

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021842.D
 Acq On : 10 Apr 2025 16:47
 Operator : SY/MD
 Sample : Q1752-05
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Apr 11 01:52:04 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	217947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	410570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	352971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127223	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134147	56.808	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.620%
35) Dibromofluoromethane	7.634	113	139543	52.395	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.780%
50) Toluene-d8	10.109	98	502124	49.558	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.120%
62) 4-Bromofluorobenzene	12.408	95	135022	39.398	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.800%

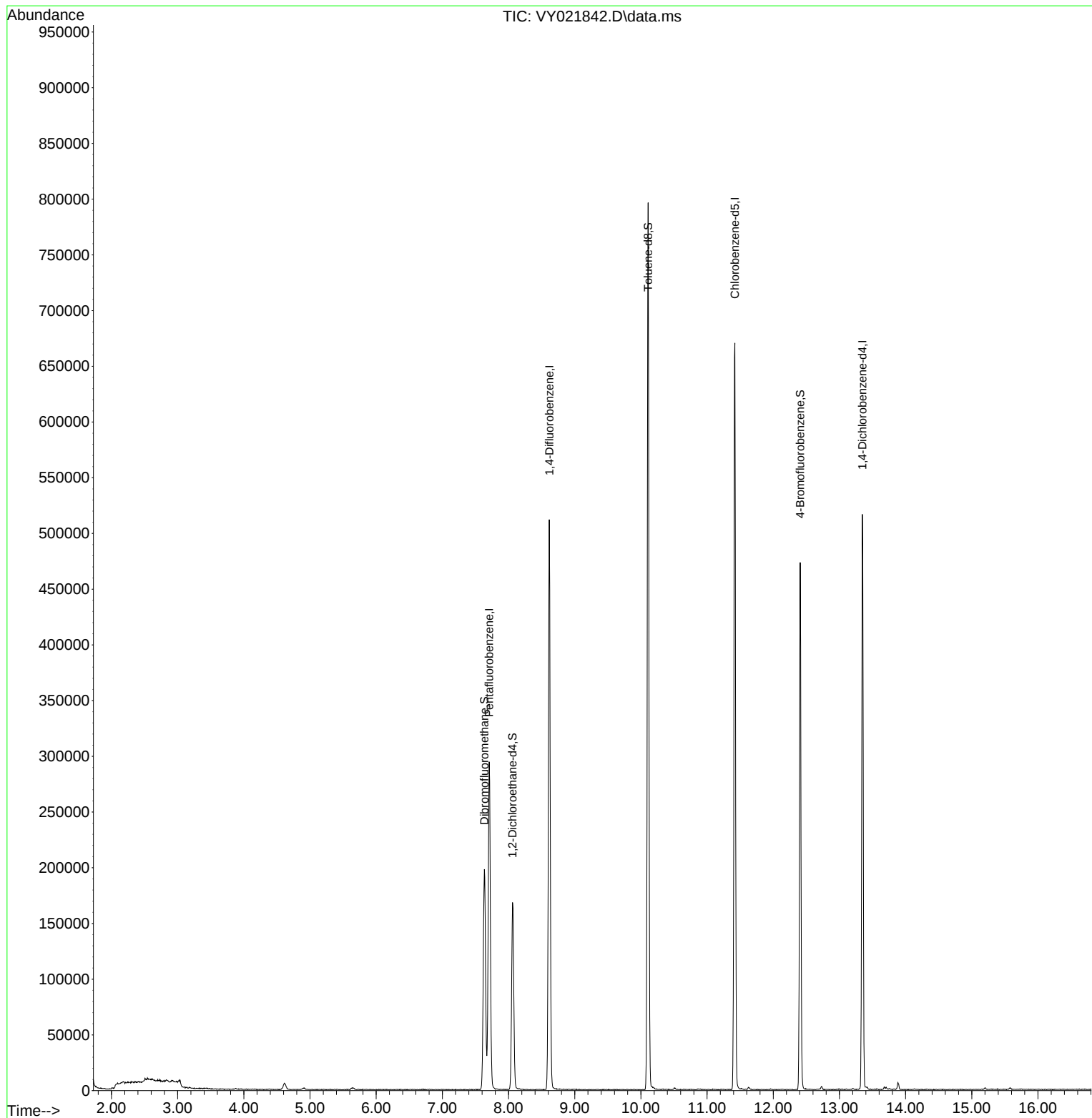
Target Compounds	Qvalue

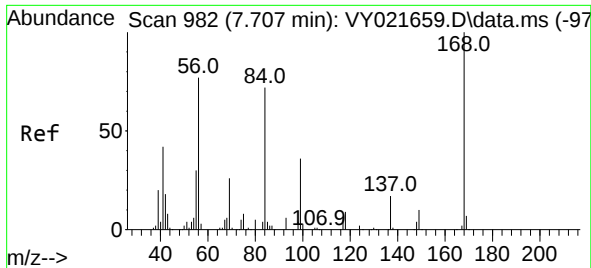
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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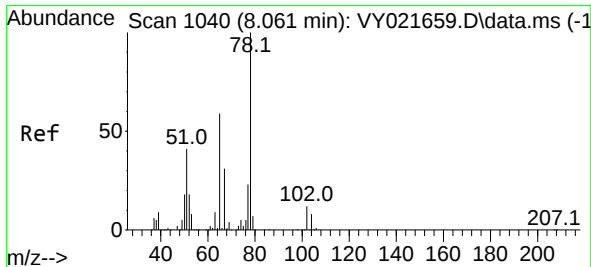
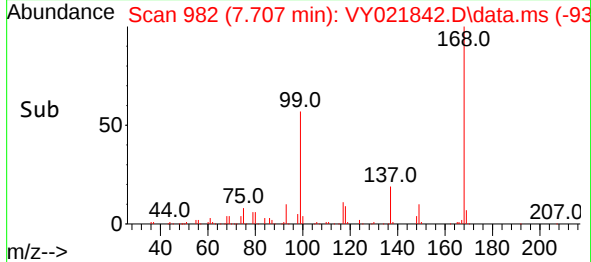
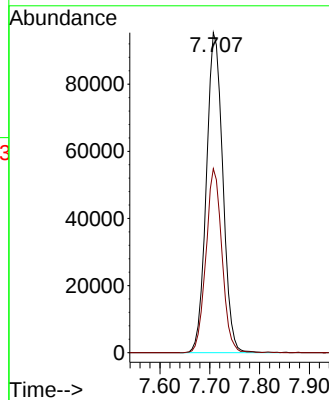
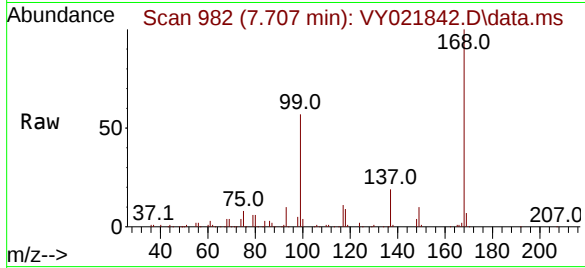




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

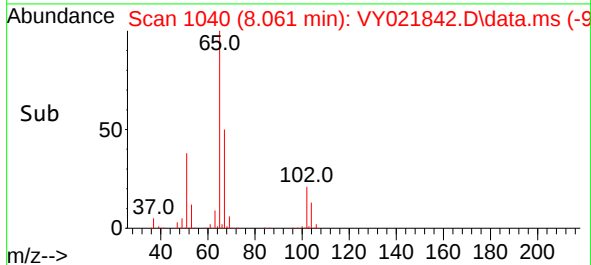
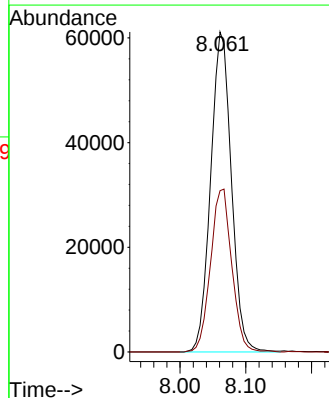
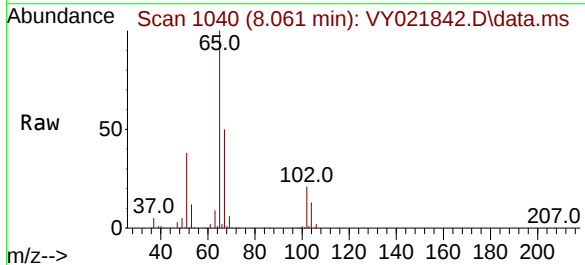
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

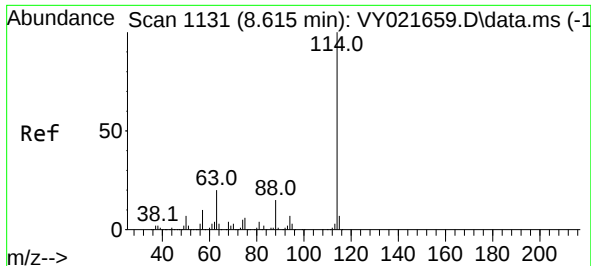
Tgt Ion:168 Resp: 217947
Ion Ratio Lower Upper
168 100
99 57.5 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 56.808 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

Tgt Ion: 65 Resp: 134147
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021842.D

Acq: 10 Apr 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

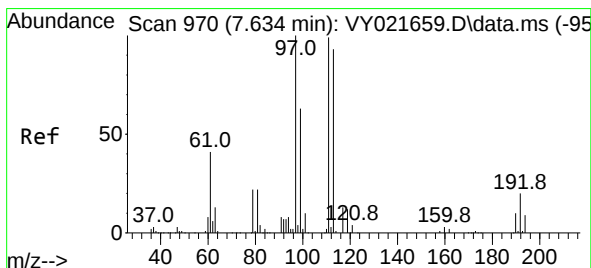
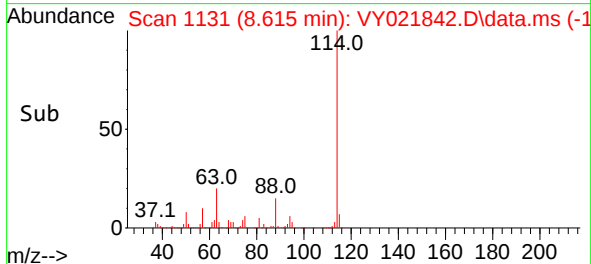
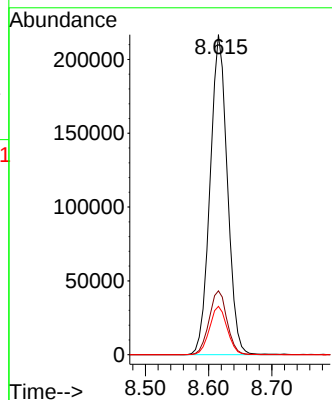
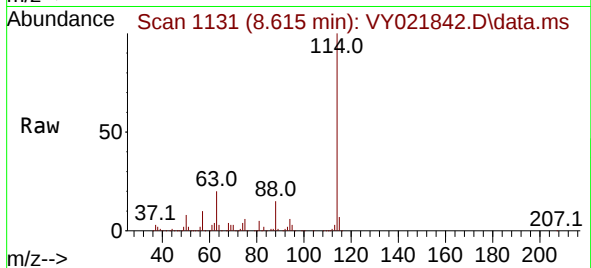
Tgt Ion:114 Resp: 410570

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.395 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021842.D

Acq: 10 Apr 2025 16:47

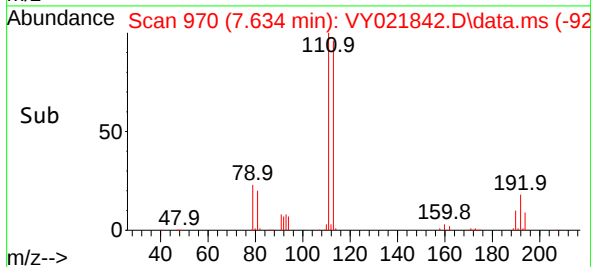
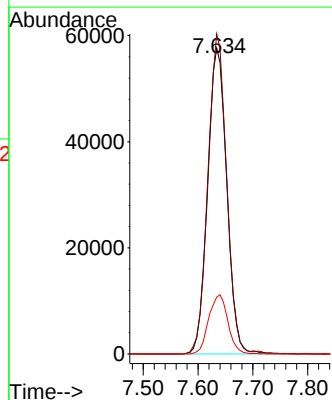
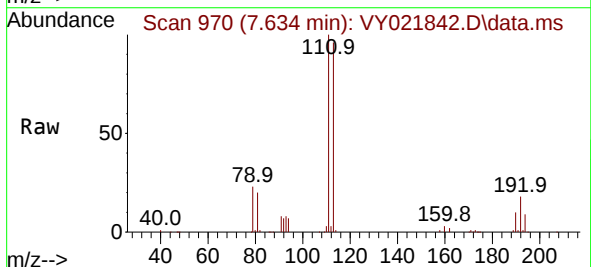
Tgt Ion:113 Resp: 139543

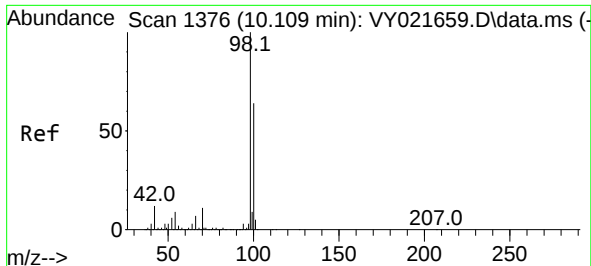
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 19.4 16.2 24.4

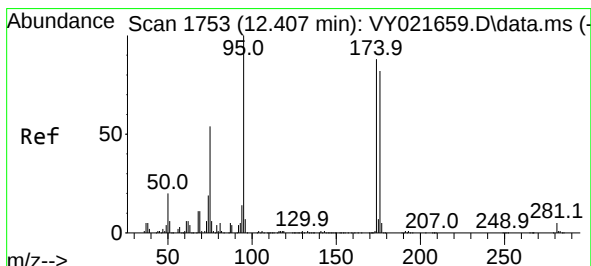
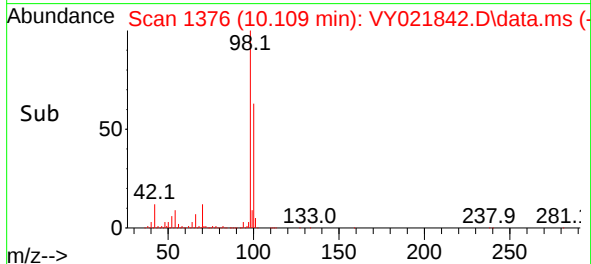
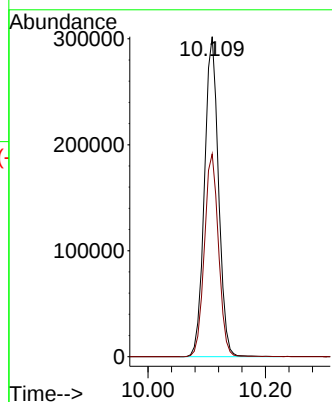
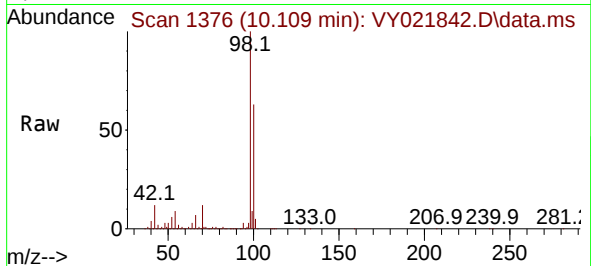




#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

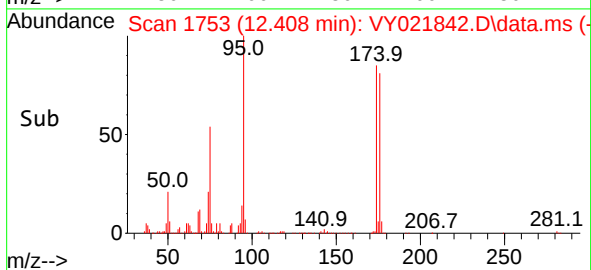
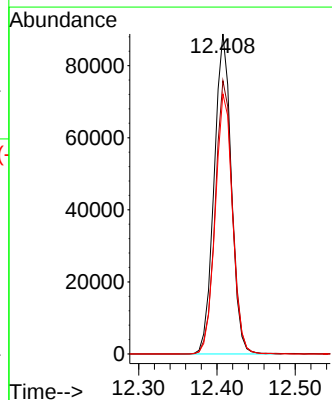
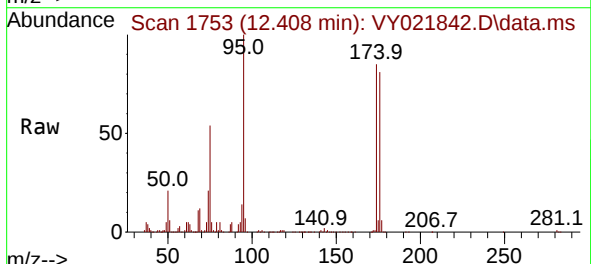
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

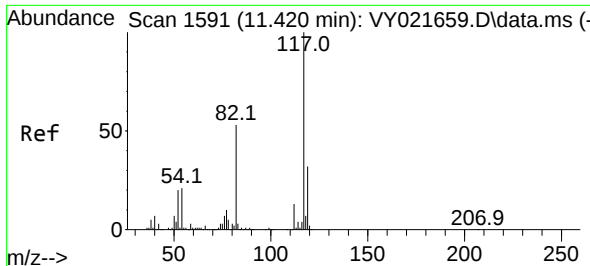
Tgt Ion: 98 Resp: 502124
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 39.398 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

Tgt Ion: 95 Resp: 135022
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.8
176 81.9 0.0 162.0

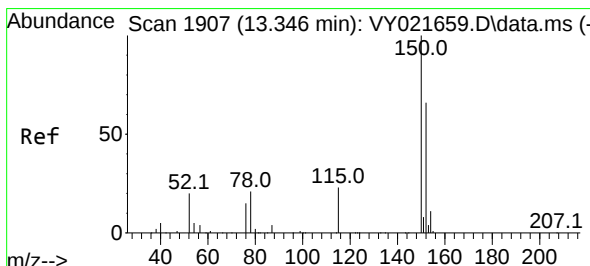
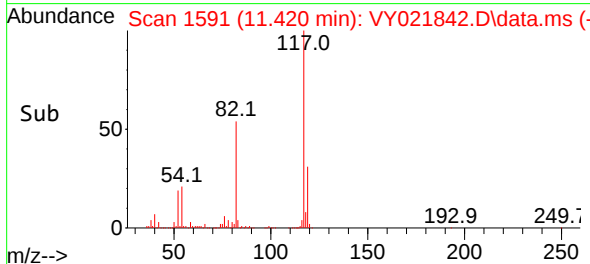
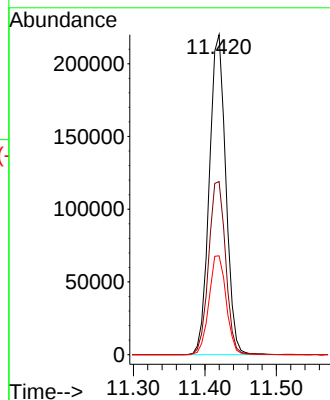
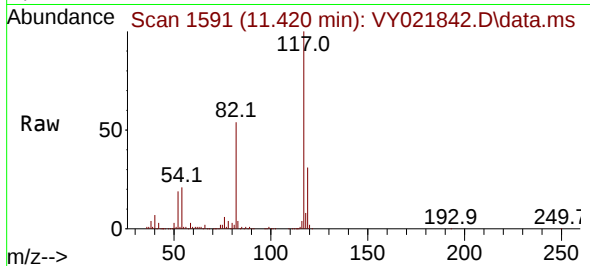




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion:117 Resp: 352971
Ion Ratio Lower Upper
117 100
82 54.1 42.8 64.2
119 30.9 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: VY021842.D
Acq: 10 Apr 2025 16:47

Tgt Ion:152 Resp: 127223
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 158.2 0.0 348.4

