

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022135.D
 Acq On : 02 May 2025 17:35
 Operator : SY/MD
 Sample : Q1939-05
 Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB3

Quant Time: May 03 02:52:35 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)

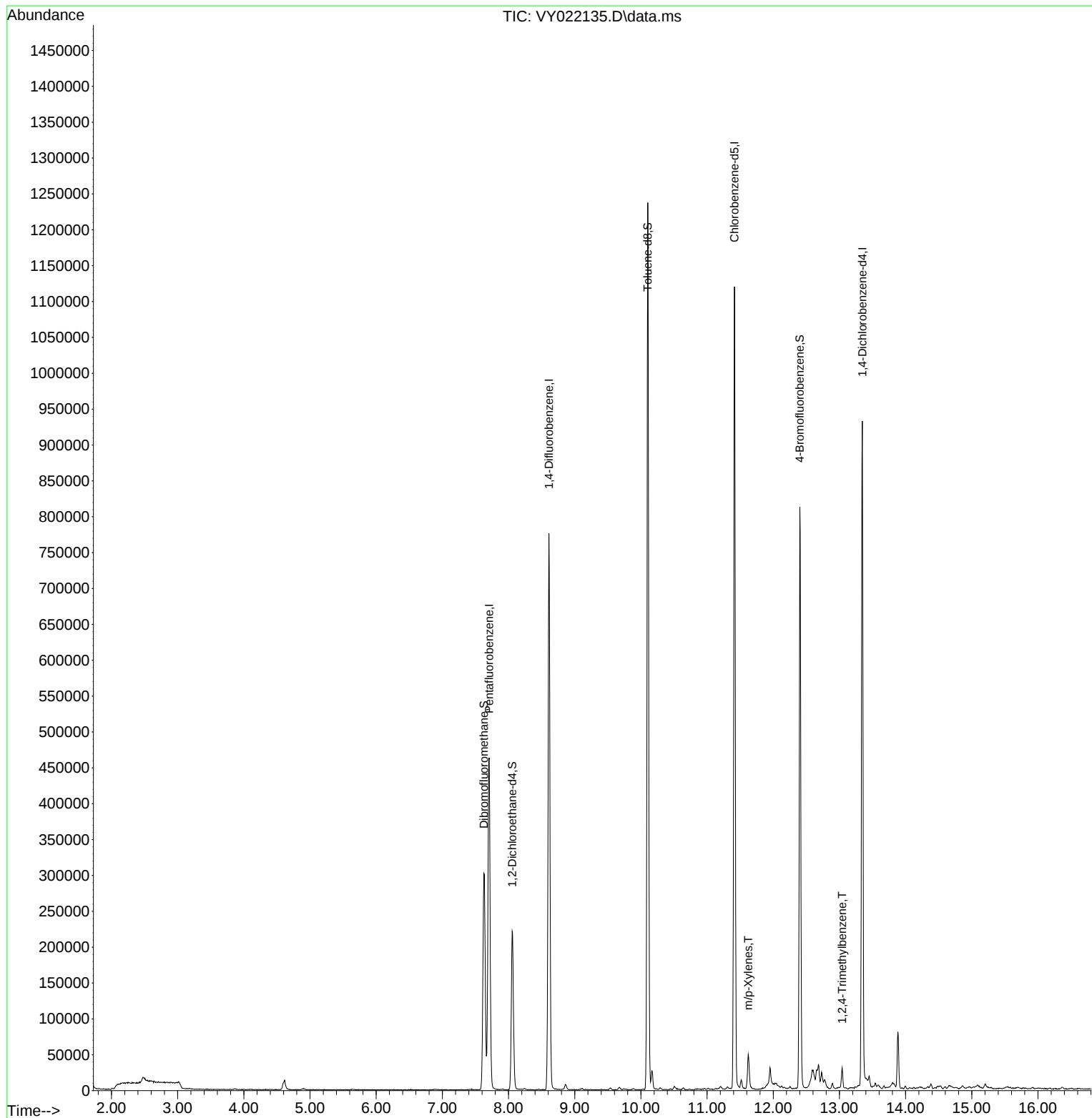
Internal Standards						
1) Pentafluorobenzene	7.707	168	358545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	672036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	603590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	176211	53.207	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.420%
35) Dibromofluoromethane	7.628	113	220250	49.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.220%
50) Toluene-d8	10.103	98	810645	48.431	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.860%
62) 4-Bromofluorobenzene	12.402	95	251156	44.573	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.140%
Target Compounds						
						Qvalue
68) m/p-Xylenes	11.621	106	14341	1.632	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	14082	1.042	ug/l	96

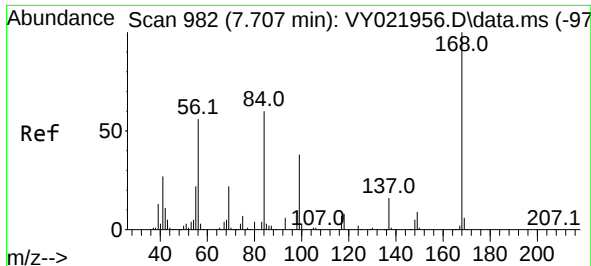
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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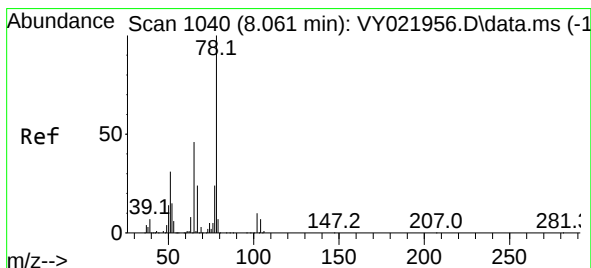
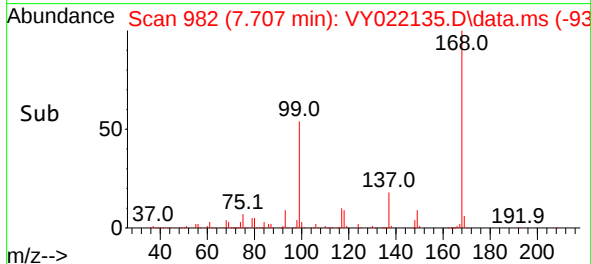
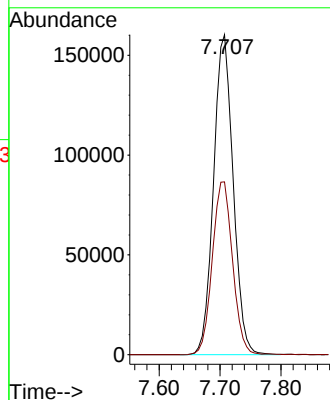
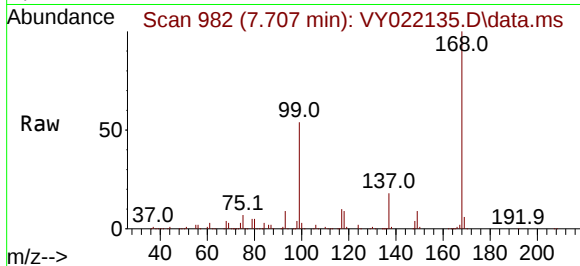




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

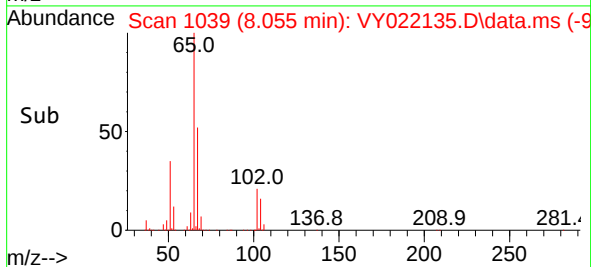
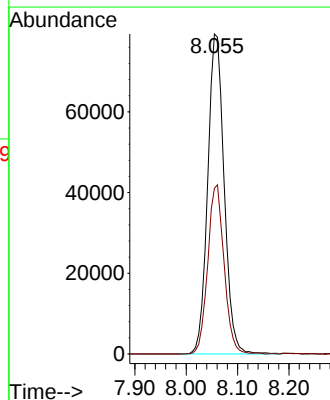
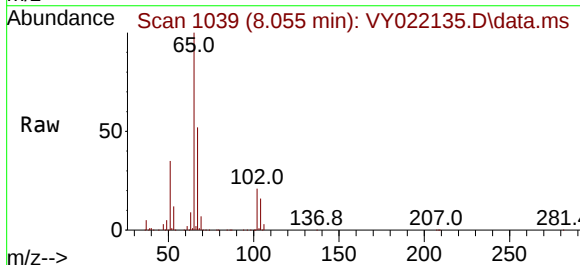
Instrument :
MSVOA_Y
ClientSampleId :
GB3

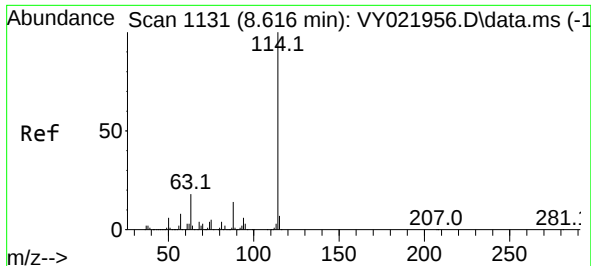
Tgt Ion:168 Resp: 358545
Ion Ratio Lower Upper
168 100
99 54.0 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 53.207 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion: 65 Resp: 176211
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8

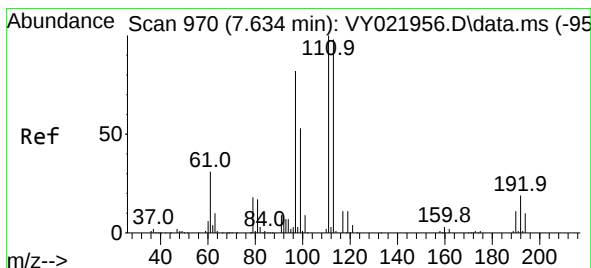
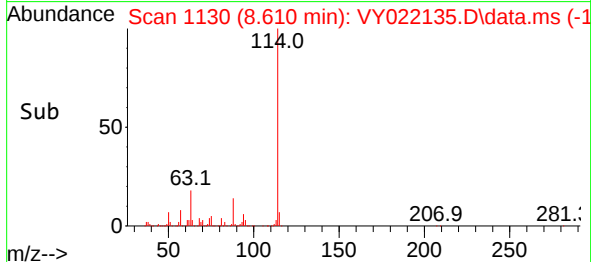
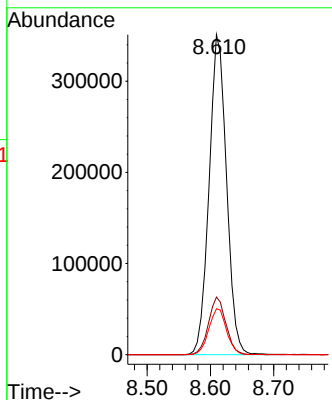
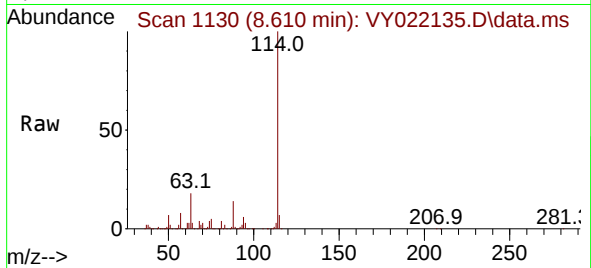




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

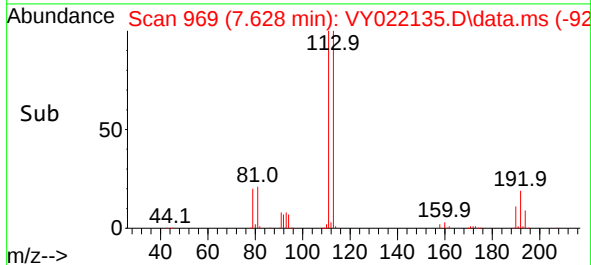
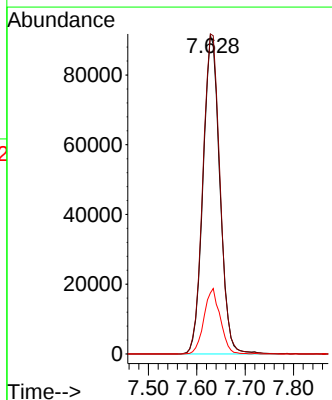
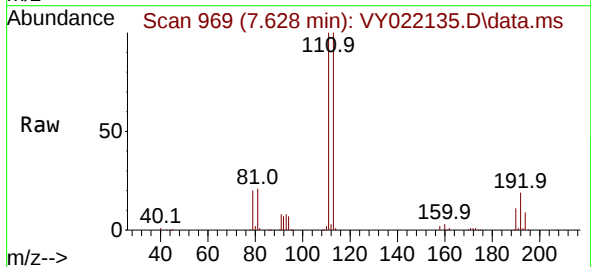
Instrument :
MSVOA_Y
ClientSampleId :
GB3

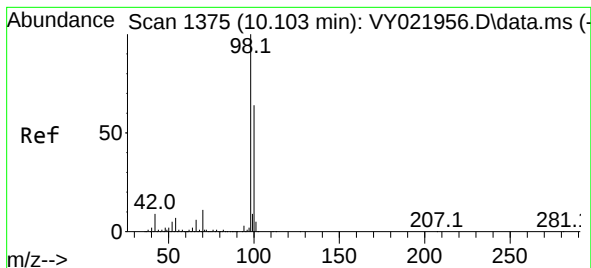
Tgt Ion:114 Resp: 672036
Ion Ratio Lower Upper
114 100
63 18.0 0.0 35.4
88 14.4 0.0 28.2



#35
Dibromofluoromethane
Concen: 49.608 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion:113 Resp: 220250
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 19.9 15.6 23.4





#50

Toluene-d8

Concen: 48.431 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

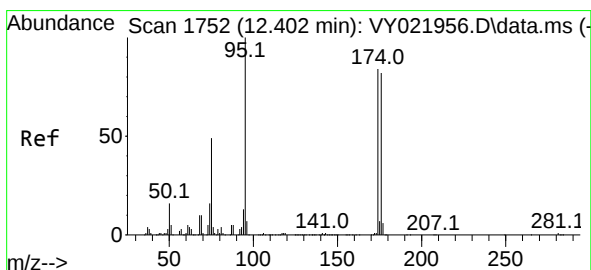
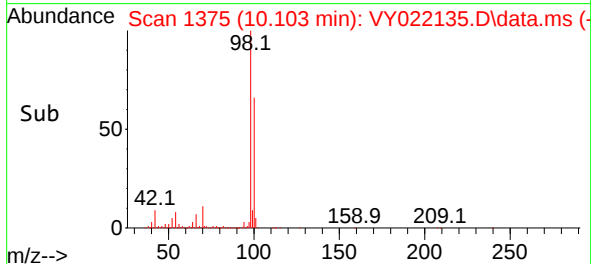
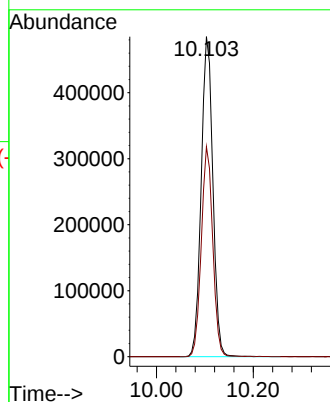
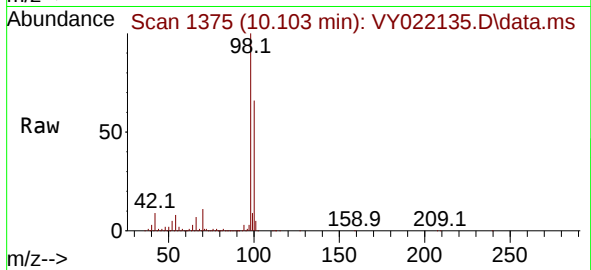
GB3

Tgt Ion: 98 Resp: 810645

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 44.573 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

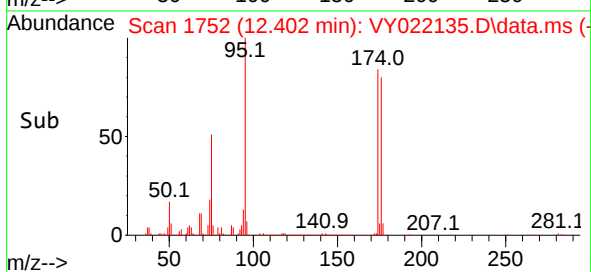
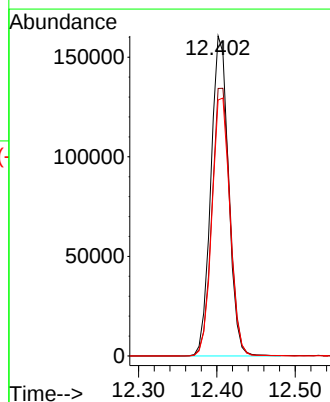
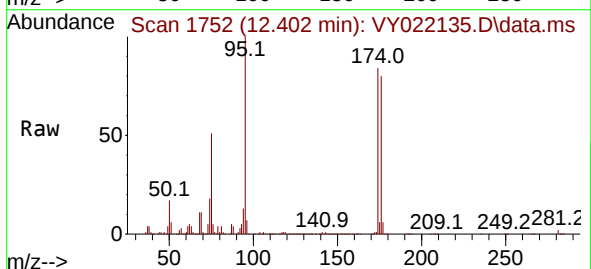
Tgt Ion: 95 Resp: 251156

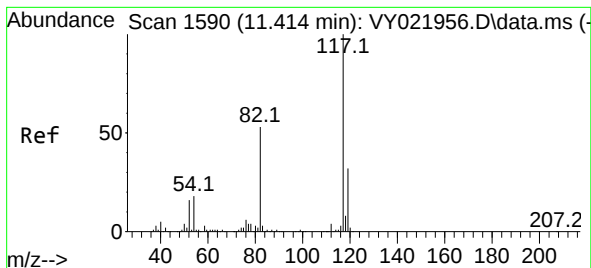
Ion Ratio Lower Upper

95 100

174 86.5 0.0 179.0

176 82.4 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: VY022135.D

Acq: 02 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

GB3

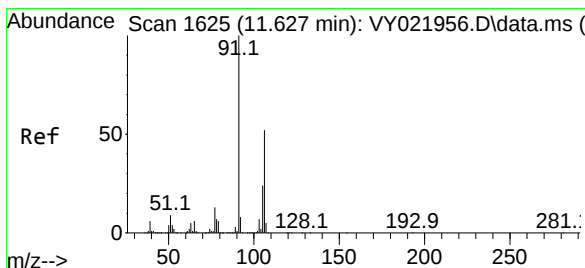
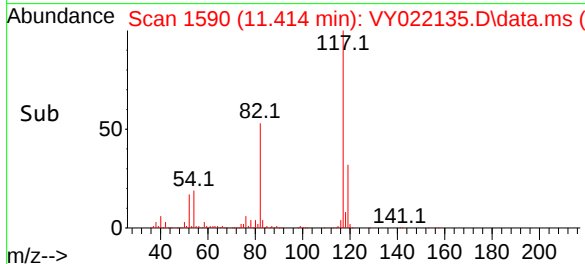
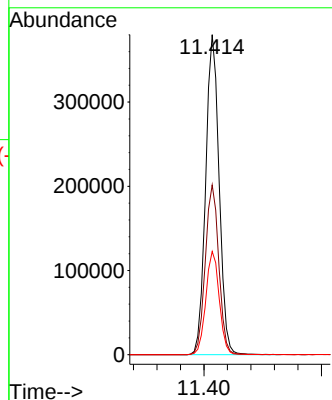
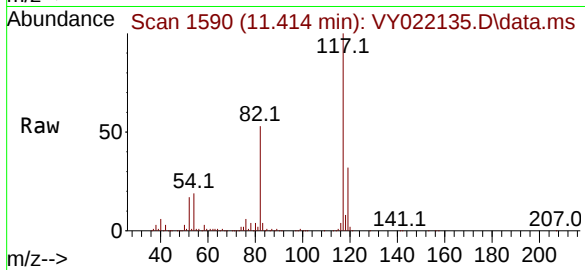
Tgt Ion:117 Resp: 603590

Ion Ratio Lower Upper

117 100

82 53.1 42.1 63.1

119 32.2 25.7 38.5



#68

m/p-Xylenes

Concen: 1.632 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.006 min

Lab File: VY022135.D

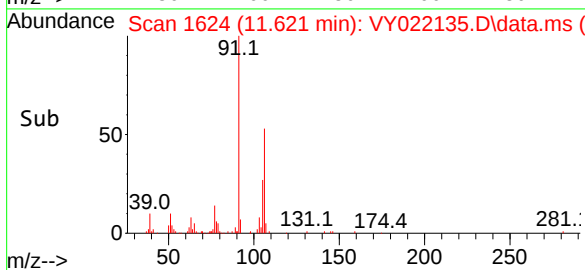
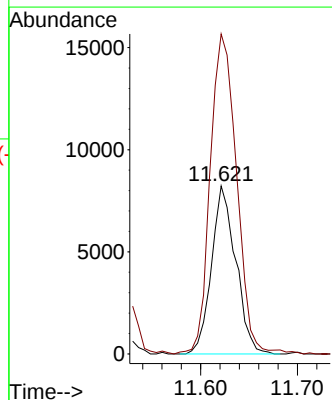
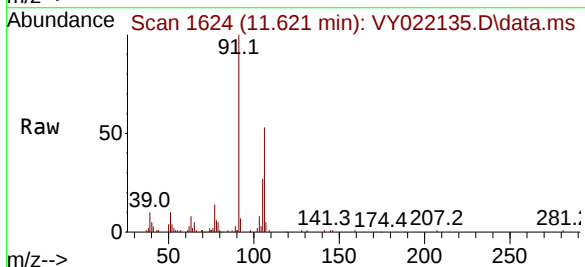
Acq: 02 May 2025 17:35

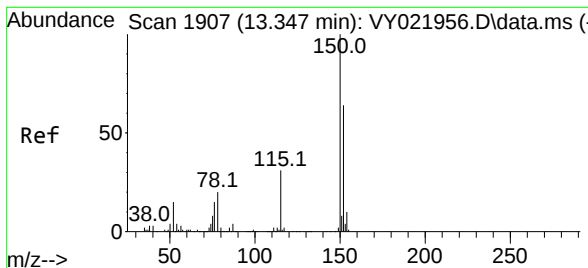
Tgt Ion:106 Resp: 14341

Ion Ratio Lower Upper

106 100

91 207.6 156.2 234.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

GB3

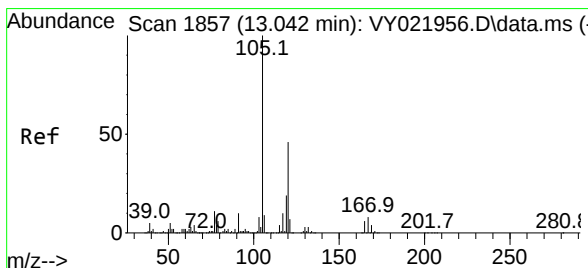
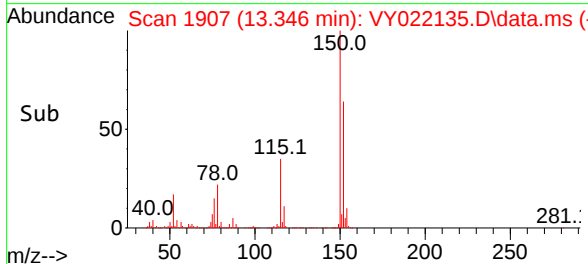
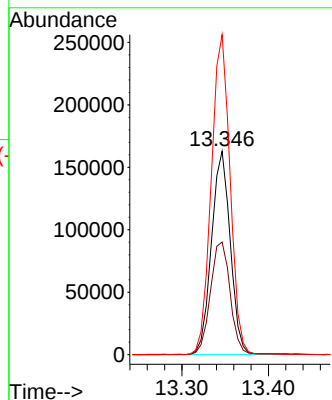
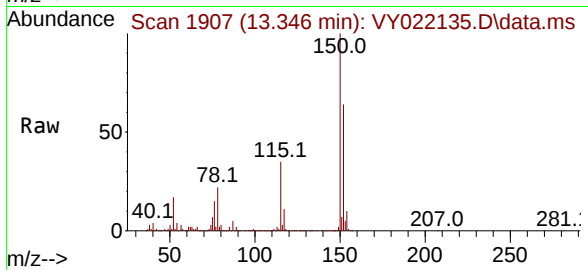
Tgt Ion:152 Resp: 245556

Ion Ratio Lower Upper

152 100

115 58.0 28.0 84.0

150 157.5 0.0 345.6



#84

1,2,4-Trimethylbenzene

Concen: 1.042 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

Tgt Ion:105 Resp: 14082

Ion Ratio Lower Upper

105 100

120 49.5 23.4 70.0

