

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021948.D
 Acq On : 21 Apr 2025 15:08
 Operator : SY/MD
 Sample : Q1851-05
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GP5

Quant Time: Apr 22 02:45:51 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	202834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	379948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	108735	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104981	47.770	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.540%
35) Dibromofluoromethane	7.640	113	124478	50.505	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.020%
50) Toluene-d8	10.109	98	428087	45.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.320%
62) 4-Bromofluorobenzene	12.408	95	118391	37.330	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.660%

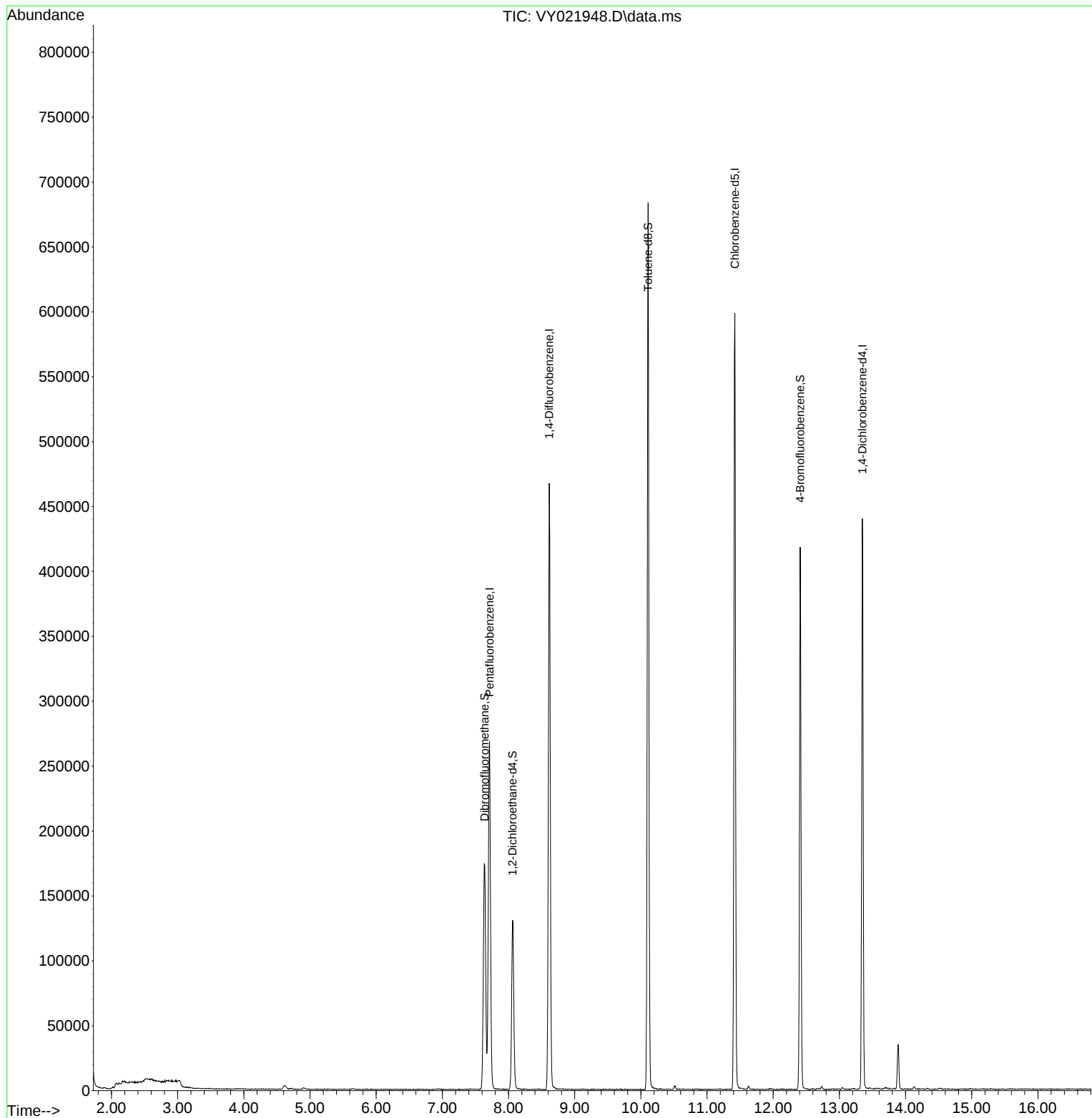
Target Compounds	Qvalue

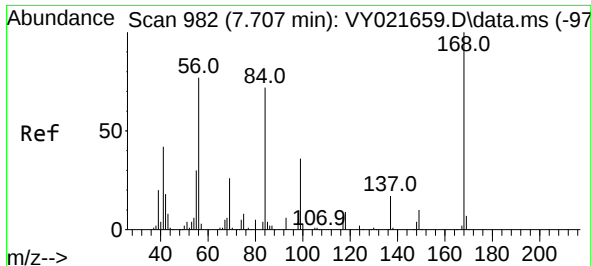
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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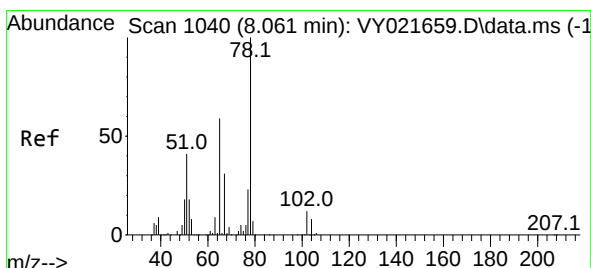
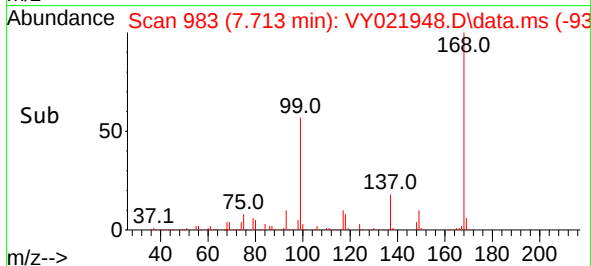
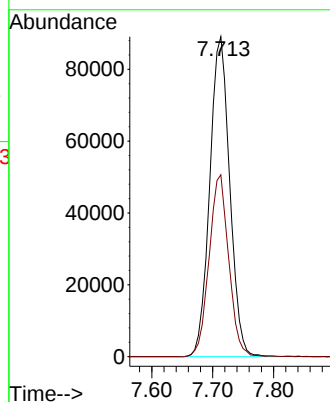
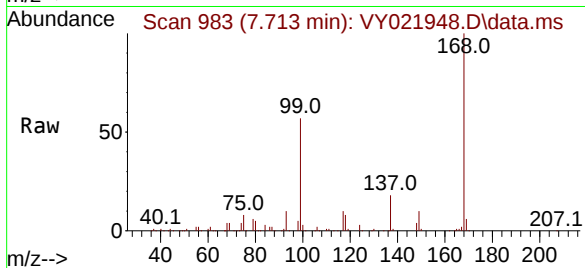




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

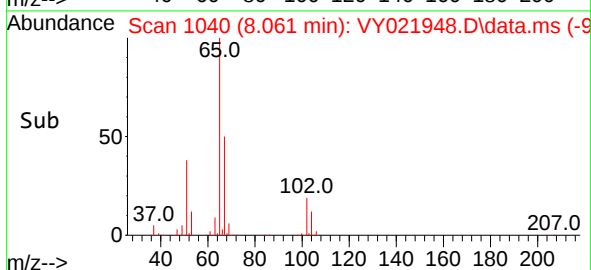
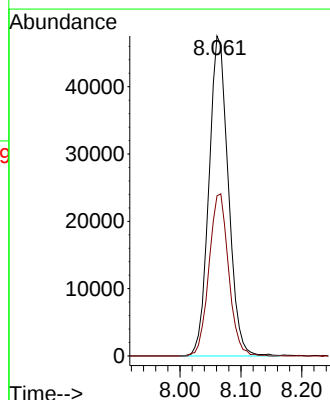
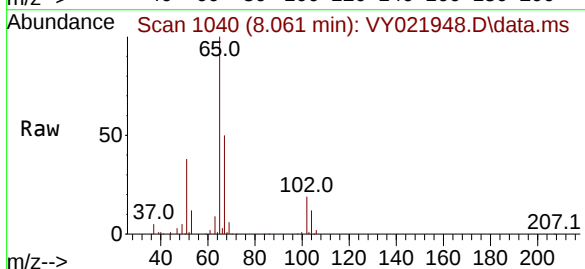
Instrument :
MSVOA_Y
ClientSampleId :
GP5

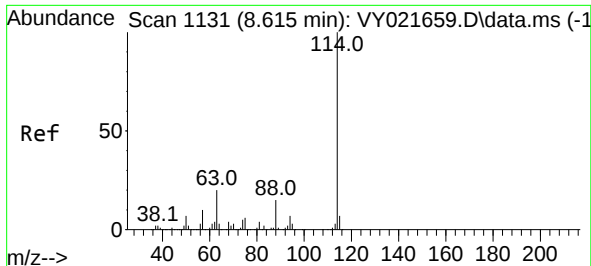
Tgt Ion:168 Resp: 202834
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 47.770 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Tgt Ion: 65 Resp: 104981
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6

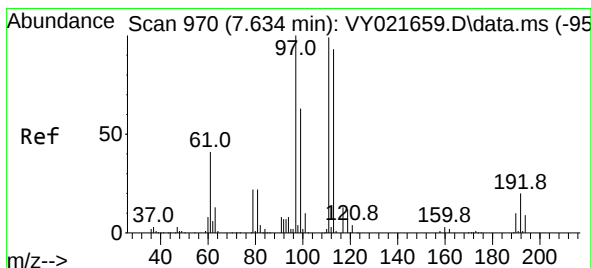
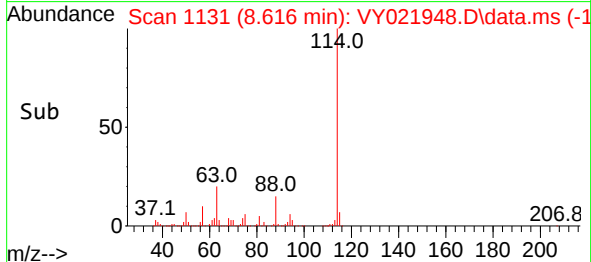
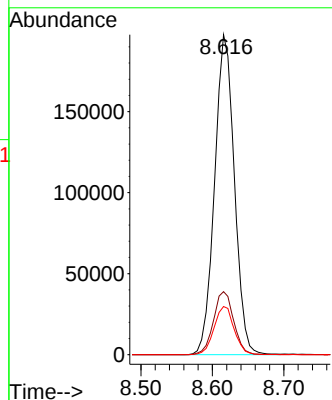
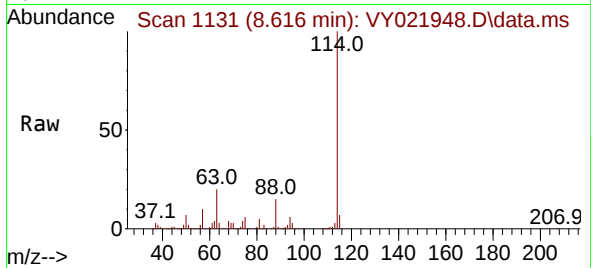




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

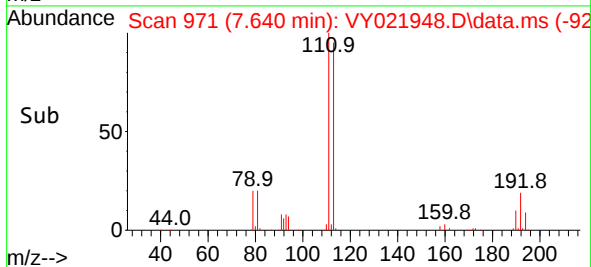
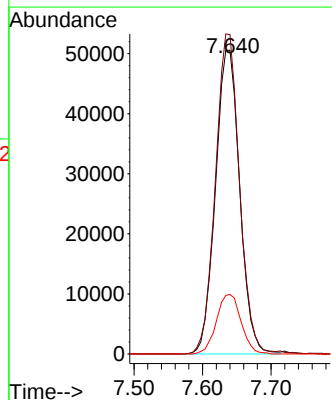
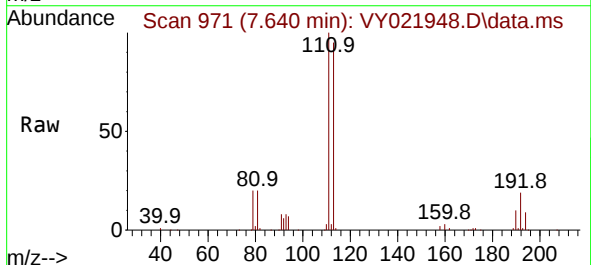
Instrument :
MSVOA_Y
ClientSampleId :
GP5

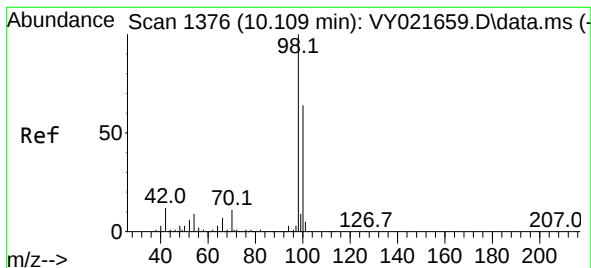
Tgt Ion:114 Resp: 379948
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.2
88 15.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 50.505 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Tgt Ion:113 Resp: 124478
Ion Ratio Lower Upper
113 100
111 104.6 82.6 123.8
192 19.8 16.2 24.4

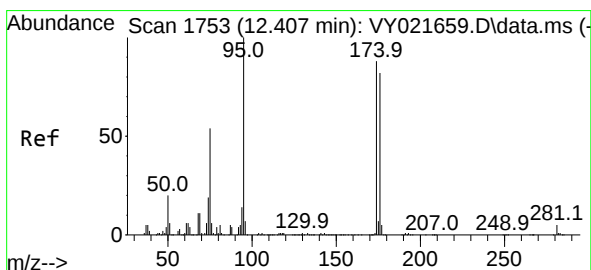
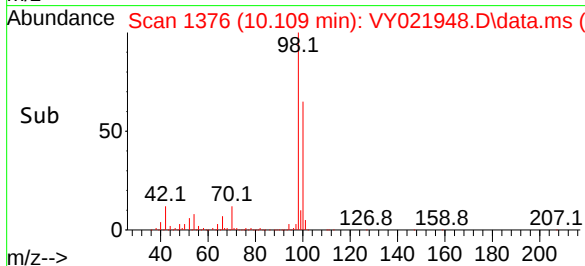
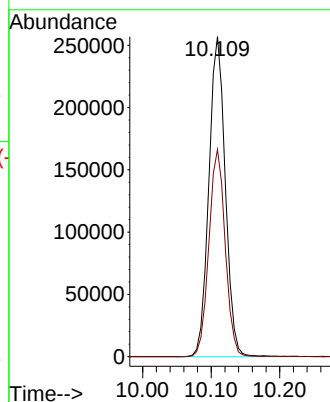
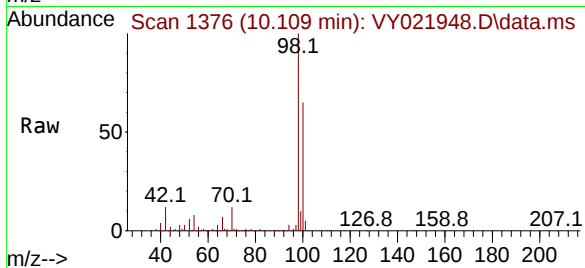




#50
Toluene-d8
Concen: 45.656 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

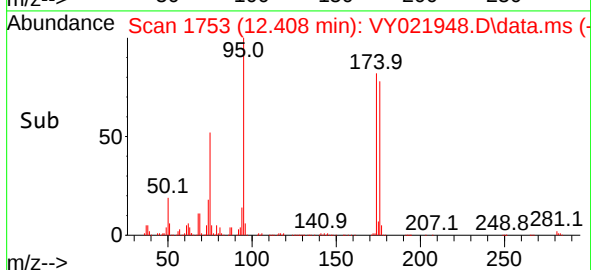
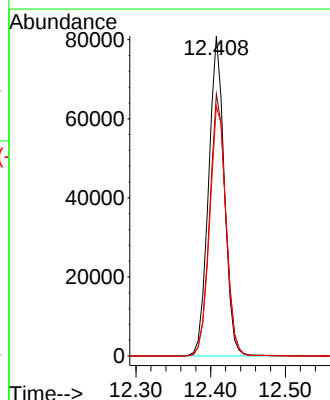
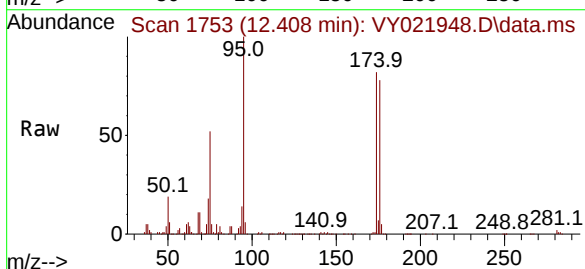
Instrument :
MSVOA_Y
ClientSampleId :
GP5

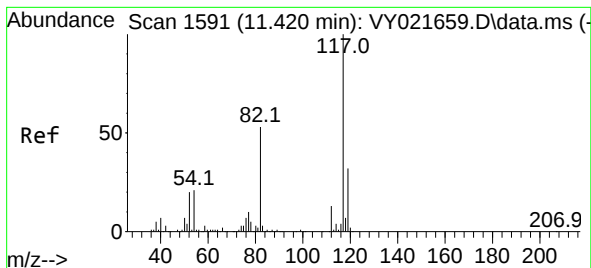
Tgt Ion: 98 Resp: 428087
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 37.330 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Tgt Ion: 95 Resp: 118391
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 81.0 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

GP5

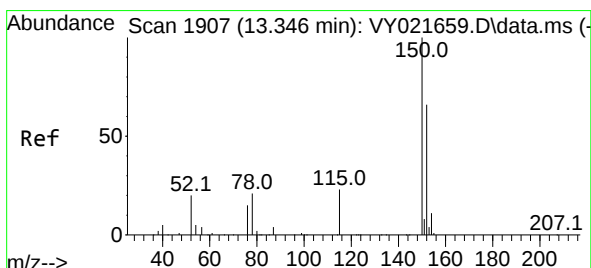
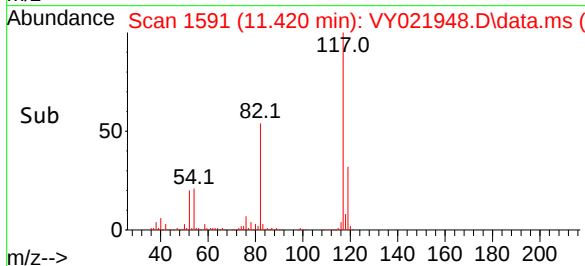
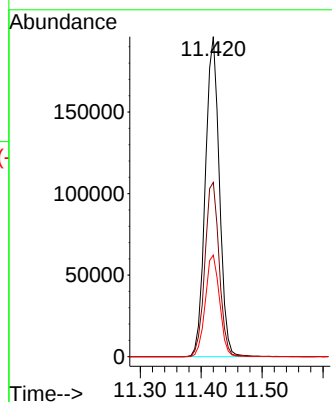
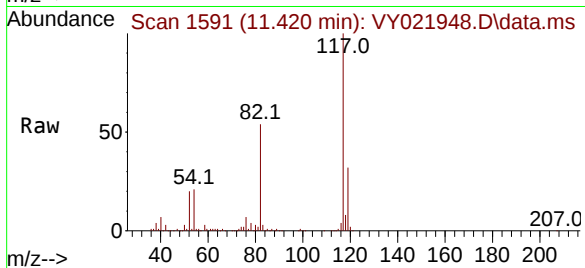
Tgt Ion:117 Resp: 314728

Ion Ratio Lower Upper

117 100

82 54.5 42.8 64.2

119 31.8 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: VY021948.D

Acq: 21 Apr 2025 15:08

Tgt Ion:152 Resp: 108735

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 156.5 0.0 348.4

