

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021841.D
 Acq On : 10 Apr 2025 16:24
 Operator : SY/MD
 Sample : Q1752-03
 Misc : 6.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Apr 11 01:51:53 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	213903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	409508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	354639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131821	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134030	57.832	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.660%
35) Dibromofluoromethane	7.634	113	138481	52.131	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.260%
50) Toluene-d8	10.109	98	498894	49.367	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.740%
62) 4-Bromofluorobenzene	12.408	95	139278	40.745	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.500%

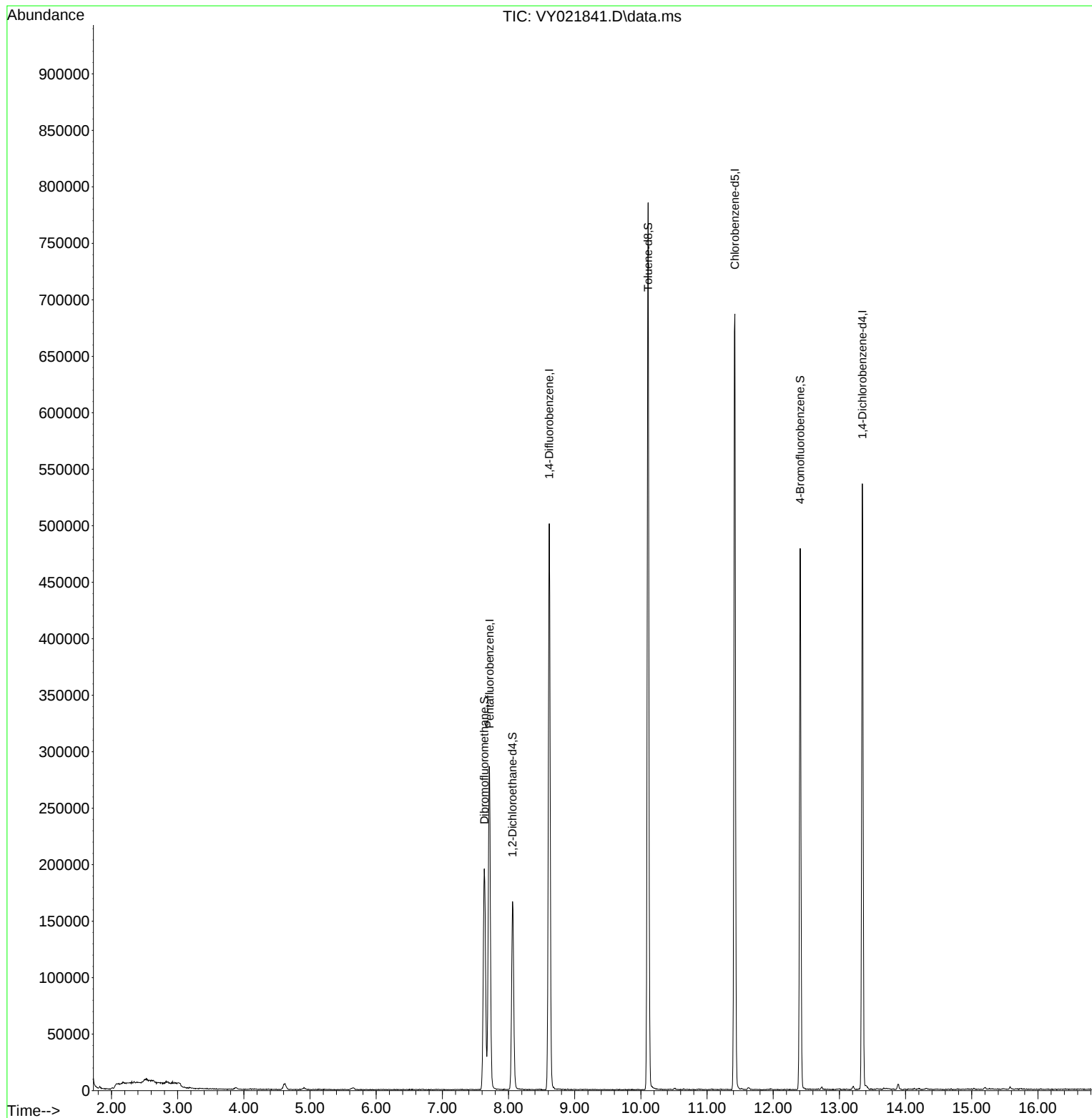
Target Compounds	Qvalue

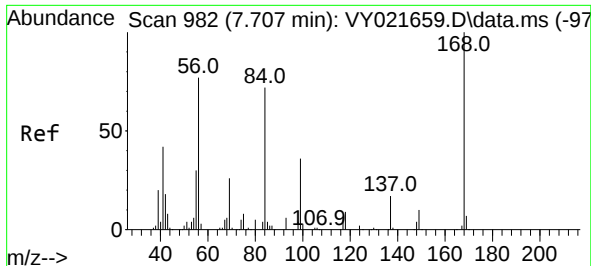
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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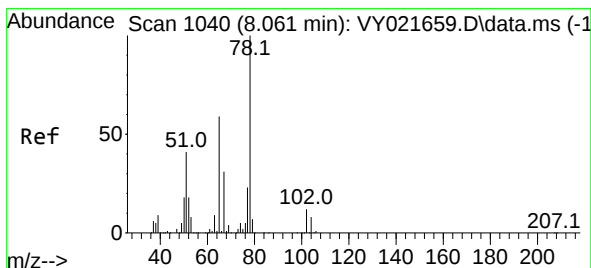
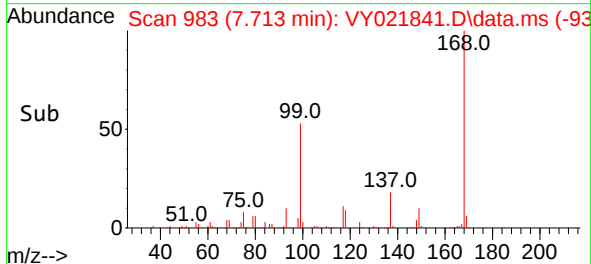
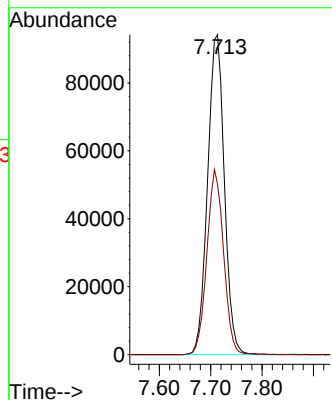
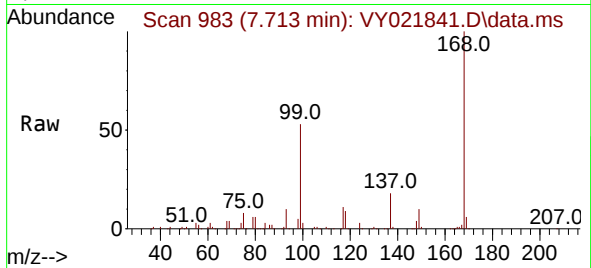




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021841.D
Acq: 10 Apr 2025 16:24

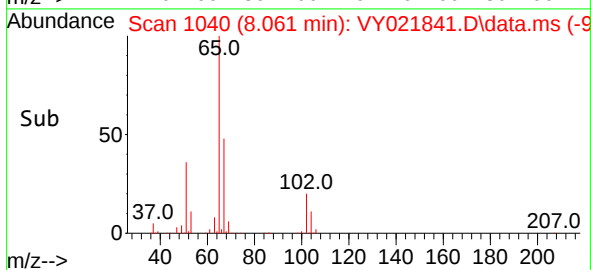
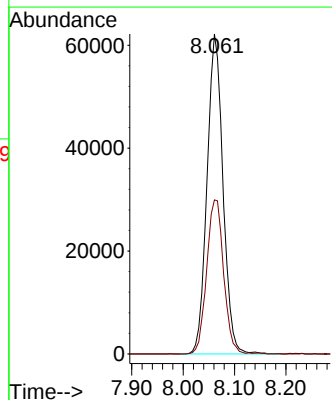
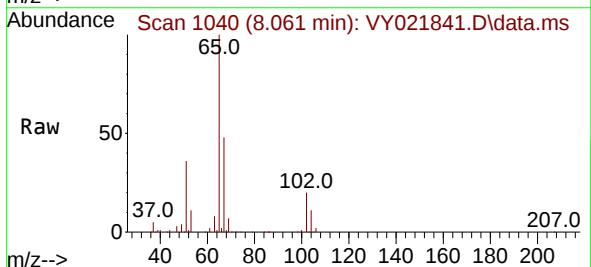
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

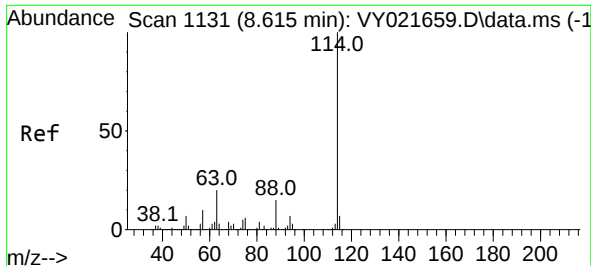
Tgt Ion:168 Resp: 213903
Ion Ratio Lower Upper
168 100
99 53.3 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 57.832 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021841.D
Acq: 10 Apr 2025 16:24

Tgt Ion: 65 Resp: 134030
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.6

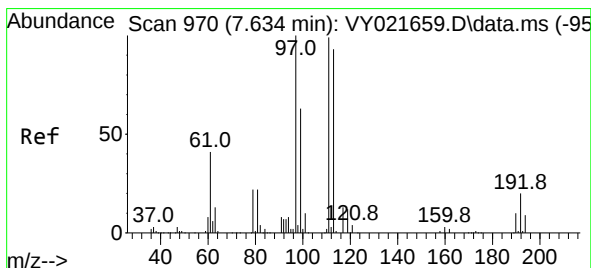
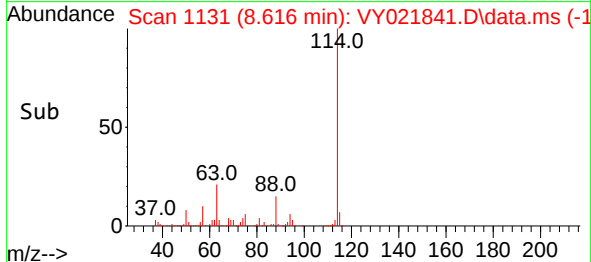
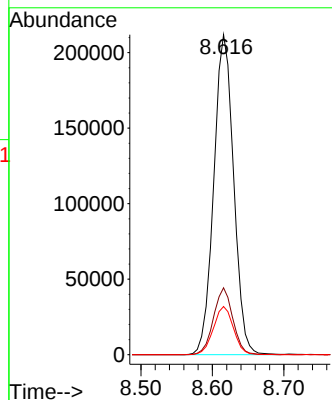
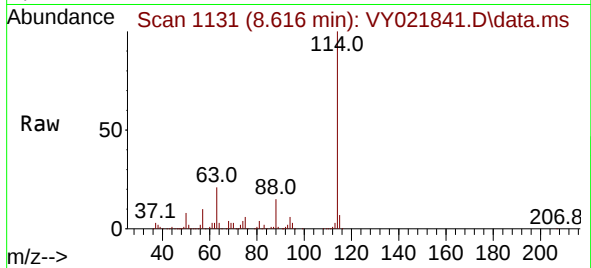




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021841.D
Acq: 10 Apr 2025 16:24

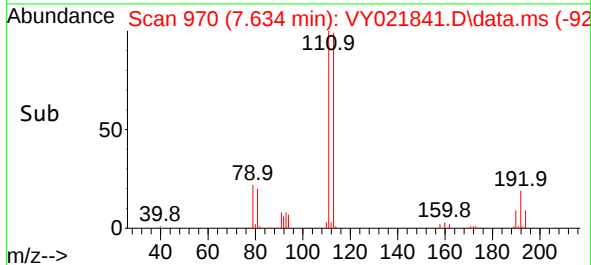
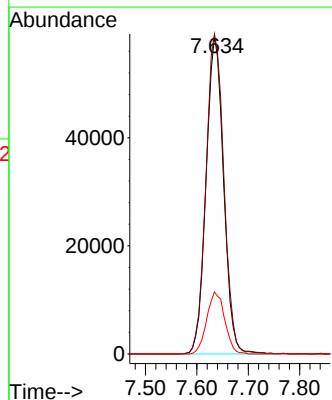
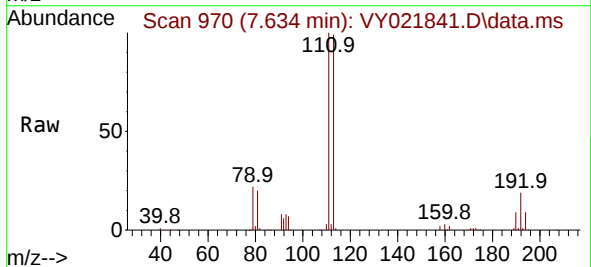
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

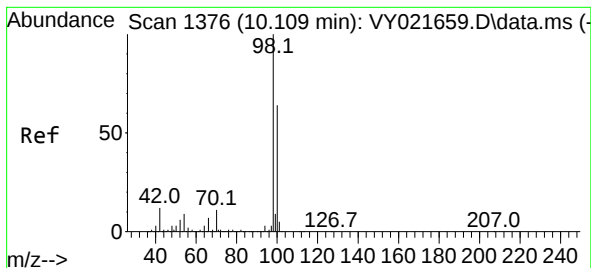
Tgt Ion:114 Resp: 409508
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.2
88 15.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.131 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021841.D
Acq: 10 Apr 2025 16:24

Tgt Ion:113 Resp: 138481
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 20.1 16.2 24.4

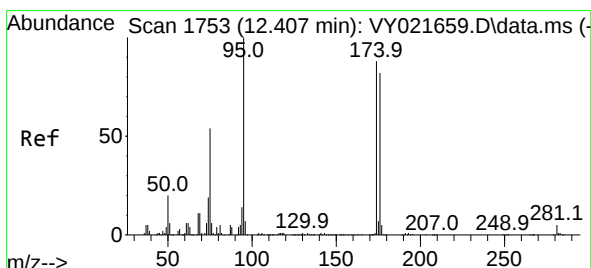
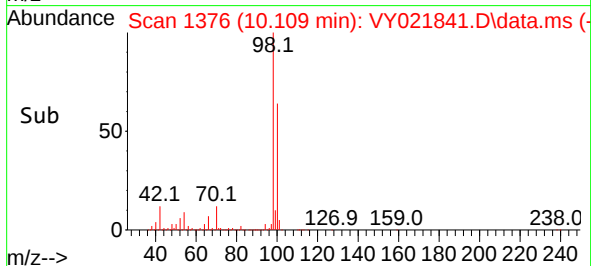
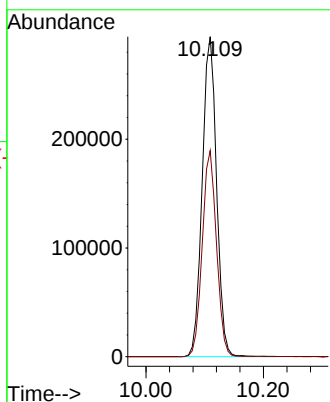
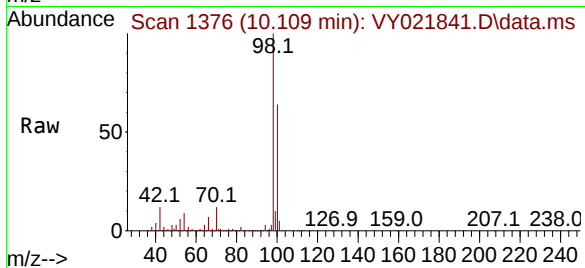




#50
Toluene-d8
Concen: 49.367 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021841.D
Acq: 10 Apr 2025 16:24

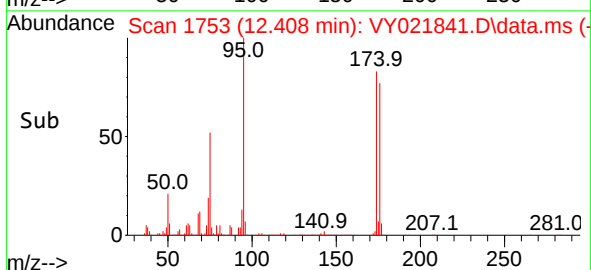
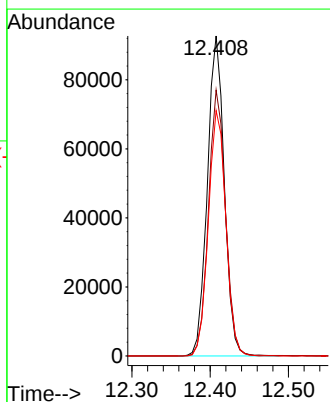
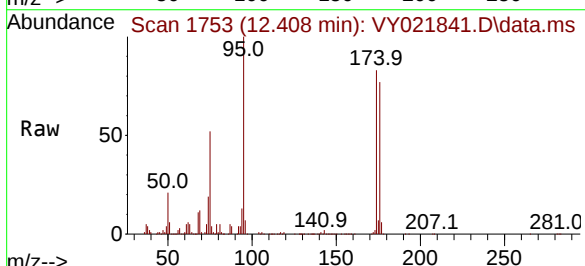
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

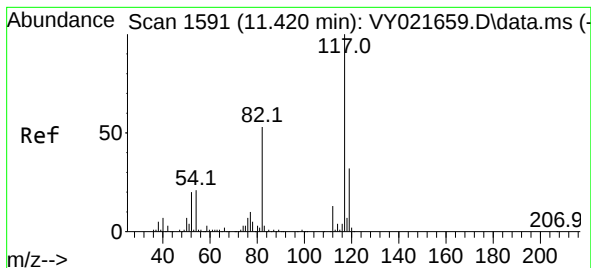
Tgt Ion: 98 Resp: 498894
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 40.745 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021841.D
Acq: 10 Apr 2025 16:24

Tgt Ion: 95 Resp: 139278
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.8
176 78.9 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: VY021841.D

Acq: 10 Apr 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

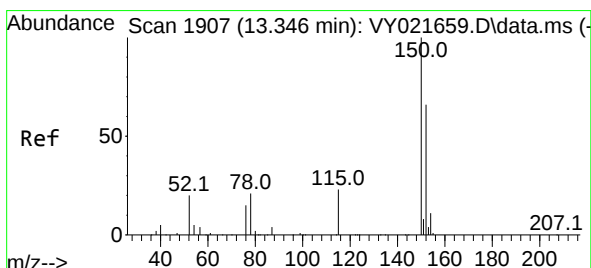
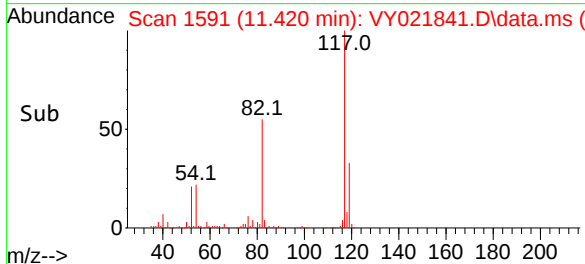
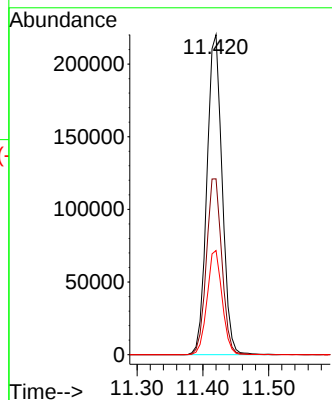
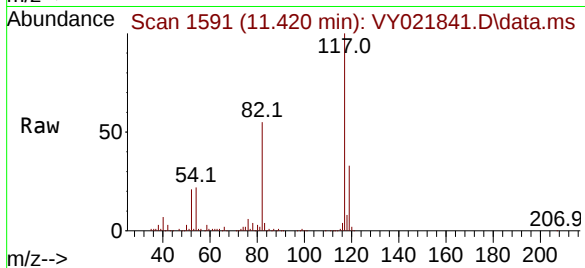
Tgt Ion:117 Resp: 354639

Ion Ratio Lower Upper

117 100

82 55.0 42.8 64.2

119 32.5 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: VY021841.D

Acq: 10 Apr 2025 16:24

Tgt Ion:152 Resp: 131821

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 156.6 0.0 348.4

