

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016785.D
 Acq On : 22 Dec 2023 03:25
 Operator : SY/MD
 Sample : 05876-13
 Misc : 4.26g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLX8

Quant Time: Dec 22 06:41:01 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	7.825	168	120154	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	245847	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	222853	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	81042	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	54393	49.589	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.180%
35) Dibromofluoromethane	7.752	113	61151	43.423	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.840%
50) Toluene-d8	10.209	98	221413	43.614	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.220%
62) 4-Bromofluorobenzene	12.508	95	67799	41.165	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.320%

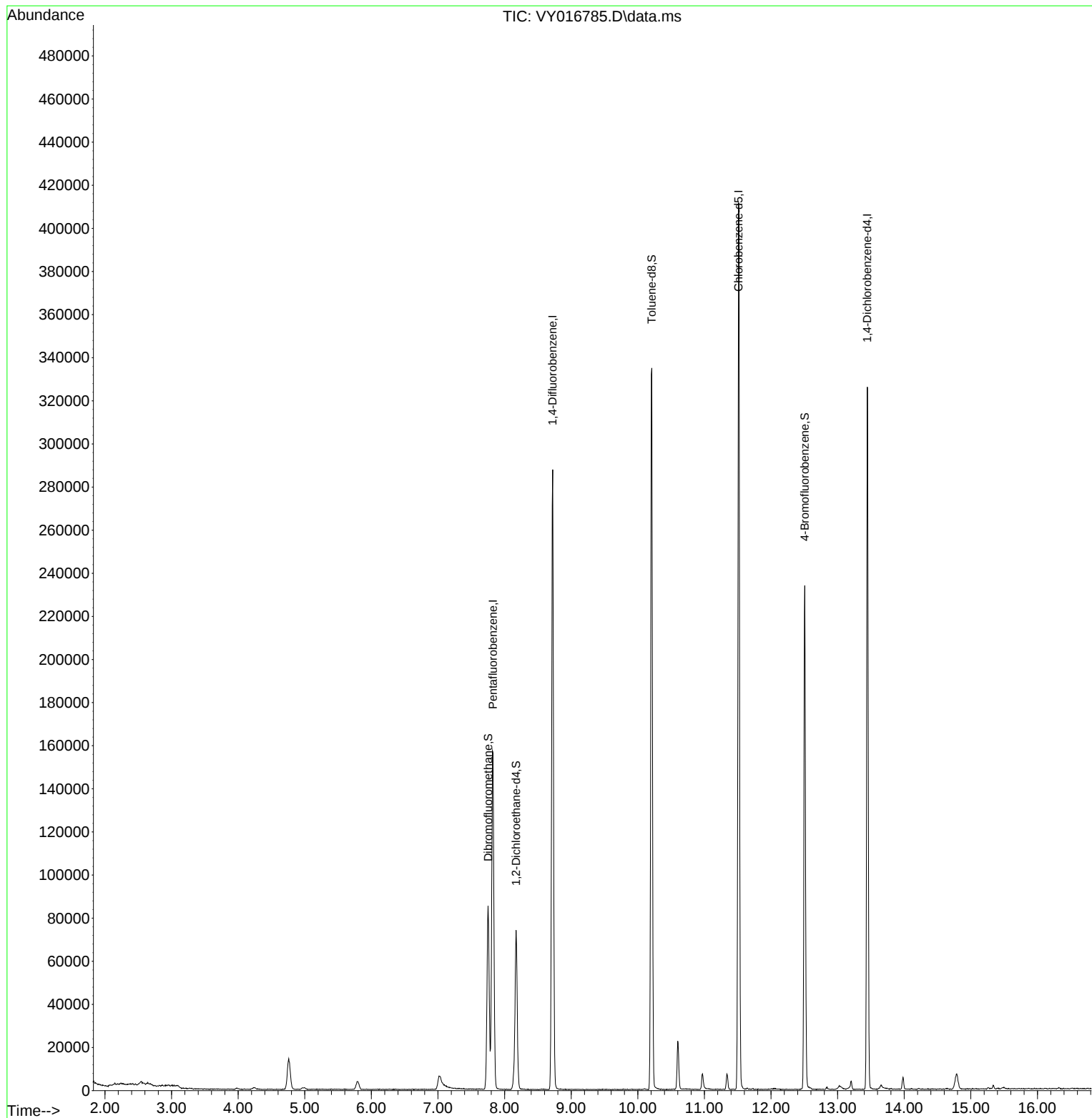
Target Compounds	Qvalue

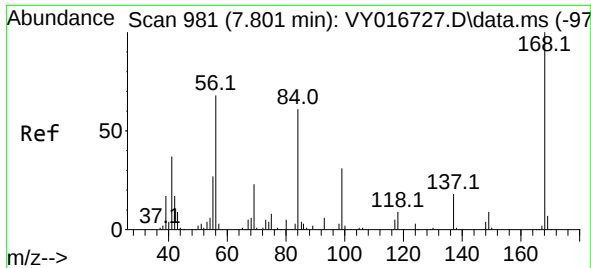
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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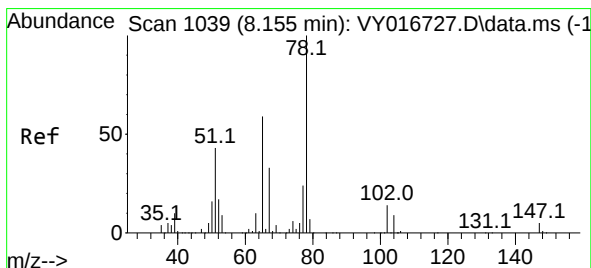
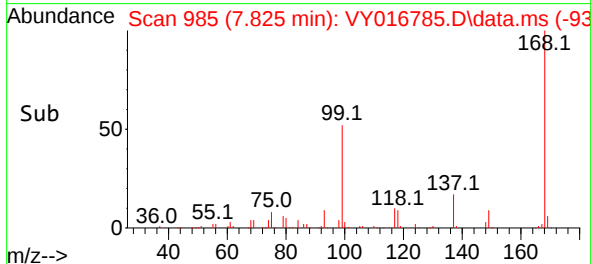
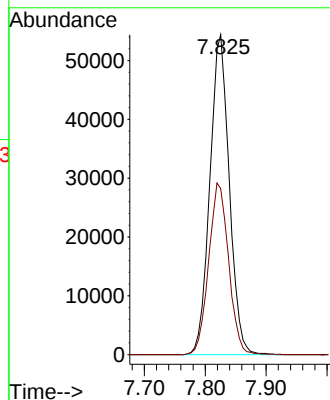
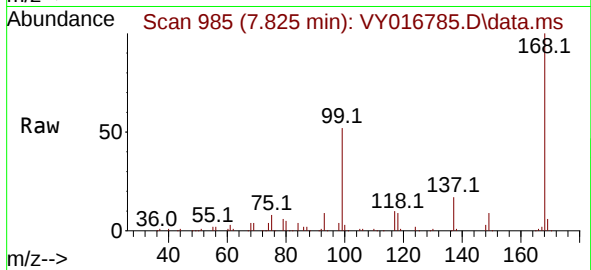




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY016785.D
Acq: 22 Dec 2023 03:25

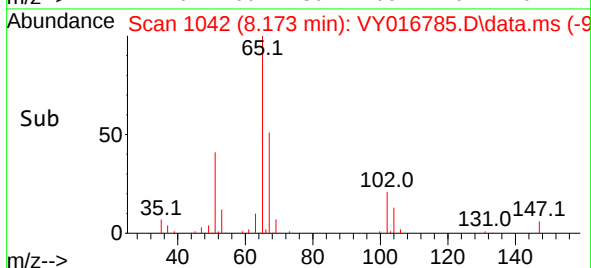
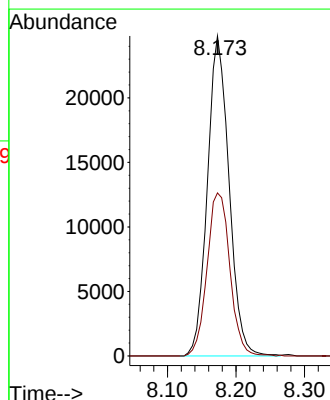
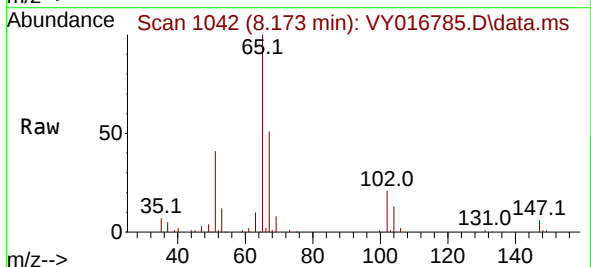
Instrument :
MSVOA_Y
ClientSampleId :
COLX8

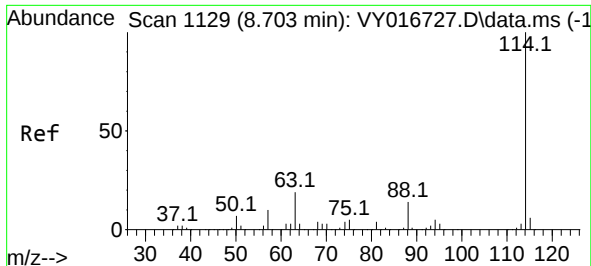
Tgt Ion:168 Resp: 120154
Ion Ratio Lower Upper
168 100
99 51.9 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 49.589 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY016785.D
Acq: 22 Dec 2023 03:25

Tgt Ion: 65 Resp: 54393
Ion Ratio Lower Upper
65 100
67 53.8 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: VY016785.D

Acq: 22 Dec 2023 03:25

Instrument :

MSVOA_Y

ClientSampleId :

COLX8

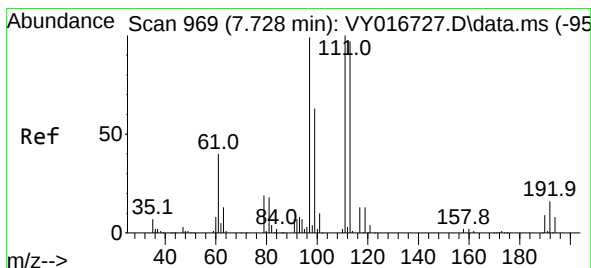
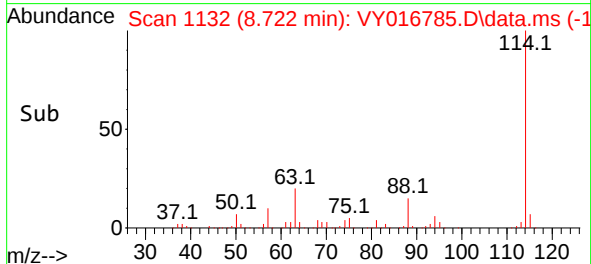
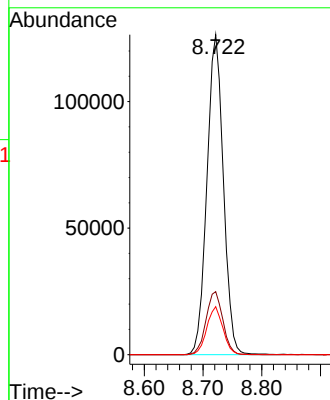
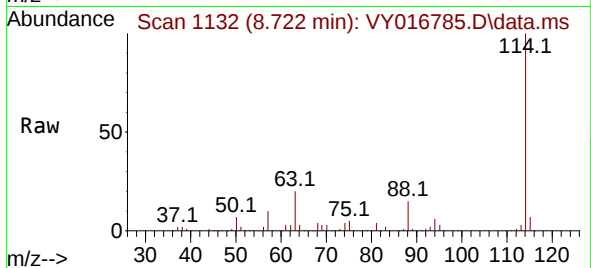
Tgt Ion:114 Resp: 245847

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 43.423 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.025 min

Lab File: VY016785.D

Acq: 22 Dec 2023 03:25

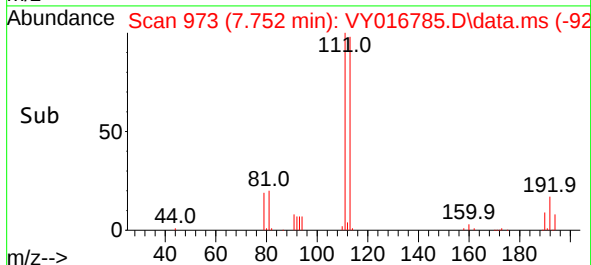
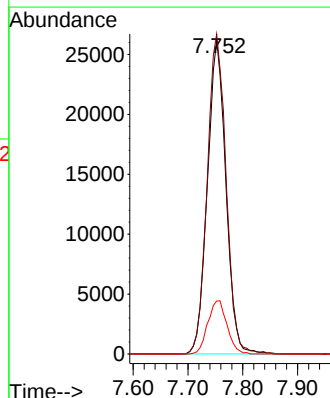
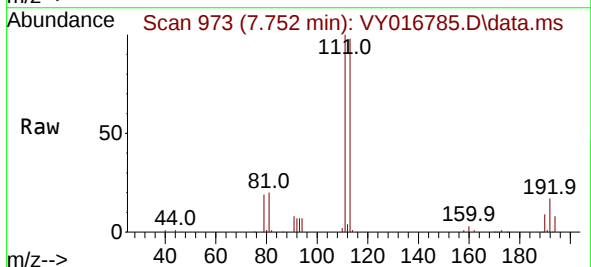
Tgt Ion:113 Resp: 61151

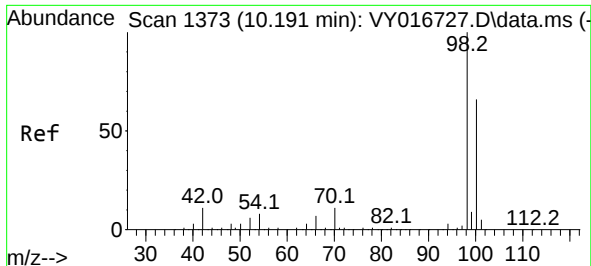
Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 17.6 14.5 21.7

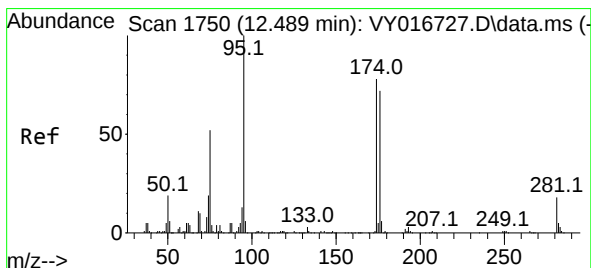
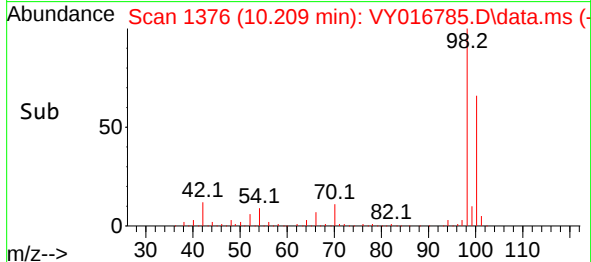
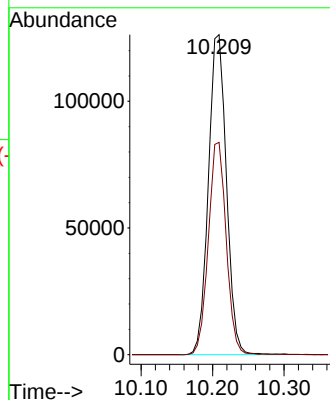
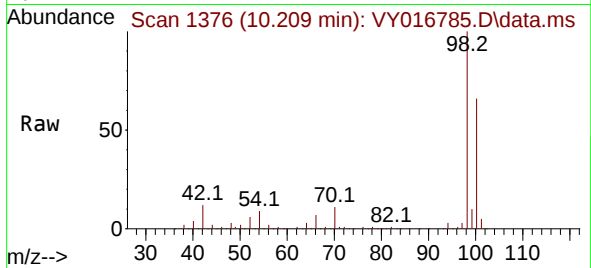




#50
Toluene-d8
Concen: 43.614 ug/l
RT: 10.209 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY016785.D
Acq: 22 Dec 2023 03:25

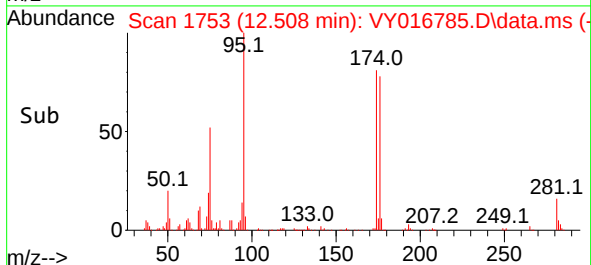
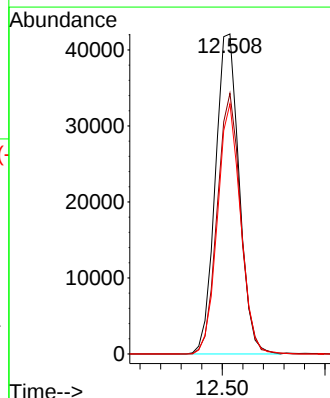
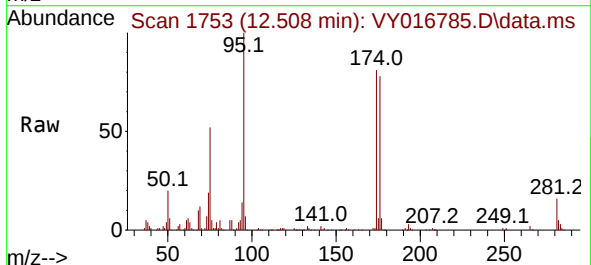
Instrument :
MSVOA_Y
ClientSampleId :
COLX8

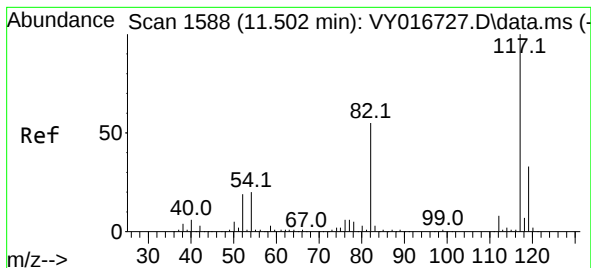
Tgt Ion: 98 Resp: 221413
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 41.165 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.018 min
Lab File: VY016785.D
Acq: 22 Dec 2023 03:25

Tgt Ion: 95 Resp: 67799
Ion Ratio Lower Upper
95 100
174 79.4 0.0 160.0
176 75.8 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: VY016785.D

Acq: 22 Dec 2023 03:25

Instrument :

MSVOA_Y

ClientSampleId :

COLX8

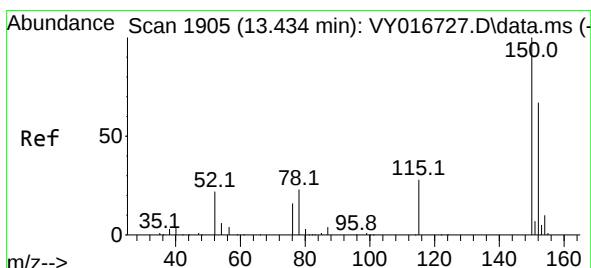
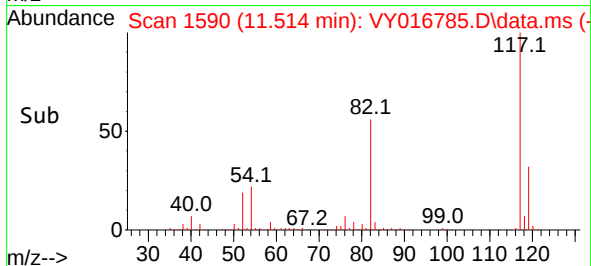
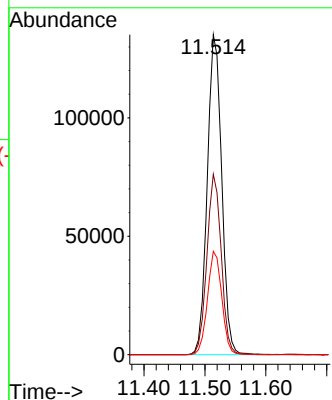
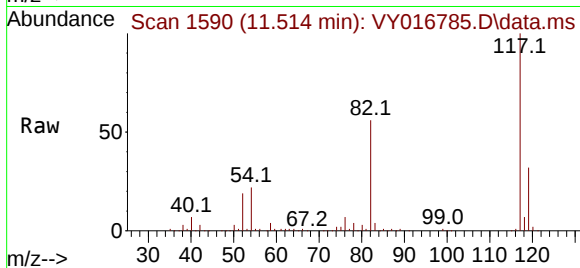
Tgt Ion:117 Resp: 222853

Ion Ratio Lower Upper

117 100

82 56.4 43.8 65.8

119 32.3 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016785.D

Acq: 22 Dec 2023 03:25

Tgt Ion:152 Resp: 81042

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

150 156.1 0.0 344.6

