

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021339.D
 Acq On : 26 Feb 2025 18:11
 Operator : SY/MD
 Sample : Q1420-07
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-WC-VOC

Quant Time: Feb 27 00:41:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	290449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	595504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	633778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	284728	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193556	58.744	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.480%
35) Dibromofluoromethane	7.634	113	197043	50.470	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.940%
50) Toluene-d8	10.109	98	753598	49.945	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.407	95	298354	58.755	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	117.500%

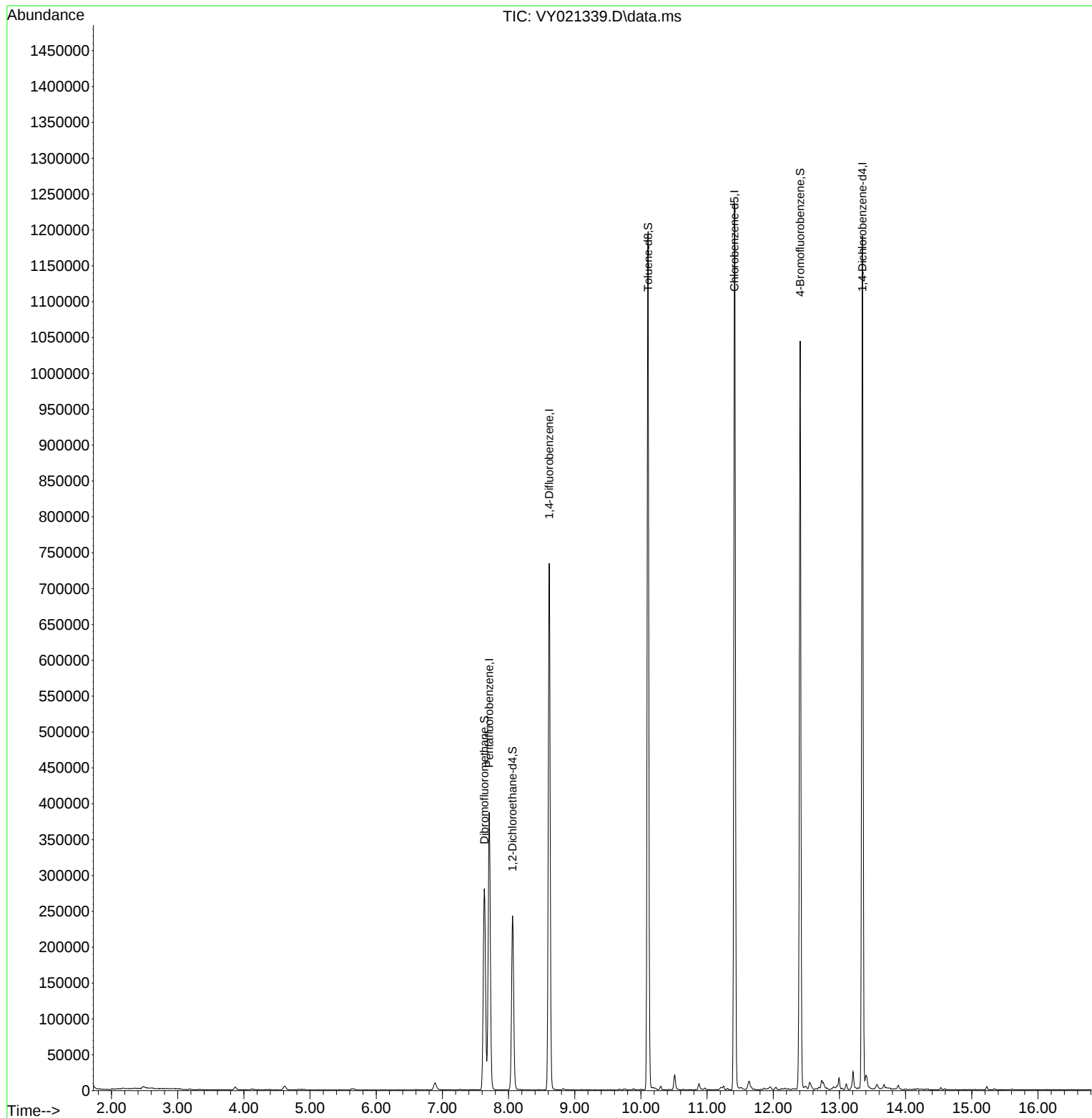
Target Compounds	Qvalue

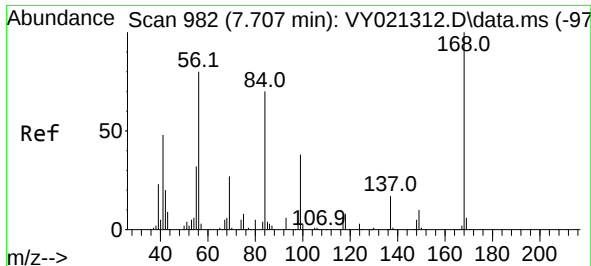
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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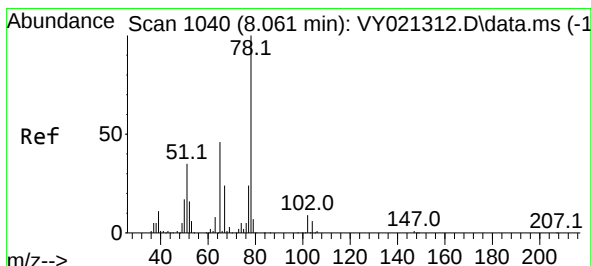
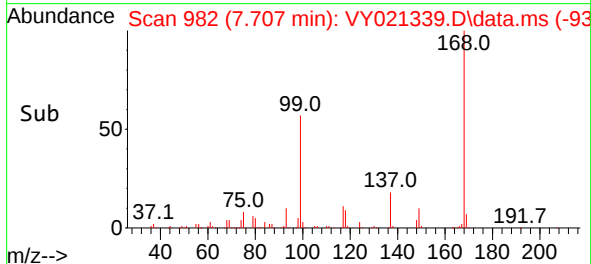
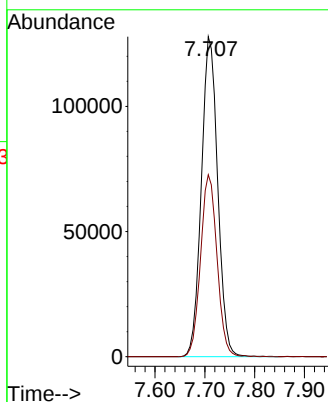
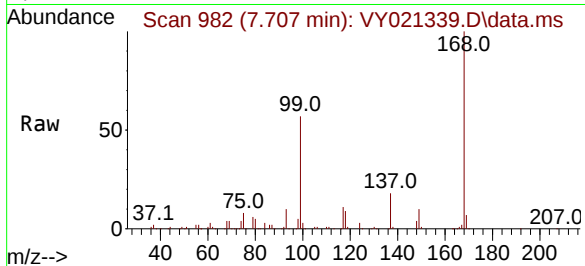




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY021339.D
Acq: 26 Feb 2025 18:11

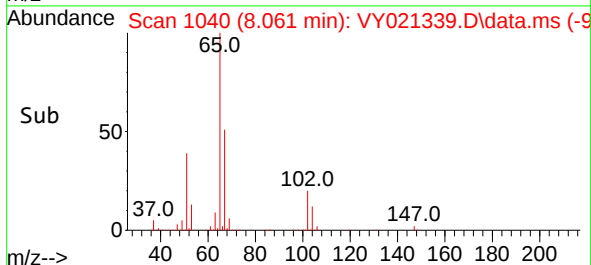
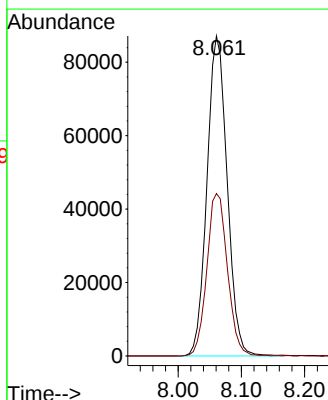
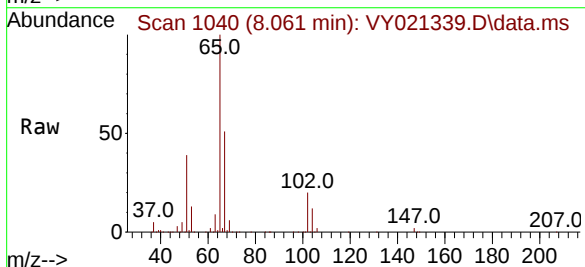
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-WC-VOC

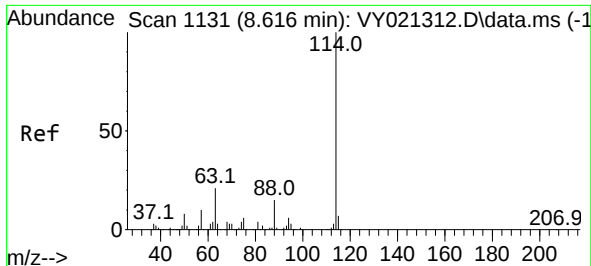
Tgt Ion:168 Resp: 290449
Ion Ratio Lower Upper
168 100
99 56.9 47.1 70.7



#33
1,2-Dichloroethane-d4
Concen: 58.744 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021339.D
Acq: 26 Feb 2025 18:11

Tgt Ion: 65 Resp: 193556
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.6

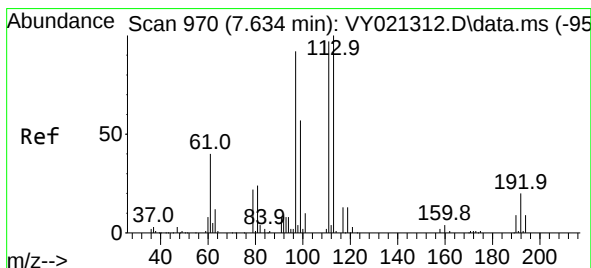
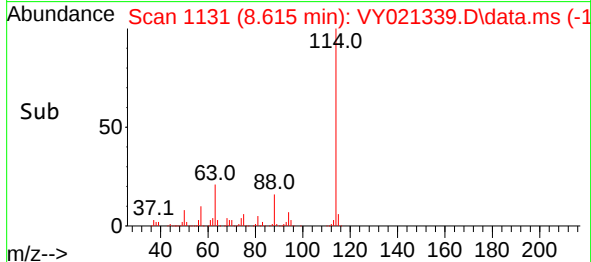
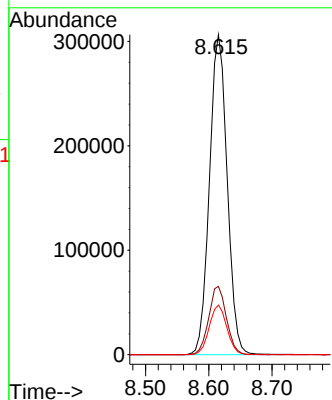
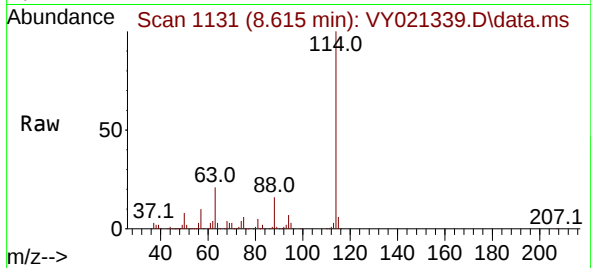




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021339.D
Acq: 26 Feb 2025 18:11

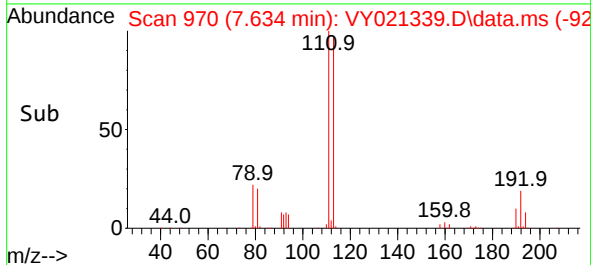
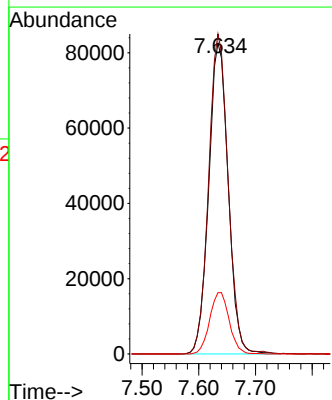
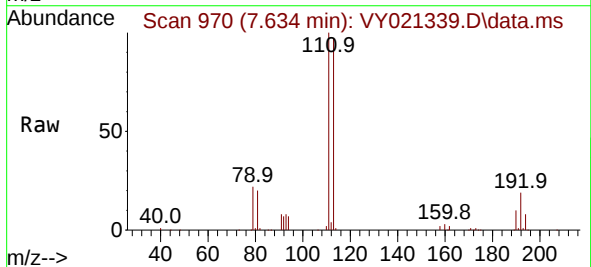
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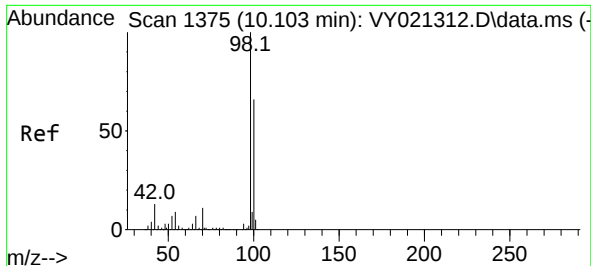
Tgt Ion:114 Resp: 595504
Ion Ratio Lower Upper
114 100
63 21.4 0.0 42.2
88 15.5 0.0 29.8



#35
Dibromofluoromethane
Concen: 50.470 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021339.D
Acq: 26 Feb 2025 18:11

Tgt Ion:113 Resp: 197043
Ion Ratio Lower Upper
113 100
111 103.1 81.0 121.6
192 19.8 15.8 23.8

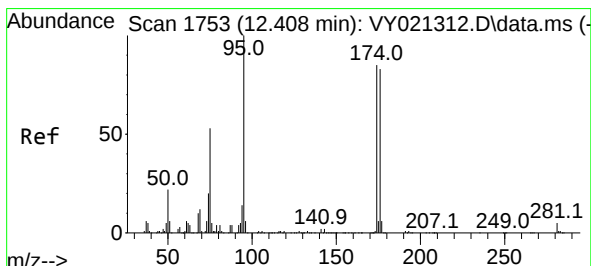
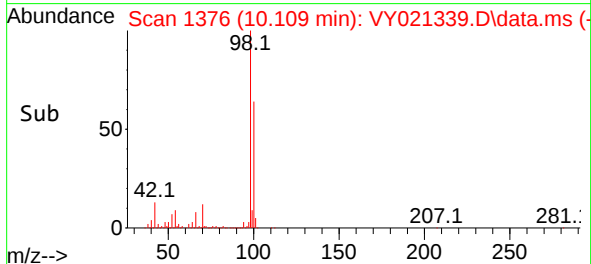
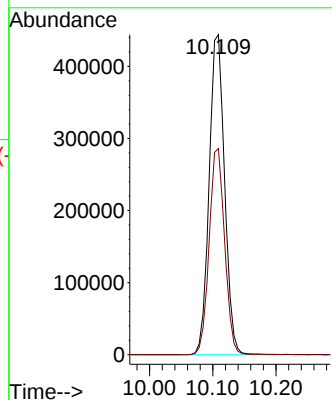
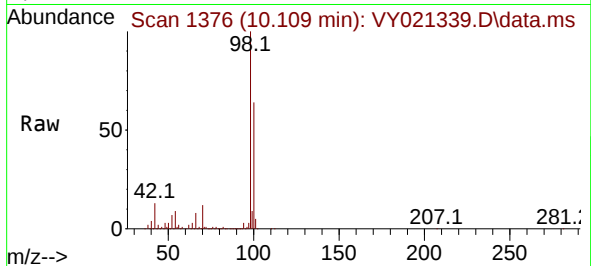




#50
Toluene-d8
Concen: 49.945 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY021339.D
Acq: 26 Feb 2025 18:11

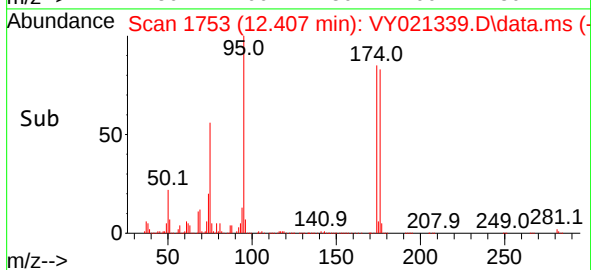
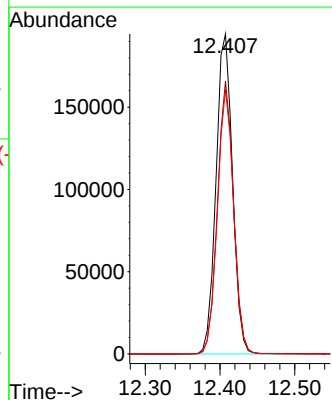
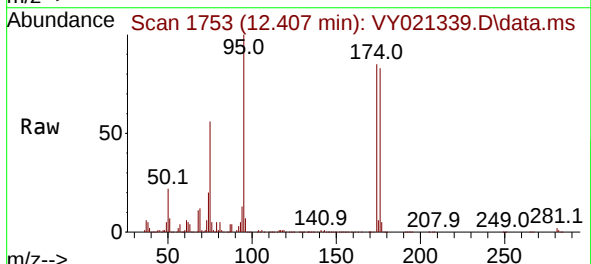
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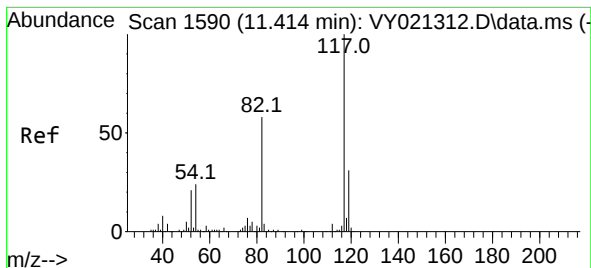
Tgt Ion: 98 Resp: 753598
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 58.755 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021339.D
Acq: 26 Feb 2025 18:11

Tgt Ion: 95 Resp: 298354
Ion Ratio Lower Upper
95 100
174 83.6 0.0 168.0
176 81.2 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021339.D

Acq: 26 Feb 2025 18:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-WC-VOC

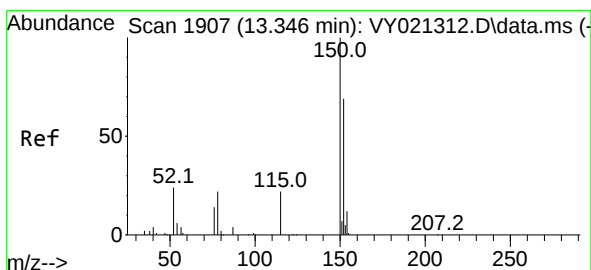
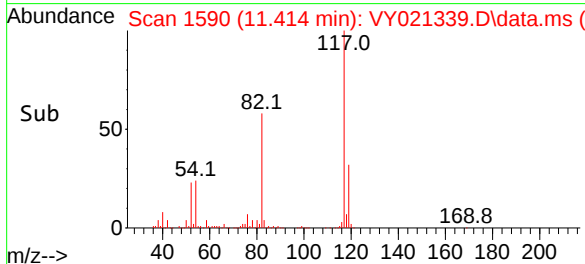
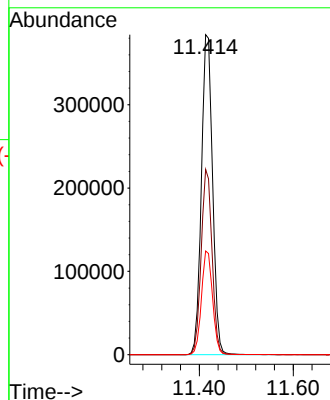
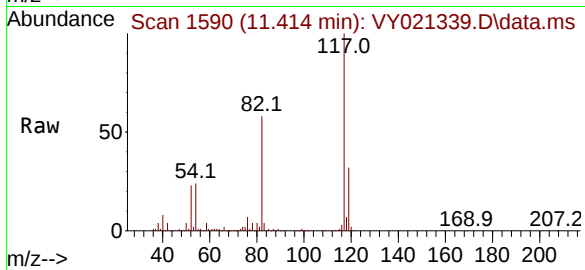
Tgt Ion:117 Resp: 633778

Ion Ratio Lower Upper

117 100

82 57.9 46.2 69.4

119 32.4 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021339.D

Acq: 26 Feb 2025 18:11

Tgt Ion:152 Resp: 284728

Ion Ratio Lower Upper

152 100

115 59.1 29.3 88.0

150 155.9 0.0 347.4

