

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022706.D
 Acq On : 16 Jun 2025 14:59
 Operator : SY/MD
 Sample : Q2305-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-06122025RE

Quant Time: Jun 17 05:54:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	10768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	16222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	8470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1790	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3350	27.816	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	55.640%
35) Dibromofluoromethane	7.634	113	3133	32.357	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	64.720%
50) Toluene-d8	10.109	98	15982	40.850	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.700%
62) 4-Bromofluorobenzene	12.408	95	2214	18.993	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.980%

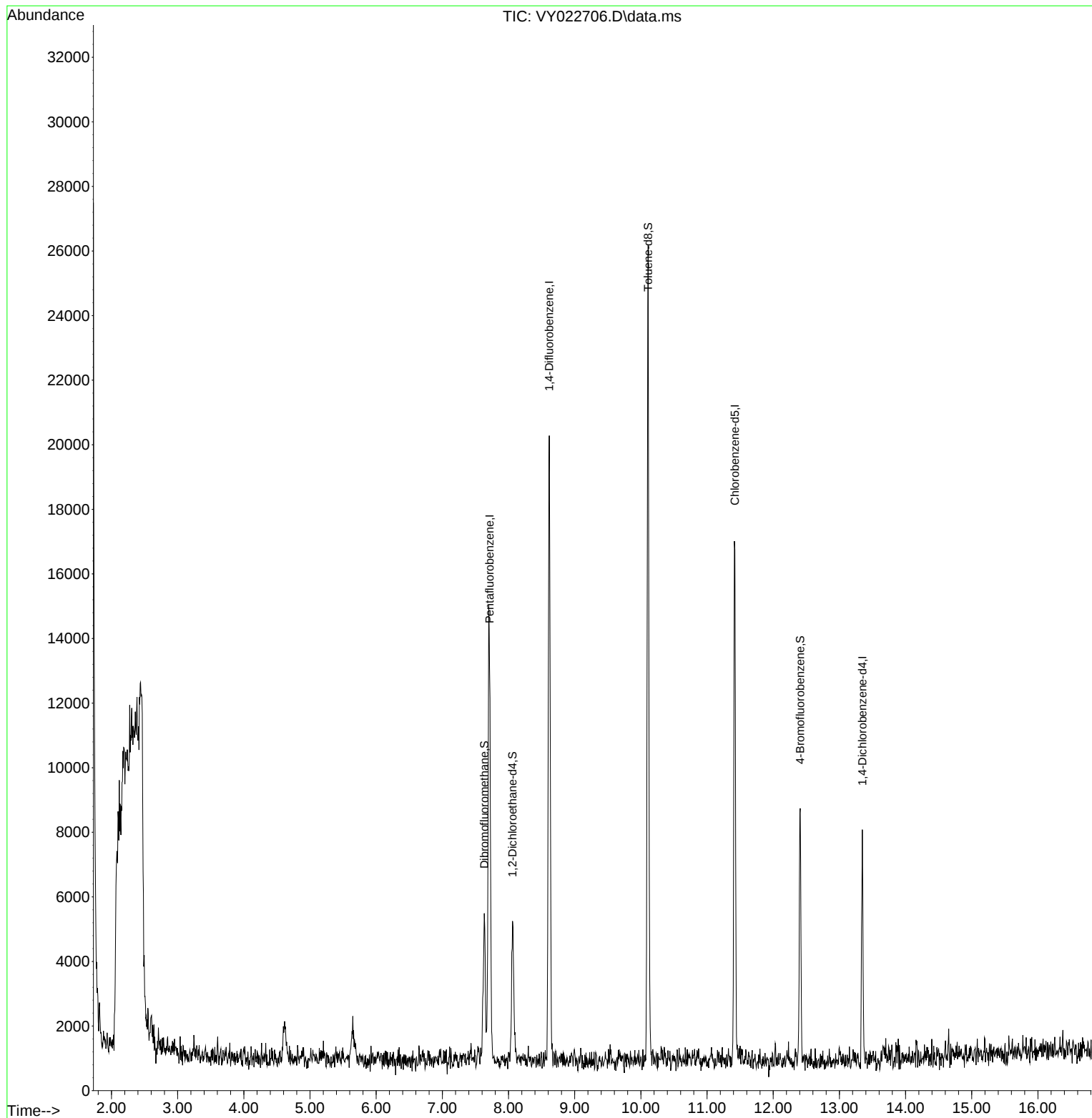
Target Compounds	Qvalue

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

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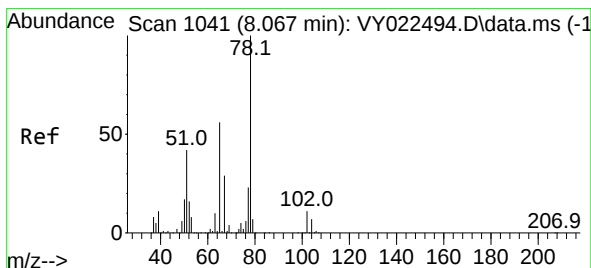
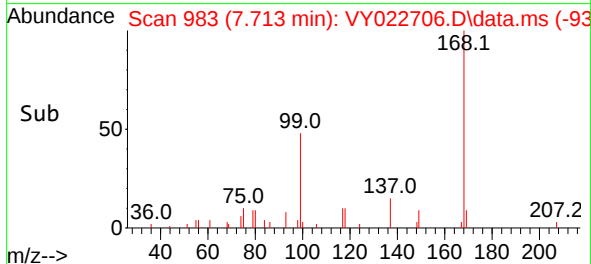
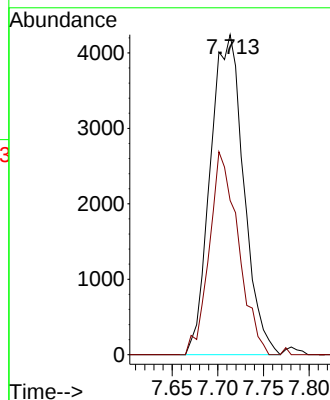
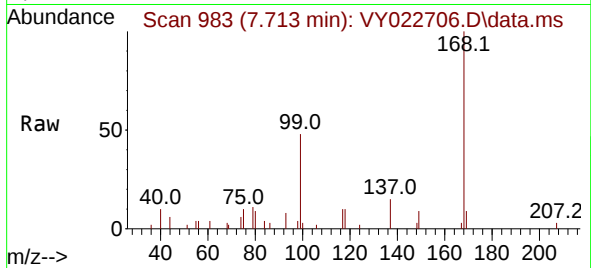




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

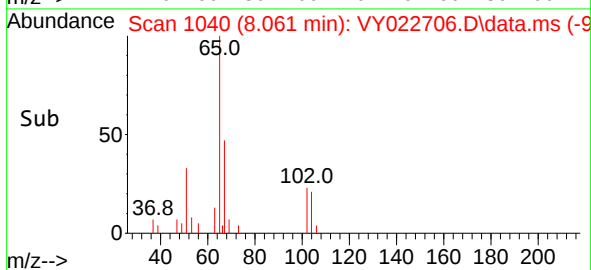
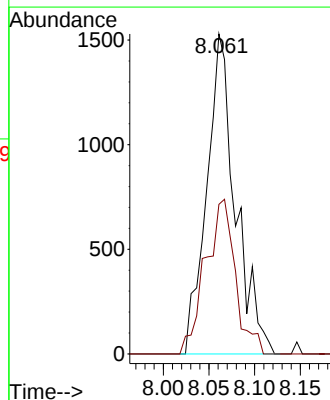
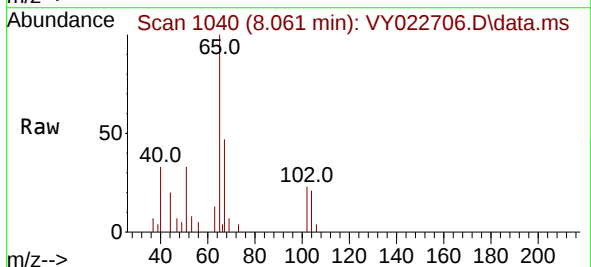
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

Tgt Ion:168 Resp: 10768
Ion Ratio Lower Upper
168 100
99 48.2 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 27.816 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion: 65 Resp: 3350
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.4

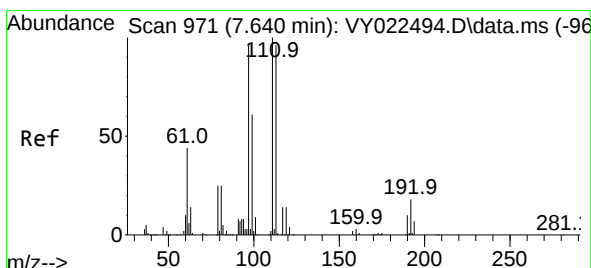
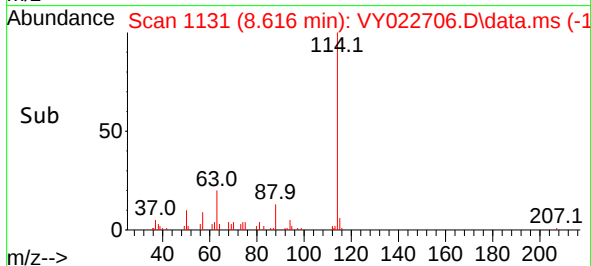
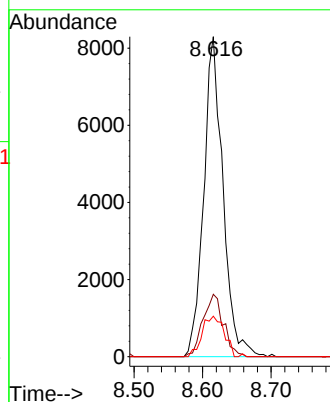
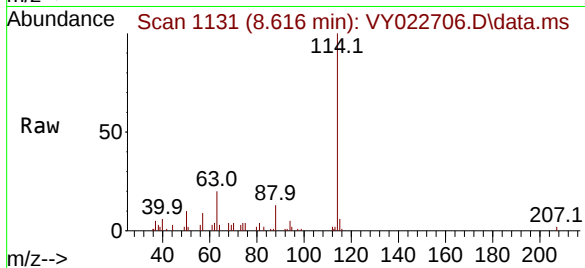




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

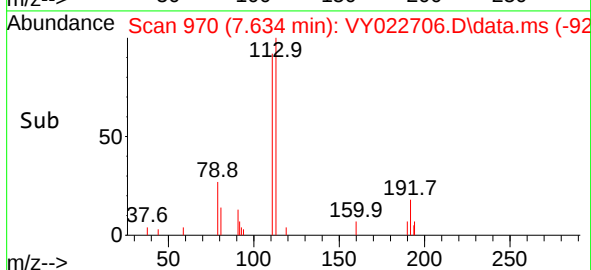
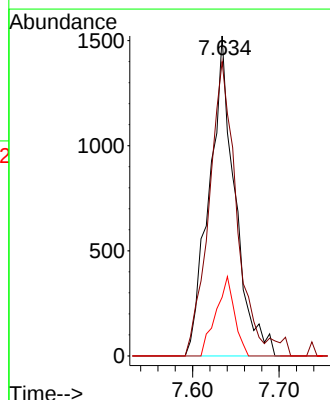
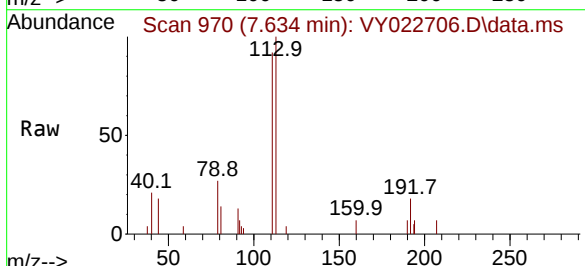
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

Tgt Ion:	114	Resp:	16222
Ion Ratio	Lower	Upper	
114	100		
63	19.5	0.0	40.8
88	12.7	0.0	27.8



#35
Dibromofluoromethane
Concen: 32.357 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion:	113	Resp:	3133
Ion Ratio	Lower	Upper	
113	100		
111	97.5	81.1	121.7
192	17.9	14.2	21.2

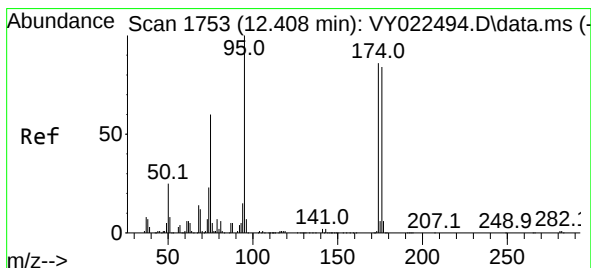
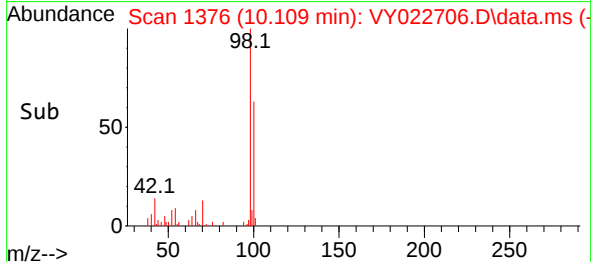
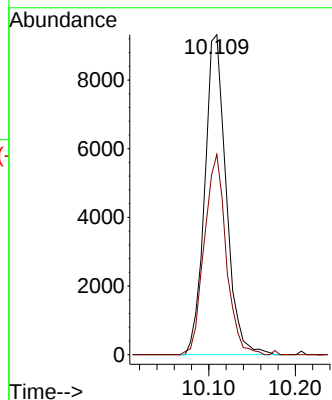
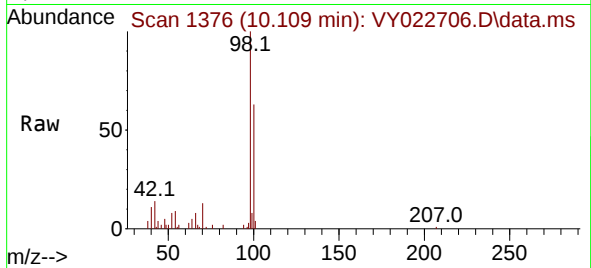




#50
Toluene-d8
Concen: 40.850 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

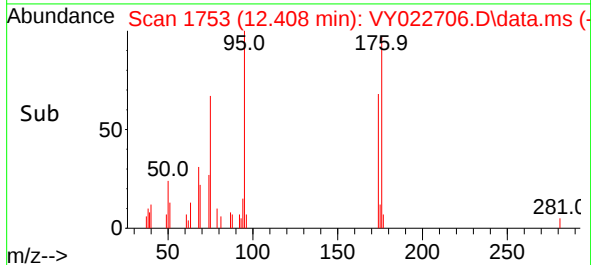
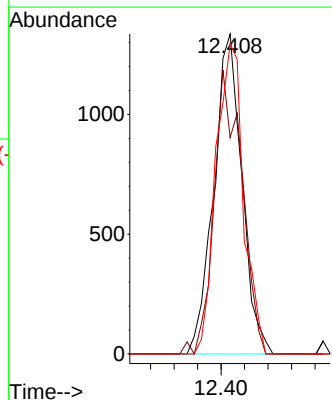
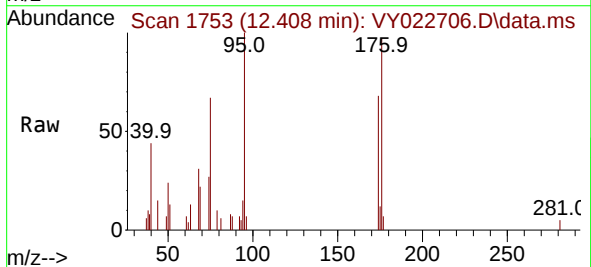
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

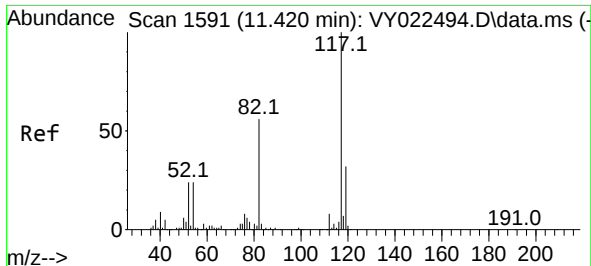
Tgt Ion: 98 Resp: 15982
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 18.993 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion: 95 Resp: 2214
Ion Ratio Lower Upper
95 100
174 88.6 0.0 170.0
176 95.0 0.0 166.2

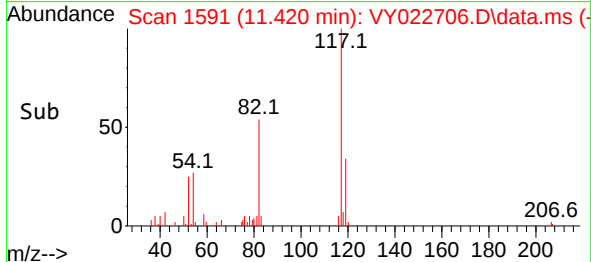
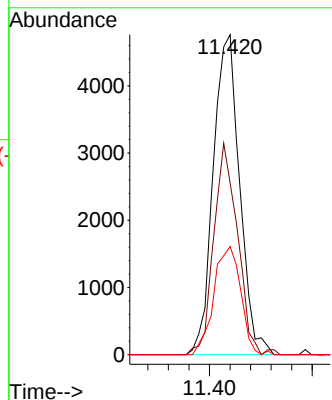
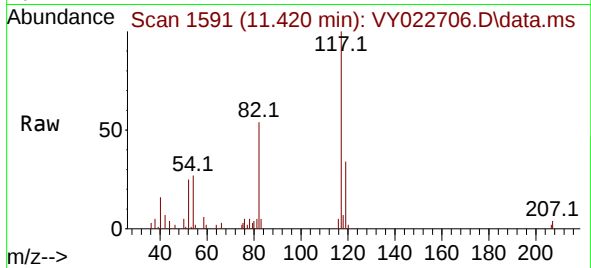




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

Tgt Ion:	117	Resp:	8470
Ion Ratio	Lower	Upper	
117	100		
82	53.7	44.6	66.8
119	33.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion:	152	Resp:	1790
Ion Ratio	Lower	Upper	
152	100		
115	57.8	28.9	86.7
150	146.4	0.0	349.6

