

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022091.D
 Acq On : 30 Apr 2025 18:39
 Operator : SY/MD
 Sample : Q1916-03
 Misc : 5.97g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-12-VOC

Quant Time: May 01 01:40:21 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	233861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	396251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	329216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	116731	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101039	46.774	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.540%
35) Dibromofluoromethane	7.634	113	133808	51.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.220%
50) Toluene-d8	10.103	98	468772	47.498	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.000%
62) 4-Bromofluorobenzene	12.407	95	114081	34.337	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.680%

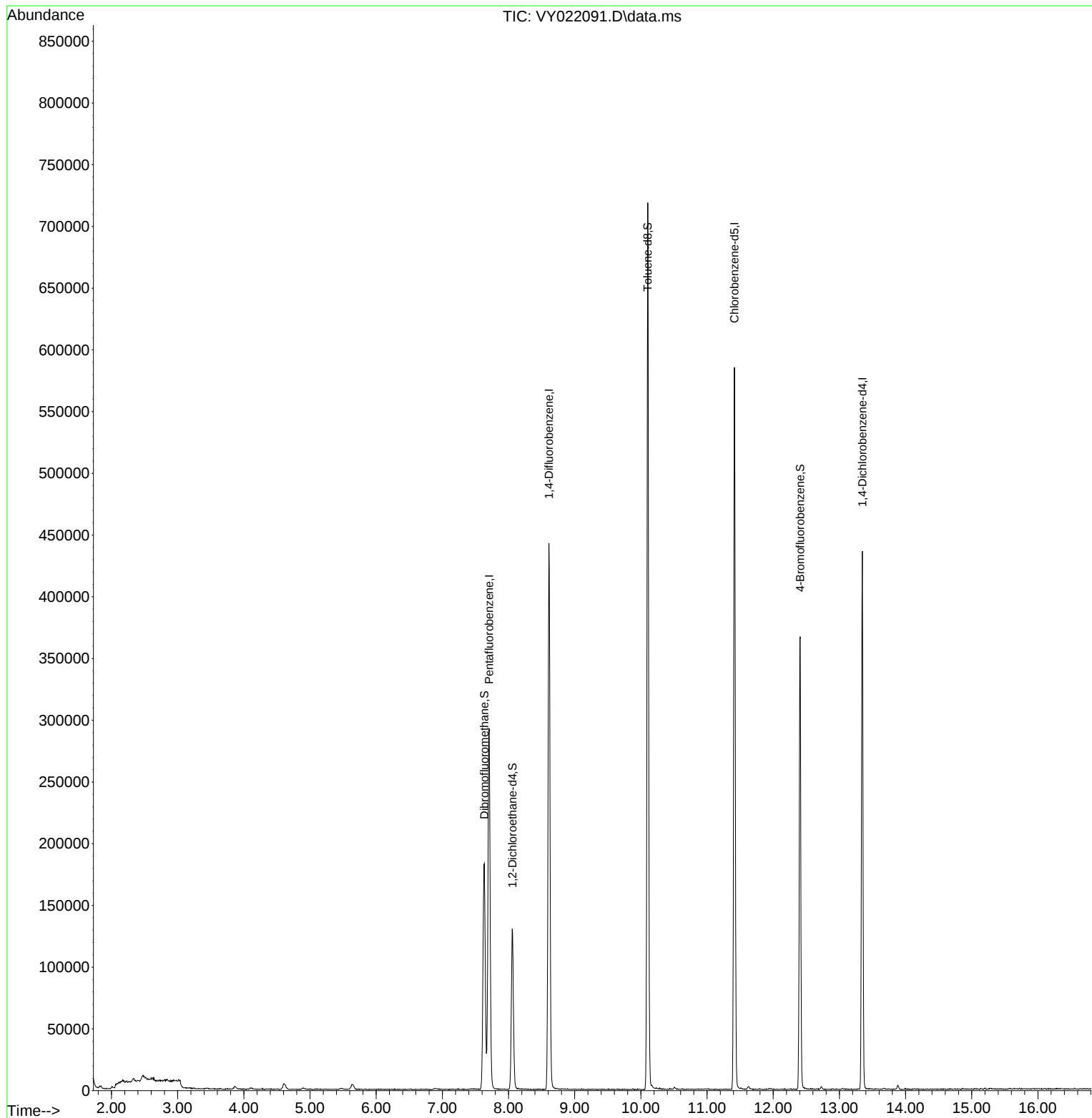
Target Compounds	Qvalue

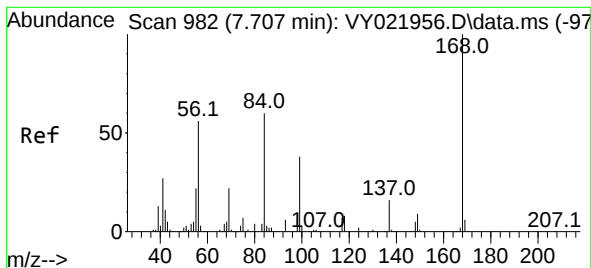
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

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Instrument :

MSVOA_Y

ClientSampleId :

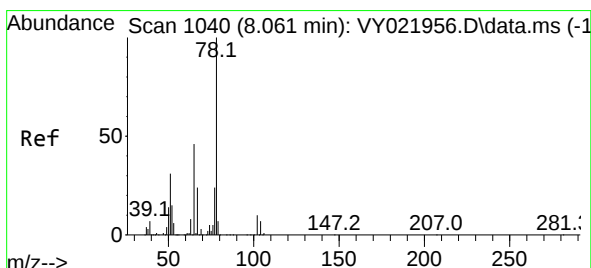
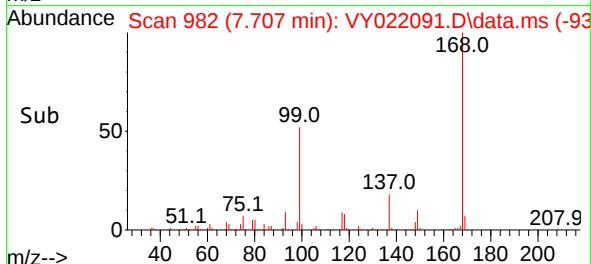
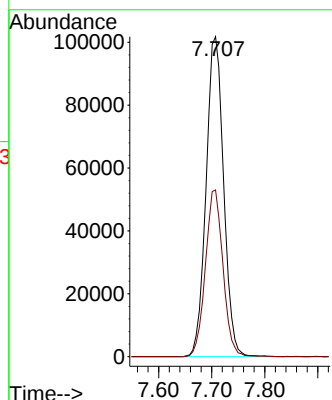
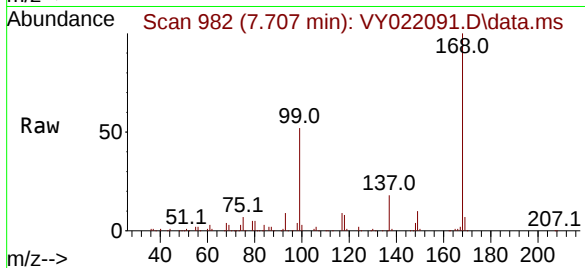
WC-12-VOC

Tgt Ion:168 Resp: 233861

Ion Ratio Lower Upper

168 100

99 52.1 43.1 64.7



#33

1,2-Dichloroethane-d4

Concen: 46.774 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022091.D

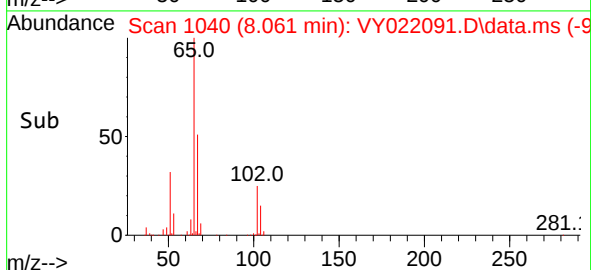
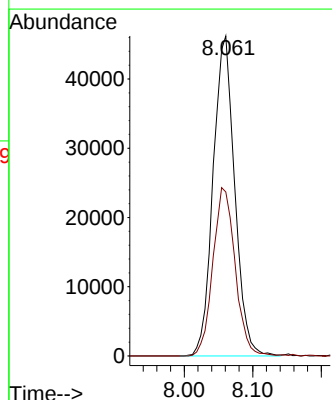
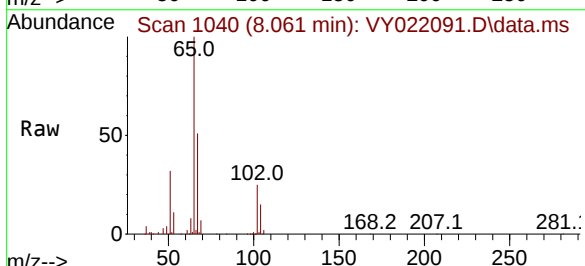
Acq: 30 Apr 2025 18:39

Tgt Ion: 65 Resp: 101039

Ion Ratio Lower Upper

65 100

67 54.2 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: VY022091.D

Acq: 30 Apr 2025 18:39

Instrument :

MSVOA_Y

ClientSampleId :

WC-12-VOC

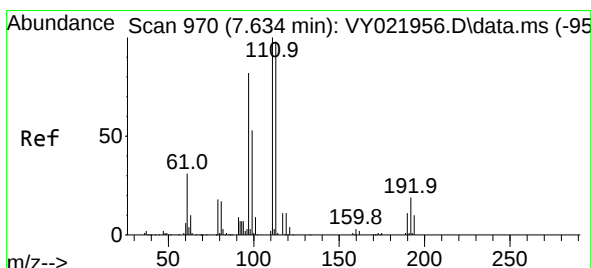
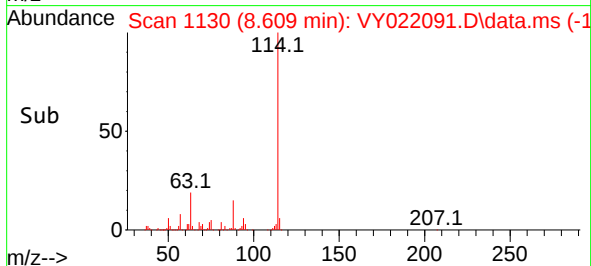
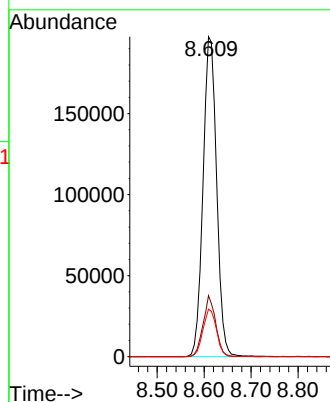
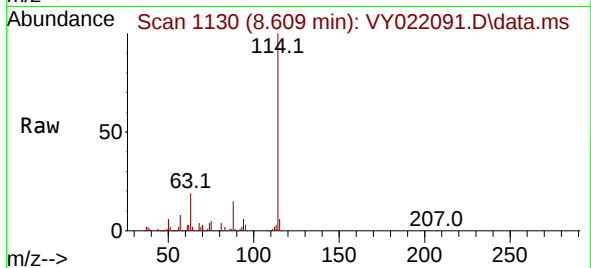
Tgt Ion:114 Resp: 396251

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.4

88 14.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.114 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022091.D

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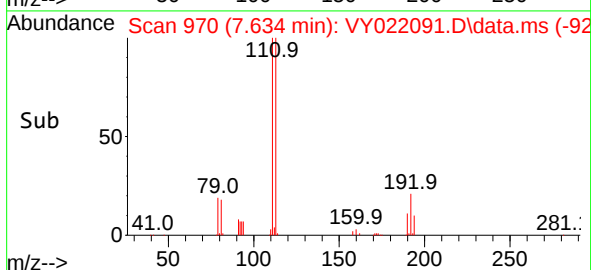
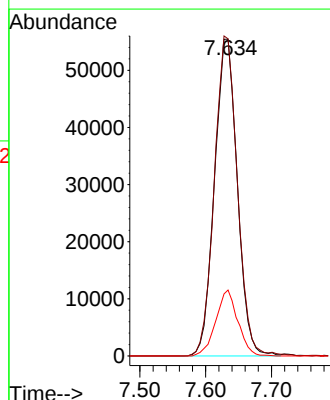
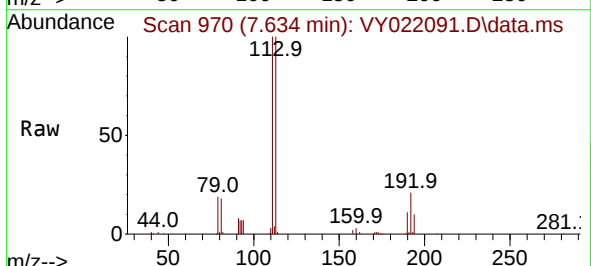
Tgt Ion:113 Resp: 133808

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

192 20.1 15.6 23.4

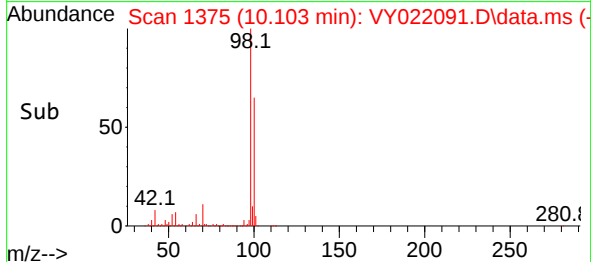
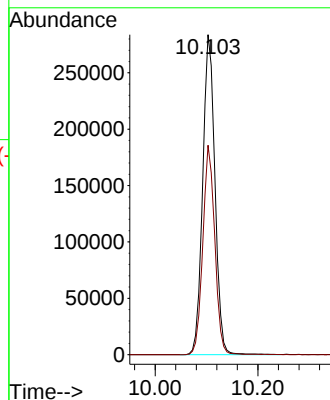
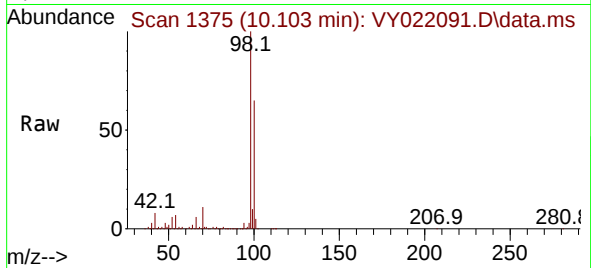




#50
Toluene-d8
Concen: 47.498 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022091.D
Acq: 30 Apr 2025 18:39

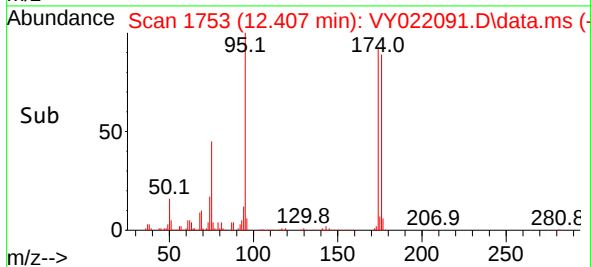
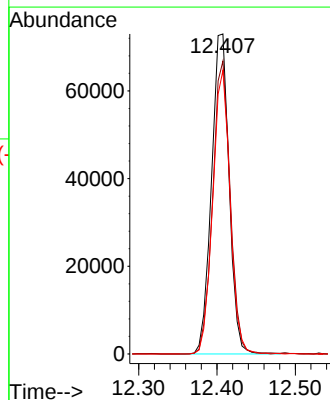
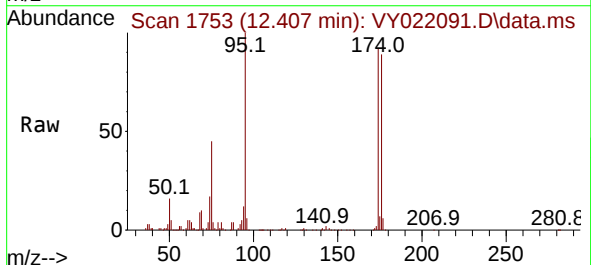
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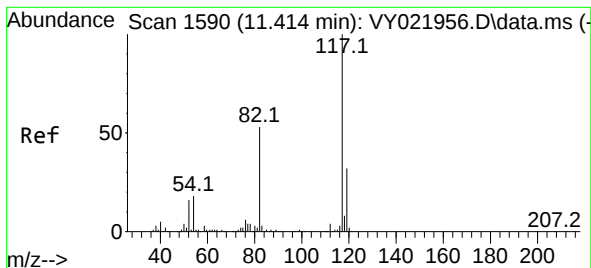
Tgt Ion: 98 Resp: 468772
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 34.337 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022091.D
Acq: 30 Apr 2025 18:39

Tgt Ion: 95 Resp: 114081
Ion Ratio Lower Upper
95 100
174 91.0 0.0 179.0
176 87.3 0.0 171.8

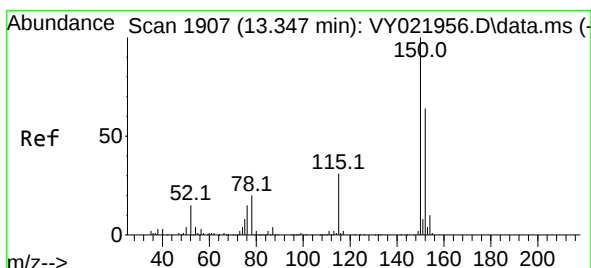
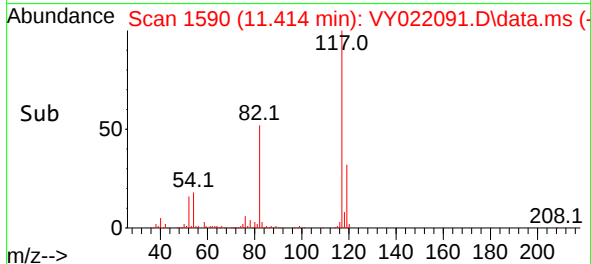
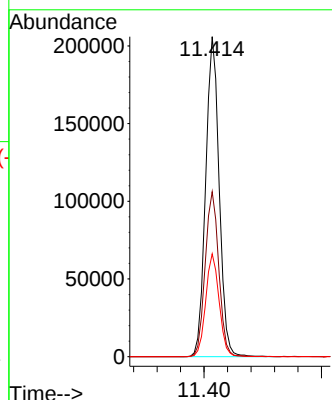
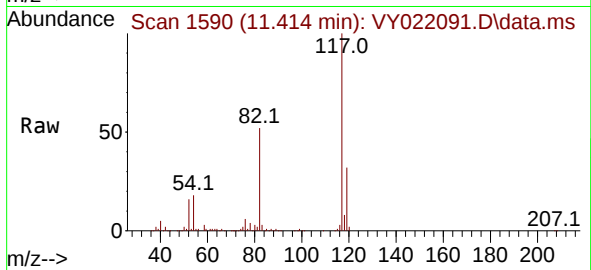




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022091.D
Acq: 30 Apr 2025 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WC-12-VOC

Tgt Ion:117 Resp: 329216
Ion Ratio Lower Upper
117 100
82 51.6 42.1 63.1
119 32.1 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: VY022091.D
Acq: 30 Apr 2025 18:39

Tgt Ion:152 Resp: 116731
Ion Ratio Lower Upper
152 100
115 55.7 28.0 84.0
150 154.7 0.0 345.6

