

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021940.D
 Acq On : 21 Apr 2025 12:00
 Operator : SY/MD
 Sample : Q1841-01
 Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-231

Quant Time: Apr 22 02:44:13 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	69777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	103875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	78760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	23410	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	32359	42.802	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.600%
35) Dibromofluoromethane	7.634	113	38119	56.572	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.140%
50) Toluene-d8	10.109	98	119798	46.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.460%
62) 4-Bromofluorobenzene	12.402	95	26001	29.987	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.980%

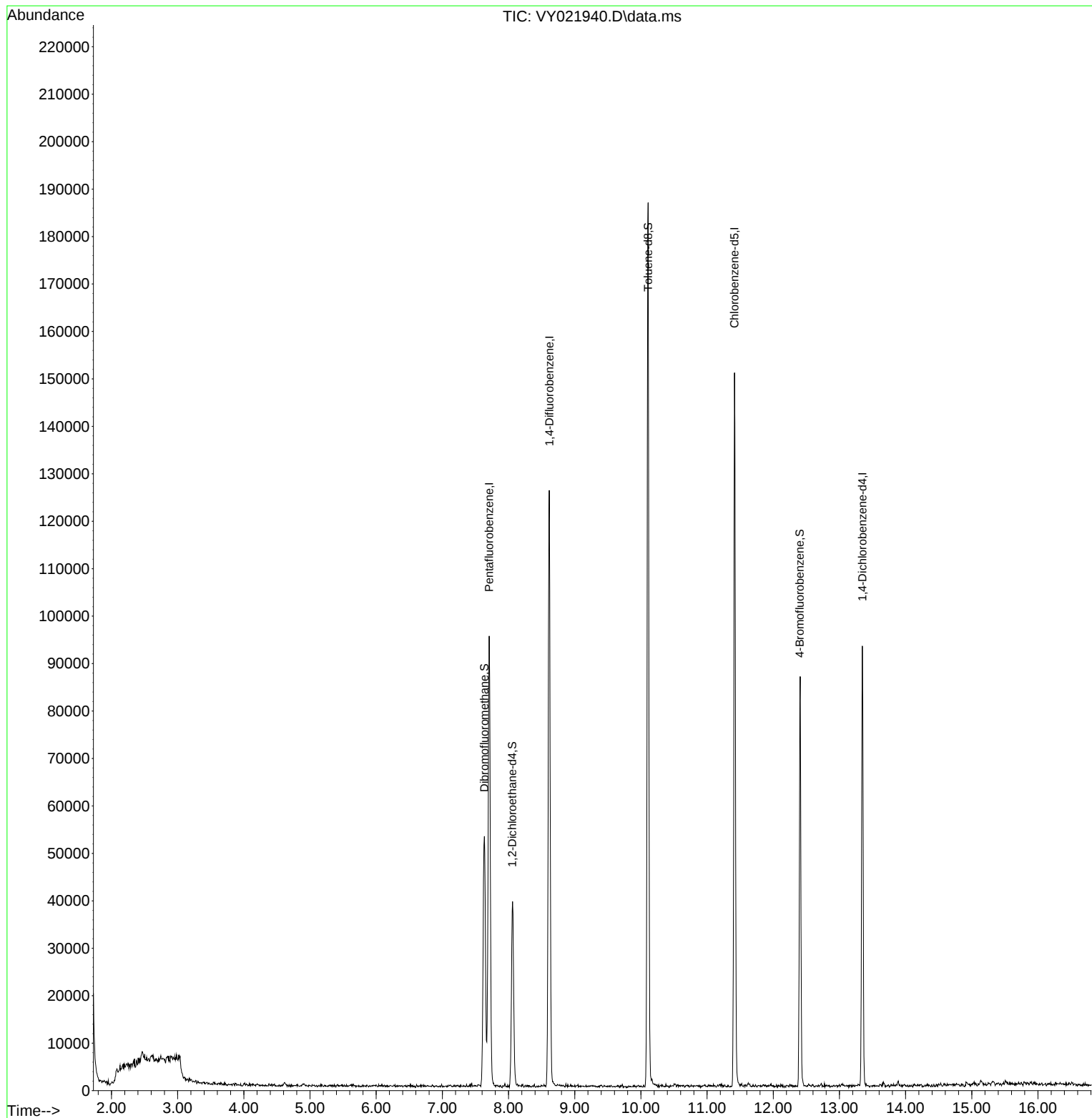
Target Compounds	Qvalue

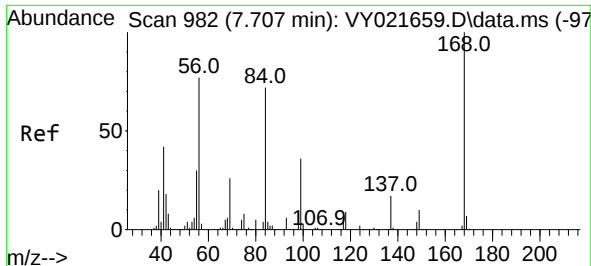
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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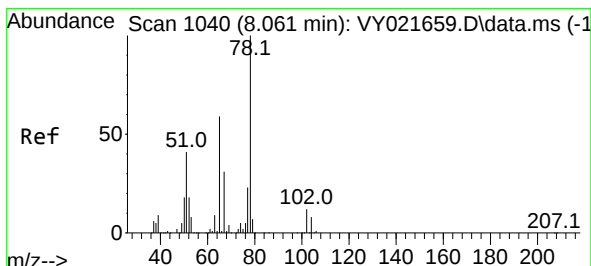
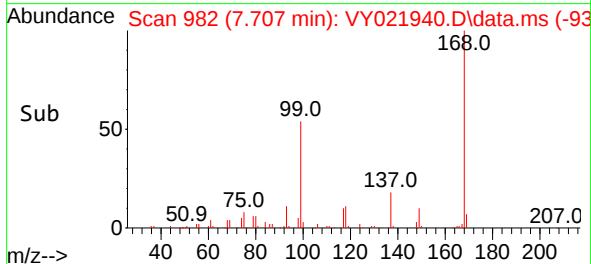
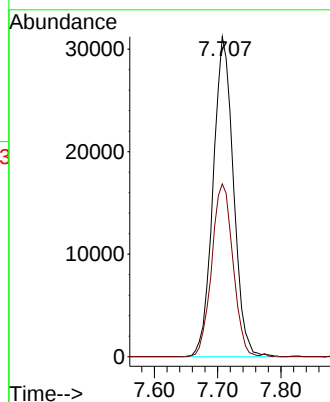
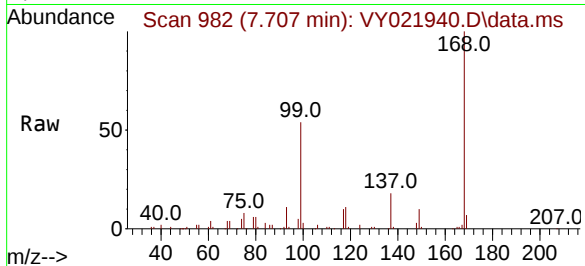




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021940.D
Acq: 21 Apr 2025 12:00

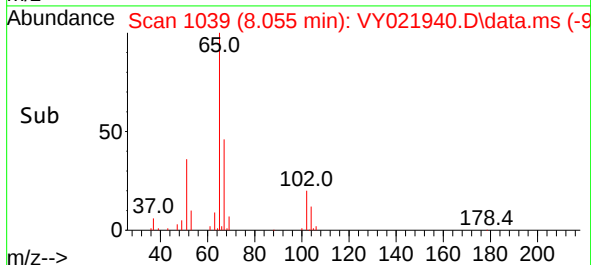
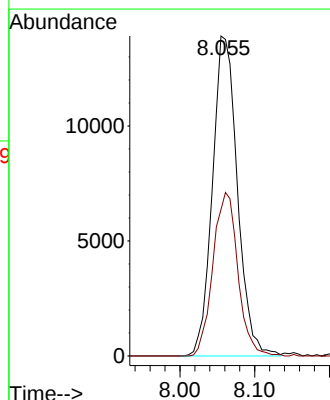
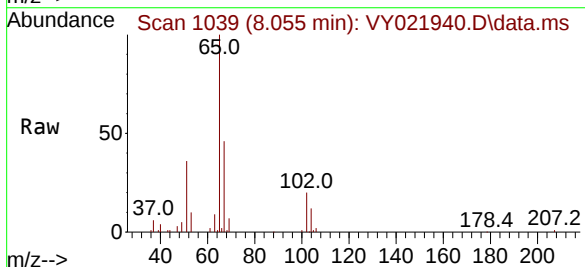
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

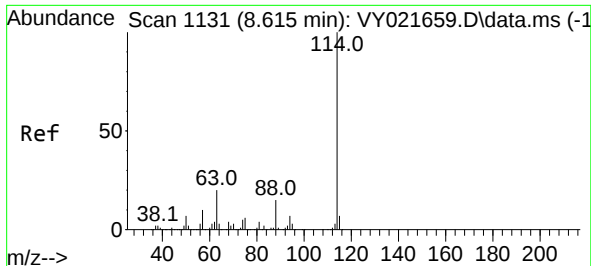
Tgt Ion:168 Resp: 69777
Ion Ratio Lower Upper
168 100
99 54.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 42.802 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021940.D
Acq: 21 Apr 2025 12:00

Tgt Ion: 65 Resp: 32359
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.6

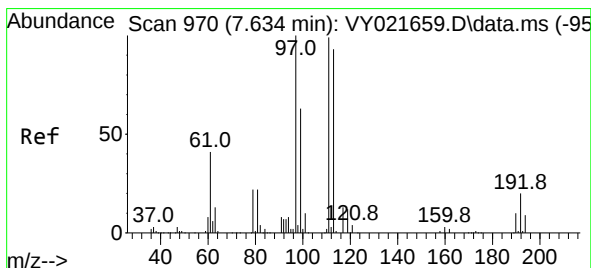
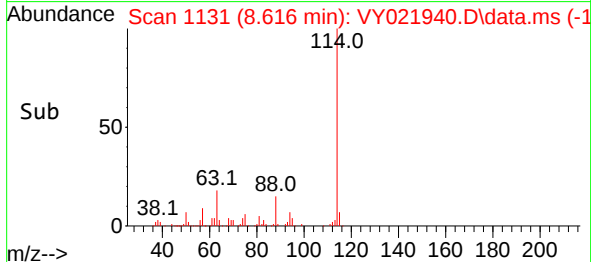
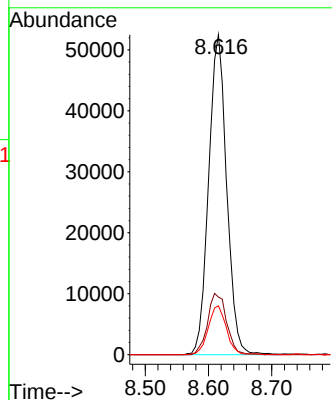
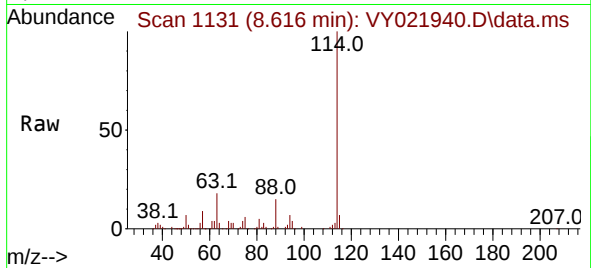




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021940.D
Acq: 21 Apr 2025 12:00

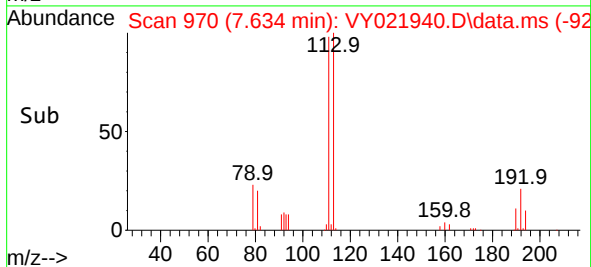
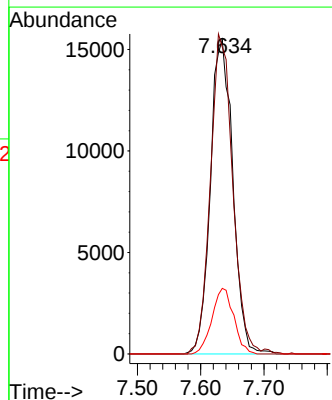
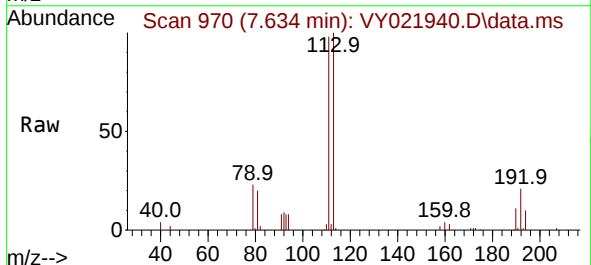
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

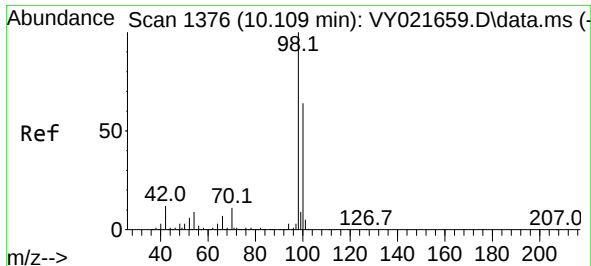
Tgt Ion:114 Resp: 103875
Ion Ratio Lower Upper
114 100
63 18.0 0.0 40.2
88 15.2 0.0 29.8



#35
Dibromofluoromethane
Concen: 56.572 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021940.D
Acq: 21 Apr 2025 12:00

Tgt Ion:113 Resp: 38119
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 20.2 16.2 24.4

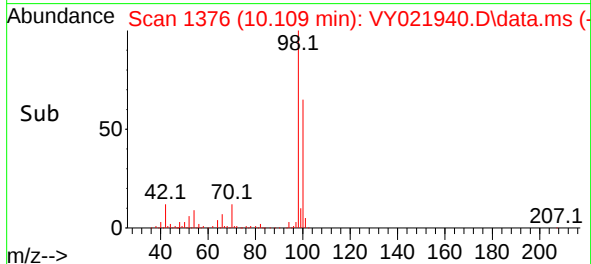
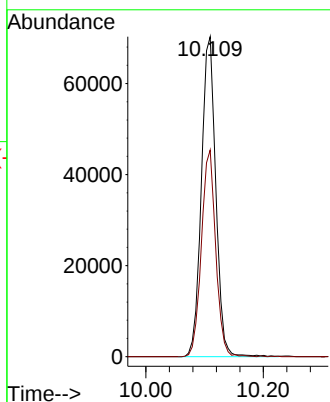
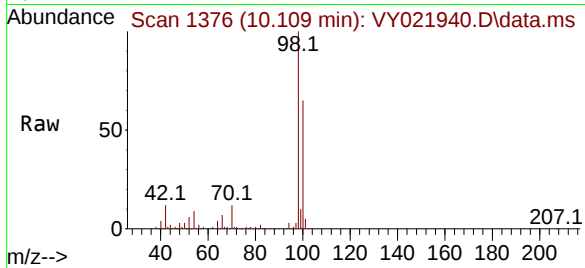




#50
Toluene-d8
Concen: 46.734 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021940.D
Acq: 21 Apr 2025 12:00

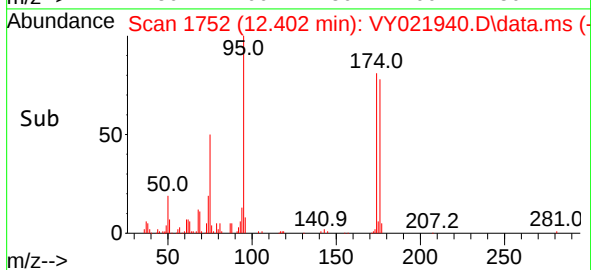
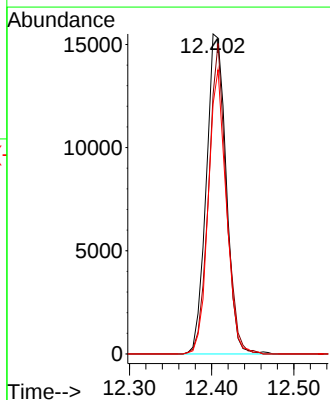
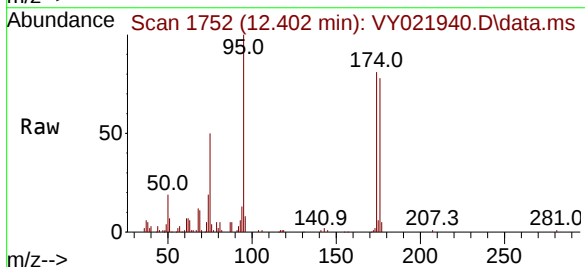
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

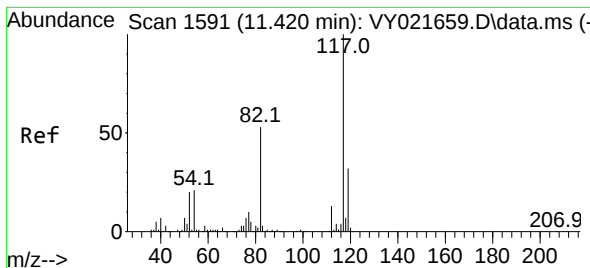
Tgt Ion: 98 Resp: 119798
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 29.987 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021940.D
Acq: 21 Apr 2025 12:00

Tgt Ion: 95 Resp: 26001
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.8
176 80.4 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: VY021940.D

Acq: 21 Apr 2025 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-231

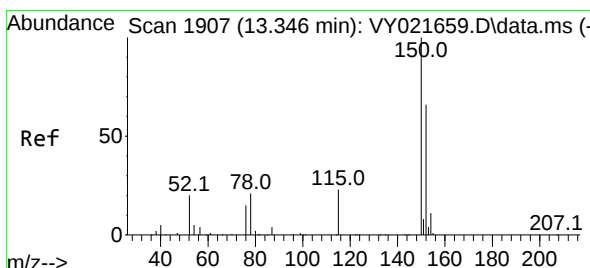
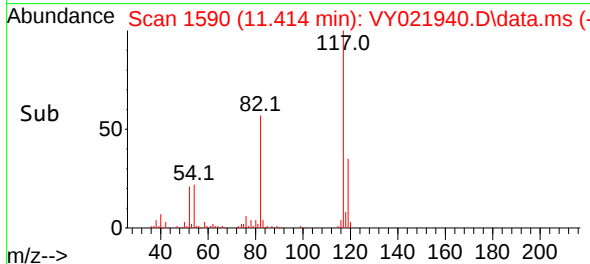
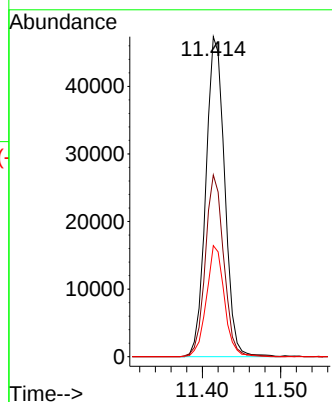
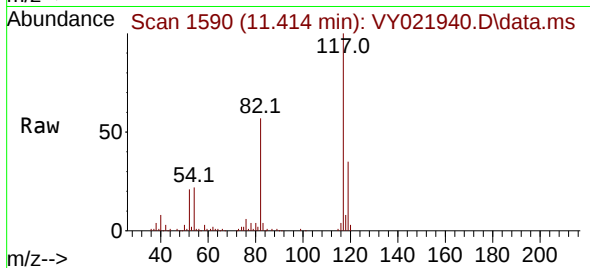
Tgt Ion:117 Resp: 78760

Ion Ratio Lower Upper

117 100

82 56.8 42.8 64.2

119 34.7 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: VY021940.D

Acq: 21 Apr 2025 12:00

Tgt Ion:152 Resp: 23410

Ion Ratio Lower Upper

152 100

115 59.7 28.8 86.5

150 156.7 0.0 348.4

