

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023820.D
 Acq On : 26 Nov 2025 12:34
 Operator : SY/MD
 Sample : Q3604-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-1

Quant Time: Nov 27 01:19:57 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	742936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1381435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1169428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	458839	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	418065	57.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.560%
35) Dibromofluoromethane	7.634	113	433941	53.027	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.060%
50) Toluene-d8	10.109	98	1631756	50.201	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.400%
62) 4-Bromofluorobenzene	12.408	95	472576	44.186	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.380%

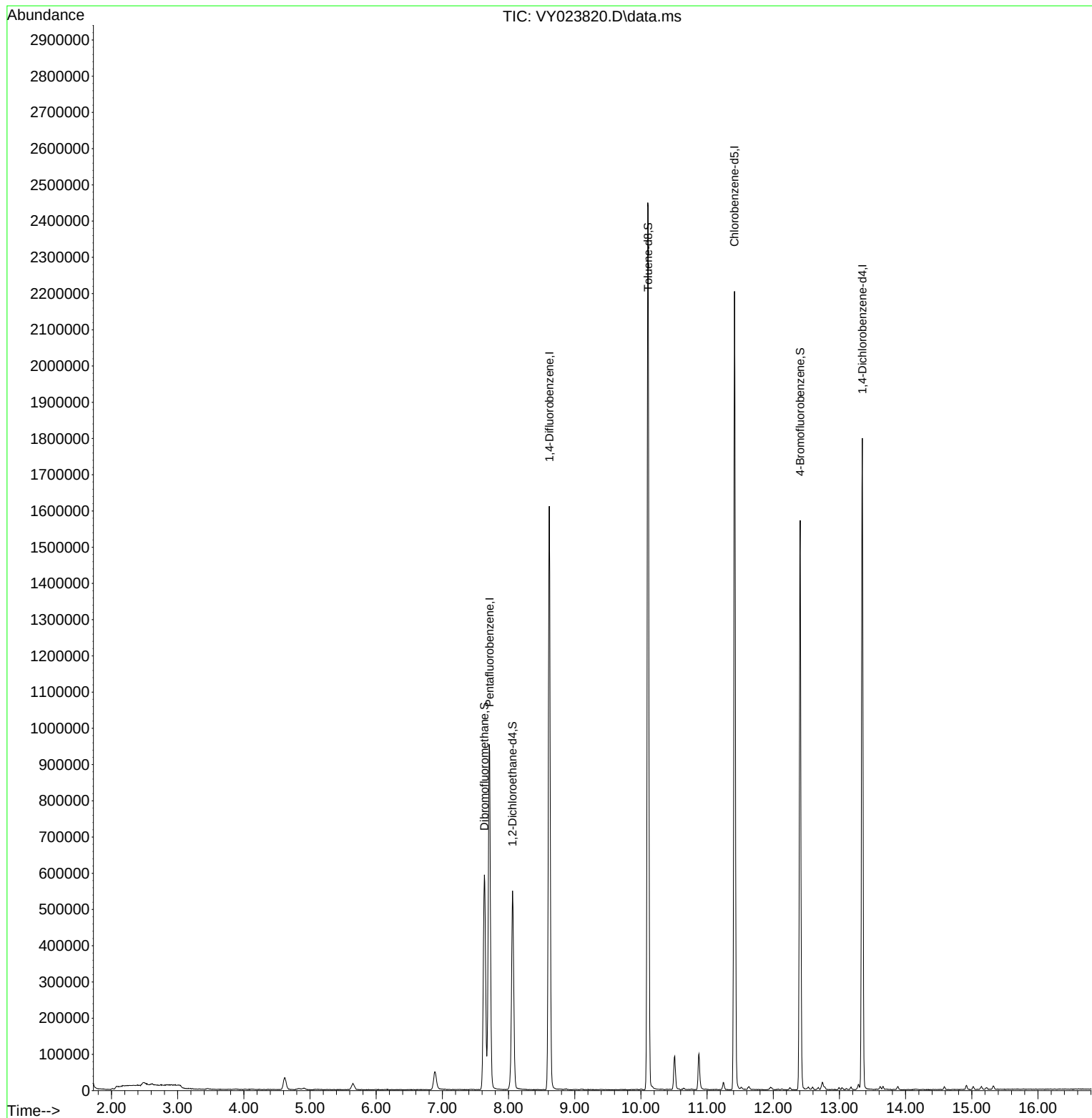
Target Compounds	Qvalue

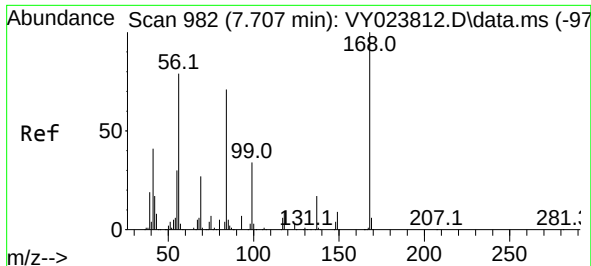
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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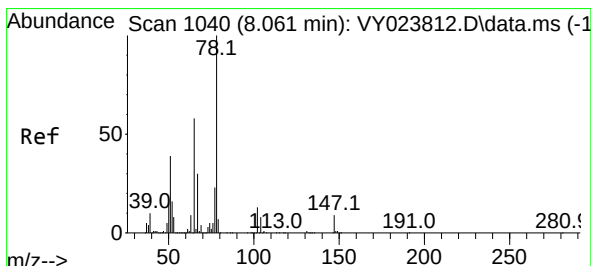
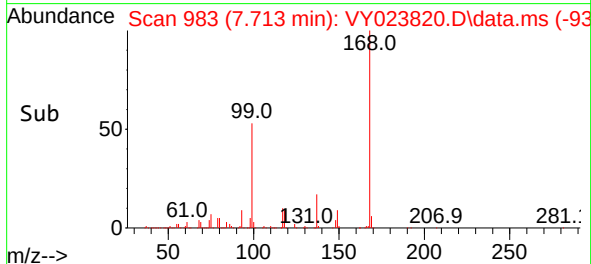
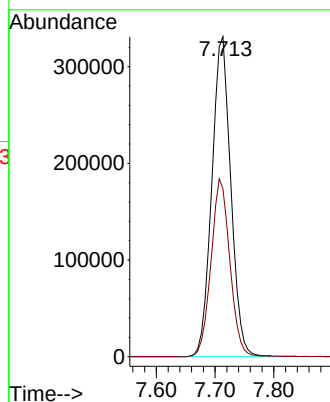
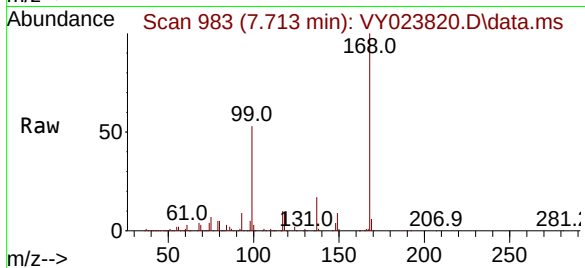




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023820.D
Acq: 26 Nov 2025 12:34

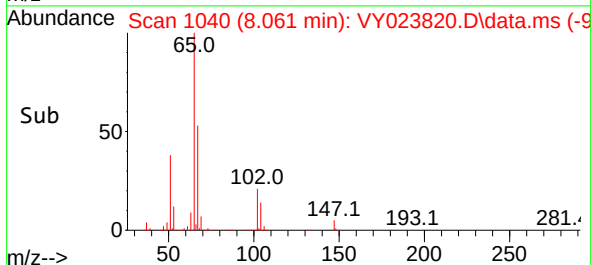
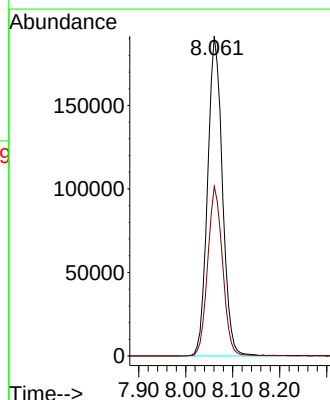
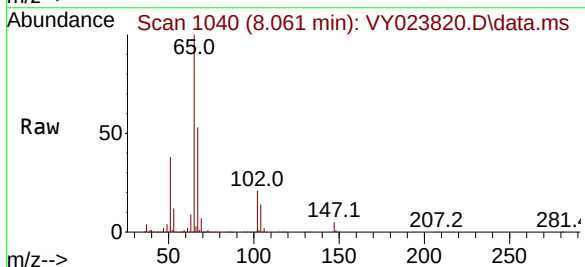
Instrument :
MSVOA_Y
ClientSampleId :
S-1

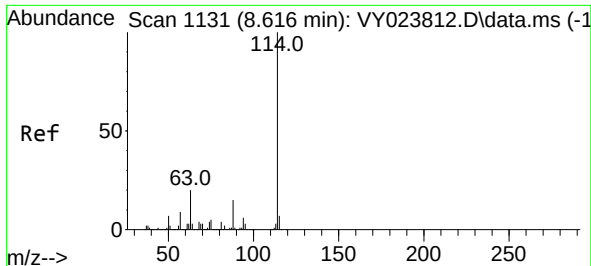
Tgt Ion:168 Resp: 742936
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 57.783 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023820.D
Acq: 26 Nov 2025 12:34

Tgt Ion: 65 Resp: 418065
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

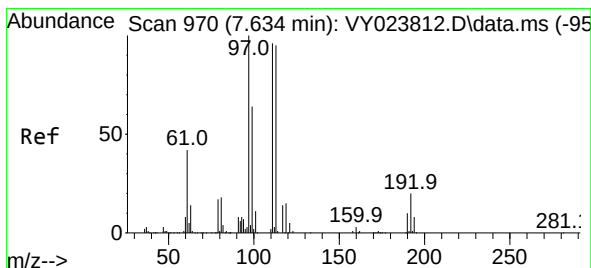
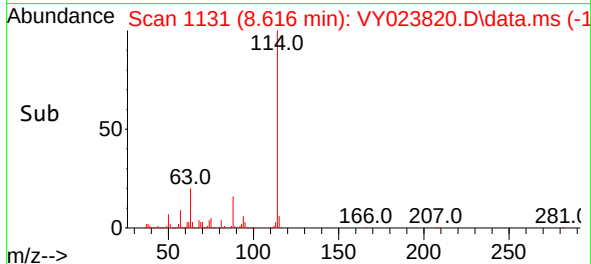
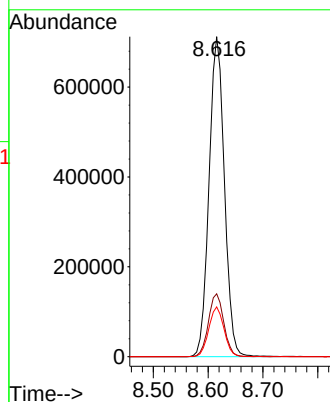
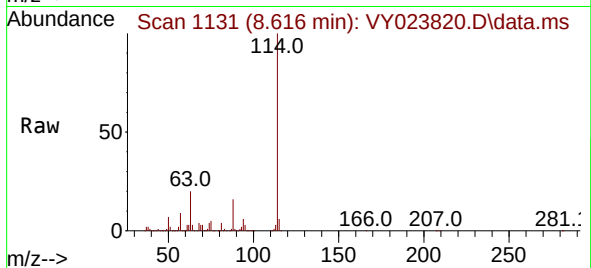




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023820.D
Acq: 26 Nov 2025 12:34

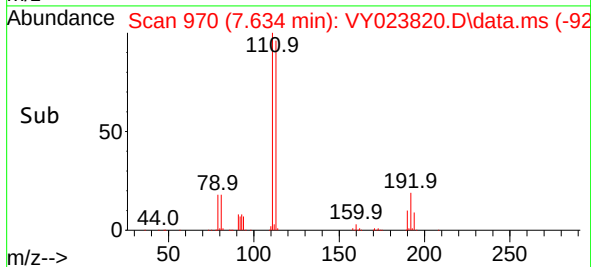
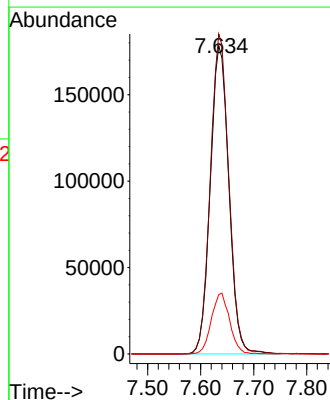
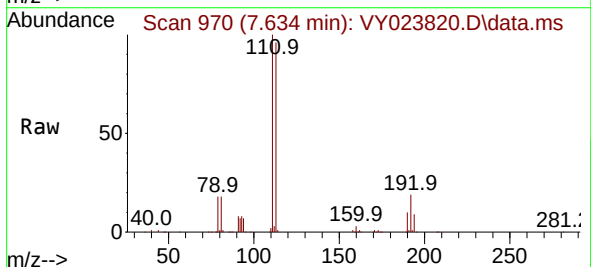
Instrument :
MSVOA_Y
ClientSampleId :
S-1

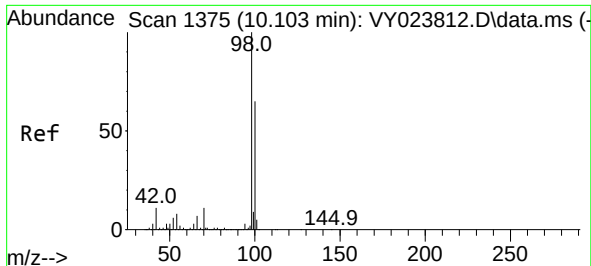
Tgt Ion:114 Resp: 1381435
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.4
88 15.5 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.027 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023820.D
Acq: 26 Nov 2025 12:34

Tgt Ion:113 Resp: 433941
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 19.4 15.8 23.8

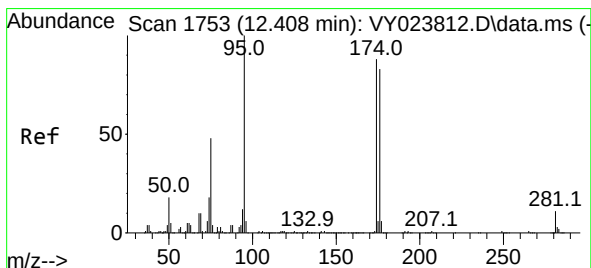
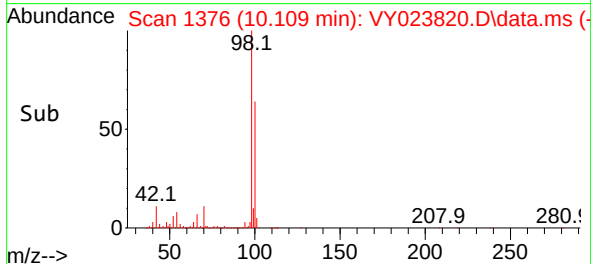
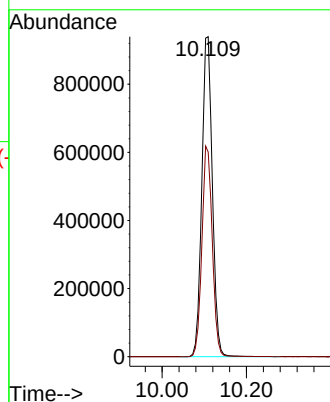
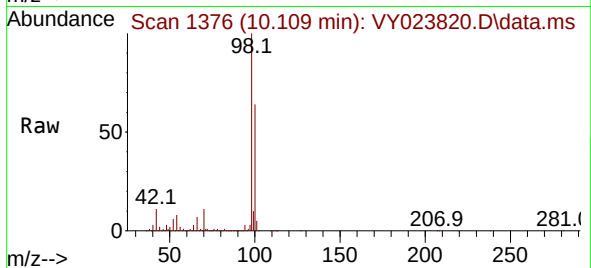




#50
Toluene-d8
Concen: 50.201 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023820.D
Acq: 26 Nov 2025 12:34

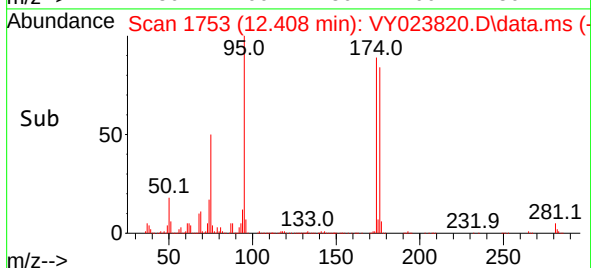
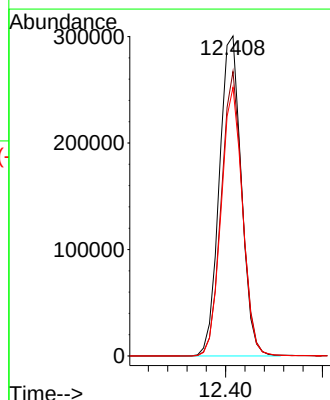
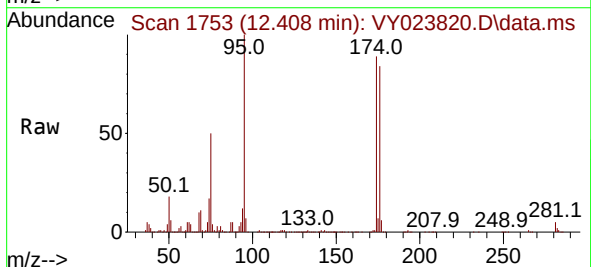
Instrument :
MSVOA_Y
ClientSampleId :
S-1

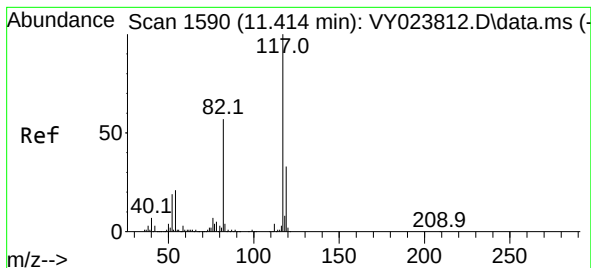
Tgt Ion: 98 Resp: 1631756
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.186 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023820.D
Acq: 26 Nov 2025 12:34

Tgt Ion: 95 Resp: 472576
Ion Ratio Lower Upper
95 100
174 85.5 0.0 168.6
176 81.9 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: VY023820.D

Acq: 26 Nov 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

S-1

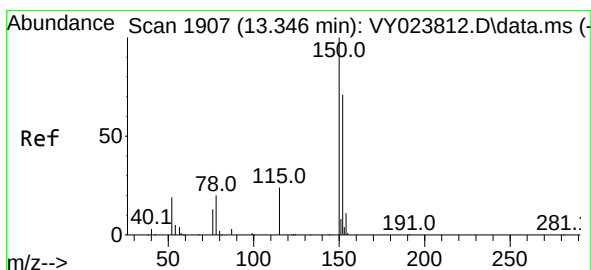
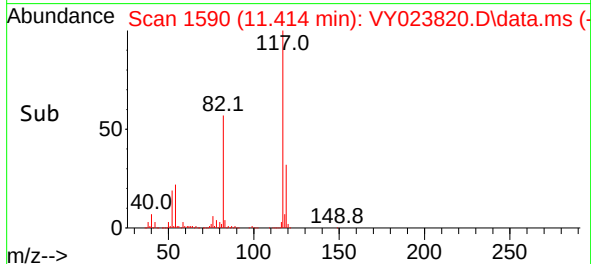
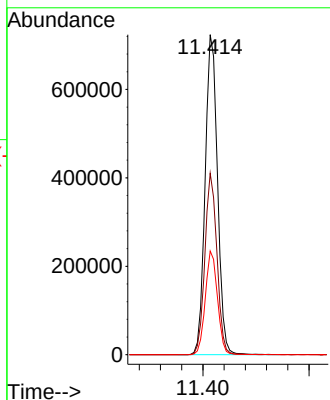
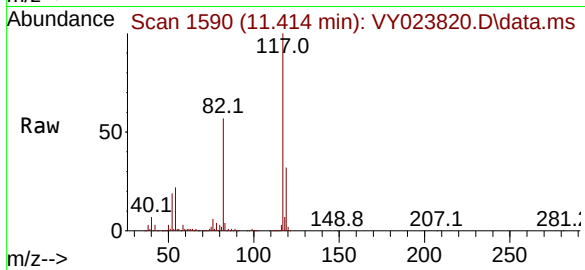
Tgt Ion:117 Resp: 1169428

Ion Ratio Lower Upper

117 100

82 56.7 45.4 68.0

119 32.4 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: VY023820.D

Acq: 26 Nov 2025 12:34

Tgt Ion:152 Resp: 458839

Ion Ratio Lower Upper

152 100

115 58.3 28.7 86.3

150 158.0 0.0 345.6

