

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023029.D
 Acq On : 21 Jul 2025 16:10
 Operator : SY/MD
 Sample : Q2649-23
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-6-VOC

Quant Time: Jul 22 04:53:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	270584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	516563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	539646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	246358	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	168358	61.462	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.920%
35) Dibromofluoromethane	7.634	113	167337	51.068	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.140%
50) Toluene-d8	10.103	98	646921	49.785	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.560%
62) 4-Bromofluorobenzene	12.402	95	235849	57.659	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	115.320%

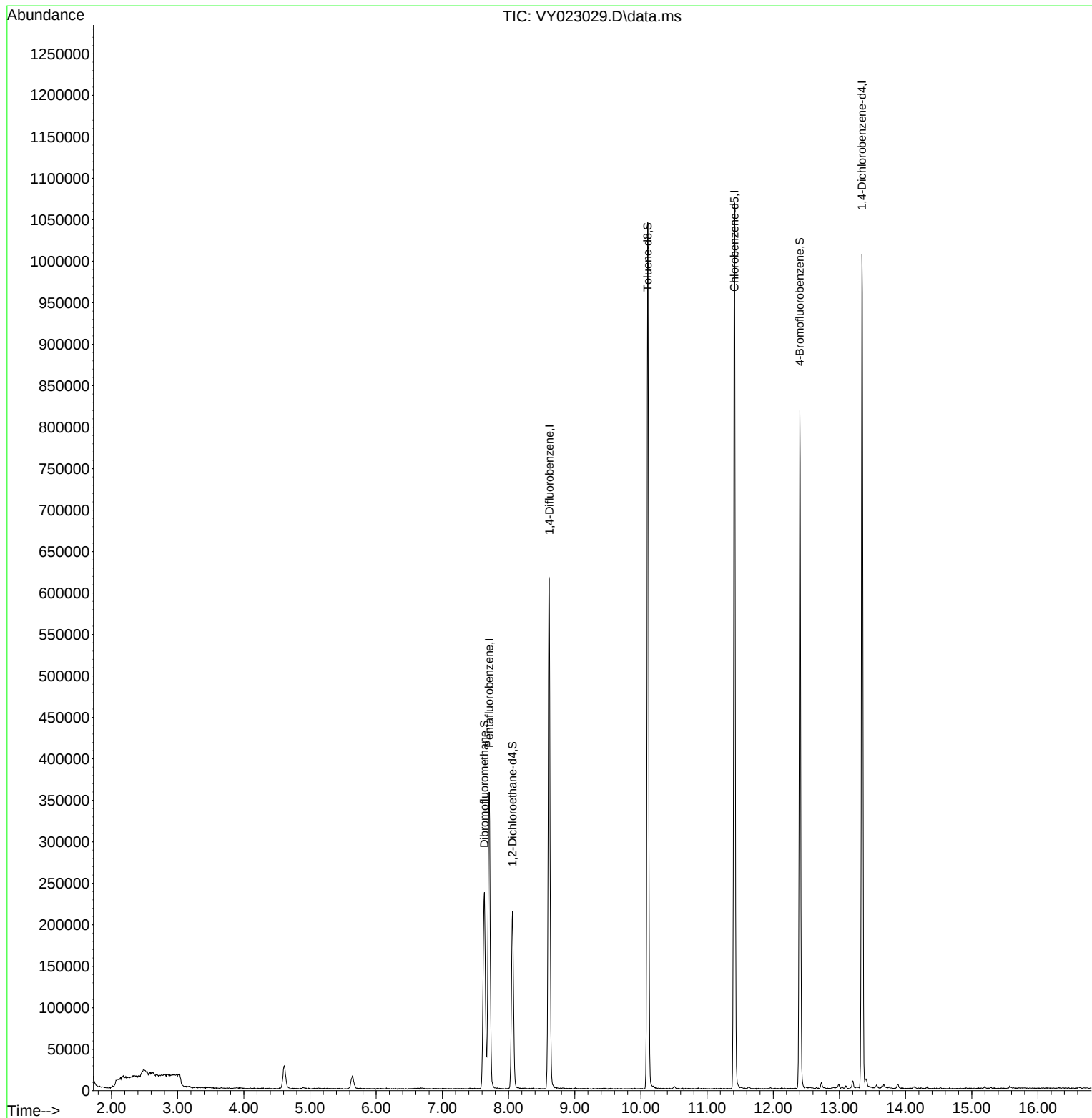
Target Compounds	Qvalue

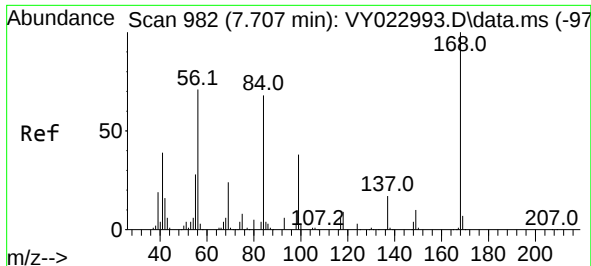
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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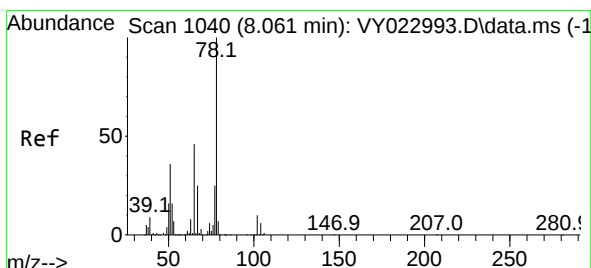
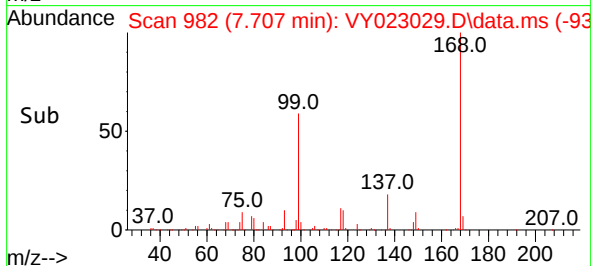
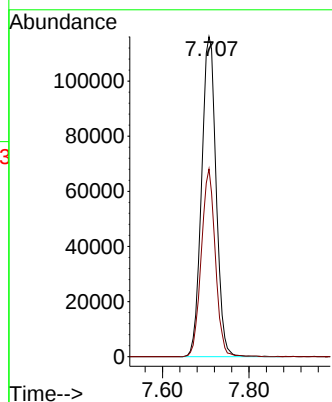
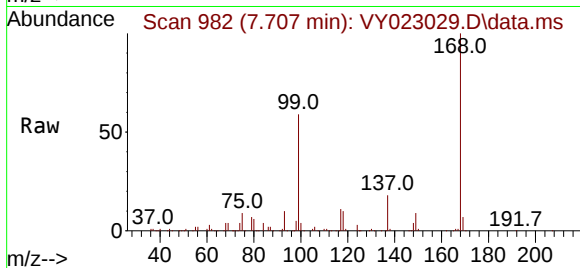




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023029.D
Acq: 21 Jul 2025 16:10

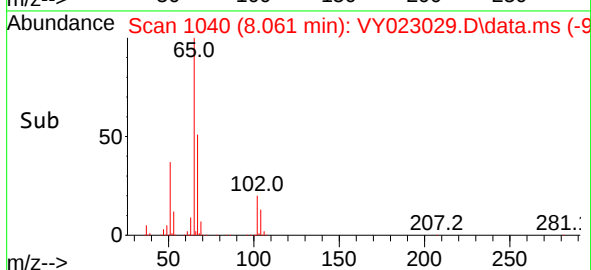
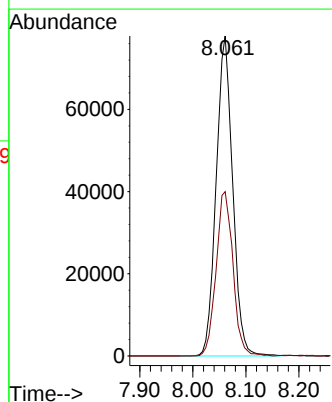
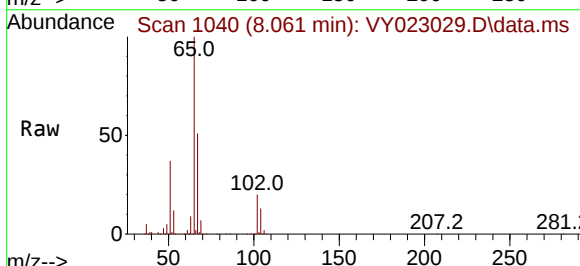
Instrument :
MSVOA_Y
ClientSampleId :
WC-6-VOC

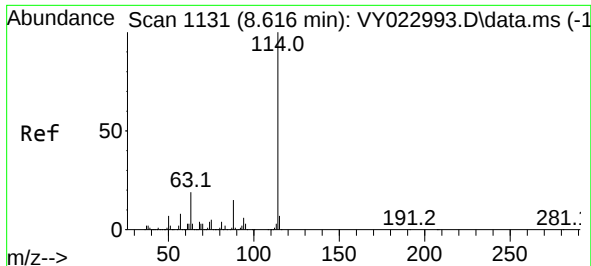
Tgt Ion:168 Resp: 270584
Ion Ratio Lower Upper
168 100
99 58.7 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 61.462 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023029.D
Acq: 21 Jul 2025 16:10

Tgt Ion: 65 Resp: 168358
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

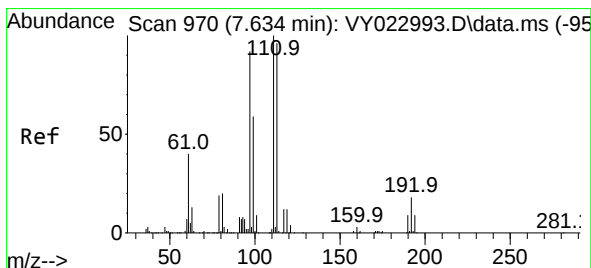
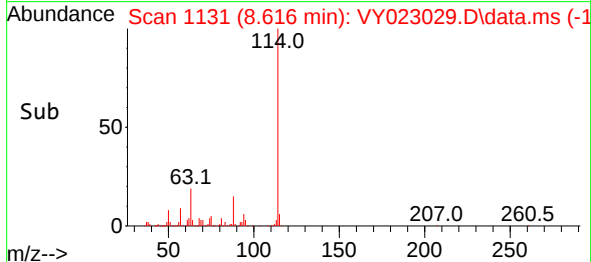
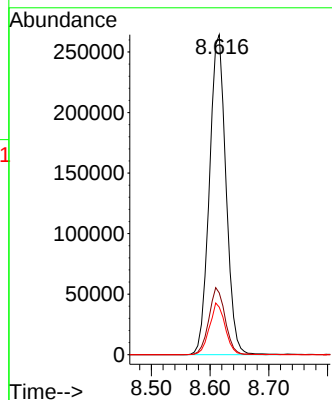
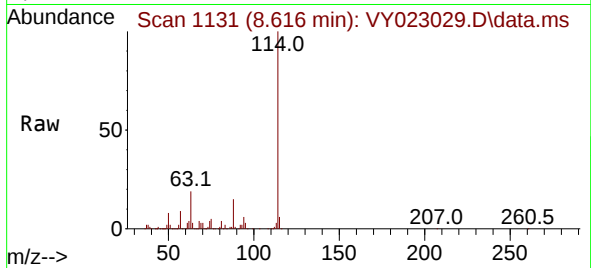




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023029.D
Acq: 21 Jul 2025 16:10

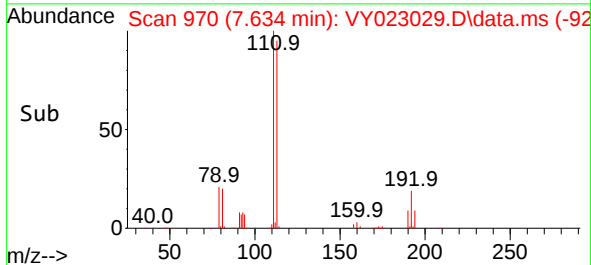
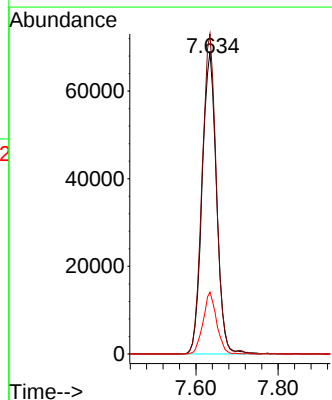
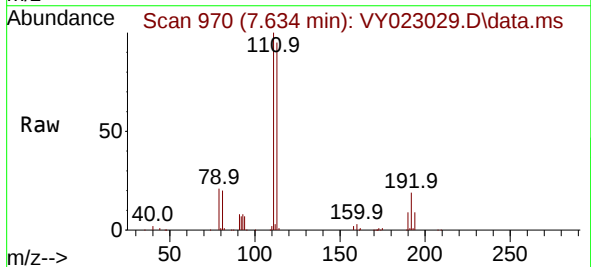
Instrument :
MSVOA_Y
ClientSampleId :
WC-6-VOC

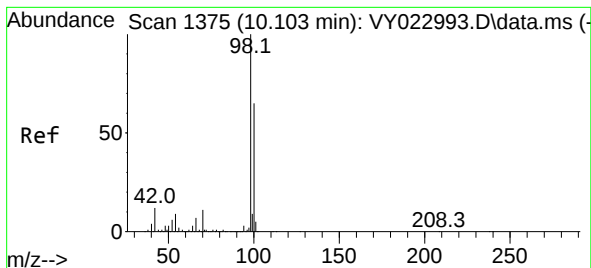
Tgt Ion:114 Resp: 516563
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.8
88 14.9 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.068 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023029.D
Acq: 21 Jul 2025 16:10

Tgt Ion:113 Resp: 167337
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 19.2 15.3 22.9





#50

Toluene-d8

Concen: 49.785 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023029.D

Acq: 21 Jul 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :

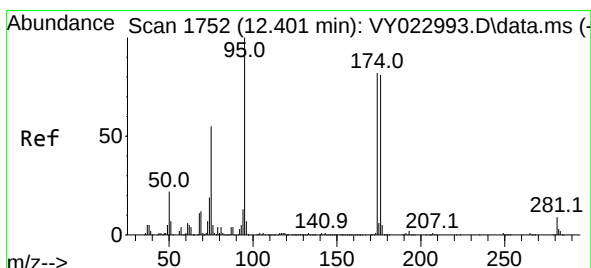
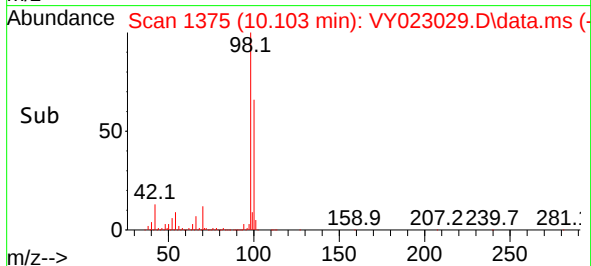
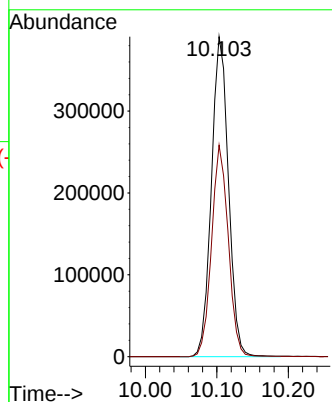
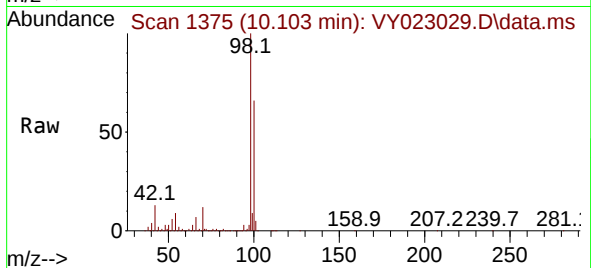
WC-6-VOC

Tgt Ion: 98 Resp: 646921

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 57.659 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023029.D

Acq: 21 Jul 2025 16:10

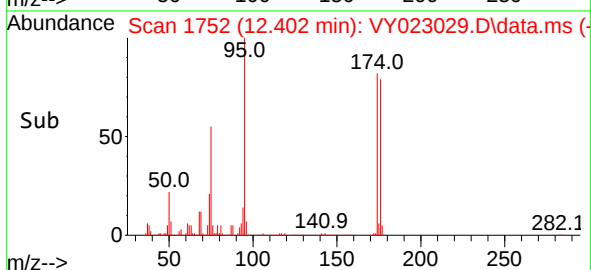
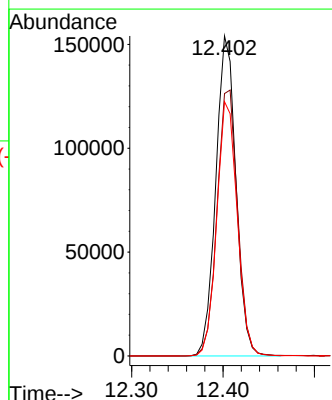
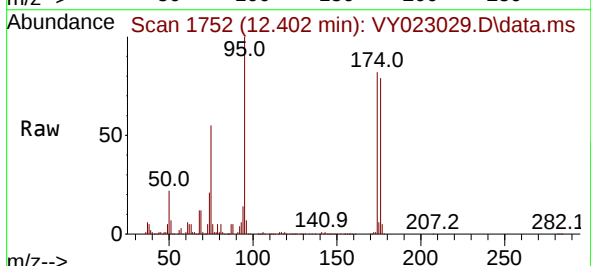
Tgt Ion: 95 Resp: 235849

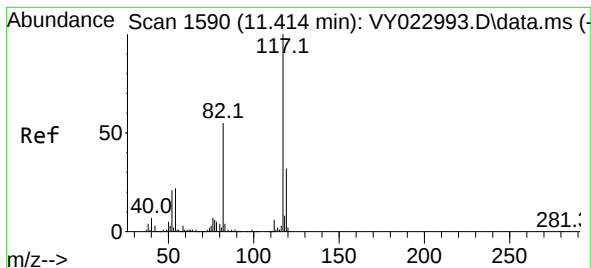
Ion Ratio Lower Upper

95 100

174 85.4 0.0 170.8

176 80.8 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023029.D

Acq: 21 Jul 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :

WC-6-VOC

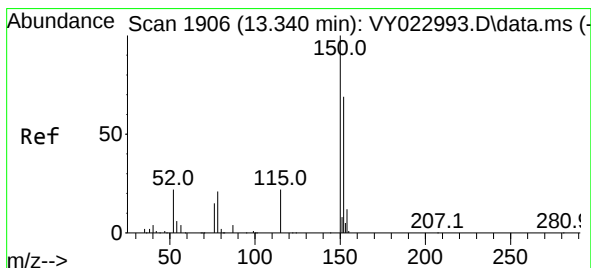
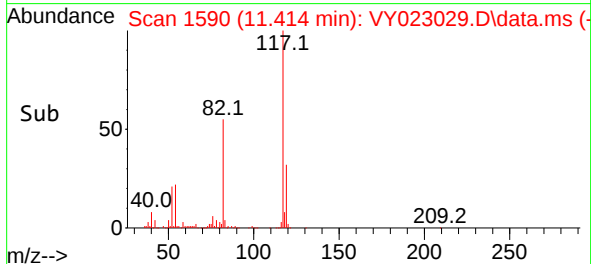
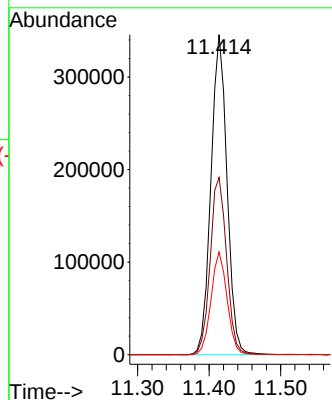
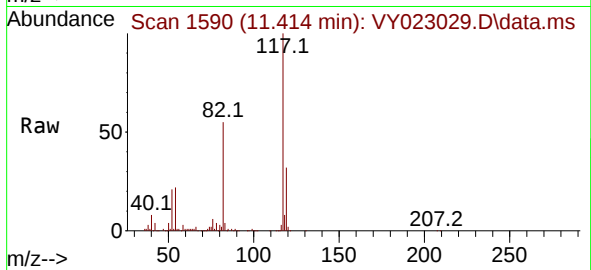
Tgt Ion:117 Resp: 539646

Ion Ratio Lower Upper

117 100

82 55.4 44.3 66.5

119 32.0 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023029.D

Acq: 21 Jul 2025 16:10

Tgt Ion:152 Resp: 246358

Ion Ratio Lower Upper

152 100

115 57.5 29.4 88.2

150 157.4 0.0 350.0

