

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016796.D
 Acq On : 22 Dec 2023 07:42
 Operator : SY/MD
 Sample : 05877-22
 Misc : 2.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COM61

Quant Time: Dec 22 08:01:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.826	168	120932	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	242912	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	216715	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	74989	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	56108	50.823	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.640%
35) Dibromofluoromethane	7.752	113	60360	43.379	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.760%
50) Toluene-d8	10.209	98	215259	42.914	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.820%
62) 4-Bromofluorobenzene	12.508	95	66142	40.644	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.280%

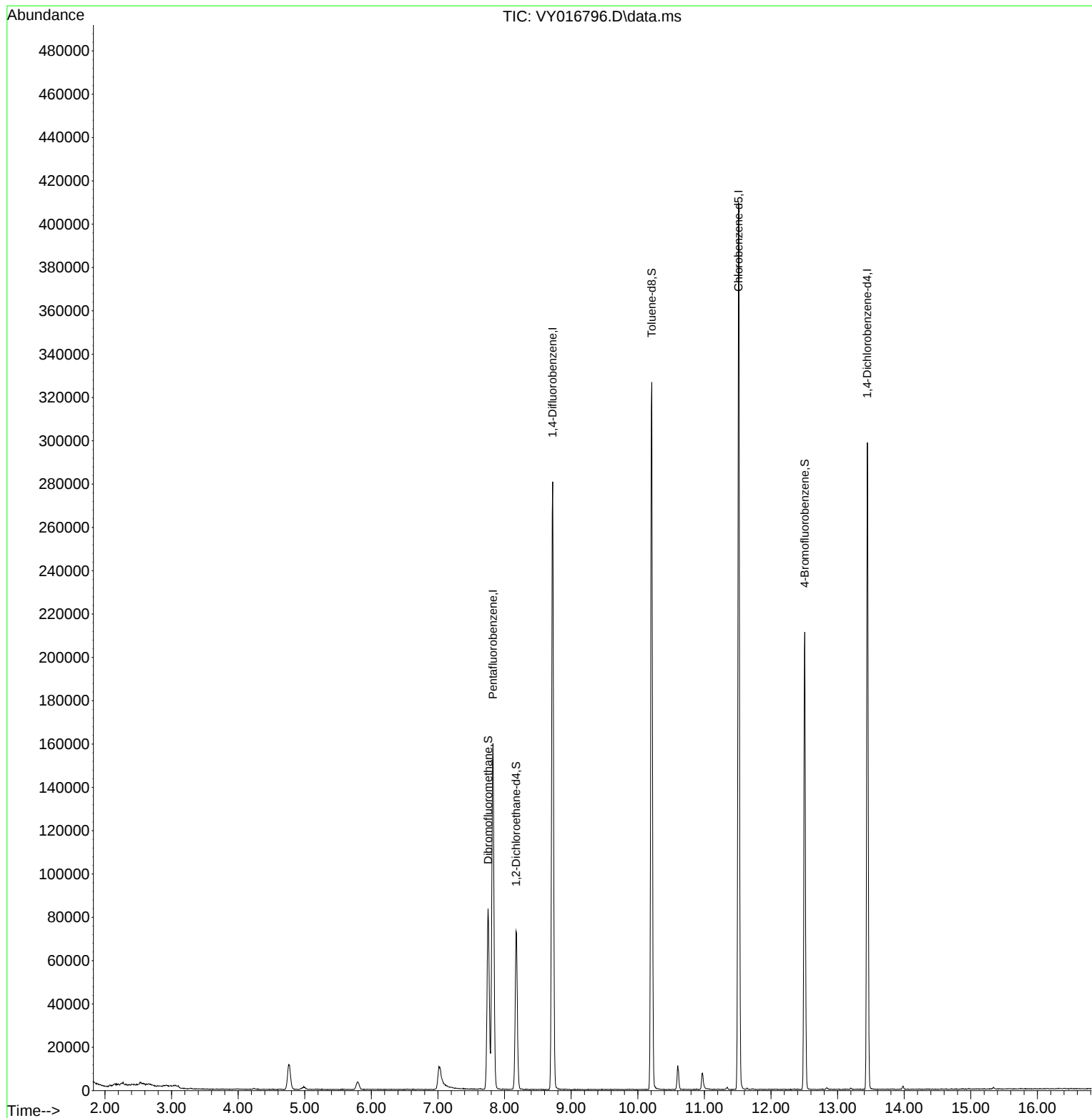
Target Compounds	Qvalue

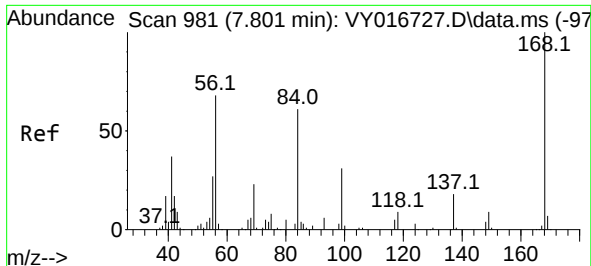
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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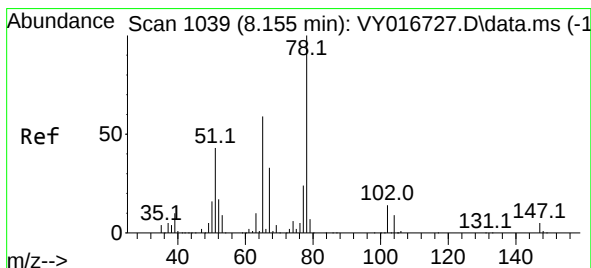
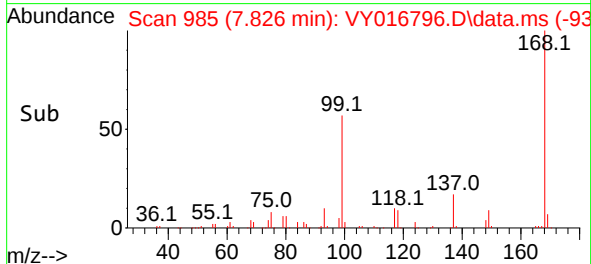
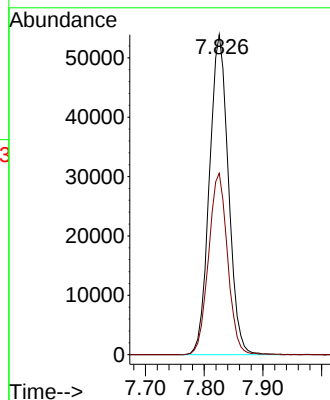
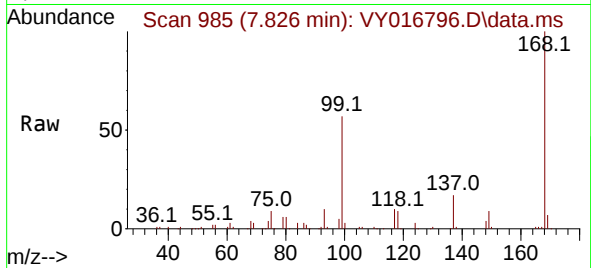




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016796.D
Acq: 22 Dec 2023 07:42

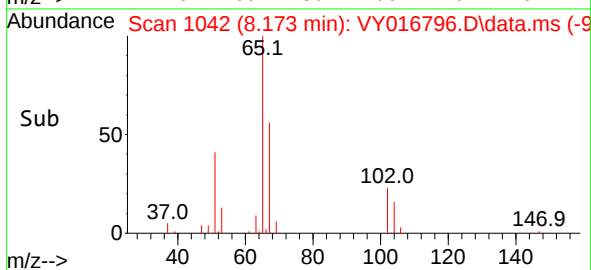
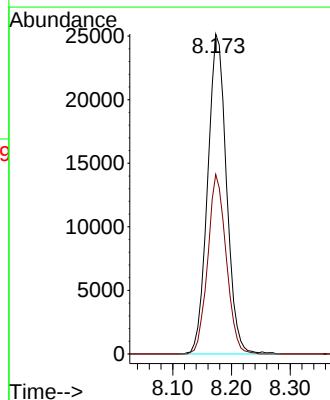
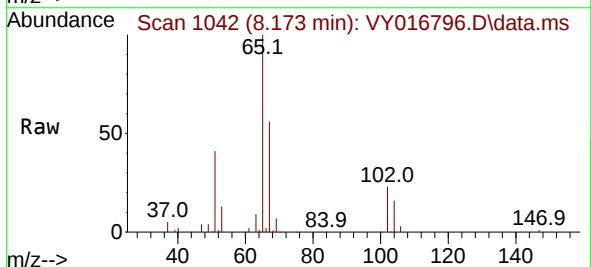
Instrument :
MSVOA_Y
ClientSampleId :
COM61

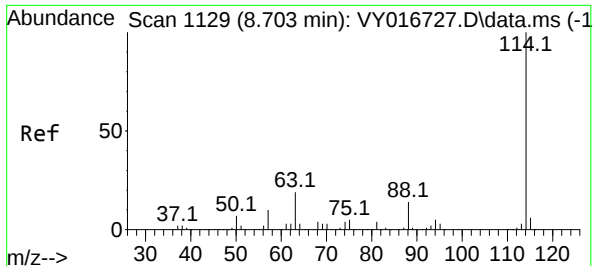
Tgt Ion:168 Resp: 120932
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 50.823 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.019 min
Lab File: VY016796.D
Acq: 22 Dec 2023 07:42

Tgt Ion: 65 Resp: 56108
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1129

Delta R.T. 0.019 min

Lab File: VY016796.D

Acq: 22 Dec 2023 07:42

Instrument :

MSVOA_Y

ClientSampleId :

COM61

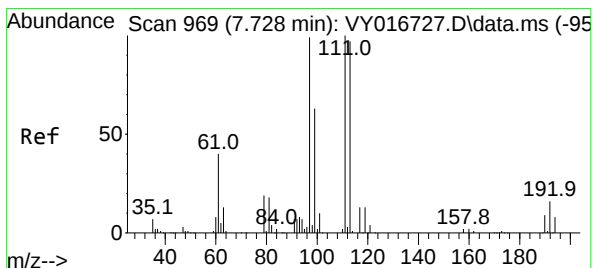
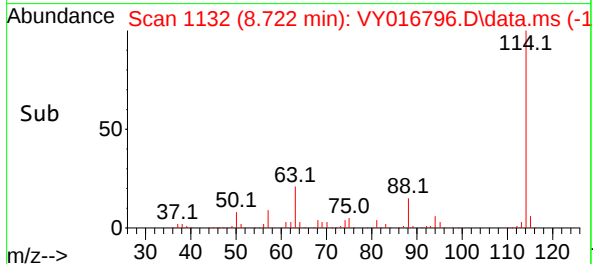
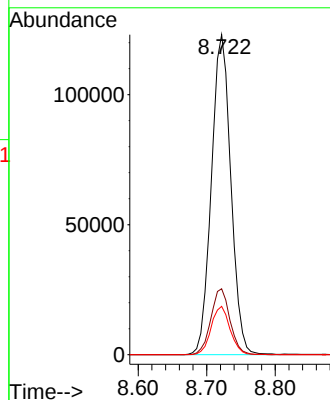
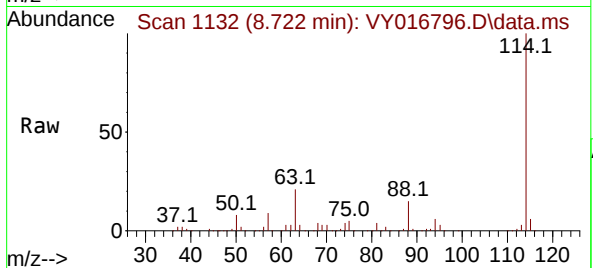
Tgt Ion:114 Resp: 242912

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 43.379 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.025 min

Lab File: VY016796.D

Acq: 22 Dec 2023 07:42

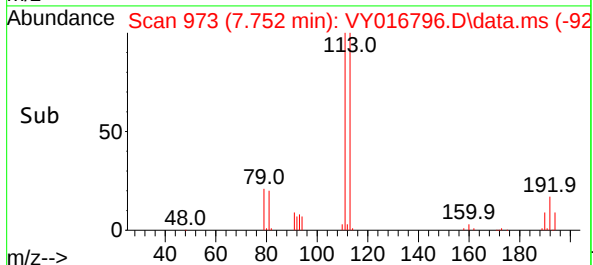
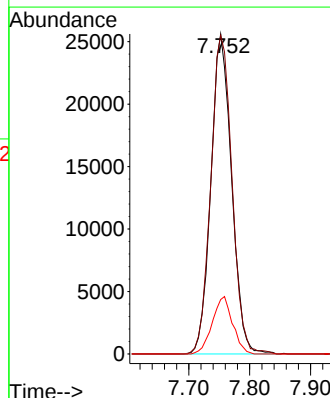
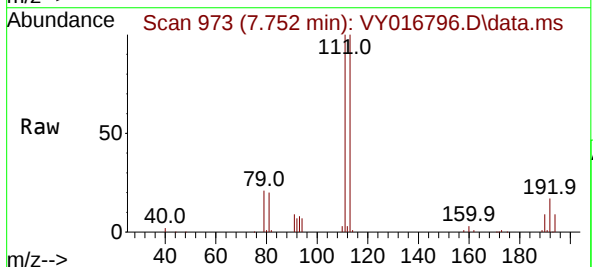
Tgt Ion:113 Resp: 60360

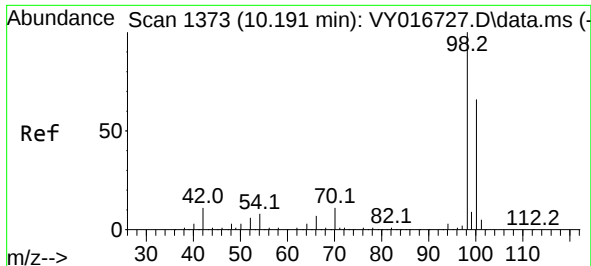
Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 17.6 14.5 21.7

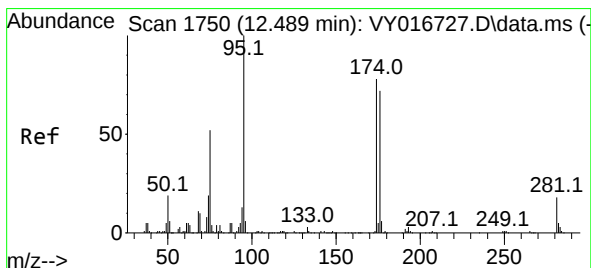
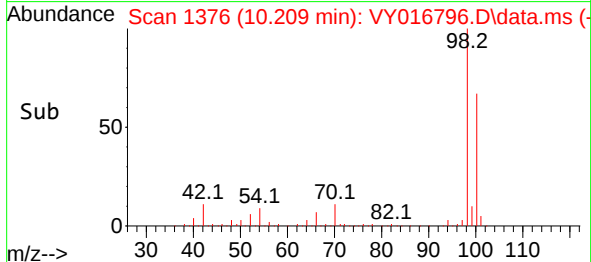
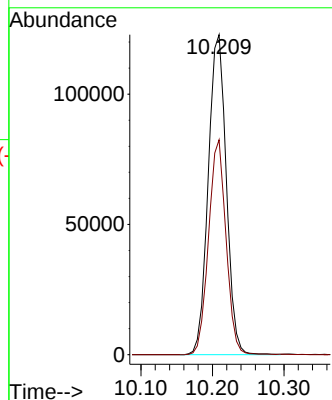
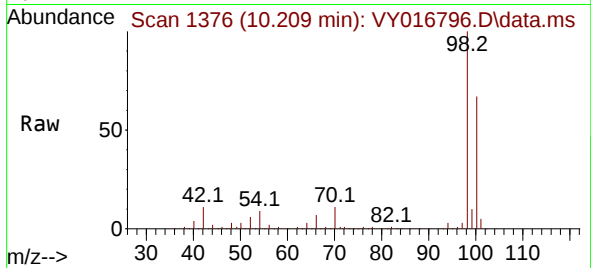




#50
Toluene-d8
Concen: 42.914 ug/l
RT: 10.209 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY016796.D
Acq: 22 Dec 2023 07:42

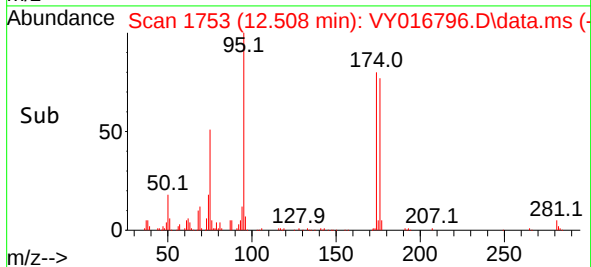
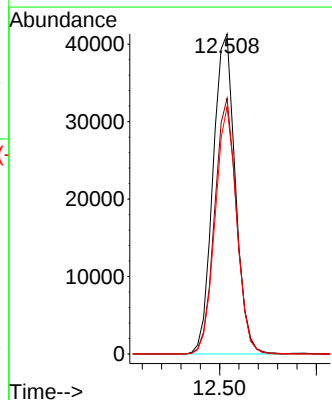
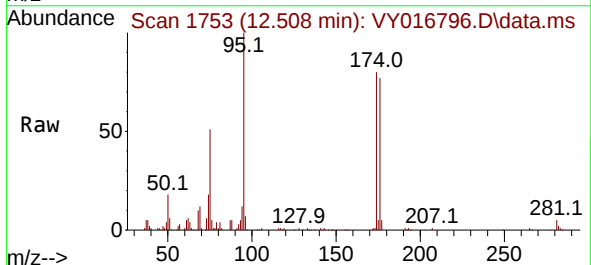
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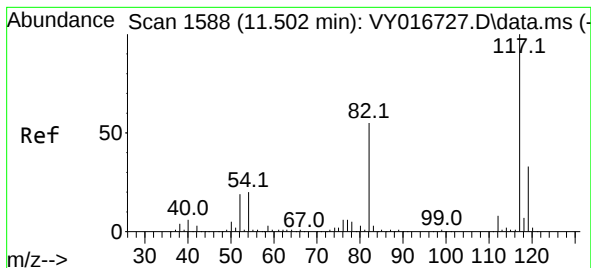
Tgt Ion: 98 Resp: 215259
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 40.644 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.019 min
Lab File: VY016796.D
Acq: 22 Dec 2023 07:42

Tgt Ion: 95 Resp: 66142
Ion Ratio Lower Upper
95 100
174 78.6 0.0 160.0
176 74.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016796.D

Acq: 22 Dec 2023 07:42

Instrument :

MSVOA_Y

ClientSampleId :

COM61

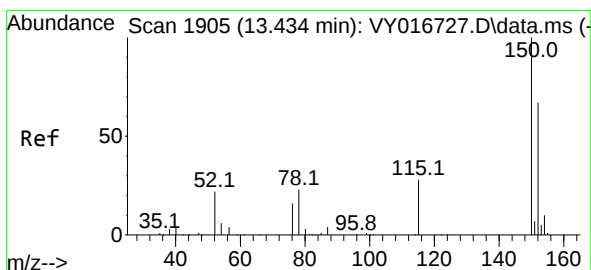
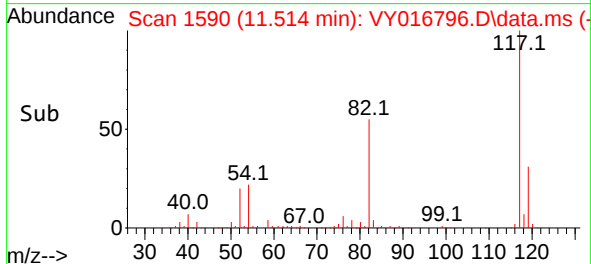
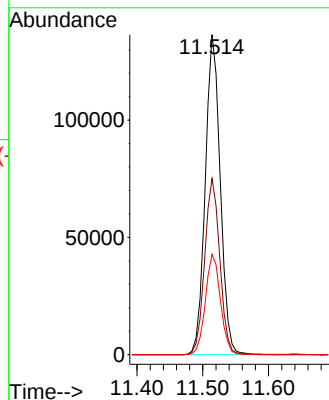
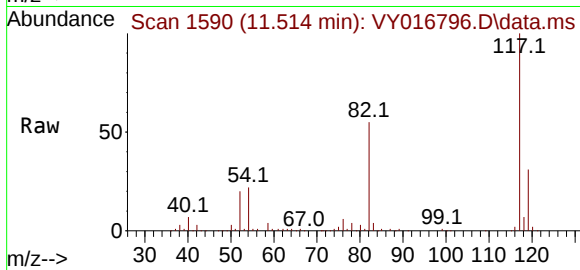
Tgt Ion:117 Resp: 216715

Ion Ratio Lower Upper

117 100

82 55.1 43.8 65.8

119 31.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016796.D

Acq: 22 Dec 2023 07:42

Tgt Ion:152 Resp: 74989

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 157.0 0.0 344.6

