

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022365.D
 Acq On : 21 May 2025 14:21
 Operator : SY/MD
 Sample : Q2097-11
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3419

Quant Time: May 22 00:10:21 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	7.719	168	253175	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	447571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	299153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	55622	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124252	44.906	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.820%
35) Dibromofluoromethane	7.646	113	129776	48.580	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.160%
50) Toluene-d8	10.109	98	502133	45.896	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.800%
62) 4-Bromofluorobenzene	12.408	95	91820	26.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	52.960%

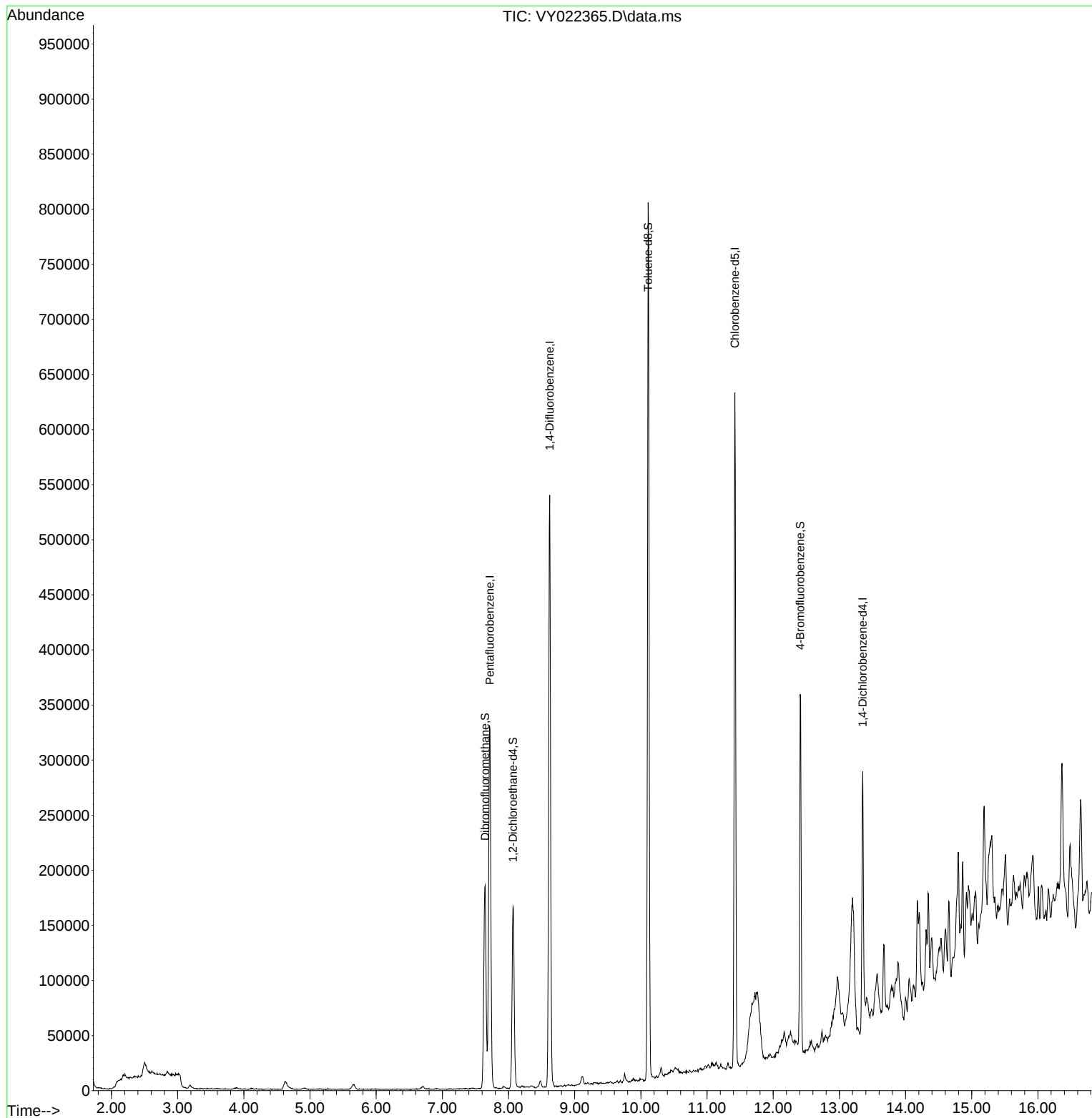
Target Compounds	Qvalue

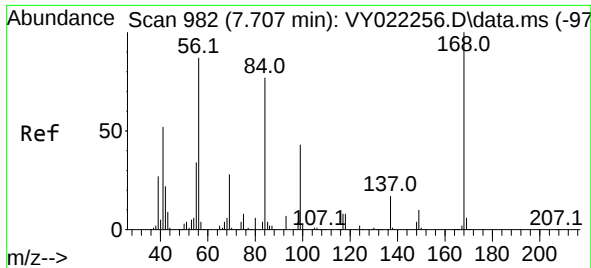
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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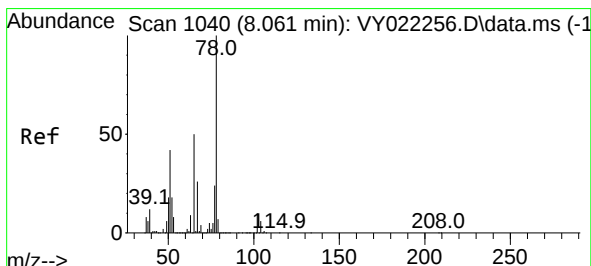
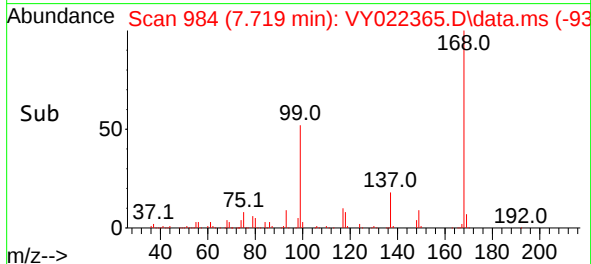
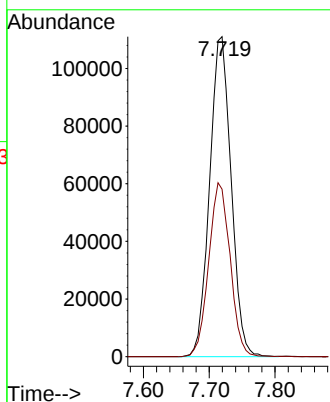
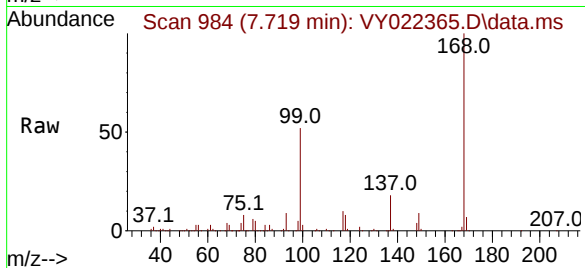




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

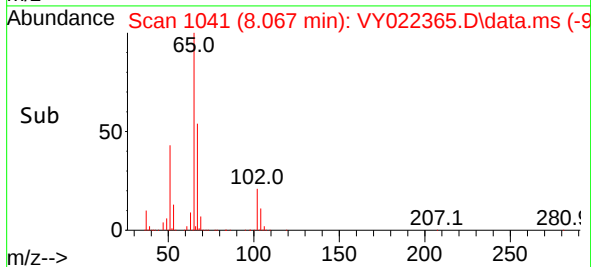
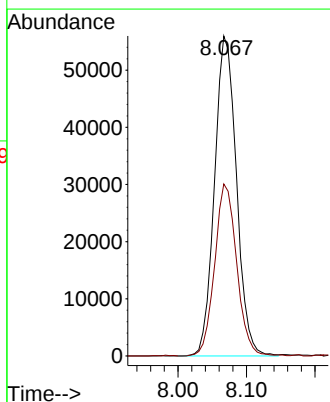
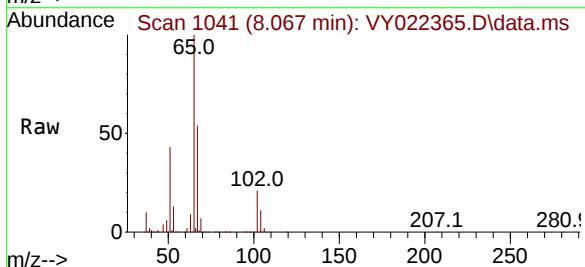
Instrument :
MSVOA_Y
ClientSampleId :
RT3419

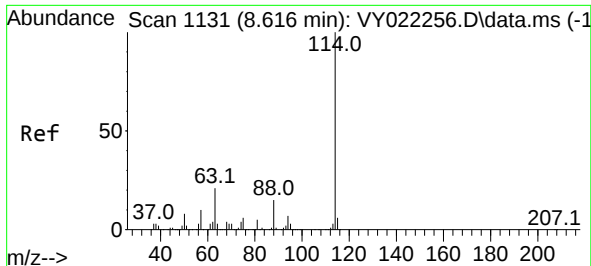
Tgt Ion:168 Resp: 253175
Ion Ratio Lower Upper
168 100
99 52.3 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 44.906 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

Tgt Ion: 65 Resp: 124252
Ion Ratio Lower Upper
65 100
67 54.0 0.0 104.6

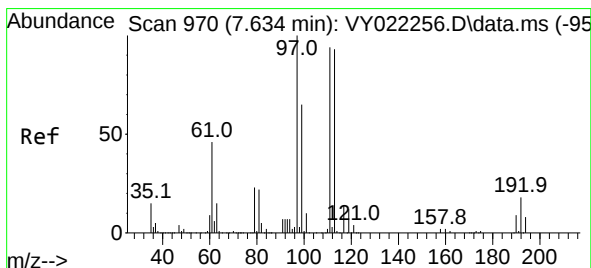
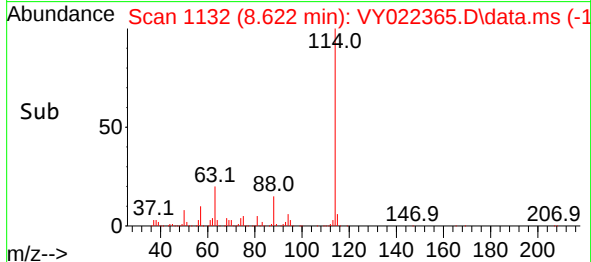
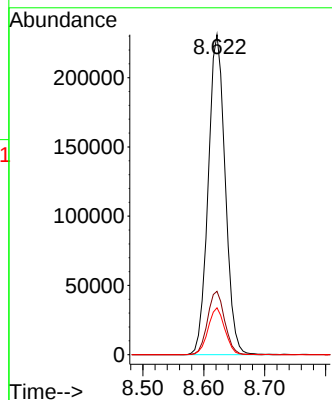
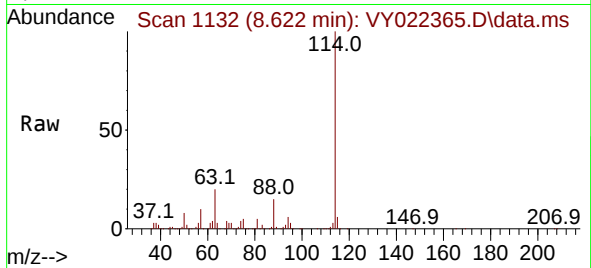




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

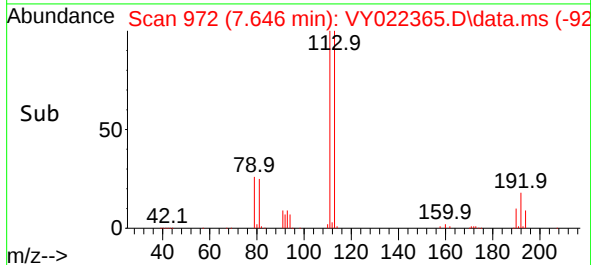
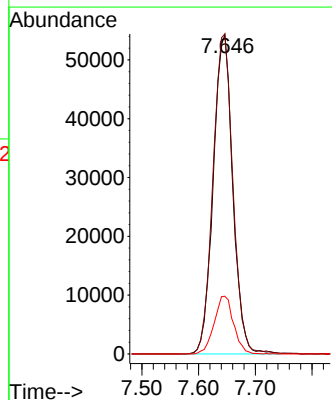
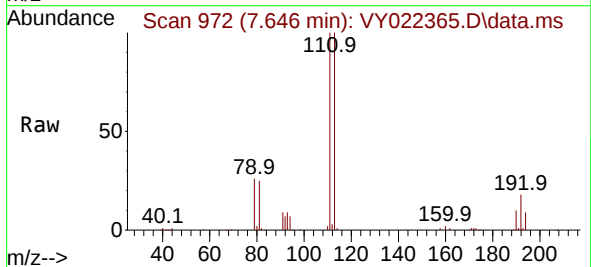
Instrument :
MSVOA_Y
ClientSampleId :
RT3419

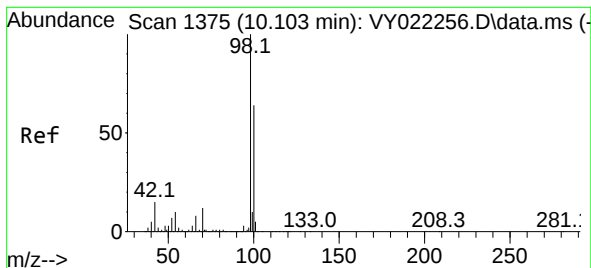
Tgt Ion:114 Resp: 447571
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.0
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.580 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

Tgt Ion:113 Resp: 129776
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 17.9 15.2 22.8

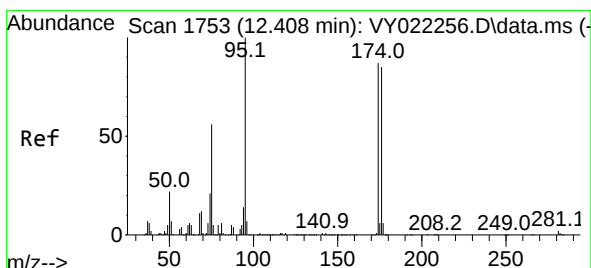
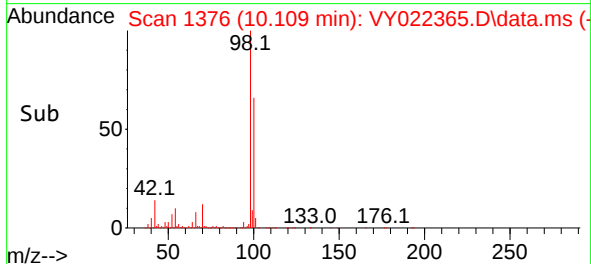
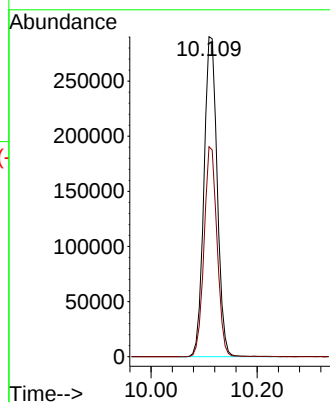
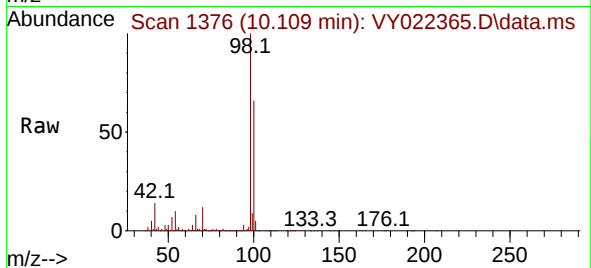




#50
Toluene-d8
Concen: 45.896 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

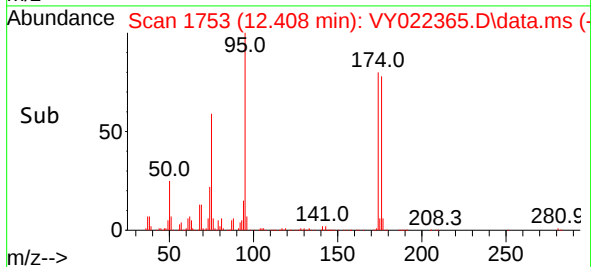
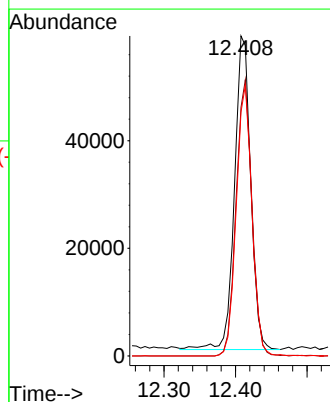
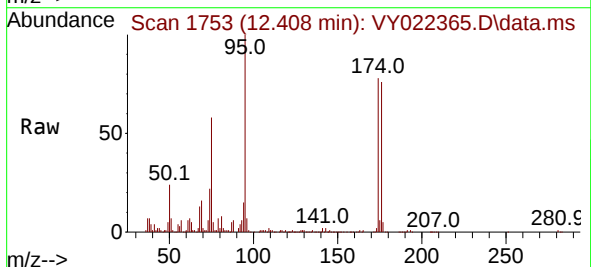
Instrument :
MSVOA_Y
ClientSampleId :
RT3419

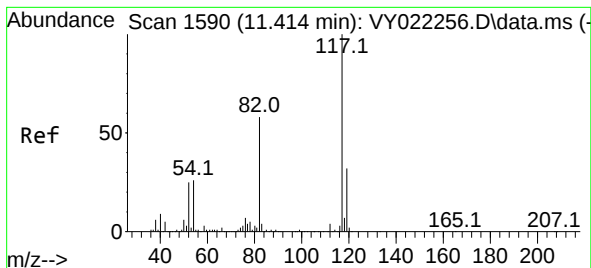
Tgt Ion: 98 Resp: 502133
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 26.478 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

Tgt Ion: 95 Resp: 91820
Ion Ratio Lower Upper
95 100
174 85.9 0.0 166.8
176 83.4 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: VY022365.D

Acq: 21 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

RT3419

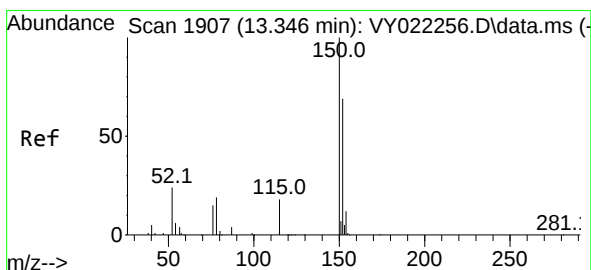
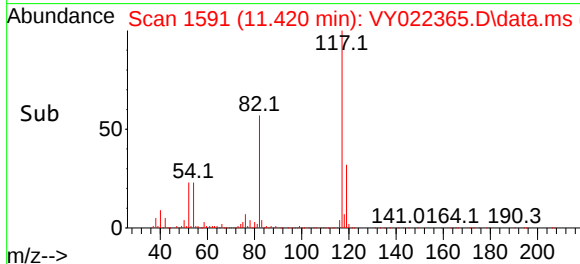
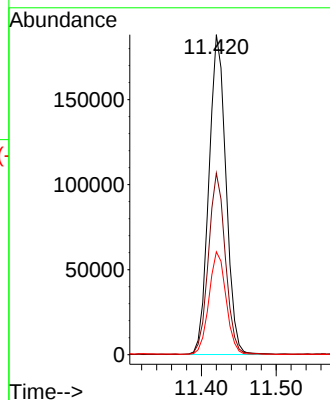
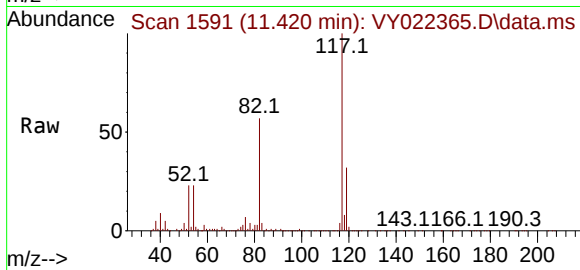
Tgt Ion:117 Resp: 299153

Ion Ratio Lower Upper

117 100

82 56.6 46.6 70.0

119 32.1 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: VY022365.D

Acq: 21 May 2025 14:21

Tgt Ion:152 Resp: 55622

Ion Ratio Lower Upper

152 100

115 56.2 29.4 88.2

150 153.4 0.0 353.8

