

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022289.D
 Acq On : 16 May 2025 14:28
 Operator : SY/MD
 Sample : Q1982-07
 Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8

Quant Time: May 17 01:33:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	265944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	467527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	335264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	97059	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132106	45.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.900%
35) Dibromofluoromethane	7.634	113	135434	48.534	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.060%
50) Toluene-d8	10.103	98	540727	47.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.620%
62) 4-Bromofluorobenzene	12.401	95	141558	39.078	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.160%

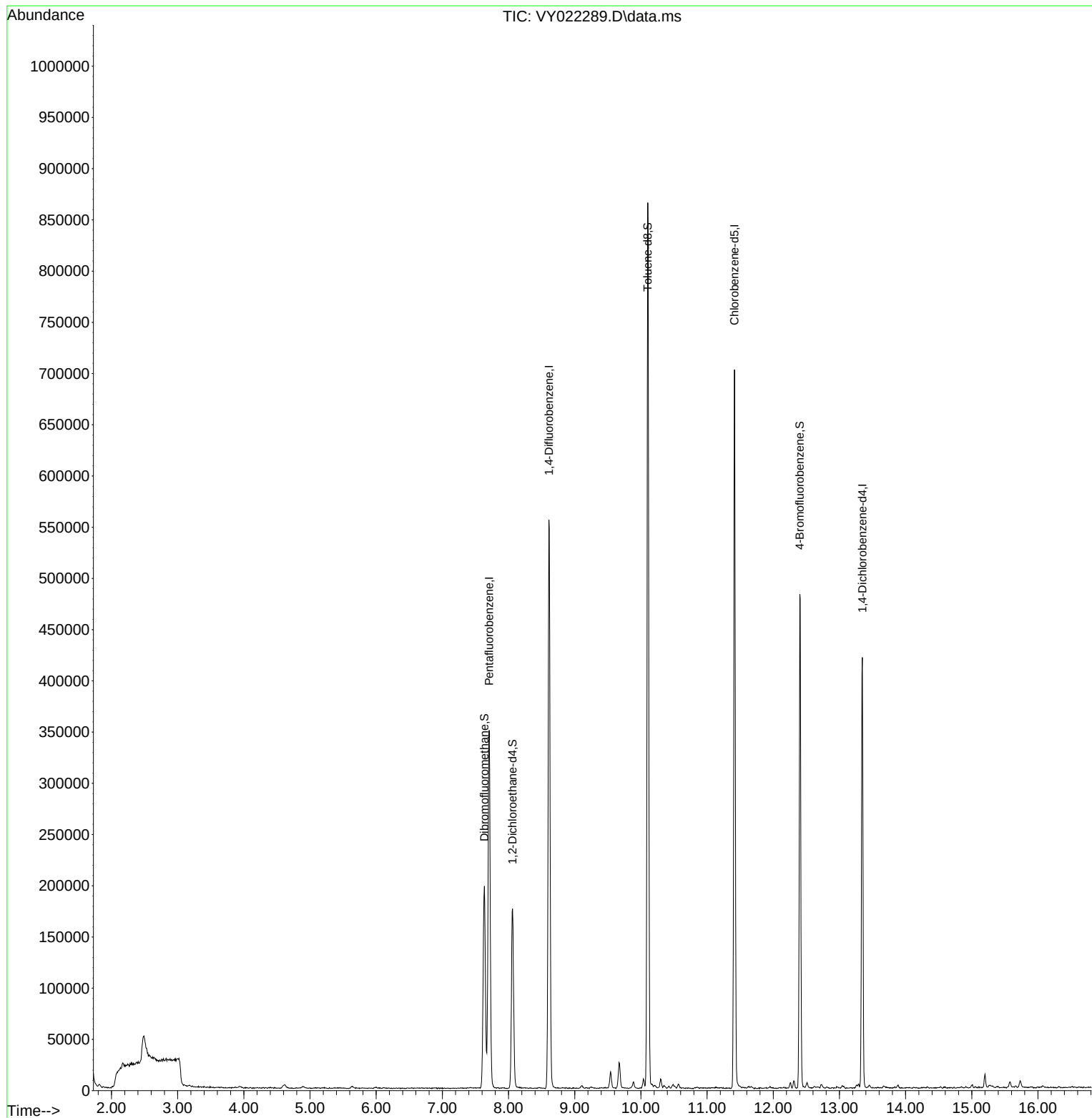
Target Compounds	Qvalue

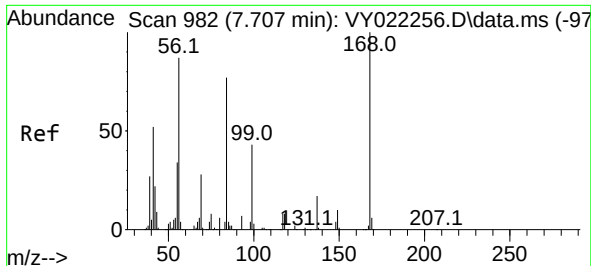
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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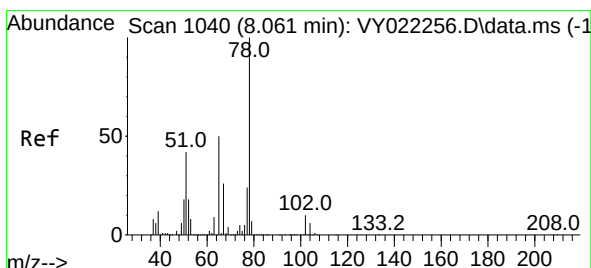
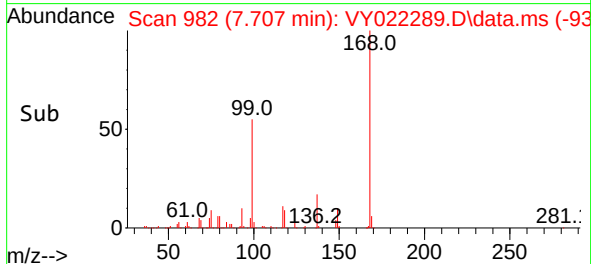
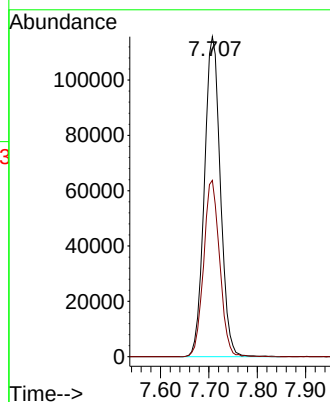
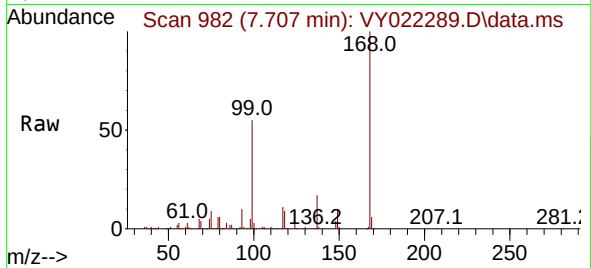




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

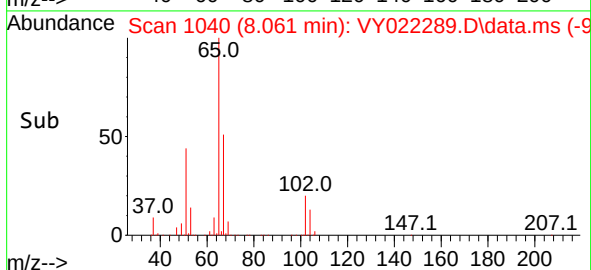
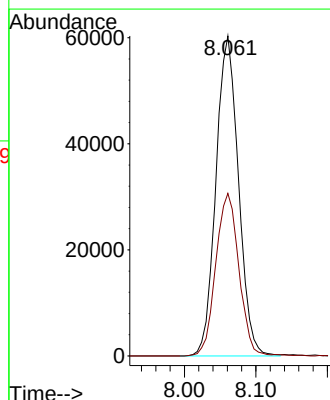
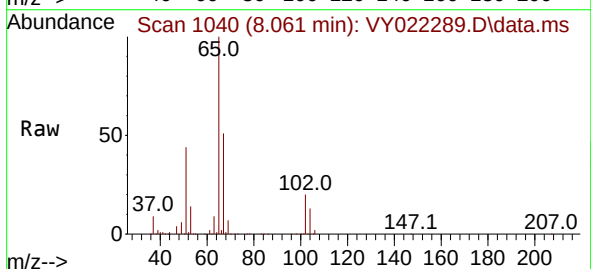
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

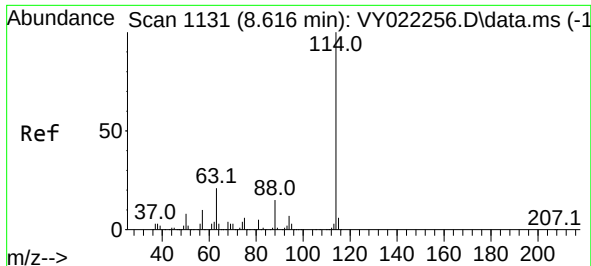
Tgt Ion:168 Resp: 265944
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 45.452 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion: 65 Resp: 132106
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6

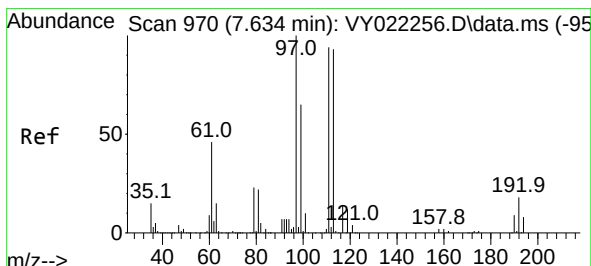
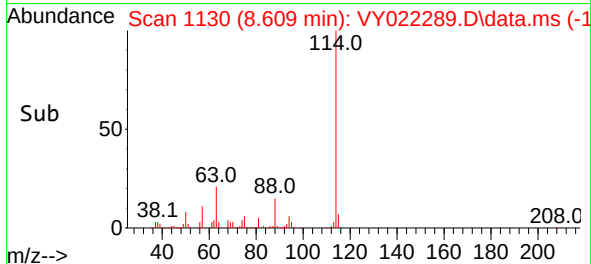
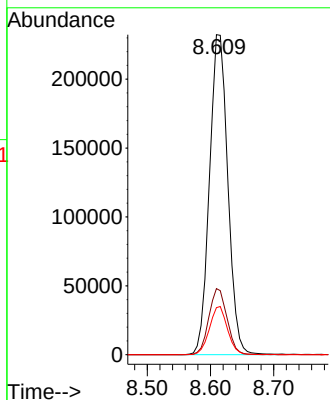
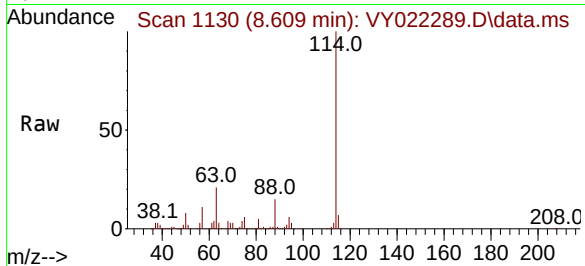




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

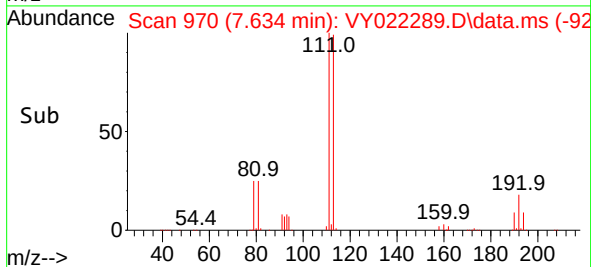
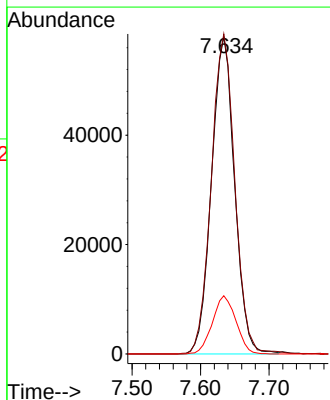
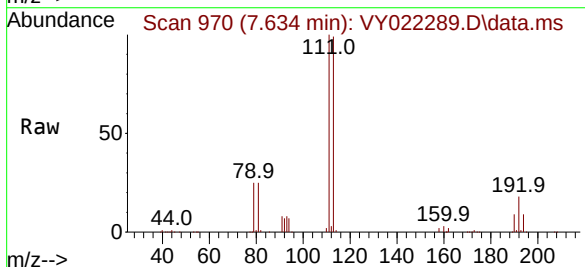
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

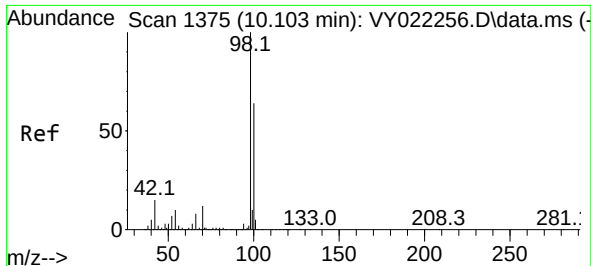
Tgt Ion:114 Resp: 467527
Ion Ratio Lower Upper
114 100
63 20.6 0.0 41.0
88 14.7 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.534 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion:113 Resp: 135434
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 18.7 15.2 22.8

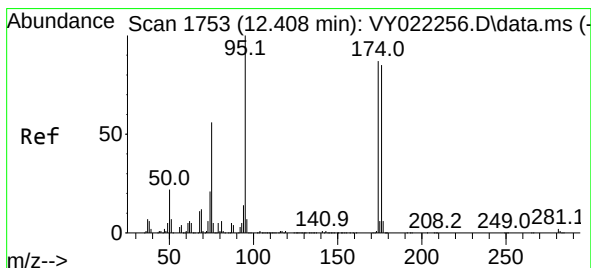
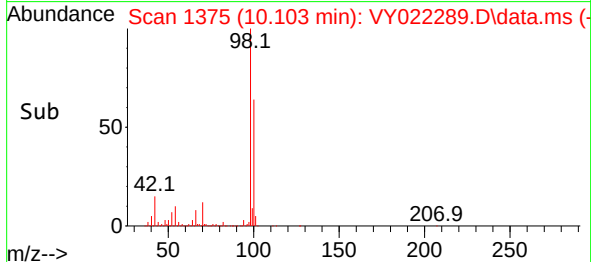
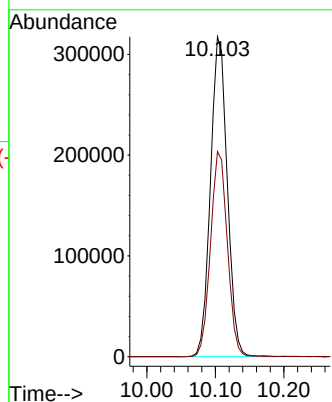
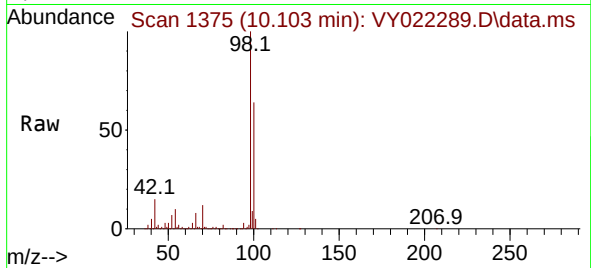




#50
Toluene-d8
Concen: 47.314 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

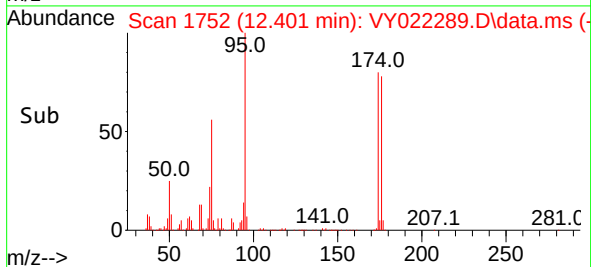
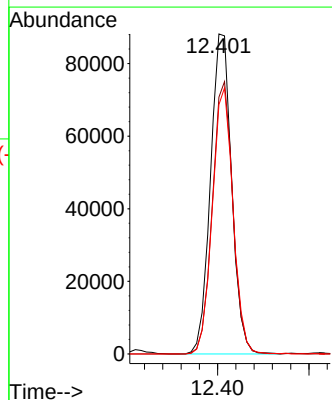
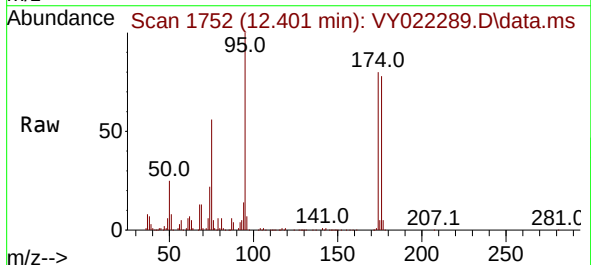
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

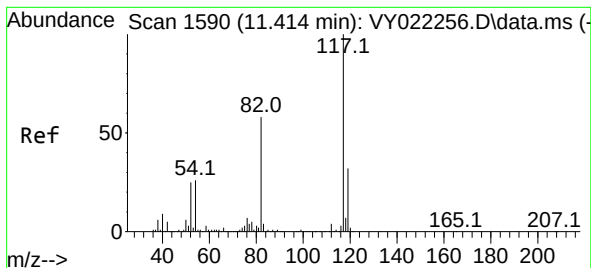
Tgt Ion: 98 Resp: 540727
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.078 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion: 95 Resp: 141558
Ion Ratio Lower Upper
95 100
174 82.6 0.0 166.8
176 81.3 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022289.D

Acq: 16 May 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-8

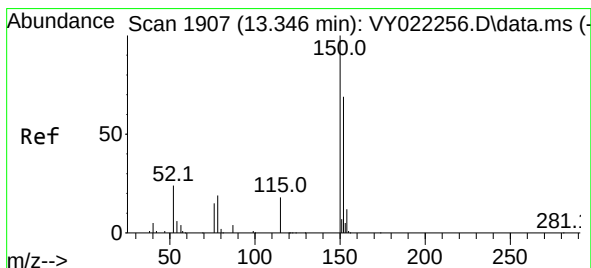
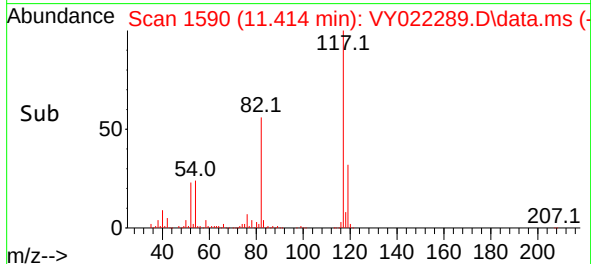
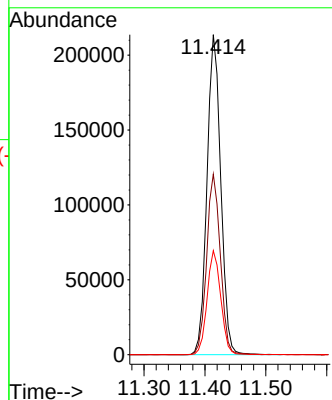
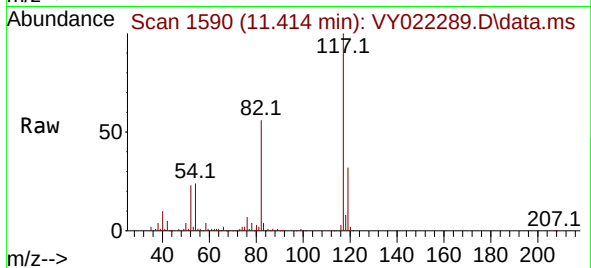
Tgt Ion:117 Resp: 335264

Ion Ratio Lower Upper

117 100

82 56.4 46.6 70.0

119 32.5 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022289.D

Acq: 16 May 2025 14:28

Tgt Ion:152 Resp: 97059

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

150 157.7 0.0 353.8

