

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023211.D
 Acq On : 25 Aug 2025 16:04
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 25 23:51:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	579558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1095396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	977233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392322	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301839	54.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.300%
35) Dibromofluoromethane	7.634	113	349683	53.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.700%
50) Toluene-d8	10.109	98	1327425	51.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.680%
62) 4-Bromofluorobenzene	12.408	95	377096	45.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.580%

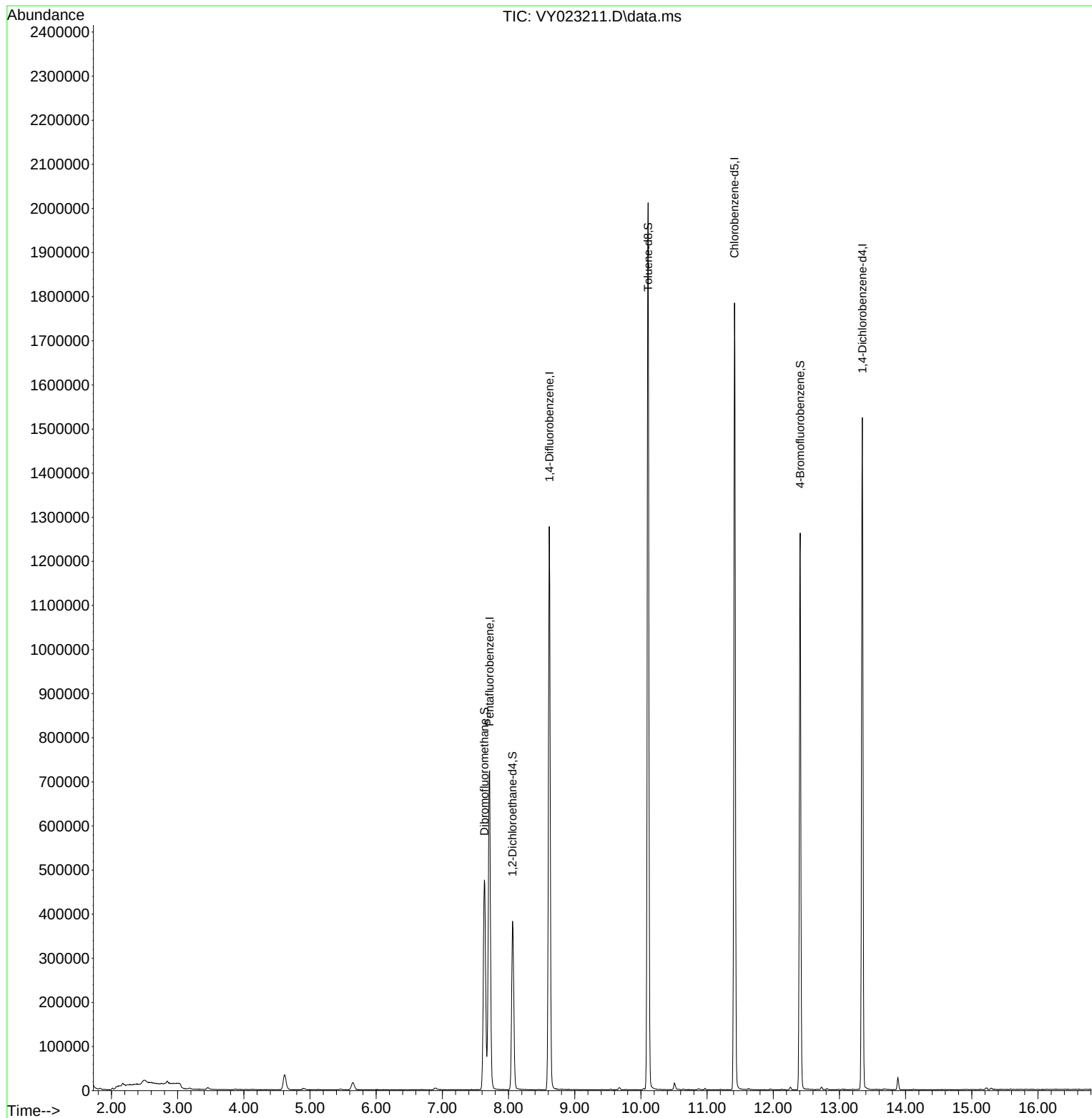
Target Compounds	Qvalue

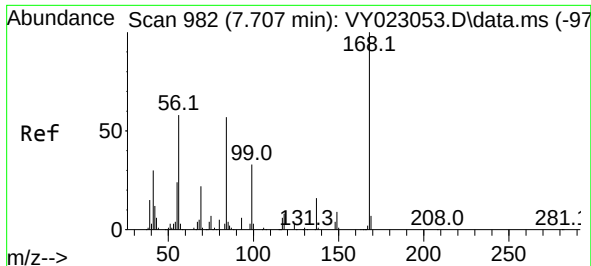
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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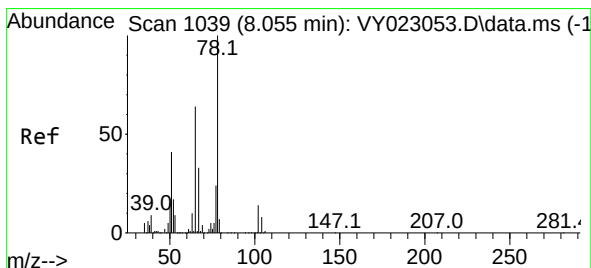
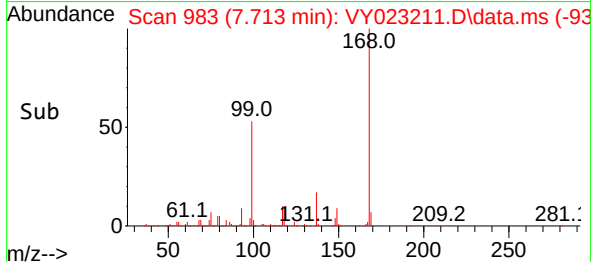
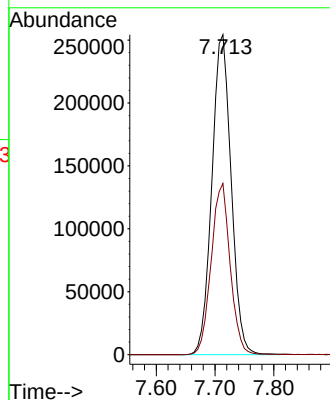
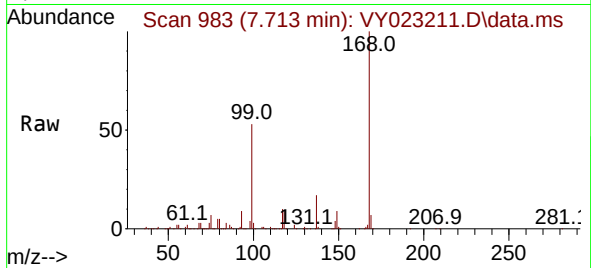




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

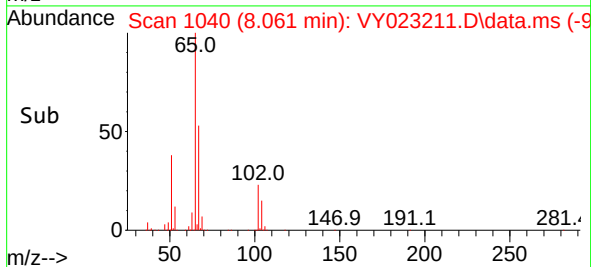
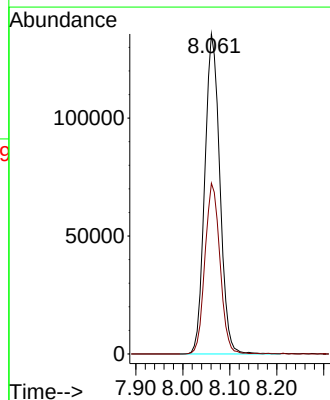
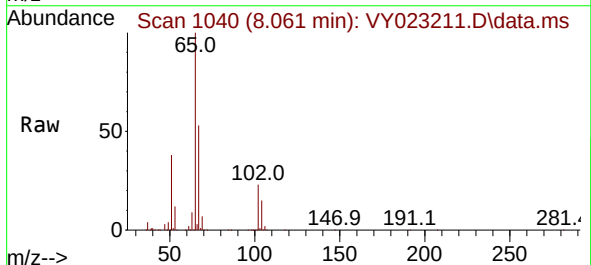
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

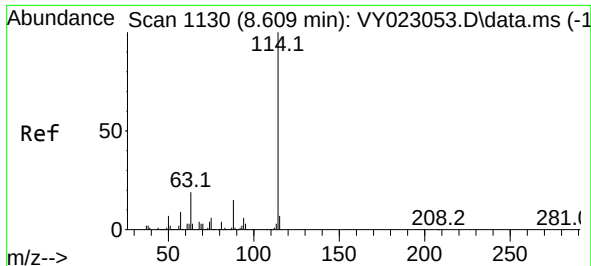
Tgt Ion:168 Resp: 579558
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 54.645 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Tgt Ion: 65 Resp: 301839
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023211.D

Acq: 25 Aug 2025 16:04

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

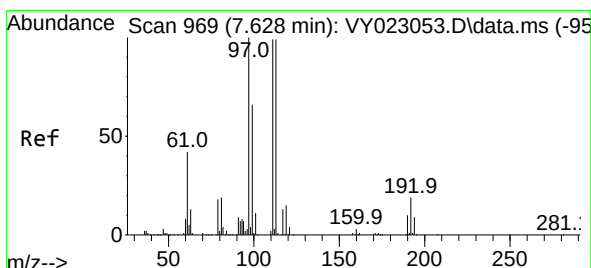
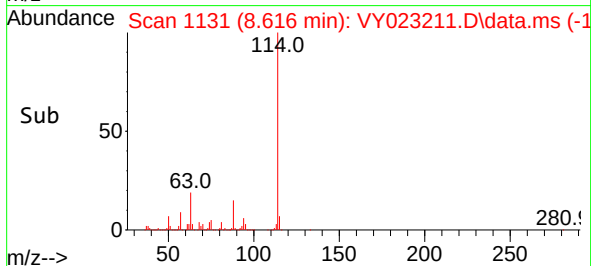
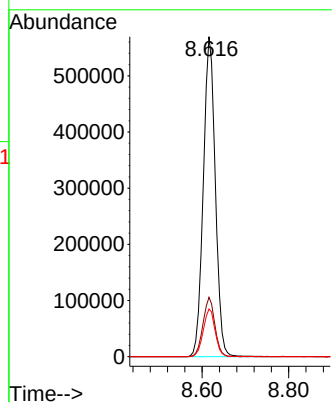
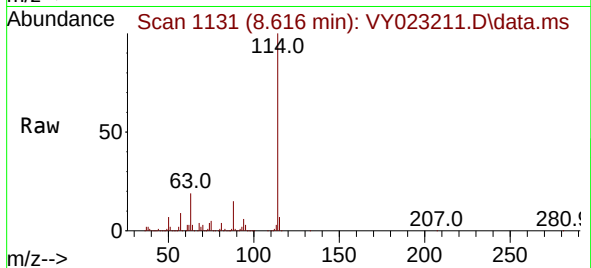
Tgt Ion:114 Resp: 1095396

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 14.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.350 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023211.D

Acq: 25 Aug 2025 16:04

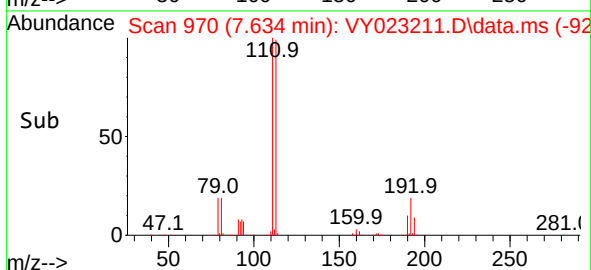
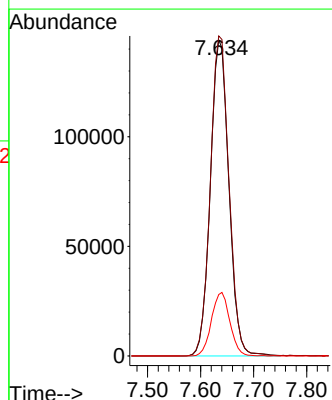
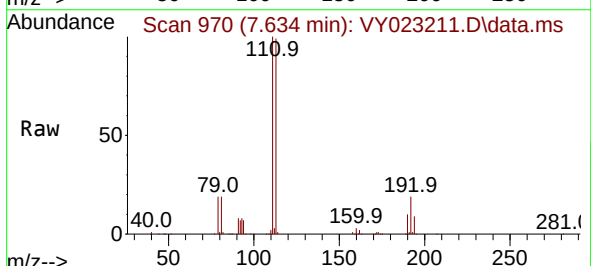
Tgt Ion:113 Resp: 349683

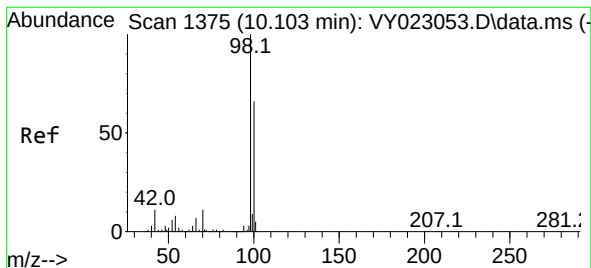
Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

192 20.0 16.2 24.4

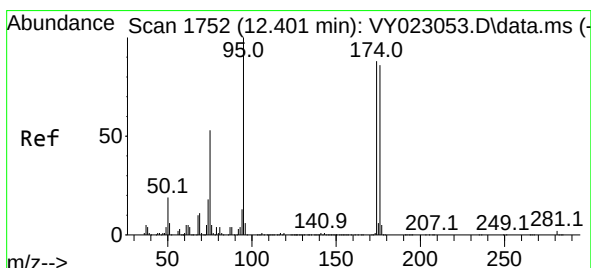
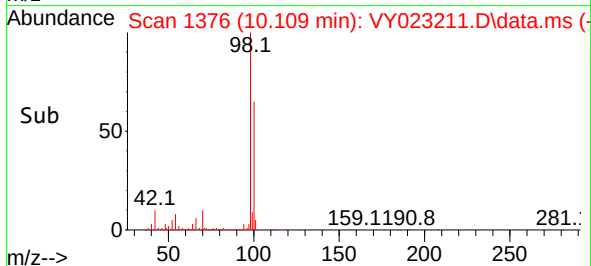
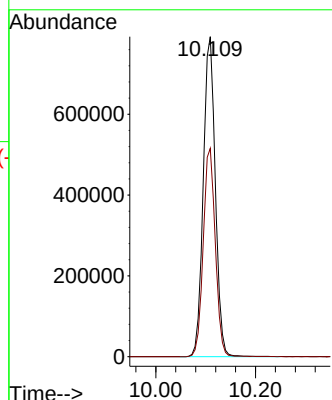
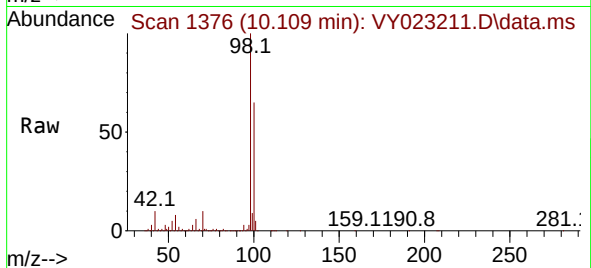




#50
Toluene-d8
Concen: 51.841 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

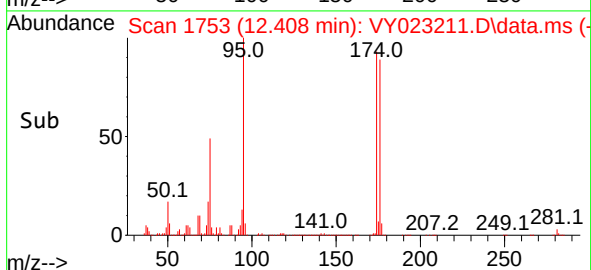
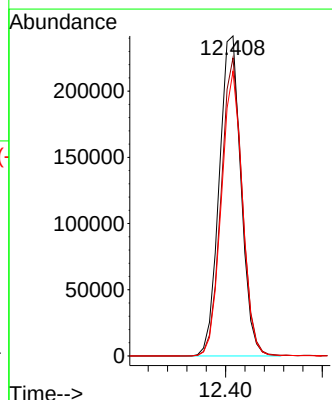
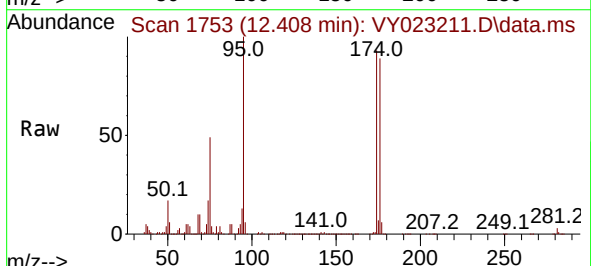
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

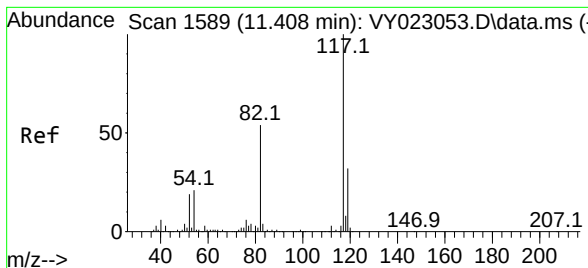
Tgt Ion: 98 Resp: 1327425
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.793 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Tgt Ion: 95 Resp: 377096
Ion Ratio Lower Upper
95 100
174 90.2 0.0 171.6
176 86.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023211.D

Acq: 25 Aug 2025 16:04

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

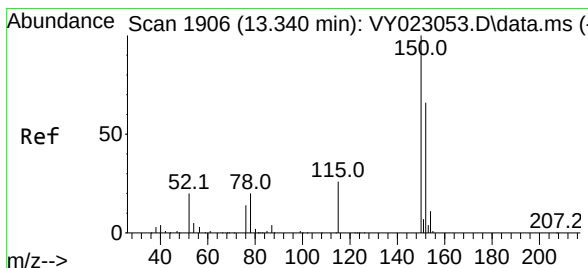
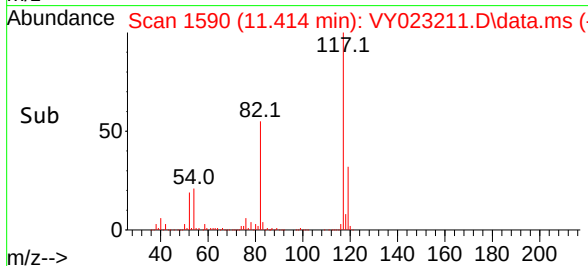
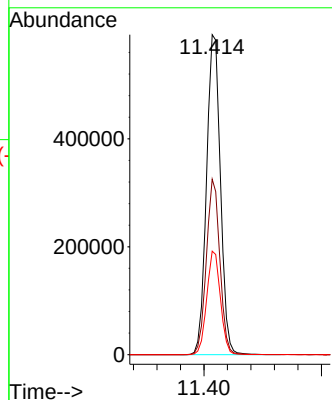
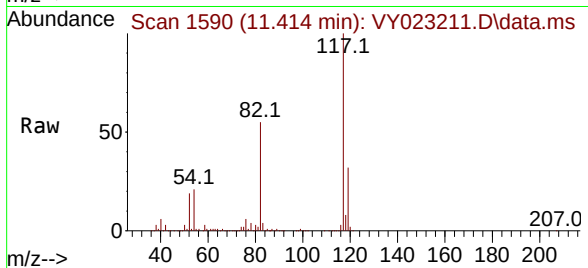
Tgt Ion:117 Resp: 977233

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023211.D

Acq: 25 Aug 2025 16:04

Tgt Ion:152 Resp: 392322

Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.6

150 158.1 0.0 348.0

