

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023001.D
 Acq On : 18 Jul 2025 16:38
 Operator : SY/MD
 Sample : Q2638-01
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-31-071725

Quant Time: Jul 19 02:12:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	302244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	526087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	498879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	222460	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	189064	61.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.580%
35) Dibromofluoromethane	7.634	113	167262	50.121	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.240%
50) Toluene-d8	10.103	98	623623	47.123	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.240%
62) 4-Bromofluorobenzene	12.402	95	220966	53.043	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.080%

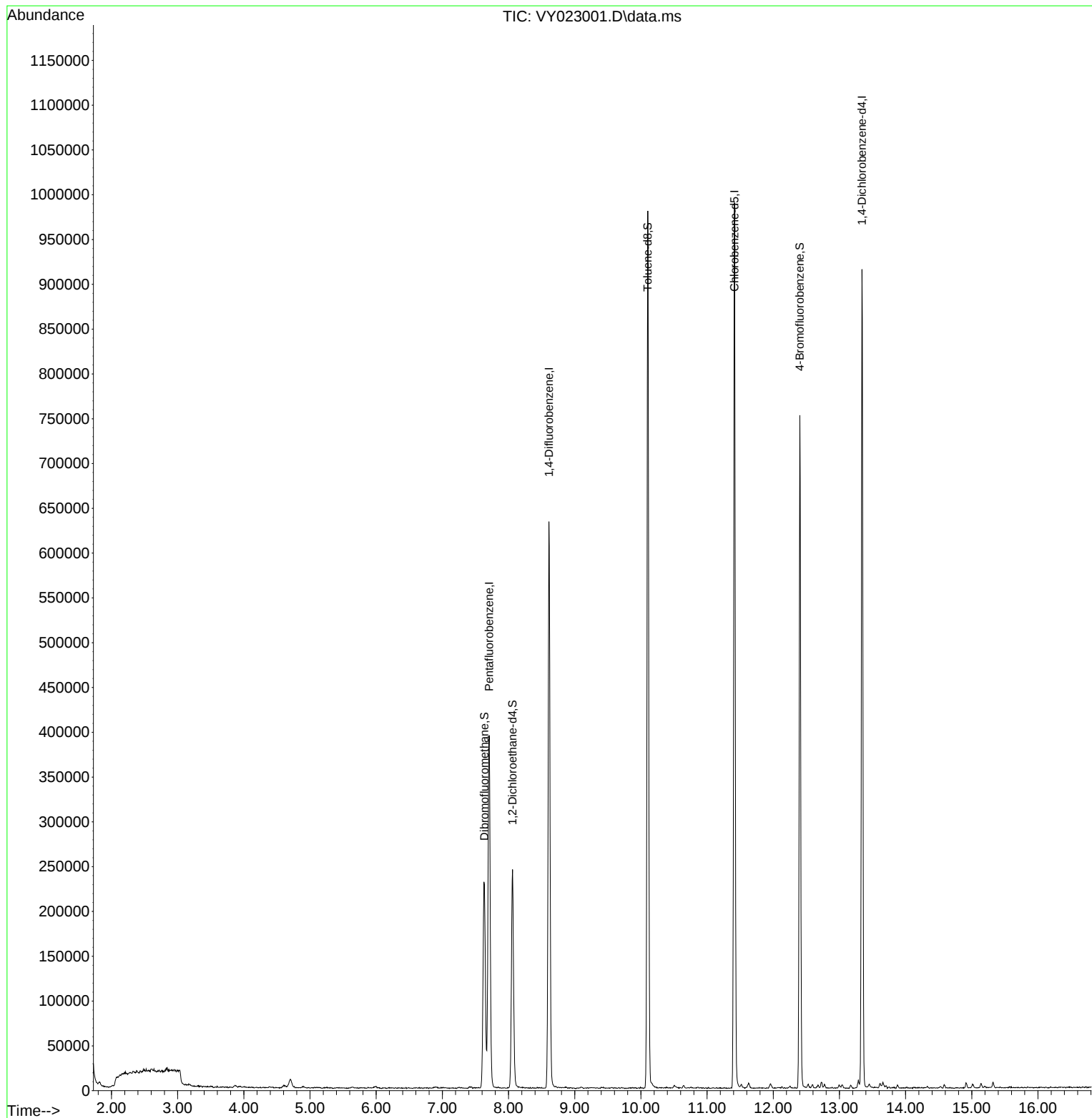
Target Compounds	Qvalue

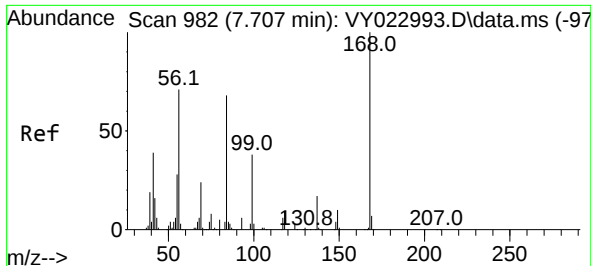
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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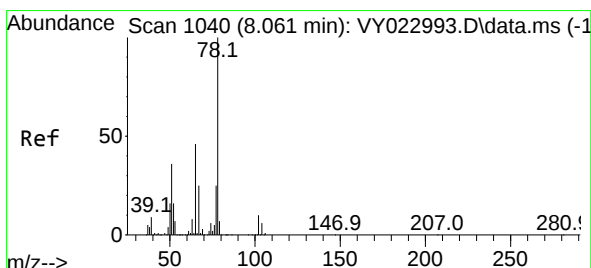
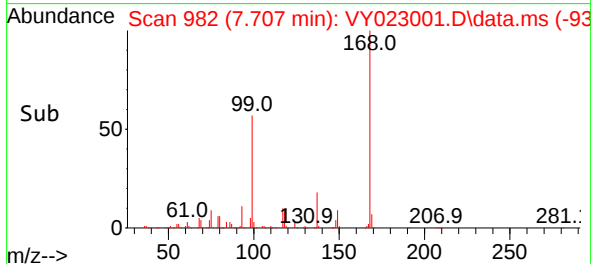
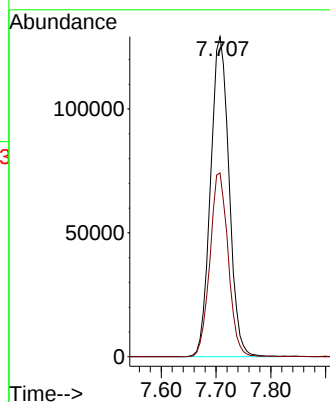
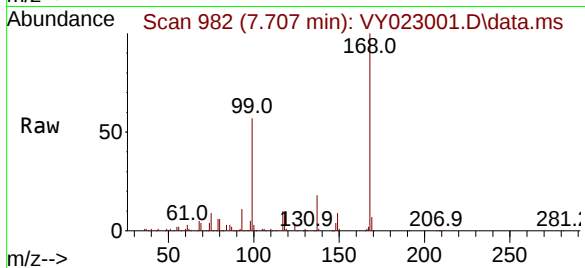




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

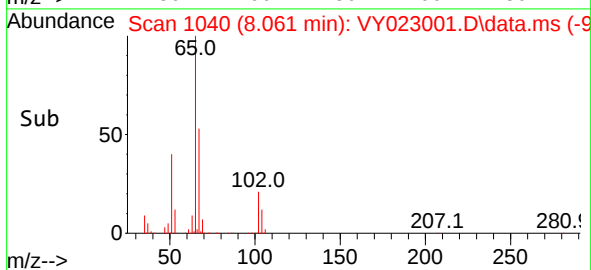
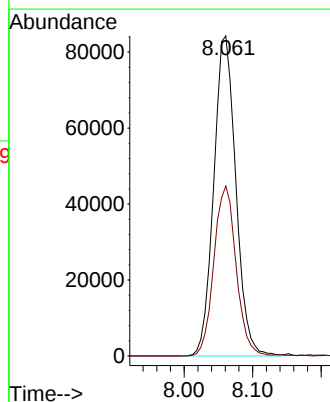
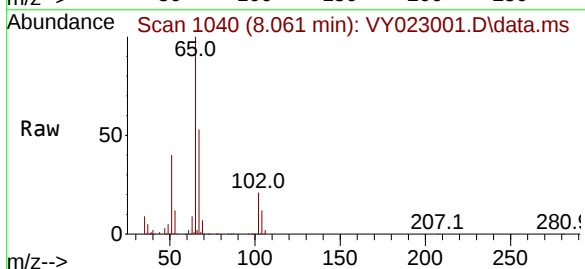
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-31-071725

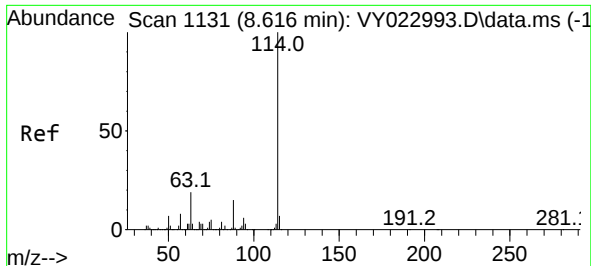
Tgt Ion:168 Resp: 302244
Ion Ratio Lower Upper
168 100
99 57.4 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 61.791 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

Tgt Ion: 65 Resp: 189064
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023001.D

Acq: 18 Jul 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-31-071725

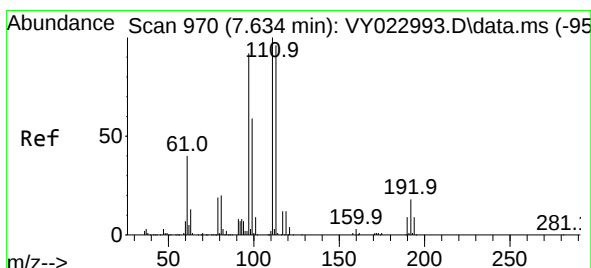
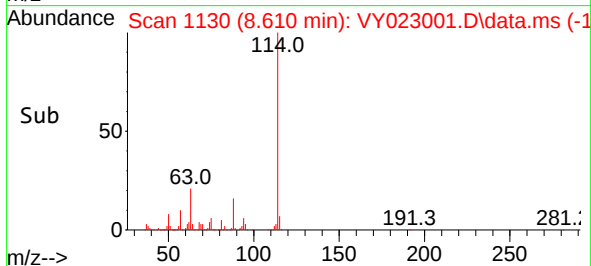
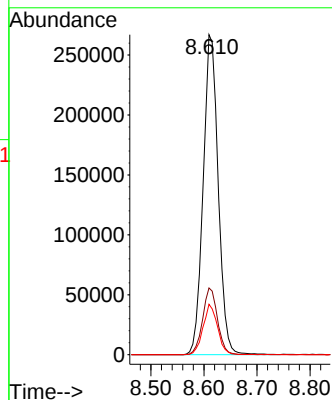
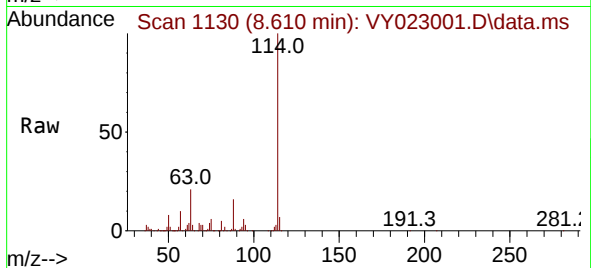
Tgt Ion:114 Resp: 526087

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.8

88 15.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.121 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023001.D

Acq: 18 Jul 2025 16:38

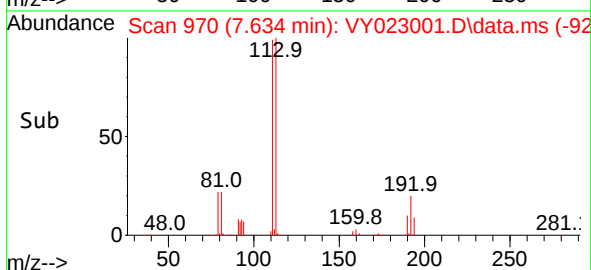
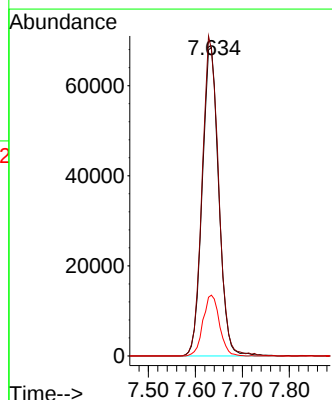
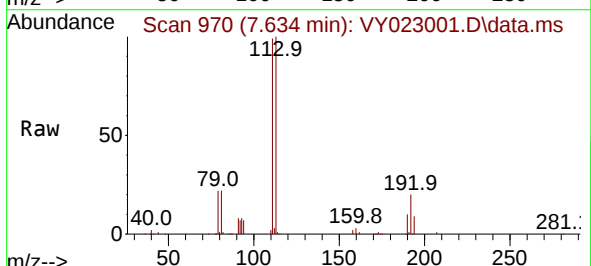
Tgt Ion:113 Resp: 167262

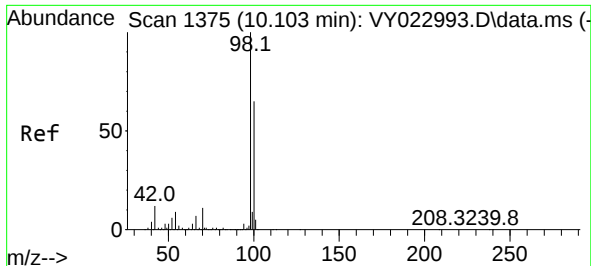
Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

192 19.6 15.3 22.9

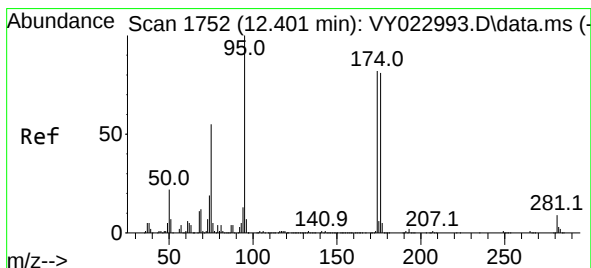
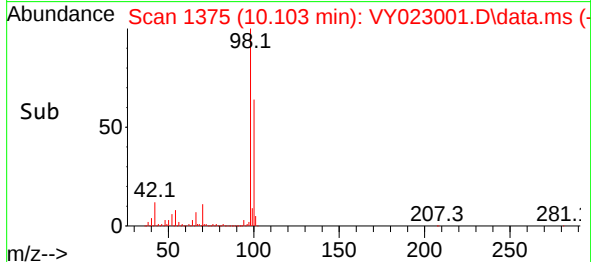
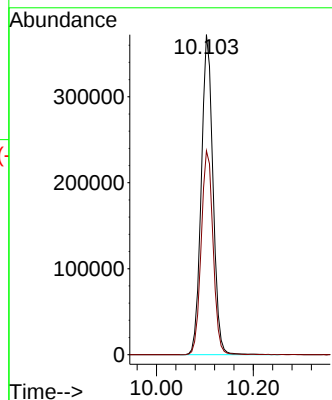
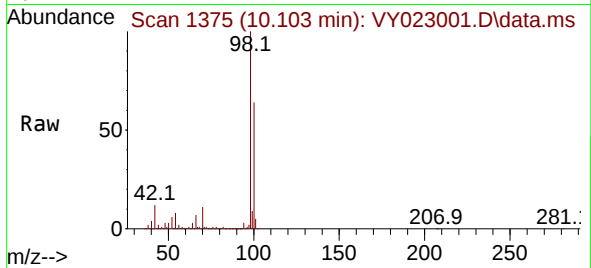




#50
Toluene-d8
Concen: 47.123 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

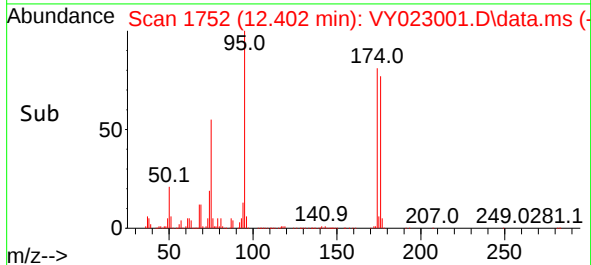
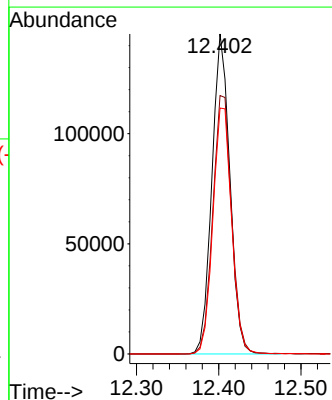
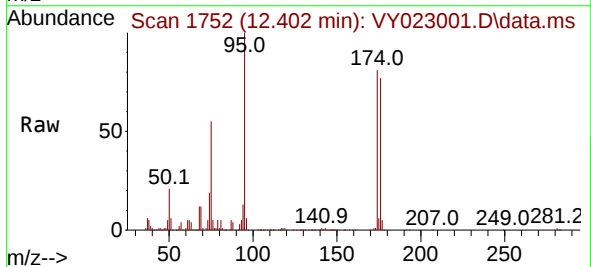
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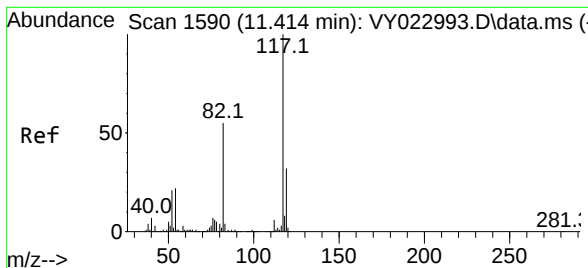
Tgt Ion: 98 Resp: 623623
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 53.043 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

Tgt Ion: 95 Resp: 220966
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.8
176 80.0 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023001.D

Acq: 18 Jul 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-31-071725

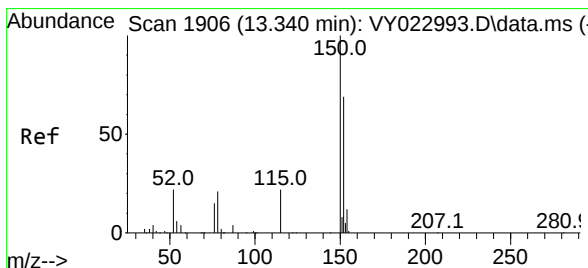
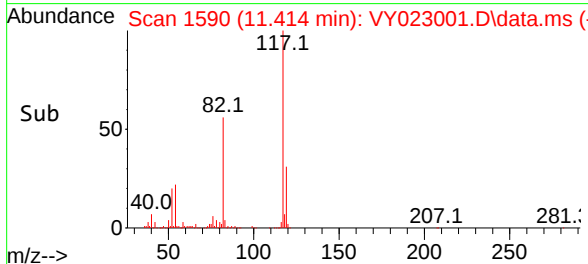
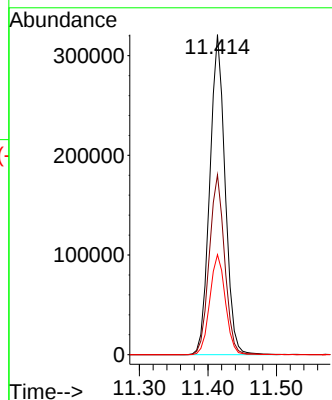
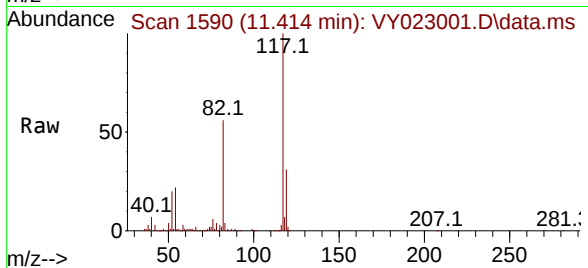
Tgt Ion:117 Resp: 498879

Ion Ratio Lower Upper

117 100

82 56.2 44.3 66.5

119 31.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023001.D

Acq: 18 Jul 2025 16:38

Tgt Ion:152 Resp: 222460

Ion Ratio Lower Upper

152 100

115 58.1 29.4 88.2

150 159.1 0.0 350.0

