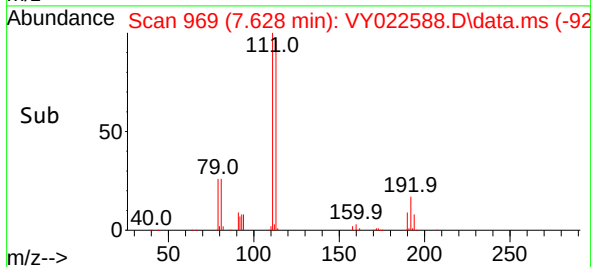
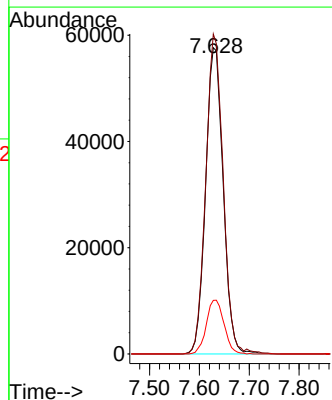
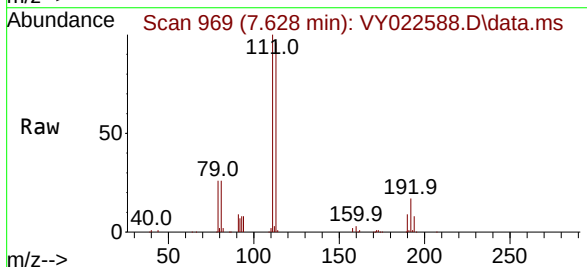
Tgt Ion:113 Resp: 141070

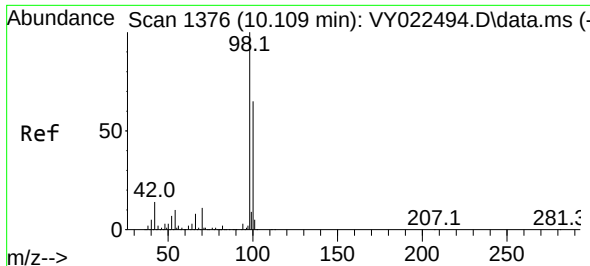
Ion Ratio Lower Upper

113 100

111 103.6 81.1 121.7

192 17.7 14.2 21.2

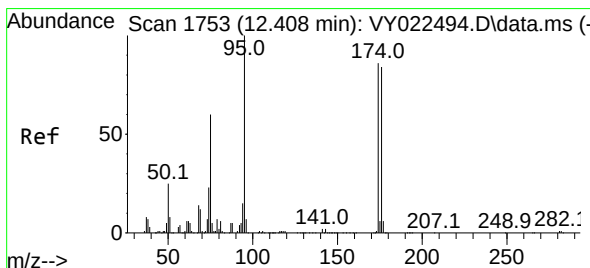
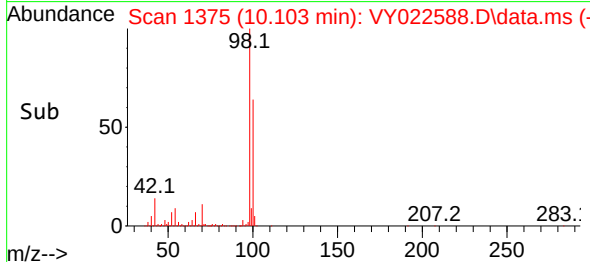
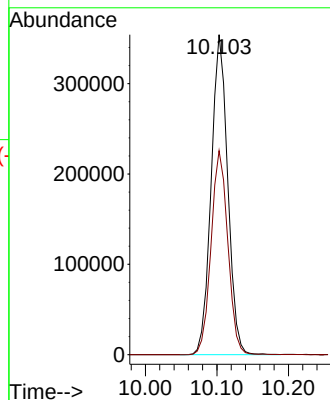
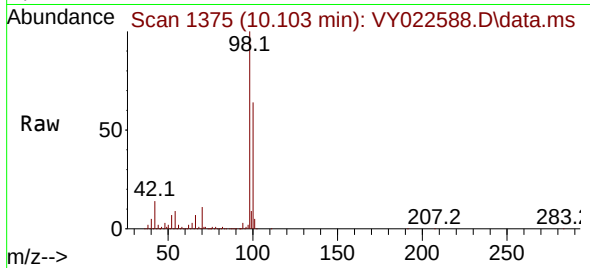




#50
Toluene-d8
Concen: 49.922 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022588.D
Acq: 06 Jun 2025 10:06

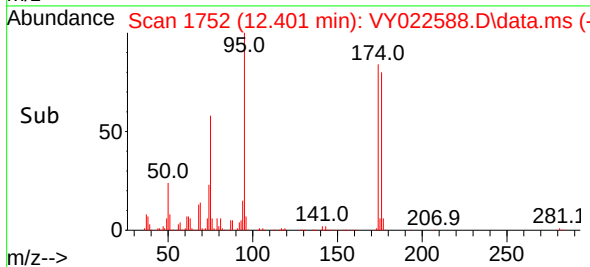
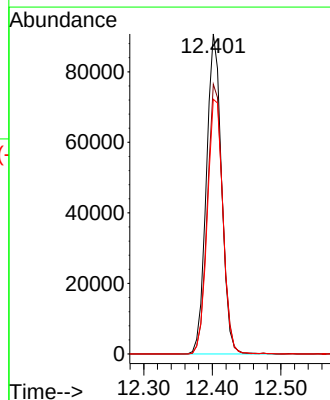
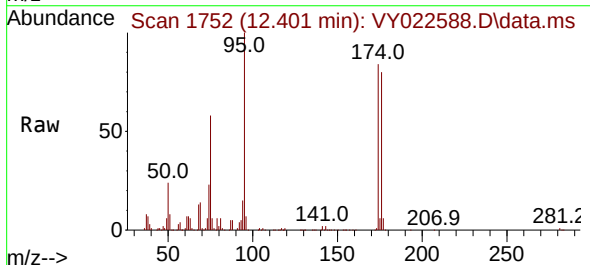
Instrument :
MSVOA_Y
ClientSampleId :
VY0606SBL01

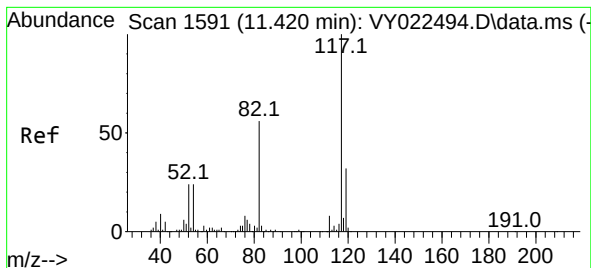
Tgt Ion: 98 Resp: 568763
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.258 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022588.D
Acq: 06 Jun 2025 10:06

Tgt Ion: 95 Resp: 140051
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.0
176 81.9 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: VY022588.D

Acq: 06 Jun 2025 10:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0606SBL01

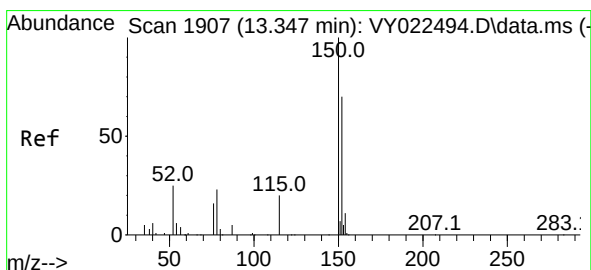
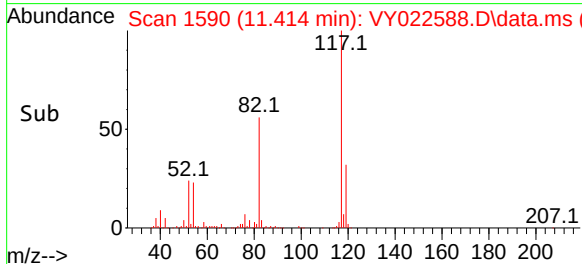
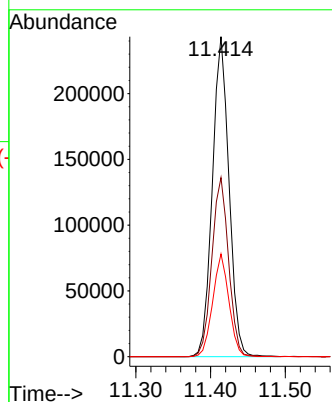
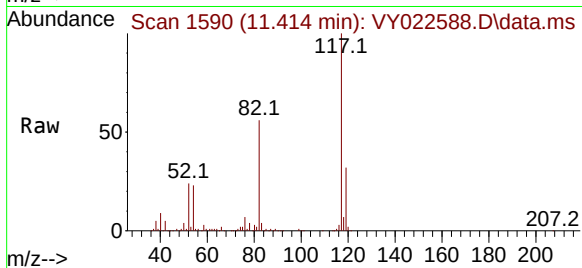
Tgt Ion:117 Resp: 375953

Ion Ratio Lower Upper

117 100

82 56.0 44.6 66.8

119 32.1 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: VY022588.D

Acq: 06 Jun 2025 10:06

Tgt Ion:152 Resp: 131159

Ion Ratio Lower Upper

152 100

115 59.1 28.9 86.7

150 160.3 0.0 349.6

