

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023845.D
 Acq On : 01 Dec 2025 15:57
 Operator : SY/MD
 Sample : Q3742-03
 Misc : 2.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-8

Quant Time: Dec 02 03:19:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	608834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1113703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	955695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	376385	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	354950	59.866	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.740%
35) Dibromofluoromethane	7.634	113	355083	53.821	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.640%
50) Toluene-d8	10.109	98	1331655	50.817	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.640%
62) 4-Bromofluorobenzene	12.408	95	383301	44.454	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.900%

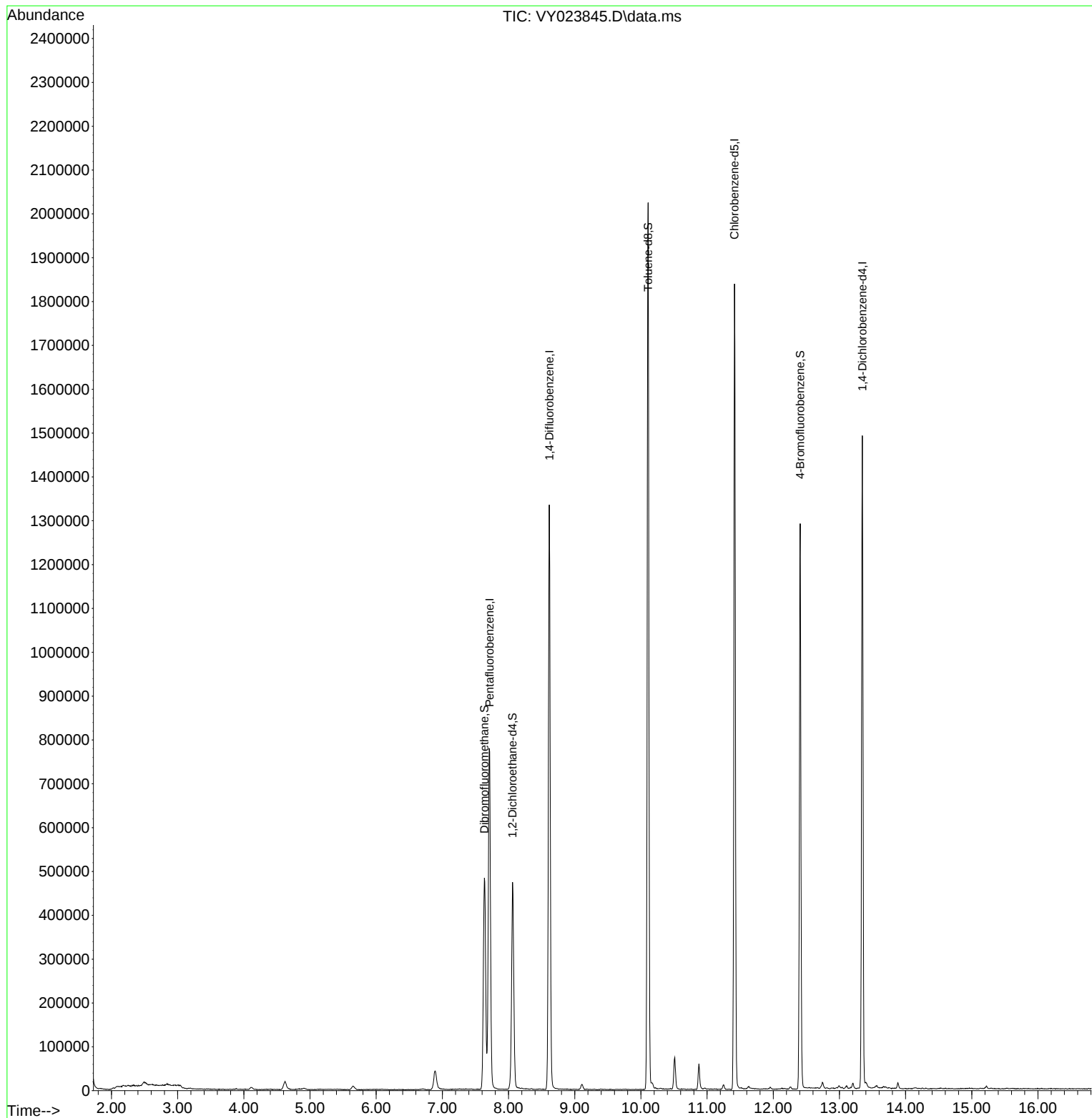
Target Compounds	Qvalue

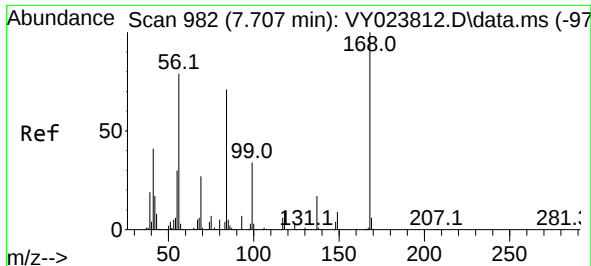
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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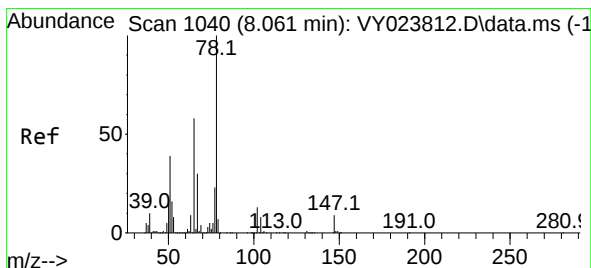
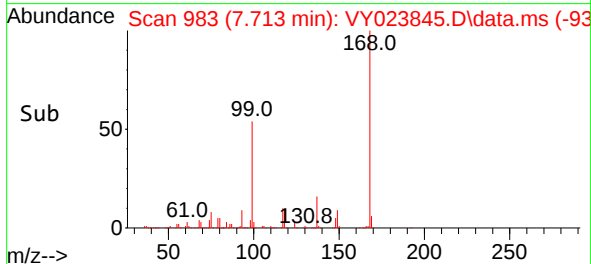
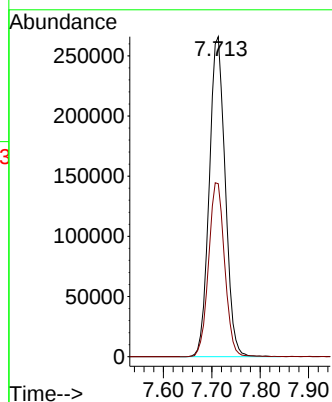
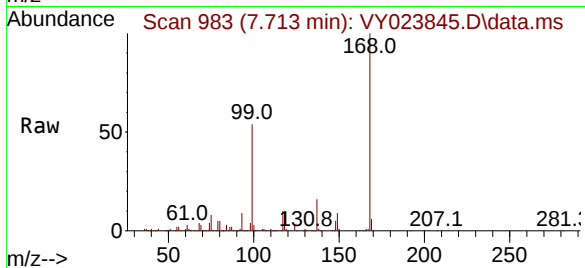




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

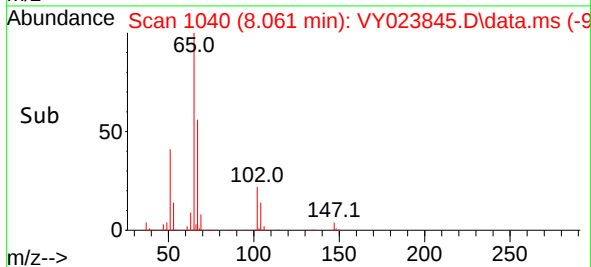
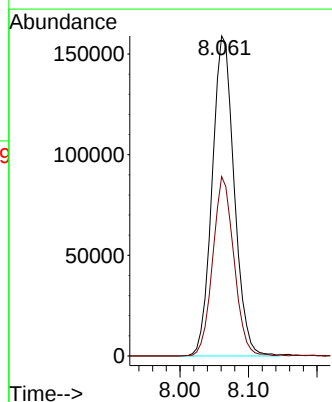
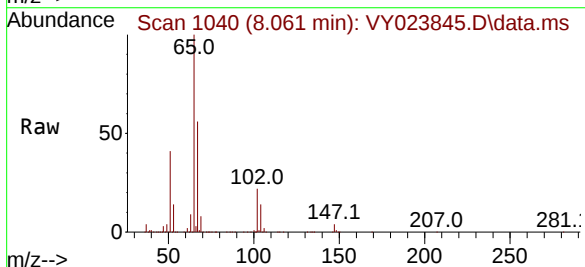
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

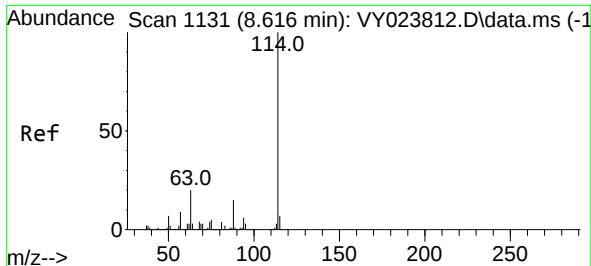
Tgt Ion:168 Resp: 608834
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 59.866 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Tgt Ion: 65 Resp: 354950
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.4

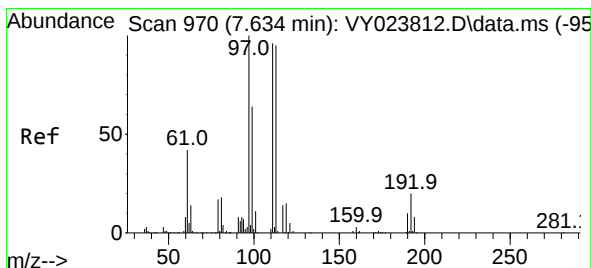
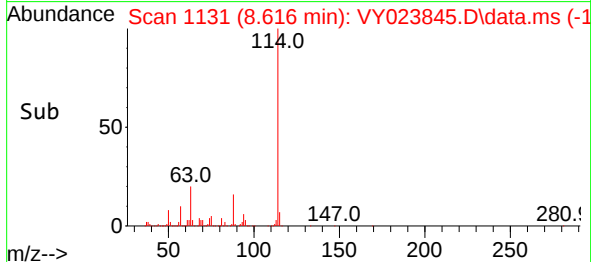
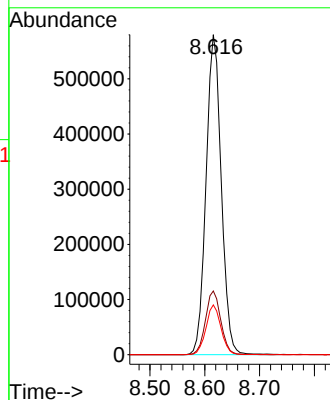
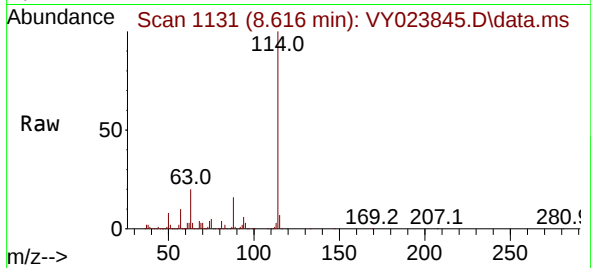




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

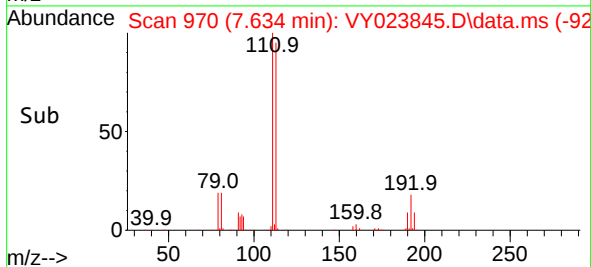
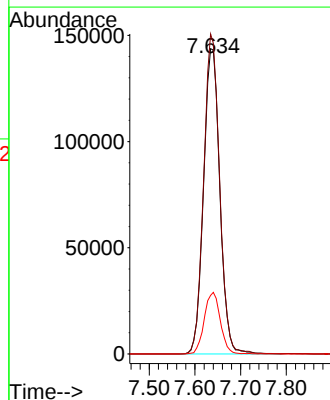
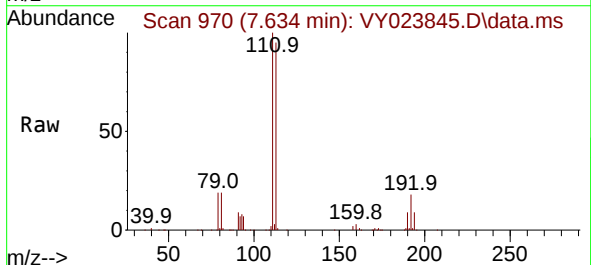
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

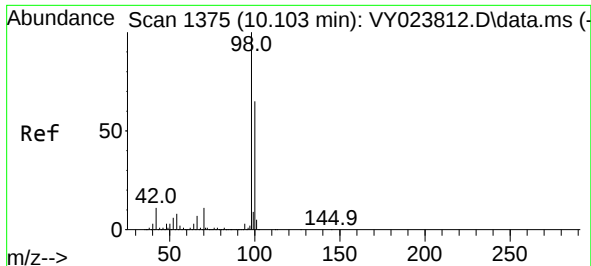
Tgt Ion:114 Resp: 1113703
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.4
88 15.6 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.821 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Tgt Ion:113 Resp: 355083
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 19.9 15.8 23.8

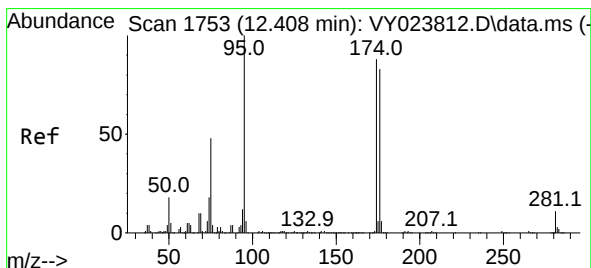
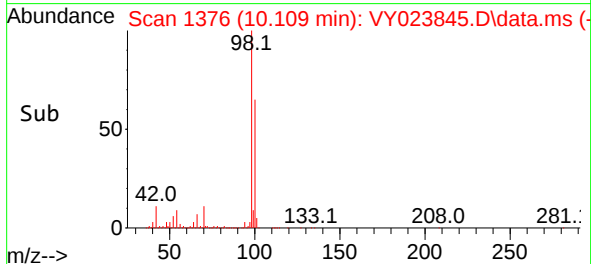
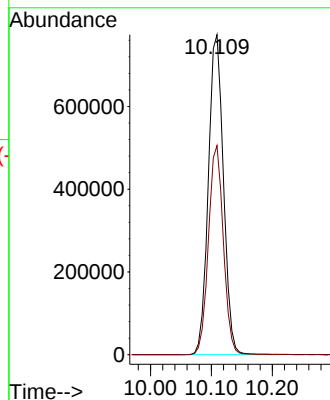
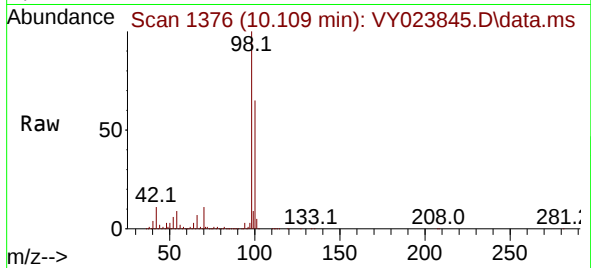




#50
Toluene-d8
Concen: 50.817 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

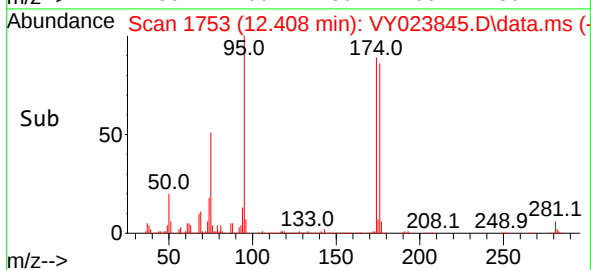
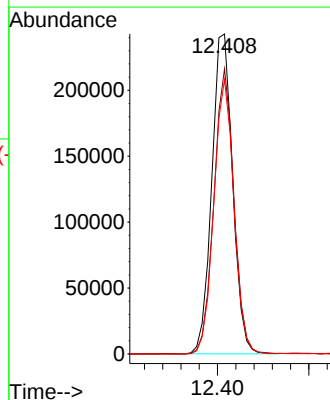
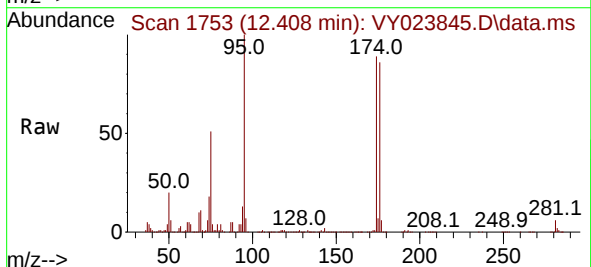
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

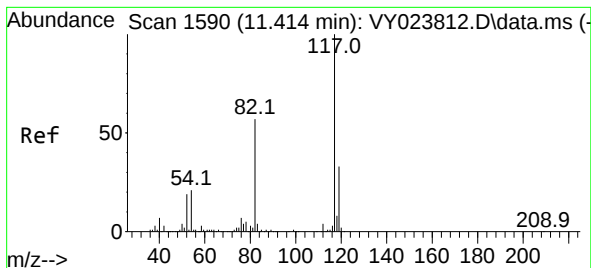
Tgt Ion: 98 Resp: 1331655
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.454 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Tgt Ion: 95 Resp: 383301
Ion Ratio Lower Upper
95 100
174 85.8 0.0 168.6
176 82.9 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023845.D

Acq: 01 Dec 2025 15:57

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-8

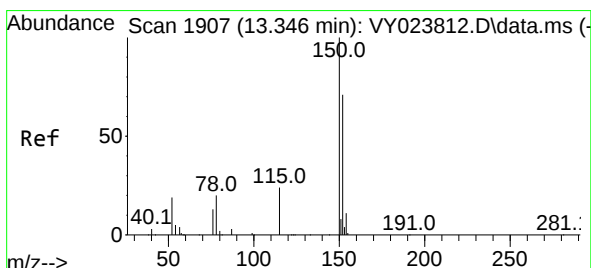
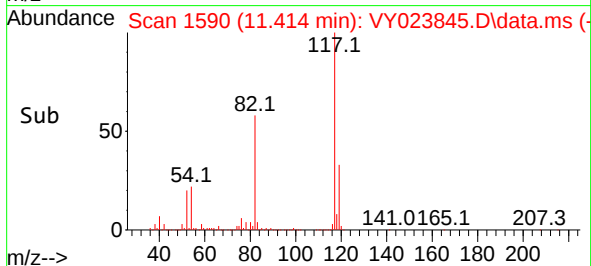
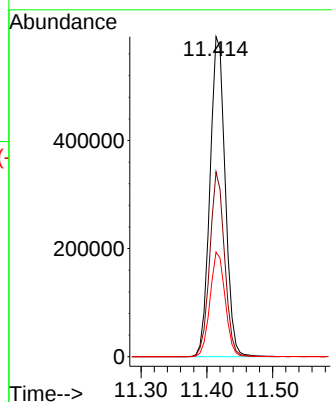
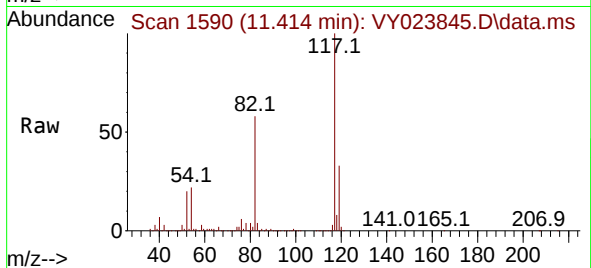
Tgt Ion:117 Resp: 955695

Ion Ratio Lower Upper

117 100

82 57.8 45.4 68.0

119 32.7 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023845.D

Acq: 01 Dec 2025 15:57

Tgt Ion:152 Resp: 376385

Ion Ratio Lower Upper

152 100

115 57.5 28.7 86.3

150 157.0 0.0 345.6

