

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022363.D
 Acq On : 21 May 2025 13:34
 Operator : SY/MD
 Sample : Q2097-07
 Misc : 5.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-244

Quant Time: May 22 00:09:34 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	7.713	168	247246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	442845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	351088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	132895	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124632	46.123	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.240%
35) Dibromofluoromethane	7.646	113	129070	48.832	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.660%
50) Toluene-d8	10.115	98	528215	48.795	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.580%
62) 4-Bromofluorobenzene	12.408	95	139008	40.513	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.020%

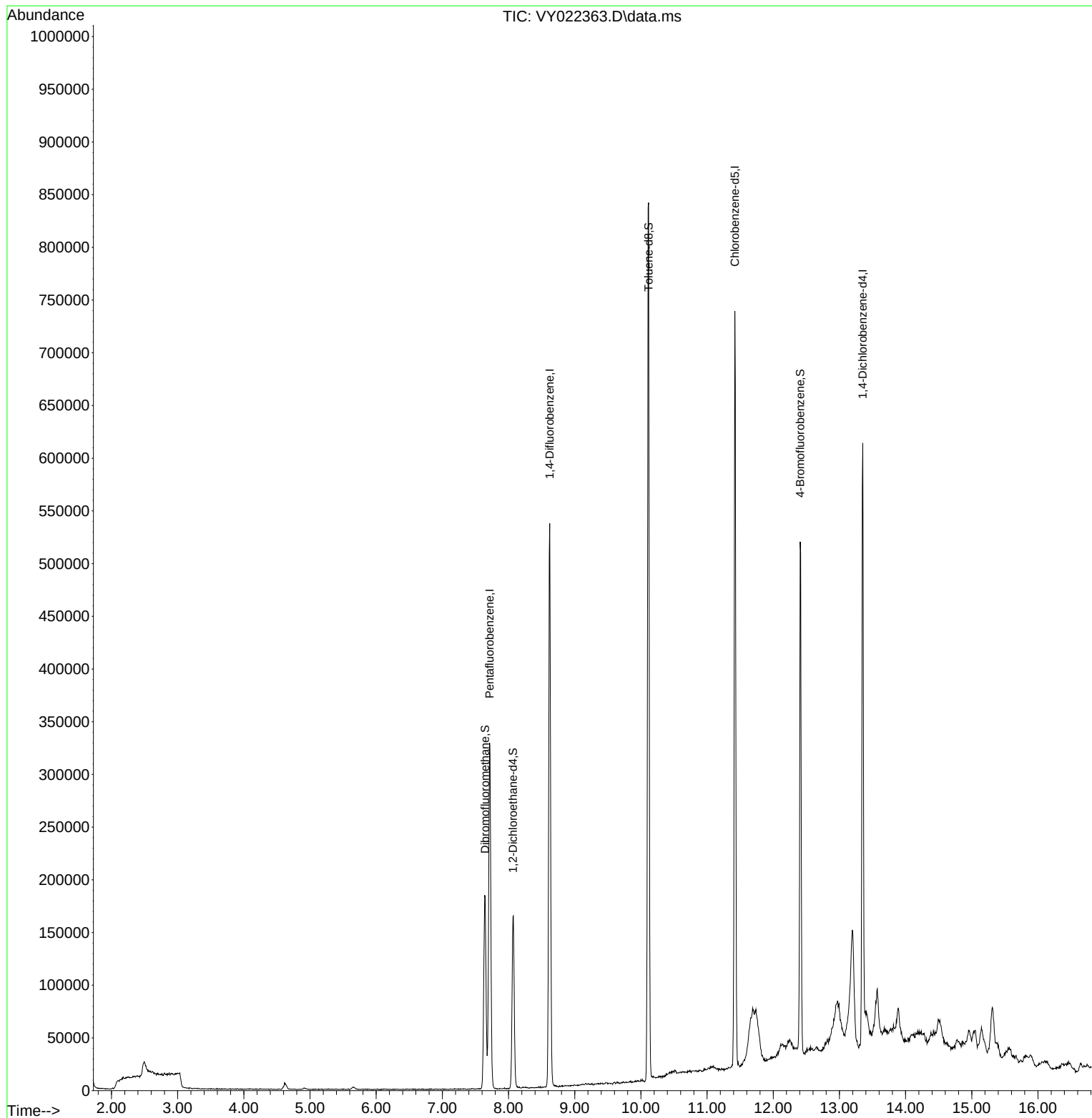
Target Compounds	Qvalue

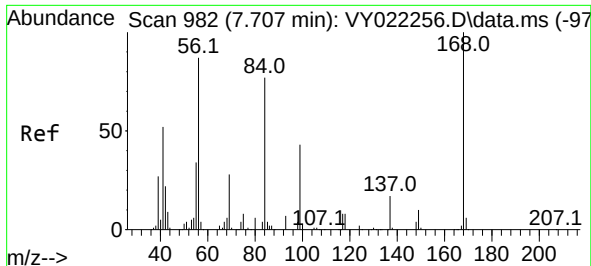
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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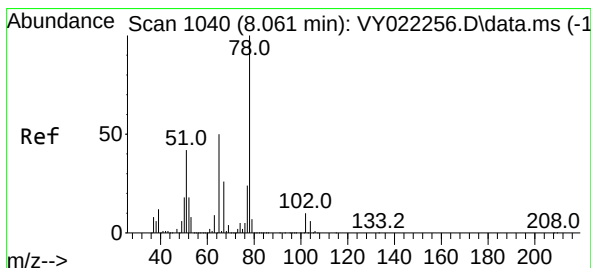
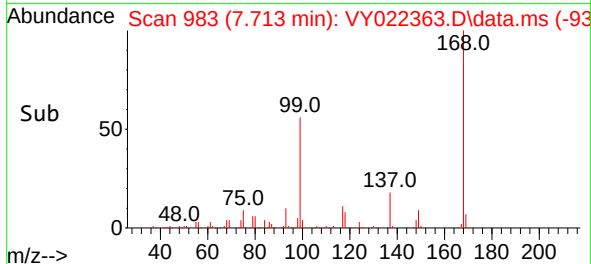
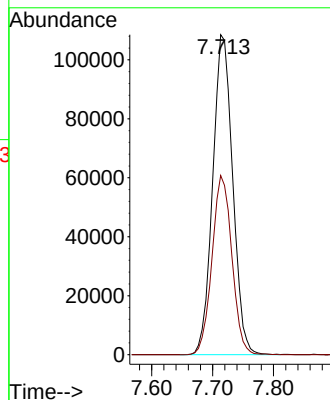
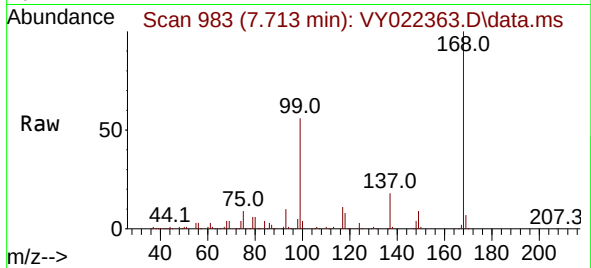




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022363.D
Acq: 21 May 2025 13:34

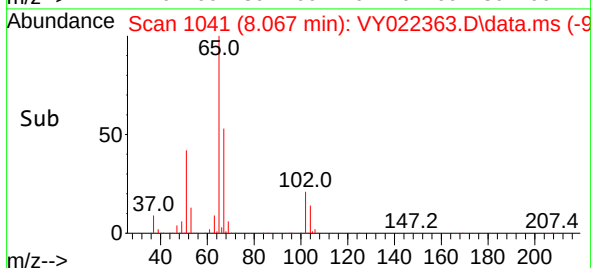
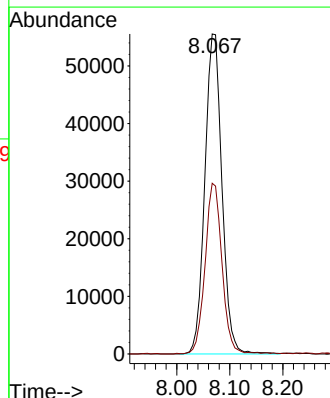
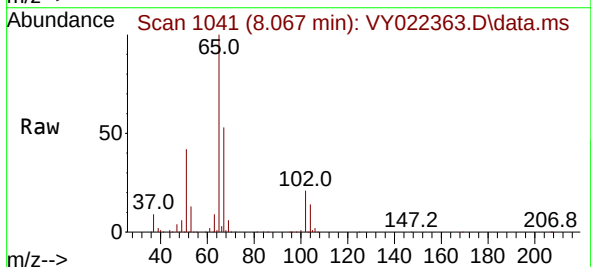
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-244

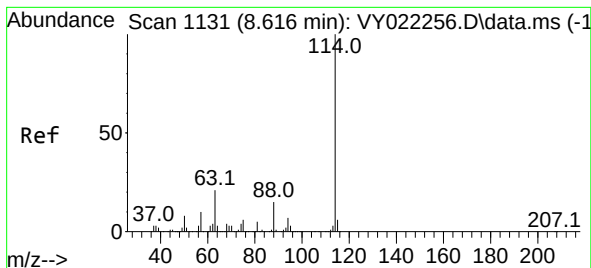
Tgt Ion:168 Resp: 247246
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 46.123 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022363.D
Acq: 21 May 2025 13:34

Tgt Ion: 65 Resp: 124632
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022363.D

Acq: 21 May 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-244

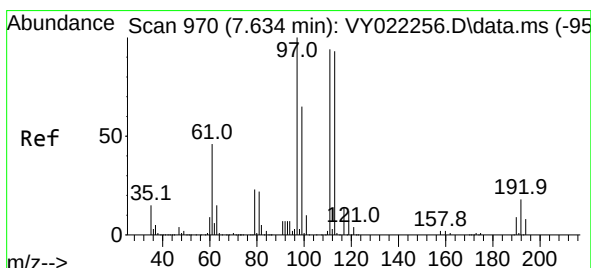
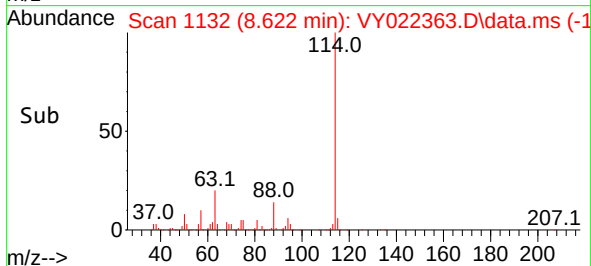
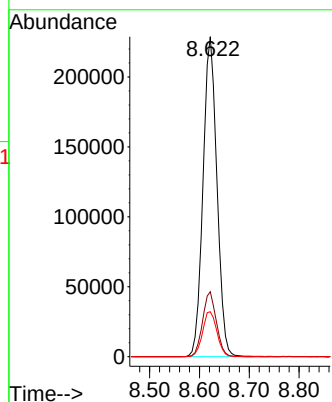
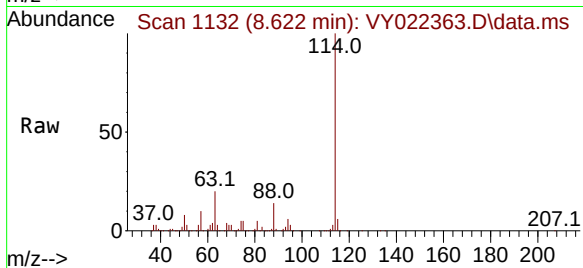
Tgt Ion:114 Resp: 442845

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.832 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022363.D

Acq: 21 May 2025 13:34

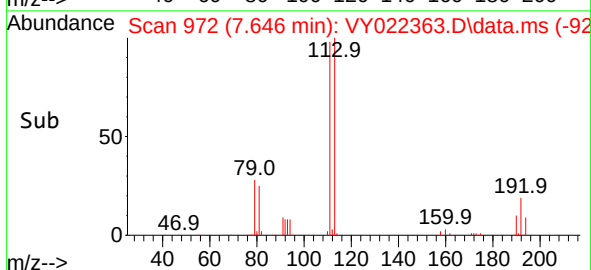
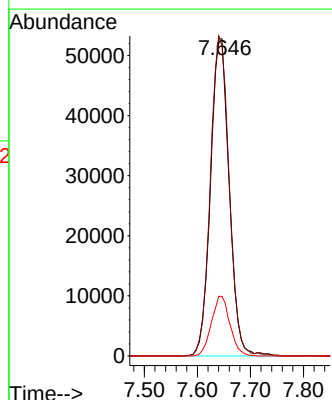
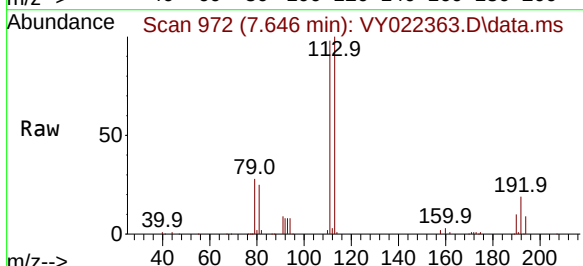
Tgt Ion:113 Resp: 129070

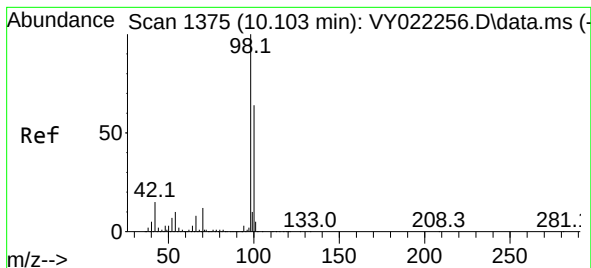
Ion Ratio Lower Upper

113 100

111 101.0 82.6 123.8

192 18.7 15.2 22.8





#50

Toluene-d8

Concen: 48.795 ug/l

RT: 10.115 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY022363.D

Acq: 21 May 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

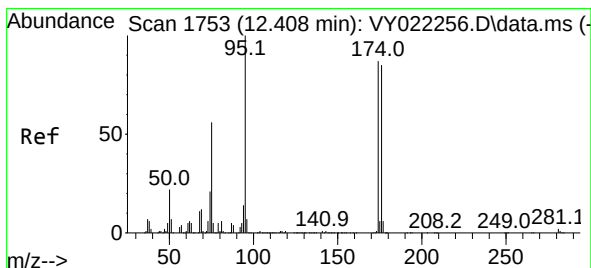
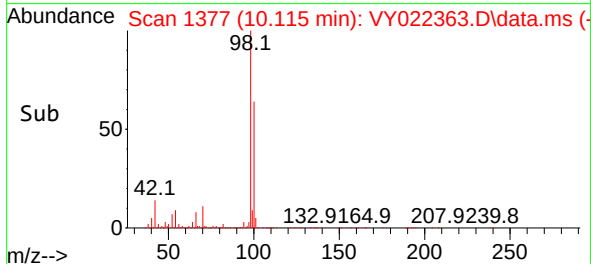
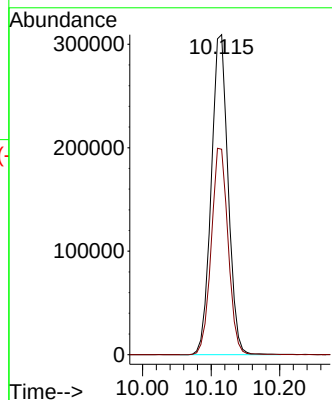
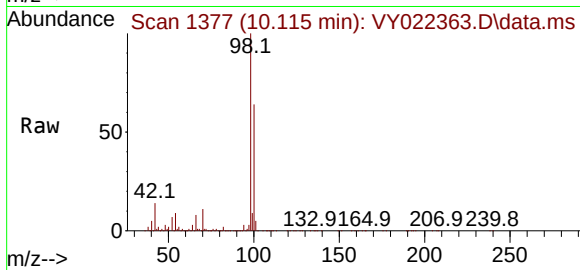
VNJ-244

Tgt Ion: 98 Resp: 528215

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 40.513 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022363.D

Acq: 21 May 2025 13:34

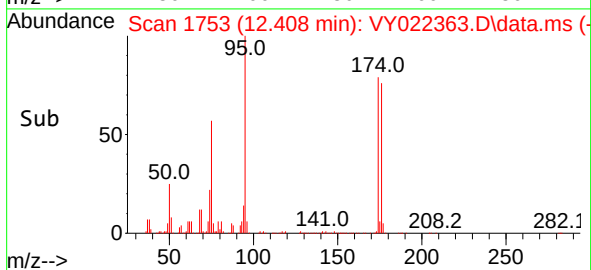
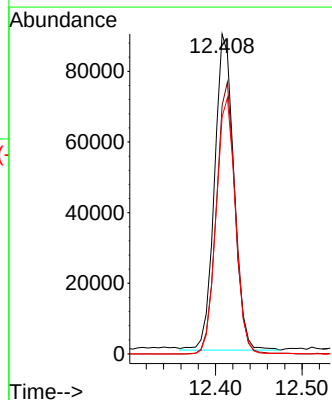
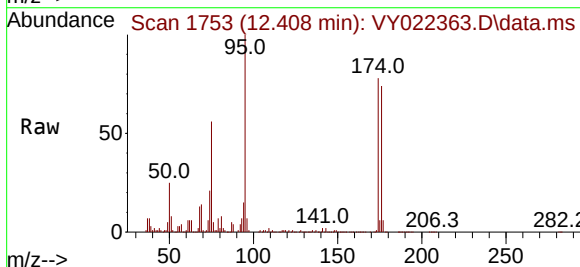
Tgt Ion: 95 Resp: 139008

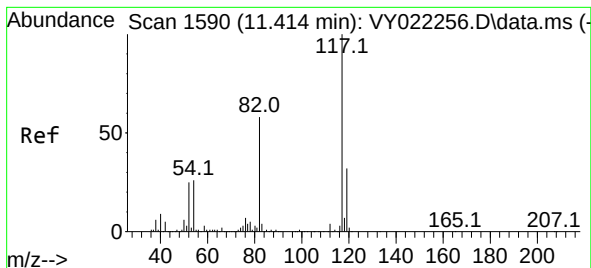
Ion Ratio Lower Upper

95 100

174 84.2 0.0 166.8

176 80.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022363.D

Acq: 21 May 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-244

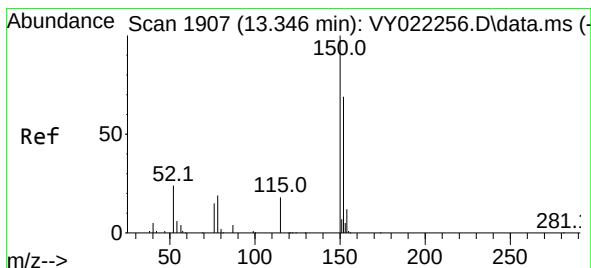
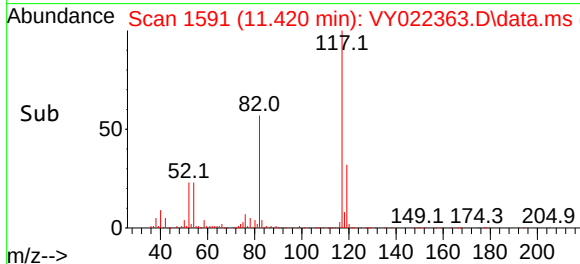
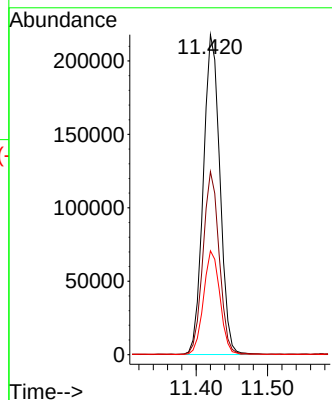
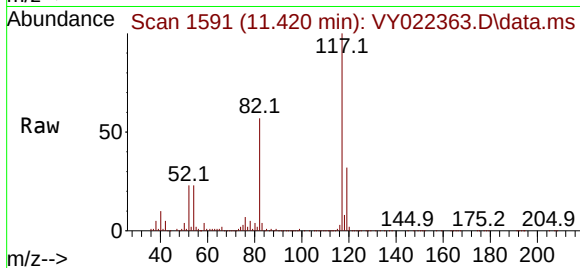
Tgt Ion:117 Resp: 351088

Ion Ratio Lower Upper

117 100

82 57.0 46.6 70.0

119 32.4 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022363.D

Acq: 21 May 2025 13:34

Tgt Ion:152 Resp: 132895

Ion Ratio Lower Upper

152 100

115 58.2 29.4 88.2

150 157.5 0.0 353.8

