

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023243.D
 Acq On : 29 Aug 2025 13:31
 Operator : SY/MD
 Sample : Q2986-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-TP-1

Quant Time: Aug 30 01:21:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	556984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1078071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	994698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	405103	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	316654	59.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.300%
35) Dibromofluoromethane	7.634	113	359771	55.771	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.540%
50) Toluene-d8	10.109	98	1301983	51.664	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.407	95	388913	47.987	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.980%

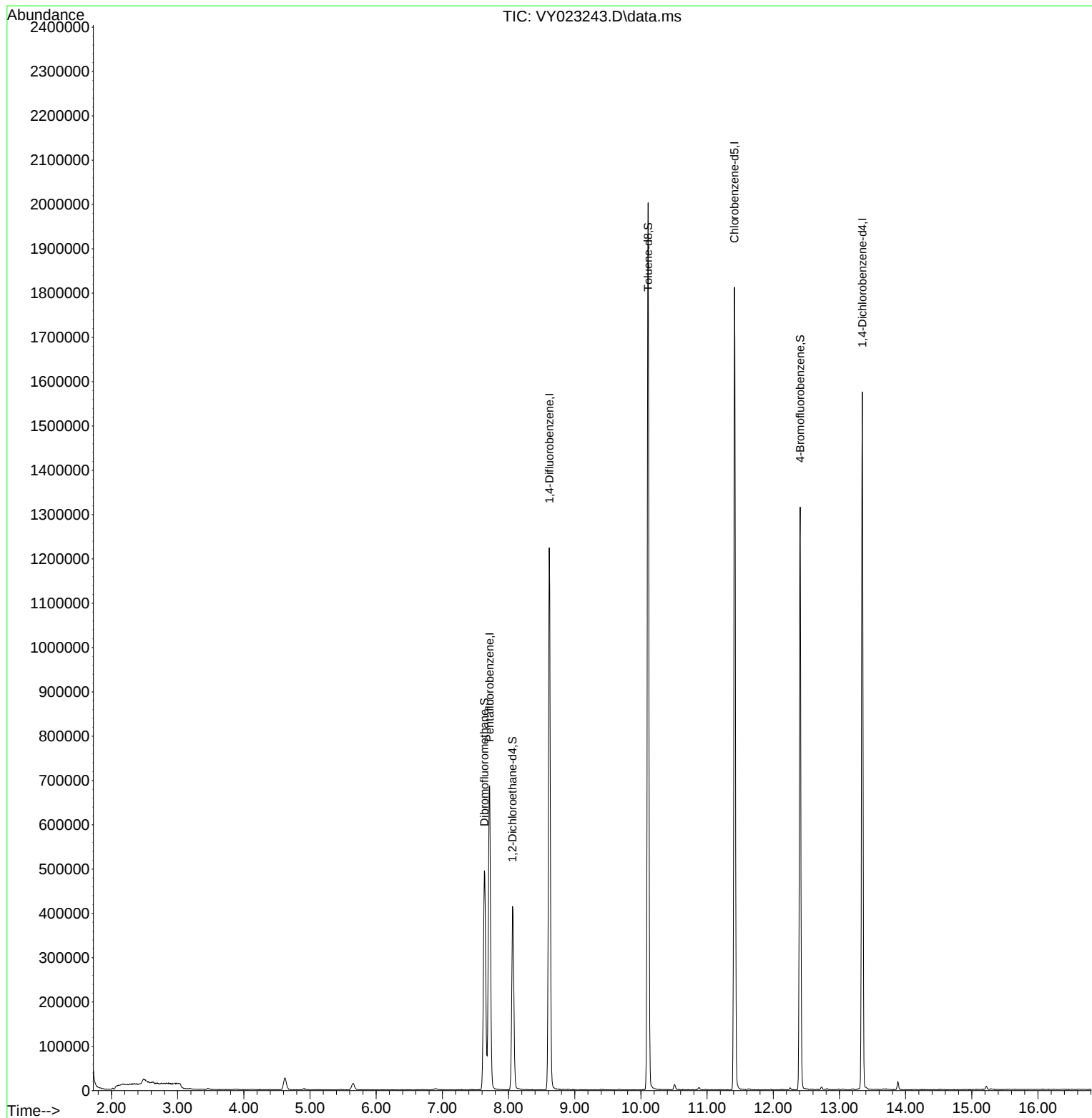
Target Compounds	Qvalue

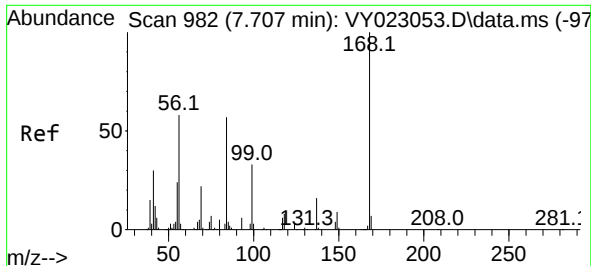
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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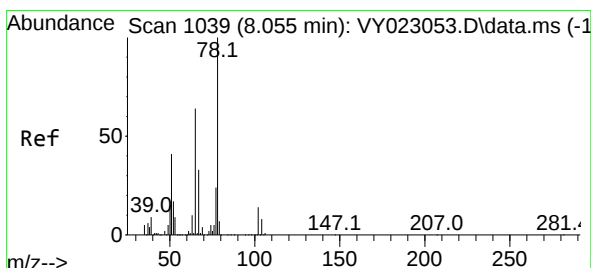
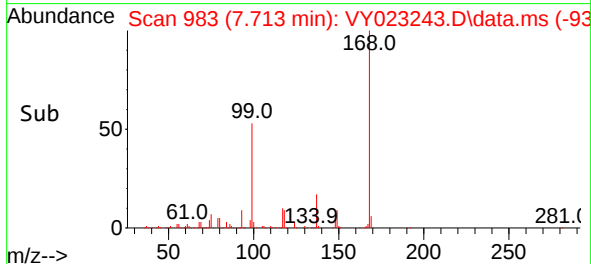
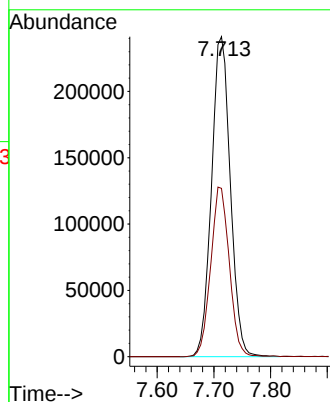
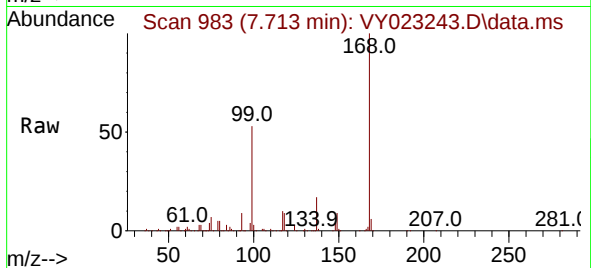




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

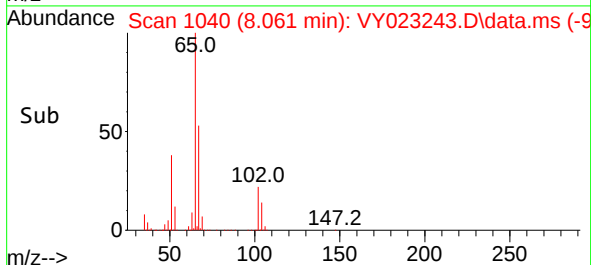
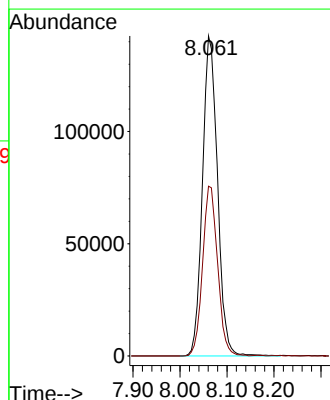
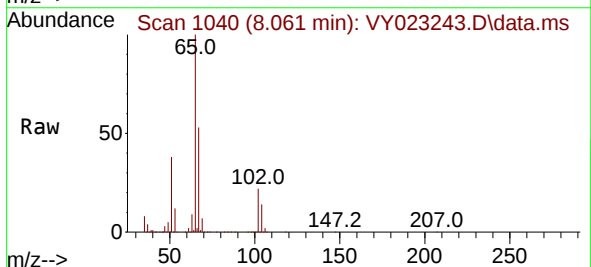
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-1

Tgt Ion:168 Resp: 556984
Ion Ratio Lower Upper
168 100
99 52.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.651 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

Tgt Ion: 65 Resp: 316654
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

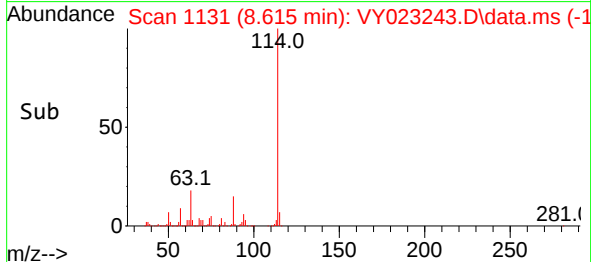
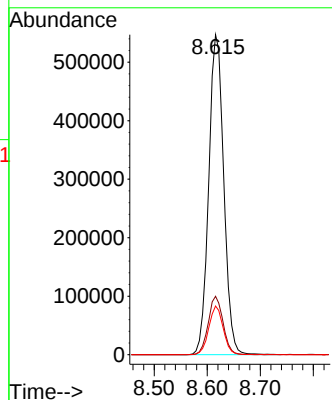
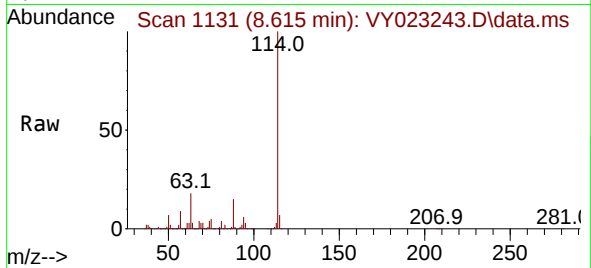




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

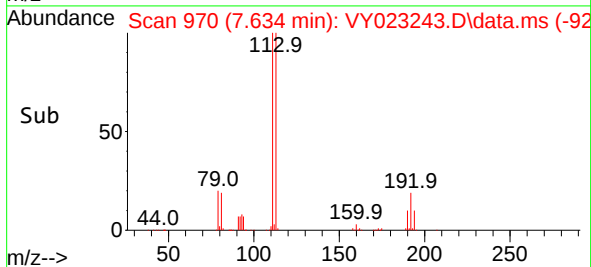
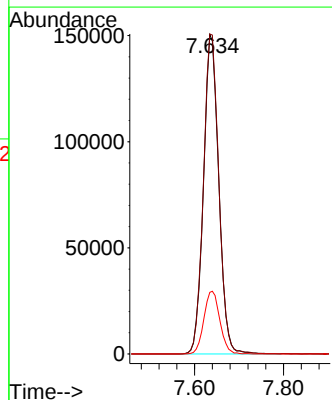
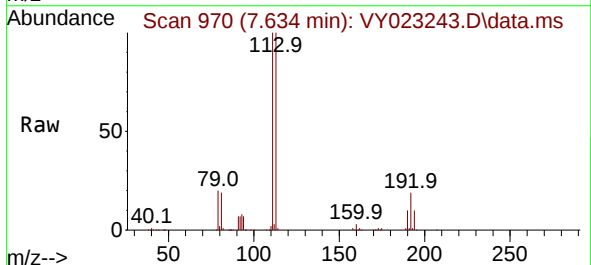
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-1

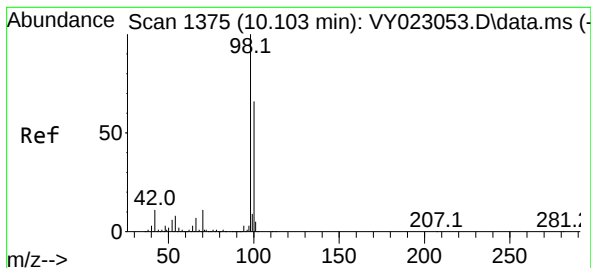
Tgt Ion:114 Resp: 1078071
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 15.2 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.771 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

Tgt Ion:113 Resp: 359771
Ion Ratio Lower Upper
113 100
111 101.4 81.1 121.7
192 20.5 16.2 24.4





#50

Toluene-d8

Concen: 51.664 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023243.D

Acq: 29 Aug 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

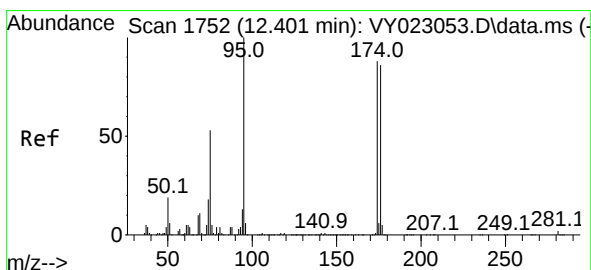
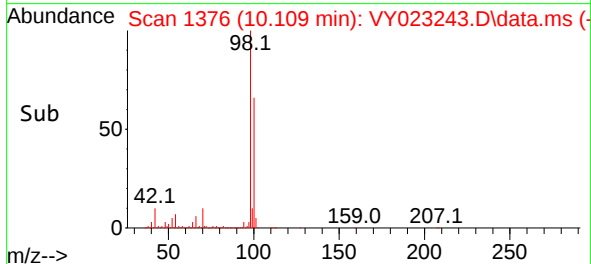
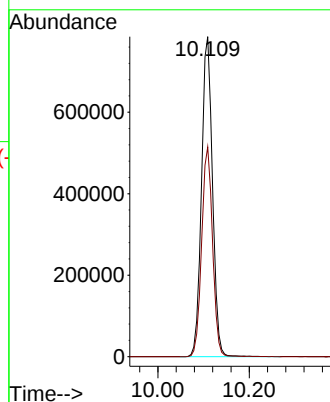
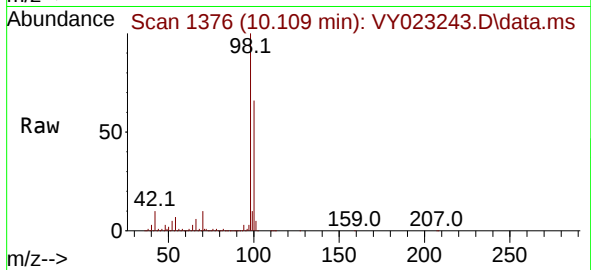
NORTH-TP-1

Tgt Ion: 98 Resp: 1301983

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 47.987 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023243.D

Acq: 29 Aug 2025 13:31

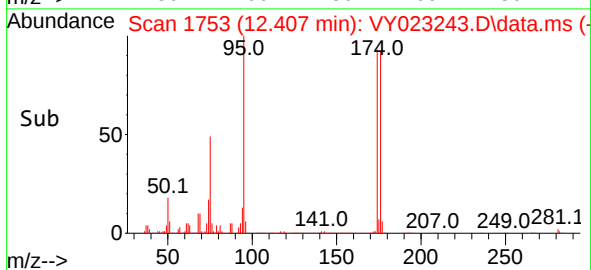
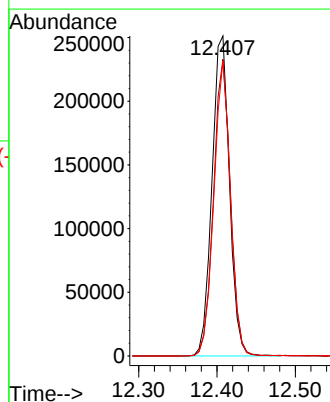
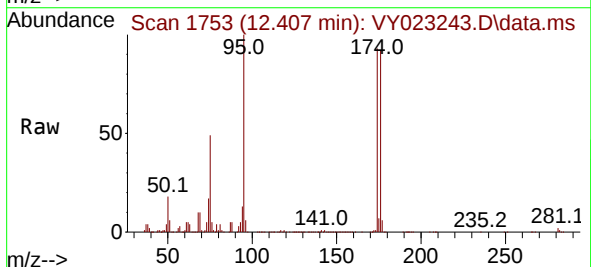
Tgt Ion: 95 Resp: 388913

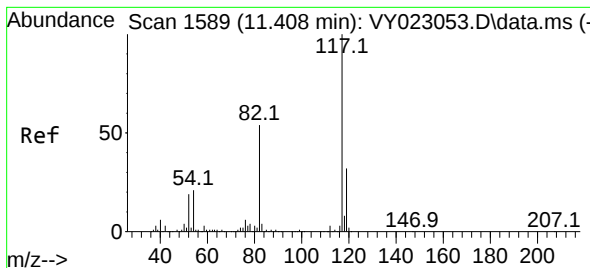
Ion Ratio Lower Upper

95 100

174 90.2 0.0 171.6

176 87.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023243.D

Acq: 29 Aug 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-TP-1

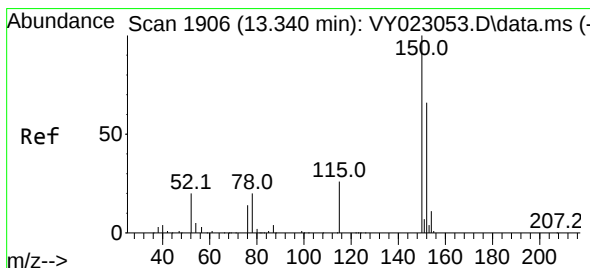
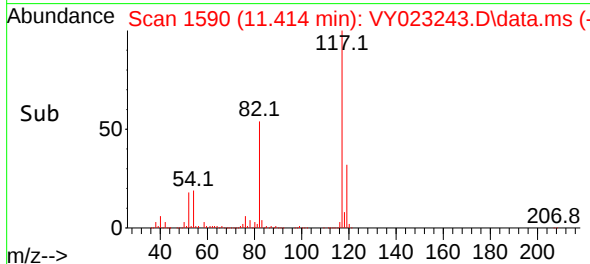
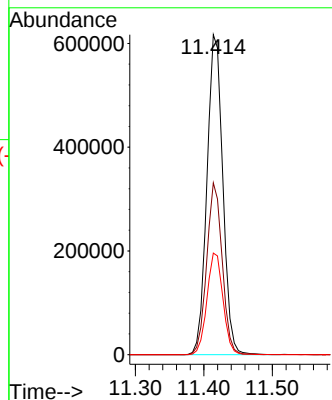
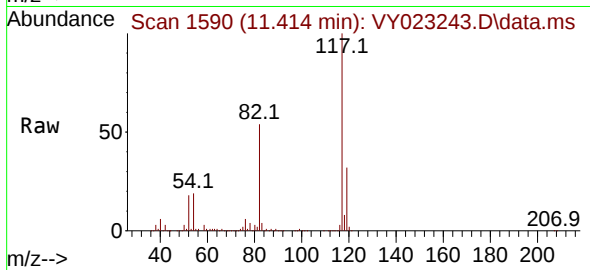
Tgt Ion:117 Resp: 994698

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023243.D

Acq: 29 Aug 2025 13:31

Tgt Ion:152 Resp: 405103

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 157.1 0.0 348.0

