

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023022.D
 Acq On : 21 Jul 2025 13:26
 Operator : SY/MD
 Sample : Q2639-11
 Misc : 4.71g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-43-071725

Quant Time: Jul 22 04:50:51 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	283323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	535446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	514282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	206482	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	178844	62.355	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.700%
35) Dibromofluoromethane	7.634	113	173240	51.005	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.020%
50) Toluene-d8	10.103	98	650773	48.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.401	95	216841	51.142	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.280%

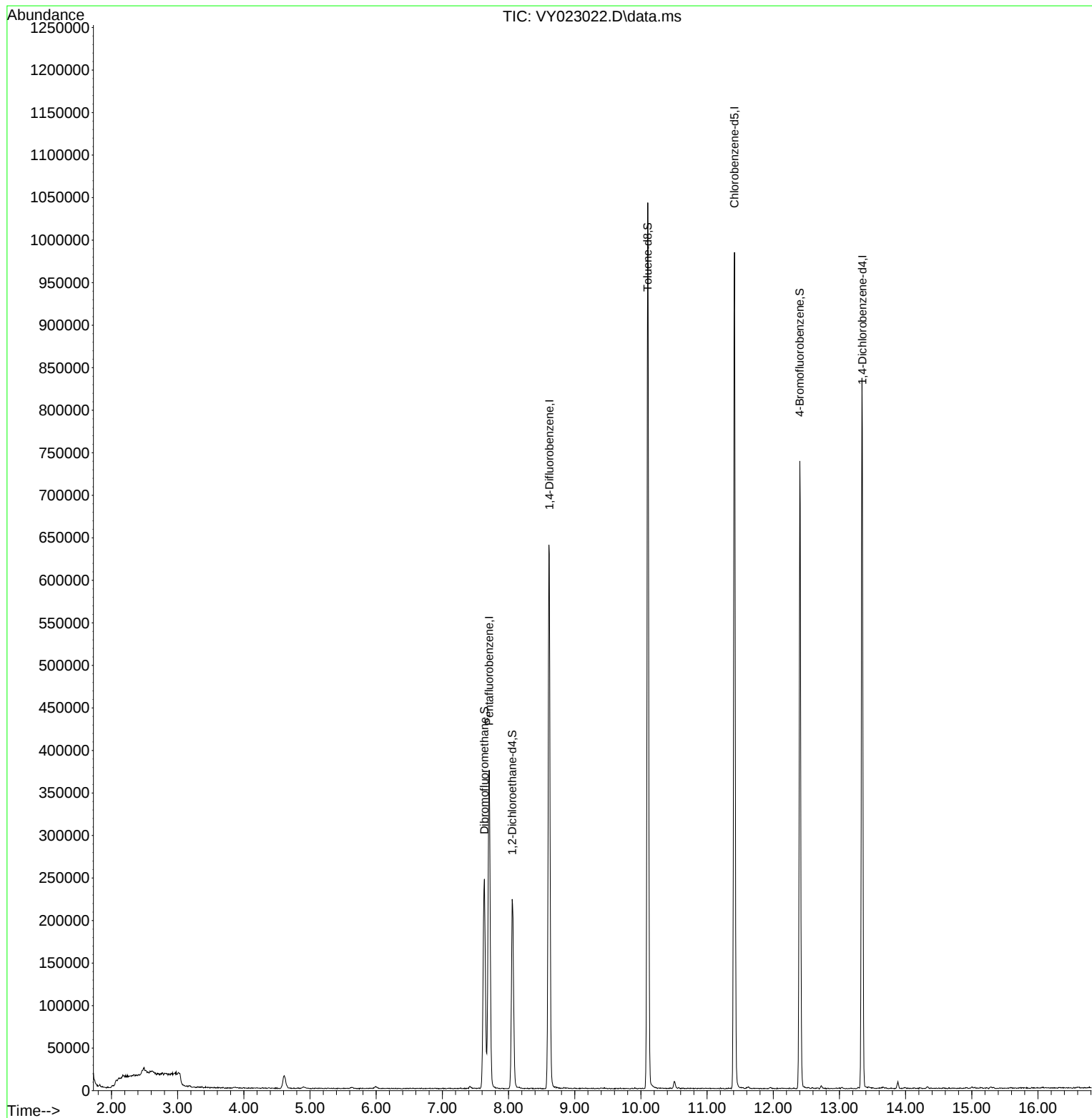
Target Compounds	Qvalue

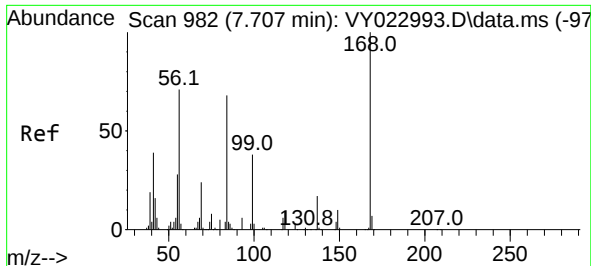
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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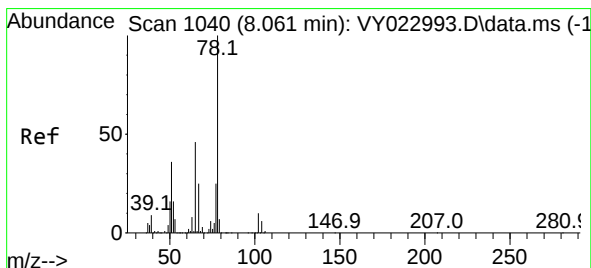
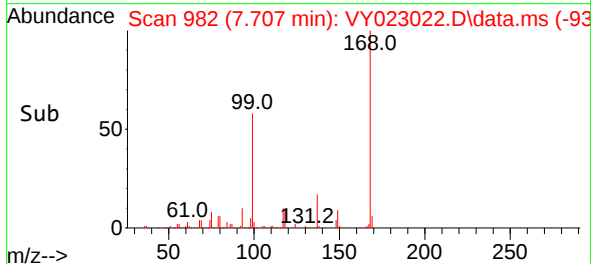
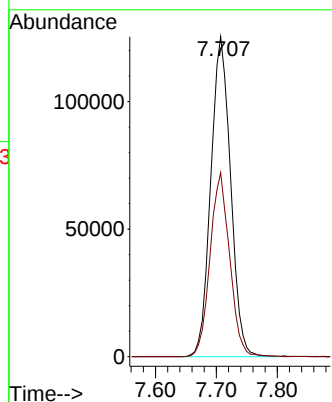
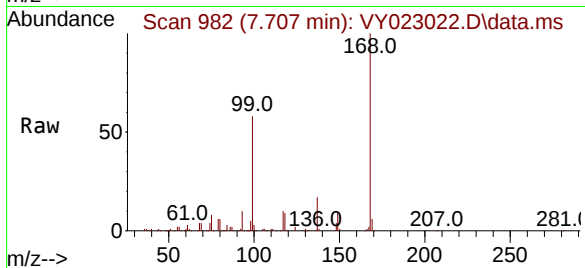




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

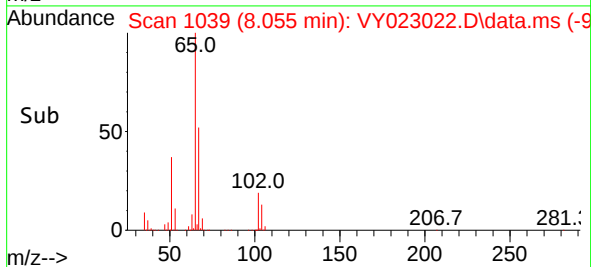
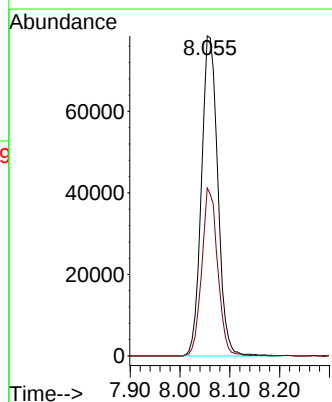
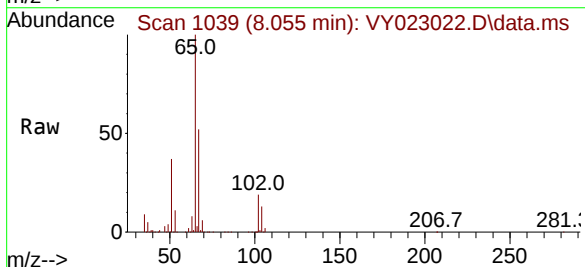
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-43-071725

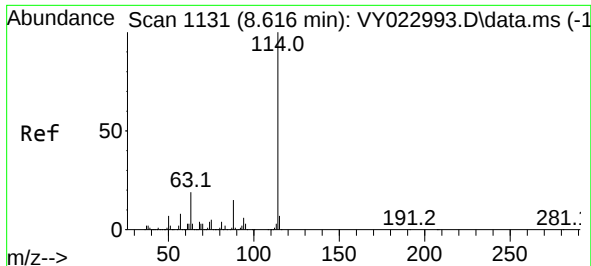
Tgt Ion:168 Resp: 283323
Ion Ratio Lower Upper
168 100
99 57.5 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 62.355 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 65 Resp: 178844
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023022.D

Acq: 21 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-43-071725

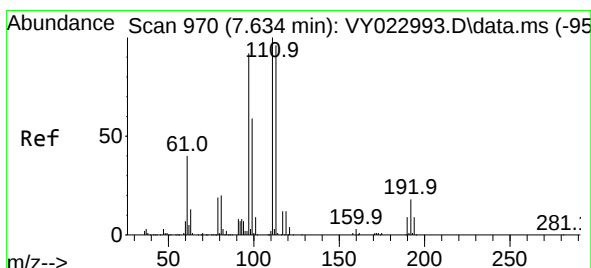
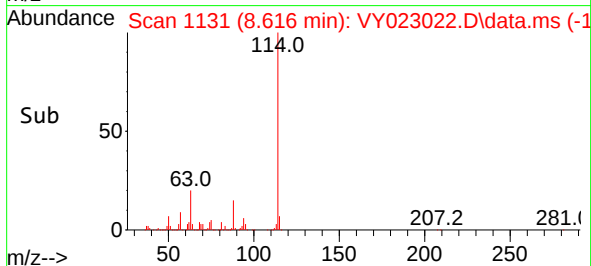
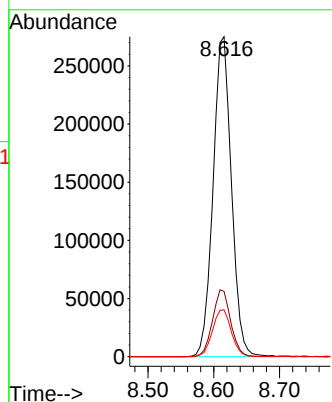
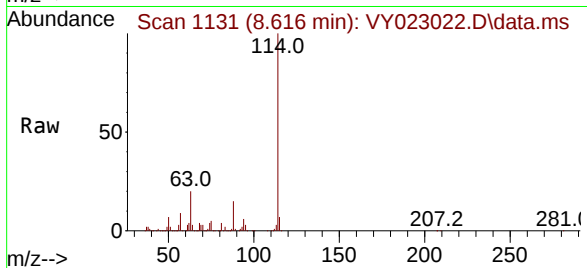
Tgt Ion:114 Resp: 535446

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.8

88 14.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.005 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023022.D

Acq: 21 Jul 2025 13:26

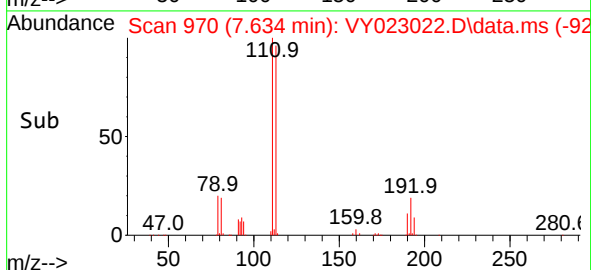
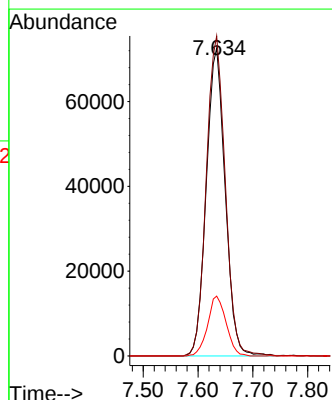
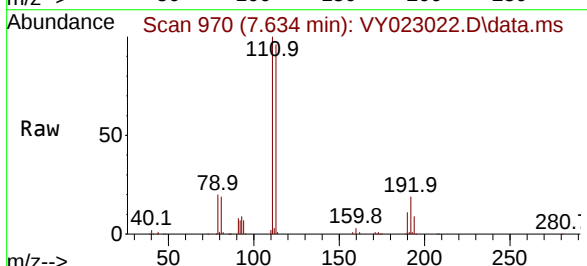
Tgt Ion:113 Resp: 173240

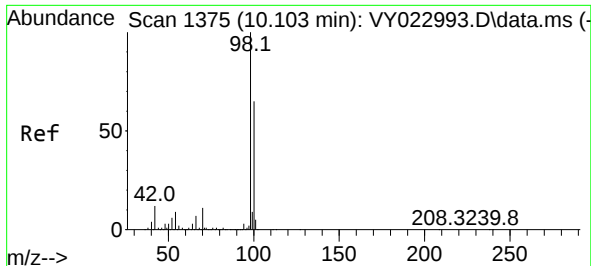
Ion Ratio Lower Upper

113 100

111 104.3 83.2 124.8

192 19.0 15.3 22.9

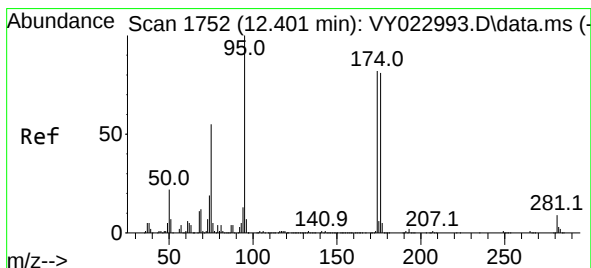
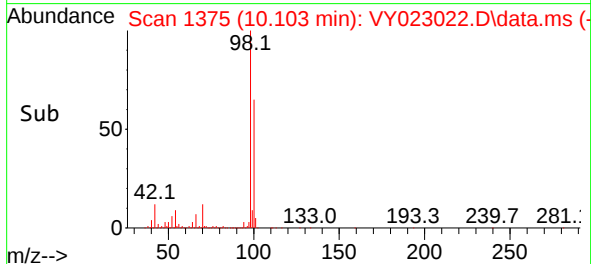
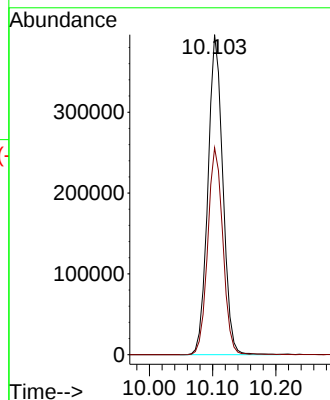
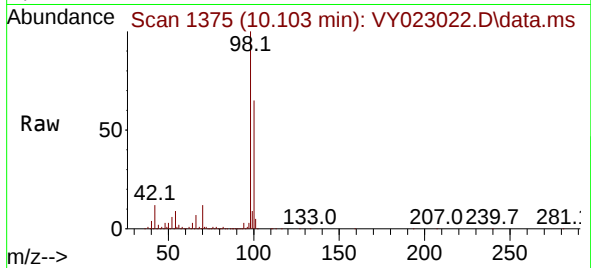




#50
Toluene-d8
Concen: 48.315 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

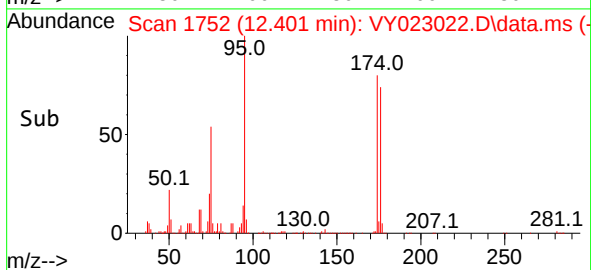
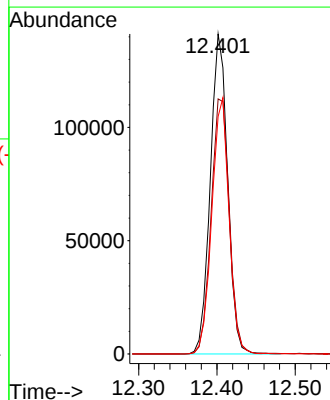
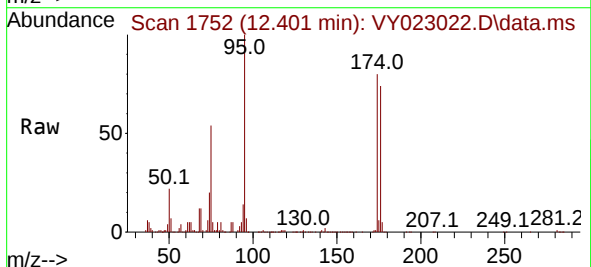
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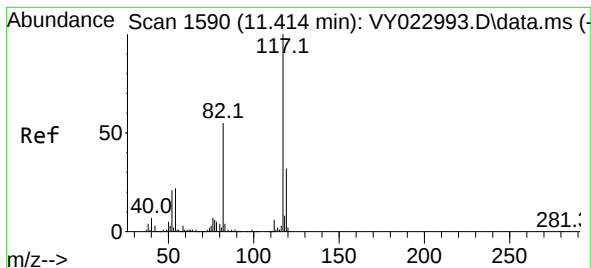
Tgt Ion: 98 Resp: 650773
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.142 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 95 Resp: 216841
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.8
176 79.7 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: VY023022.D

Acq: 21 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-43-071725

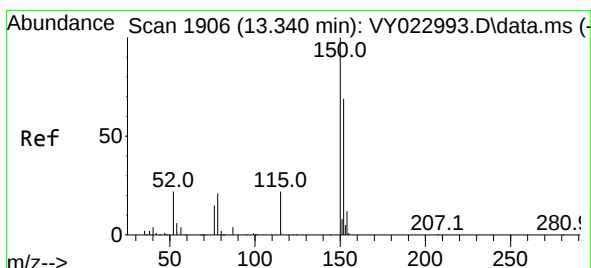
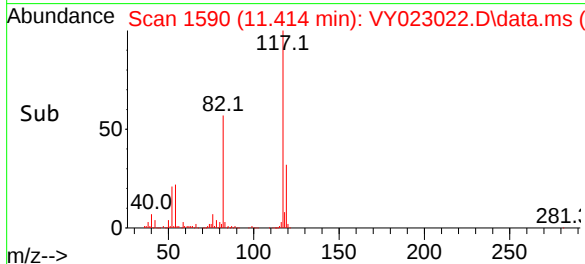
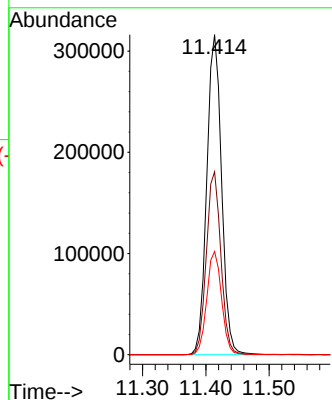
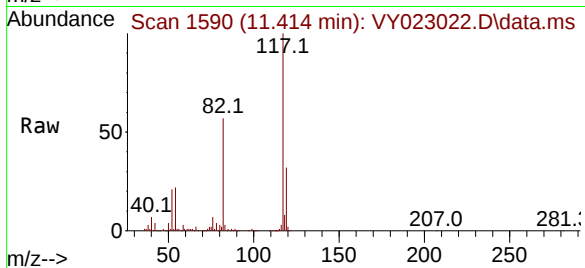
Tgt Ion:117 Resp: 514282

Ion Ratio Lower Upper

117 100

82 57.1 44.3 66.5

119 32.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023022.D

Acq: 21 Jul 2025 13:26

Tgt Ion:152 Resp: 206482

Ion Ratio Lower Upper

152 100

115 57.6 29.4 88.2

150 158.2 0.0 350.0

