

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021000.D
 Acq On : 31 Jan 2025 10:05
 Operator : SY/MD
 Sample : VY0131SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBL01

Quant Time: Jan 31 22:21:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	188719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	281437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	235934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	111481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	78898	49.103	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.200%
35) Dibromofluoromethane	7.640	113	80754	47.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.460%
50) Toluene-d8	10.109	98	294329	44.570	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.140%
62) 4-Bromofluorobenzene	12.414	95	95002	42.872	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	85.740%

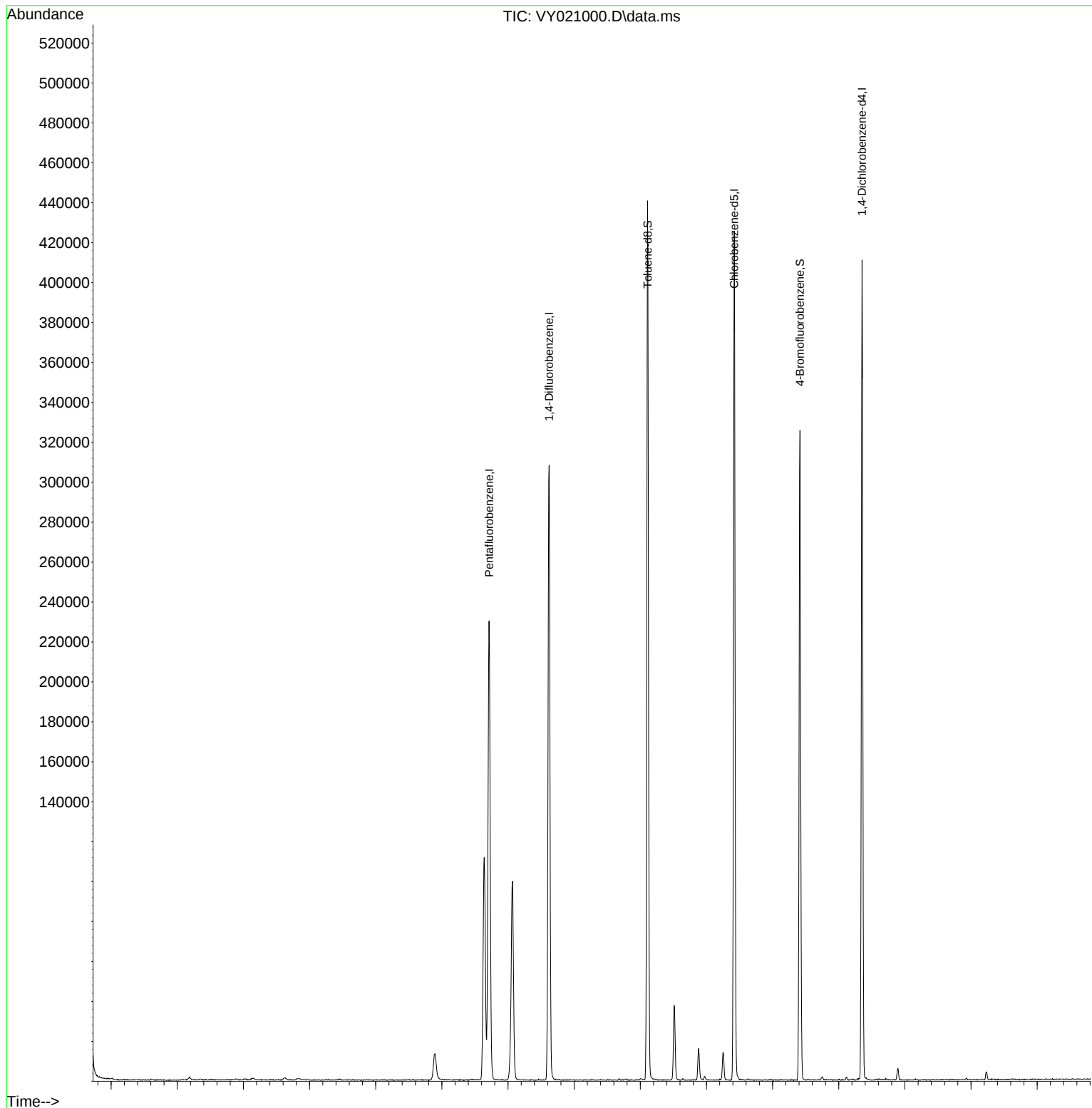
Target Compounds Qvalue

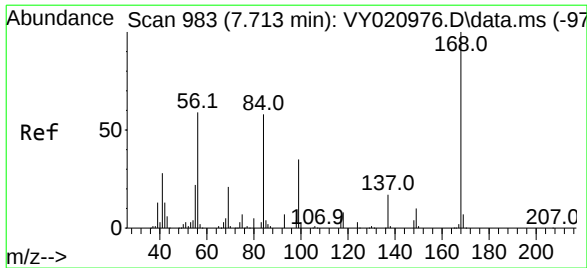
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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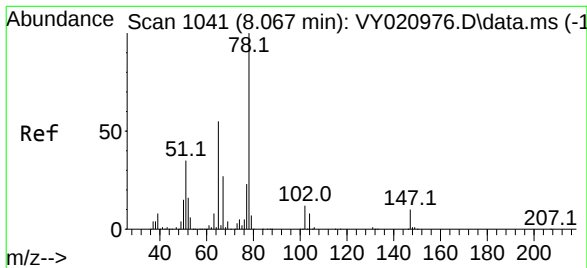
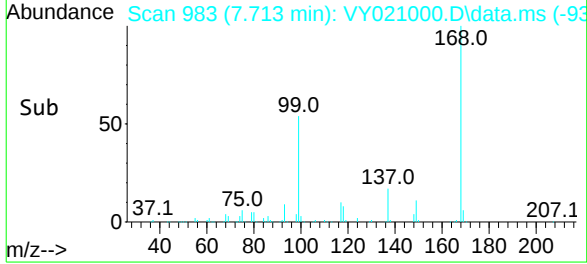
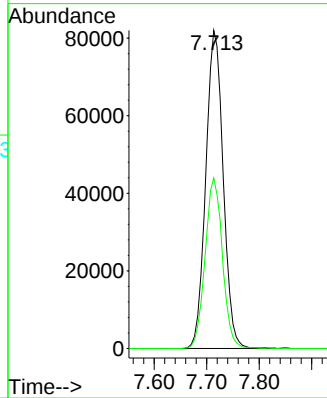
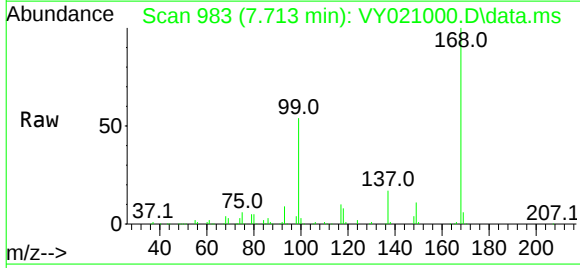




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021000.D
Acq: 31 Jan 2025 10:05

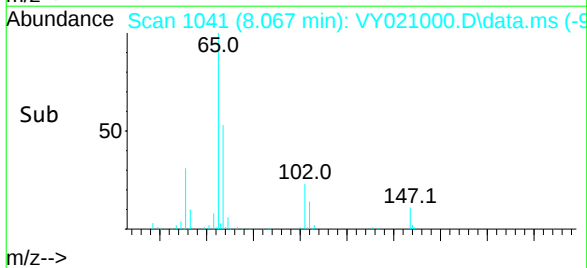
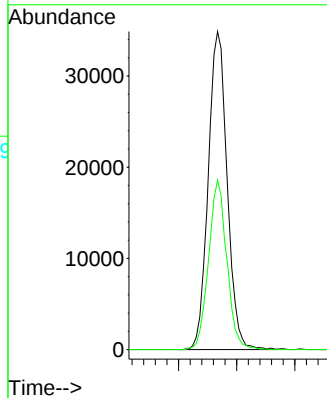
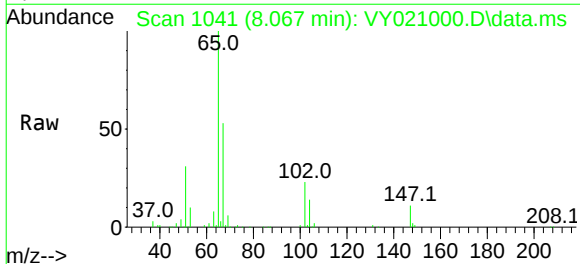
Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBL01

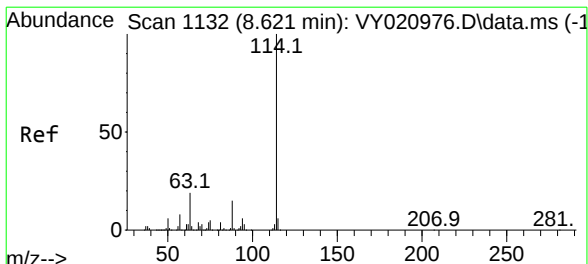
Tgt Ion:168 Resp: 188719
Ion Ratio Lower Upper
168 100
99 53.6 42.2 63.2



#33
1,2-Dichloroethane-d4
Concen: 49.103 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.001 min
Lab File: VY021000.D
Acq: 31 Jan 2025 10:05

Tgt Ion: 65 Resp: 78898
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4

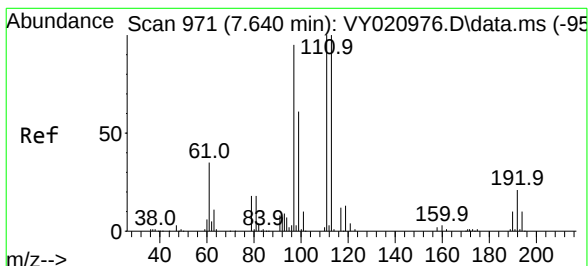
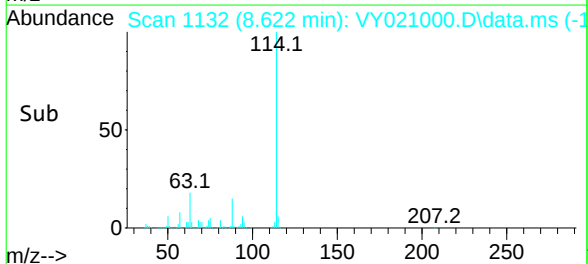
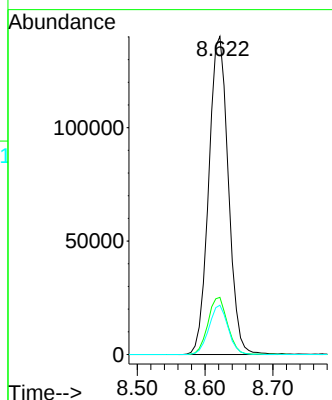
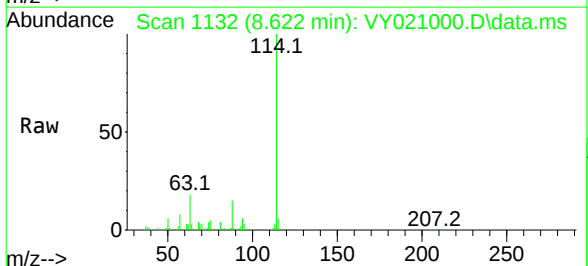




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY021000.D
 Acq: 31 Jan 2025 10:05

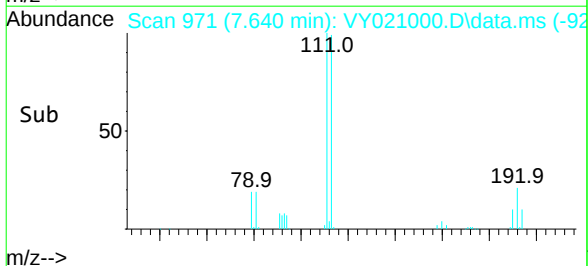
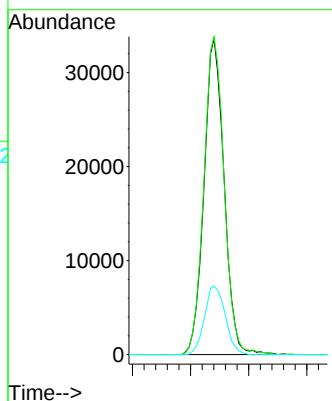
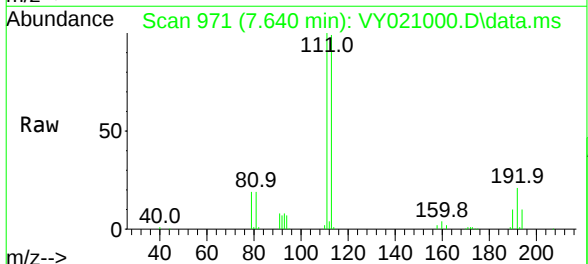
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBL01

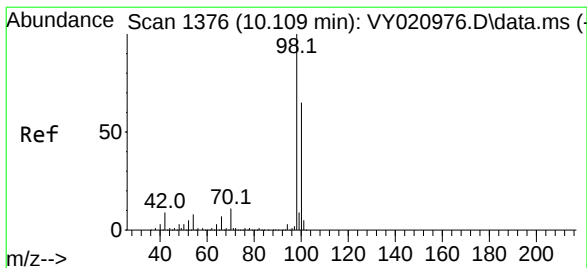
Tgt Ion:	114	Resp:	281437
Ion Ratio	Lower	Upper	
114	100		
63	18.0	0.0	37.2
88	15.5	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 47.728 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. 0.000 min
 Lab File: VY021000.D
 Acq: 31 Jan 2025 10:05

Tgt Ion:	113	Resp:	80754
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.6	123.8
192	22.3	16.8	25.2





#50

Toluene-d8

Concen: 44.570 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.001 min

Lab File: VY021000.D

Acq: 31 Jan 2025 10:05

Instrument :

MSVOA_Y

ClientSampleId :

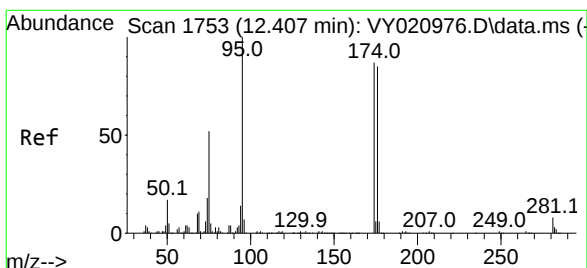
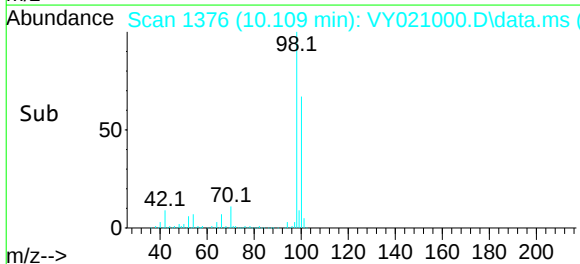
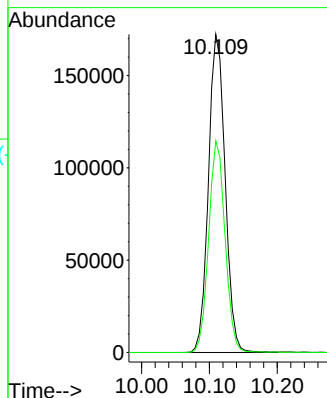
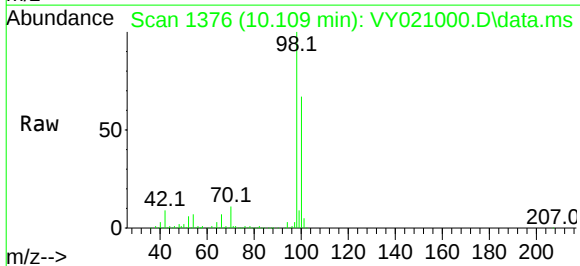
VY0131SBL01

Tgt Ion: 98 Resp: 294329

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 42.872 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.007 min

Lab File: VY021000.D

Acq: 31 Jan 2025 10:05

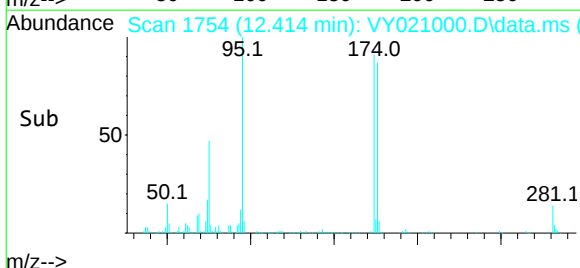
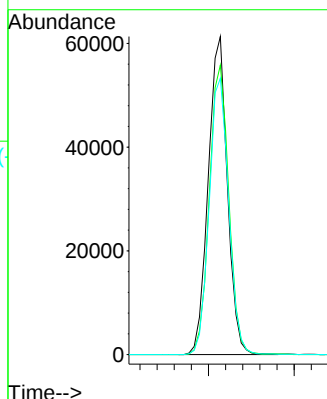
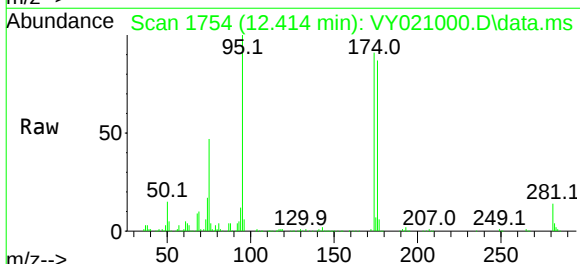
Tgt Ion: 95 Resp: 95002

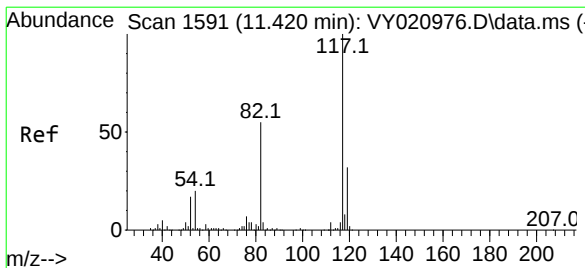
Ion Ratio Lower Upper

95 100

174 92.4 0.0 181.2

176 88.7 0.0 175.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021000.D

Acq: 31 Jan 2025 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBL01

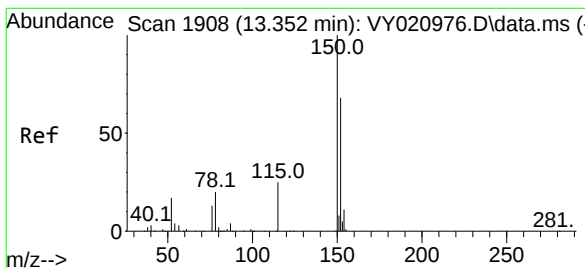
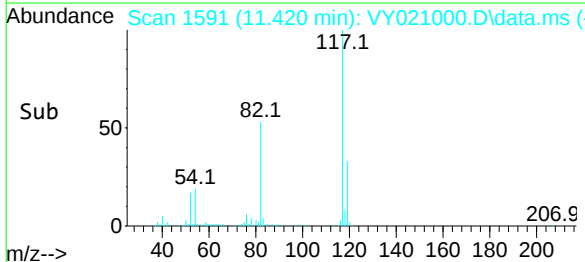
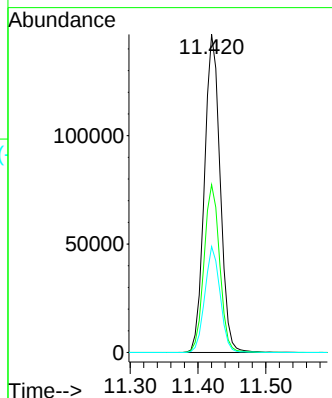
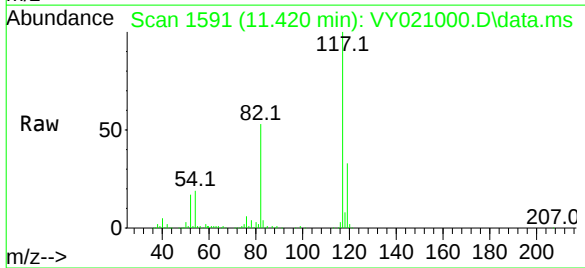
Tgt Ion:117 Resp: 235934

Ion Ratio Lower Upper

117 100

82 52.7 44.2 66.2

119 33.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.001 min

Lab File: VY021000.D

Acq: 31 Jan 2025 10:05

Tgt Ion:152 Resp: 111481

Ion Ratio Lower Upper

152 100

115 56.2 28.4 85.2

150 155.8 0.0 342.8

