

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
 Data File : VY021772.D
 Acq On : 03 Apr 2025 14:43
 Operator : SY/MD
 Sample : Q1706-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-040225

Quant Time: Apr 04 01:31:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

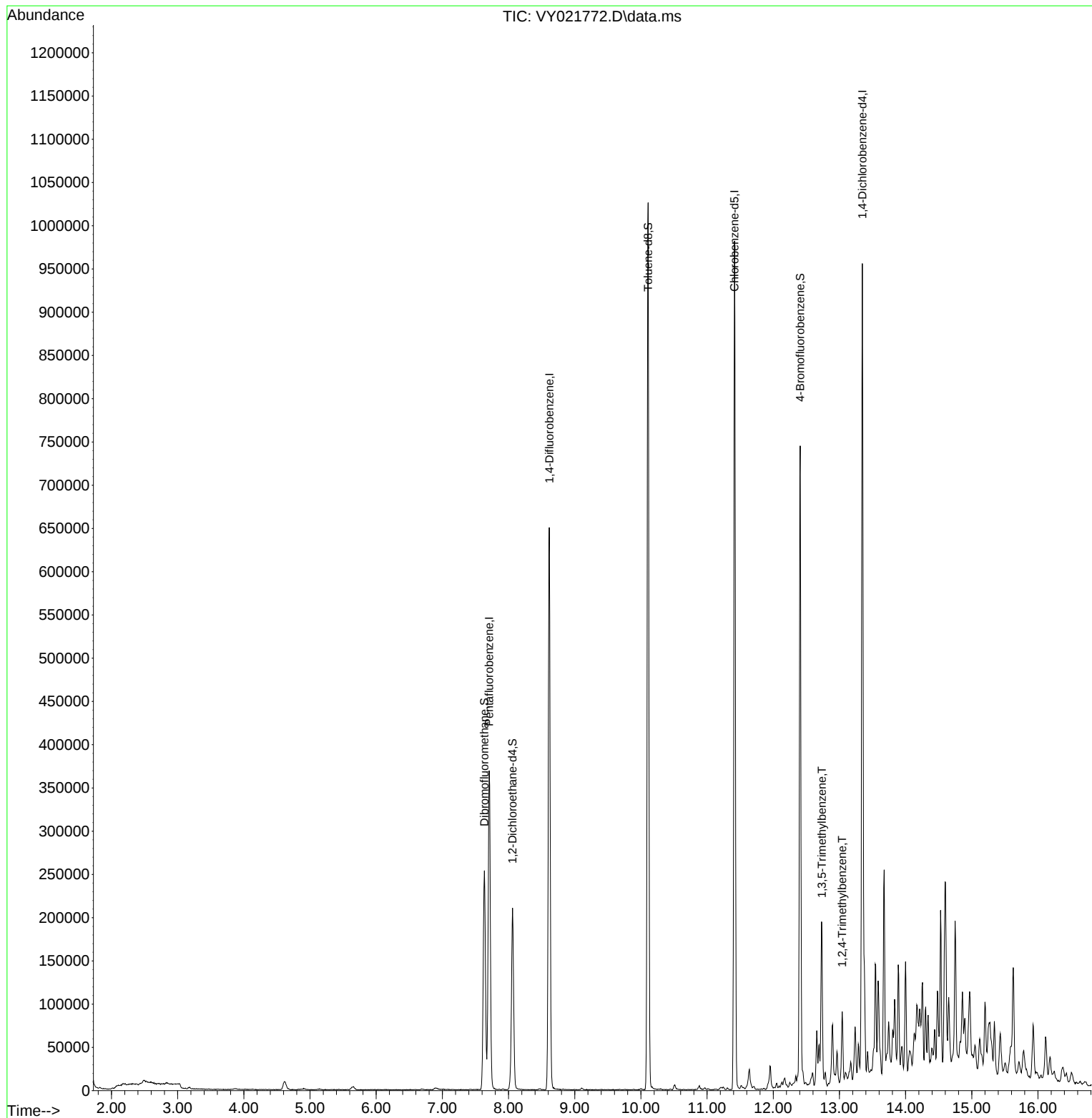
Internal Standards						
1) Pentafluorobenzene	7.707	168	277413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	535210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	500335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	223380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159571	53.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.180%	
35) Dibromofluoromethane	7.634	113	174618	50.296	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.600%	
50) Toluene-d8	10.109	98	657467	49.779	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.560%	
62) 4-Bromofluorobenzene	12.408	95	222952	49.905	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.820%	
Target Compounds						
					Qvalue	
80) 1,3,5-Trimethylbenzene	12.737	105	35411	2.611	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	40394	3.014	ug/l	100

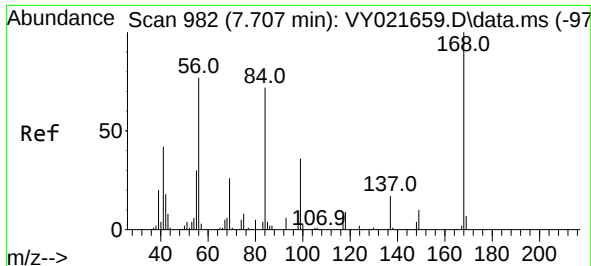
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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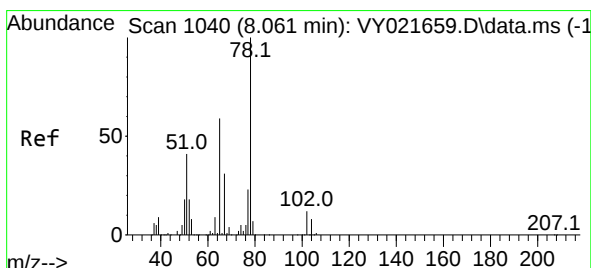
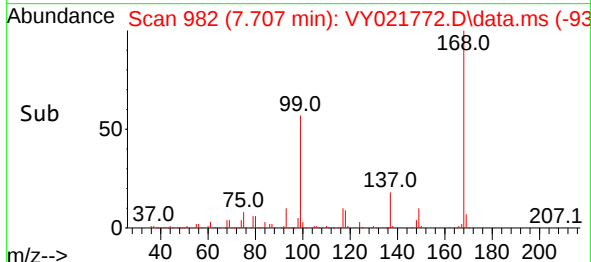
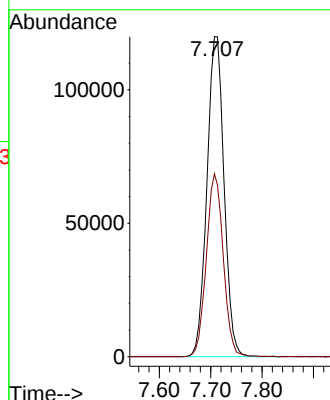
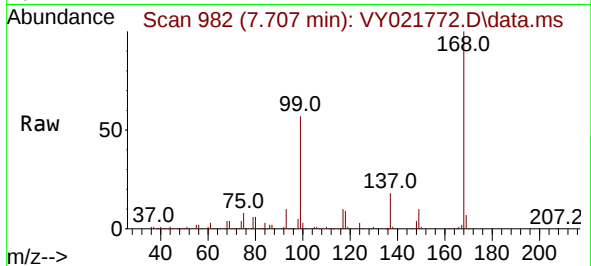




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021772.D
Acq: 03 Apr 2025 14:43

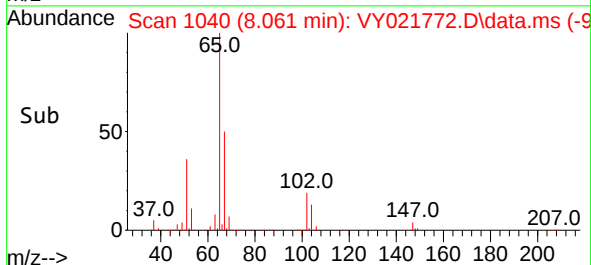
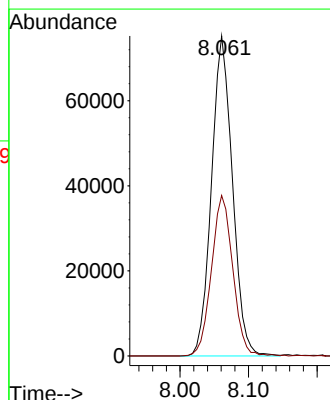
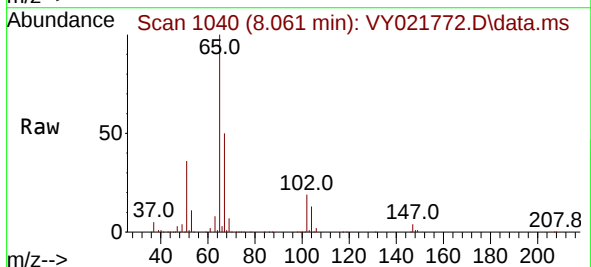
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-040225

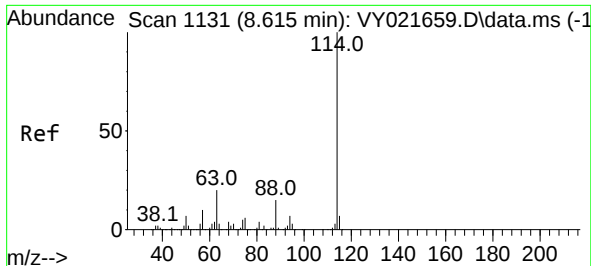
Tgt Ion:168 Resp: 277413
Ion Ratio Lower Upper
168 100
99 57.1 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 53.090 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021772.D
Acq: 03 Apr 2025 14:43

Tgt Ion: 65 Resp: 159571
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021772.D

Acq: 03 Apr 2025 14:43

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-040225

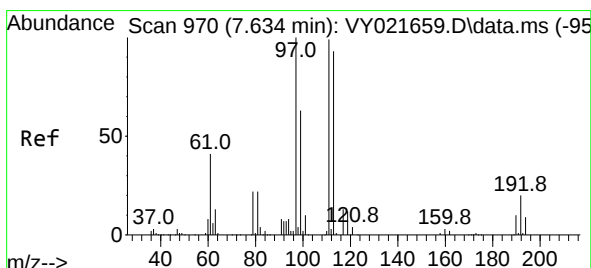
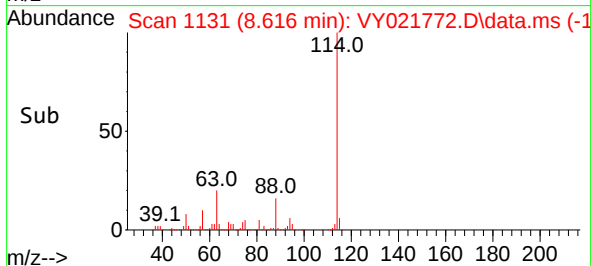
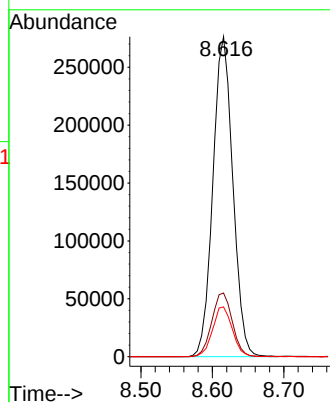
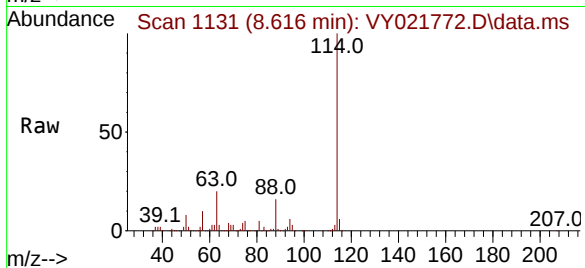
Tgt Ion:114 Resp: 535210

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.5 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.296 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021772.D

Acq: 03 Apr 2025 14:43

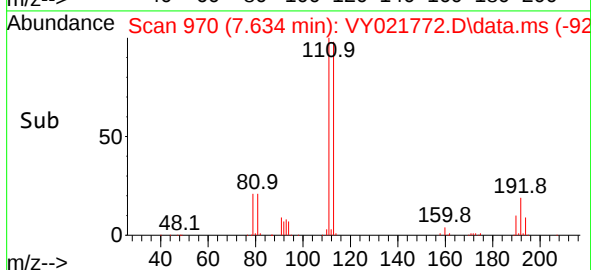
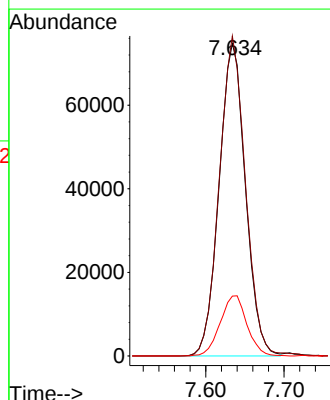
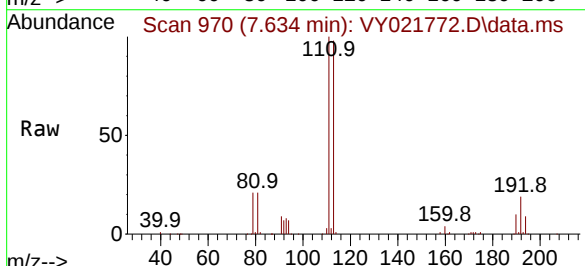
Tgt Ion:113 Resp: 174618

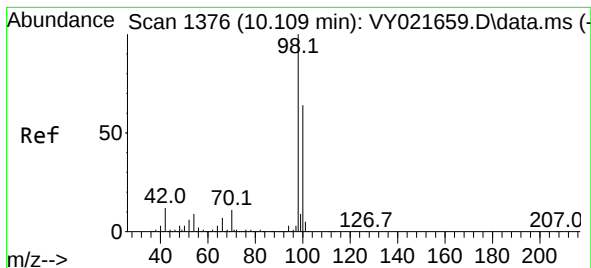
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 19.6 16.2 24.4





#50

Toluene-d8

Concen: 49.779 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021772.D

Acq: 03 Apr 2025 14:43

Instrument :

MSVOA_Y

ClientSampleId :

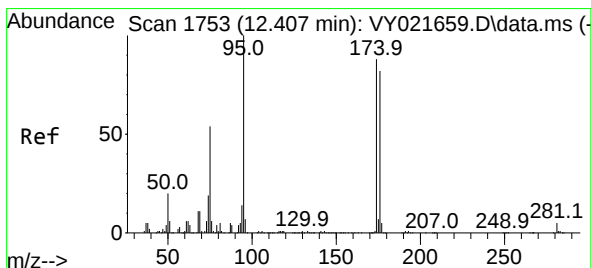
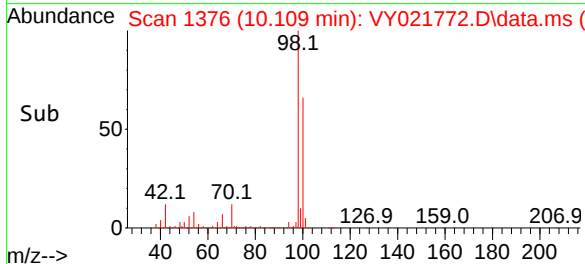
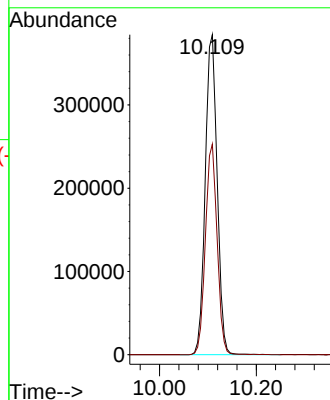
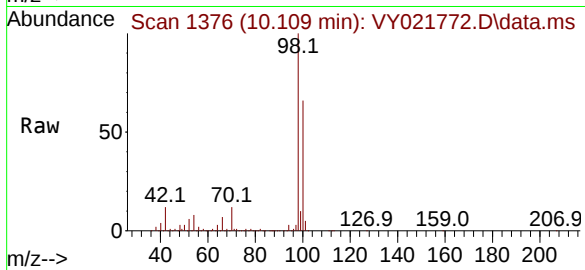
PL-02-040225

Tgt Ion: 98 Resp: 657467

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 49.905 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021772.D

Acq: 03 Apr 2025 14:43

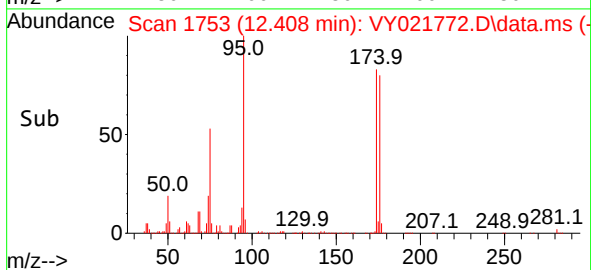
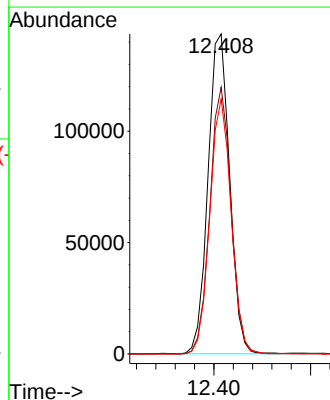
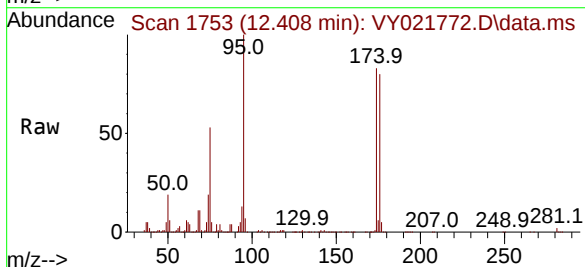
Tgt Ion: 95 Resp: 222952

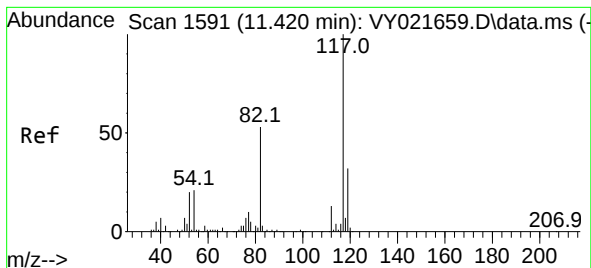
Ion Ratio Lower Upper

95 100

174 82.3 0.0 170.8

176 78.4 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021772.D

Acq: 03 Apr 2025 14:43

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-040225

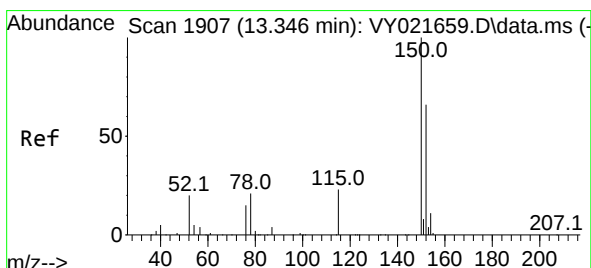
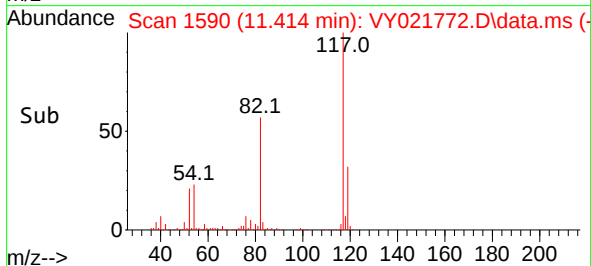
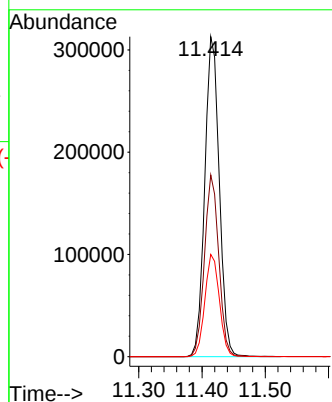
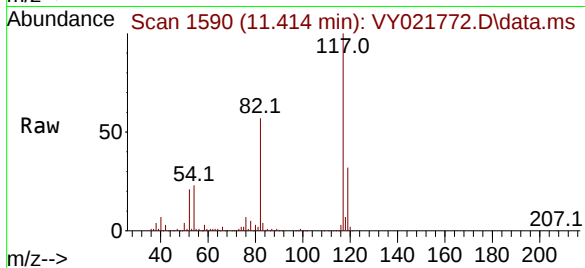
Tgt Ion:117 Resp: 500335

Ion Ratio Lower Upper

117 100

82 56.8 42.8 64.2

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021772.D

Acq: 03 Apr 2025 14:43

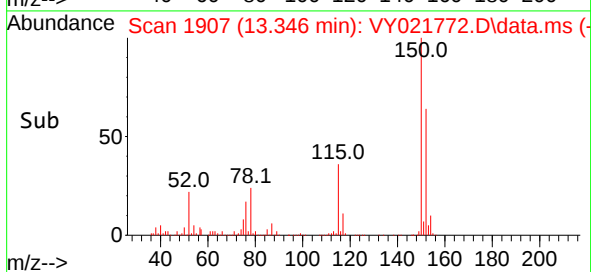
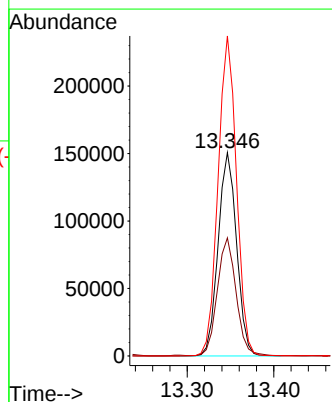
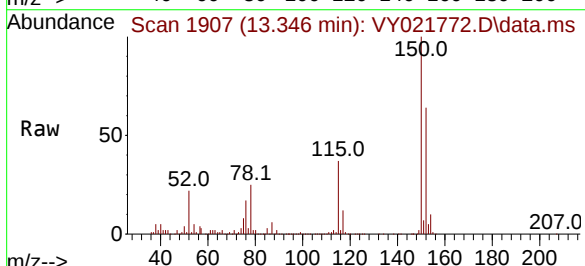
Tgt Ion:152 Resp: 223380

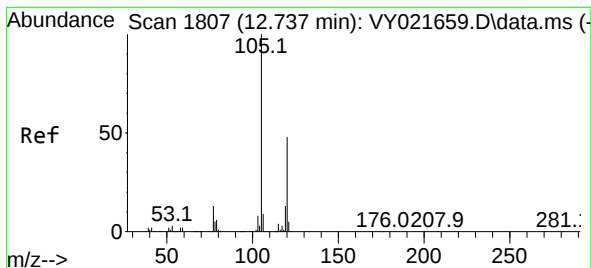
Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 156.7 0.0 348.4





#80

1,3,5-Trimethylbenzene

Concen: 2.611 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021772.D

Acq: 03 Apr 2025 14:43

Instrument :

MSVOA_Y

ClientSampleId :

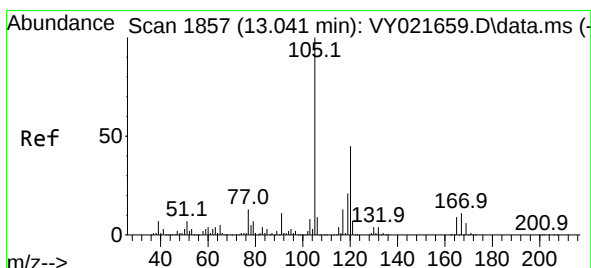
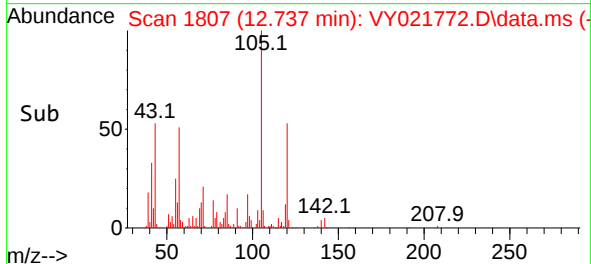
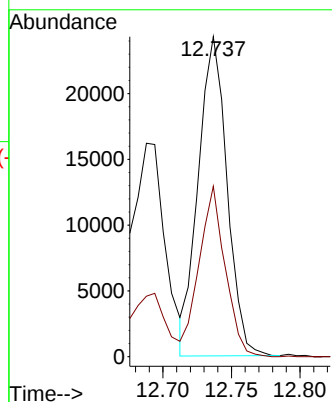
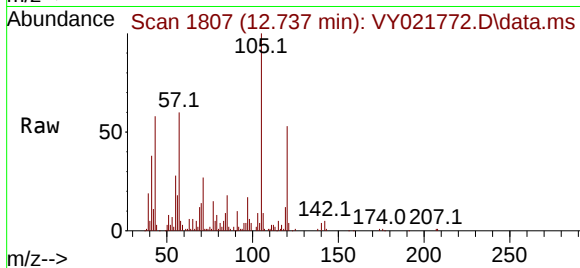
PL-02-040225

Tgt Ion:105 Resp: 35411

Ion Ratio Lower Upper

105 100

120 48.5 24.5 73.5



#84

1,2,4-Trimethylbenzene

Concen: 3.014 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021772.D

Acq: 03 Apr 2025 14:43

Tgt Ion:105 Resp: 40394

Ion Ratio Lower Upper

105 100

120 45.3 22.7 68.1

