

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021925.D
 Acq On : 18 Apr 2025 13:00
 Operator : SY/MD
 Sample : Q1832-02
 Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-01

Quant Time: Apr 19 01:12:03 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	222241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	420753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	357381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	130855	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125729	52.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.420%
35) Dibromofluoromethane	7.634	113	140569	51.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.000%
50) Toluene-d8	10.109	98	504431	48.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.160%
62) 4-Bromofluorobenzene	12.408	95	136482	38.860	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.720%

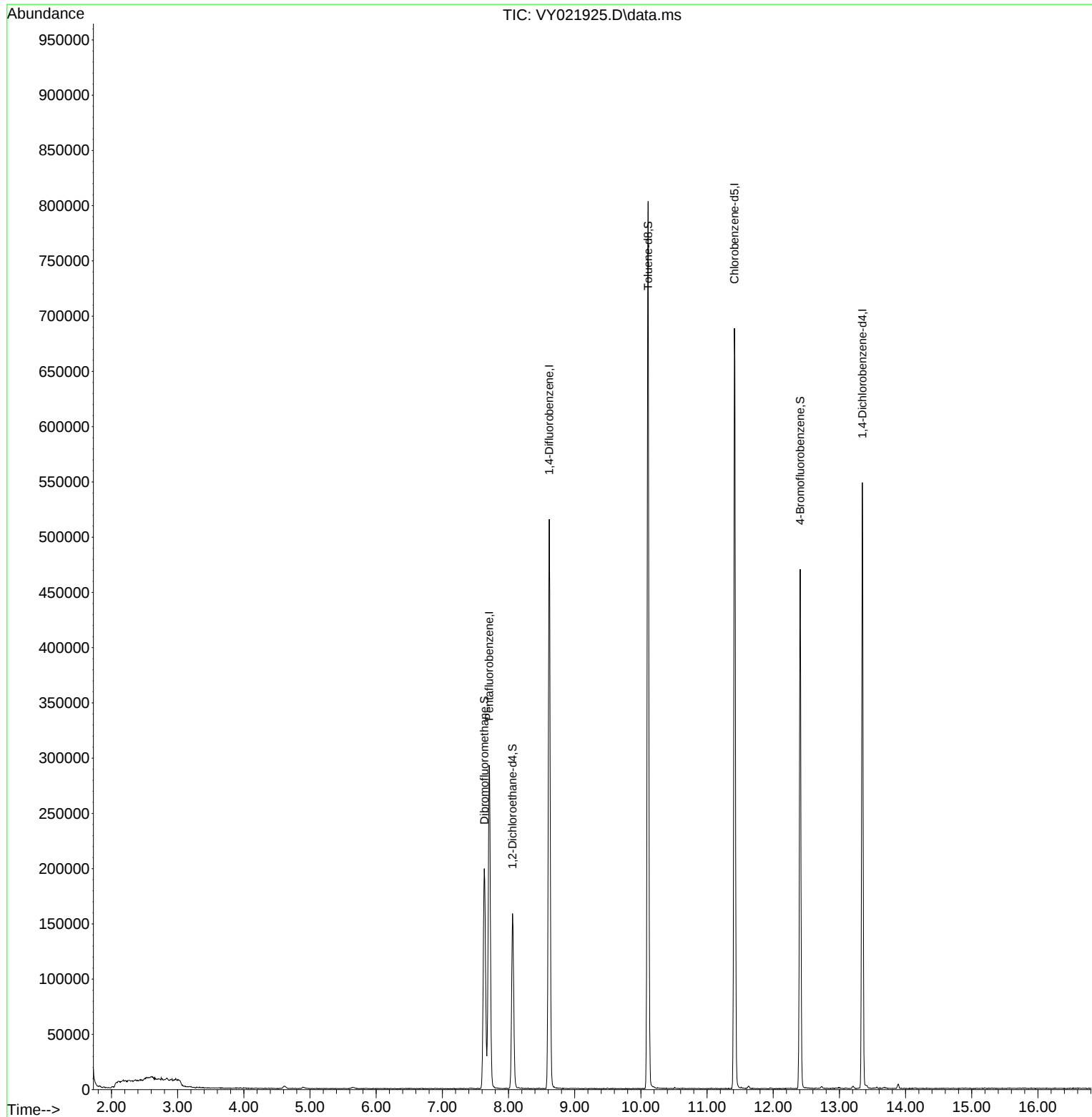
Target Compounds	Qvalue

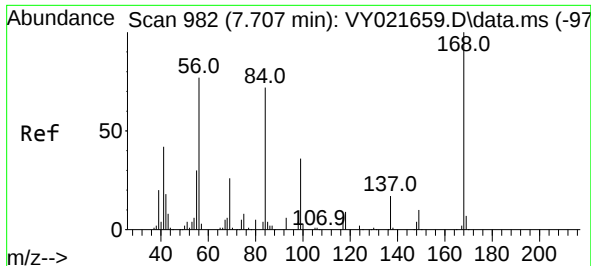
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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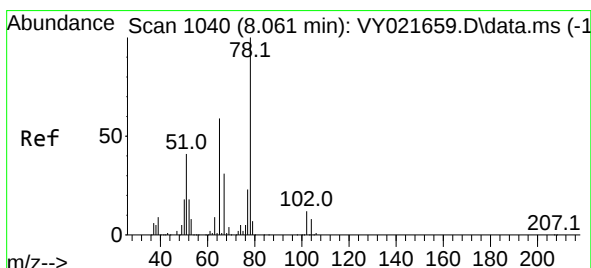
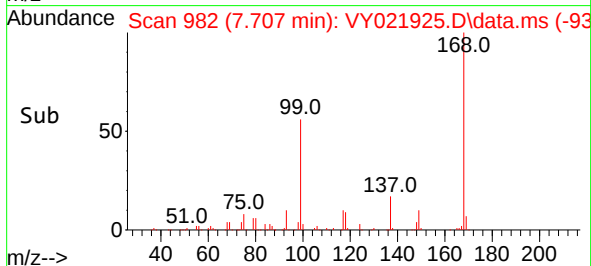
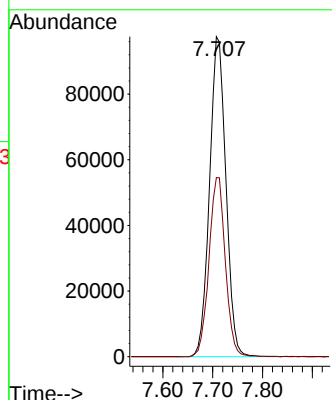
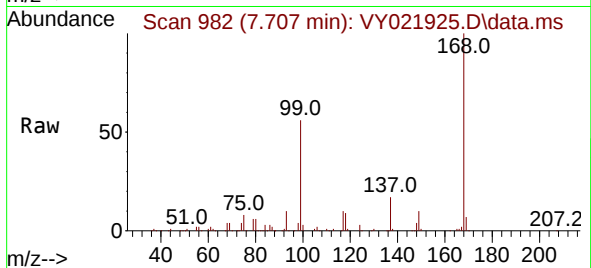




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

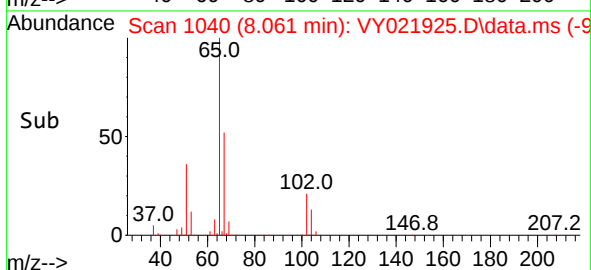
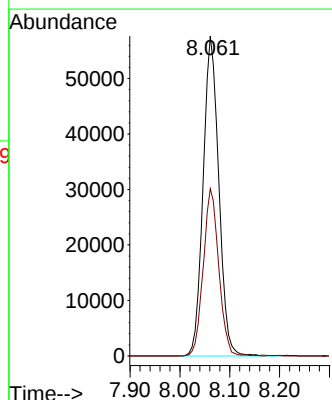
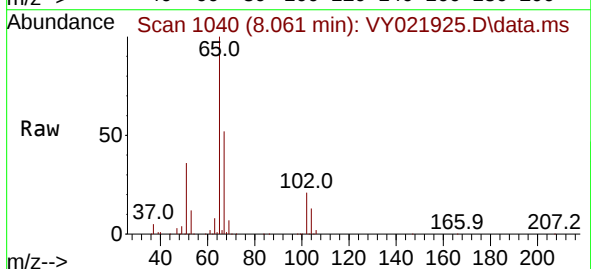
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-01

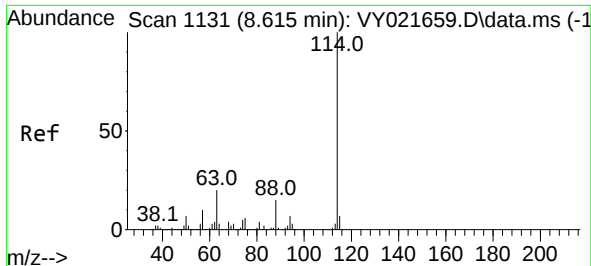
Tgt Ion:168 Resp: 222241
Ion Ratio Lower Upper
168 100
99 55.9 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 52.215 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 65 Resp: 125729
Ion Ratio Lower Upper
65 100
67 51.7 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: VY021925.D

Acq: 18 Apr 2025 13:00

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-01

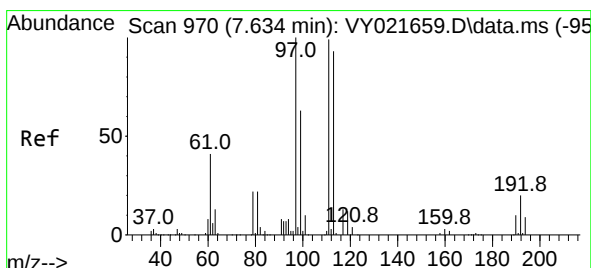
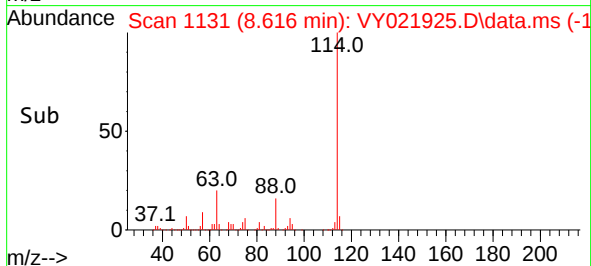
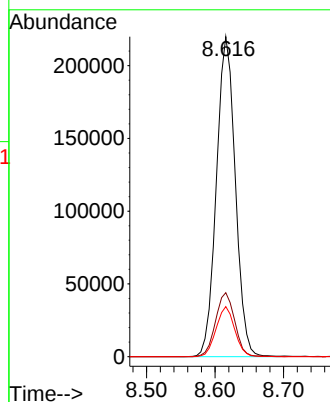
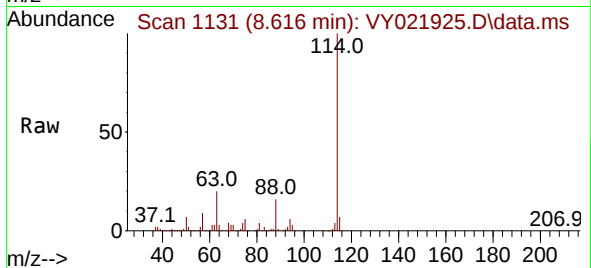
Tgt Ion:114 Resp: 420753

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 15.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.503 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021925.D

Acq: 18 Apr 2025 13:00

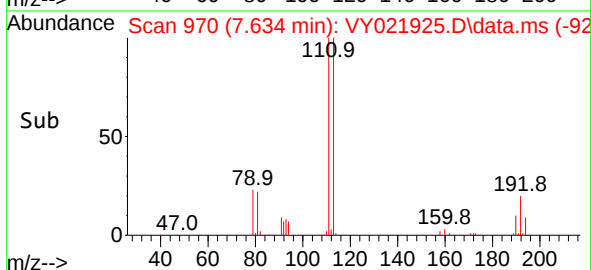
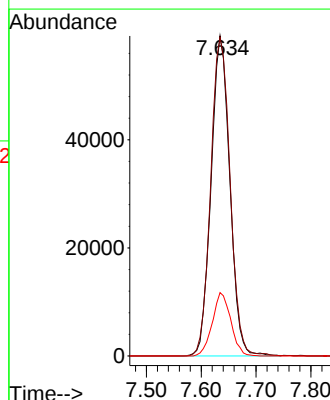
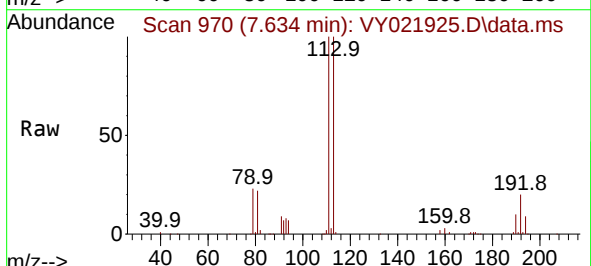
Tgt Ion:113 Resp: 140569

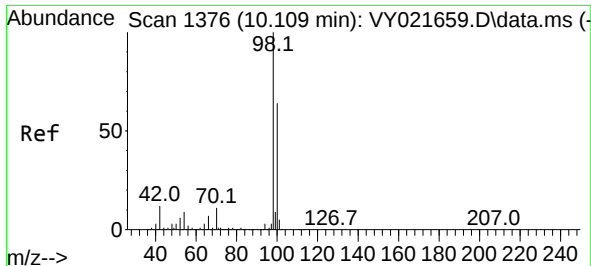
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 19.5 16.2 24.4

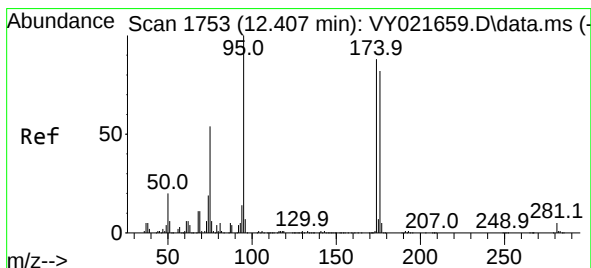
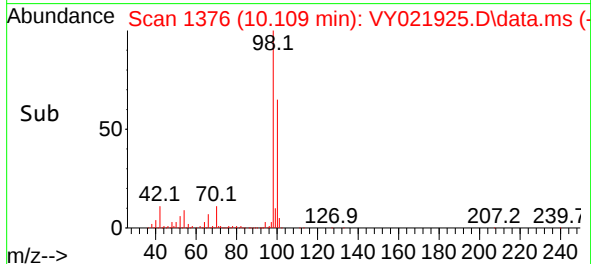
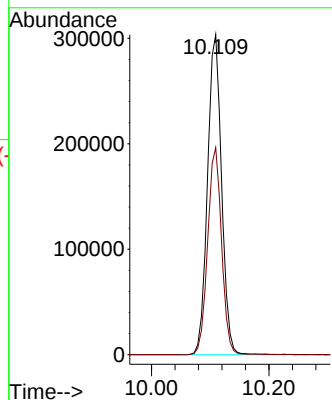
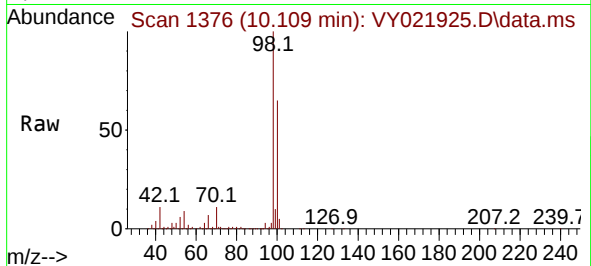




#50
Toluene-d8
Concen: 48.581 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

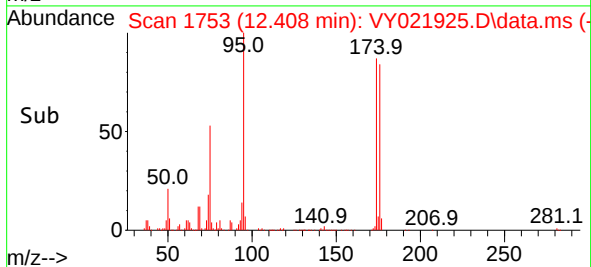
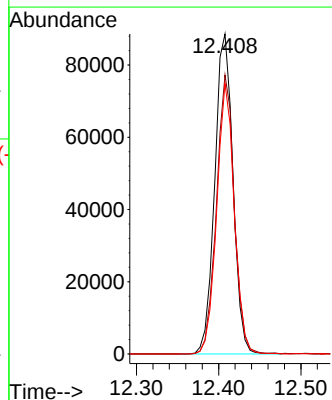
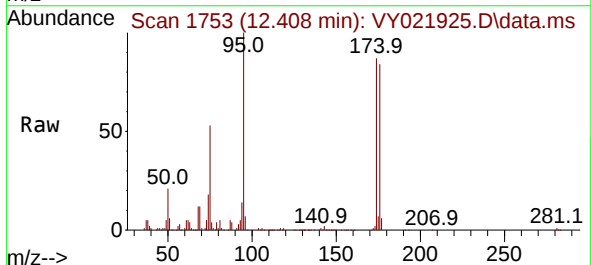
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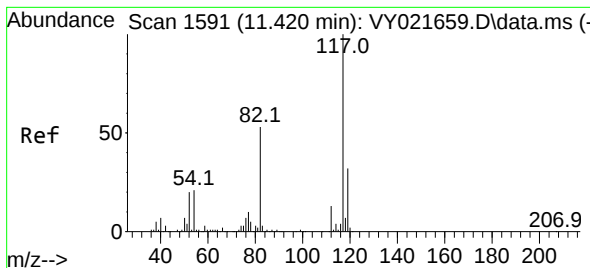
Tgt Ion: 98 Resp: 504431
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 38.860 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 95 Resp: 136482
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.8
176 81.2 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: VY021925.D

Acq: 18 Apr 2025 13:00

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-01

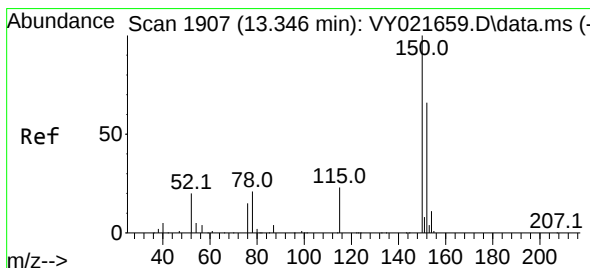
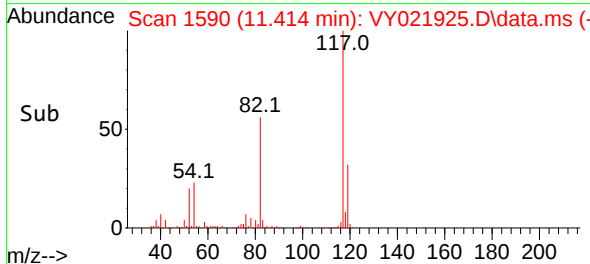
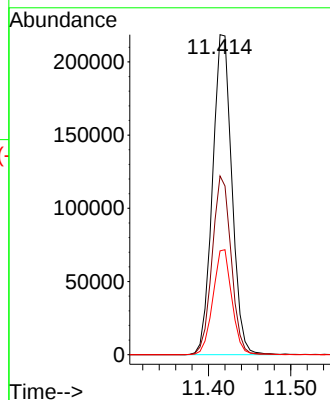
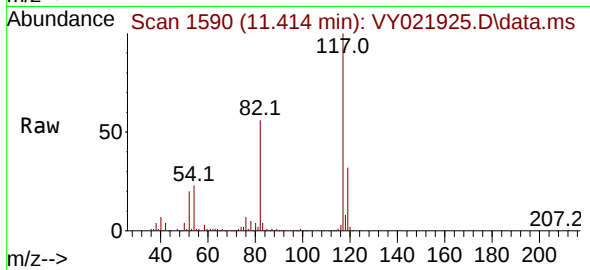
Tgt Ion:117 Resp: 357381

Ion Ratio Lower Upper

117 100

82 55.9 42.8 64.2

119 32.5 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: VY021925.D

Acq: 18 Apr 2025 13:00

Tgt Ion:152 Resp: 130855

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 155.7 0.0 348.4

