

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042525\
 Data File : VY022018.D
 Acq On : 25 Apr 2025 18:59
 Operator : SY/MD
 Sample : Q1883-15
 Misc : 15.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-19-042325

Quant Time: Apr 25 22:58:08 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	350833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	682764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	620936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245994	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	189295	58.414	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.820%
35) Dibromofluoromethane	7.634	113	231894	51.410	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.820%
50) Toluene-d8	10.103	98	820827	48.269	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.540%
62) 4-Bromofluorobenzene	12.402	95	240738	42.053	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.100%

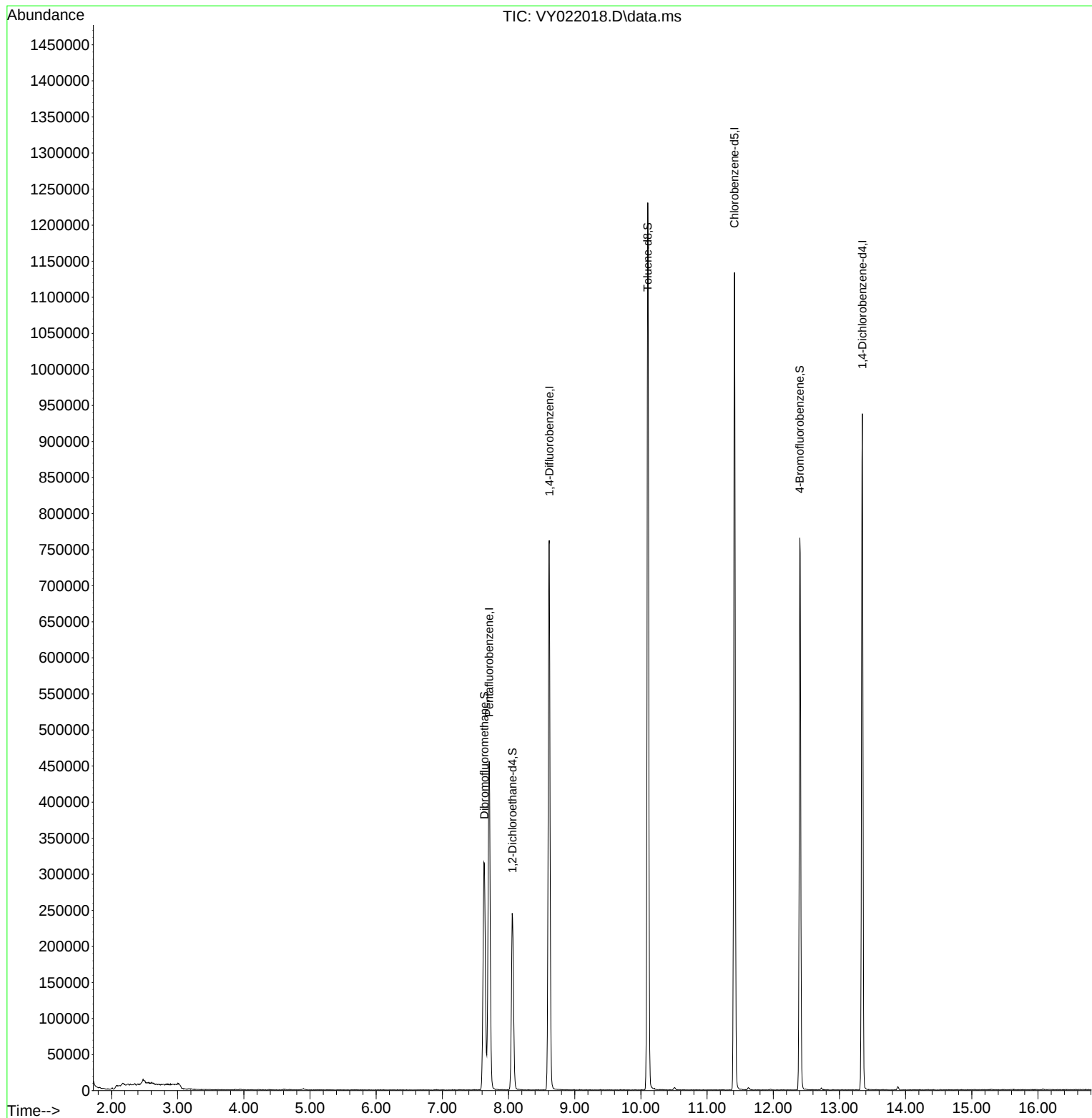
Target Compounds	Qvalue

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

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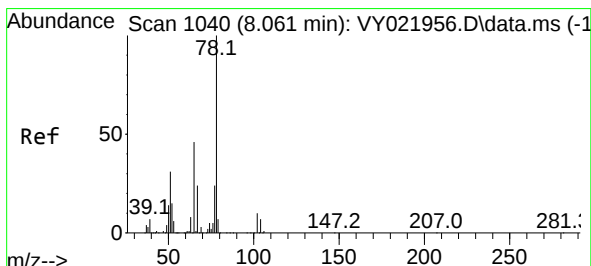
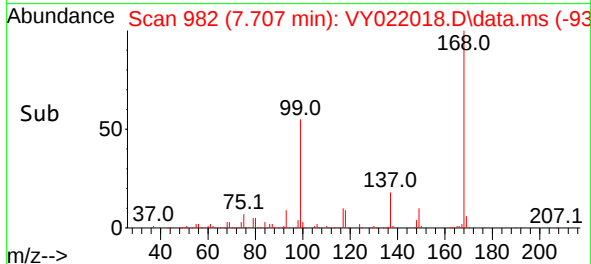
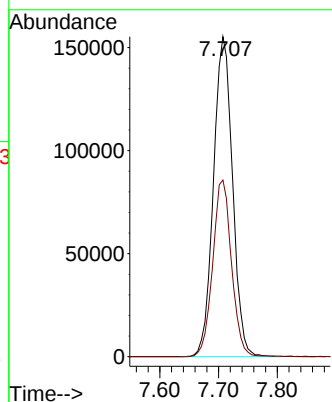
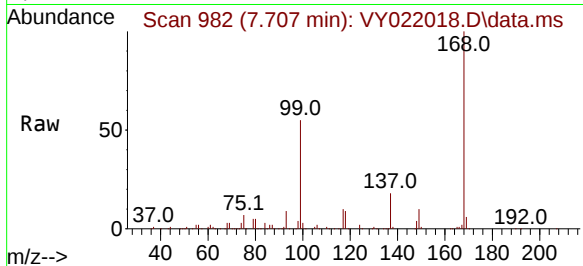




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022018.D
Acq: 25 Apr 2025 18:59

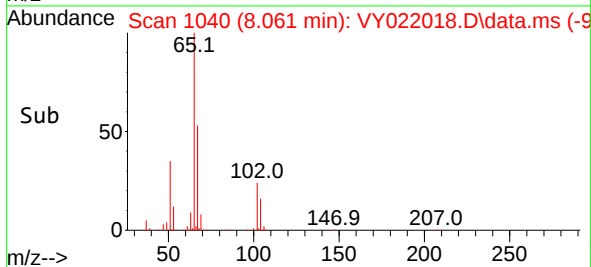
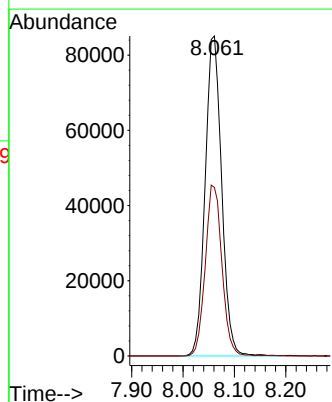
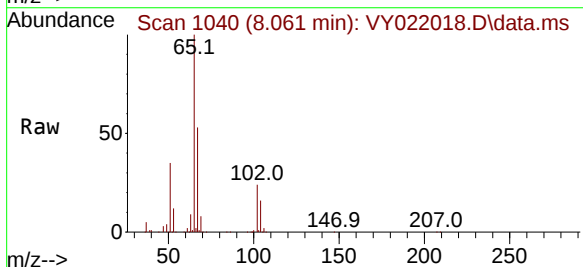
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion:168 Resp: 350833
Ion Ratio Lower Upper
168 100
99 55.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 58.414 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022018.D
Acq: 25 Apr 2025 18:59

Tgt Ion: 65 Resp: 189295
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022018.D

Acq: 25 Apr 2025 18:59

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-19-042325

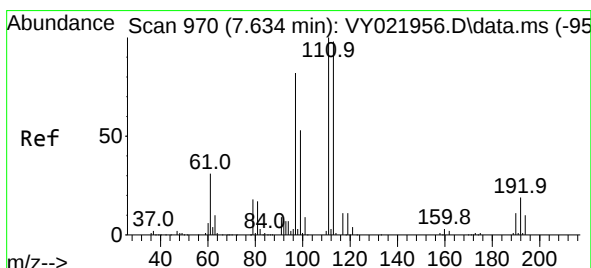
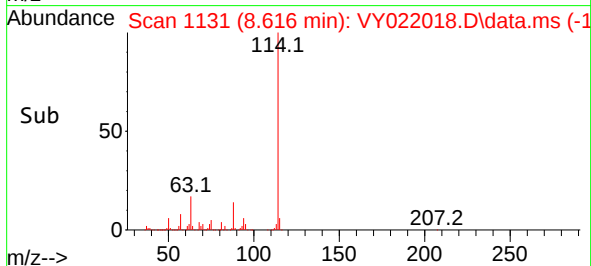
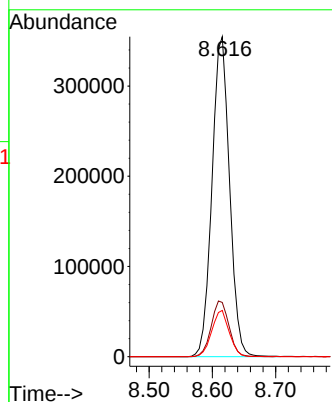
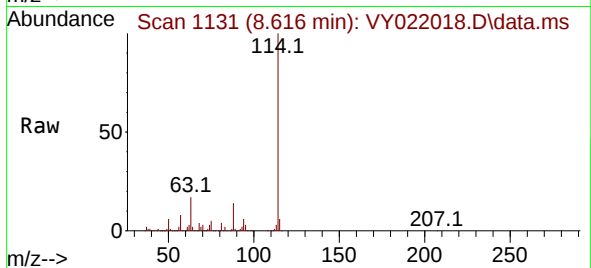
Tgt Ion:114 Resp: 682764

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.410 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022018.D

Acq: 25 Apr 2025 18:59

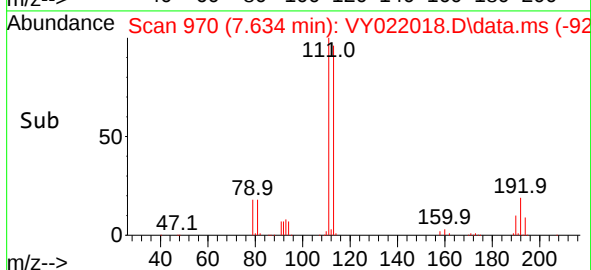
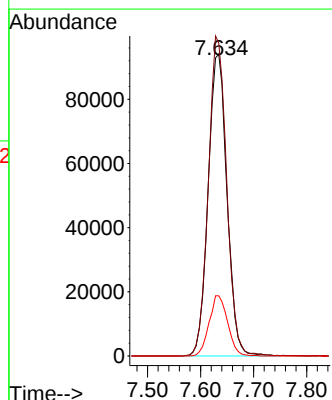
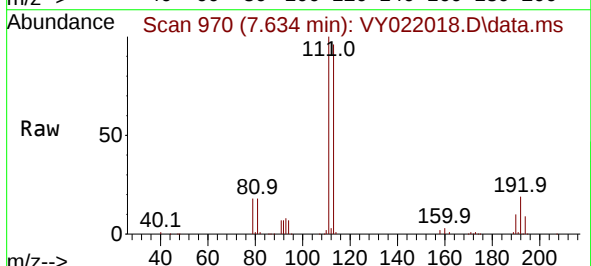
Tgt Ion:113 Resp: 231894

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

192 19.6 15.6 23.4

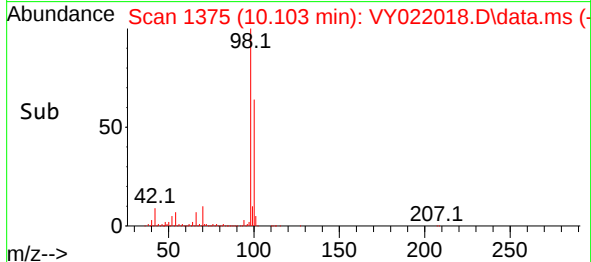
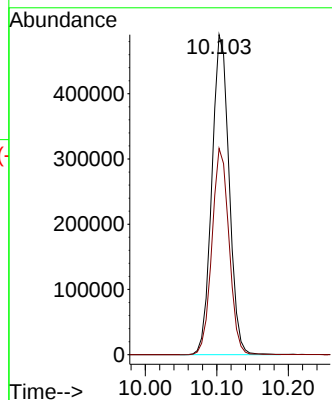
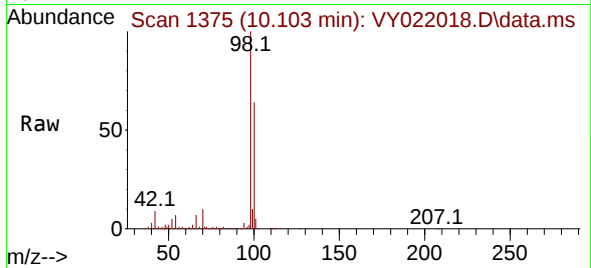




#50
Toluene-d8
Concen: 48.269 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022018.D
Acq: 25 Apr 2025 18:59

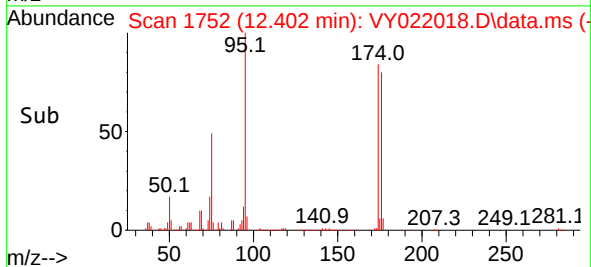
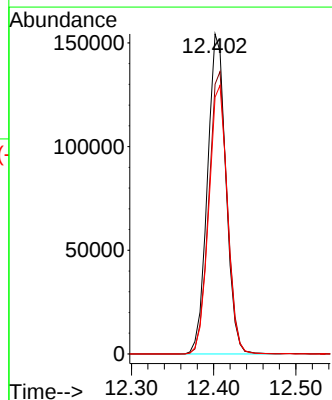
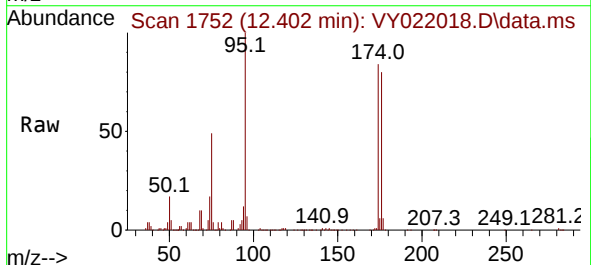
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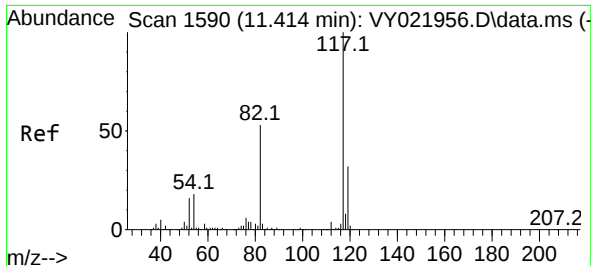
Tgt Ion: 98 Resp: 820827
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.053 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY022018.D
Acq: 25 Apr 2025 18:59

Tgt Ion: 95 Resp: 240738
Ion Ratio Lower Upper
95 100
174 88.3 0.0 179.0
176 84.6 0.0 171.8

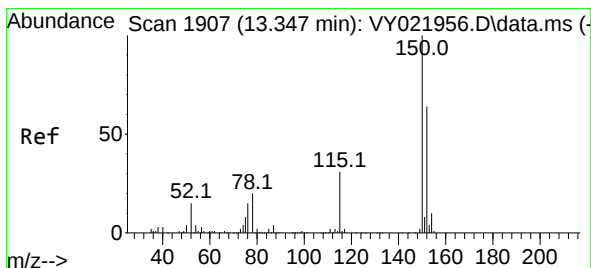
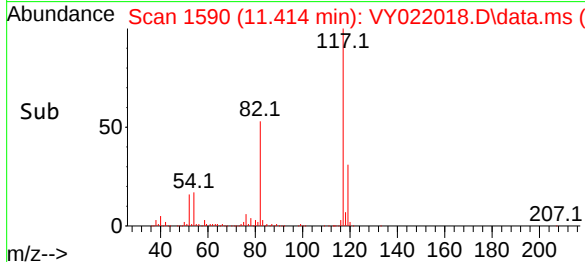
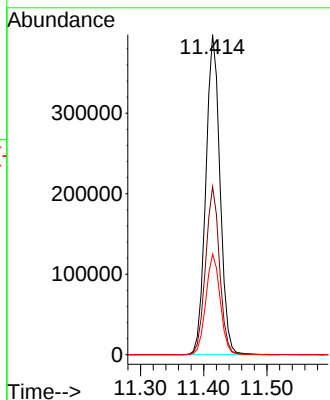
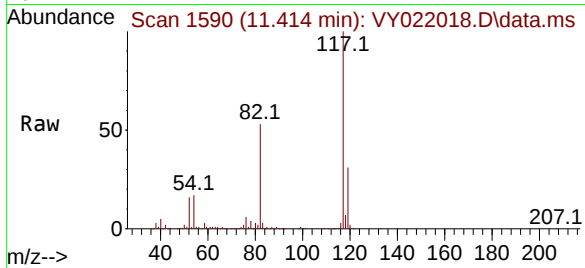




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022018.D
Acq: 25 Apr 2025 18:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion:117 Resp: 620936
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022018.D
Acq: 25 Apr 2025 18:59

Tgt Ion:152 Resp: 245994
Ion Ratio Lower Upper
152 100
115 56.8 28.0 84.0
150 155.6 0.0 345.6

