

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022131.D
 Acq On : 02 May 2025 16:01
 Operator : SY/MD
 Sample : Q1935-07
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-MM-VOC

Quant Time: May 03 02:51:47 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	305300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	573834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	510265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205715	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156114	55.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.720%
35) Dibromofluoromethane	7.634	113	192773	50.849	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.700%
50) Toluene-d8	10.103	98	675787	47.283	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.560%
62) 4-Bromofluorobenzene	12.401	95	206112	42.839	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.680%

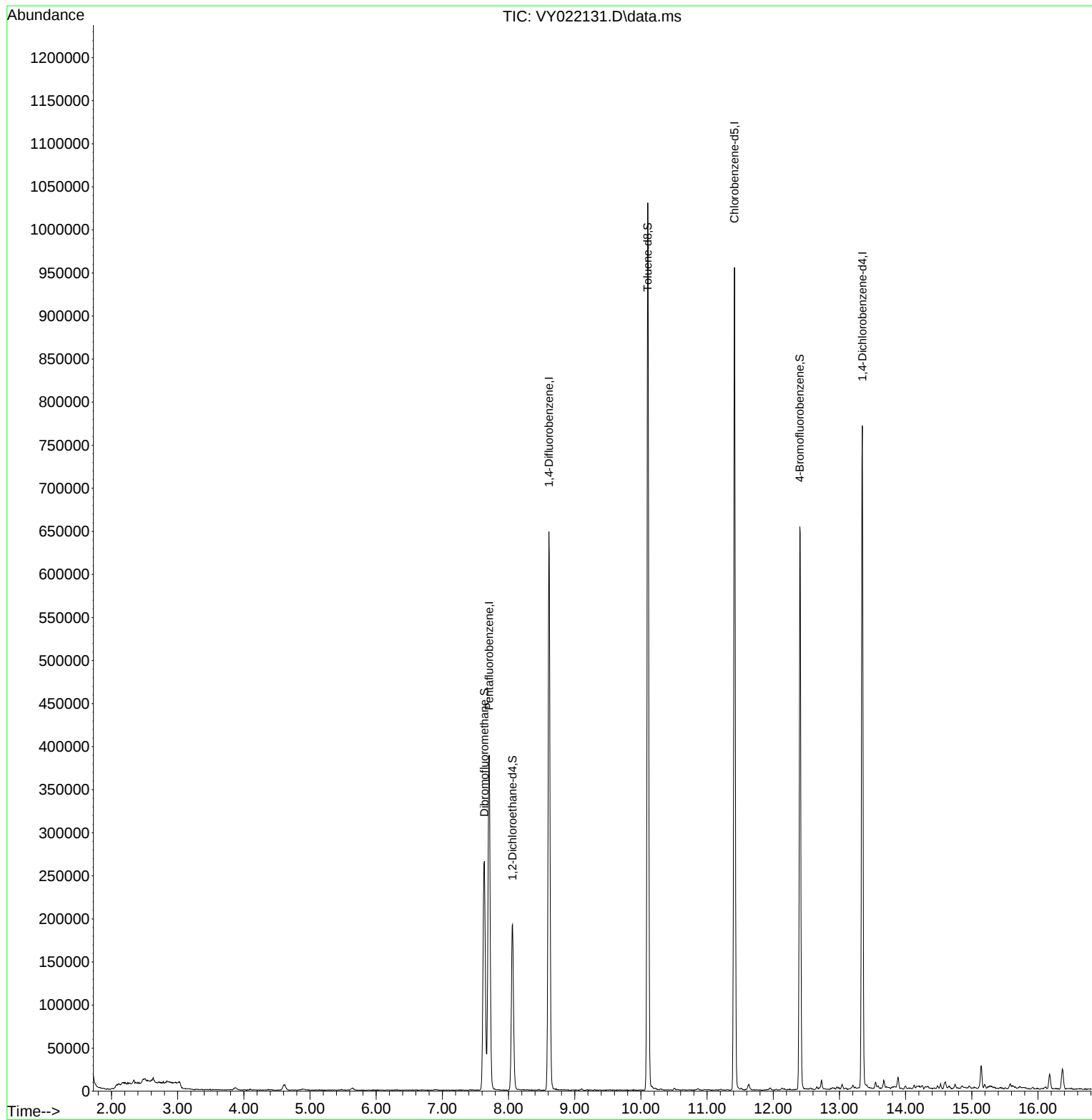
Target Compounds	Qvalue

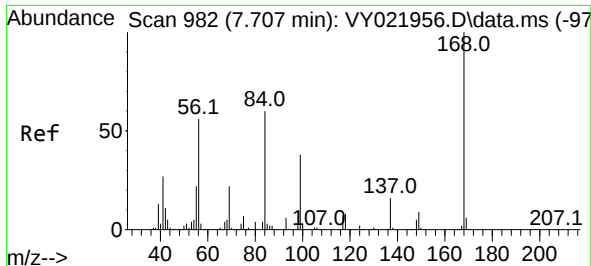
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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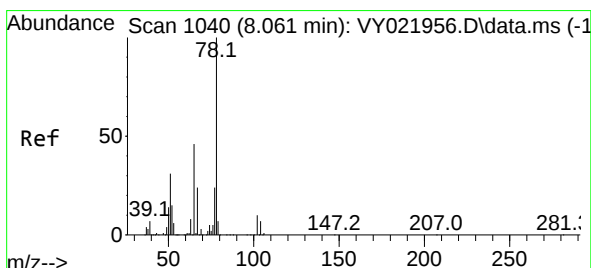
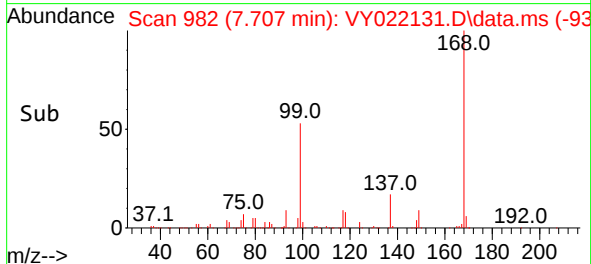
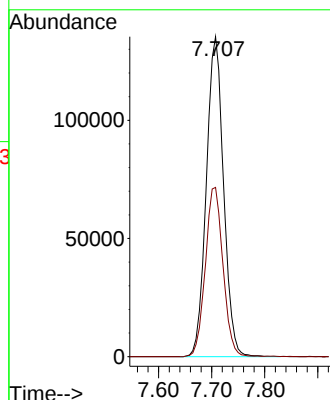
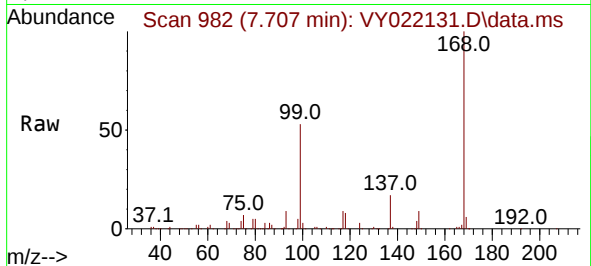




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022131.D
Acq: 02 May 2025 16:01

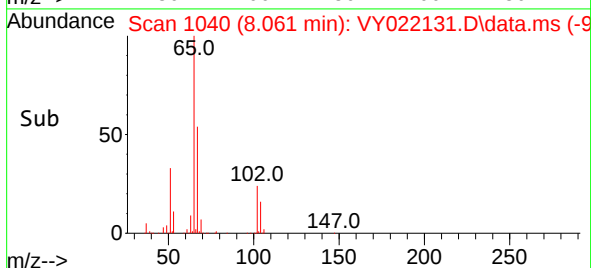
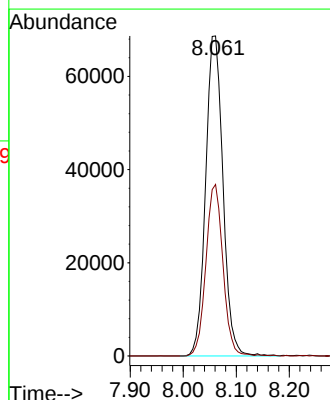
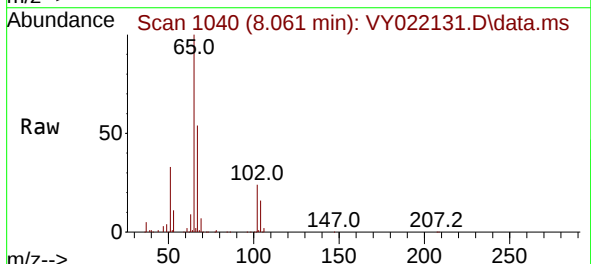
Instrument :
MSVOA_Y
ClientSampleId :
MH-MM-VOC

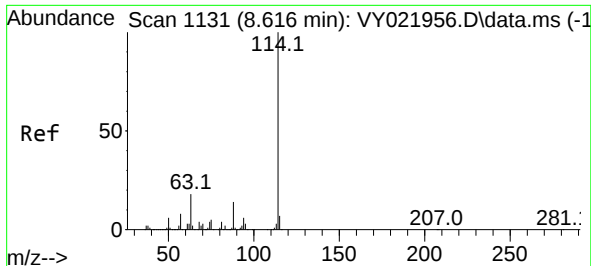
Tgt Ion:168 Resp: 305300
Ion Ratio Lower Upper
168 100
99 52.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.360 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022131.D
Acq: 02 May 2025 16:01

Tgt Ion: 65 Resp: 156114
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8

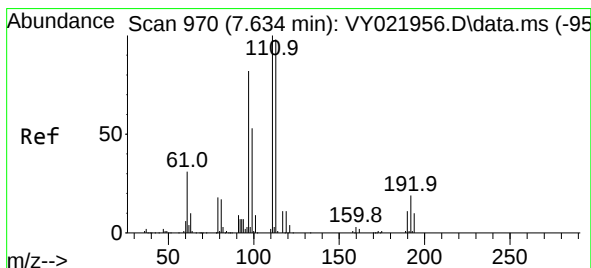
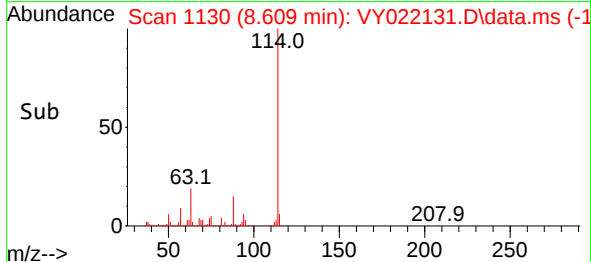
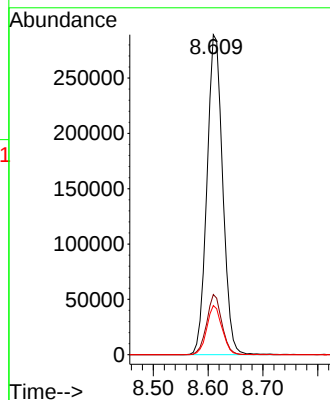
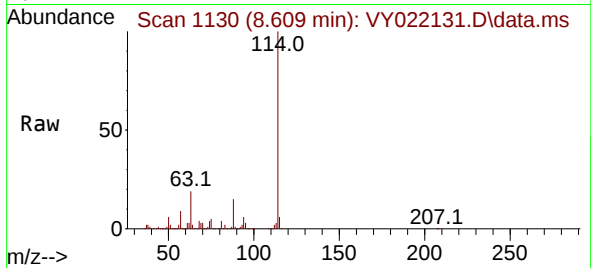




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022131.D
Acq: 02 May 2025 16:01

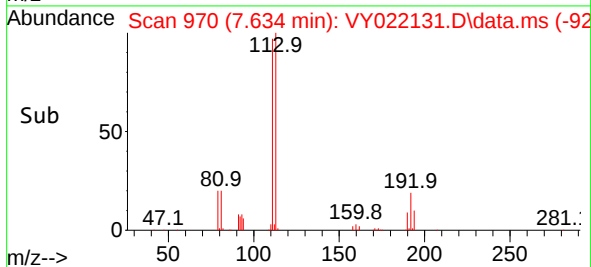
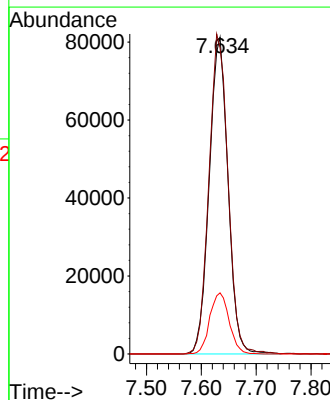
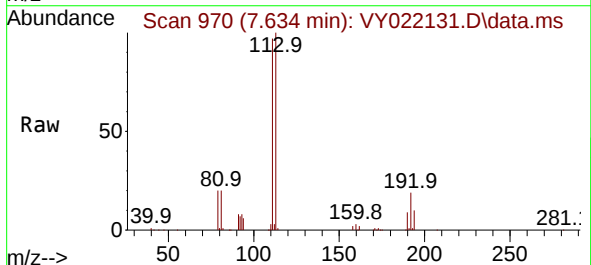
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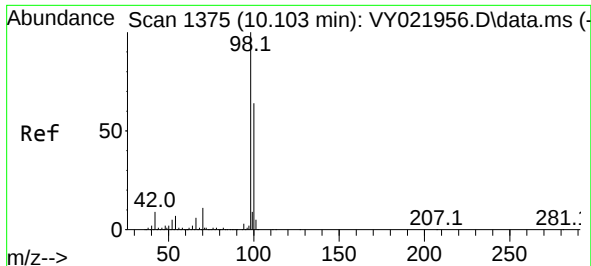
Tgt Ion:114 Resp: 573834
Ion Ratio Lower Upper
114 100
63 18.8 0.0 35.4
88 15.4 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.849 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022131.D
Acq: 02 May 2025 16:01

Tgt Ion:113 Resp: 192773
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 19.9 15.6 23.4

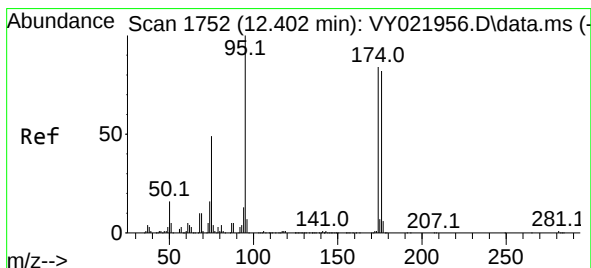
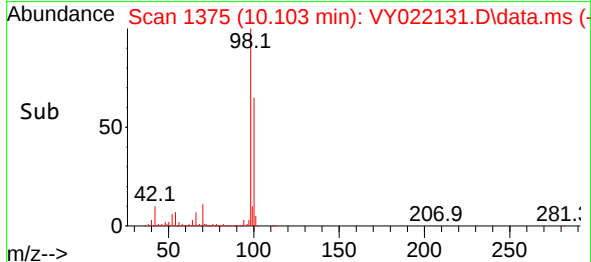
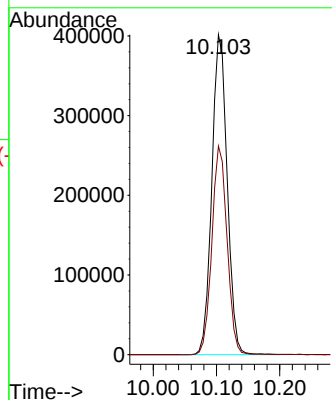
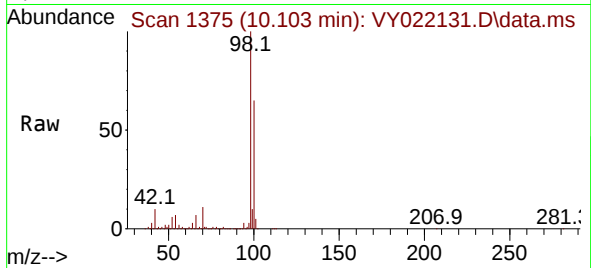




#50
Toluene-d8
Concen: 47.283 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022131.D
Acq: 02 May 2025 16:01

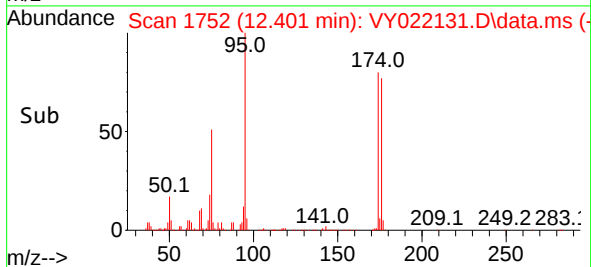
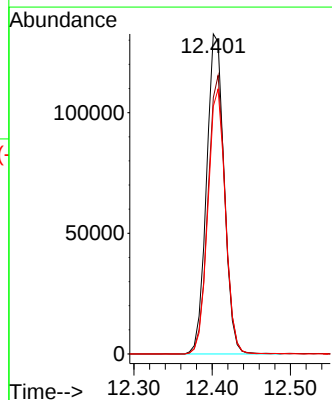
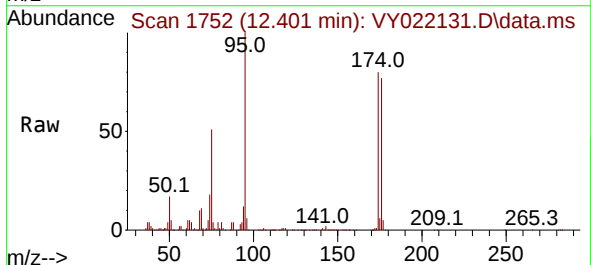
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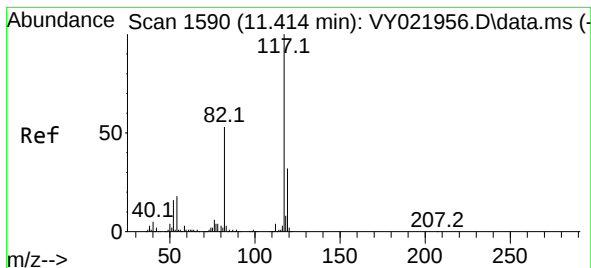
Tgt Ion: 98 Resp: 675787
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.839 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022131.D
Acq: 02 May 2025 16:01

Tgt Ion: 95 Resp: 206112
Ion Ratio Lower Upper
95 100
174 85.8 0.0 179.0
176 82.3 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: VY022131.D

Acq: 02 May 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

MH-MM-VOC

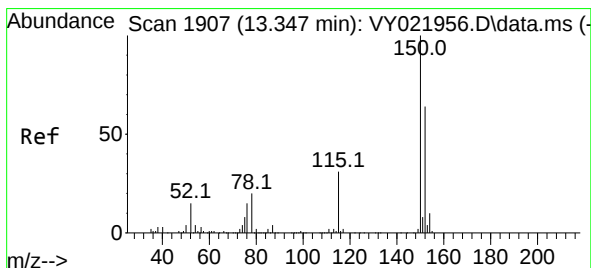
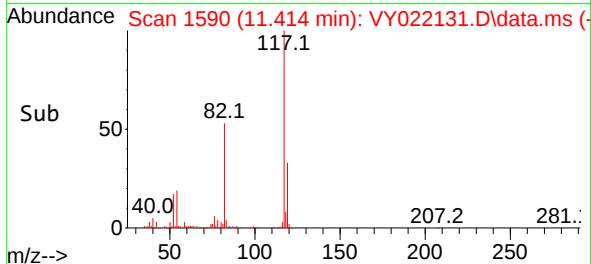
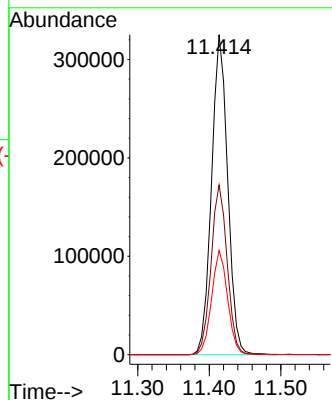
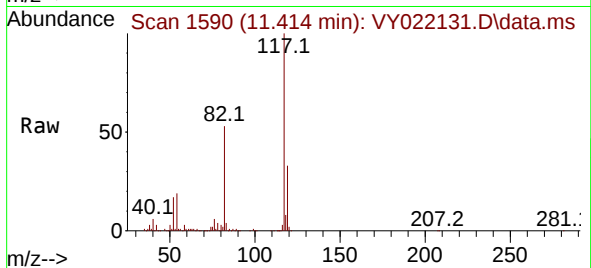
Tgt Ion:117 Resp: 510265

Ion Ratio Lower Upper

117 100

82 53.0 42.1 63.1

119 32.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022131.D

Acq: 02 May 2025 16:01

Tgt Ion:152 Resp: 205715

Ion Ratio Lower Upper

152 100

115 57.5 28.0 84.0

150 155.3 0.0 345.6

