

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022865.D
 Acq On : 27 Jun 2025 16:30
 Operator : SY/MD
 Sample : Q2436-10
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-82

Quant Time: Jun 27 23:20:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

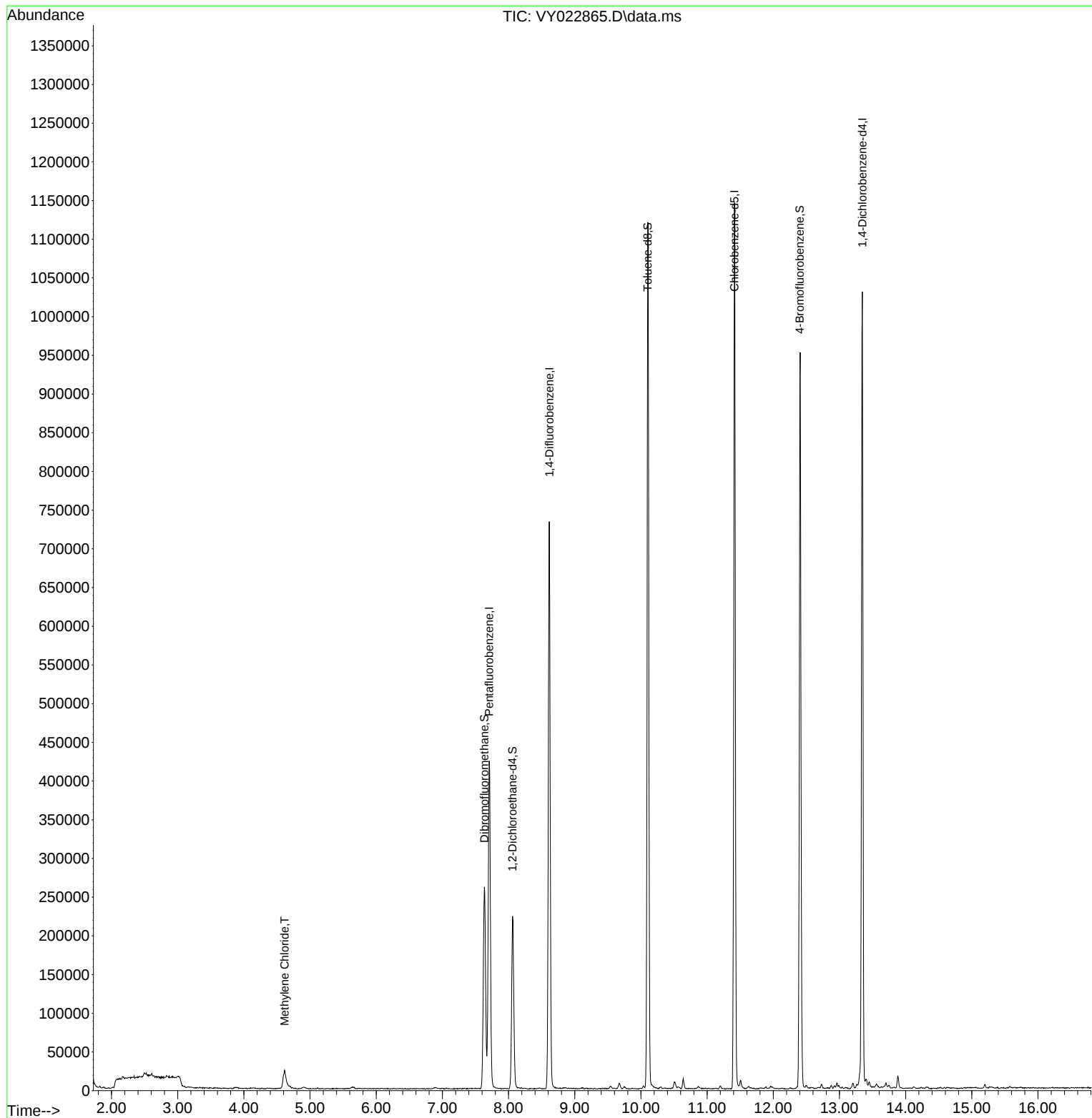
Internal Standards						
1) Pentafluorobenzene	7.707	168	318610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	604014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	582898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	250591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174126	48.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.940%
35) Dibromofluoromethane	7.634	113	185645	50.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.080%
50) Toluene-d8	10.103	98	736505	50.528	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.060%
62) 4-Bromofluorobenzene	12.401	95	256053	54.644	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.280%
Target Compounds						
20) Methylene Chloride	4.616	84	16196	3.816	ug/l	Qvalue 93

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

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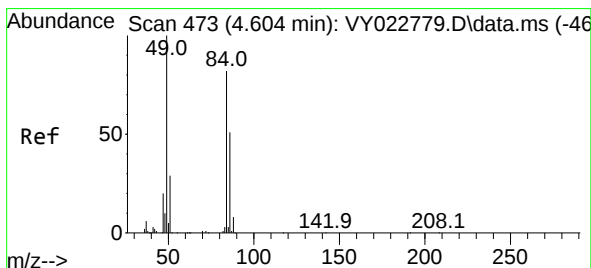
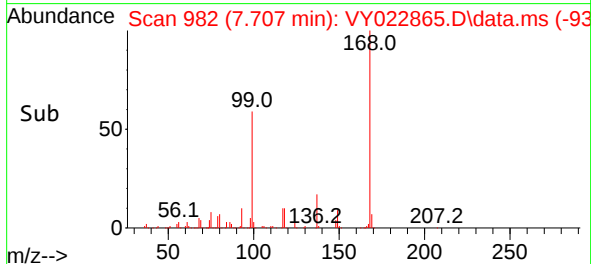
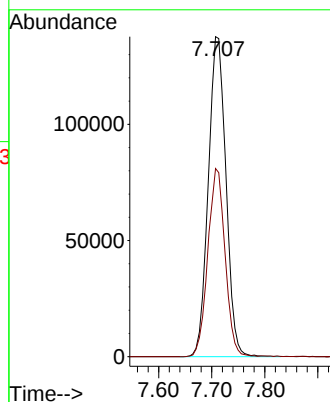
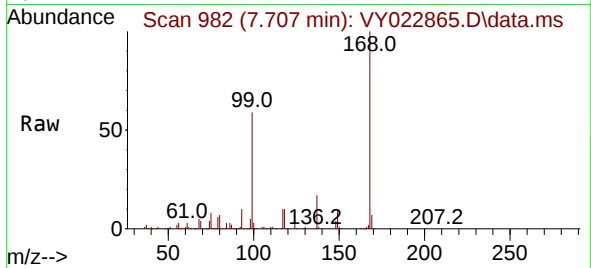




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

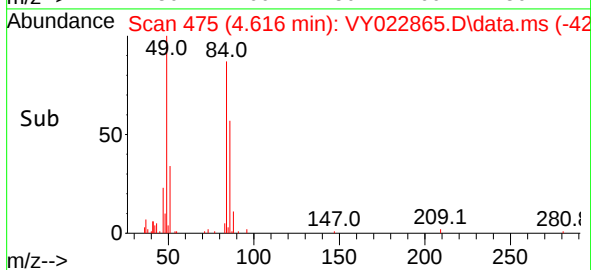
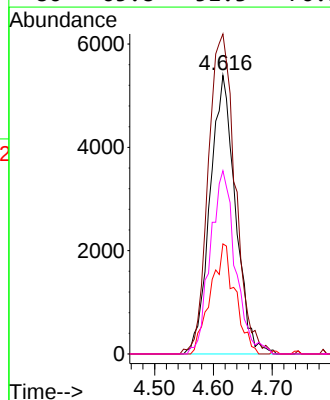
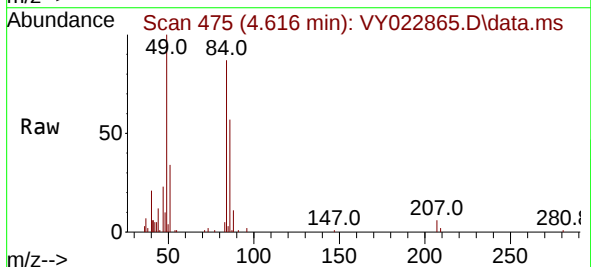
Instrument :
MSVOA_Y
ClientSampleId :
TP-82

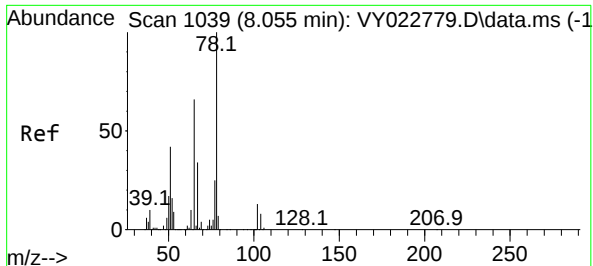
Tgt Ion:168 Resp: 318610
Ion Ratio Lower Upper
168 100
99 58.8 44.3 66.5



#20
Methylene Chloride
Concen: 3.816 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

Tgt Ion: 84 Resp: 16196
Ion Ratio Lower Upper
84 100
49 114.8 101.9 152.9
51 39.5 29.8 44.8
86 65.8 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 48.967 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022865.D

Acq: 27 Jun 2025 16:30

Instrument :

MSVOA_Y

ClientSampleId :

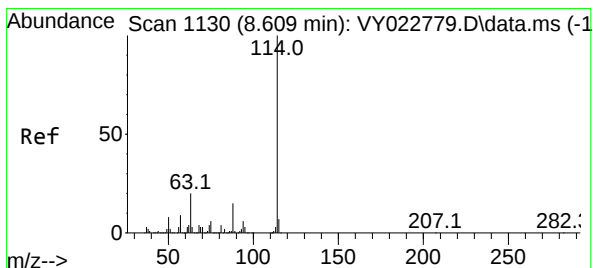
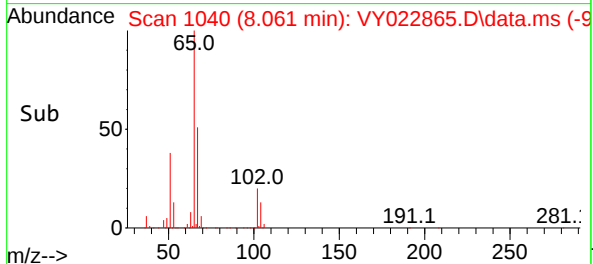
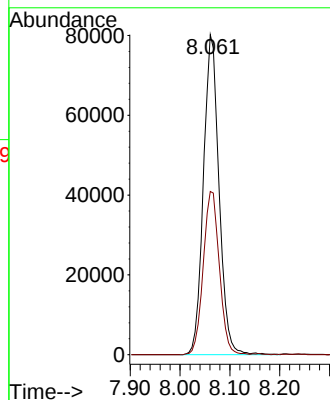
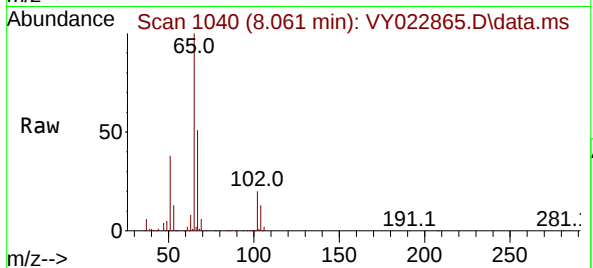
TP-82

Tgt Ion: 65 Resp: 174126

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022865.D

Acq: 27 Jun 2025 16:30

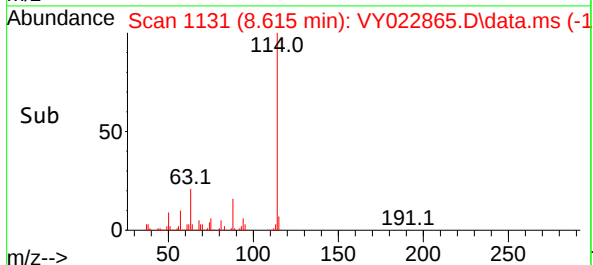
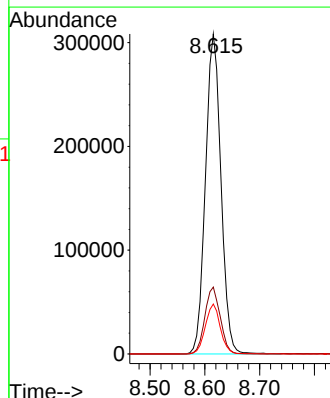
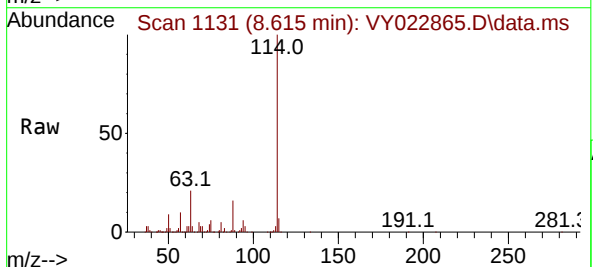
Tgt Ion:114 Resp: 604014

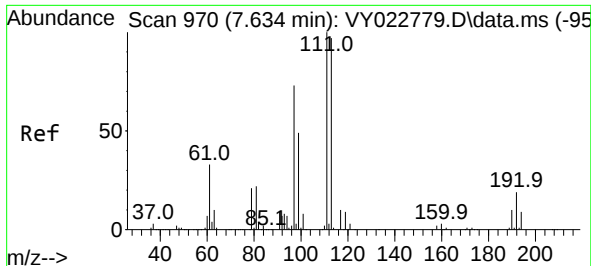
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 15.6 0.0 27.8

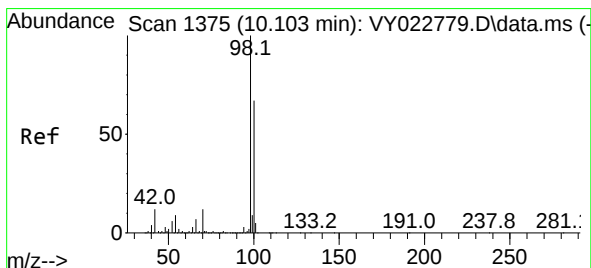
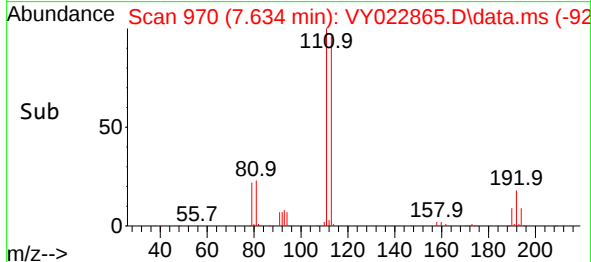
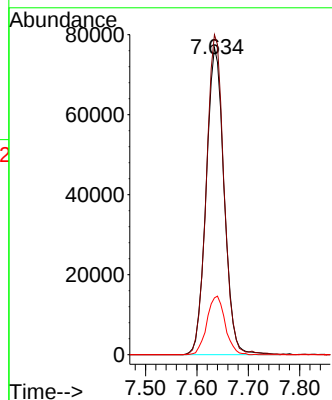
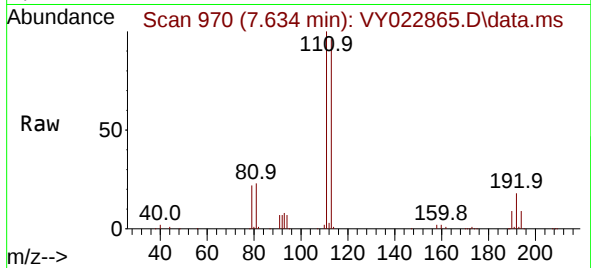




#35
Dibromofluoromethane
Concen: 50.539 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

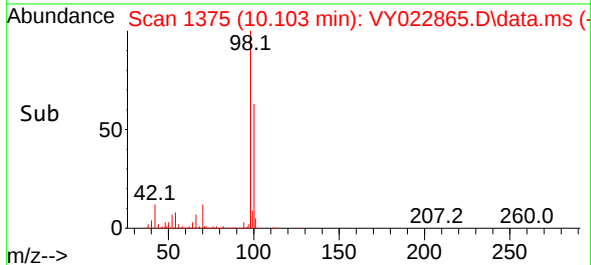
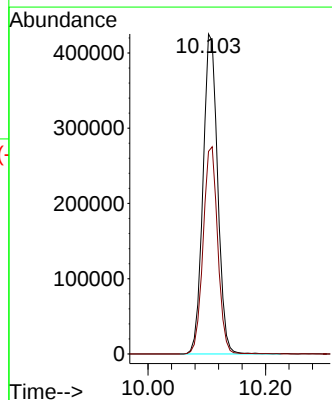
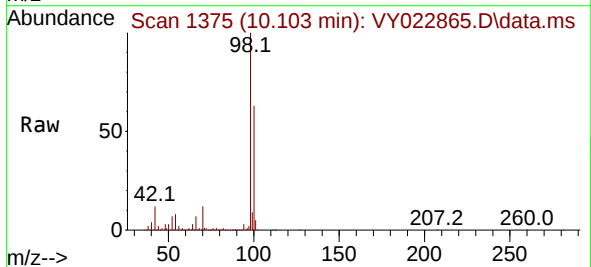
Instrument :
MSVOA_Y
ClientSampleId :
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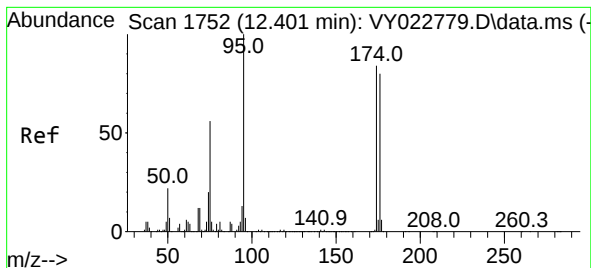
Tgt Ion:113 Resp: 185645
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 19.4 14.2 21.2



#50
Toluene-d8
Concen: 50.528 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

Tgt Ion: 98 Resp: 736505
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 54.644 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022865.D

Acq: 27 Jun 2025 16:30

Instrument :

MSVOA_Y

ClientSampleId :

TP-82

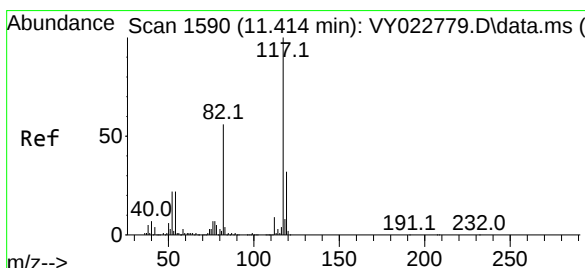
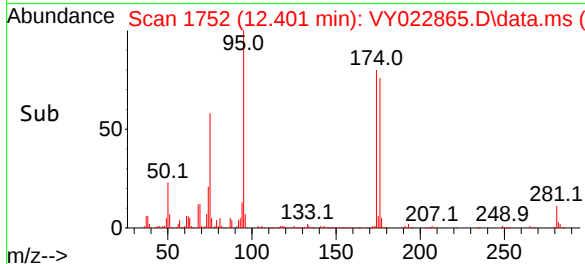
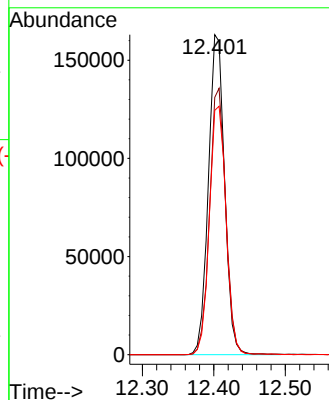
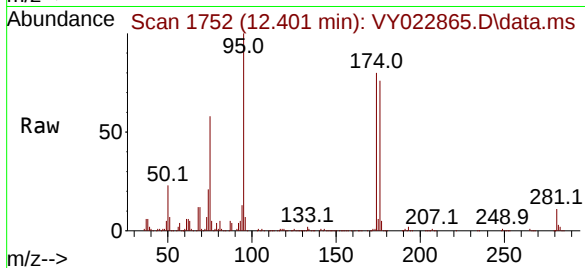
Tgt Ion: 95 Resp: 256053

Ion Ratio Lower Upper

95 100

174 83.5 0.0 170.0

176 80.1 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022865.D

Acq: 27 Jun 2025 16:30

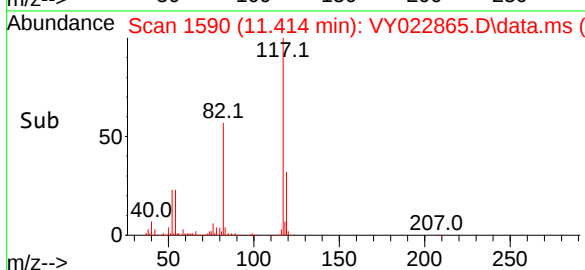
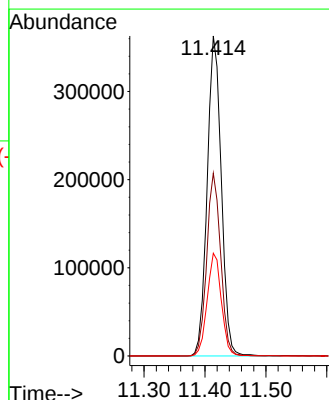
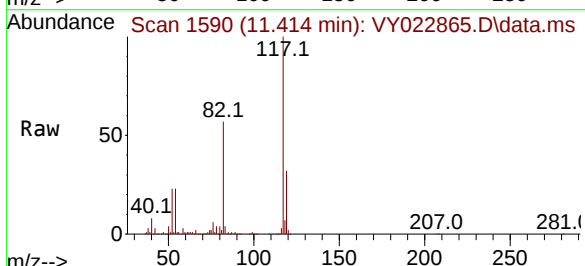
Tgt Ion: 117 Resp: 582898

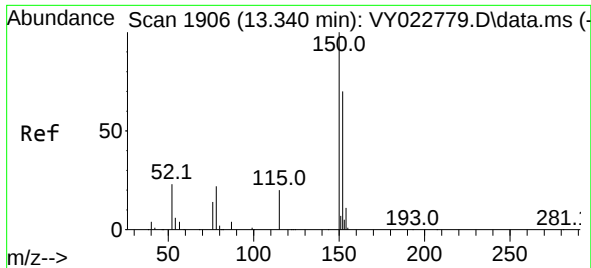
Ion Ratio Lower Upper

117 100

82 57.1 44.6 66.8

119 32.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022865.D

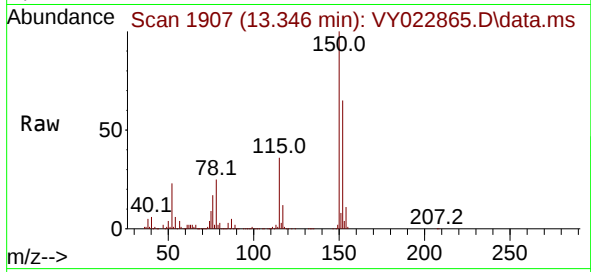
Acq: 27 Jun 2025 16:30

Instrument :

MSVOA_Y

ClientSampleId :

TP-82



Tgt Ion:152 Resp: 250591

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 156.2 0.0 349.6

