

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021005.D
 Acq On : 31 Jan 2025 13:17
 Operator : SY/MD
 Sample : Q1239-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 286

Quant Time: Jan 31 22:24:07 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	145936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	220497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	177532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	72218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	58460	47.050	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.100%
35) Dibromofluoromethane	7.640	113	59917	45.200	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.400%
50) Toluene-d8	10.109	98	209447	40.482	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.960%
62) 4-Bromofluorobenzene	12.408	95	61619	35.493	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	70.980%

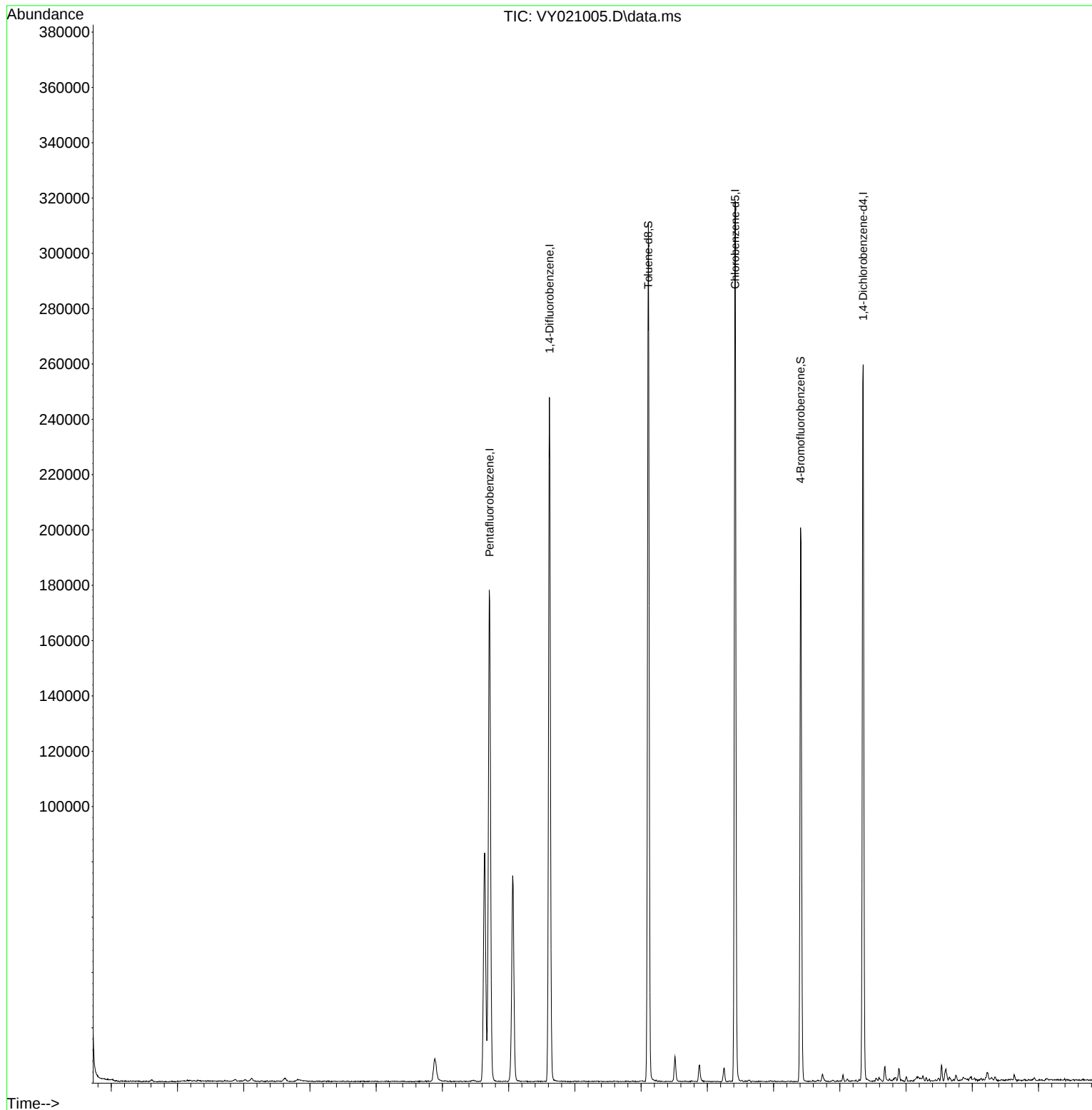
Target Compounds Qvalue

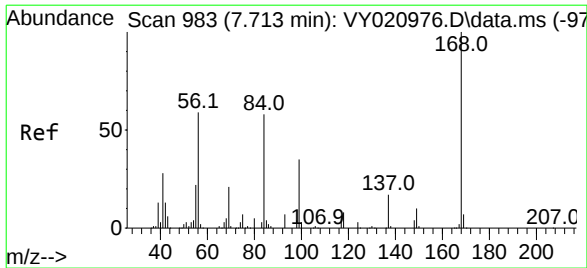
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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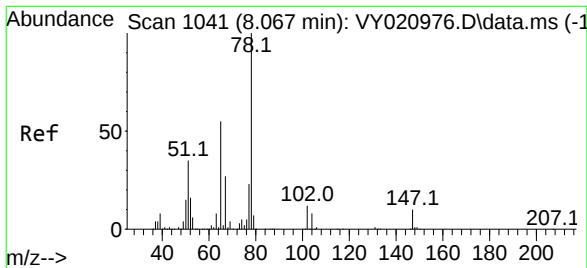
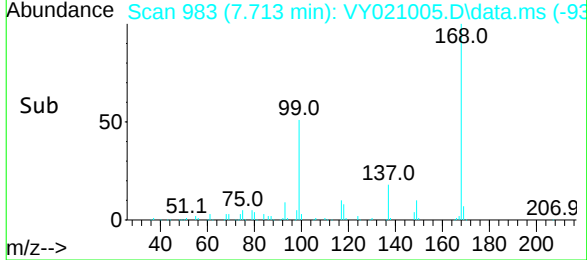
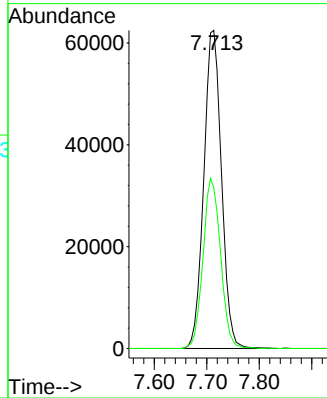
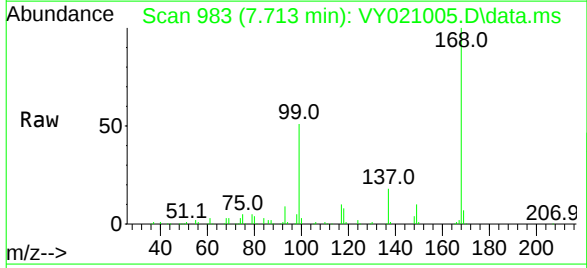




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY021005.D
Acq: 31 Jan 2025 13:17

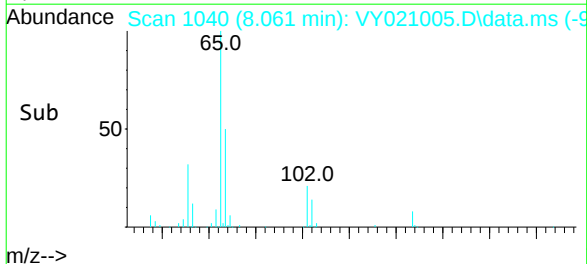
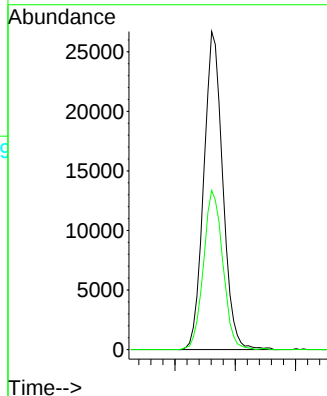
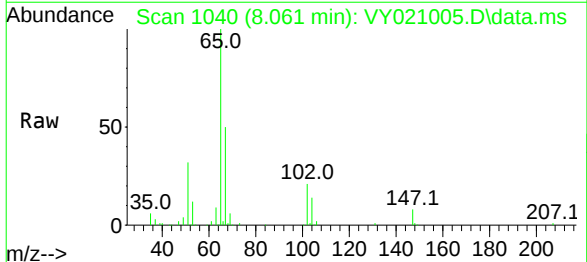
Instrument :
MSVOA_Y
ClientSampleId :
286

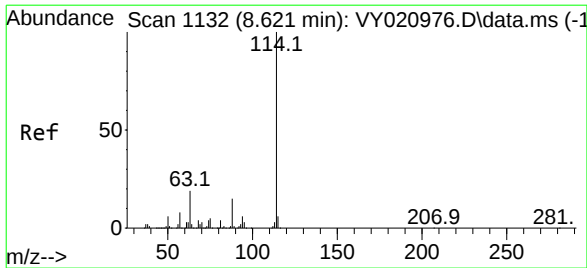
Tgt Ion:168 Resp: 145936
Ion Ratio Lower Upper
168 100
99 50.5 42.2 63.2



#33
1,2-Dichloroethane-d4
Concen: 47.050 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021005.D
Acq: 31 Jan 2025 13:17

Tgt Ion: 65 Resp: 58460
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.4

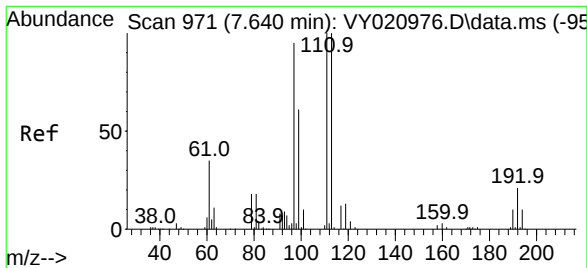
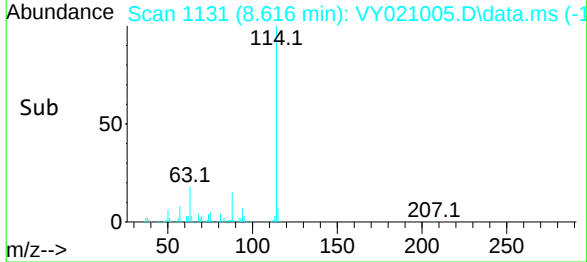
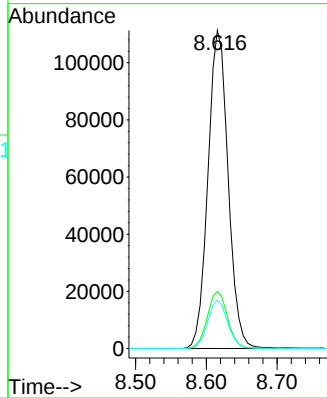
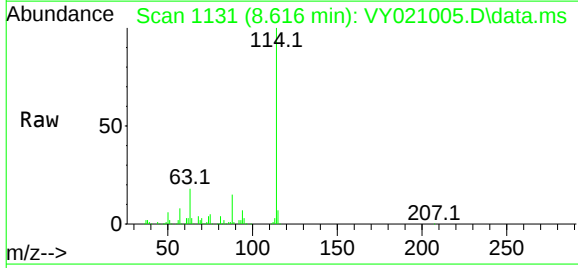




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021005.D
Acq: 31 Jan 2025 13:17

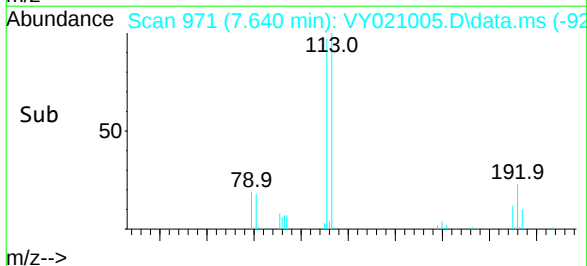
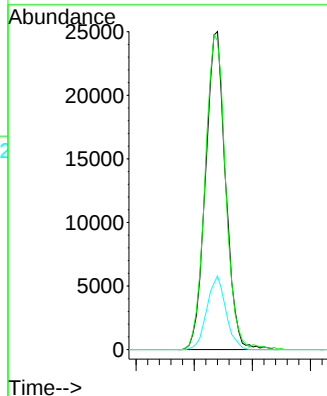
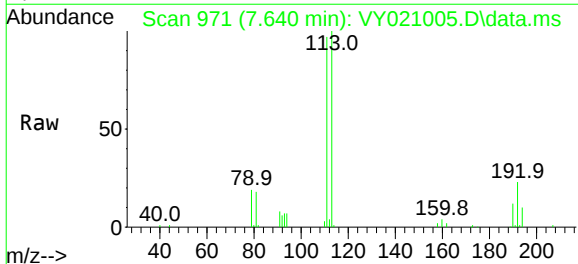
Instrument :
MSVOA_Y
ClientSampleId :
286

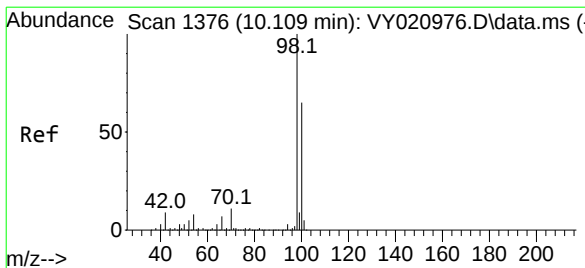
Tgt Ion:	114	Resp:	220497
Ion Ratio	Lower	Upper	
114	100		
63	17.9	0.0	37.2
88	15.2	0.0	29.6



#35
Dibromofluoromethane
Concen: 45.200 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY021005.D
Acq: 31 Jan 2025 13:17

Tgt Ion:	113	Resp:	59917
Ion Ratio	Lower	Upper	
113	100		
111	100.7	82.6	123.8
192	21.9	16.8	25.2





#50

Toluene-d8

Concen: 40.482 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021005.D

Acq: 31 Jan 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

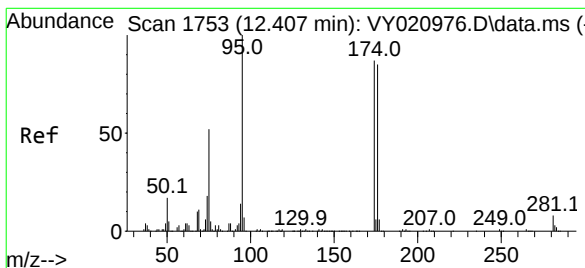
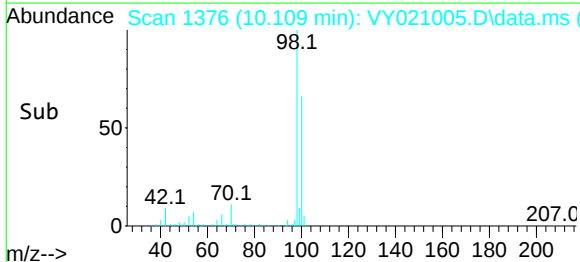
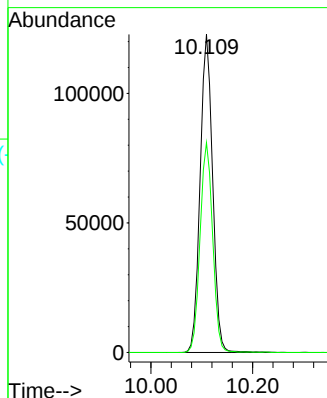
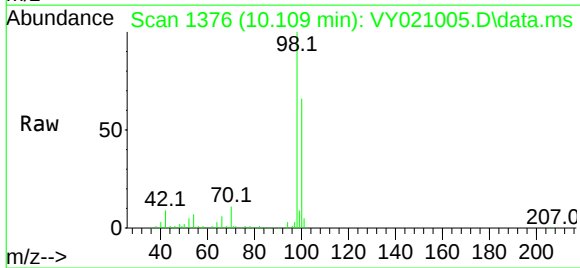
286

Tgt Ion: 98 Resp: 209447

Ion Ratio Lower Upper

98 100

100 66.3 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 35.493 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021005.D

Acq: 31 Jan 2025 13:17

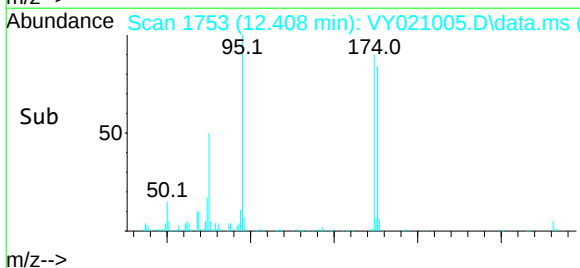
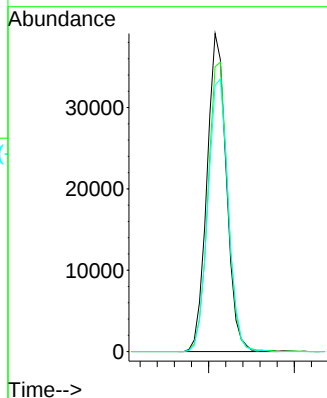
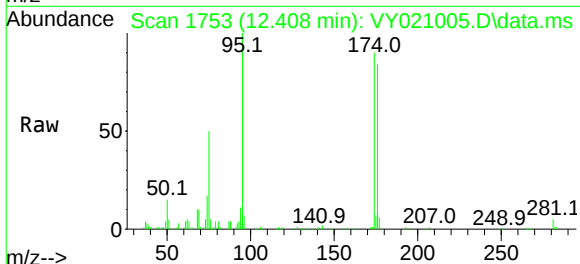
Tgt Ion: 95 Resp: 61619

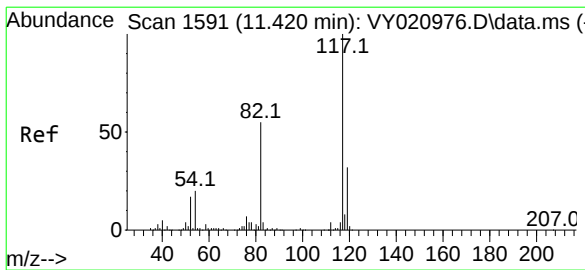
Ion Ratio Lower Upper

95 100

174 92.7 0.0 181.2

176 89.1 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: VY021005.D

Acq: 31 Jan 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

286

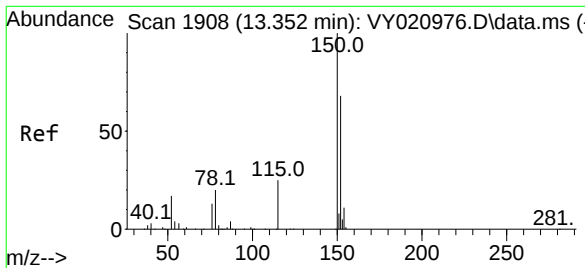
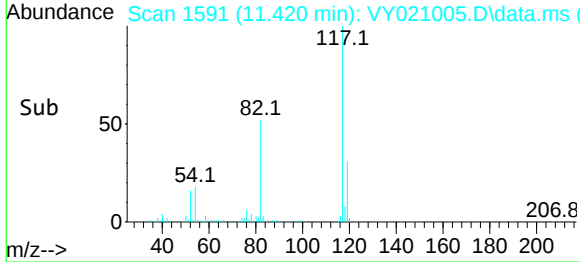
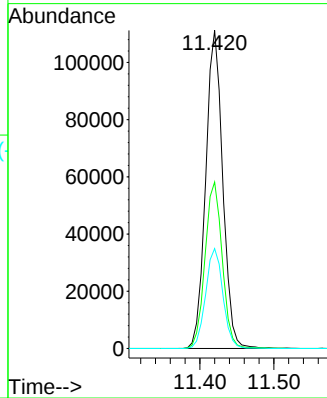
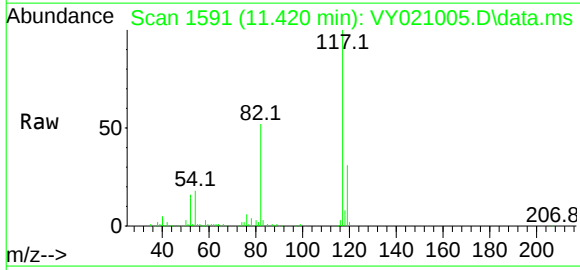
Tgt Ion:117 Resp: 177532

Ion Ratio Lower Upper

117 100

82 52.3 44.2 66.2

119 31.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021005.D

Acq: 31 Jan 2025 13:17

Tgt Ion:152 Resp: 72218

Ion Ratio Lower Upper

152 100

115 56.1 28.4 85.2

150 155.9 0.0 342.8

