

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021814.D
 Acq On : 09 Apr 2025 13:17
 Operator : SY/MD
 Sample : Q1745-11
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IB-6.5-VOC

Quant Time: Apr 10 01:42:00 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	7.713	168	218744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	423273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	369710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	140349	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	149989	63.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.580%
35) Dibromofluoromethane	7.634	113	149091	54.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.600%
50) Toluene-d8	10.109	98	516391	49.437	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.408	95	144114	40.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.580%

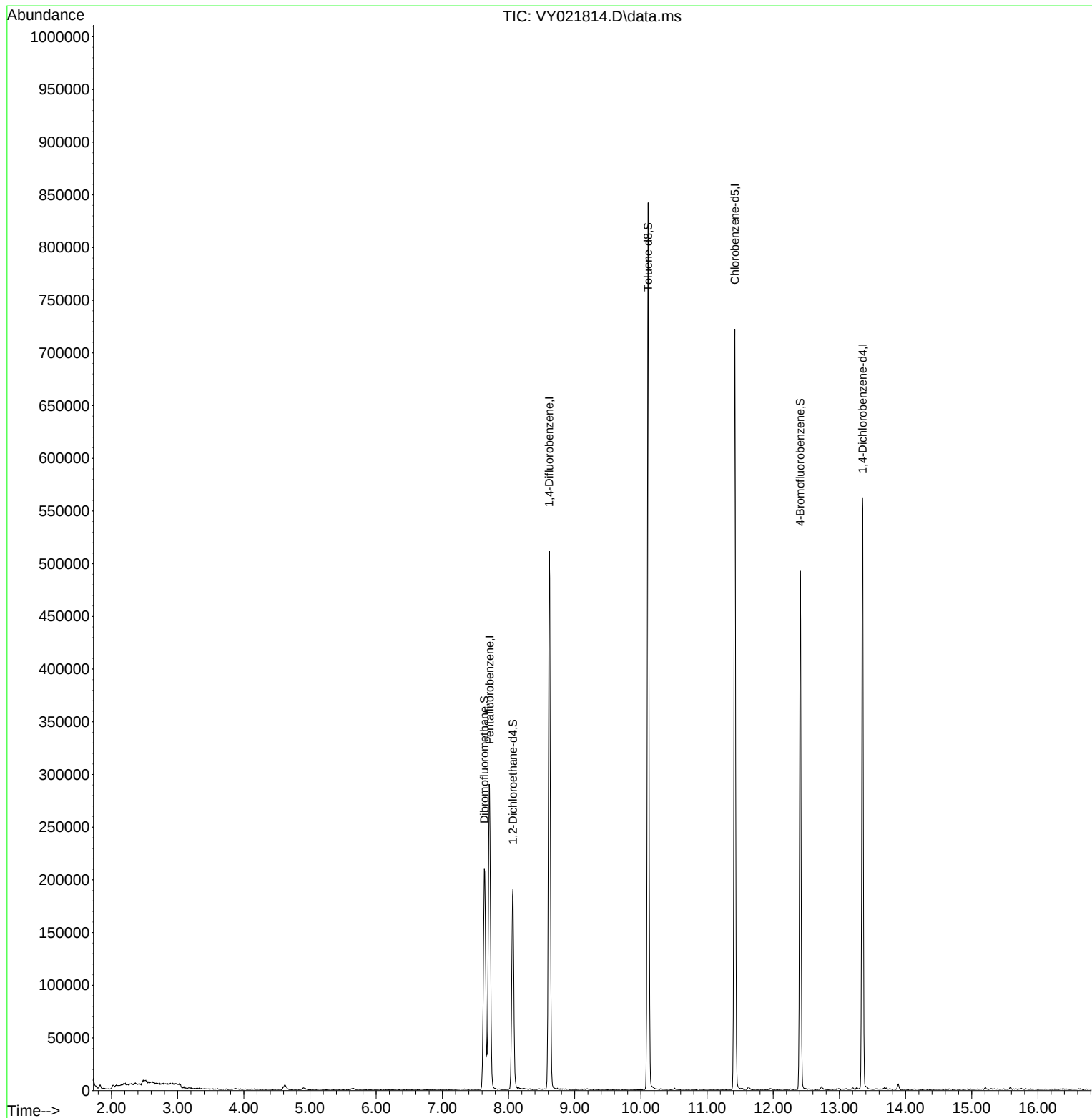
Target Compounds	Qvalue

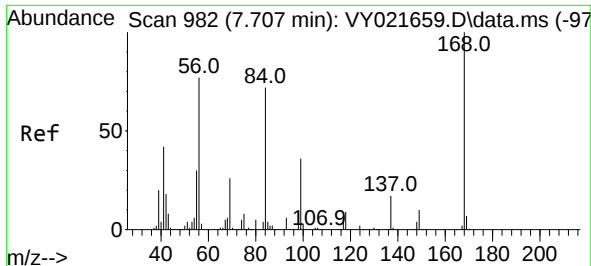
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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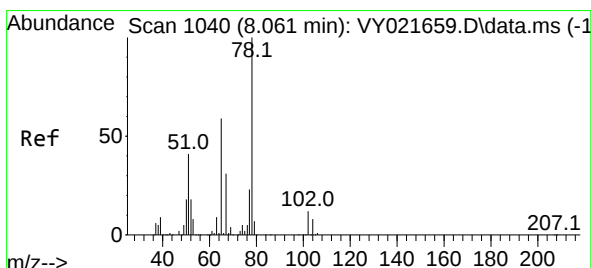
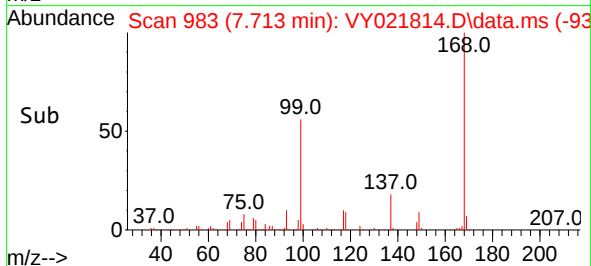
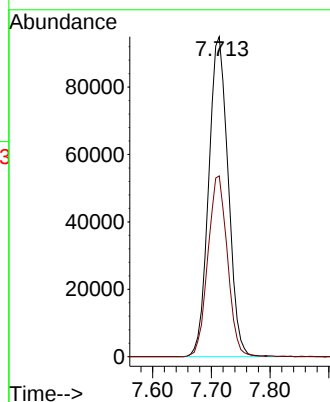
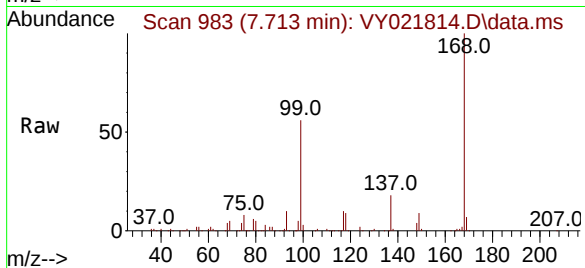




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

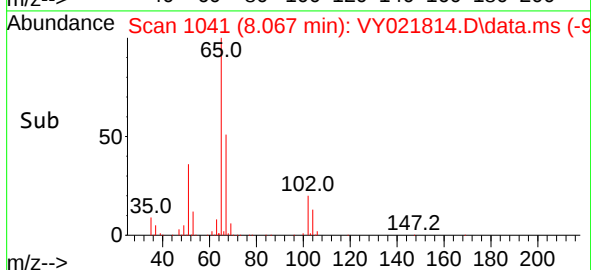
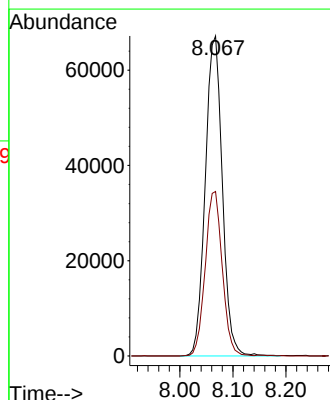
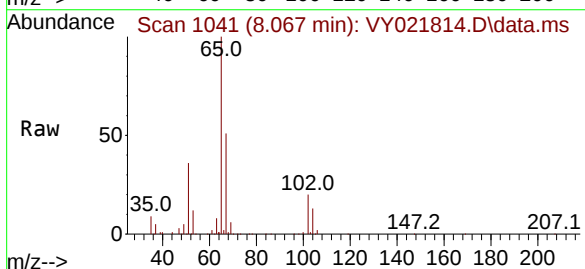
Instrument :
MSVOA_Y
ClientSampleId :
IB-6.5-VOC

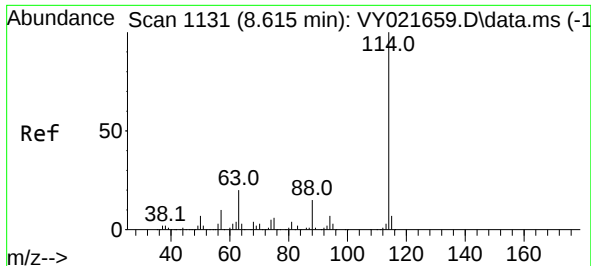
Tgt Ion:168 Resp: 218744
Ion Ratio Lower Upper
168 100
99 56.5 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 63.286 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

Tgt Ion: 65 Resp: 149989
Ion Ratio Lower Upper
65 100
67 51.3 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: VY021814.D

Acq: 09 Apr 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

IB-6.5-VOC

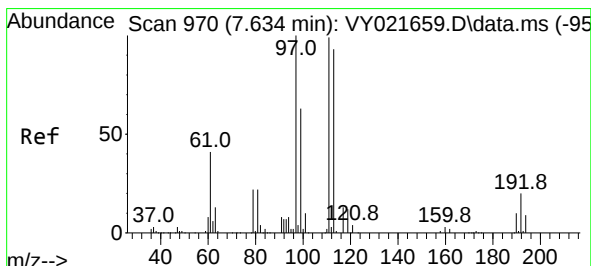
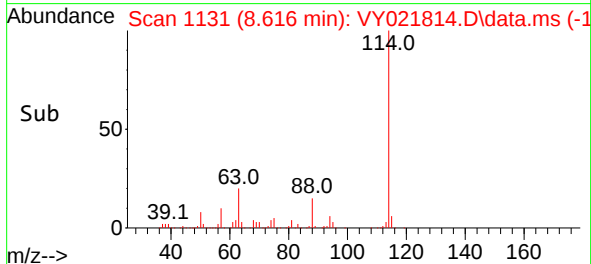
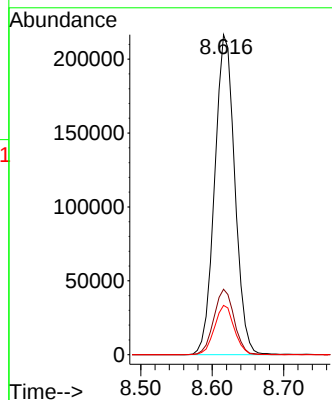
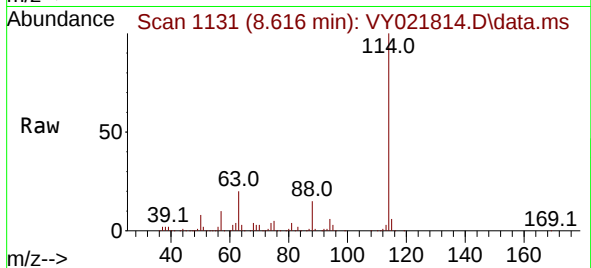
Tgt Ion:114 Resp: 423273

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 54.300 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021814.D

Acq: 09 Apr 2025 13:17

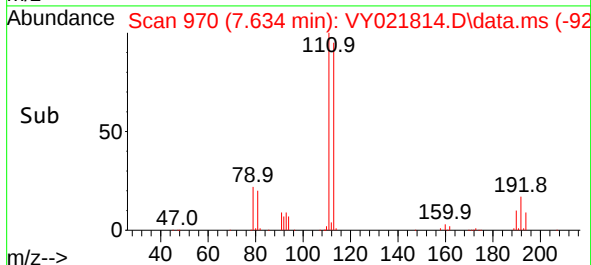
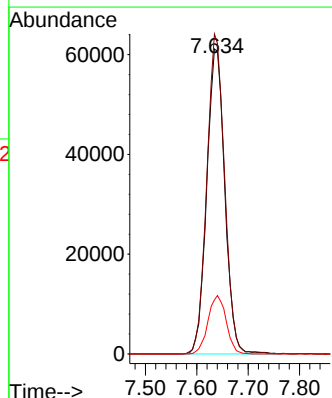
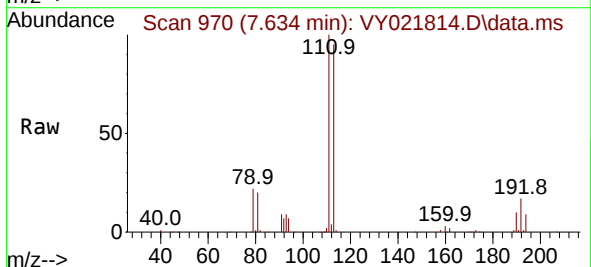
Tgt Ion:113 Resp: 149091

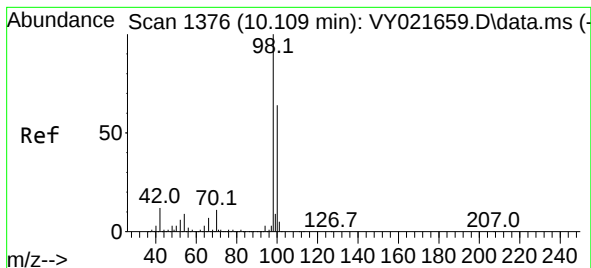
Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 19.3 16.2 24.4





#50

Toluene-d8

Concen: 49.437 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021814.D

Acq: 09 Apr 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

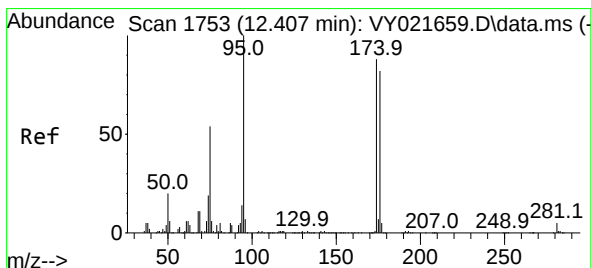
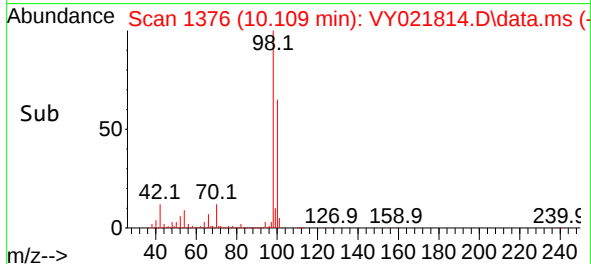
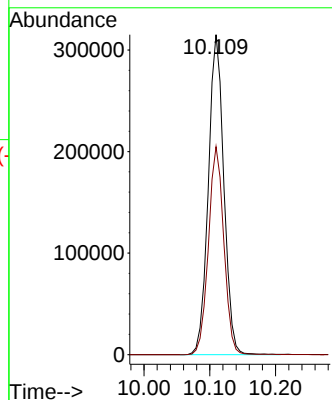
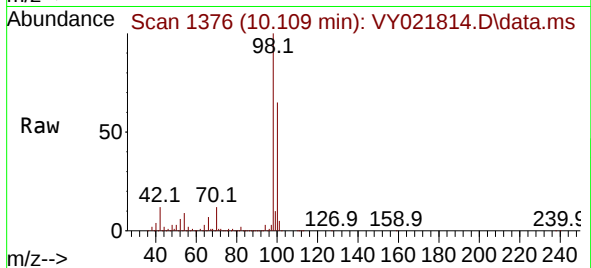
IB-6.5-VOC

Tgt Ion: 98 Resp: 516391

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 40.789 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021814.D

Acq: 09 Apr 2025 13:17

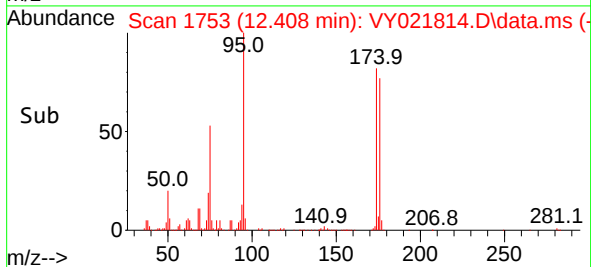
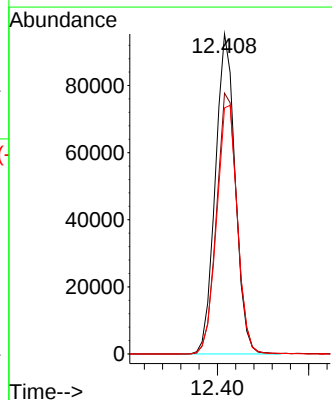
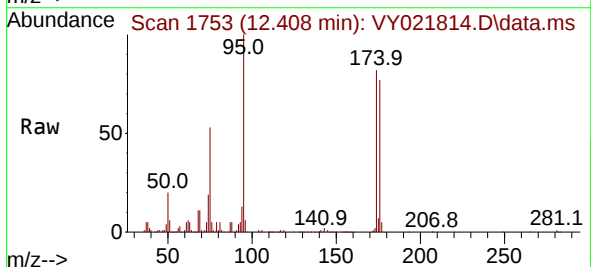
Tgt Ion: 95 Resp: 144114

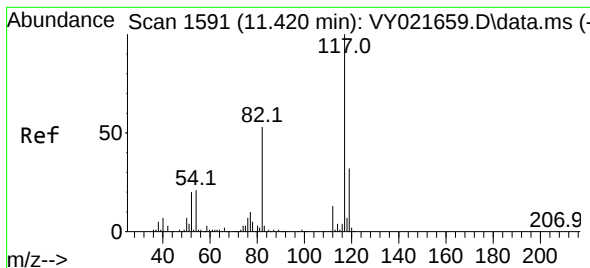
Ion Ratio Lower Upper

95 100

174 83.7 0.0 170.8

176 81.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021814.D

Acq: 09 Apr 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

IB-6.5-VOC

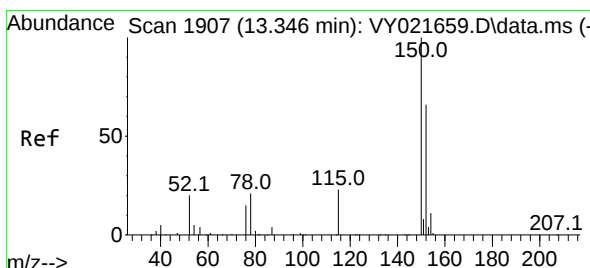
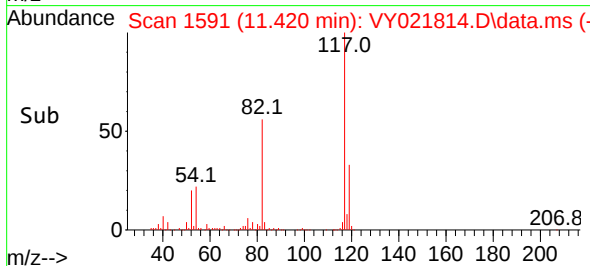
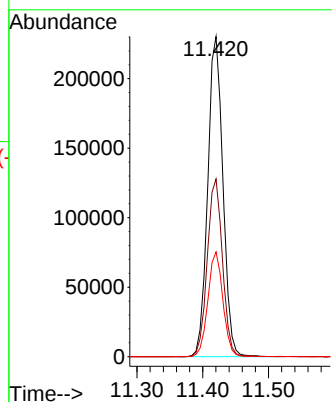
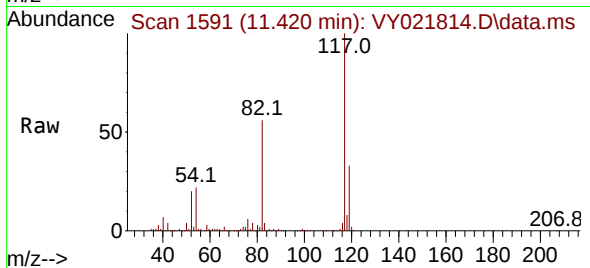
Tgt Ion:117 Resp: 369710

Ion Ratio Lower Upper

117 100

82 55.6 42.8 64.2

119 32.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021814.D

Acq: 09 Apr 2025 13:17

Tgt Ion:152 Resp: 140349

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 155.3 0.0 348.4

