

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022642.D
 Acq On : 10 Jun 2025 11:59
 Operator : SY/MD
 Sample : Q2223-03RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-06042025RE

Quant Time: Jun 11 01:49:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	53468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	83425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	55257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	16296	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	23556	39.391	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.780%
35) Dibromofluoromethane	7.640	113	25132	50.471	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.940%
50) Toluene-d8	10.109	98	94622	47.028	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.060%
62) 4-Bromofluorobenzene	12.408	95	17790	29.676	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.360%

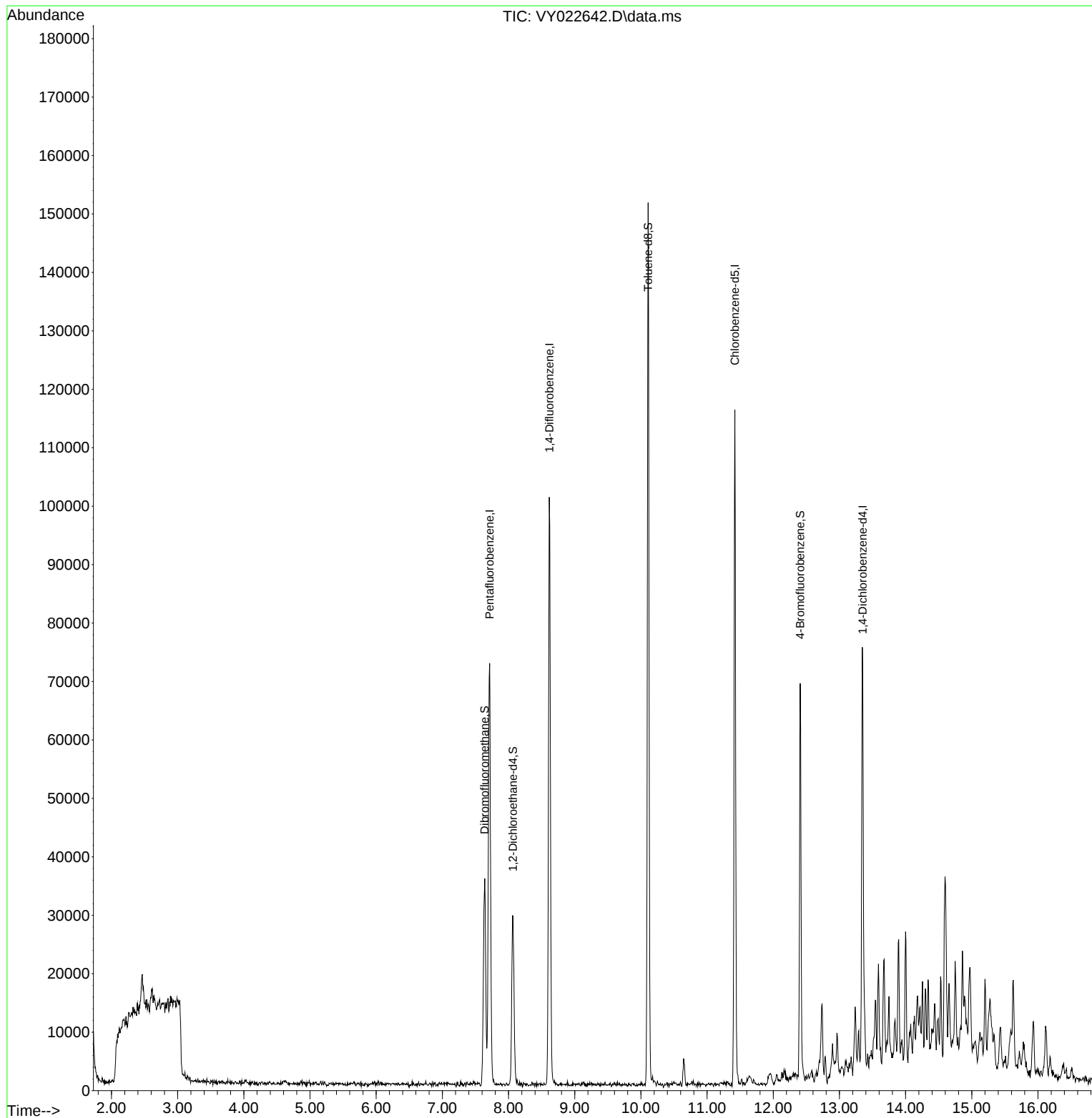
Target Compounds	Qvalue

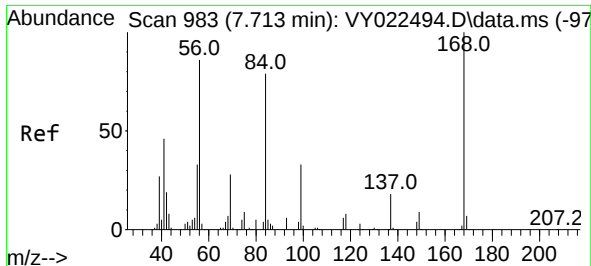
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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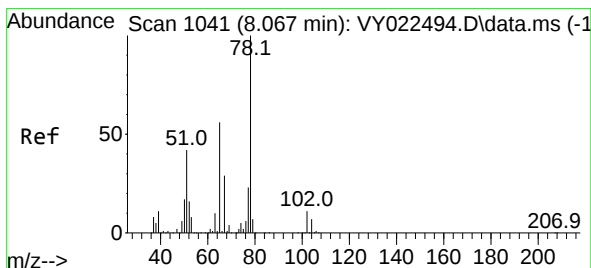
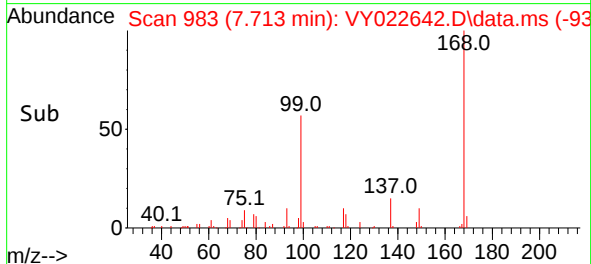
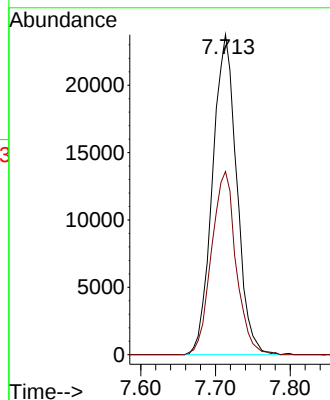
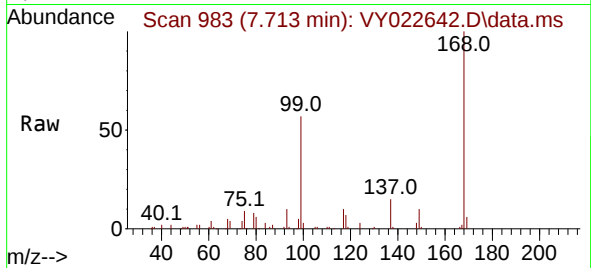




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022642.D
Acq: 10 Jun 2025 11:59

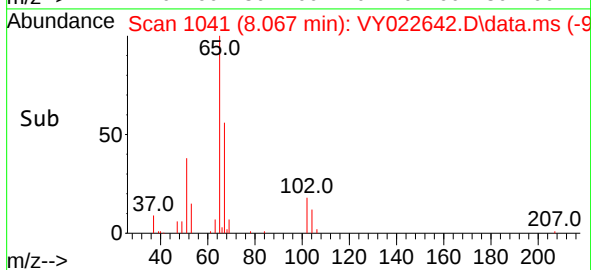
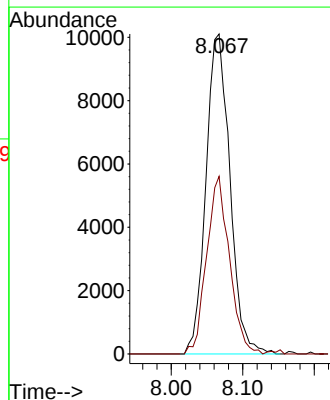
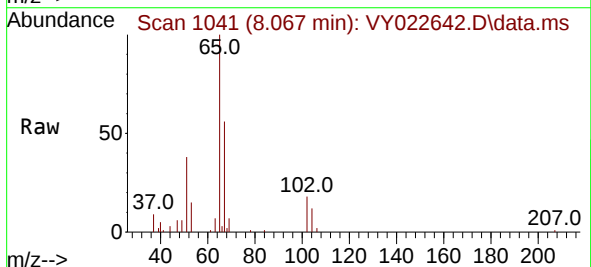
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025RE

Tgt Ion:168 Resp: 53468
Ion Ratio Lower Upper
168 100
99 57.2 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 39.391 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022642.D
Acq: 10 Jun 2025 11:59

Tgt Ion: 65 Resp: 23556
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

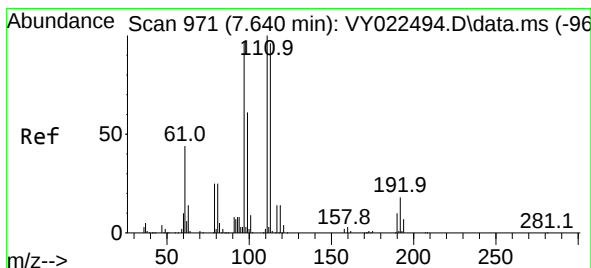
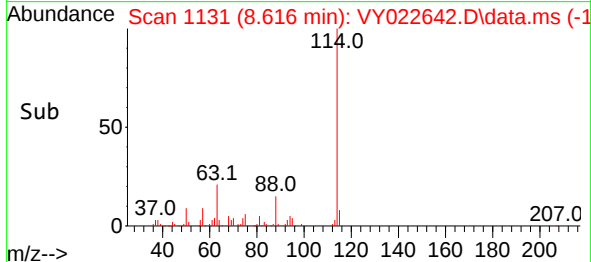
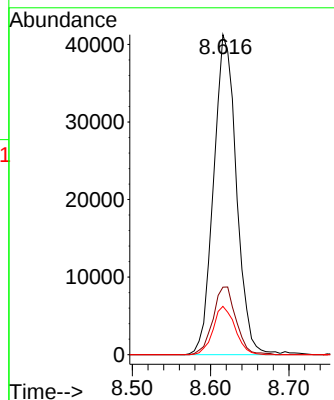
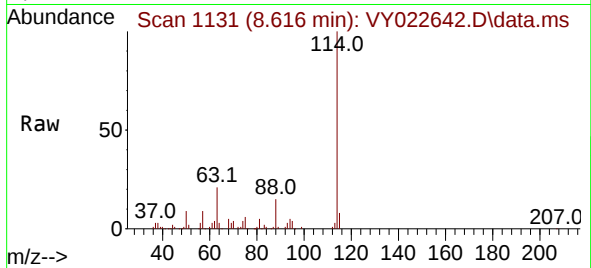




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022642.D
Acq: 10 Jun 2025 11:59

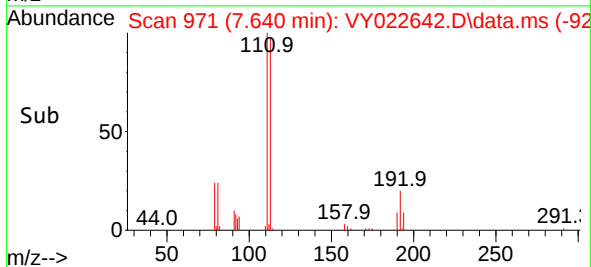
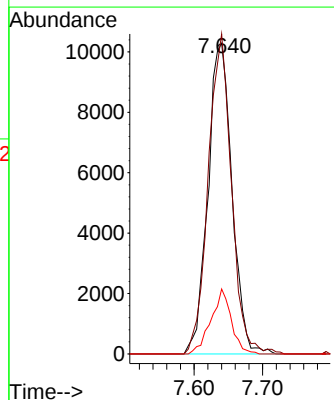
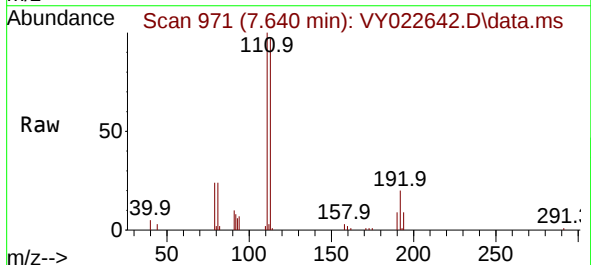
Instrument :
MSVOA_Y
ClientSampleId :
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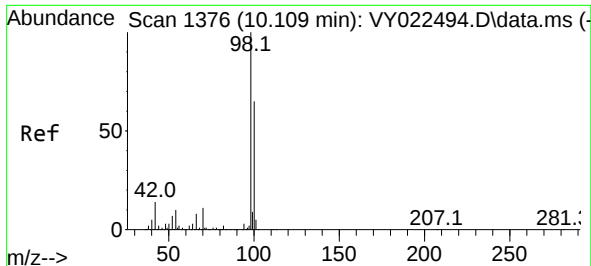
Tgt Ion:	114	Resp:	83425
Ion Ratio	Lower	Upper	
114	100		
63	21.1	0.0	40.8
88	15.1	0.0	27.8



#35
Dibromofluoromethane
Concen: 50.471 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022642.D
Acq: 10 Jun 2025 11:59

Tgt Ion:	113	Resp:	25132
Ion Ratio	Lower	Upper	
113	100		
111	99.3	81.1	121.7
192	17.6	14.2	21.2

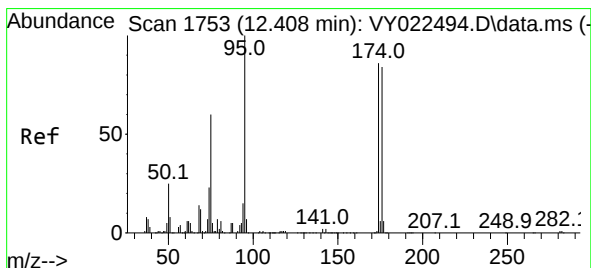
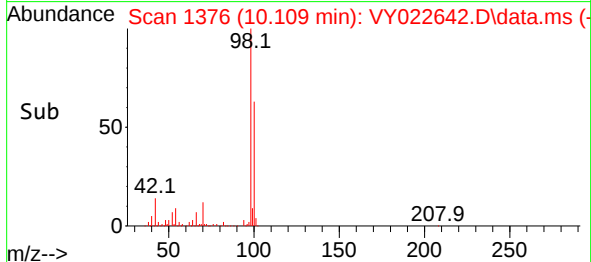
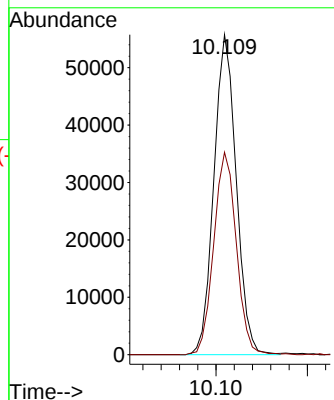
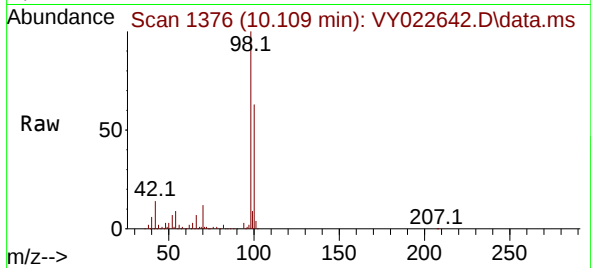




#50
Toluene-d8
Concen: 47.028 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022642.D
Acq: 10 Jun 2025 11:59

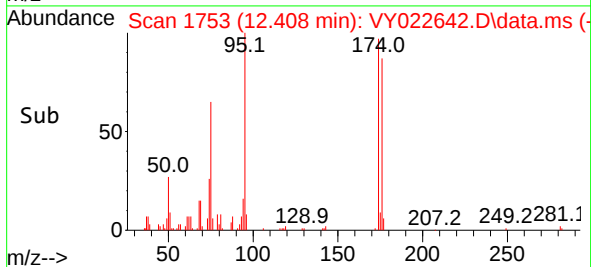
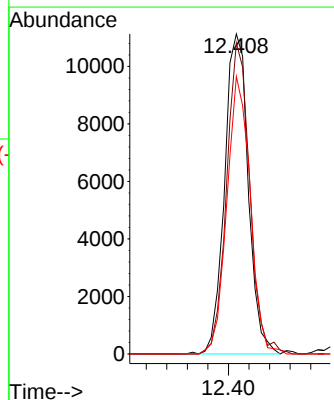
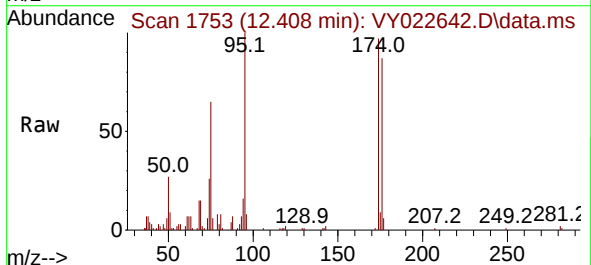
Instrument :
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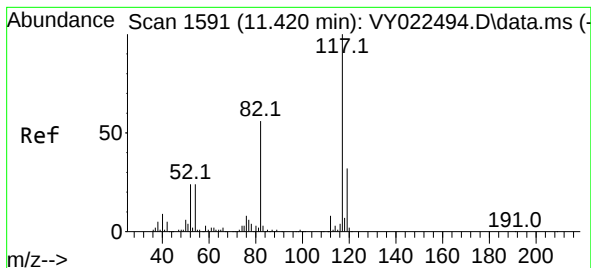
Tgt Ion: 98 Resp: 94622
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 29.676 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022642.D
Acq: 10 Jun 2025 11:59

Tgt Ion: 95 Resp: 17790
Ion Ratio Lower Upper
95 100
174 94.6 0.0 170.0
176 85.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022642.D

Acq: 10 Jun 2025 11:59

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-06042025RE

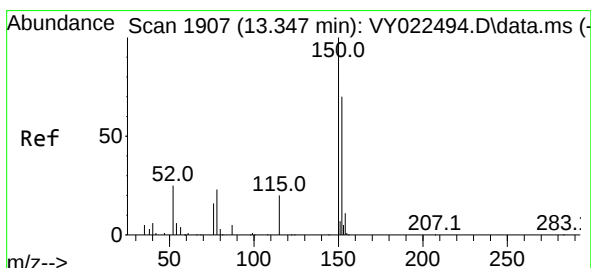
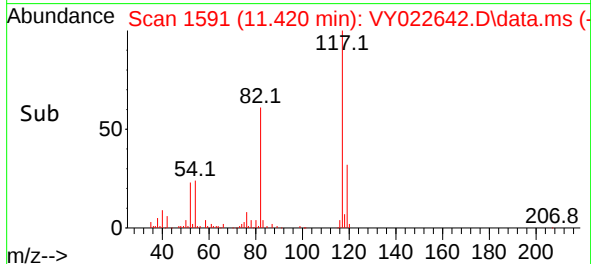
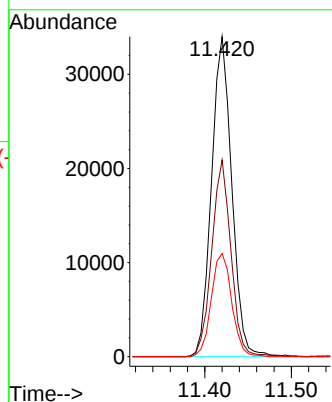
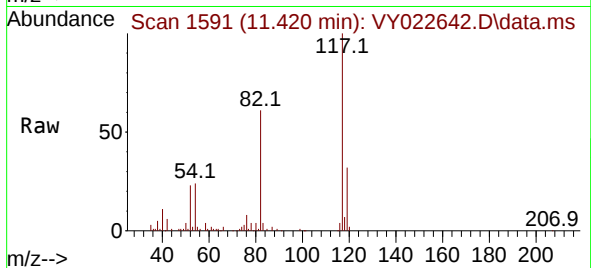
Tgt Ion:117 Resp: 55257

Ion Ratio Lower Upper

117 100

82 61.5 44.6 66.8

119 32.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022642.D

Acq: 10 Jun 2025 11:59

Tgt Ion:152 Resp: 16296

Ion Ratio Lower Upper

152 100

115 65.2 28.9 86.7

150 163.3 0.0 349.6

