

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022476.D
 Acq On : 30 May 2025 14:18
 Operator : SY/MD
 Sample : Q2151-03
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: May 31 02:27:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	289056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	534669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	415087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144378	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162203	53.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.540%
35) Dibromofluoromethane	7.634	113	161134	51.461	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.920%
50) Toluene-d8	10.109	98	636881	49.895	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.780%
62) 4-Bromofluorobenzene	12.408	95	155914	40.381	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.760%

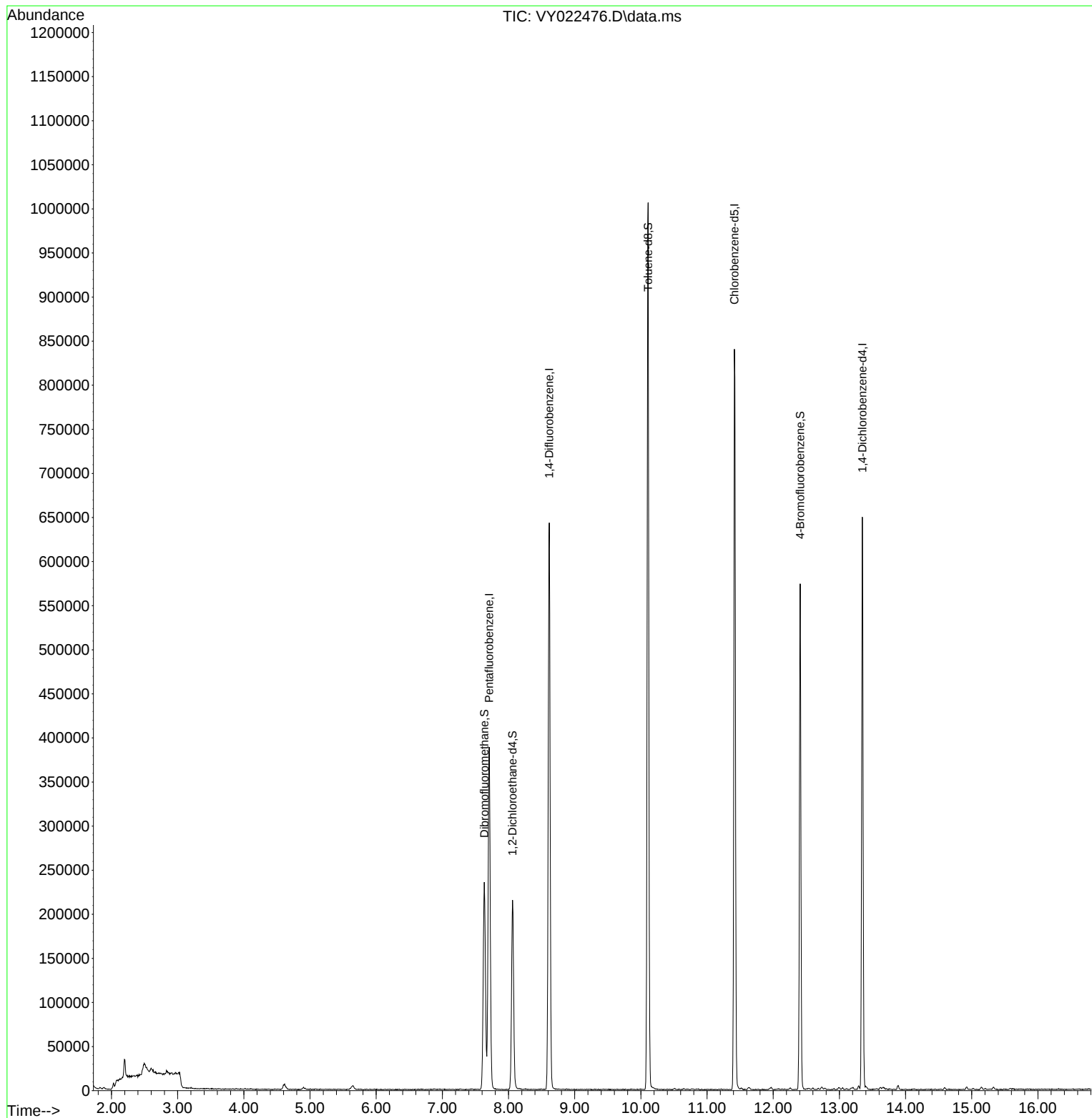
Target Compounds	Qvalue

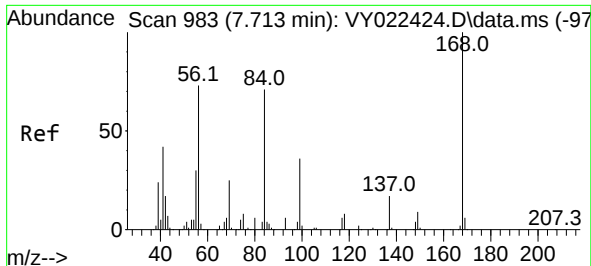
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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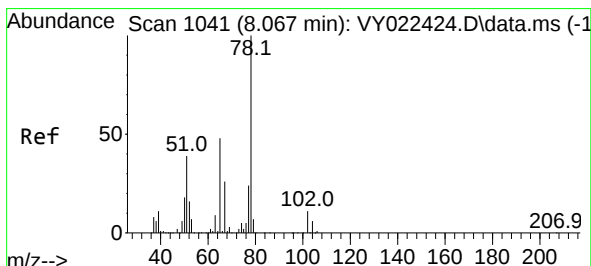
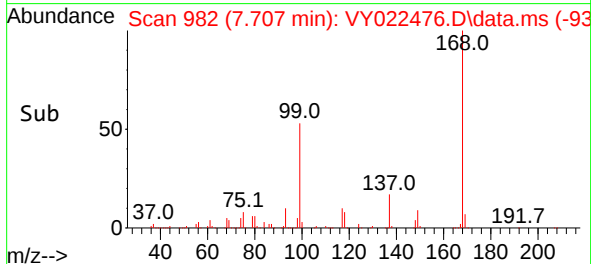
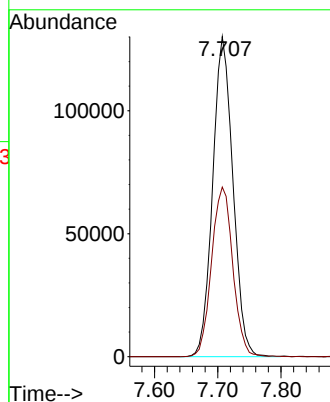
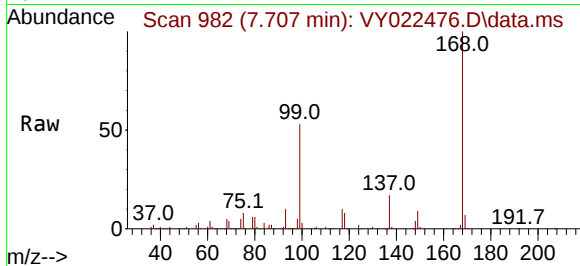




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022476.D
Acq: 30 May 2025 14:18

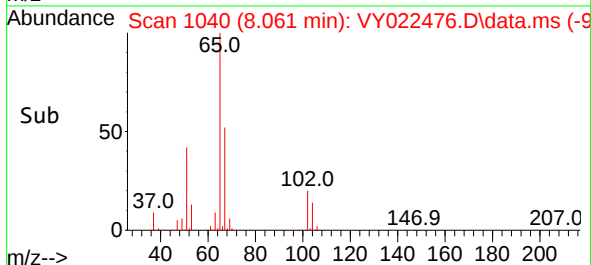
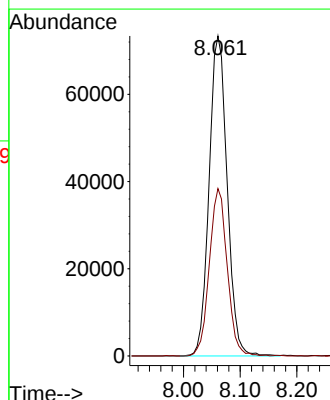
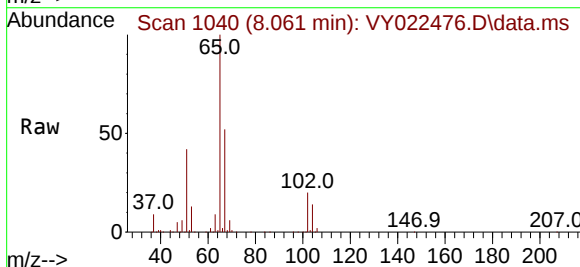
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

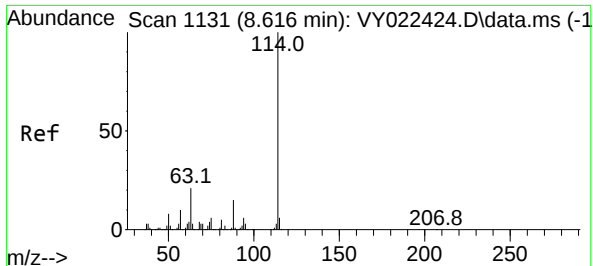
Tgt Ion:168 Resp: 289056
Ion Ratio Lower Upper
168 100
99 53.0 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 53.275 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022476.D
Acq: 30 May 2025 14:18

Tgt Ion: 65 Resp: 162203
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

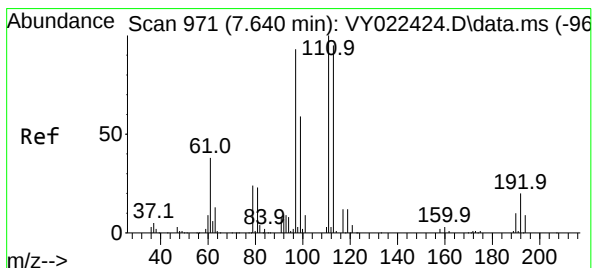
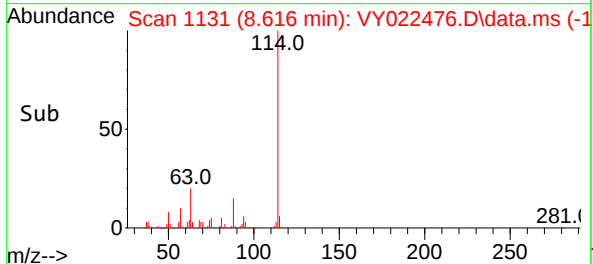
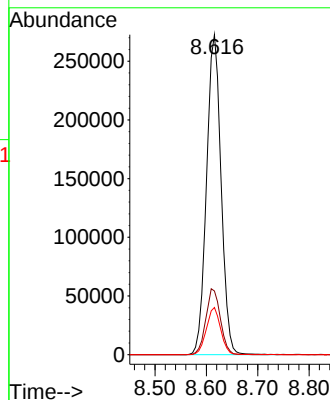
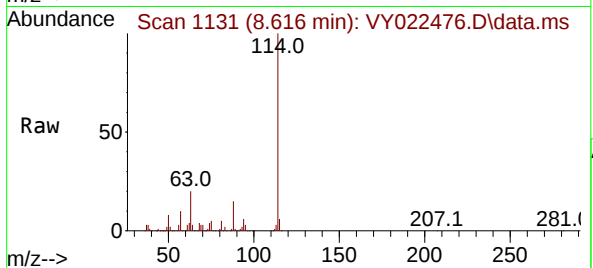
Tgt Ion:114 Resp: 534669

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.461 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

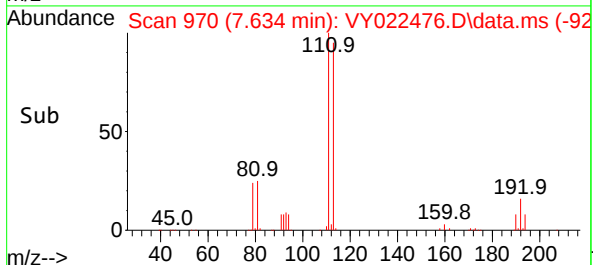
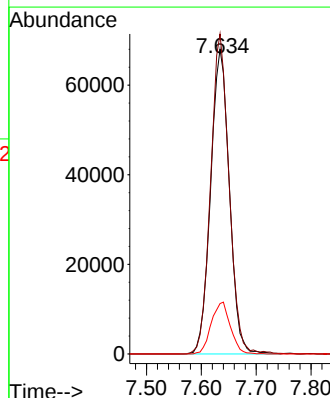
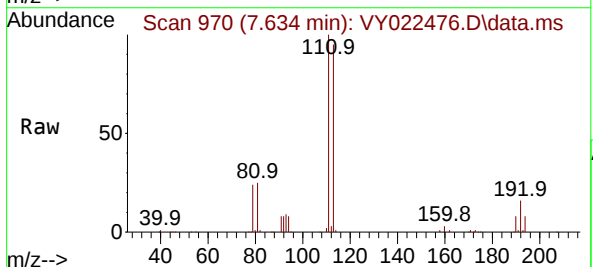
Tgt Ion:113 Resp: 161134

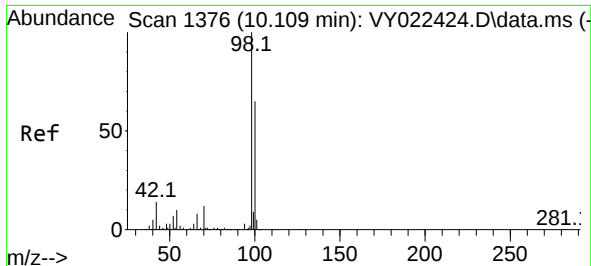
Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 17.4 15.2 22.8

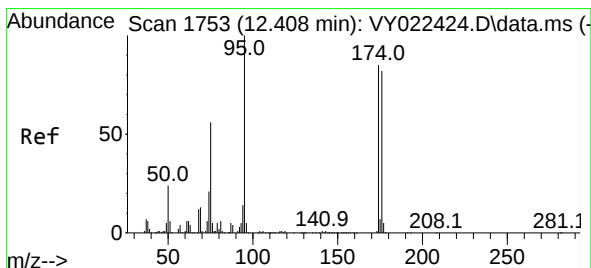
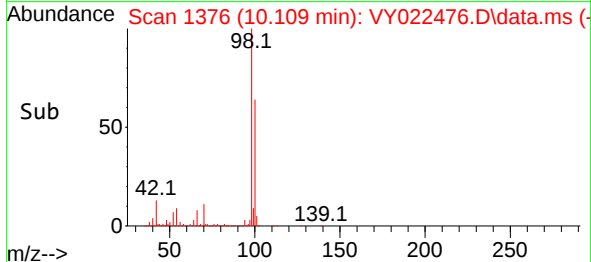
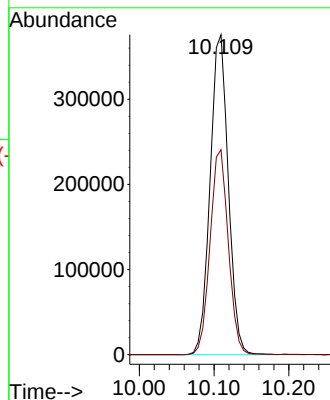
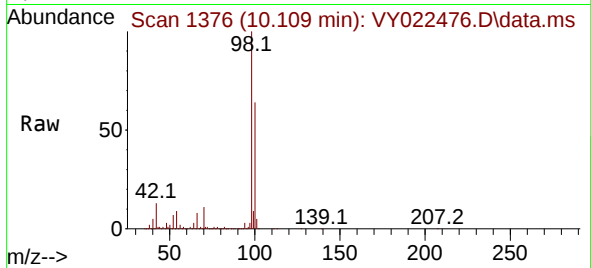




#50
Toluene-d8
Concen: 49.895 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022476.D
Acq: 30 May 2025 14:18

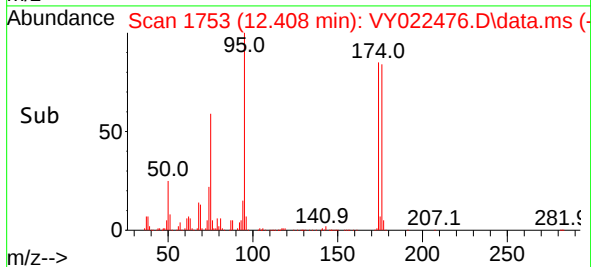
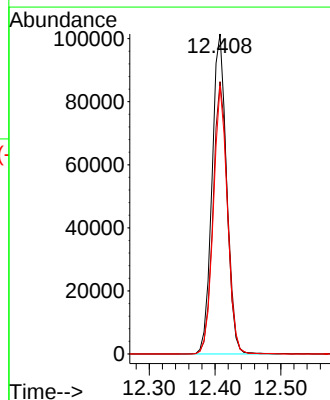
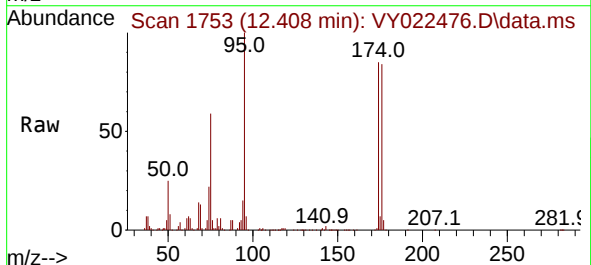
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

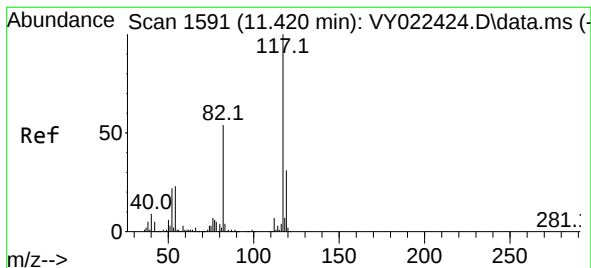
Tgt Ion: 98 Resp: 636881
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.381 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022476.D
Acq: 30 May 2025 14:18

Tgt Ion: 95 Resp: 155914
Ion Ratio Lower Upper
95 100
174 85.4 0.0 171.6
176 80.8 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

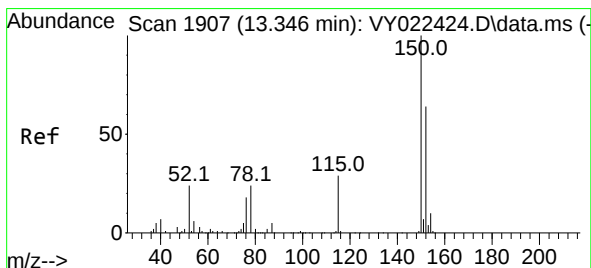
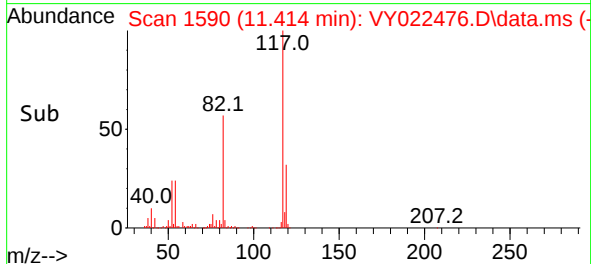
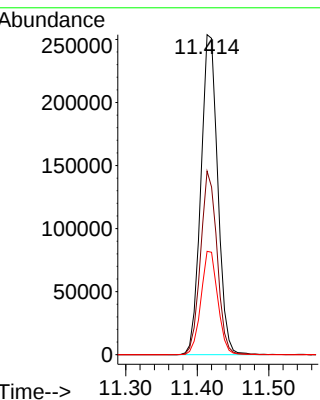
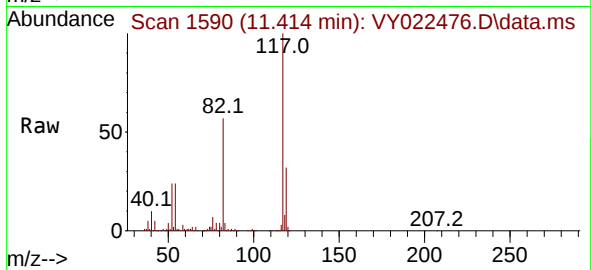
Tgt Ion:117 Resp: 415087

Ion Ratio Lower Upper

117 100

82 57.4 43.3 64.9

119 32.3 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

Tgt Ion:152 Resp: 144378

Ion Ratio Lower Upper

152 100

115 58.7 28.4 85.3

150 159.2 0.0 345.8

