

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021856.D
 Acq On : 11 Apr 2025 13:57
 Operator : SY/MD
 Sample : Q1781-03
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-13-VOC

Quant Time: Apr 12 02:48:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	306387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	555925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	476676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	181699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169923	51.188	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.380%
35) Dibromofluoromethane	7.634	113	182536	50.617	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.240%
50) Toluene-d8	10.109	98	662357	48.280	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.560%
62) 4-Bromofluorobenzene	12.408	95	193016	41.594	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.180%

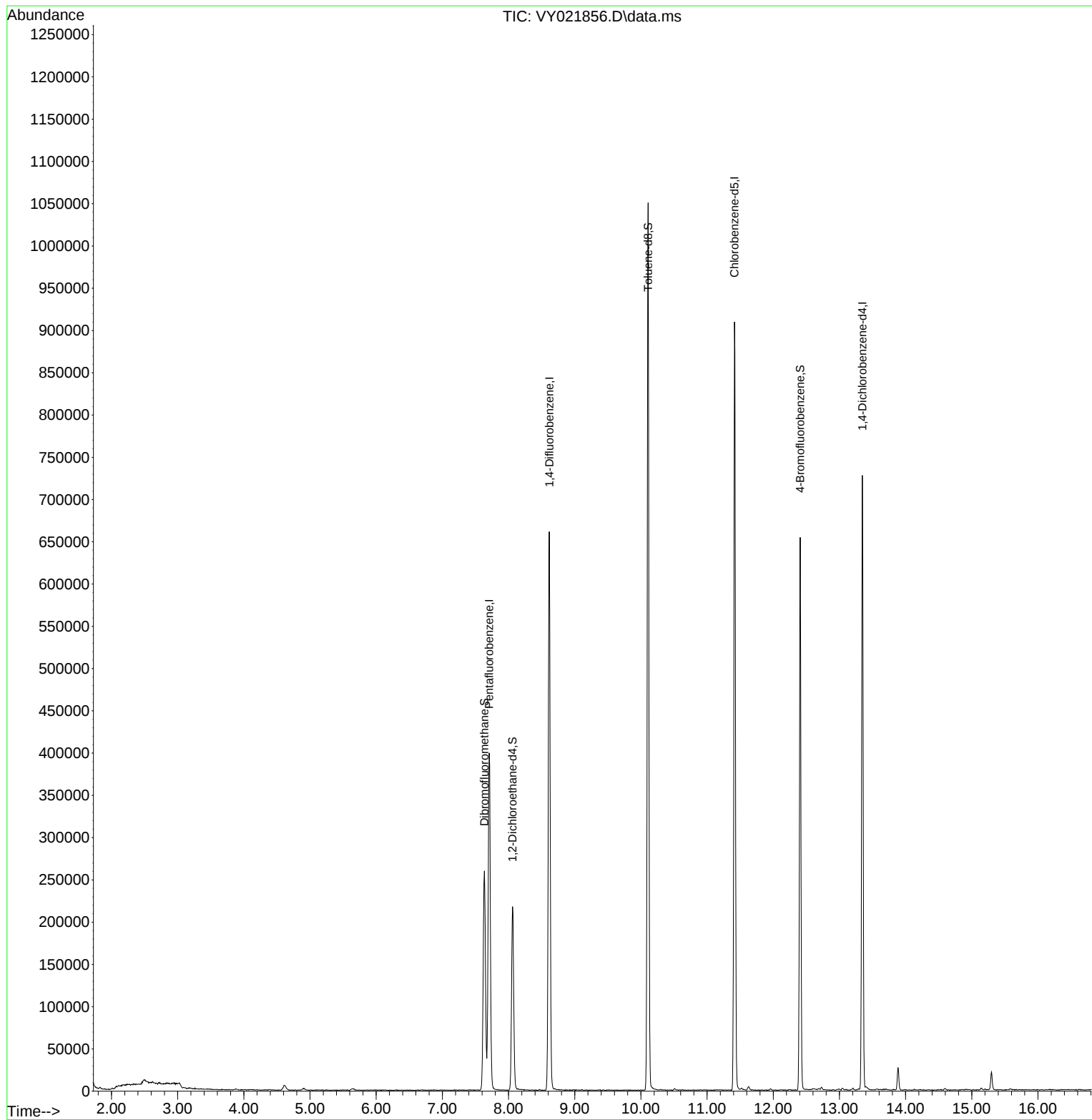
Target Compounds	Qvalue

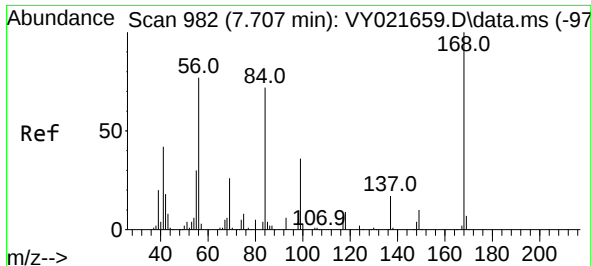
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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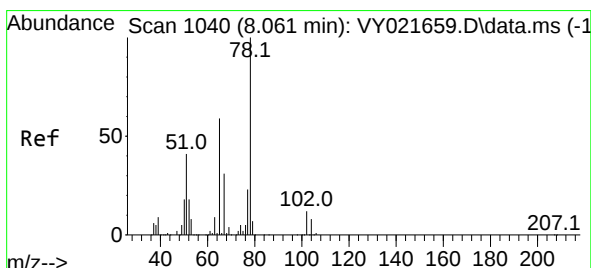
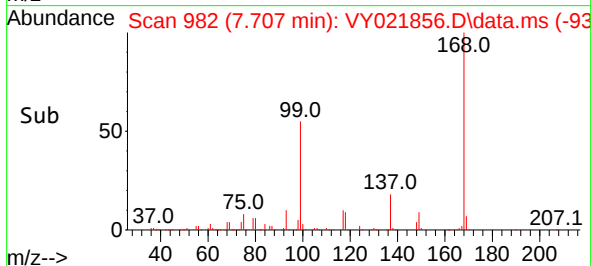
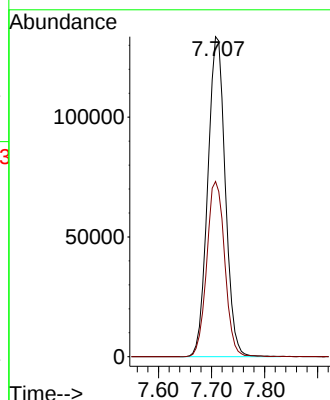
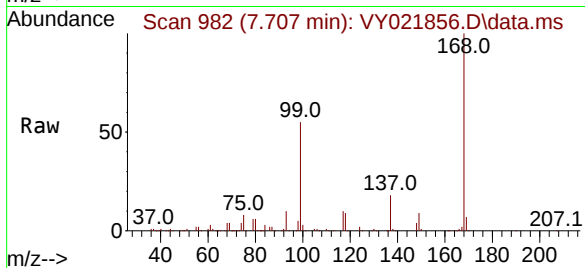




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

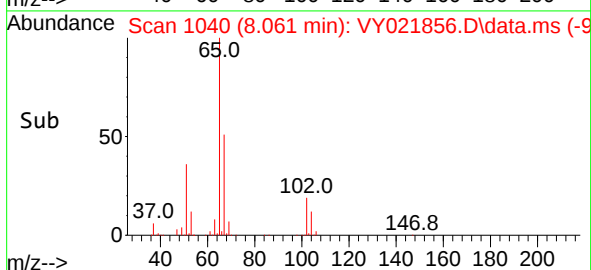
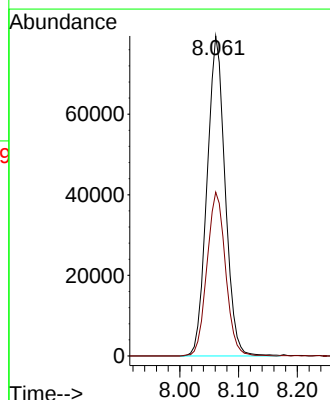
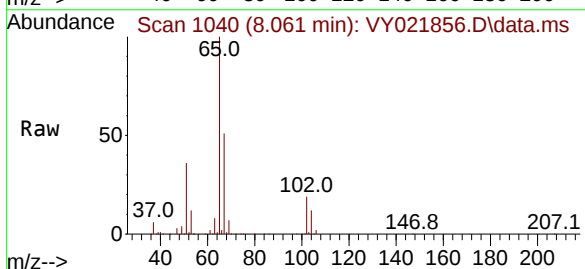
Instrument :
MSVOA_Y
ClientSampleId :
WC-13-VOC

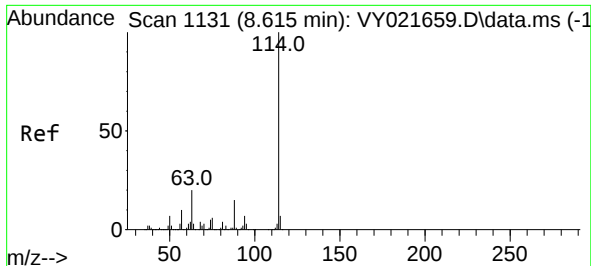
Tgt Ion:168 Resp: 306387
Ion Ratio Lower Upper
168 100
99 54.8 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 51.188 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

Tgt Ion: 65 Resp: 169923
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021856.D

Acq: 11 Apr 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

WC-13-VOC

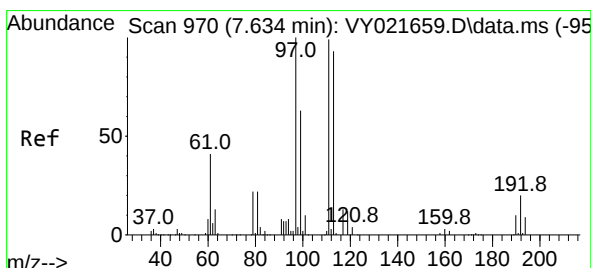
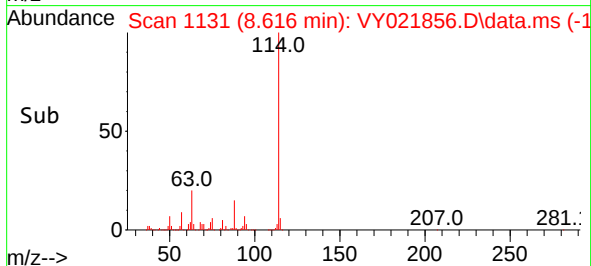
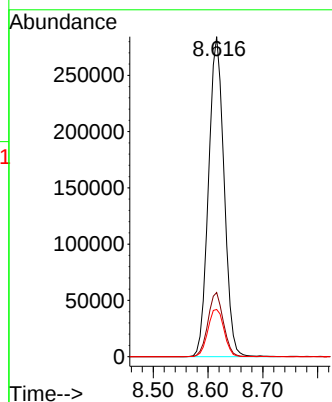
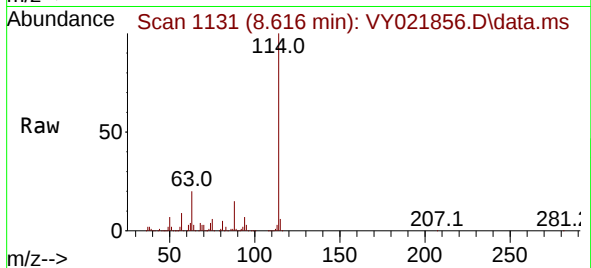
Tgt Ion:114 Resp: 555925

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.617 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021856.D

Acq: 11 Apr 2025 13:57

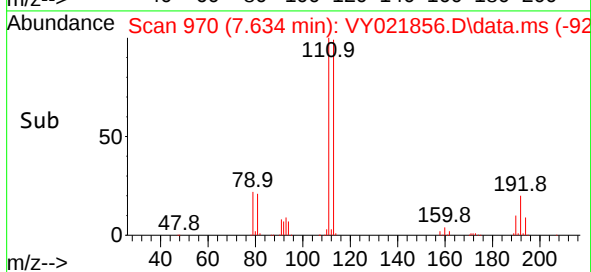
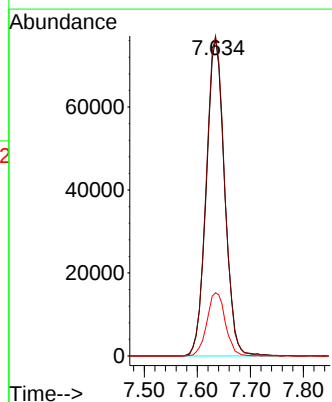
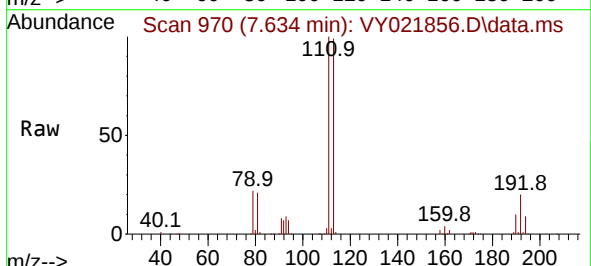
Tgt Ion:113 Resp: 182536

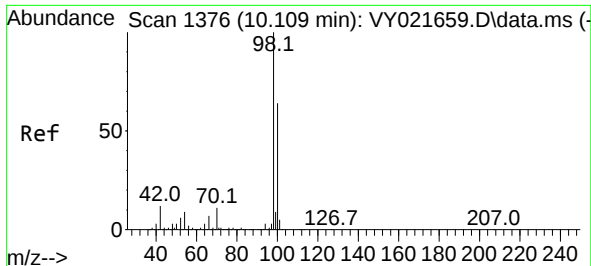
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 20.2 16.2 24.4

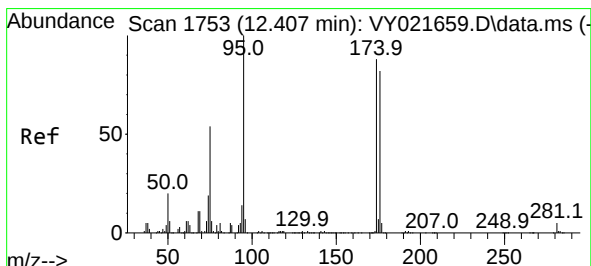
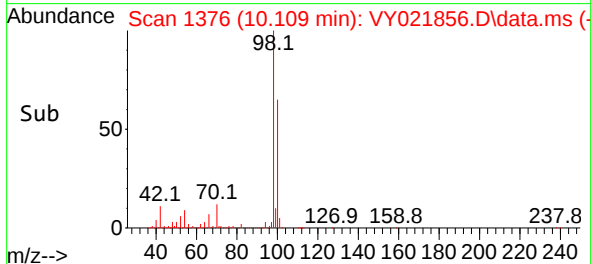
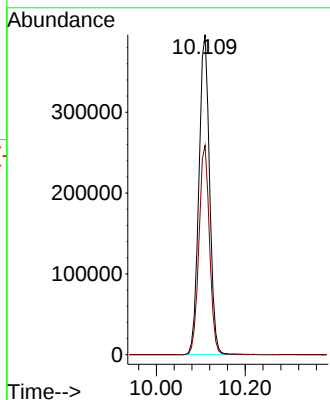
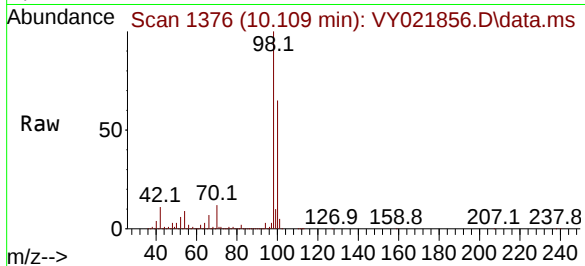




#50
Toluene-d8
Concen: 48.280 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

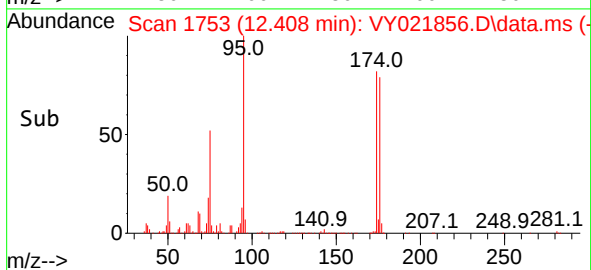
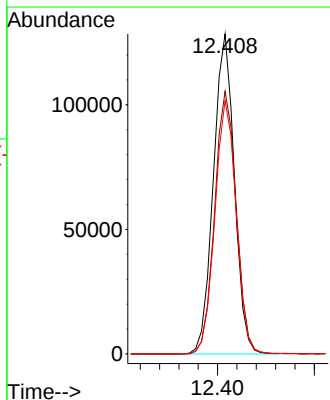
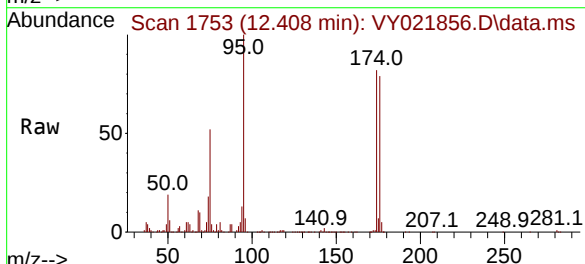
Instrument :
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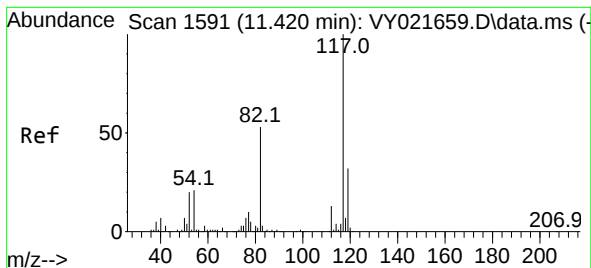
Tgt Ion: 98 Resp: 662357
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.594 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

Tgt Ion: 95 Resp: 193016
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.8
176 80.9 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021856.D

Acq: 11 Apr 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

WC-13-VOC

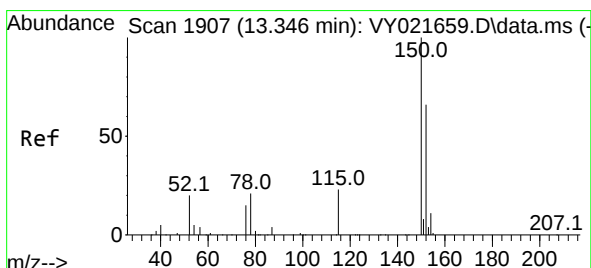
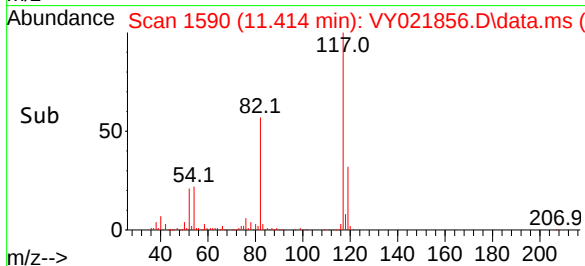
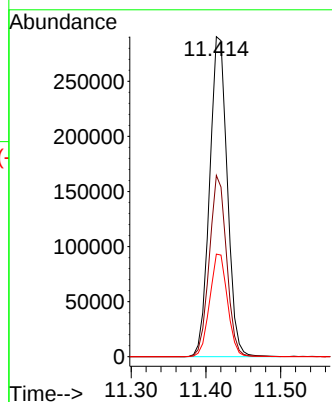
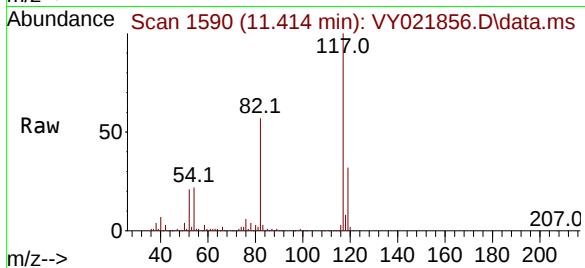
Tgt Ion:117 Resp: 476676

Ion Ratio Lower Upper

117 100

82 56.6 42.8 64.2

119 32.0 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021856.D

Acq: 11 Apr 2025 13:57

Tgt Ion:152 Resp: 181699

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.3 0.0 348.4

