

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022189.D
 Acq On : 07 May 2025 13:13
 Operator : SY/MD
 Sample : Q1968-07
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-M-VOC

Quant Time: May 08 01:42:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	214612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	421696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	384242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139865	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119255	60.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.320%
35) Dibromofluoromethane	7.628	113	145961	52.392	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.780%
50) Toluene-d8	10.109	98	521175	49.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.240%
62) 4-Bromofluorobenzene	12.408	95	143669	40.633	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.260%

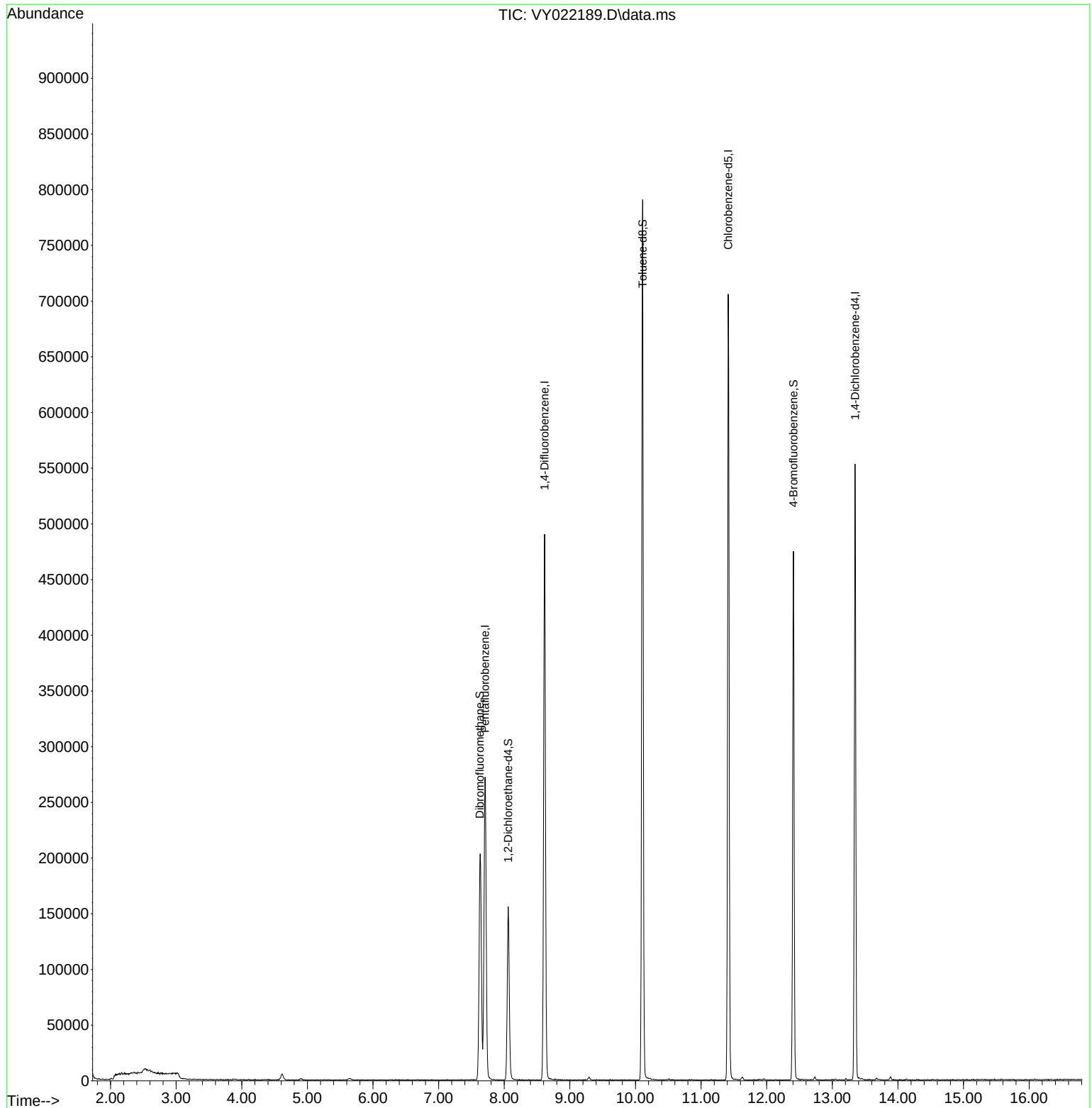
Target Compounds	Qvalue

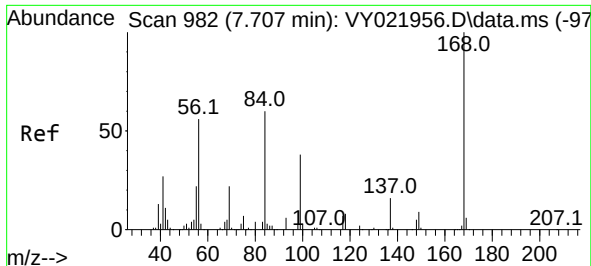
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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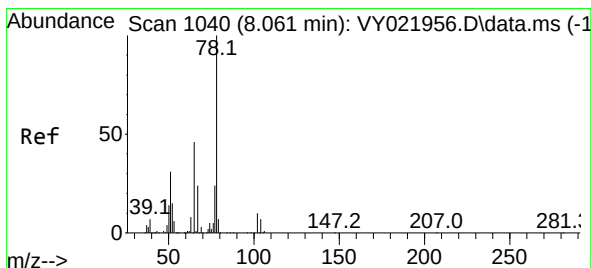
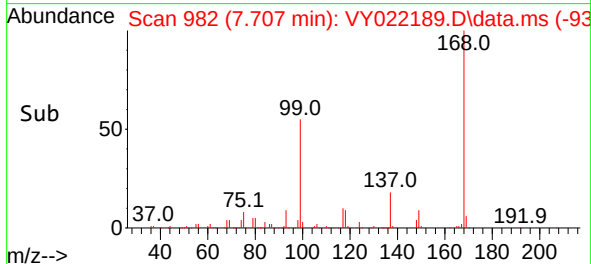
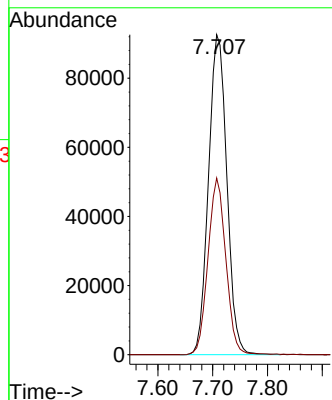
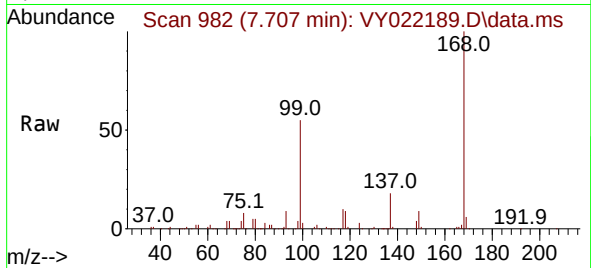




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

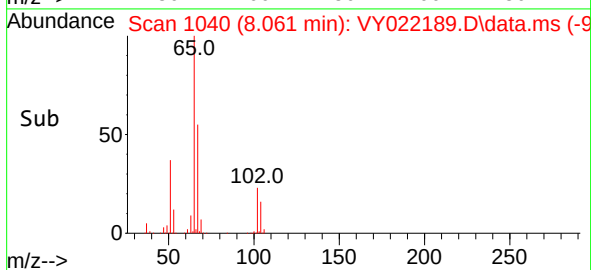
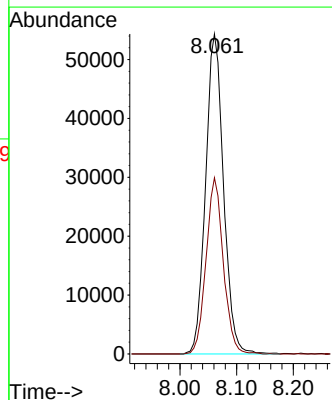
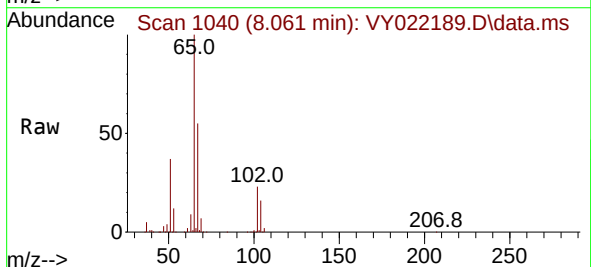
Instrument :
MSVOA_Y
ClientSampleId :
MH-M-VOC

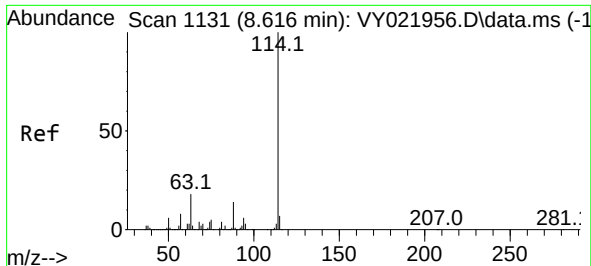
Tgt Ion:168 Resp: 214612
Ion Ratio Lower Upper
168 100
99 55.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 60.159 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

Tgt Ion: 65 Resp: 119255
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022189.D

Acq: 07 May 2025 13:13

Instrument :

MSVOA_Y

ClientSampleId :

MH-M-VOC

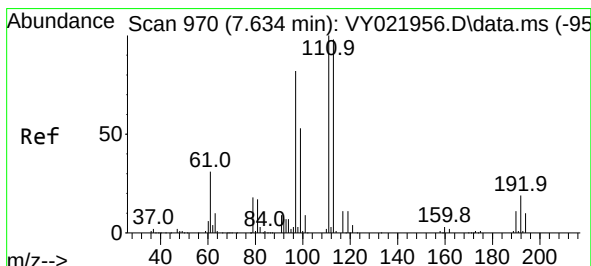
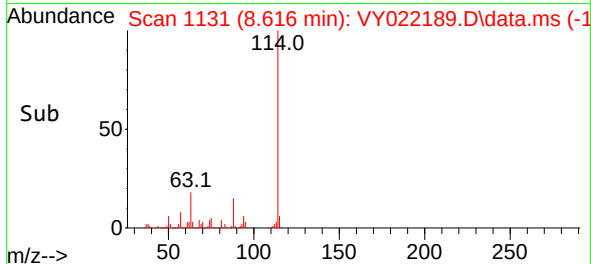
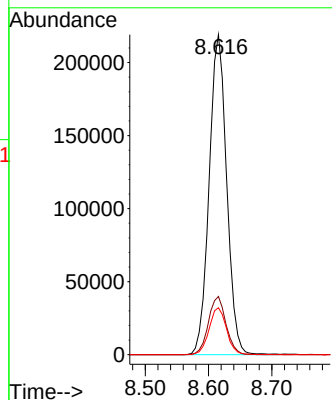
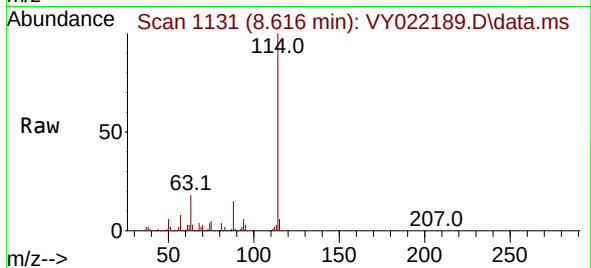
Tgt Ion:114 Resp: 421696

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 52.392 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022189.D

Acq: 07 May 2025 13:13

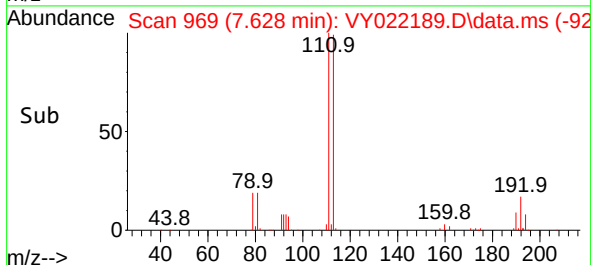
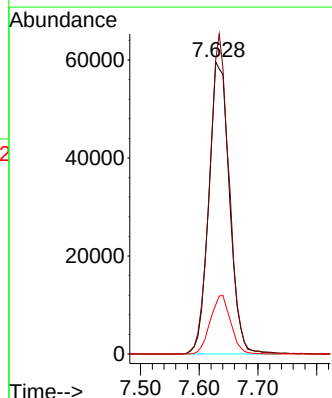
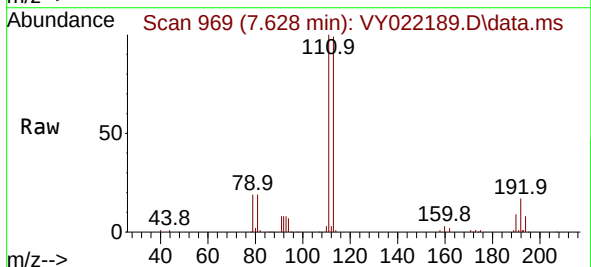
Tgt Ion:113 Resp: 145961

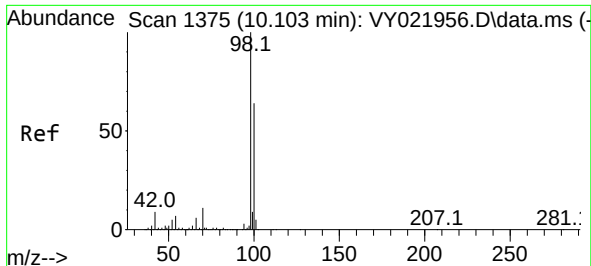
Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

192 19.7 15.6 23.4

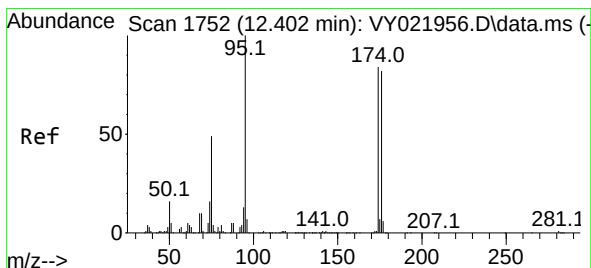
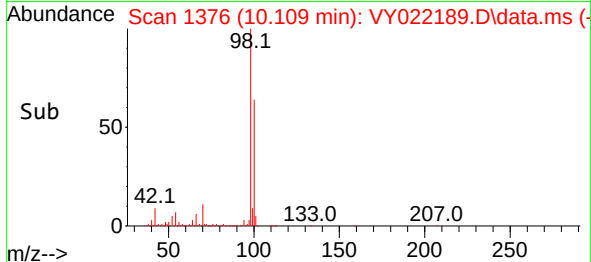
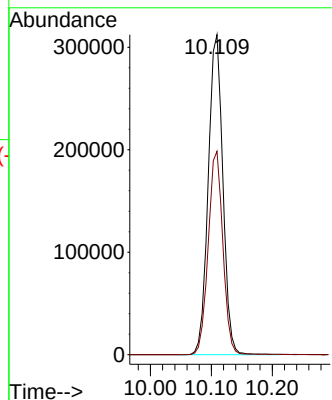
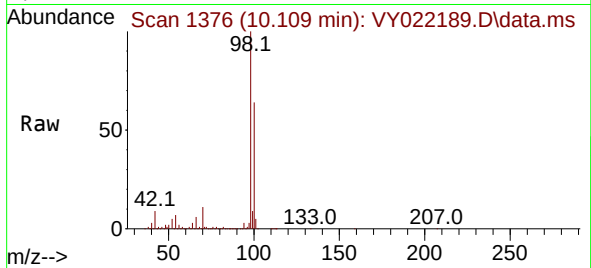




#50
Toluene-d8
Concen: 49.621 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

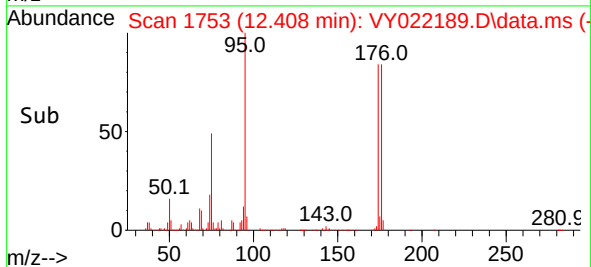
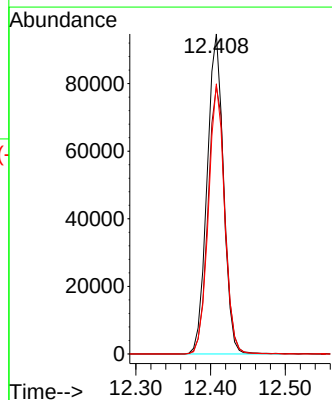
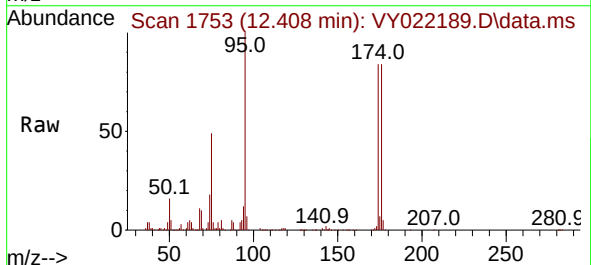
Instrument :
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MH-M-VOC

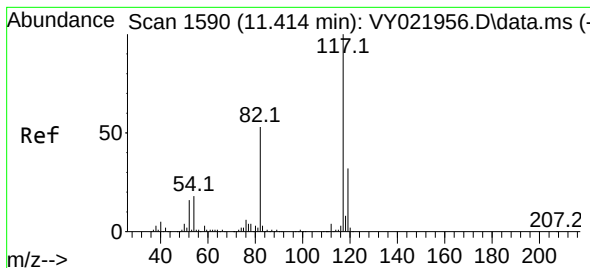
Tgt Ion: 98 Resp: 521175
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 40.633 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

Tgt Ion: 95 Resp: 143669
Ion Ratio Lower Upper
95 100
174 86.7 0.0 179.0
176 82.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022189.D

Acq: 07 May 2025 13:13

Instrument :

MSVOA_Y

ClientSampleId :

MH-M-VOC

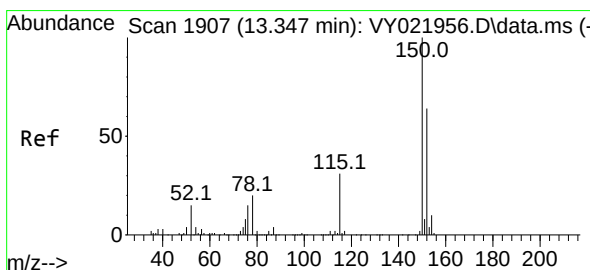
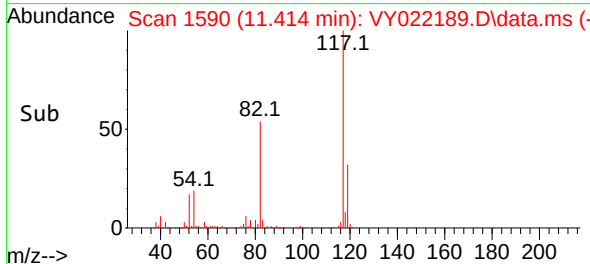
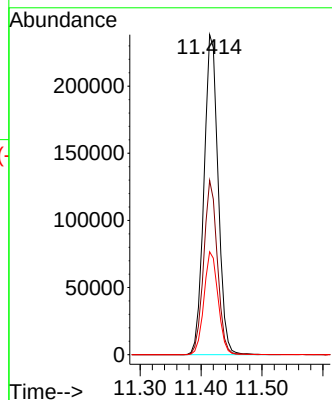
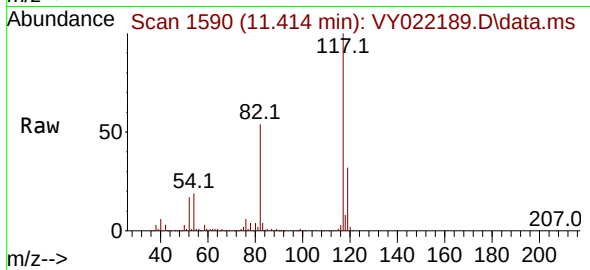
Tgt Ion:117 Resp: 384242

Ion Ratio Lower Upper

117 100

82 54.5 42.1 63.1

119 32.1 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: VY022189.D

Acq: 07 May 2025 13:13

Tgt Ion:152 Resp: 139865

Ion Ratio Lower Upper

152 100

115 58.7 28.0 84.0

150 157.5 0.0 345.6

