

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022548.D
 Acq On : 04 Jun 2025 14:13
 Operator : SY/MD
 Sample : Q2194-03
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-13

Quant Time: Jun 05 04:15:38 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	39177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	62447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	44233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	13734	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18632	42.522	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.040%
35) Dibromofluoromethane	7.628	113	19154	51.388	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.780%
50) Toluene-d8	10.103	98	71429	47.427	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.860%
62) 4-Bromofluorobenzene	12.402	95	15783	35.172	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.340%

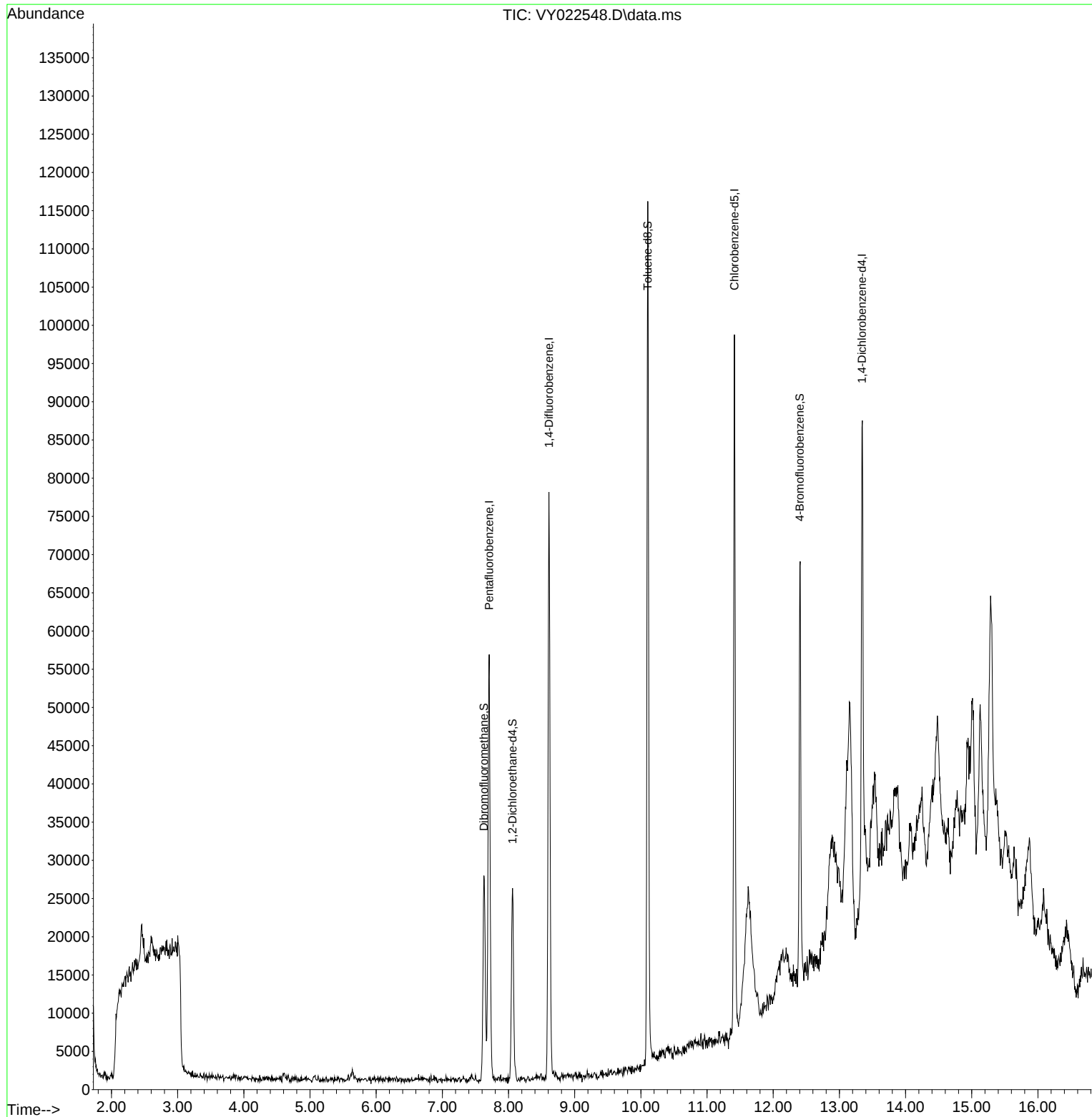
Target Compounds	Qvalue

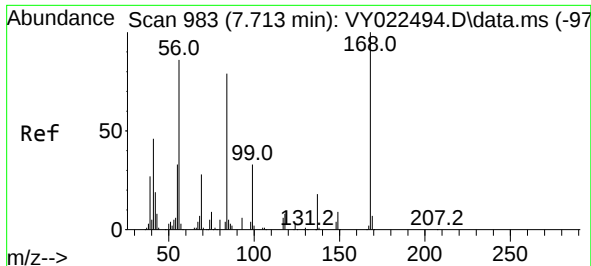
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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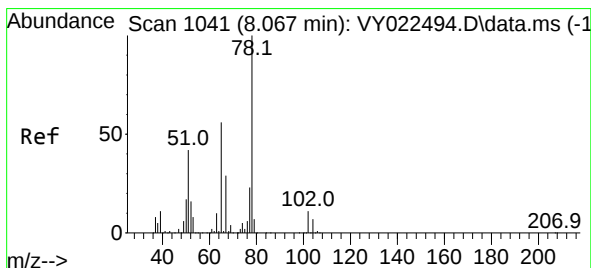
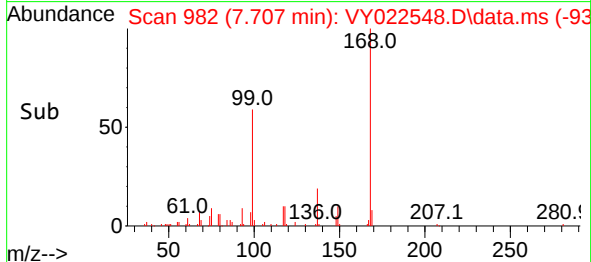
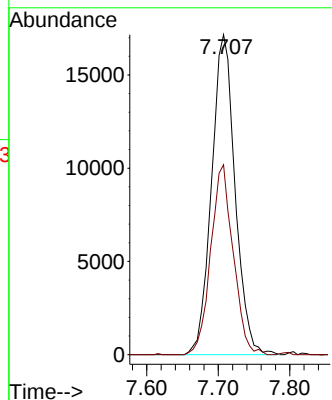
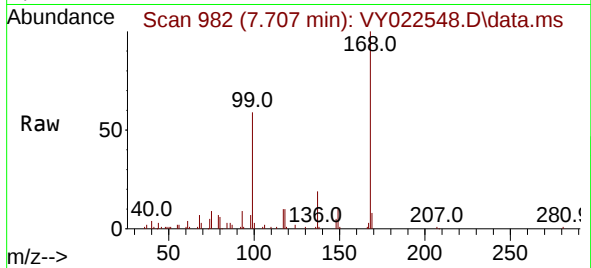




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022548.D
Acq: 04 Jun 2025 14:13

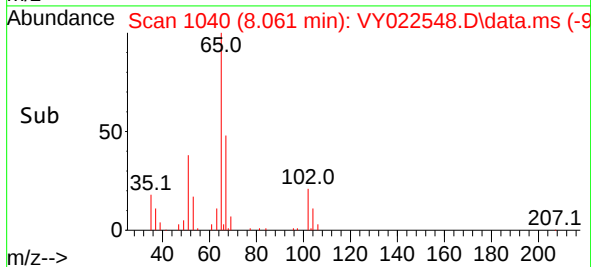
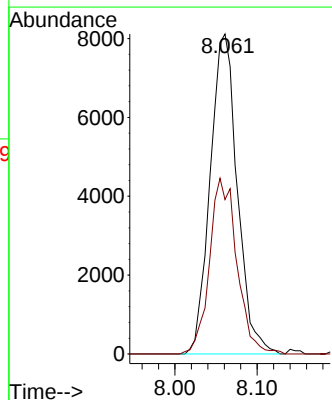
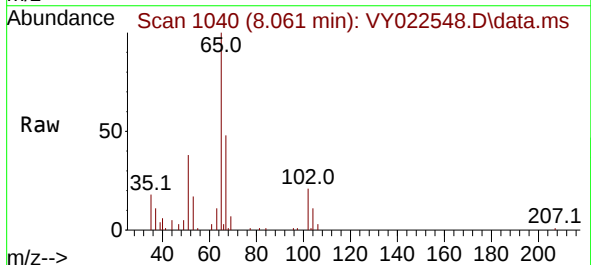
Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

Tgt Ion:168 Resp: 39177
Ion Ratio Lower Upper
168 100
99 59.4 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 42.522 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022548.D
Acq: 04 Jun 2025 14:13

Tgt Ion: 65 Resp: 18632
Ion Ratio Lower Upper
65 100
67 55.4 0.0 103.4

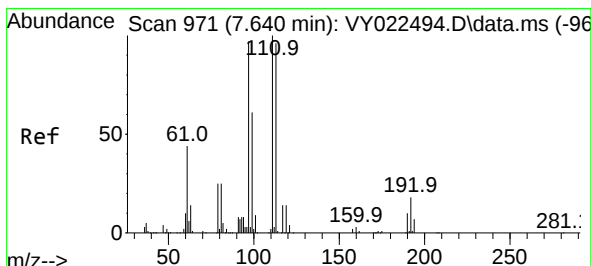
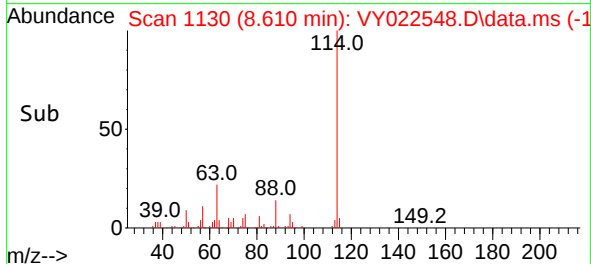
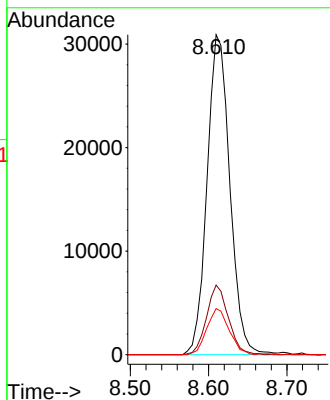
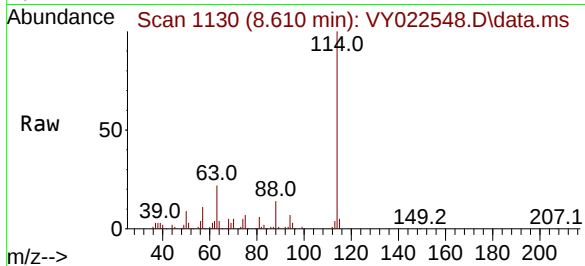




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022548.D
Acq: 04 Jun 2025 14:13

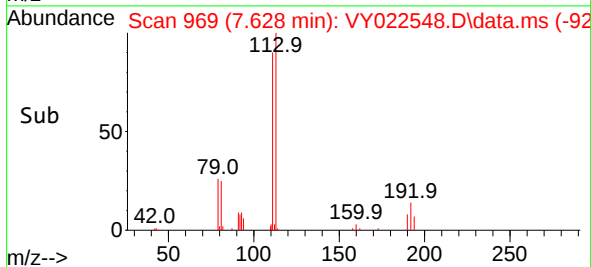
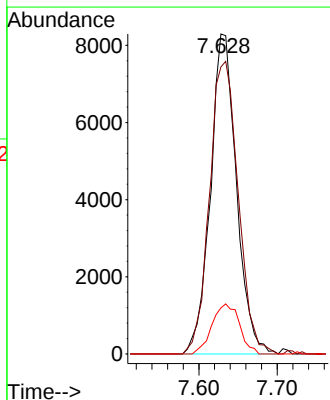
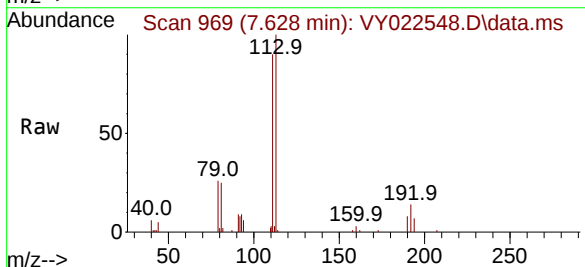
Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

Tgt Ion:114	Resp:	62447
Ion Ratio	Lower	Upper
114	100	
63	21.7	0.0 40.8
88	14.4	0.0 27.8



#35
Dibromofluoromethane
Concen: 51.388 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022548.D
Acq: 04 Jun 2025 14:13

Tgt Ion:113	Resp:	19154
Ion Ratio	Lower	Upper
113	100	
111	100.8	81.1 121.7
192	16.4	14.2 21.2

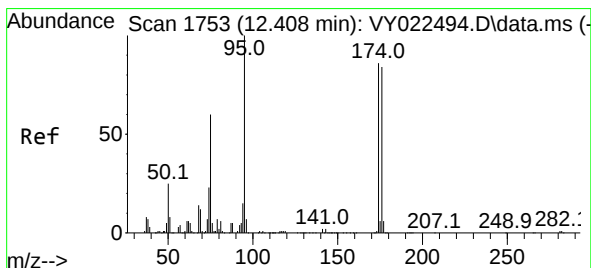
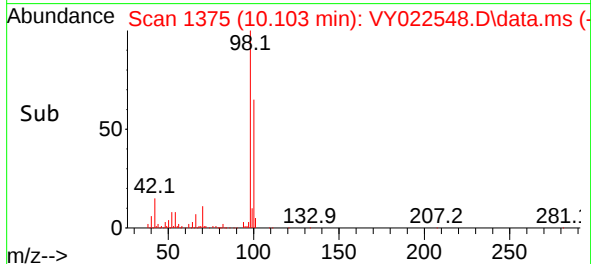
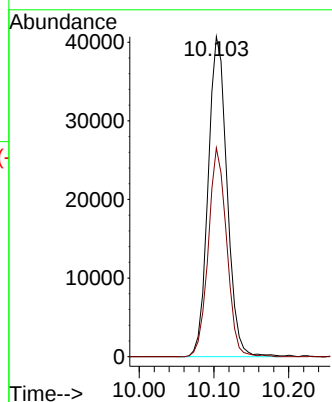
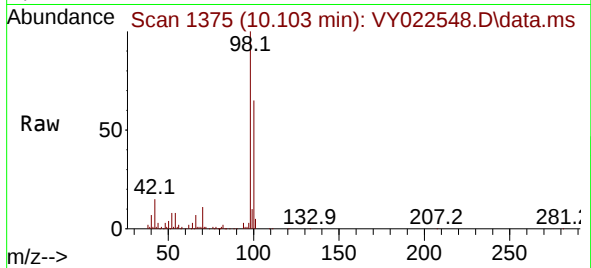




#50
Toluene-d8
Concen: 47.427 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022548.D
Acq: 04 Jun 2025 14:13

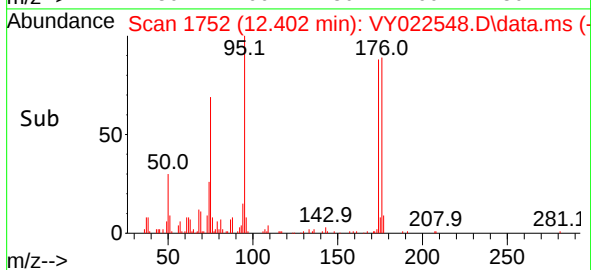
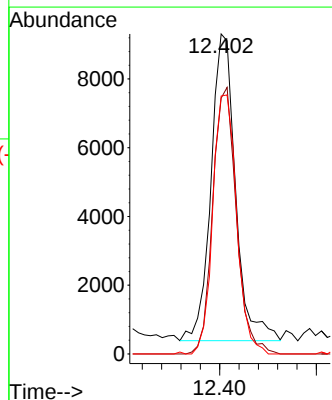
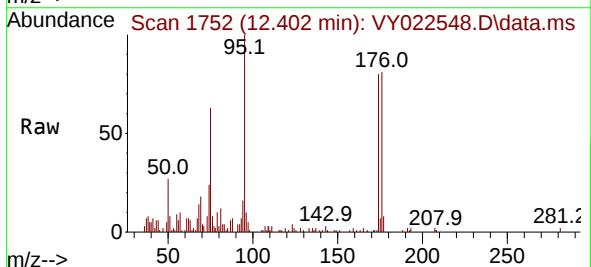
Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

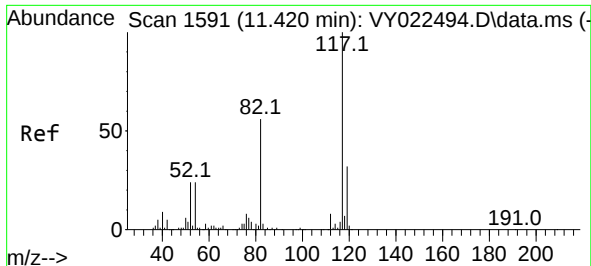
Tgt Ion: 98 Resp: 71429
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 35.172 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022548.D
Acq: 04 Jun 2025 14:13

Tgt Ion: 95 Resp: 15783
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.0
176 81.6 0.0 166.2

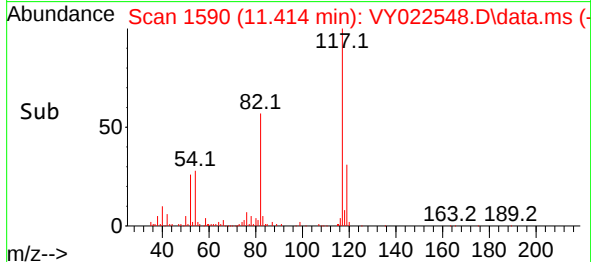
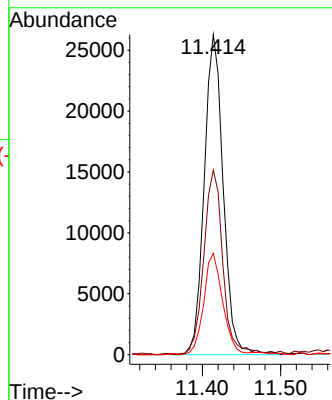
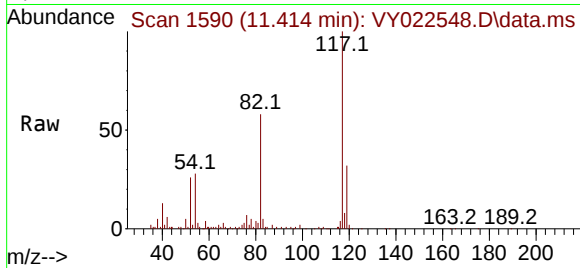




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022548.D
Acq: 04 Jun 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

Tgt Ion:117 Resp: 44233
Ion Ratio Lower Upper
117 100
82 57.4 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. -0.006 min
Lab File: VY022548.D
Acq: 04 Jun 2025 14:13

Tgt Ion:152 Resp: 13734
Ion Ratio Lower Upper
152 100
115 59.3 28.9 86.7
150 162.5 0.0 349.6

