

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021872.D
 Acq On : 14 Apr 2025 16:13
 Operator : SY/MD
 Sample : Q1792-01
 Misc : 5.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-041125

Quant Time: Apr 14 23:32:52 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)

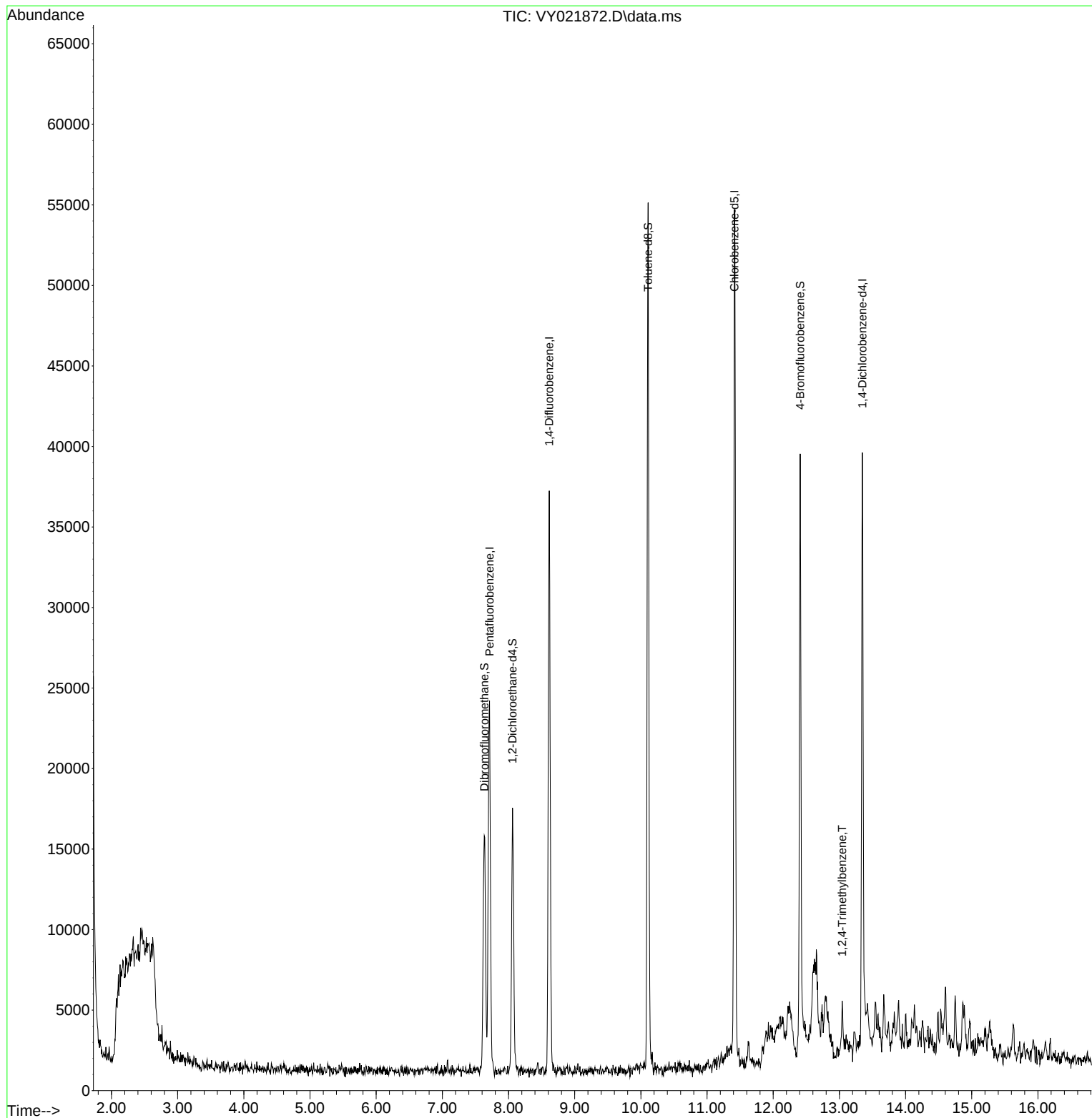
Internal Standards						
1) Pentafluorobenzene	7.713	168	17931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	29879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	28506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	8877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	13019	67.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.020%
35) Dibromofluoromethane	7.634	113	11061	57.068	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.140%
50) Toluene-d8	10.109	98	35840	48.607	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.220%
62) 4-Bromofluorobenzene	12.408	95	10565	42.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.720%
Target Compounds						Qvalue
84) 1,2,4-Trimethylbenzene	13.042	105	1270	2.385	ug/l	83

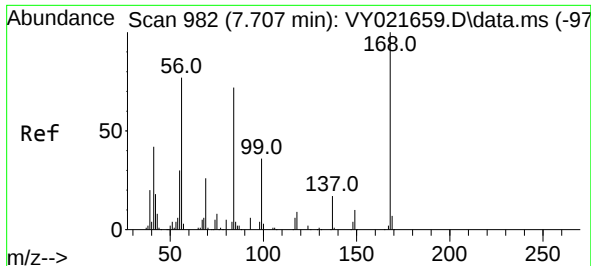
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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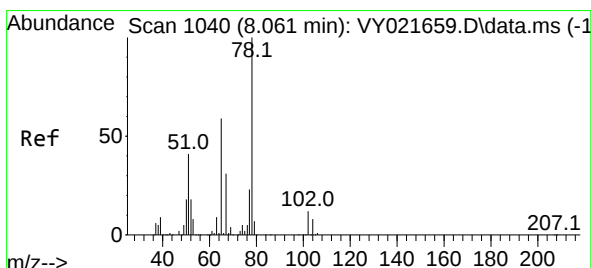
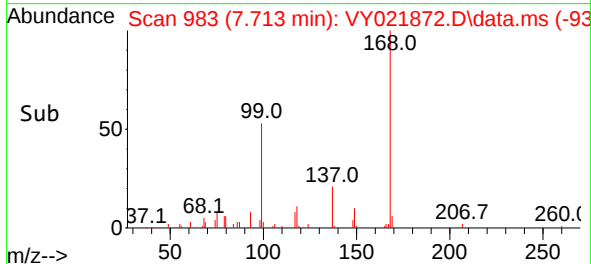
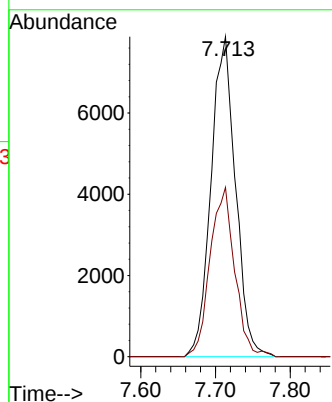
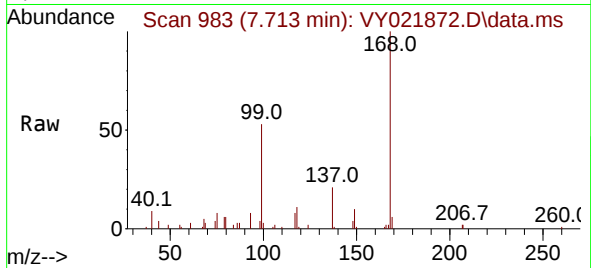




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

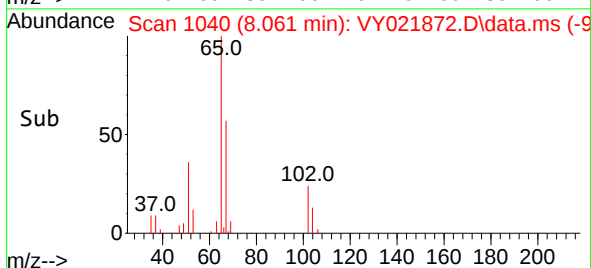
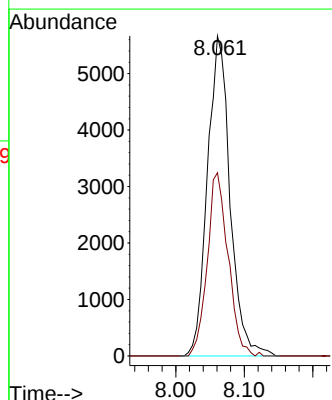
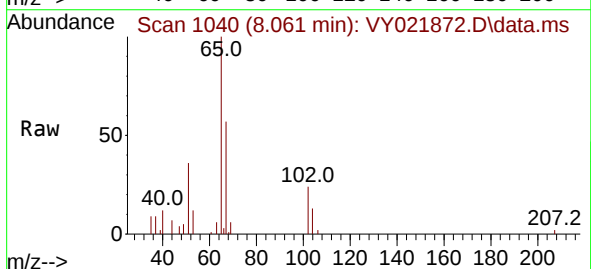
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-041125

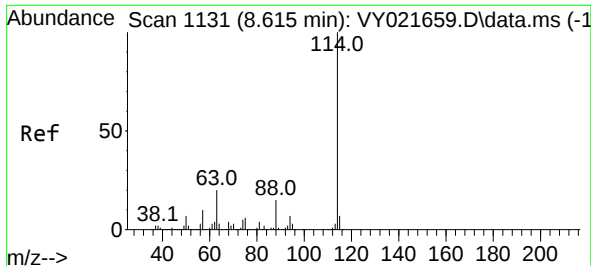
Tgt Ion:168 Resp: 17931
Ion Ratio Lower Upper
168 100
99 52.9 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 67.013 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

Tgt Ion: 65 Resp: 13019
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.6

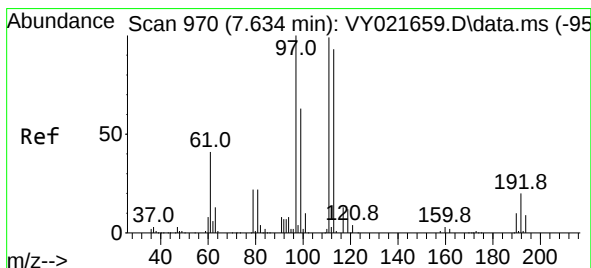
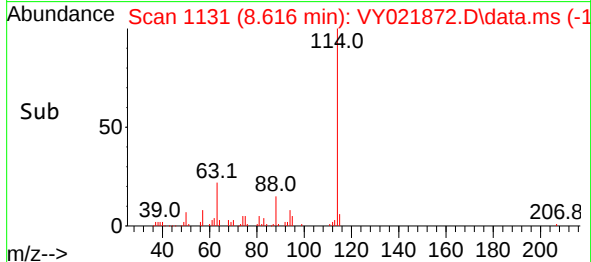
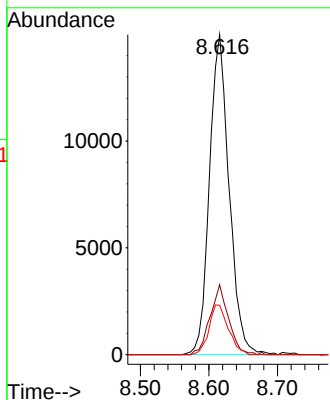
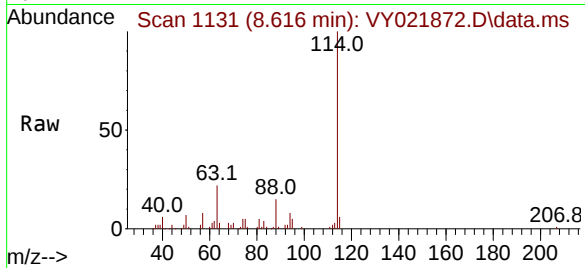




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

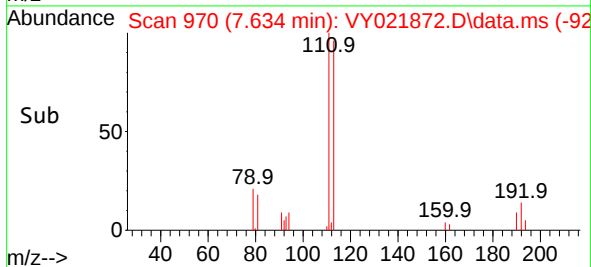
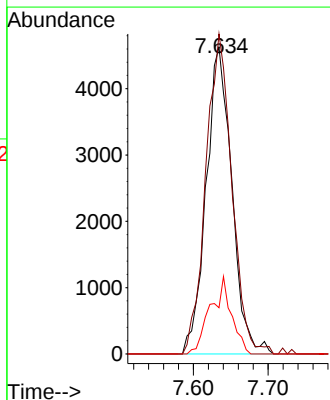
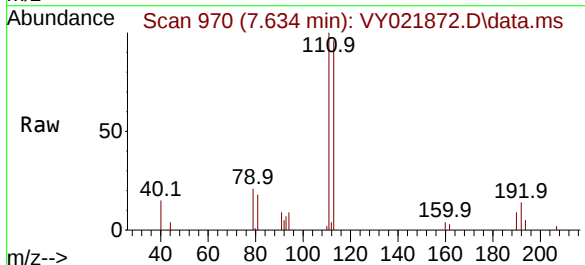
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-041125

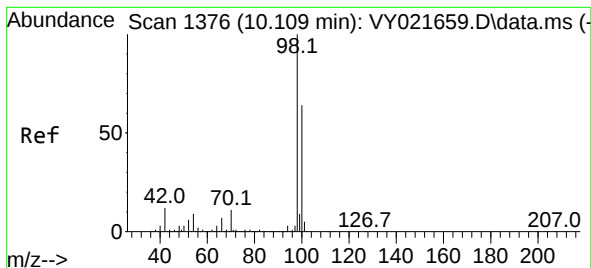
Tgt Ion:	114	Resp:	29879
Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	40.2
88	15.5	0.0	29.8



#35
Dibromofluoromethane
Concen: 57.068 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

Tgt Ion:	113	Resp:	11061
Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.6	123.8
192	20.6	16.2	24.4





#50

Toluene-d8

Concen: 48.607 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

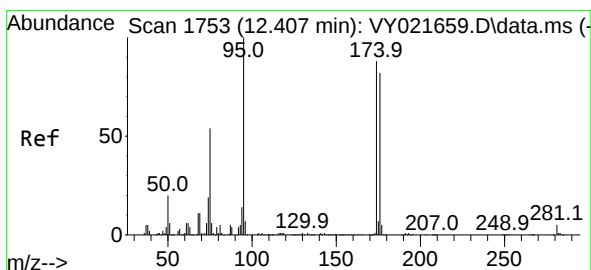
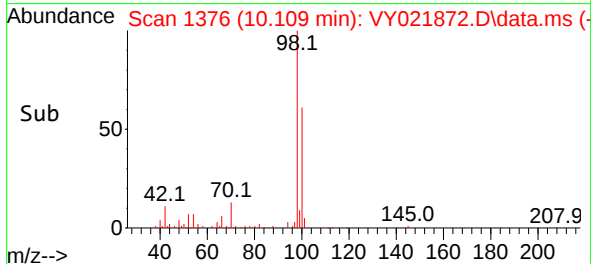
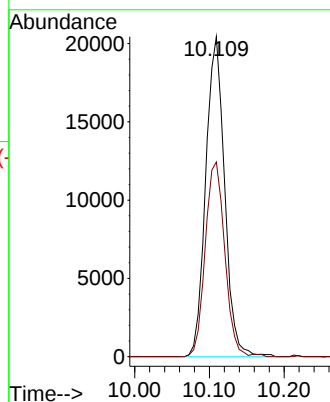
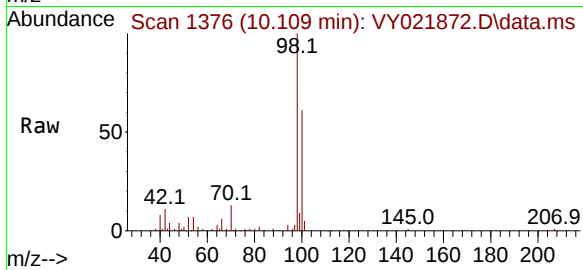
TR-05-041125

Tgt Ion: 98 Resp: 35840

Ion Ratio Lower Upper

98 100

100 63.1 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 42.361 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

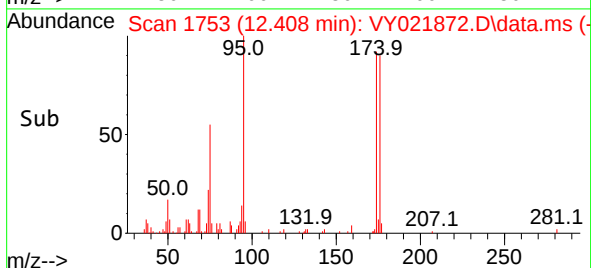
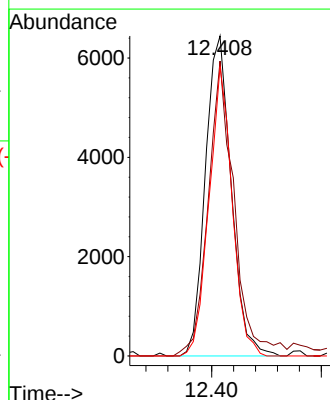
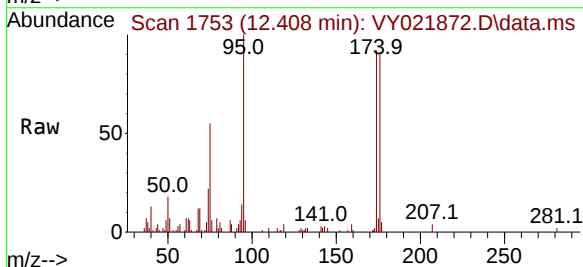
Tgt Ion: 95 Resp: 10565

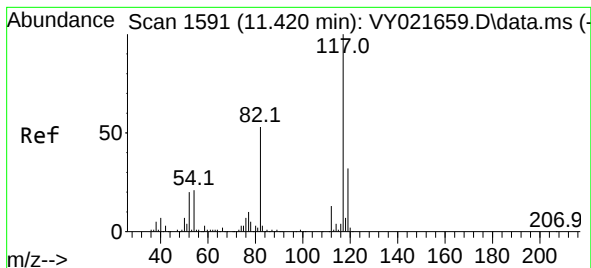
Ion Ratio Lower Upper

95 100

174 92.6 0.0 170.8

176 81.0 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: VY021872.D

Acq: 14 Apr 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-041125

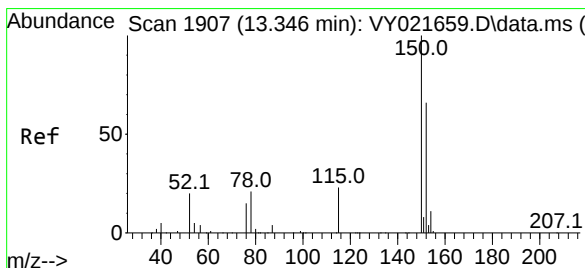
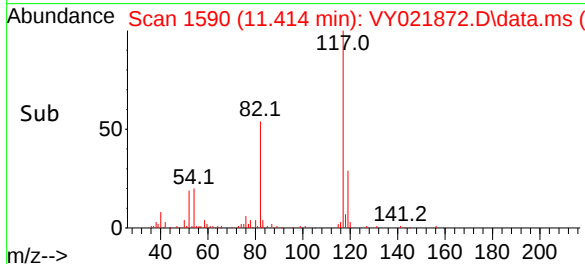
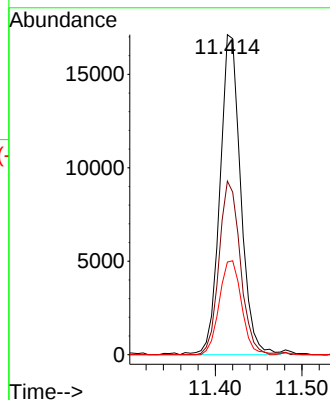
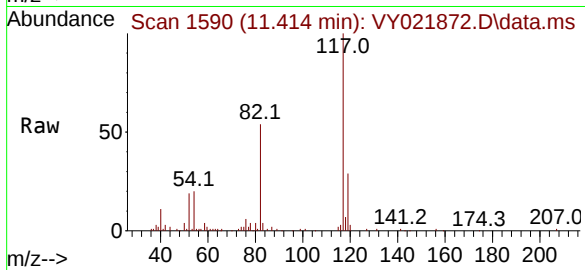
Tgt Ion:117 Resp: 28506

Ion Ratio Lower Upper

117 100

82 54.3 42.8 64.2

119 28.9 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: VY021872.D

Acq: 14 Apr 2025 16:13

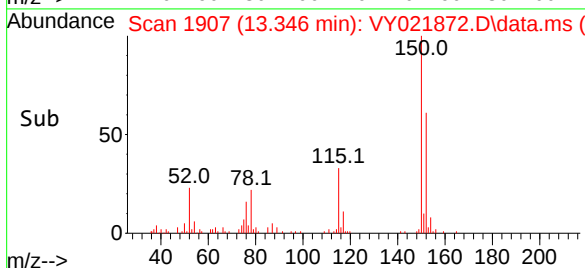
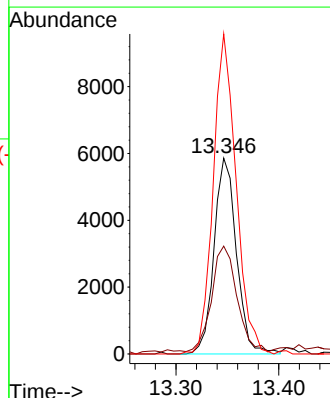
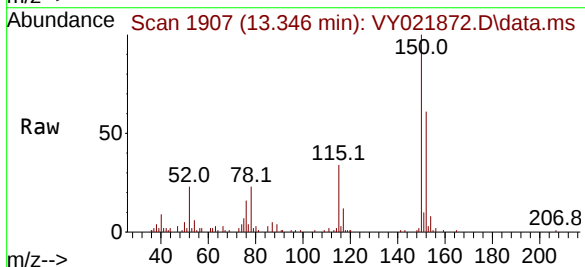
Tgt Ion:152 Resp: 8877

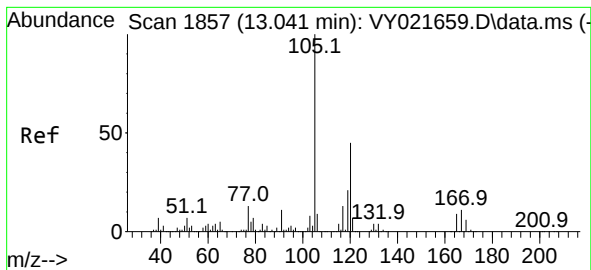
Ion Ratio Lower Upper

152 100

115 60.7 28.8 86.5

150 166.4 0.0 348.4





#84

1,2,4-Trimethylbenzene

Concen: 2.385 ug/l

RT: 13.042 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021872.D

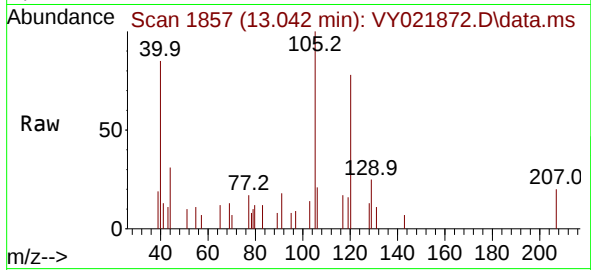
Acq: 14 Apr 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-041125



Tgt Ion:105 Resp: 1270

Ion Ratio Lower Upper

105 100

120 56.6 22.7 68.1

