

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022482.D
 Acq On : 30 May 2025 16:38
 Operator : SY/MD
 Sample : Q2173-08
 Misc : 5.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-400-CF-402B-VOC-24

Quant Time: May 31 02:30:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	271635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	496811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	401551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139545	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161042	56.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.580%
35) Dibromofluoromethane	7.634	113	152839	52.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.060%
50) Toluene-d8	10.103	98	599560	50.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.100%
62) 4-Bromofluorobenzene	12.401	95	152418	42.484	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.960%

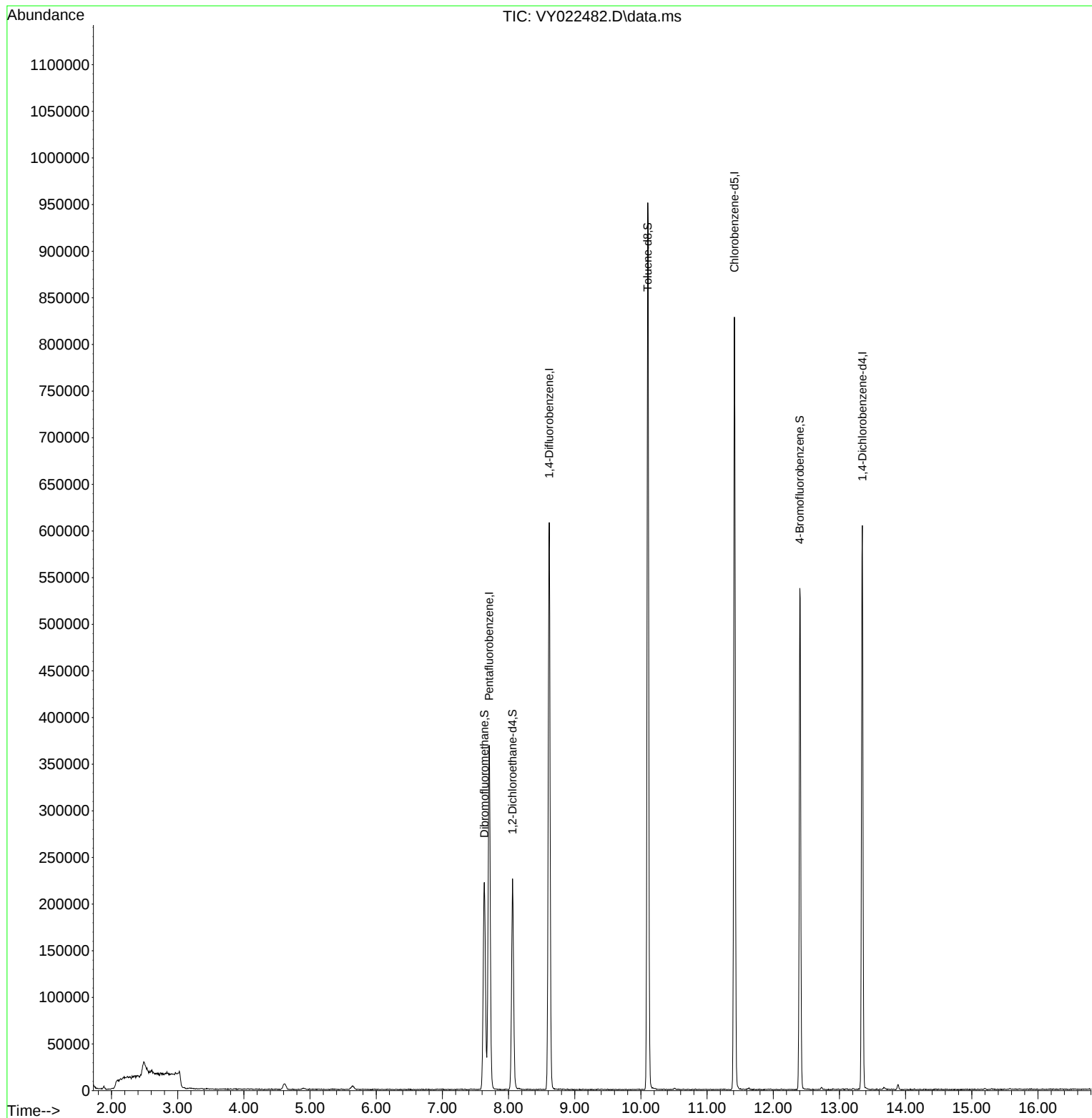
Target Compounds	Qvalue

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

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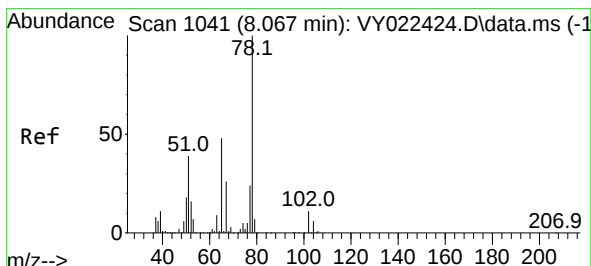
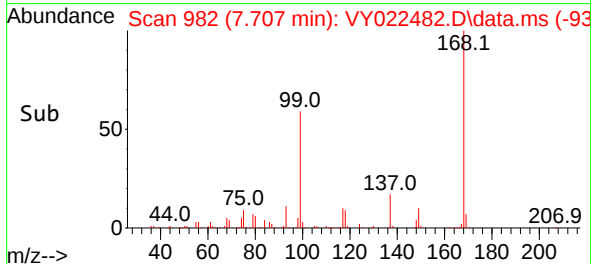
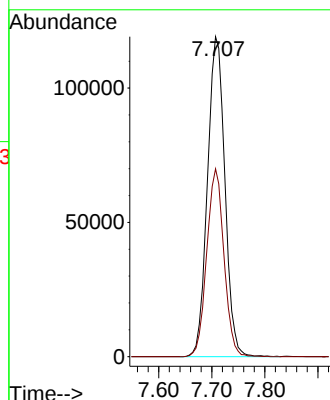
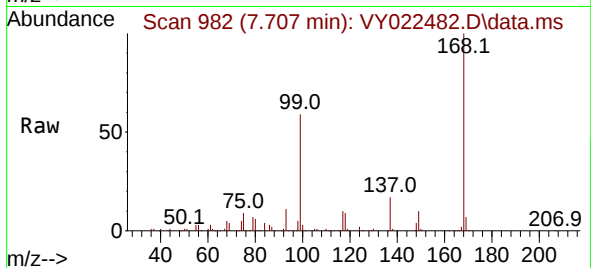




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

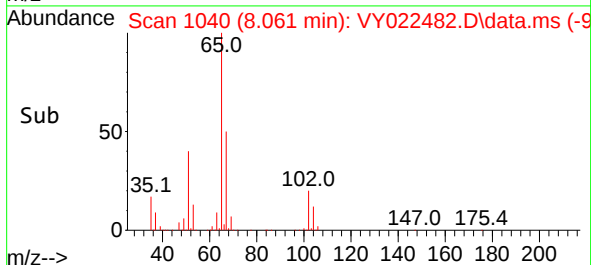
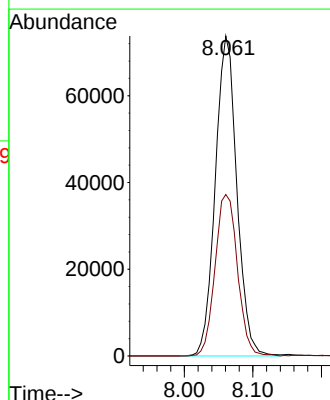
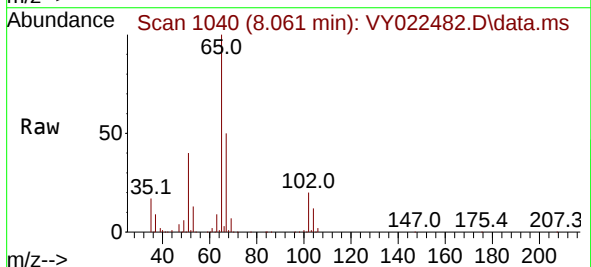
Instrument :
MSVOA_Y
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OR-400-CF-402B-VOC-24

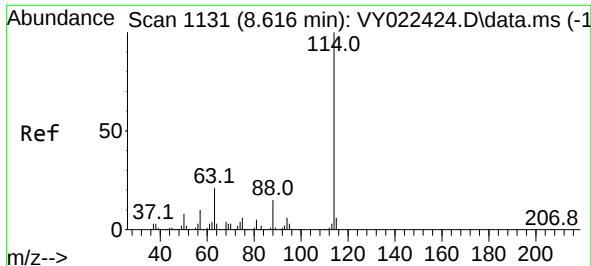
Tgt Ion:168 Resp: 271635
Ion Ratio Lower Upper
168 100
99 58.7 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 56.286 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Tgt Ion: 65 Resp: 161042
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4

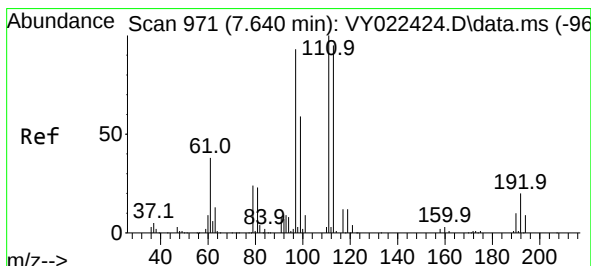
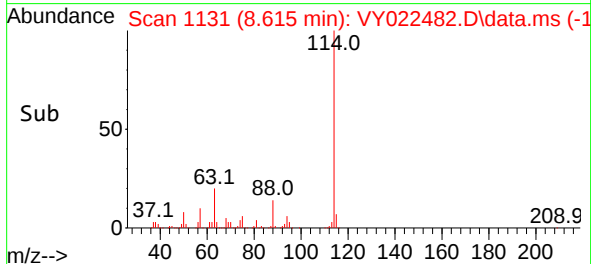
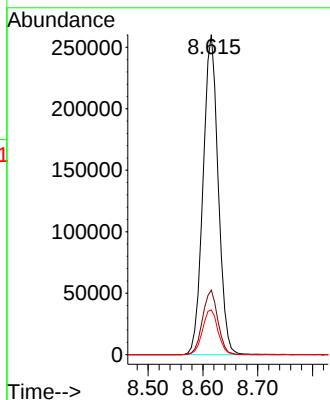
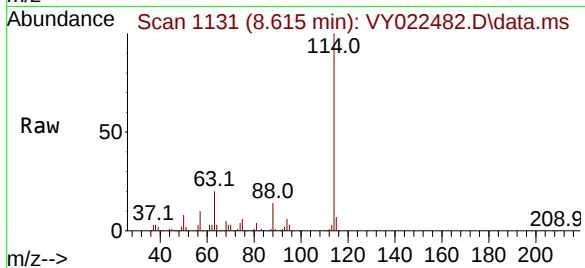




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

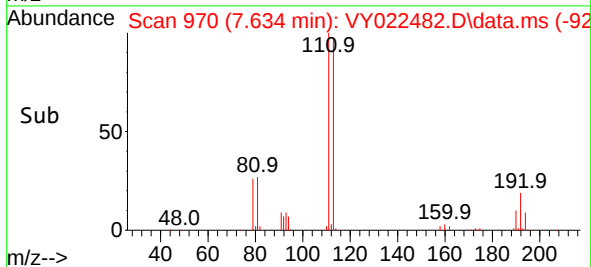
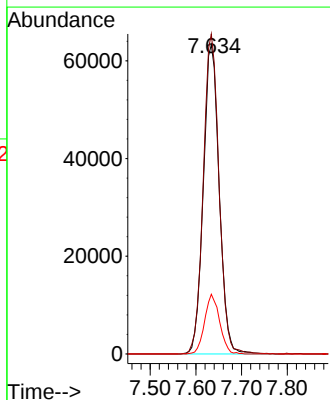
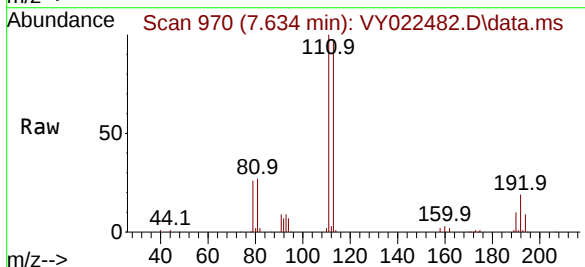
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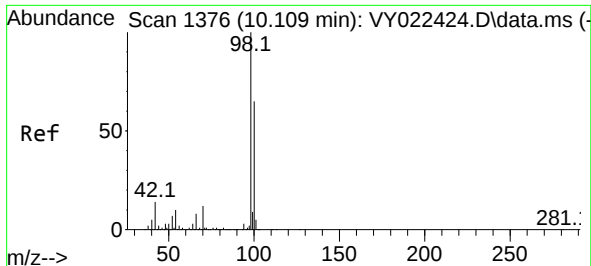
Tgt Ion:	114	Resp:	496811
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.6
88	14.0	0.0	29.4



#35
Dibromofluoromethane
Concen: 52.531 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Tgt Ion:	113	Resp:	152839
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	18.2	15.2	22.8

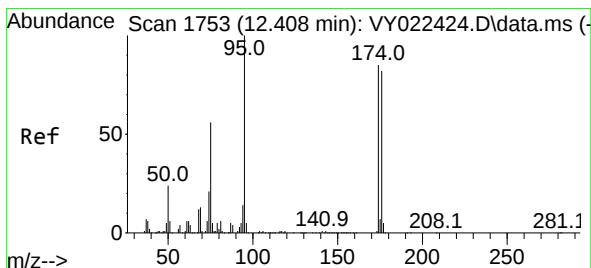
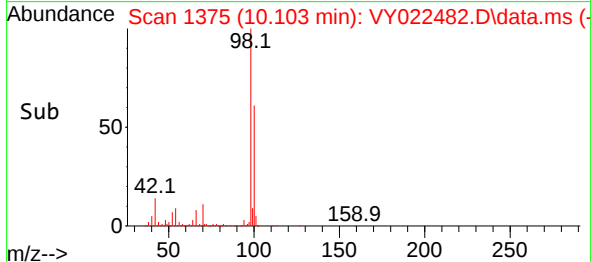
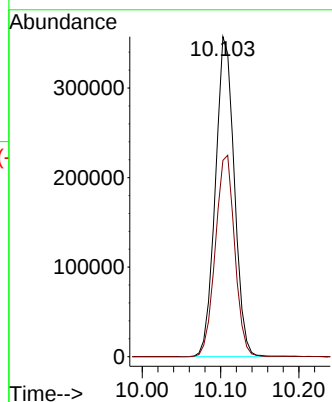
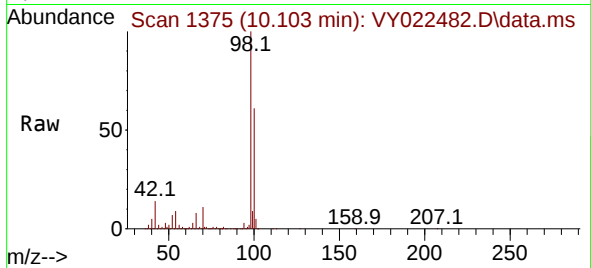




#50
Toluene-d8
Concen: 50.550 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

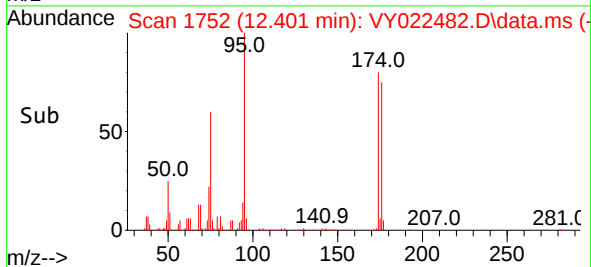
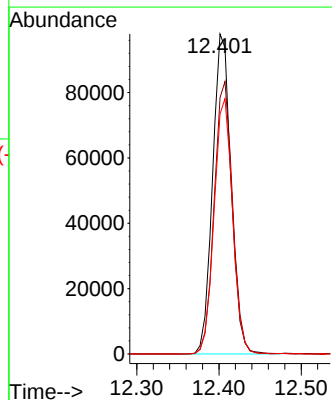
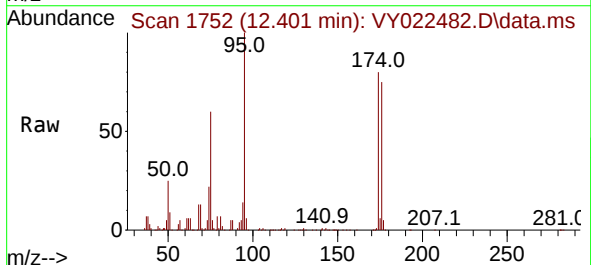
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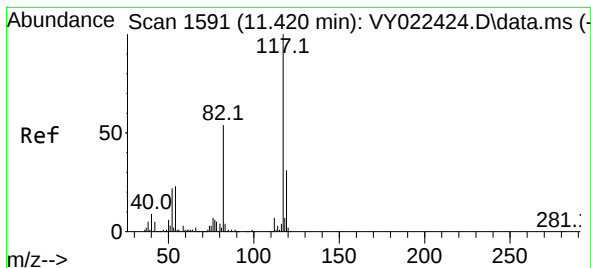
Tgt Ion: 98 Resp: 599560
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 42.484 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Tgt Ion: 95 Resp: 152418
Ion Ratio Lower Upper
95 100
174 84.9 0.0 171.6
176 79.7 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022482.D

Acq: 30 May 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

OR-400-CF-402B-VOC-24

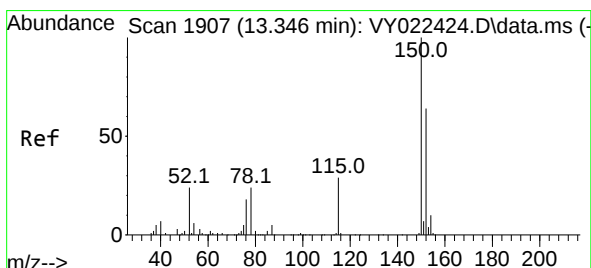
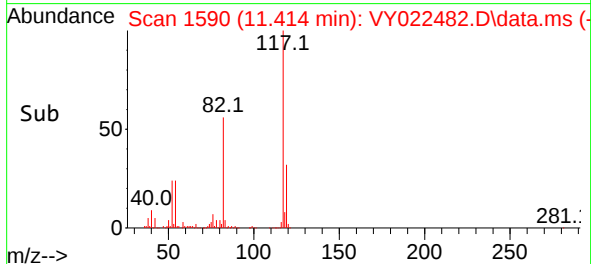
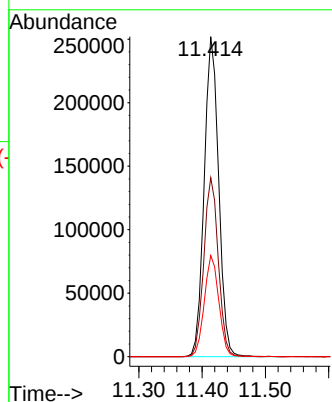
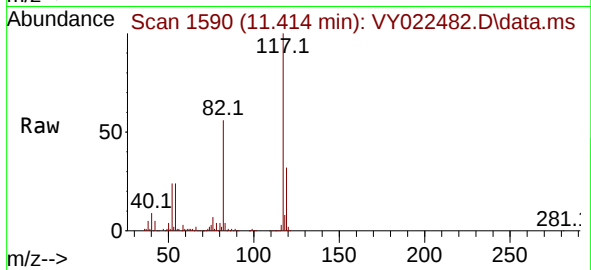
Tgt Ion:117 Resp: 401551

Ion Ratio Lower Upper

117 100

82 55.9 43.3 64.9

119 31.6 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022482.D

Acq: 30 May 2025 16:38

Tgt Ion:152 Resp: 139545

Ion Ratio Lower Upper

152 100

115 57.2 28.4 85.3

150 160.3 0.0 345.8

