

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023023.D
 Acq On : 21 Jul 2025 13:49
 Operator : SY/MD
 Sample : Q2639-13
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-44-071725

Quant Time: Jul 22 04:51:15 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	278906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	524366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	503133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	198101	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161924	57.350	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.700%
35) Dibromofluoromethane	7.628	113	169317	50.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.800%
50) Toluene-d8	10.103	98	638809	48.429	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.860%
62) 4-Bromofluorobenzene	12.402	95	204694	49.298	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.600%

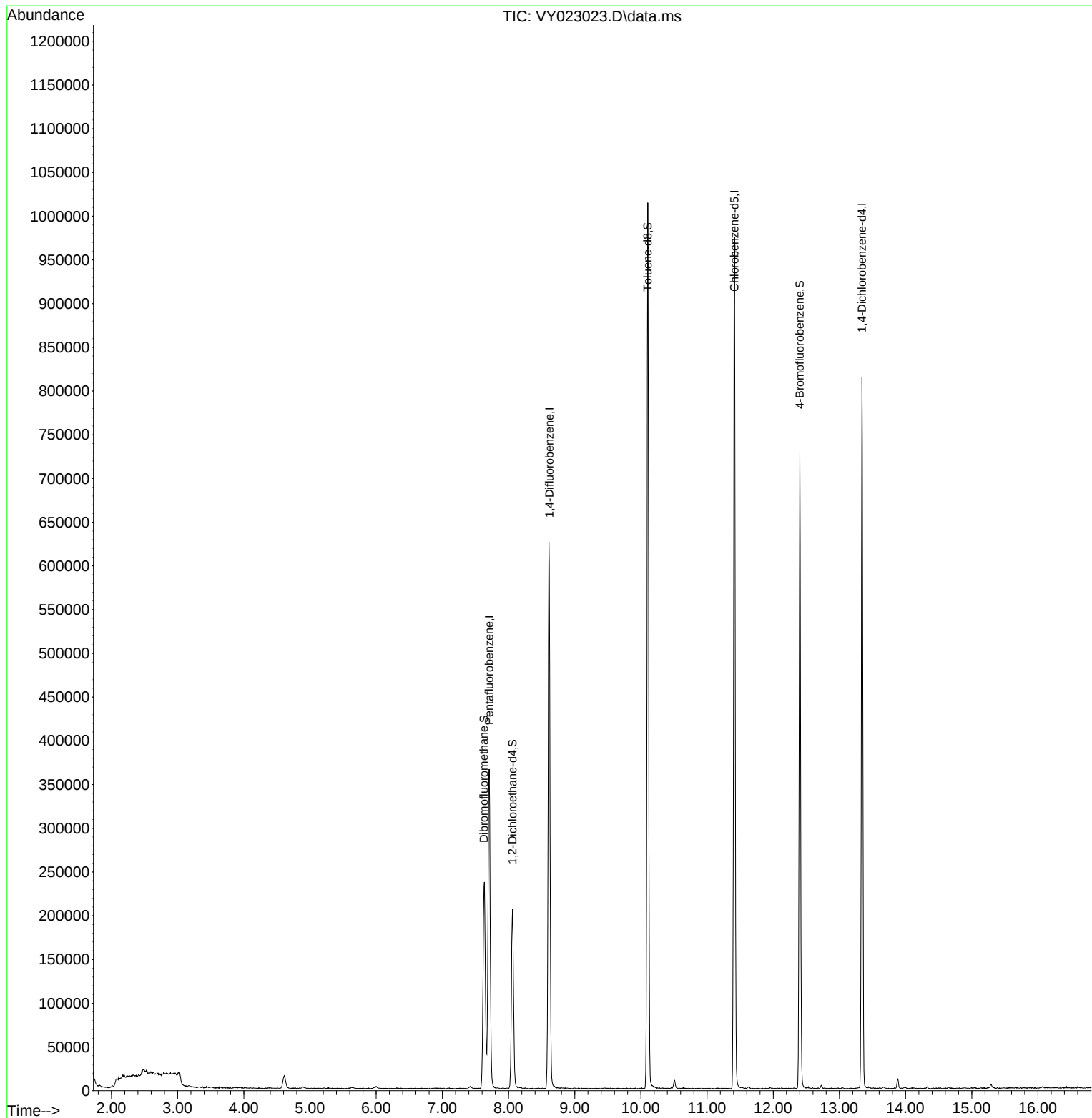
Target Compounds	Qvalue

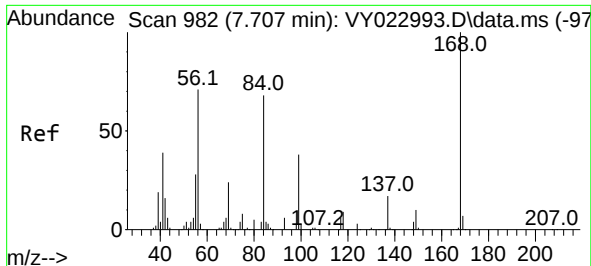
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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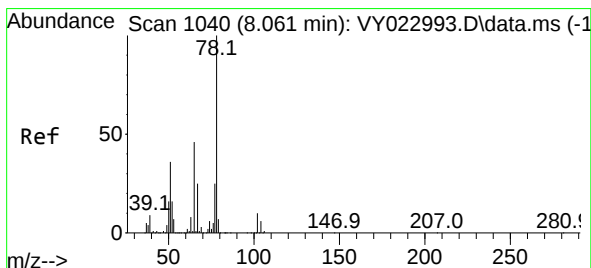
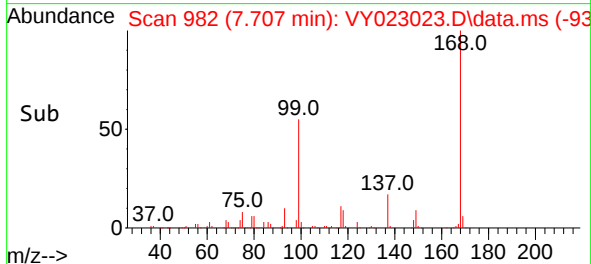
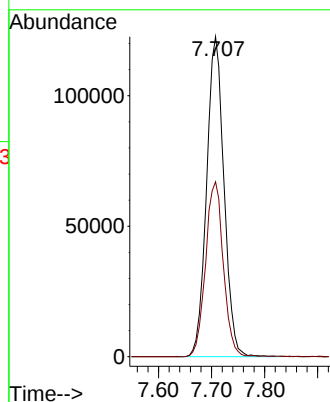
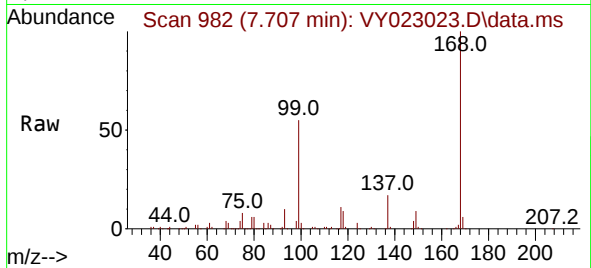




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

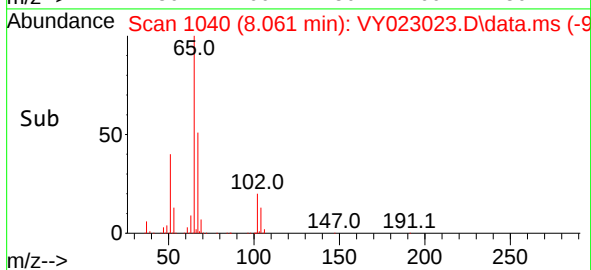
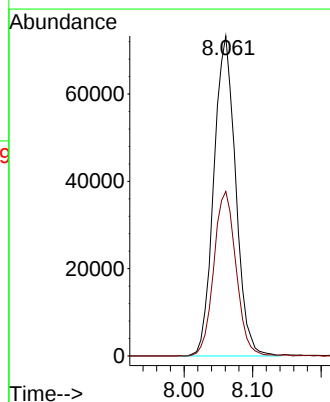
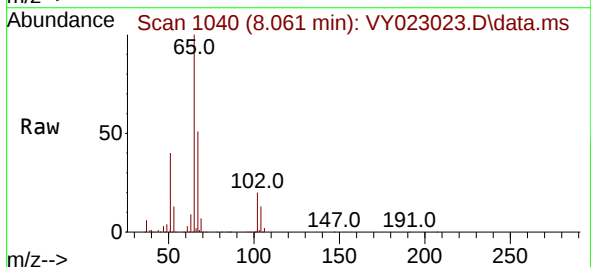
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-44-071725

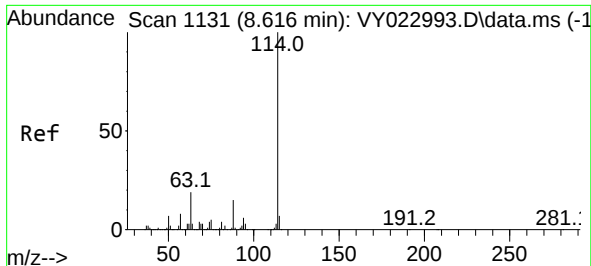
Tgt Ion:168 Resp: 278906
Ion Ratio Lower Upper
168 100
99 54.6 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 57.350 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

Tgt Ion: 65 Resp: 161924
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

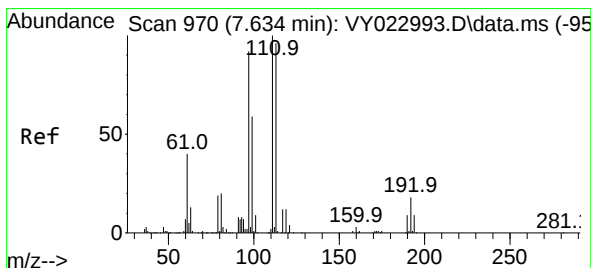
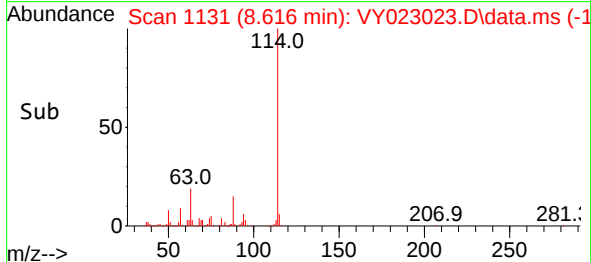
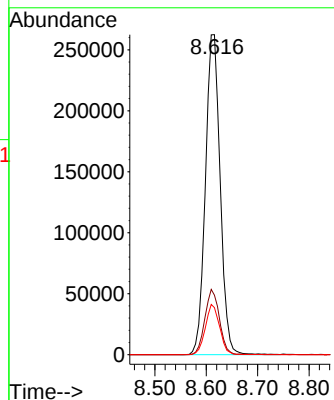
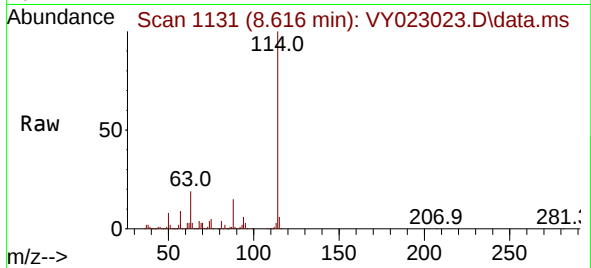




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

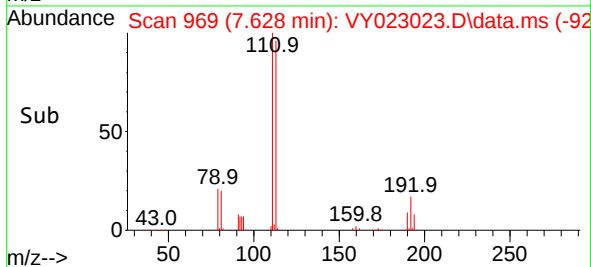
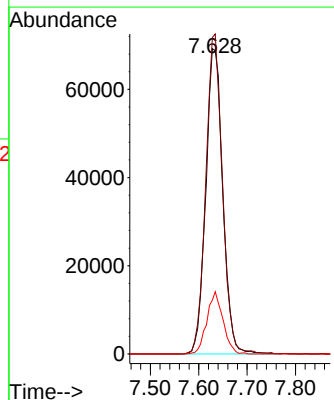
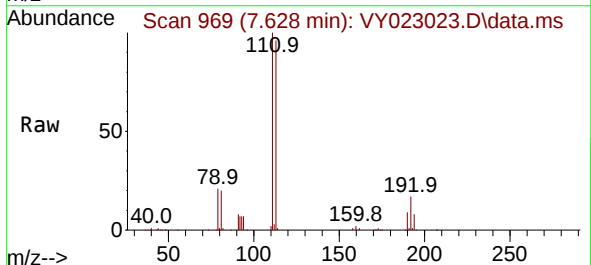
Instrument :
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OU4-TS-44-071725

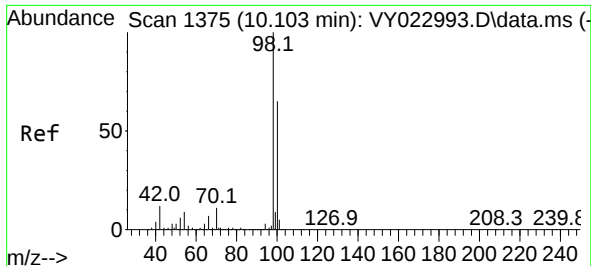
Tgt Ion:114 Resp: 524366
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.8
88 14.7 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.903 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

Tgt Ion:113 Resp: 169317
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 19.3 15.3 22.9

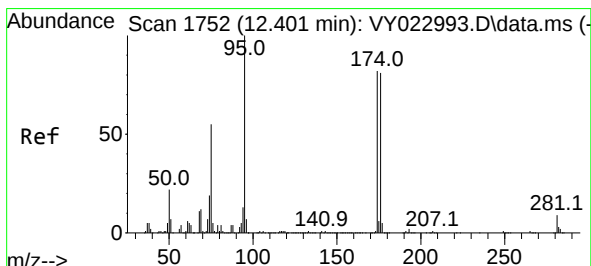
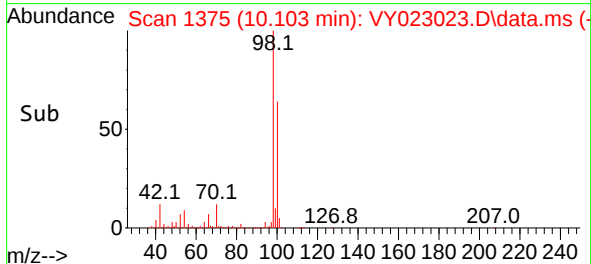
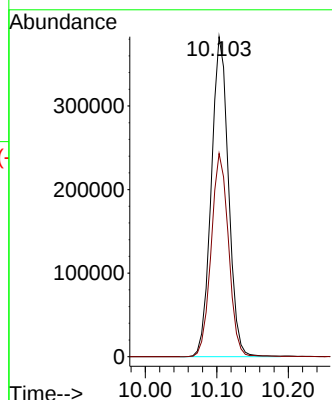
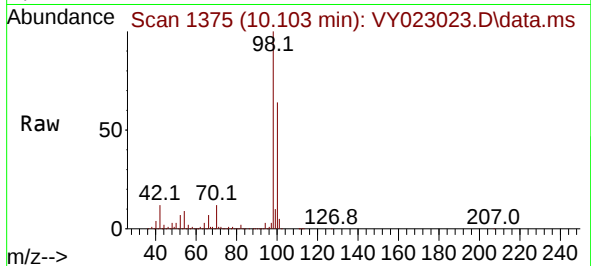




#50
Toluene-d8
Concen: 48.429 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

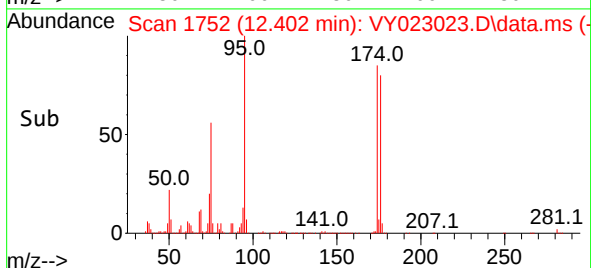
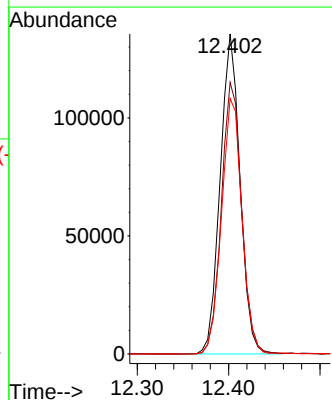
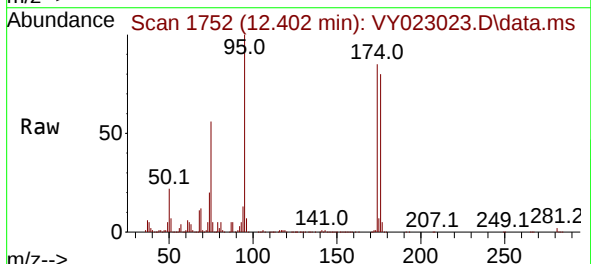
Instrument :
MSVOA_Y
ClientSampleId :
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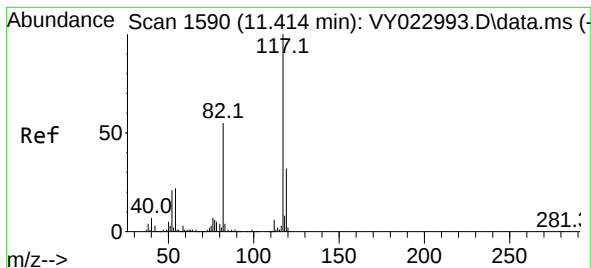
Tgt Ion: 98 Resp: 638809
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 49.298 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

Tgt Ion: 95 Resp: 204694
Ion Ratio Lower Upper
95 100
174 86.8 0.0 170.8
176 82.3 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: VY023023.D

Acq: 21 Jul 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-44-071725

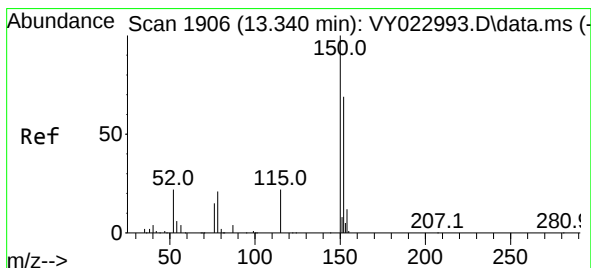
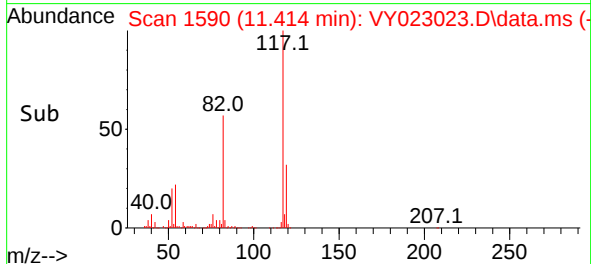
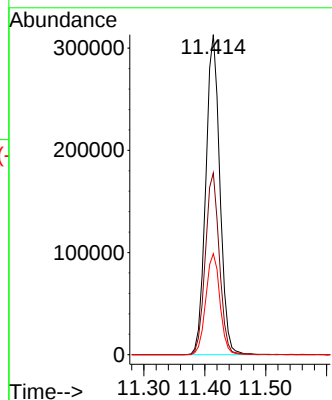
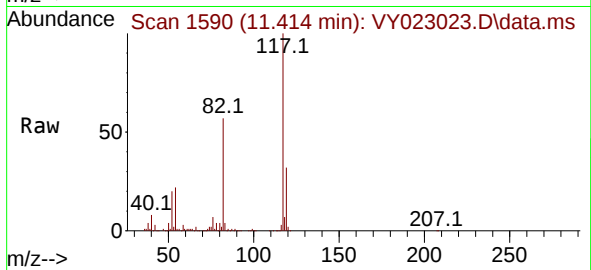
Tgt Ion:117 Resp: 503133

Ion Ratio Lower Upper

117 100

82 56.8 44.3 66.5

119 31.6 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: VY023023.D

Acq: 21 Jul 2025 13:49

Tgt Ion:152 Resp: 198101

Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 156.8 0.0 350.0

