

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021678.D
 Acq On : 27 Mar 2025 19:42
 Operator : SY/MD
 Sample : Q1648-01
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Mar 28 04:05:38 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	222356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	435436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	403631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	165617	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147551	61.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.500%
35) Dibromofluoromethane	7.634	113	150920	53.431	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.860%
50) Toluene-d8	10.109	98	533323	49.632	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.260%
62) 4-Bromofluorobenzene	12.408	95	169789	46.714	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.420%

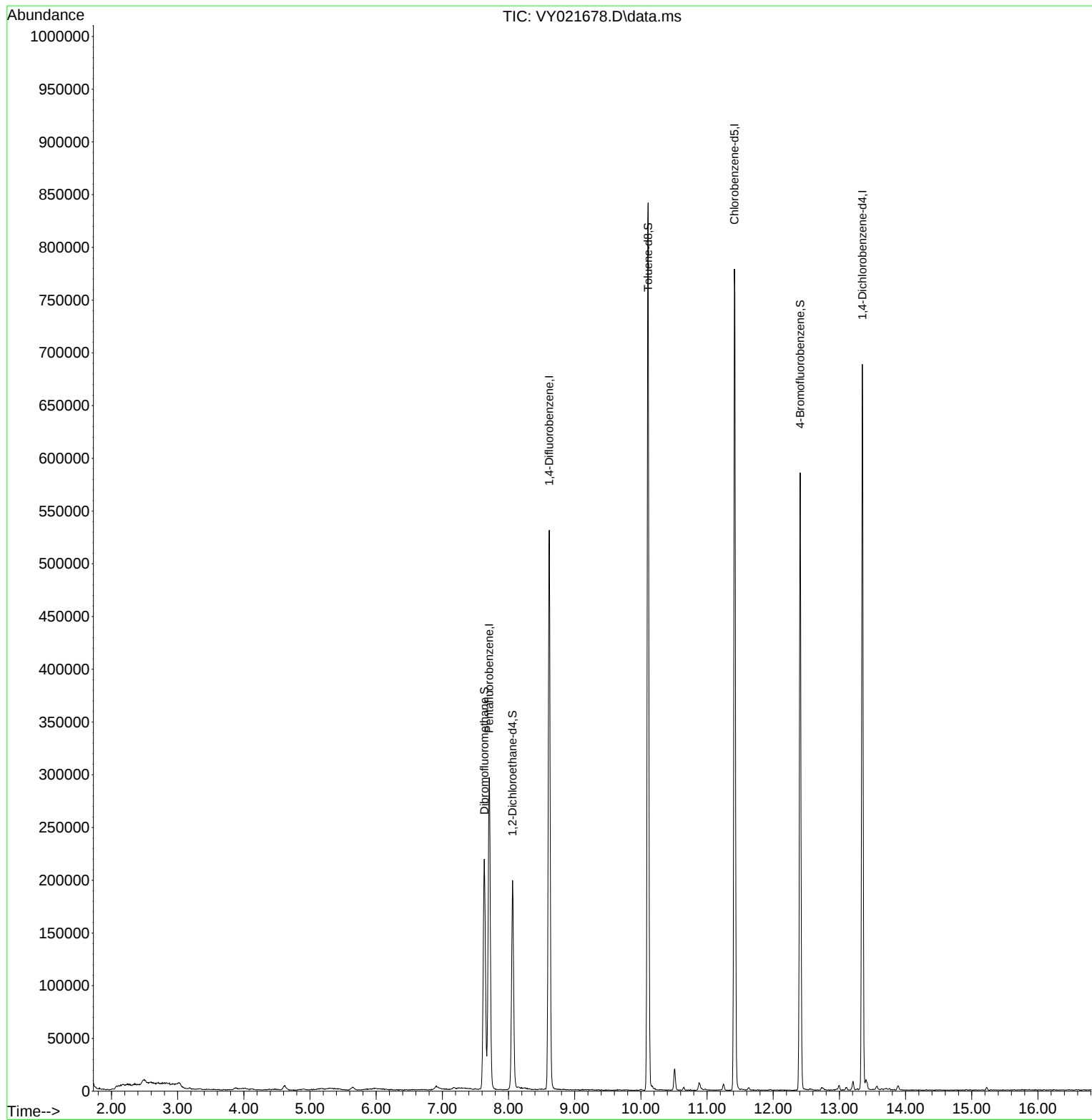
Target Compounds	Qvalue

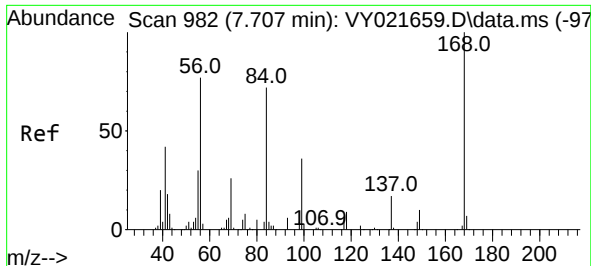
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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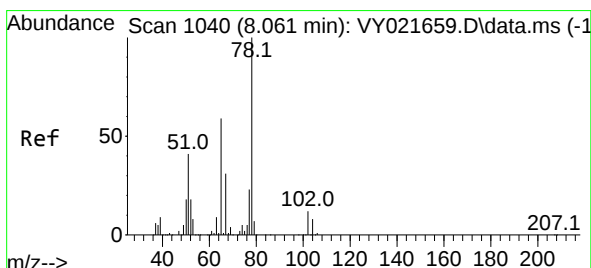
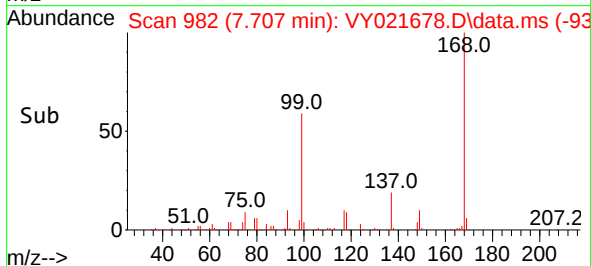
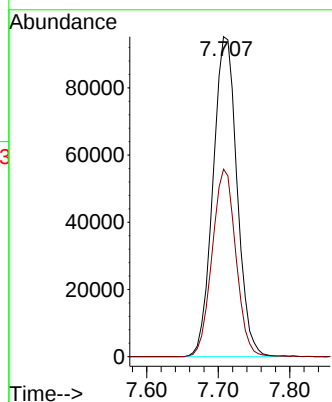
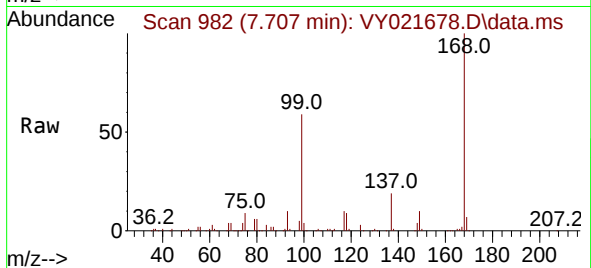




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

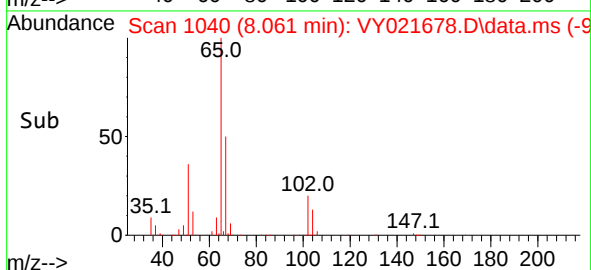
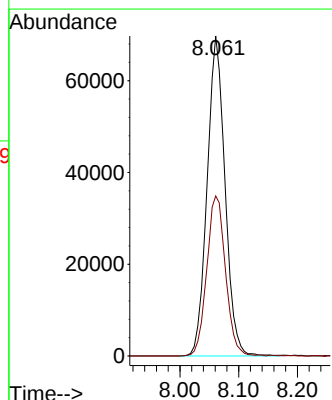
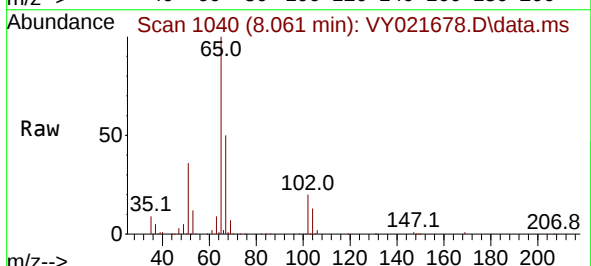
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

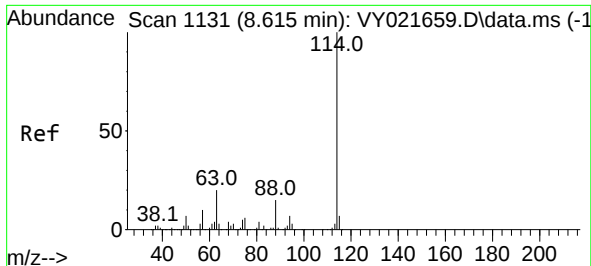
Tgt Ion:168 Resp: 222356
Ion Ratio Lower Upper
168 100
99 58.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 61.246 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

Tgt Ion: 65 Resp: 147551
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6

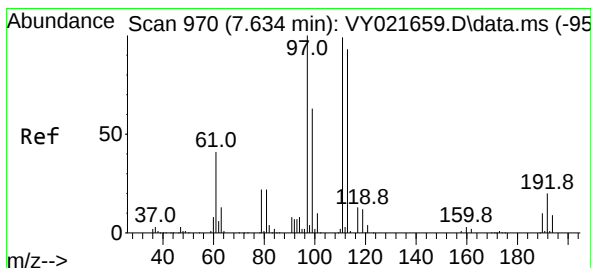
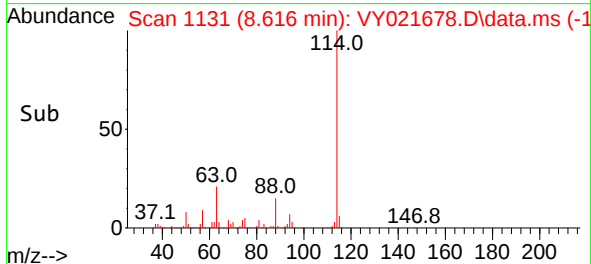
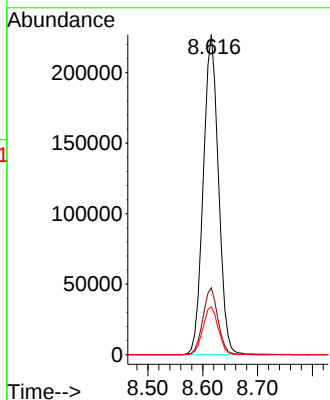
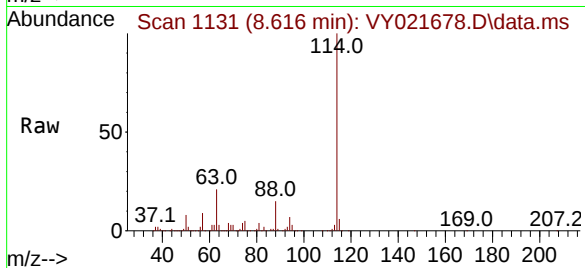




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

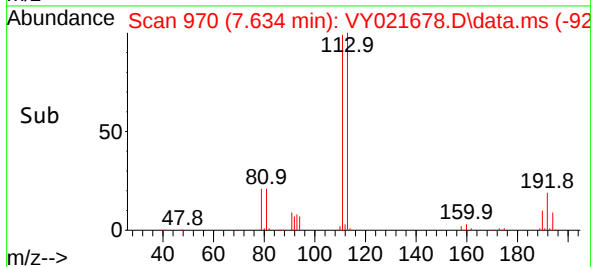
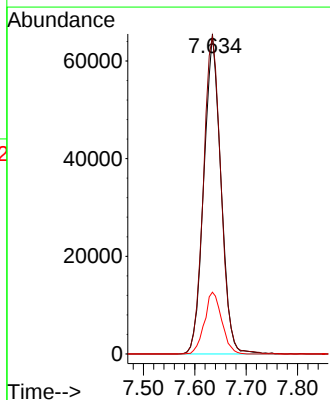
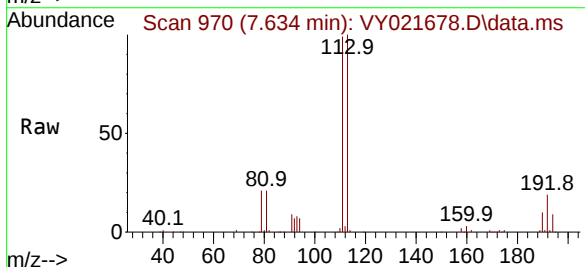
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

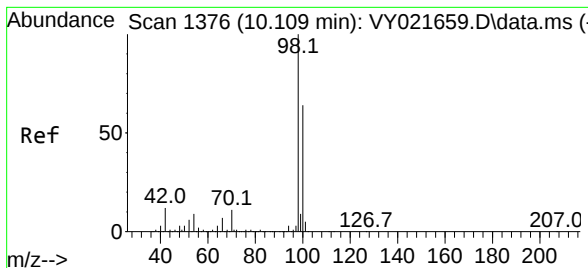
Tgt Ion:114 Resp: 435436
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.2
88 15.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 53.431 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

Tgt Ion:113 Resp: 150920
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 19.6 16.2 24.4

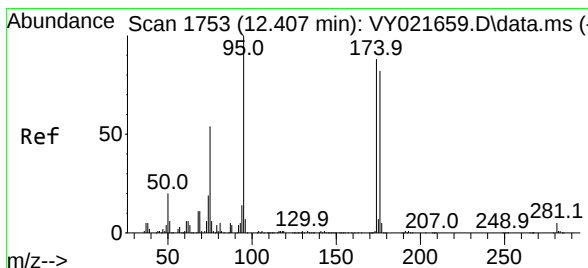
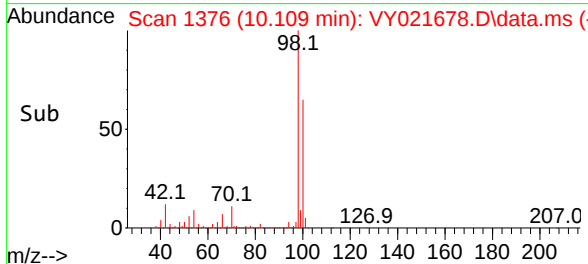
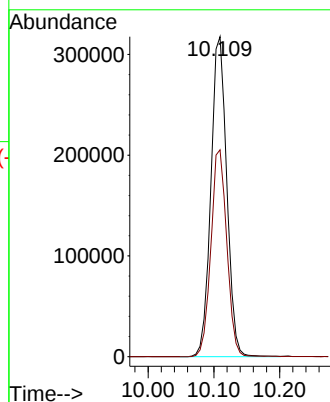
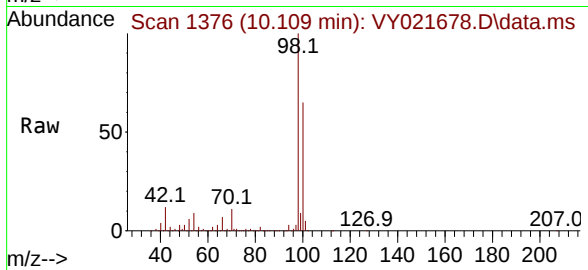




#50
Toluene-d8
Concen: 49.632 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

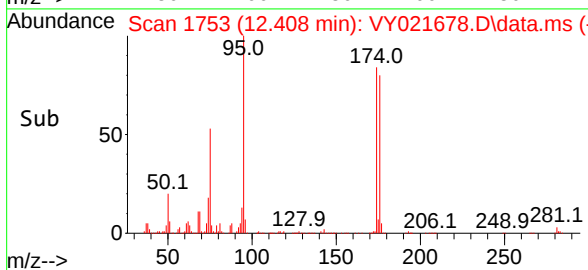
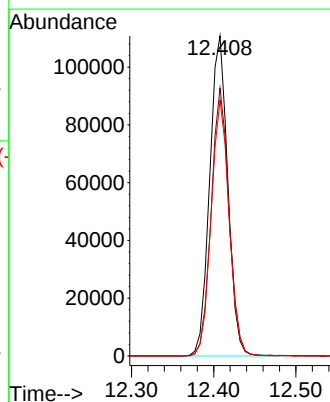
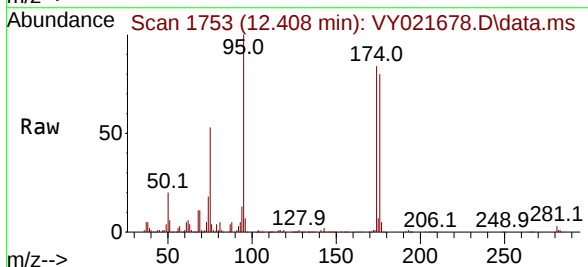
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

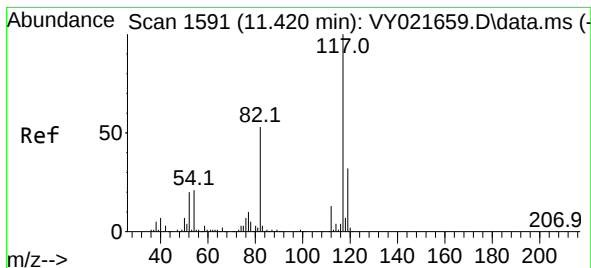
Tgt Ion: 98 Resp: 533323
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.714 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

Tgt Ion: 95 Resp: 169789
Ion Ratio Lower Upper
95 100
174 82.3 0.0 170.8
176 79.0 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: VY021678.D

Acq: 27 Mar 2025 19:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

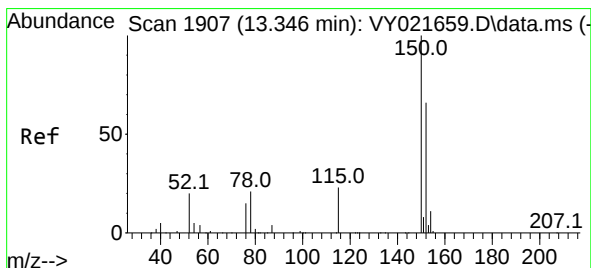
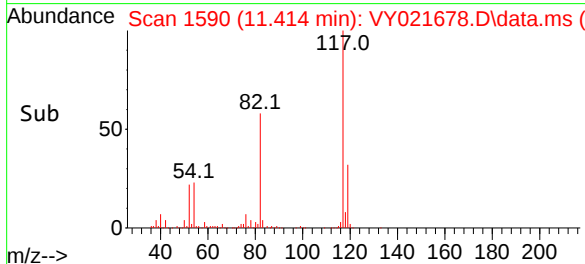
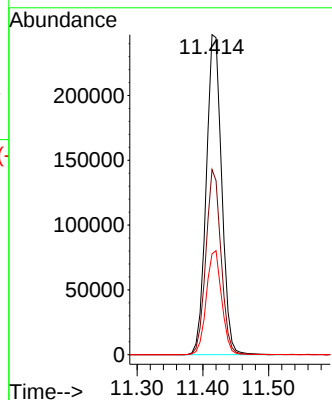
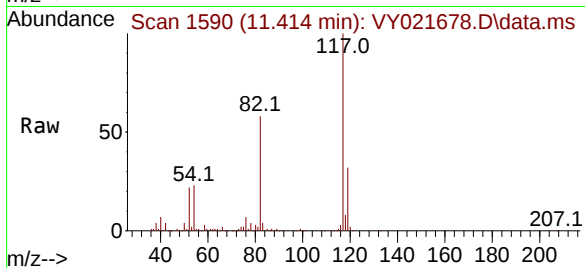
Tgt Ion:117 Resp: 403631

Ion Ratio Lower Upper

117 100

82 57.8 42.8 64.2

119 31.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021678.D

Acq: 27 Mar 2025 19:42

Tgt Ion:152 Resp: 165617

Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 157.9 0.0 348.4

