

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022566.D
 Acq On : 05 Jun 2025 11:59
 Operator : SY/MD
 Sample : Q2194-03
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-13

Quant Time: Jun 06 01:22:46 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	7.707	168	247001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	450574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	364195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	134019	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137113	49.632	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.260%
35) Dibromofluoromethane	7.628	113	134423	49.983	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.960%
50) Toluene-d8	10.103	98	546591	50.299	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.600%
62) 4-Bromofluorobenzene	12.402	95	136630	42.199	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.400%

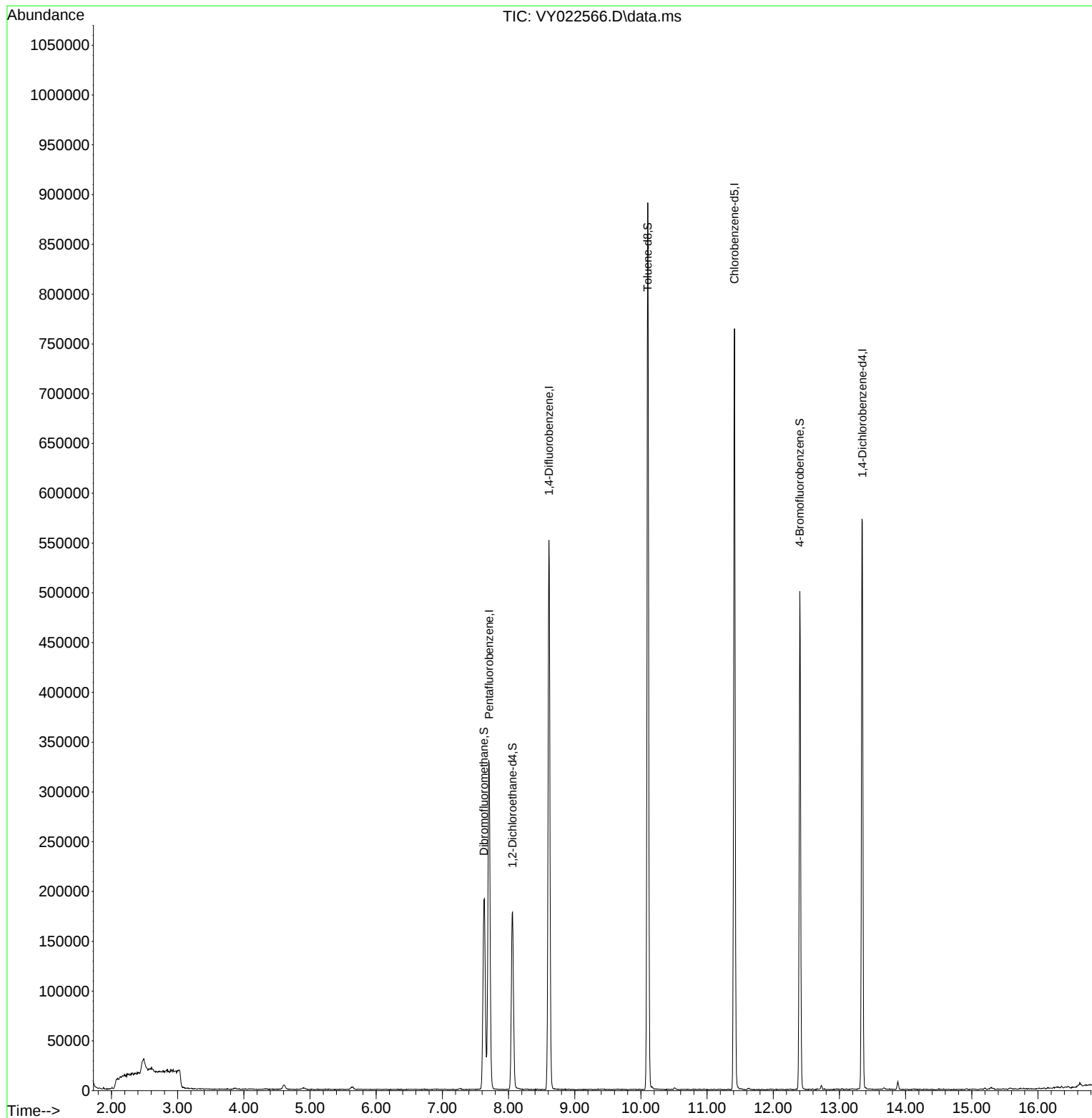
Target Compounds	Qvalue

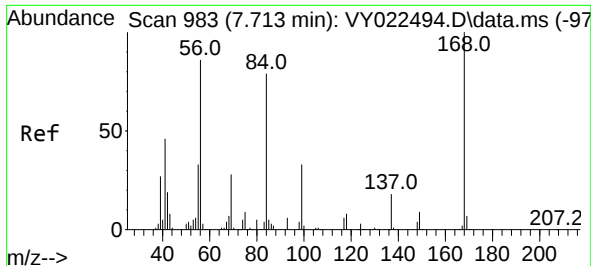
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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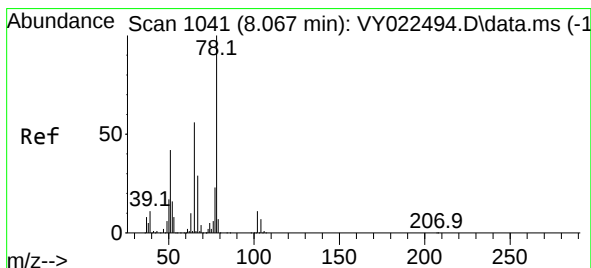
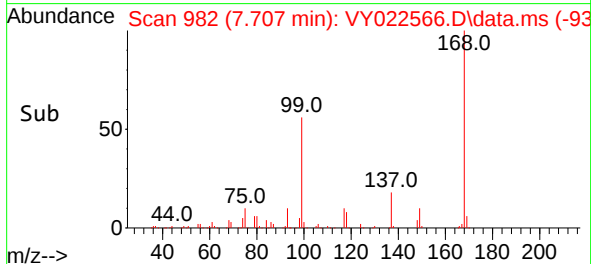
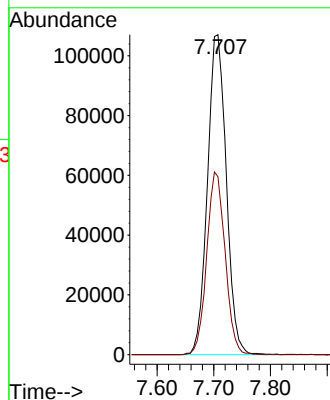
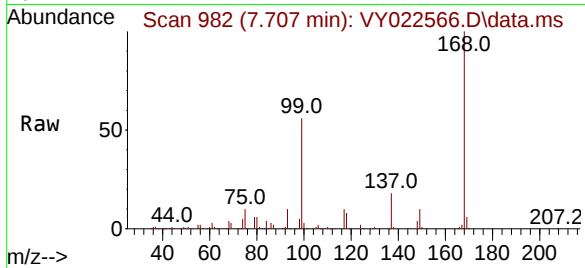




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

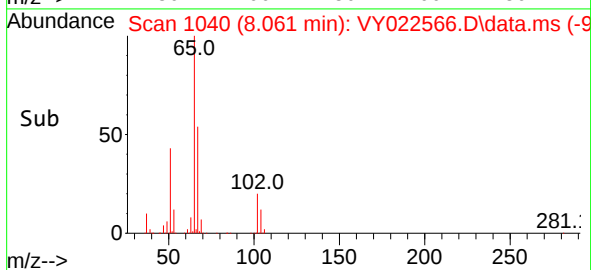
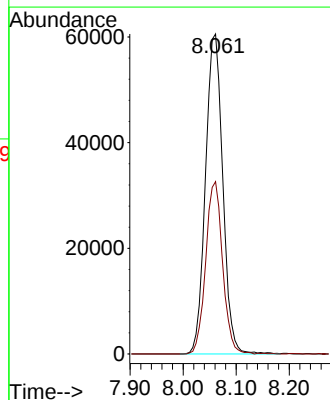
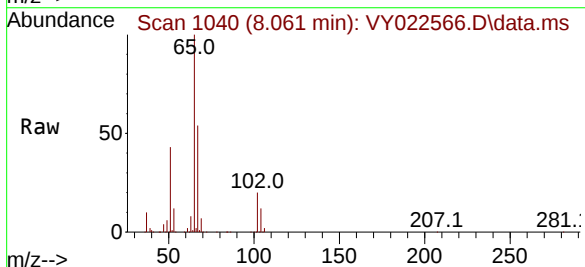
Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

Tgt Ion:168 Resp: 247001
Ion Ratio Lower Upper
168 100
99 55.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.632 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Tgt Ion: 65 Resp: 137113
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4

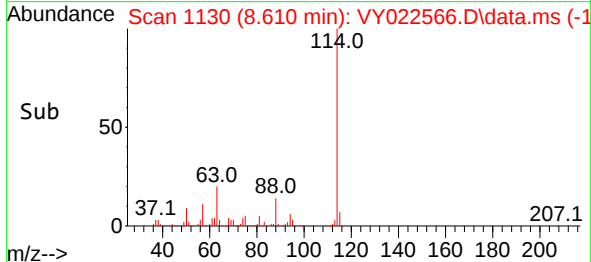
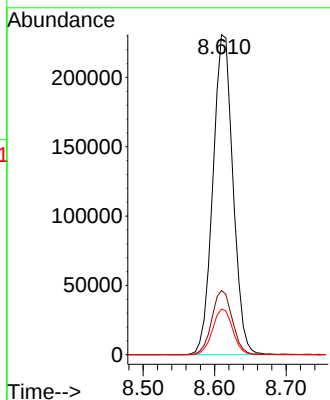
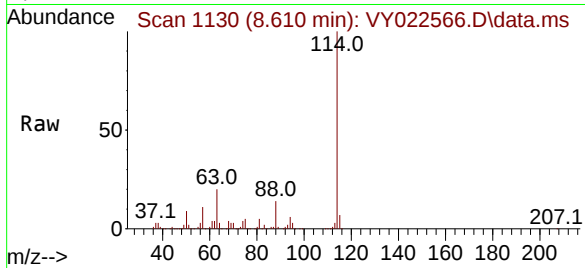




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

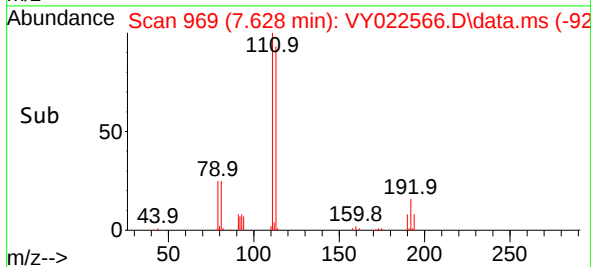
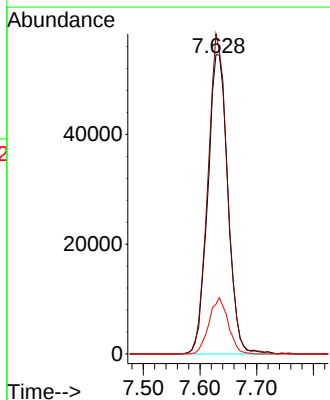
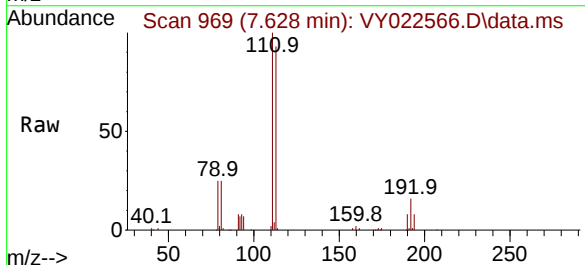
Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

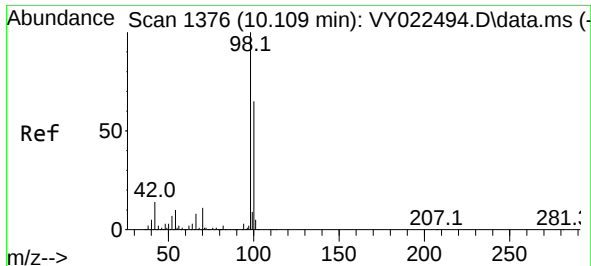
Tgt Ion:114 Resp: 450574
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 14.3 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.983 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Tgt Ion:113 Resp: 134423
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 17.9 14.2 21.2

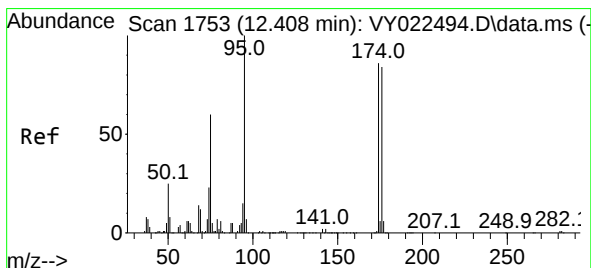
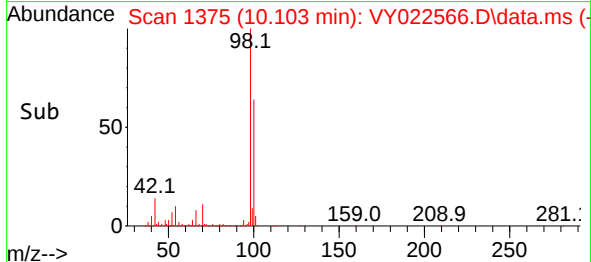
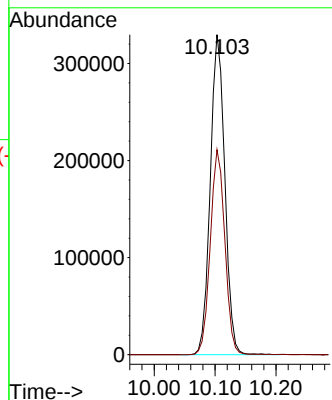
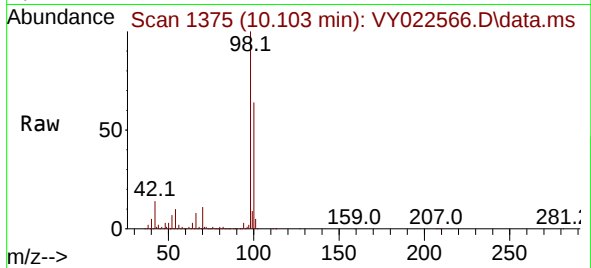




#50
Toluene-d8
Concen: 50.299 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

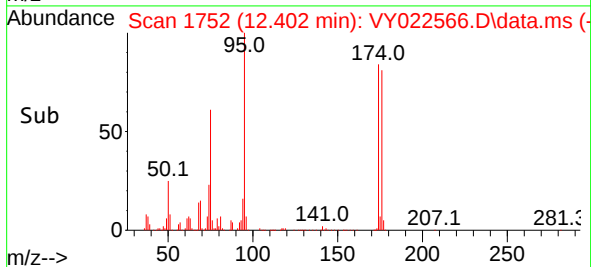
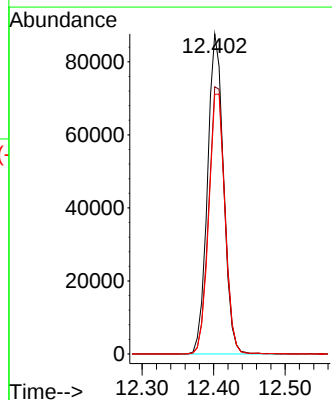
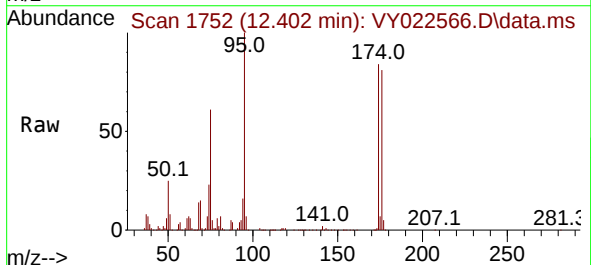
Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

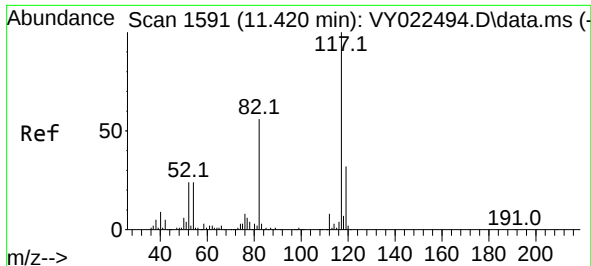
Tgt Ion: 98 Resp: 546591
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.199 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Tgt Ion: 95 Resp: 136630
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.0
176 82.0 0.0 166.2

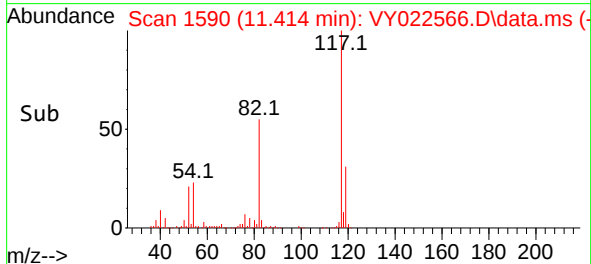
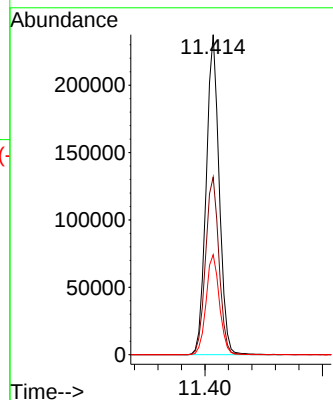
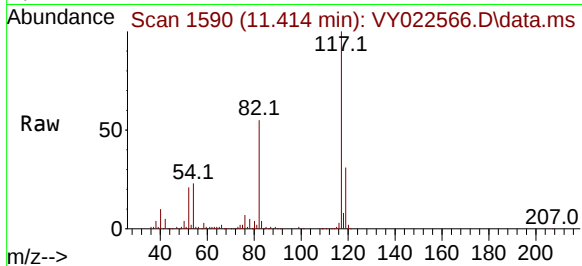




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

Tgt Ion:117 Resp: 364195
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Tgt Ion:152 Resp: 134019
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.7
150 156.8 0.0 349.6

