

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023753.D
 Acq On : 12 Nov 2025 10:37
 Operator : SY/MD
 Sample : VY1112SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBL01

Quant Time: Nov 14 03:33:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	769463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1302390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1092818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	431668	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	376845	57.414	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.820%
35) Dibromofluoromethane	7.640	113	415926	51.102	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.200%
50) Toluene-d8	10.109	98	1458000	48.089	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.408	95	415705	42.398	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.800%

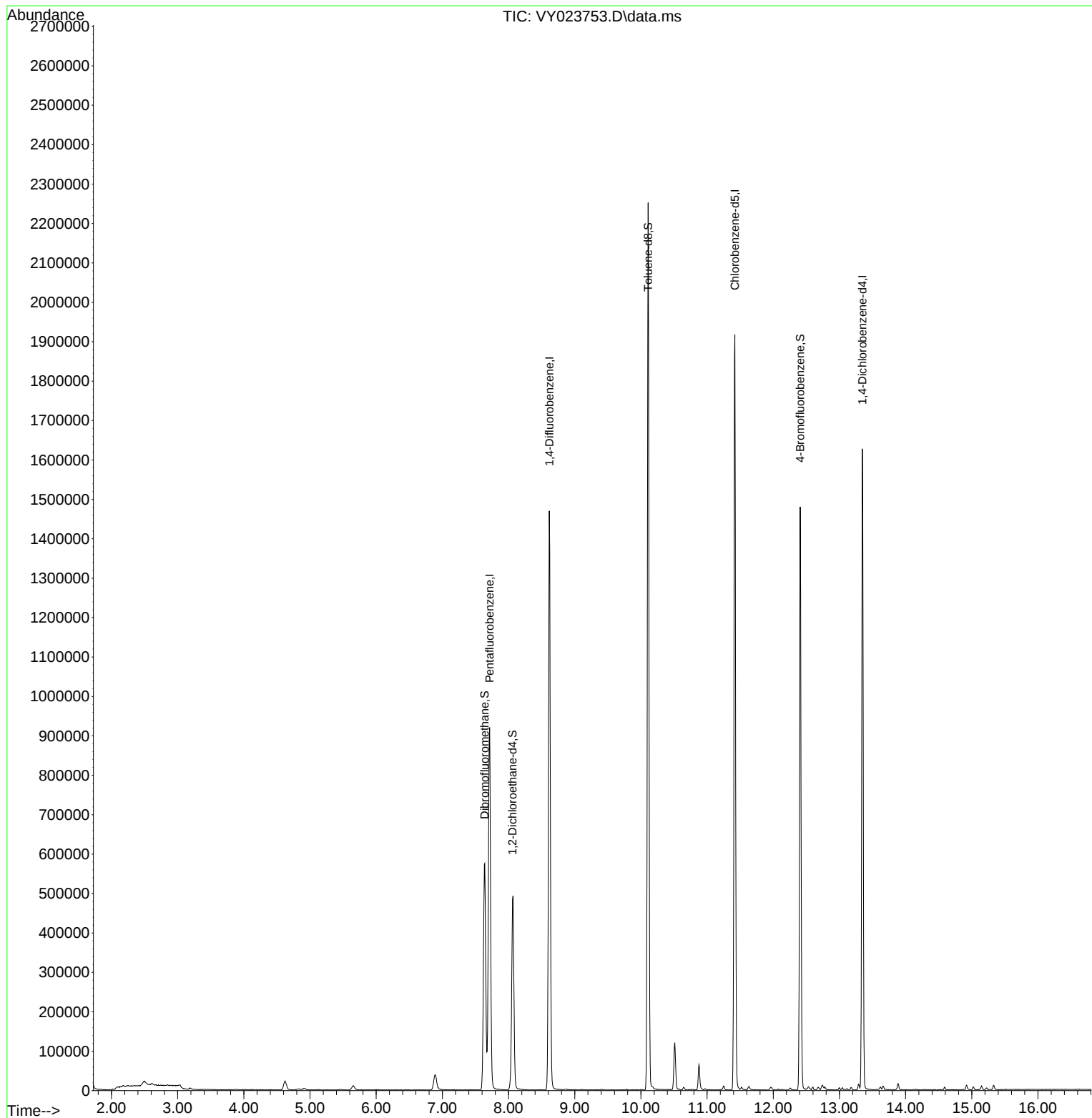
Target Compounds	Qvalue

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

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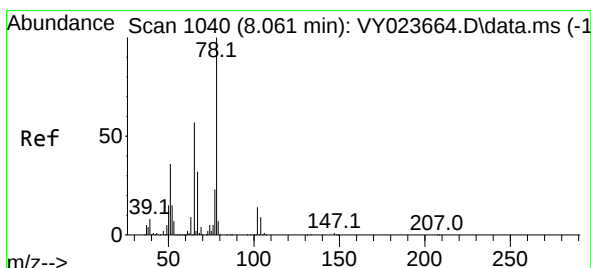
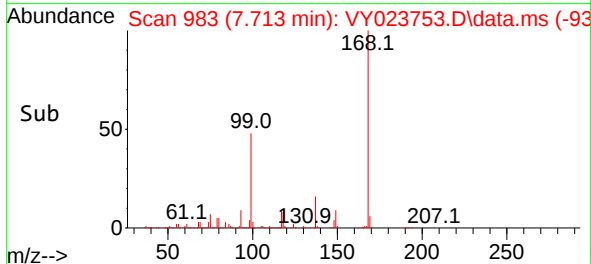
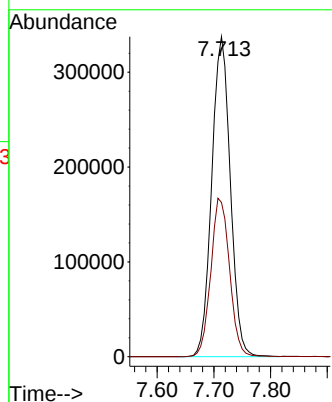
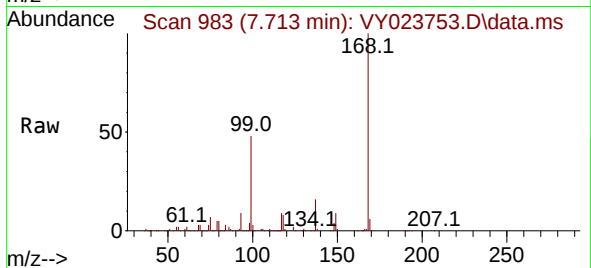




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

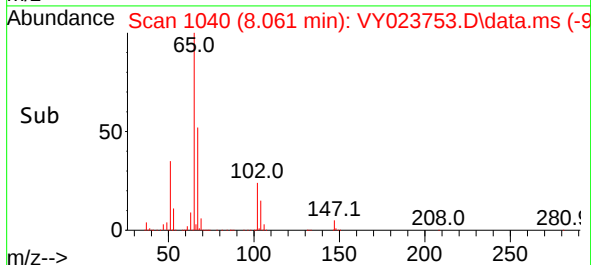
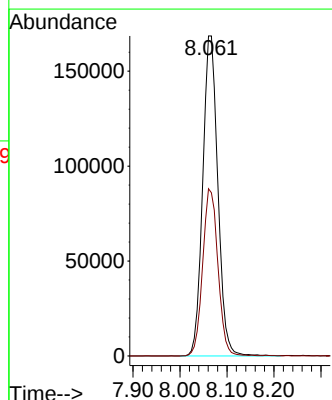
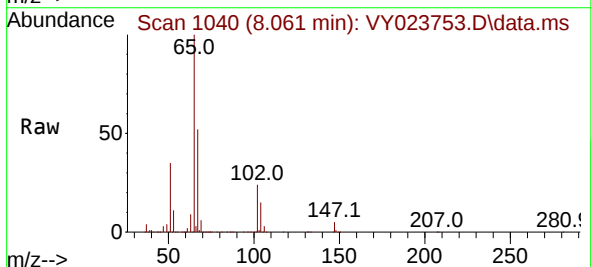
Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

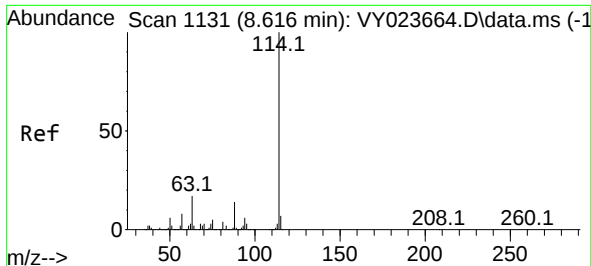
Tgt Ion:168 Resp: 769463
Ion Ratio Lower Upper
168 100
99 48.2 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 57.414 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion: 65 Resp: 376845
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4

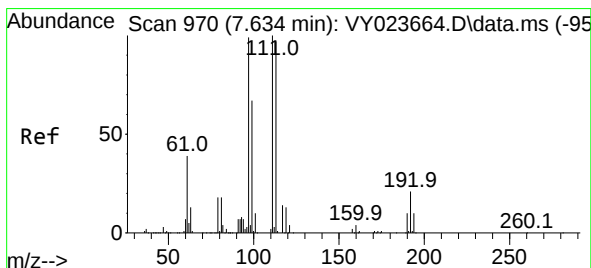
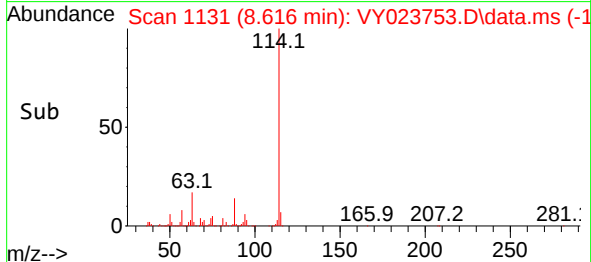
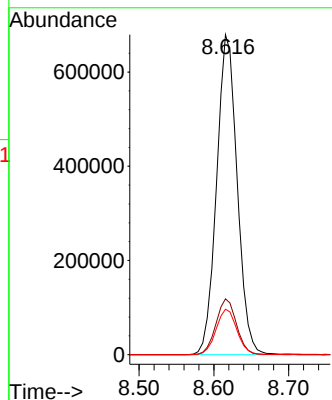
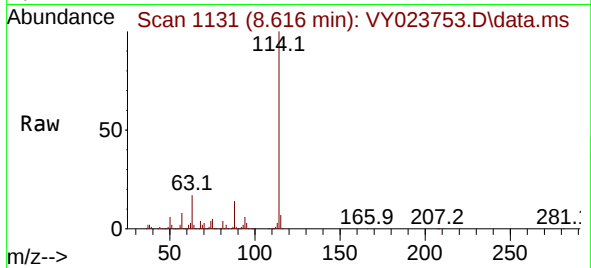




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

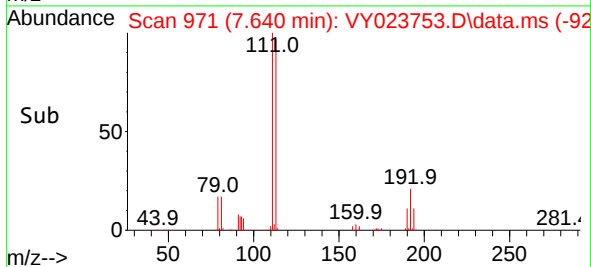
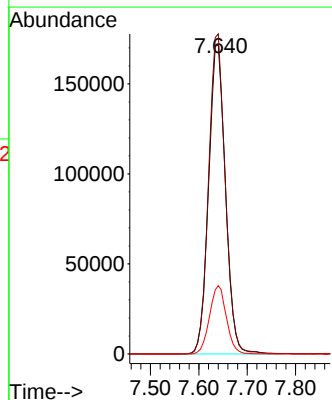
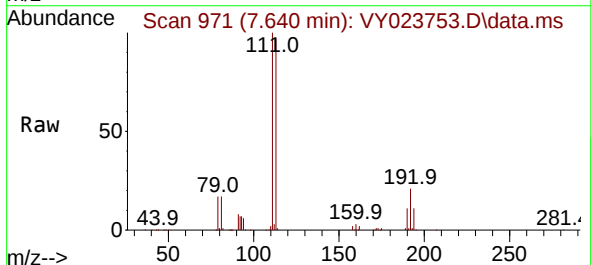
Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

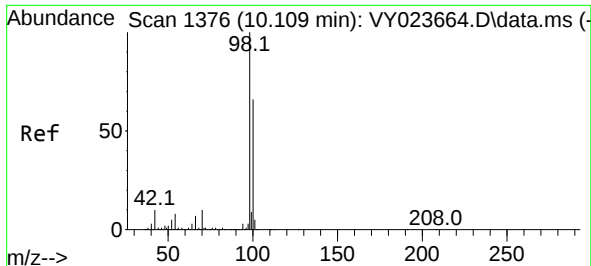
Tgt Ion:114 Resp: 1302390
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 14.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.102 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion:113 Resp: 415926
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 22.0 17.3 25.9

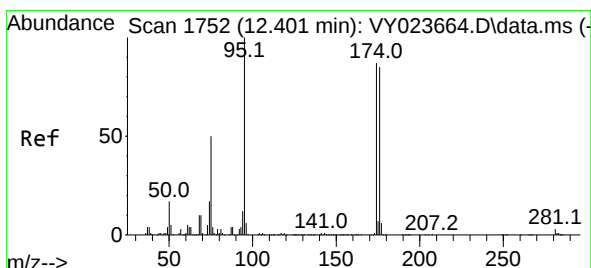
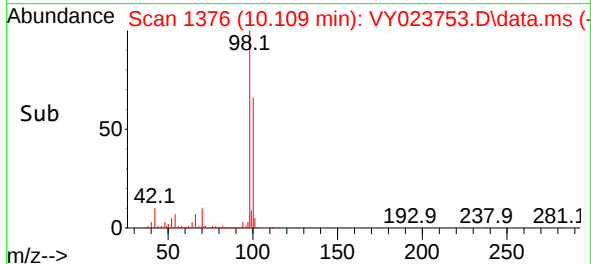
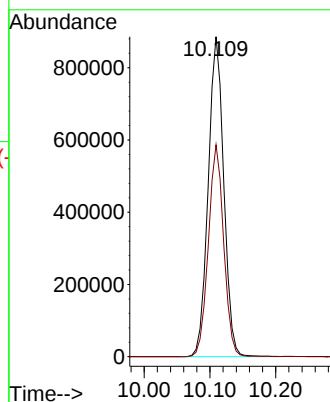
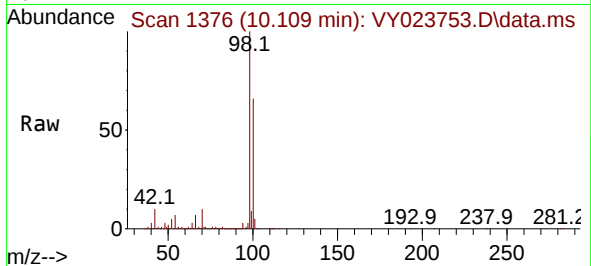




#50
Toluene-d8
Concen: 48.089 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

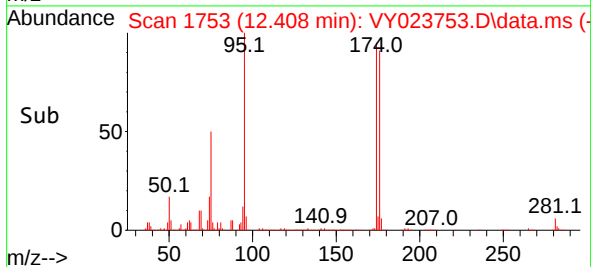
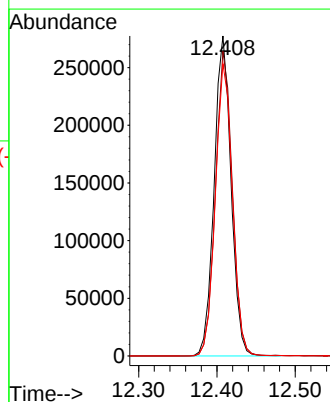
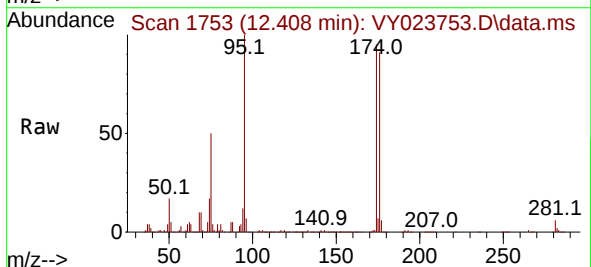
Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

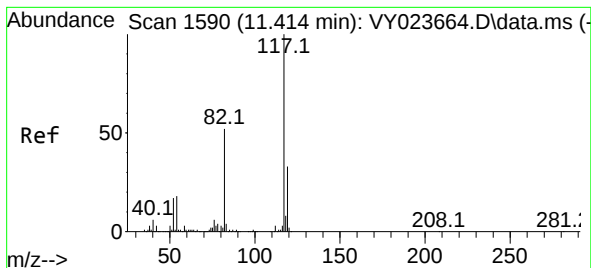
Tgt Ion: 98 Resp: 1458000
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.398 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion: 95 Resp: 415705
Ion Ratio Lower Upper
95 100
174 95.9 0.0 184.8
176 92.6 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023753.D

Acq: 12 Nov 2025 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBL01

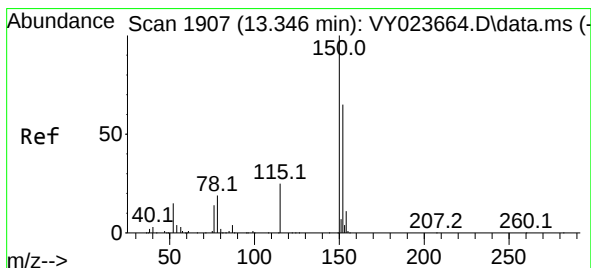
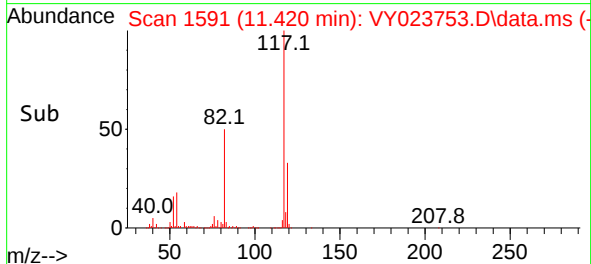
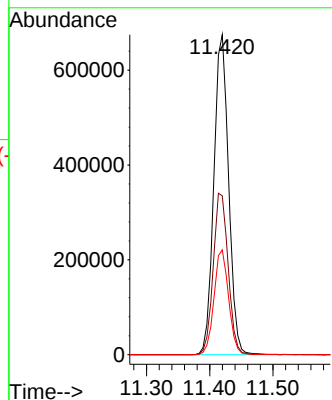
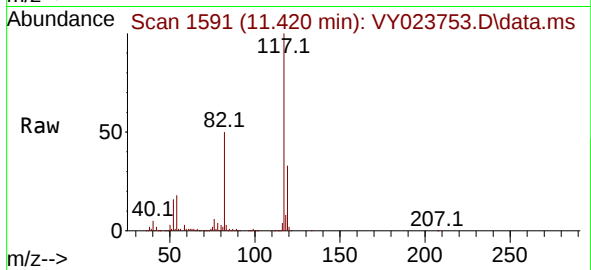
Tgt Ion:117 Resp: 1092818

Ion Ratio Lower Upper

117 100

82 49.6 41.2 61.8

119 32.7 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023753.D

Acq: 12 Nov 2025 10:37

Tgt Ion:152 Resp: 431668

Ion Ratio Lower Upper

152 100

115 55.2 27.5 82.5

150 155.9 0.0 349.0

