

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022609.D
 Acq On : 06 Jun 2025 18:47
 Operator : SY/MD
 Sample : Q2241-06
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-S-VOC

Quant Time: Jun 06 23:47:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	321325	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	573231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	438246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	153705	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	146456	40.752	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.500%
35) Dibromofluoromethane	7.628	113	163858	47.891	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.780%
50) Toluene-d8	10.103	98	681720	49.311	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.401	95	159916	38.822	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.640%

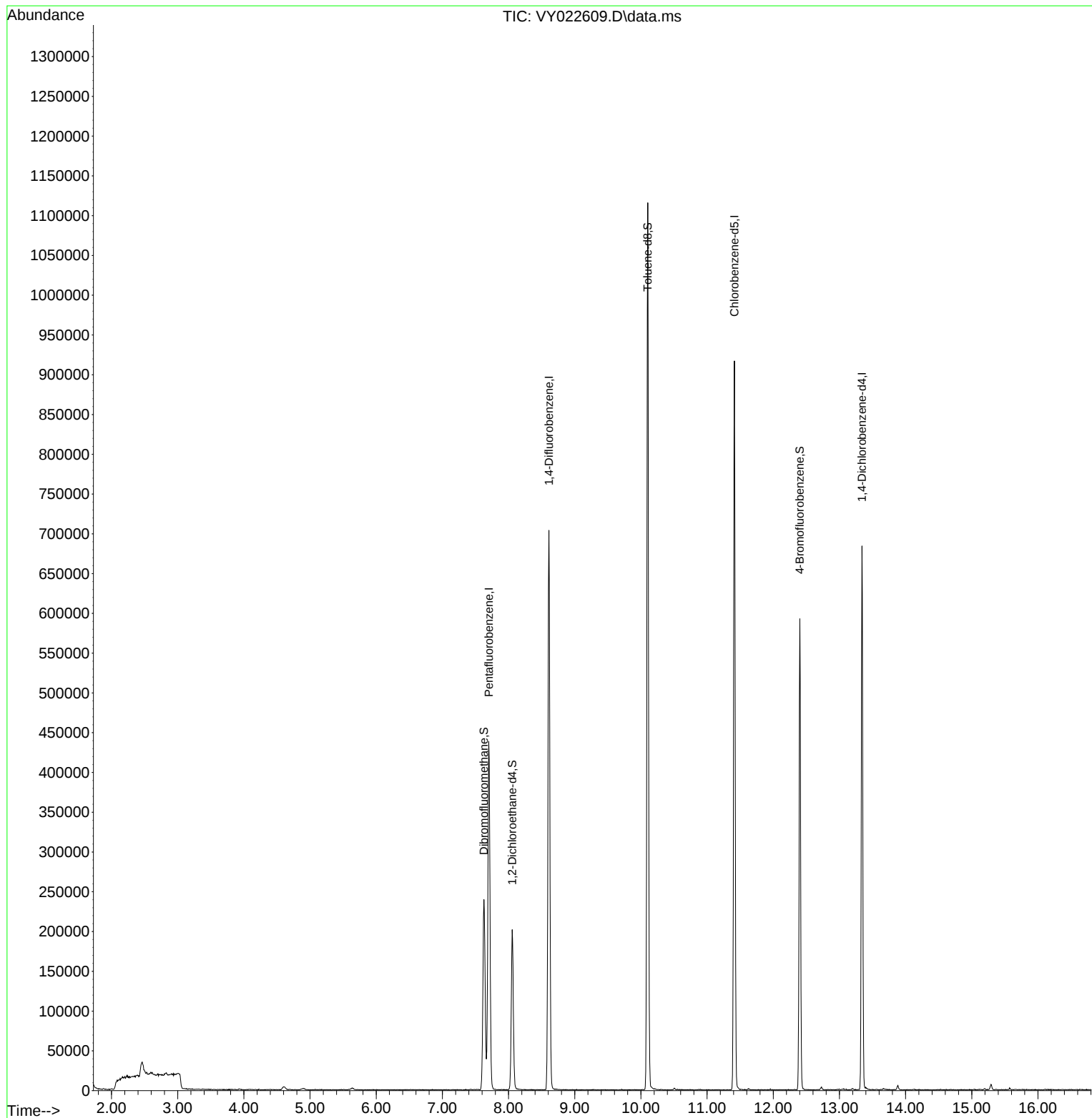
Target Compounds	Qvalue

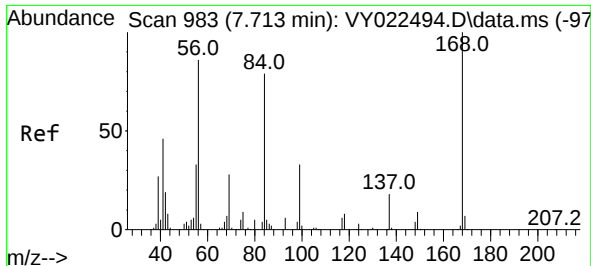
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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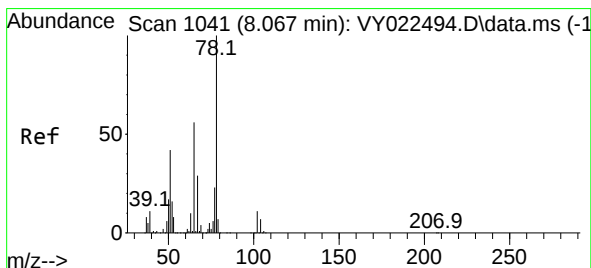
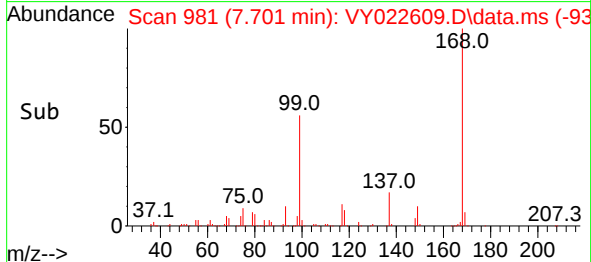
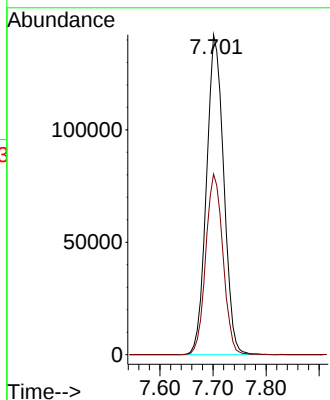
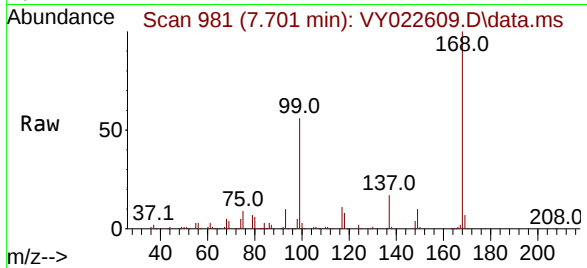




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

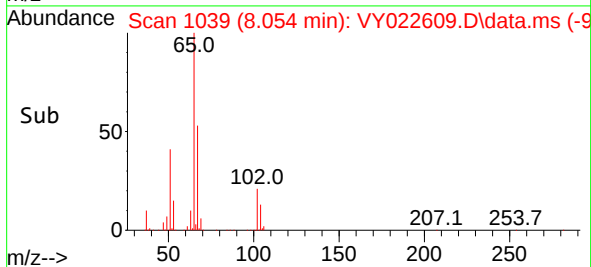
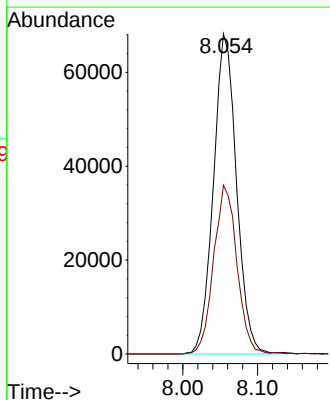
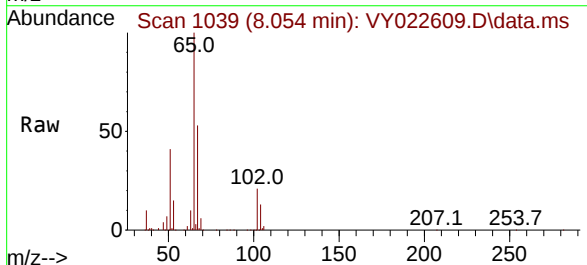
Instrument :
MSVOA_Y
ClientSampleId :
TP-S-VOC

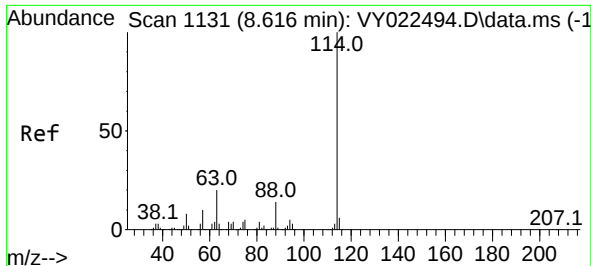
Tgt Ion:168 Resp: 321325
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 40.752 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. -0.013 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Tgt Ion: 65 Resp: 146456
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.4

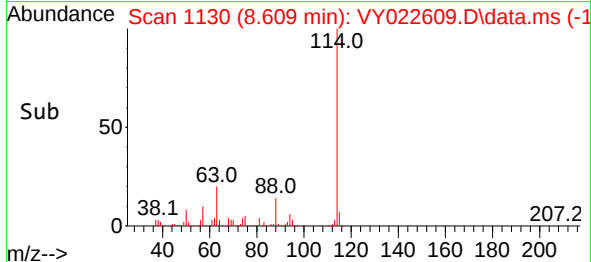
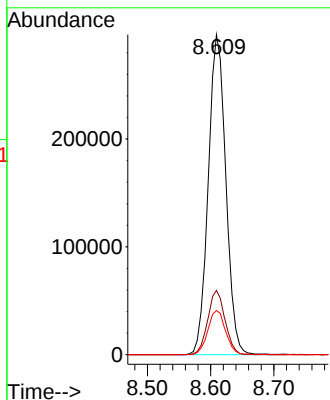
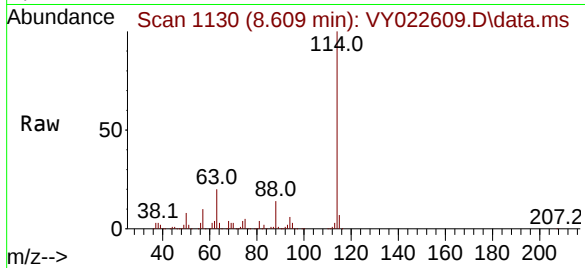




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.007 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

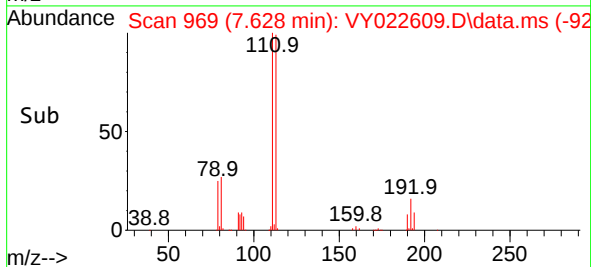
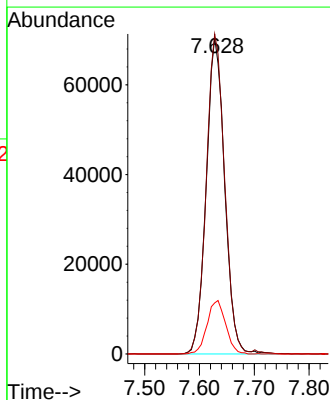
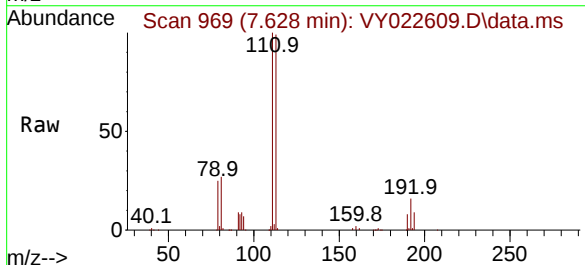
Instrument :
MSVOA_Y
ClientSampleId :
TP-S-VOC

Tgt Ion:114 Resp: 573231
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 13.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 47.891 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.013 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Tgt Ion:113 Resp: 163858
Ion Ratio Lower Upper
113 100
111 100.8 81.1 121.7
192 17.1 14.2 21.2

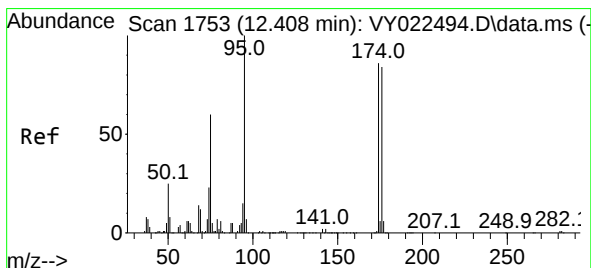
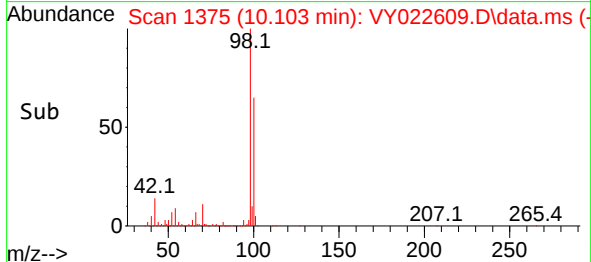
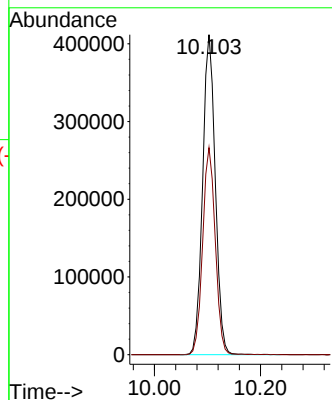
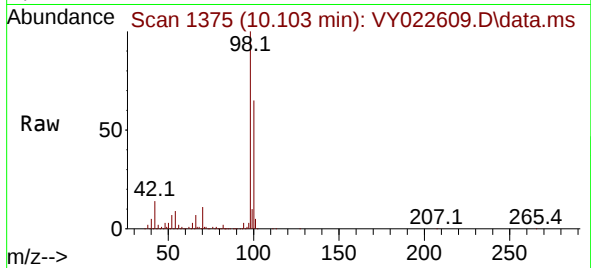




#50
Toluene-d8
Concen: 49.311 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

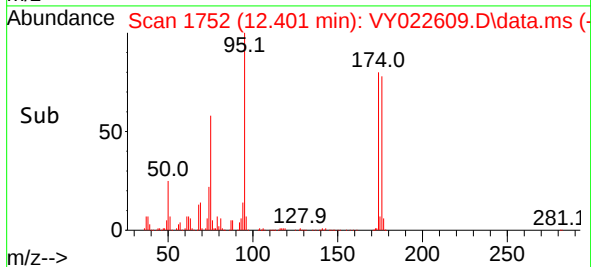
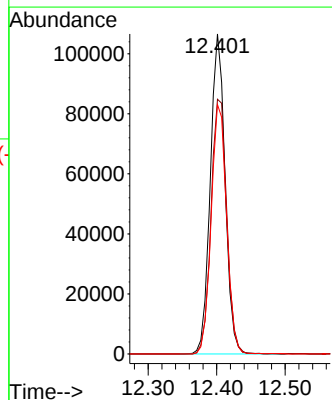
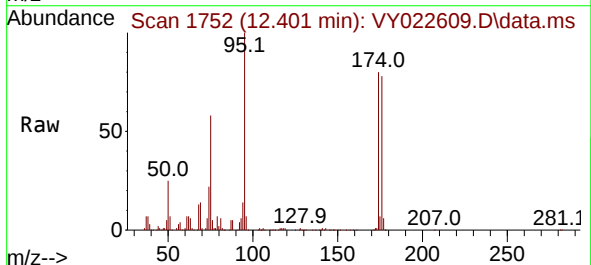
Instrument :
MSVOA_Y
ClientSampleId :
TP-S-VOC

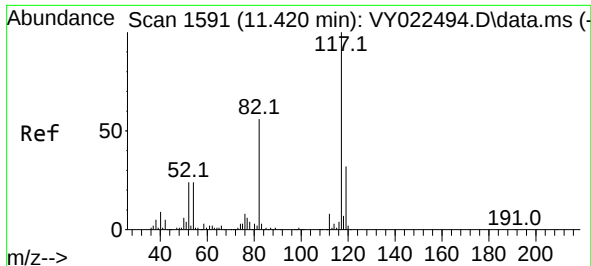
Tgt Ion: 98 Resp: 681720
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 38.822 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Tgt Ion: 95 Resp: 159916
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 81.2 0.0 166.2

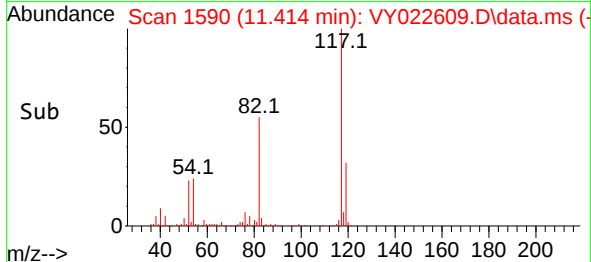
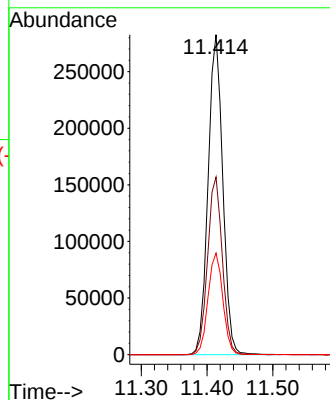
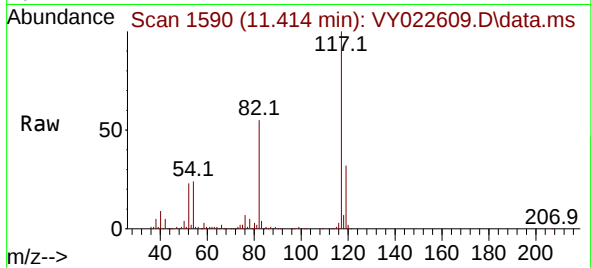




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Instrument :
MSVOA_Y
ClientSampleId :
TP-S-VOC

Tgt Ion:117 Resp: 438246
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.007 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Tgt Ion:152 Resp: 153705
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.7
150 157.4 0.0 349.6

