

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023024.D
 Acq On : 21 Jul 2025 14:13
 Operator : SY/MD
 Sample : Q2649-03
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Jul 22 04:51:37 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	274483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	523962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	538368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249831	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171604	61.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.520%
35) Dibromofluoromethane	7.634	113	172196	51.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.620%
50) Toluene-d8	10.103	98	650525	49.355	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.402	95	237532	57.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	114.500%

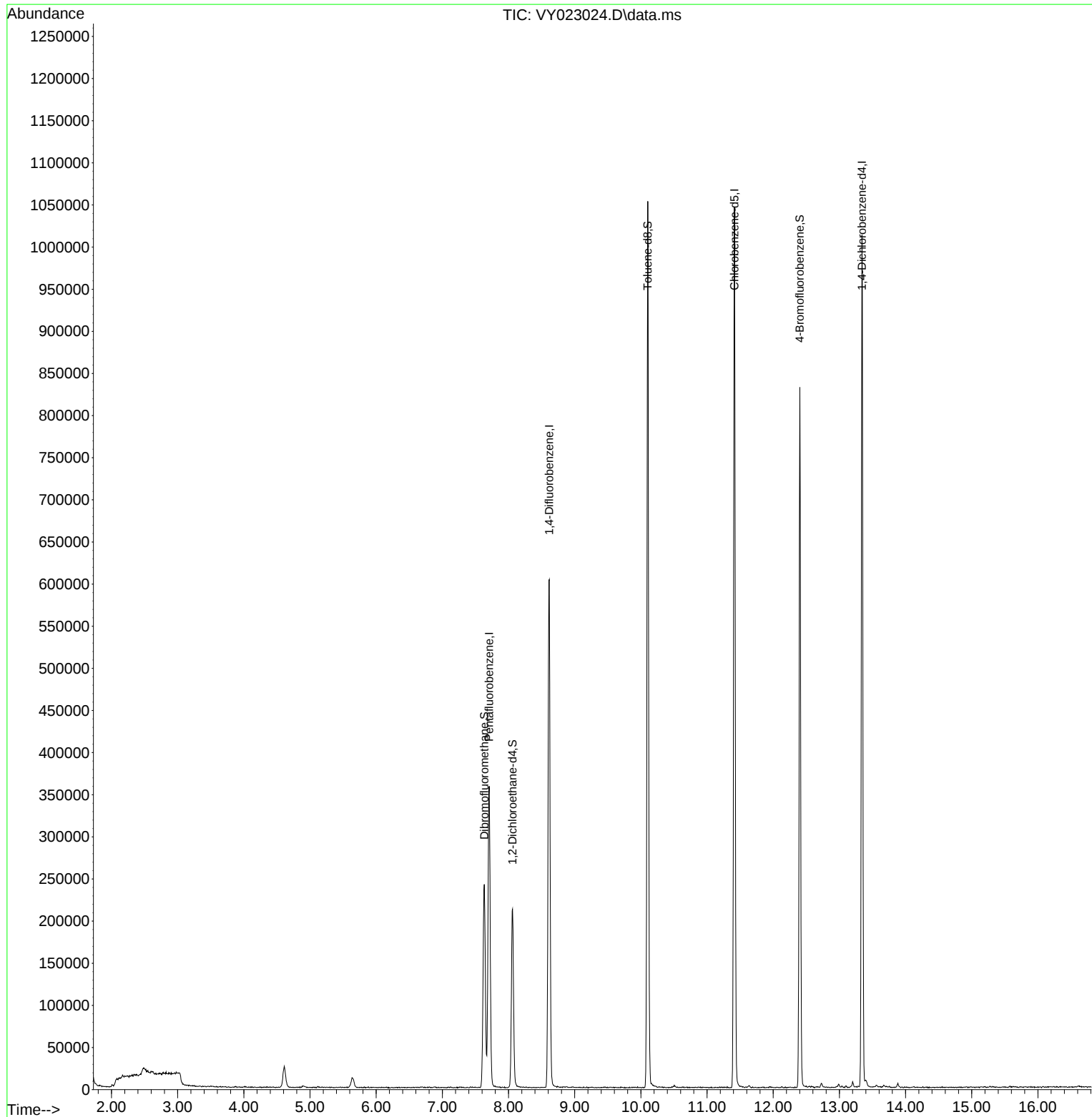
Target Compounds	Qvalue

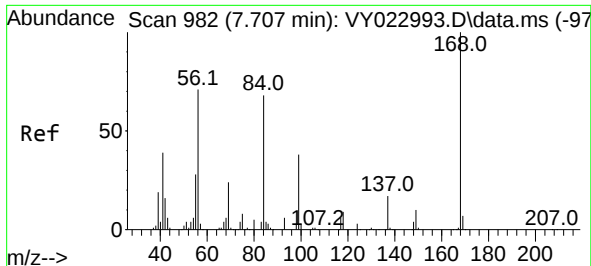
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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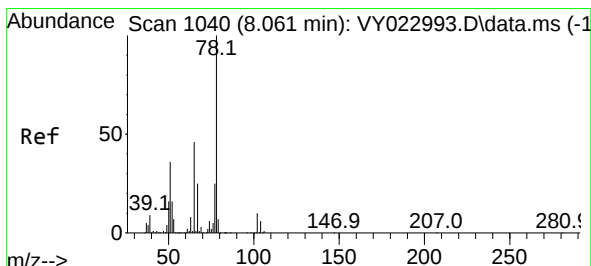
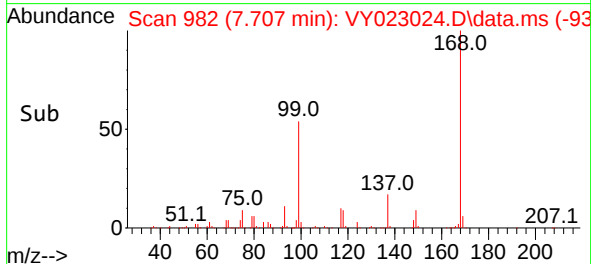
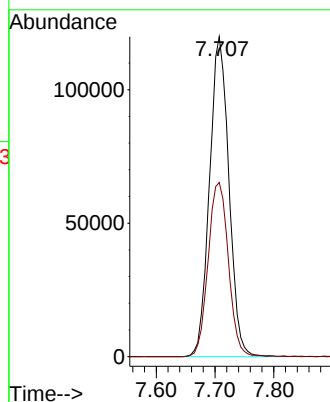
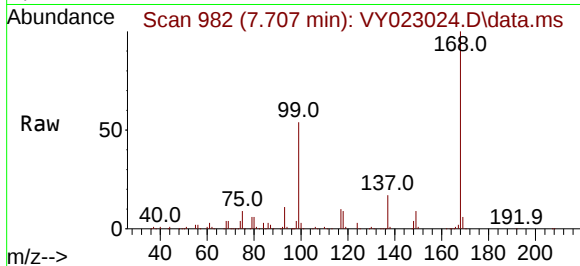




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

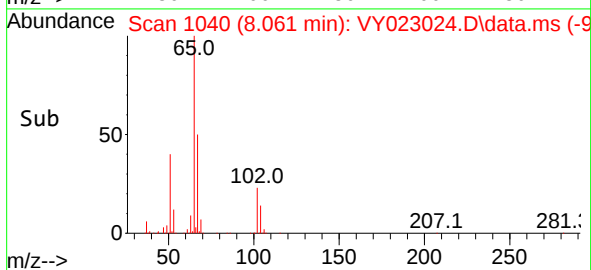
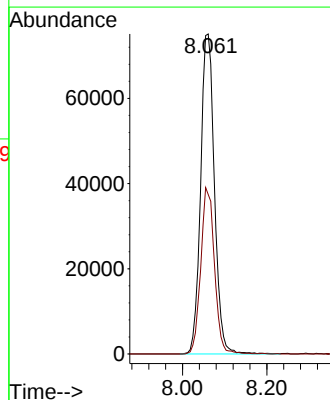
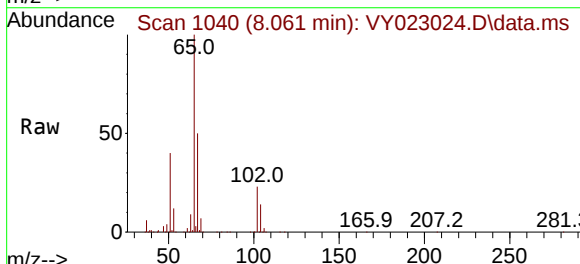
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

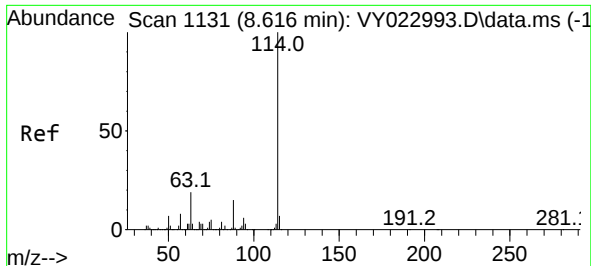
Tgt Ion:168 Resp: 274483
Ion Ratio Lower Upper
168 100
99 54.4 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 61.757 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

Tgt Ion: 65 Resp: 171604
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.4

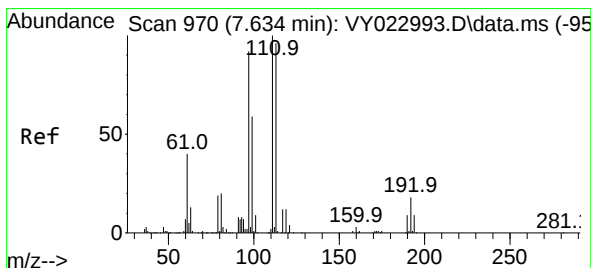
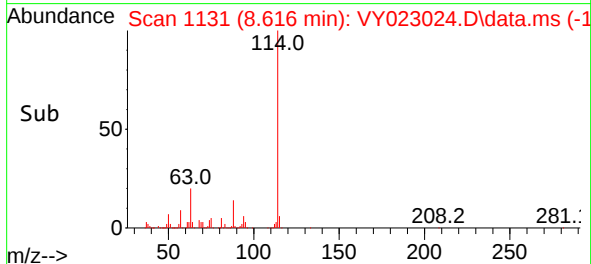
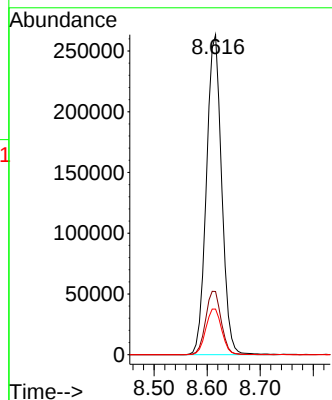
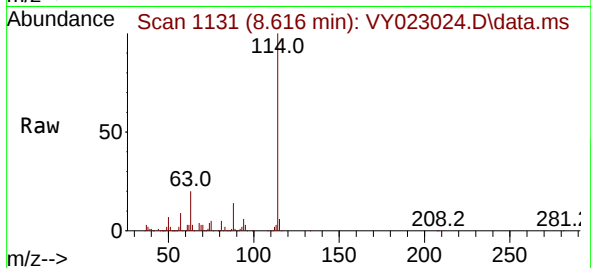




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

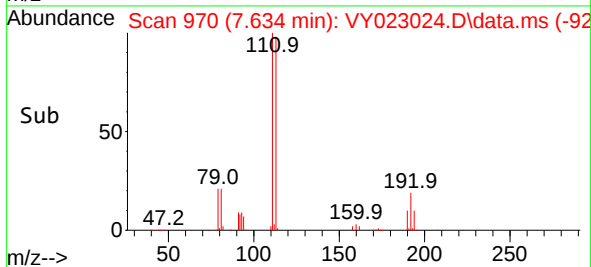
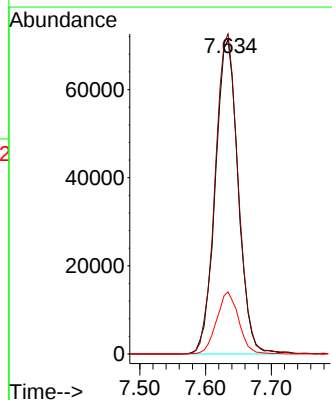
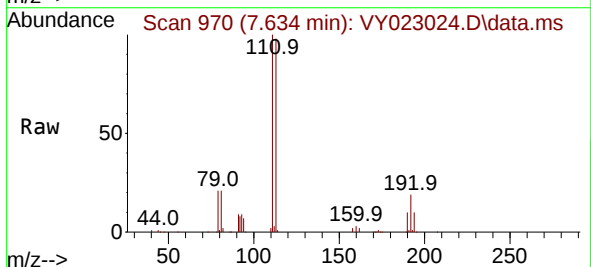
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

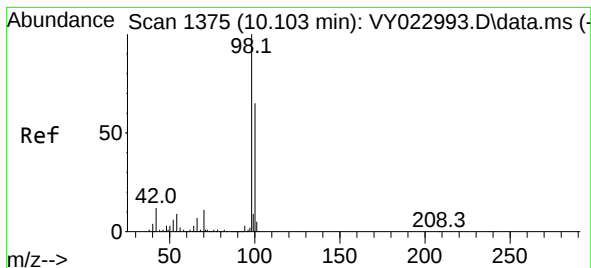
Tgt Ion:114 Resp: 523962
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.8
88 14.3 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.809 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

Tgt Ion:113 Resp: 172196
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 19.1 15.3 22.9





#50

Toluene-d8

Concen: 49.355 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

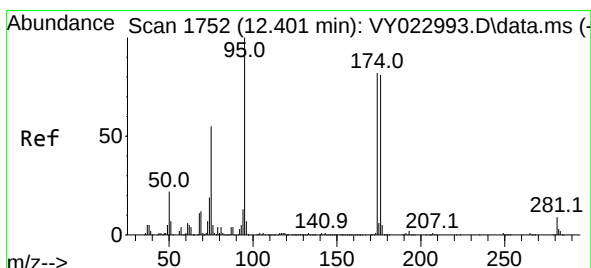
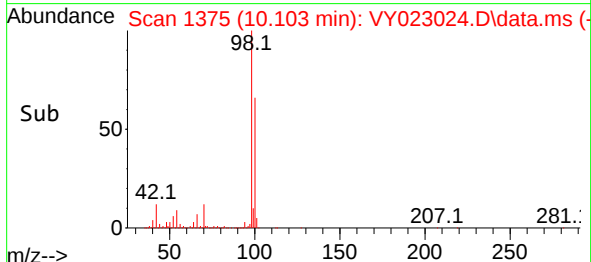
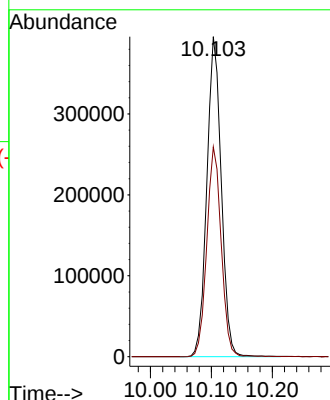
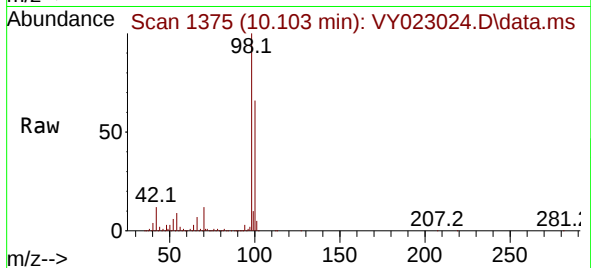
WC-1-VOC

Tgt Ion: 98 Resp: 650525

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 57.250 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

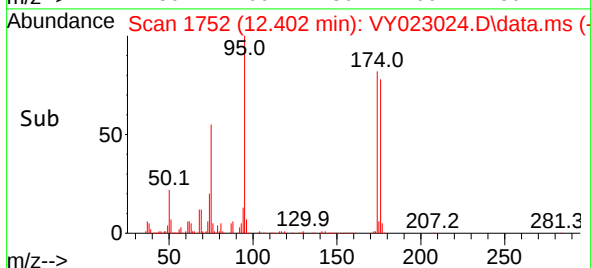
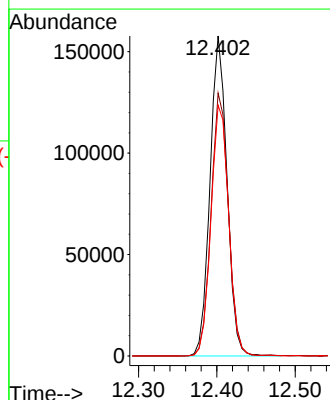
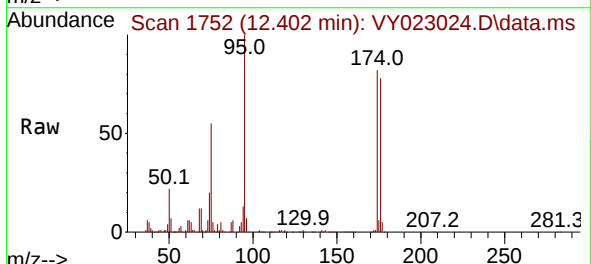
Tgt Ion: 95 Resp: 237532

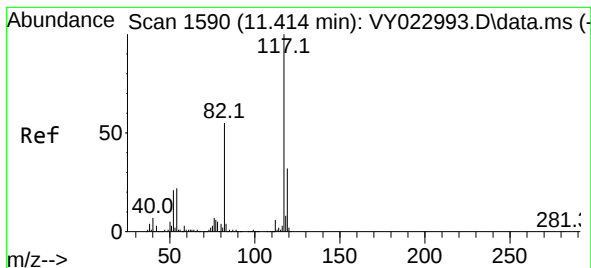
Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.8

176 81.7 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: VY023024.D

Acq: 21 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

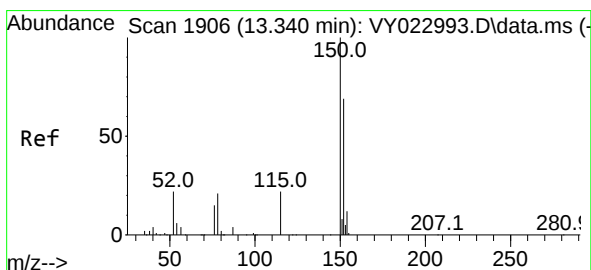
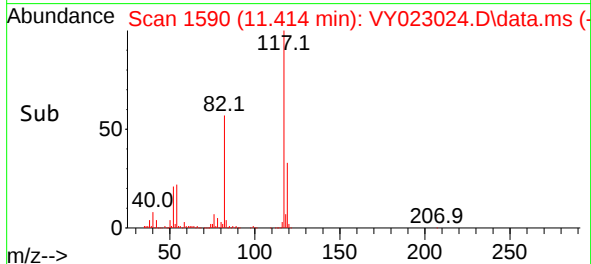
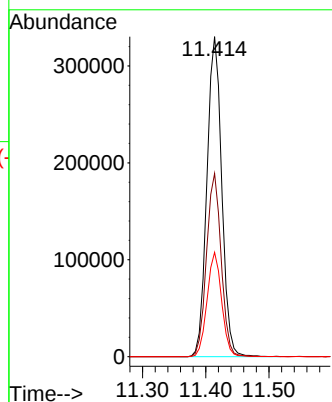
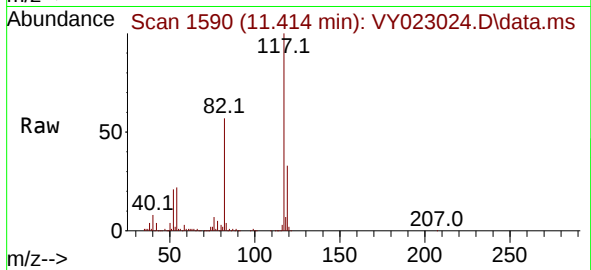
Tgt Ion:117 Resp: 538368

Ion Ratio Lower Upper

117 100

82 57.3 44.3 66.5

119 32.6 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: VY023024.D

Acq: 21 Jul 2025 14:13

Tgt Ion:152 Resp: 249831

Ion Ratio Lower Upper

152 100

115 56.1 29.4 88.2

150 154.6 0.0 350.0

