

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023904.D
 Acq On : 09 Dec 2025 13:32
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 10 02:26:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	876953	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.627	114	1481578	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	1266512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	537546	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	417455	47.586	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.180%
35) Dibromofluoromethane	7.646	113	460851	48.498	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.000%
50) Toluene-d8	10.115	98	1667212	45.087	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.180%
62) 4-Bromofluorobenzene	12.413	95	508219	40.295	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.600%

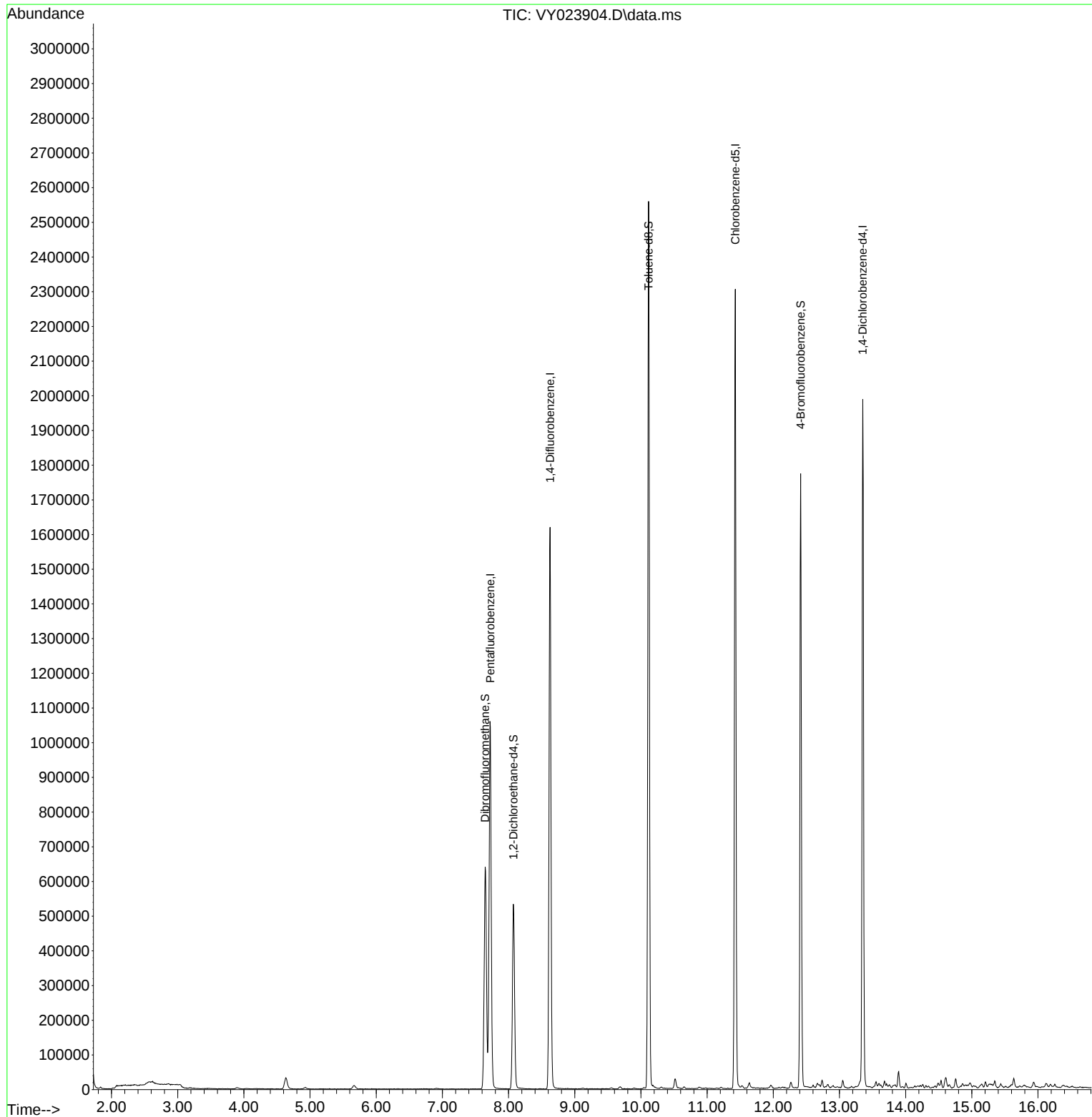
Target Compounds	Qvalue

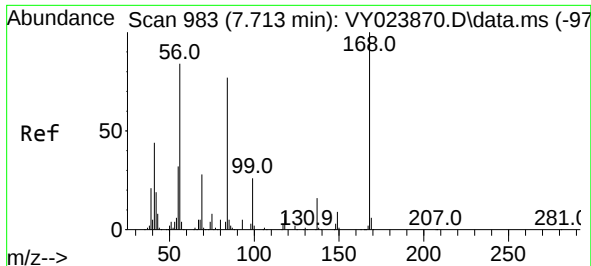
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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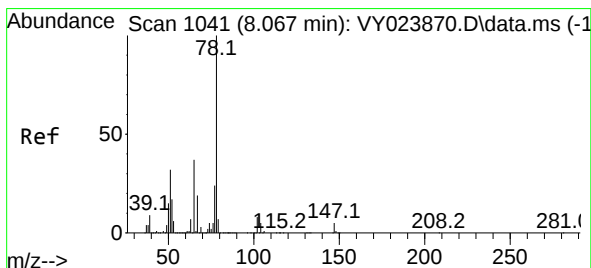
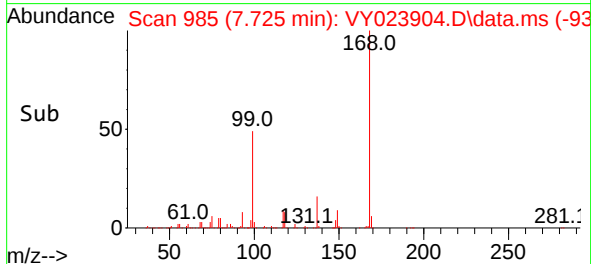
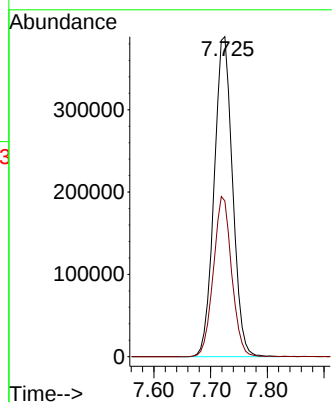
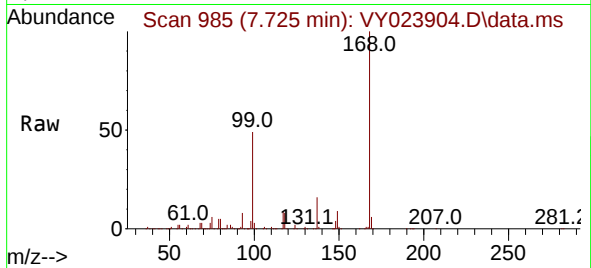




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

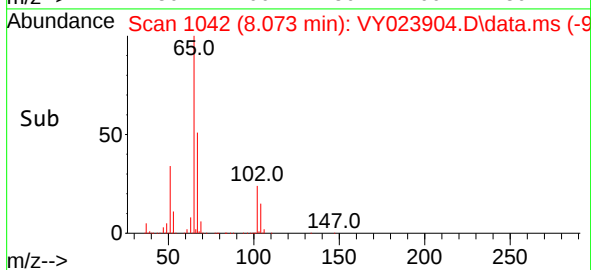
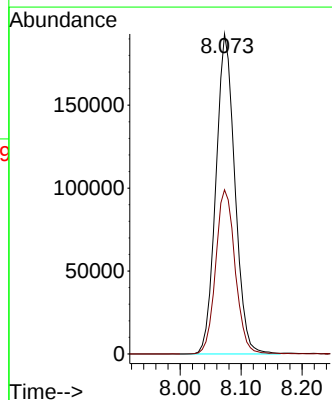
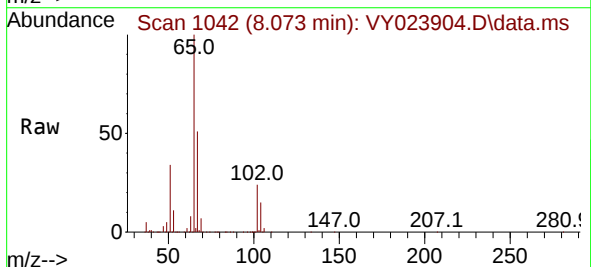
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

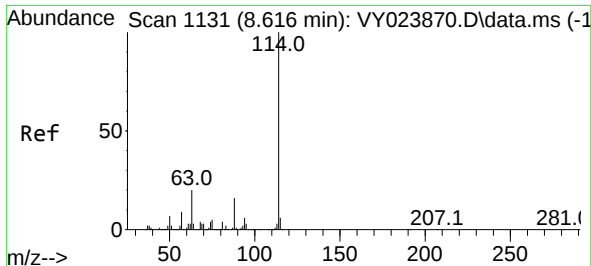
Tgt Ion:168 Resp: 876953
Ion Ratio Lower Upper
168 100
99 48.7 42.5 63.7



#33
1,2-Dichloroethane-d4
Concen: 47.586 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

Tgt Ion: 65 Resp: 417455
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.2

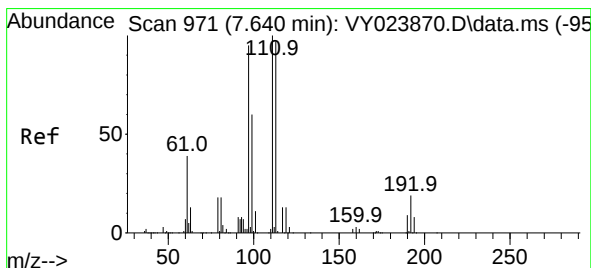
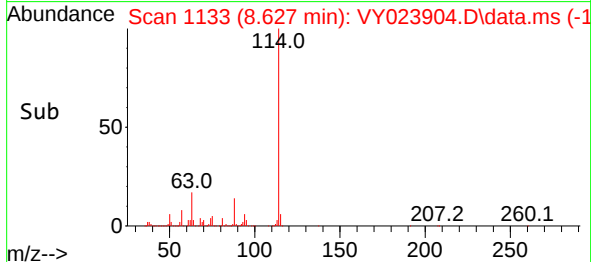
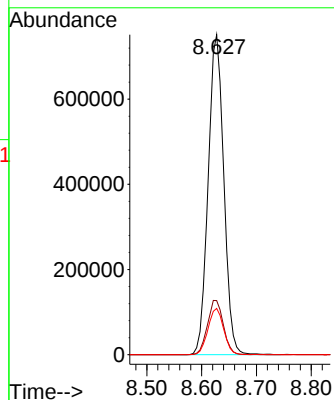
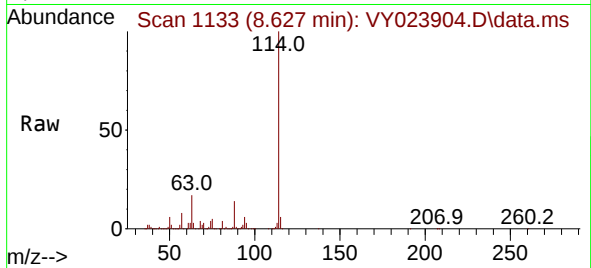




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.627 min Scan# 1133
Delta R.T. 0.012 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

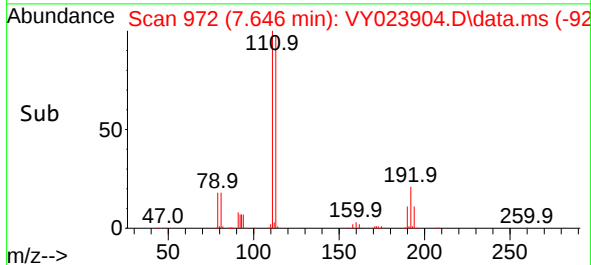
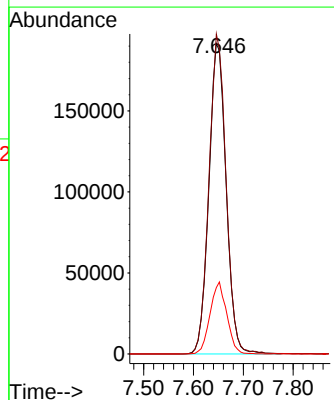
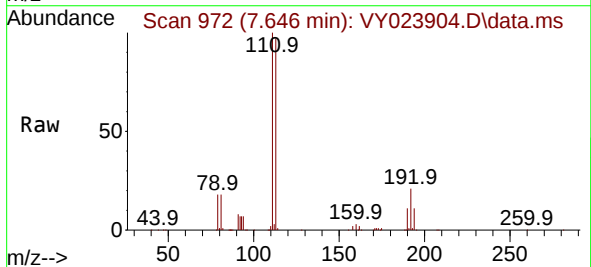
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

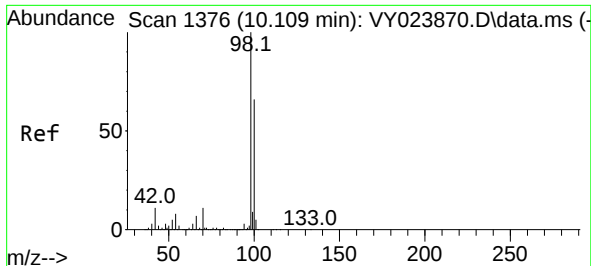
Tgt Ion:114 Resp: 1481578
Ion Ratio Lower Upper
114 100
63 16.9 0.0 39.2
88 14.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.498 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

Tgt Ion:113 Resp: 460851
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 22.4 15.8 23.8

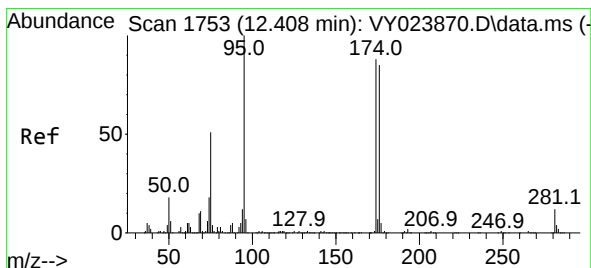
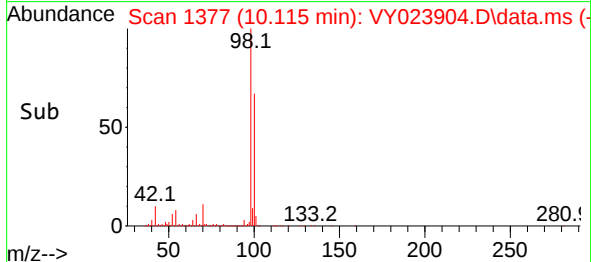
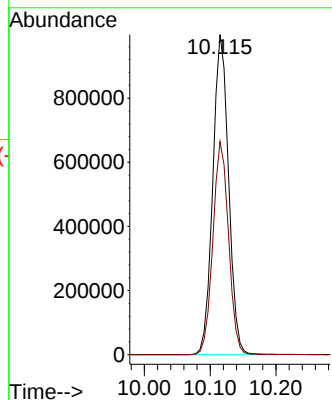
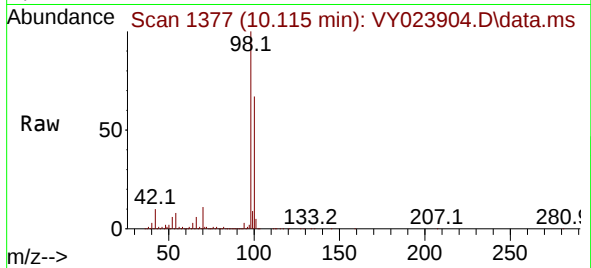




#50
Toluene-d8
Concen: 45.087 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

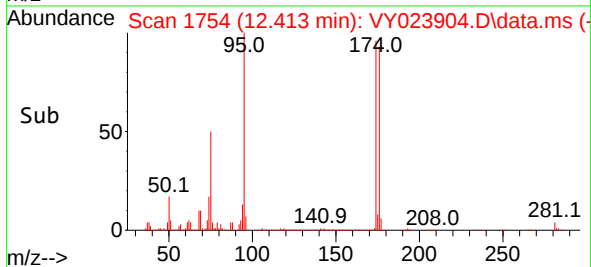
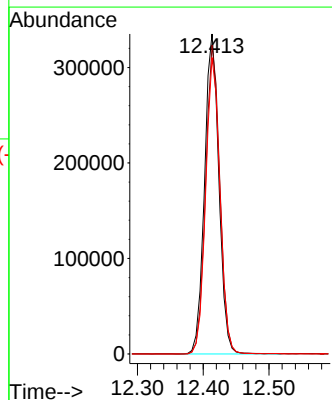
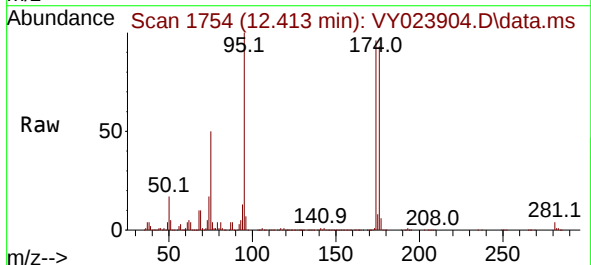
Instrument :
MSVOA_Y
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VIBLK

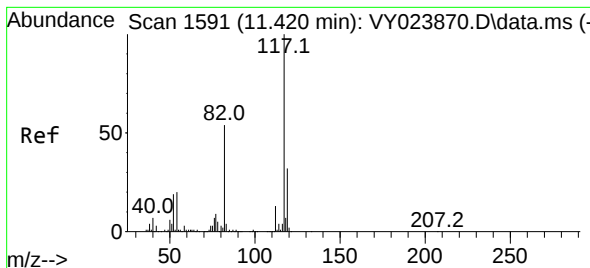
Tgt Ion: 98 Resp: 1667212
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 40.295 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023904.D
Acq: 09 Dec 2025 13:32

Tgt Ion: 95 Resp: 508219
Ion Ratio Lower Upper
95 100
174 96.5 0.0 169.6
176 92.2 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023904.D

Acq: 09 Dec 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

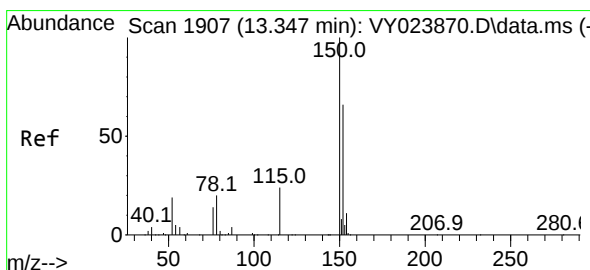
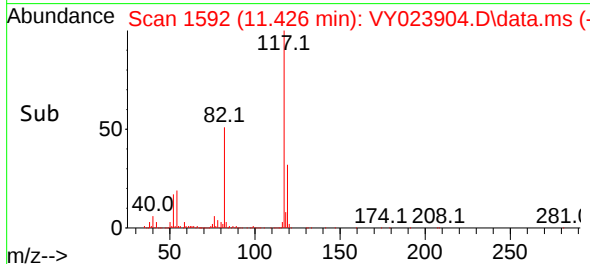
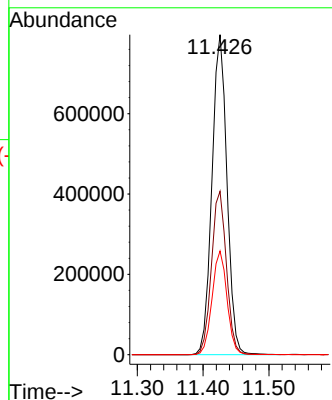
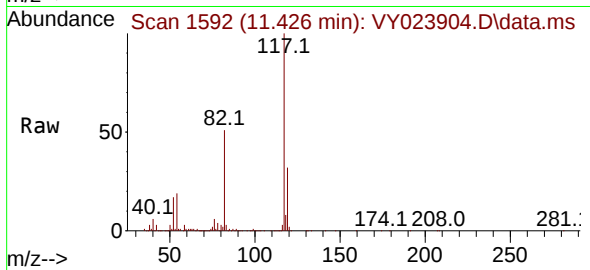
Tgt Ion:117 Resp: 1266512

Ion Ratio Lower Upper

117 100

82 51.1 43.1 64.7

119 32.4 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023904.D

Acq: 09 Dec 2025 13:32

Tgt Ion:152 Resp: 537546

Ion Ratio Lower Upper

152 100

115 54.5 28.8 86.4

150 156.3 0.0 352.2

