

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040225\
 Data File : VY021761.D
 Acq On : 02 Apr 2025 15:42
 Operator : SY/MD
 Sample : Q1694-03
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-18-VOC

Quant Time: Apr 03 03:37:02 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	241104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	471380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	454745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187736	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158872	60.817	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.640%
35) Dibromofluoromethane	7.634	113	163080	53.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.660%
50) Toluene-d8	10.103	98	585810	50.359	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.720%
62) 4-Bromofluorobenzene	12.408	95	193244	49.113	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.220%

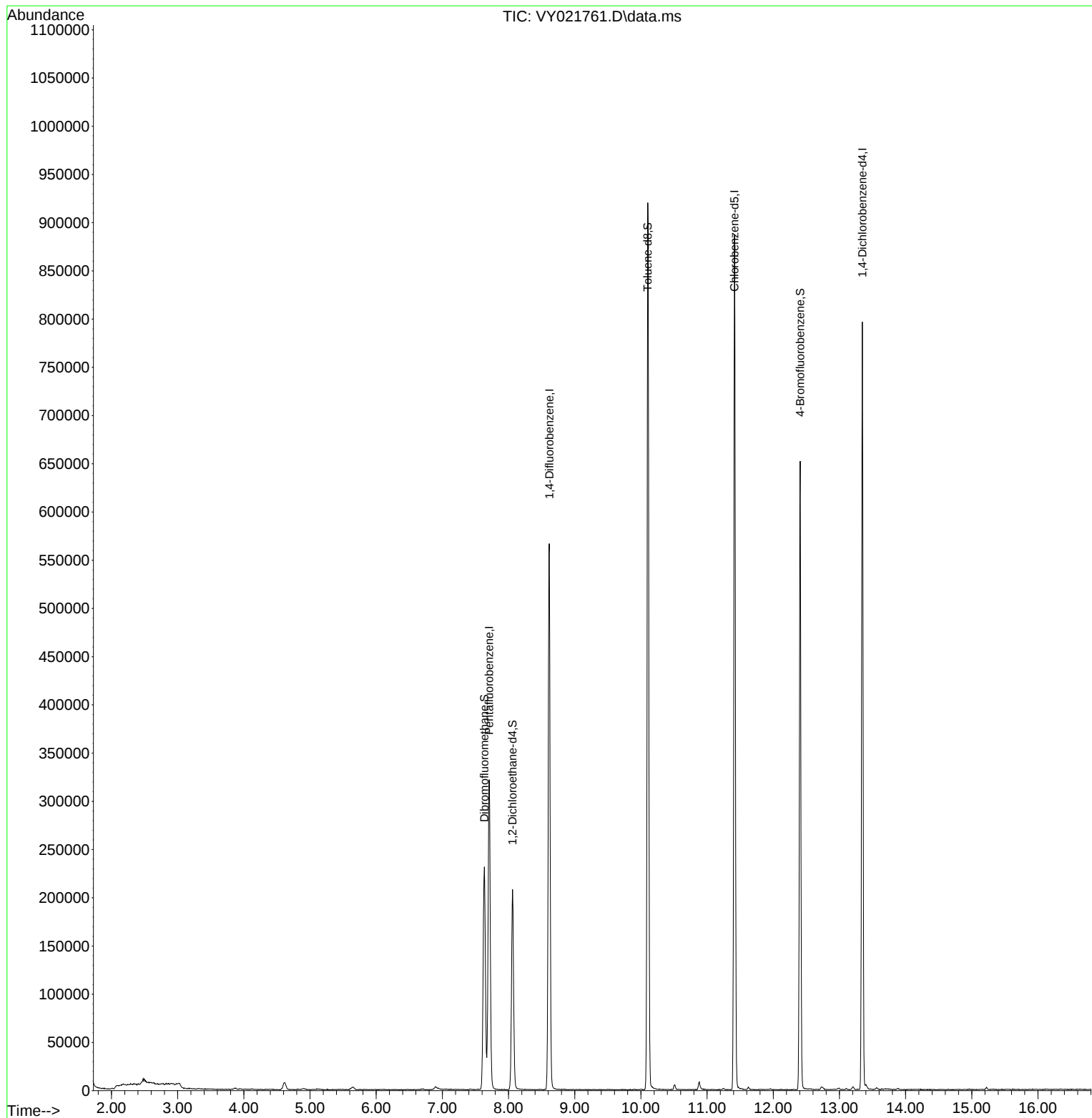
Target Compounds	Qvalue

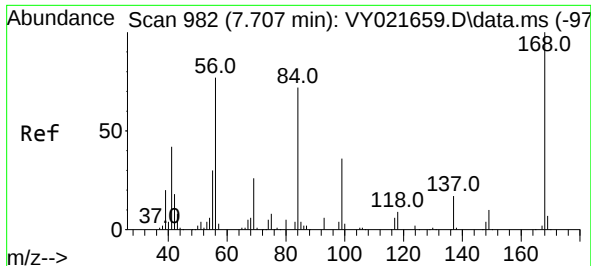
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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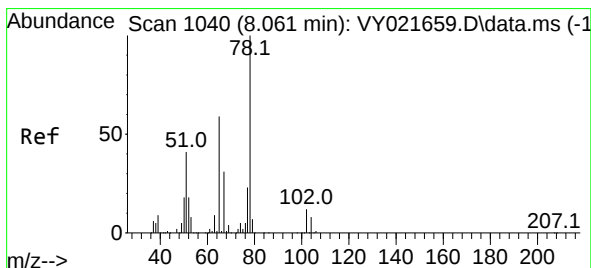
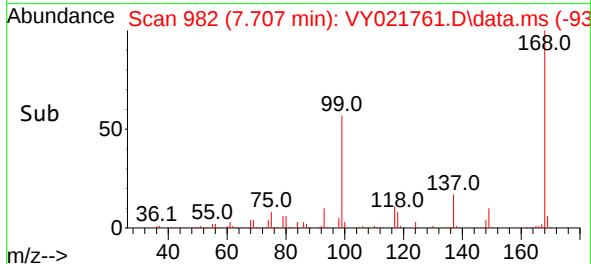
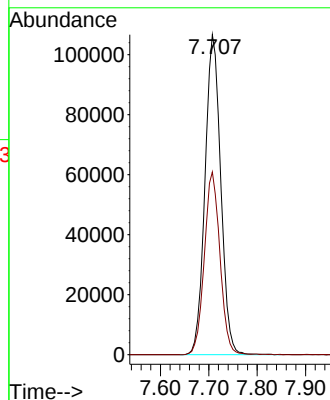
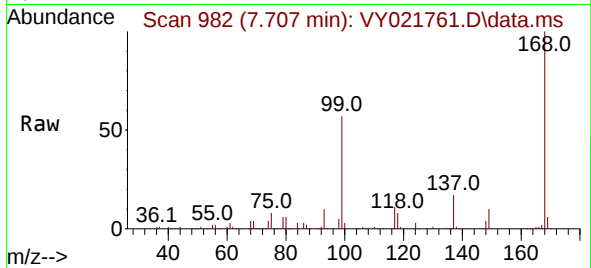




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

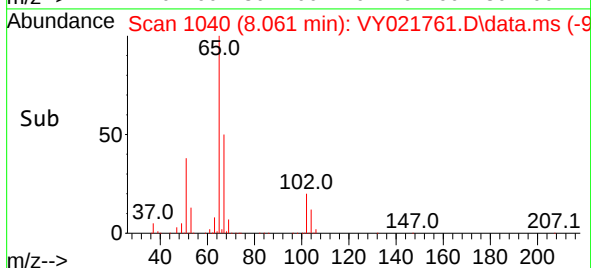
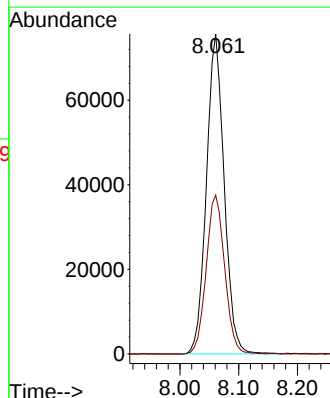
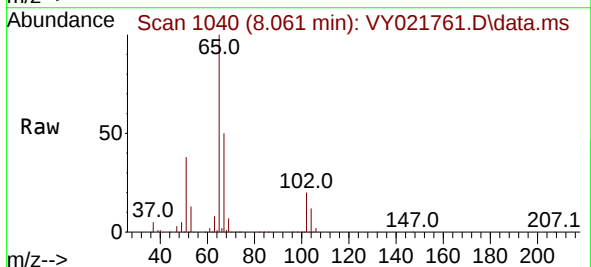
Instrument :
MSVOA_Y
ClientSampleId :
TP-18-VOC

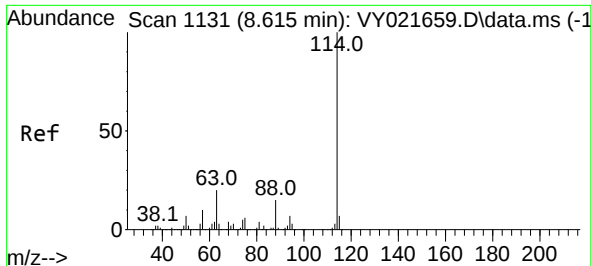
Tgt Ion:168 Resp: 241104
Ion Ratio Lower Upper
168 100
99 57.1 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 60.817 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

Tgt Ion: 65 Resp: 158872
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: VY021761.D

Acq: 02 Apr 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-18-VOC

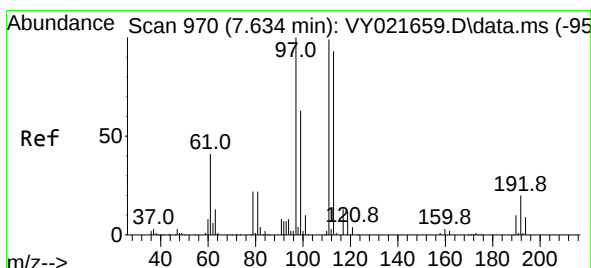
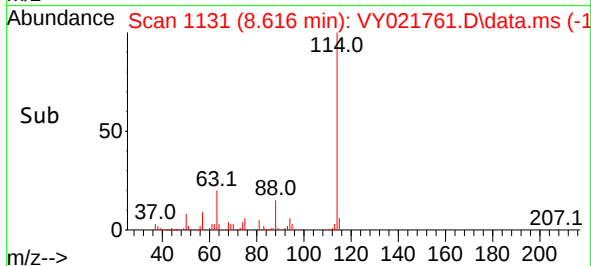
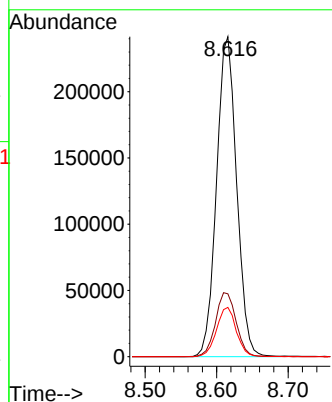
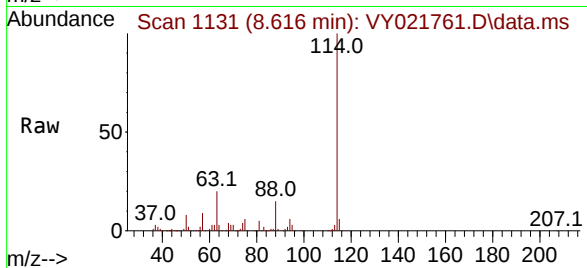
Tgt Ion:114 Resp: 471380

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 53.333 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021761.D

Acq: 02 Apr 2025 15:42

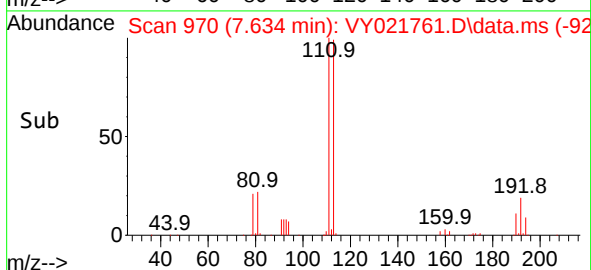
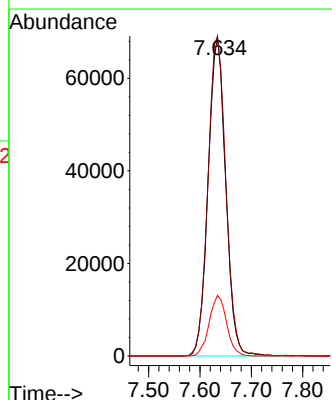
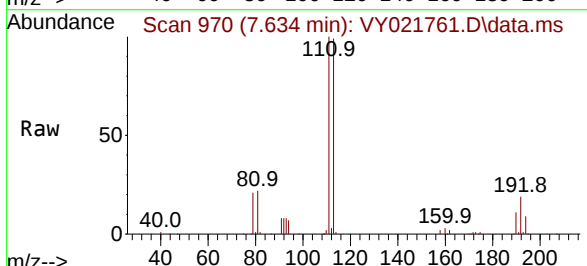
Tgt Ion:113 Resp: 163080

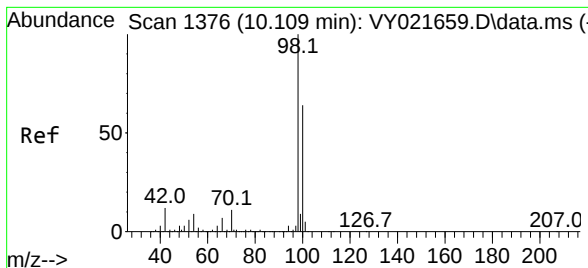
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 18.9 16.2 24.4

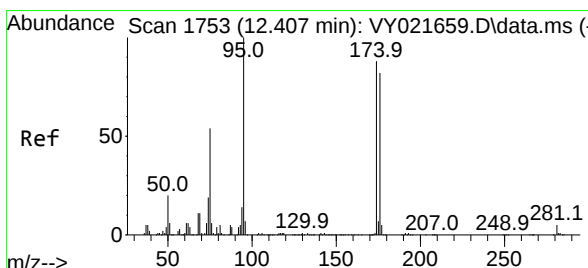
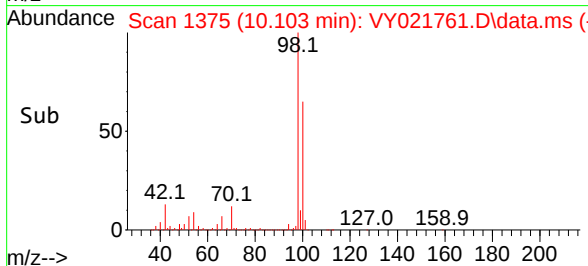
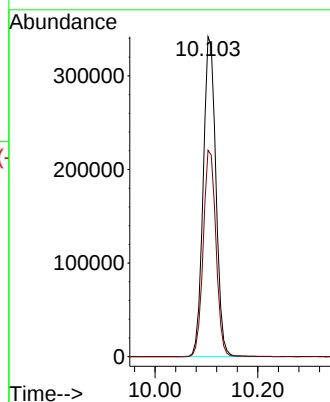
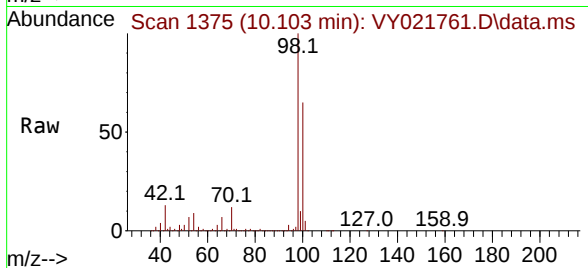




#50
Toluene-d8
Concen: 50.359 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

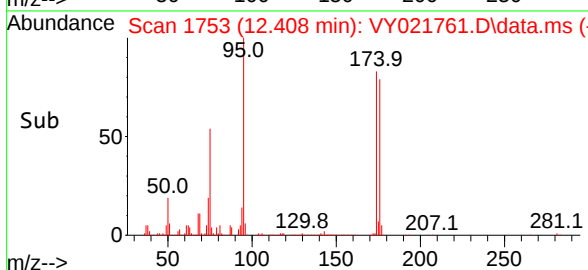
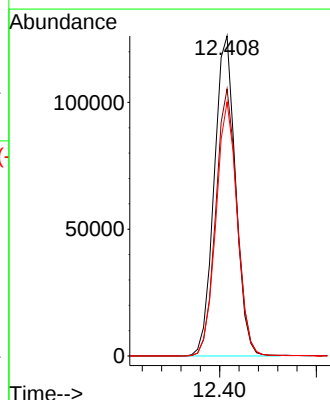
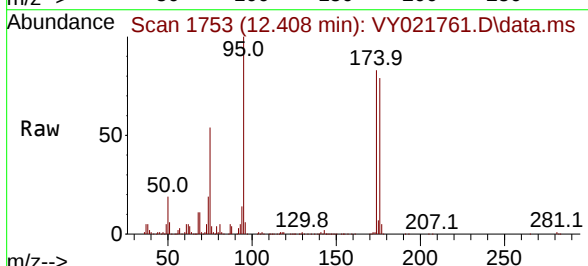
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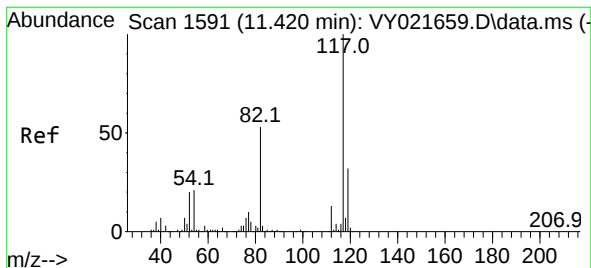
Tgt Ion: 98 Resp: 585810
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.113 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021761.D
Acq: 02 Apr 2025 15:42

Tgt Ion: 95 Resp: 193244
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.8
176 79.1 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: VY021761.D

Acq: 02 Apr 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-18-VOC

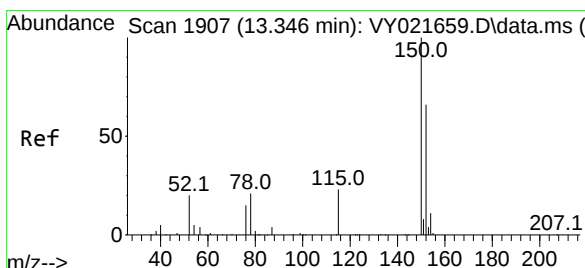
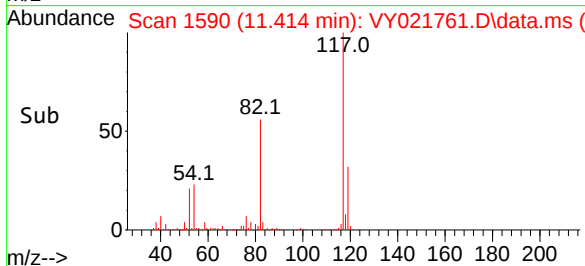
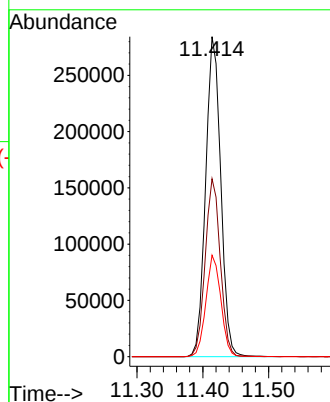
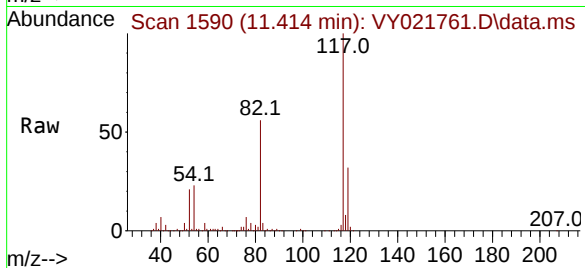
Tgt Ion:117 Resp: 454745

Ion Ratio Lower Upper

117 100

82 55.6 42.8 64.2

119 31.7 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: VY021761.D

Acq: 02 Apr 2025 15:42

Tgt Ion:152 Resp: 187736

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 158.7 0.0 348.4

