

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112823\
 Data File : VY016515.D
 Acq On : 28 Nov 2023 13:03
 Operator : SY/MD
 Sample : 05553-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-112723

Quant Time: Nov 29 03:07:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	108002	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	184981	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	176335	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	77729	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	59452	60.229	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.460%
35) Dibromofluoromethane	7.746	113	58698	55.860	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.720%
50) Toluene-d8	10.203	98	214388	50.311	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.620%
62) 4-Bromofluorobenzene	12.502	95	72633	52.481	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.960%

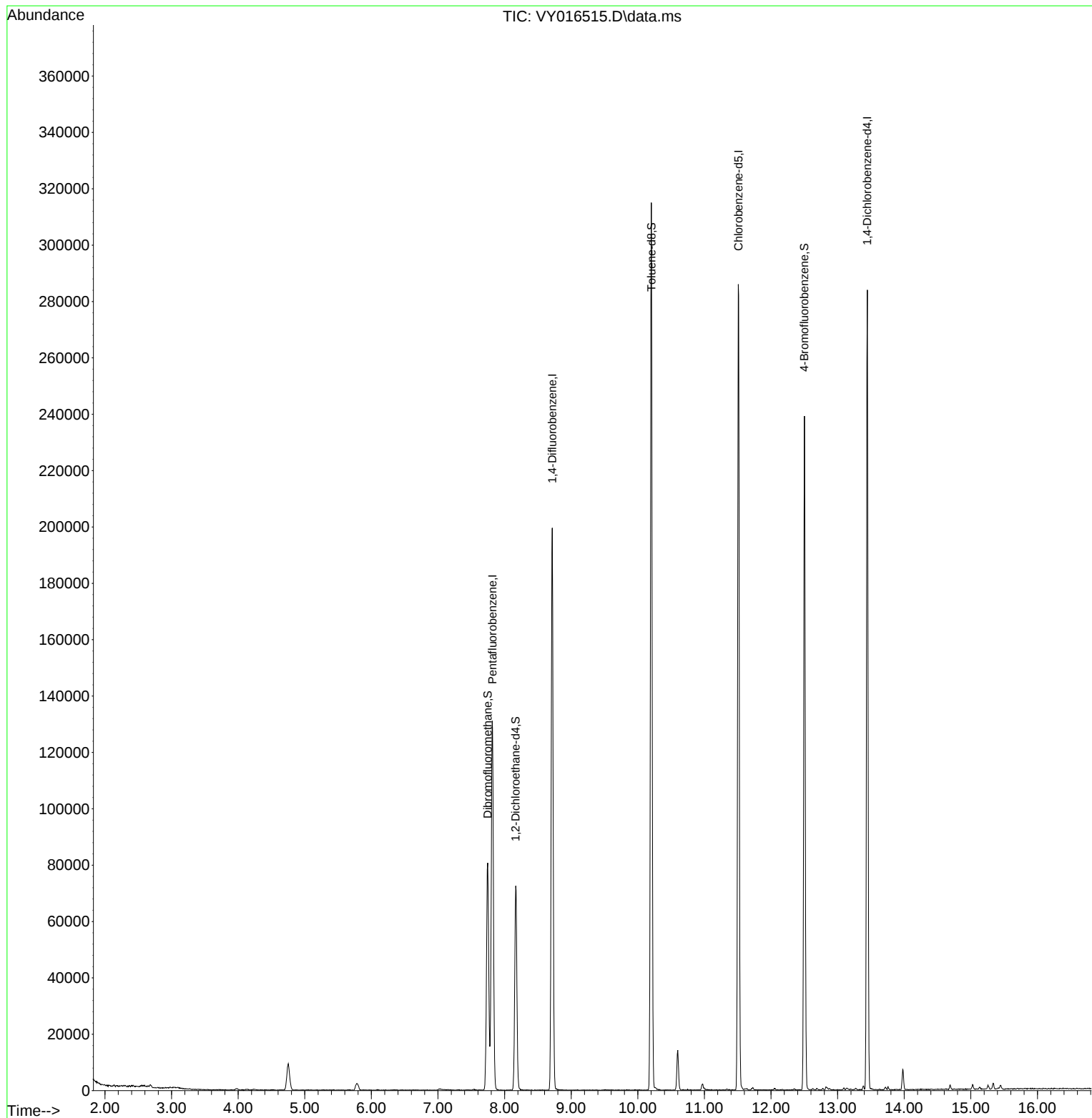
Target Compounds	Qvalue

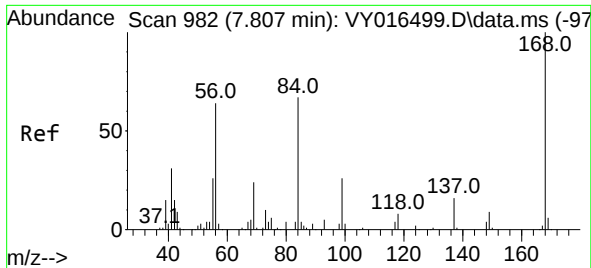
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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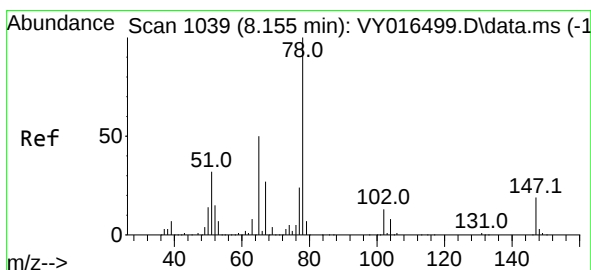
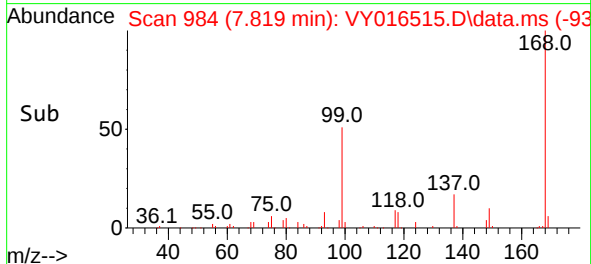
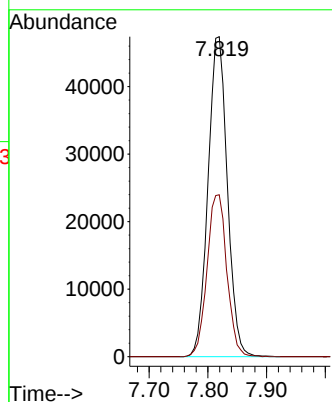
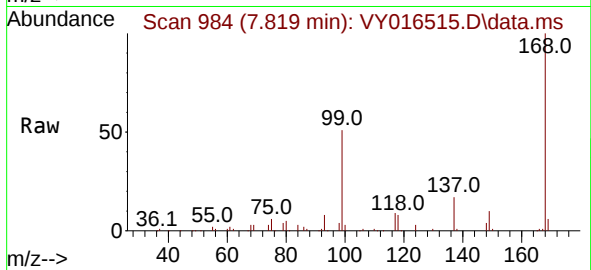




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016515.D
Acq: 28 Nov 2023 13:03

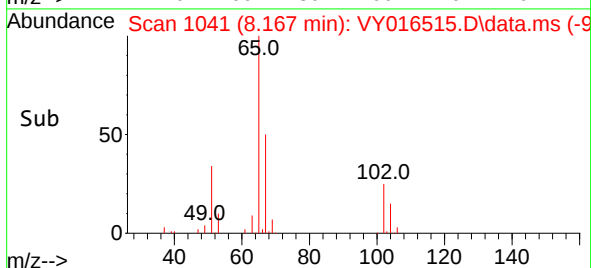
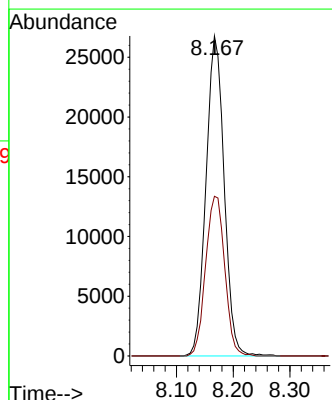
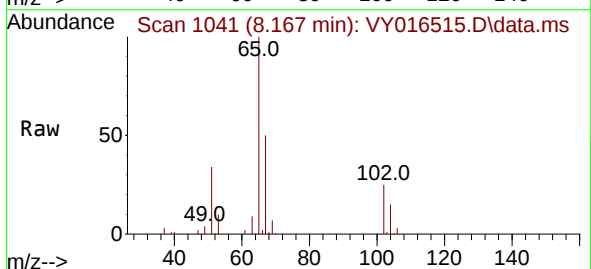
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-112723

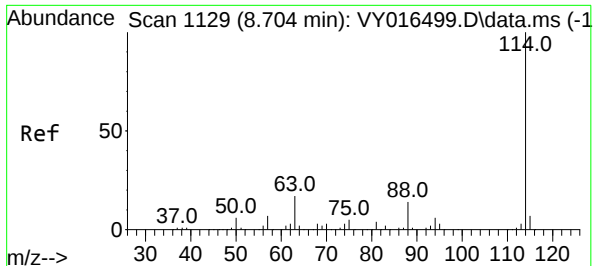
Tgt Ion:168 Resp: 108002
Ion Ratio Lower Upper
168 100
99 50.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 60.229 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY016515.D
Acq: 28 Nov 2023 13:03

Tgt Ion: 65 Resp: 59452
Ion Ratio Lower Upper
65 100
67 52.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY016515.D

Acq: 28 Nov 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-112723

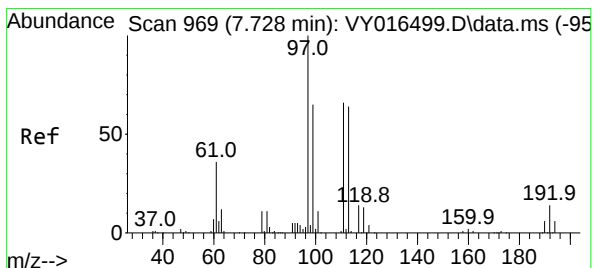
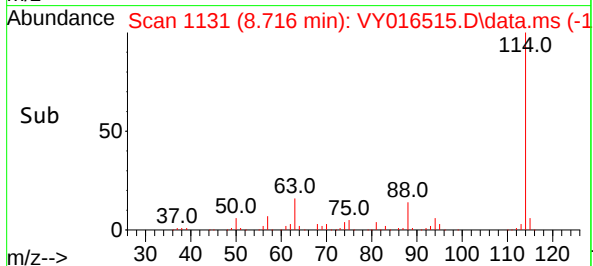
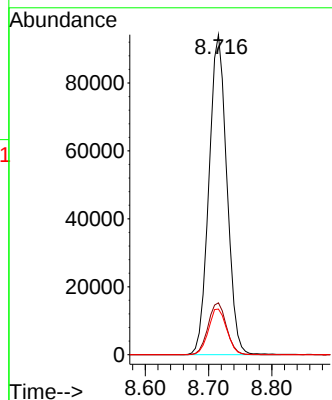
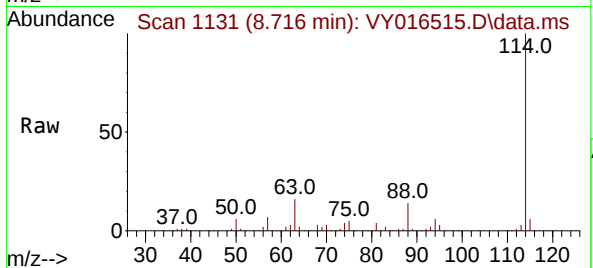
Tgt Ion:114 Resp: 184981

Ion Ratio Lower Upper

114 100

63 16.2 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.860 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY016515.D

Acq: 28 Nov 2023 13:03

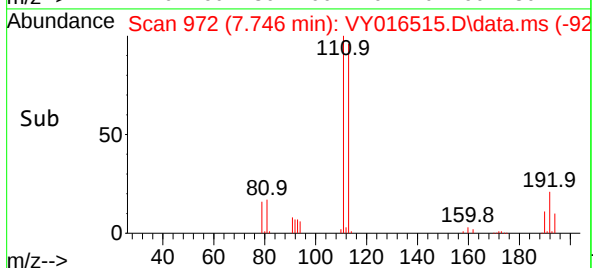
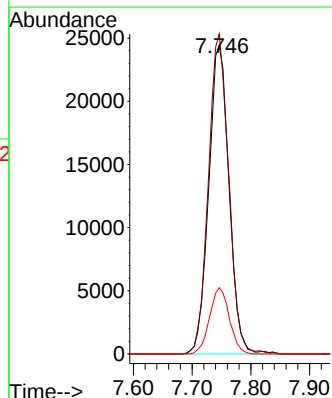
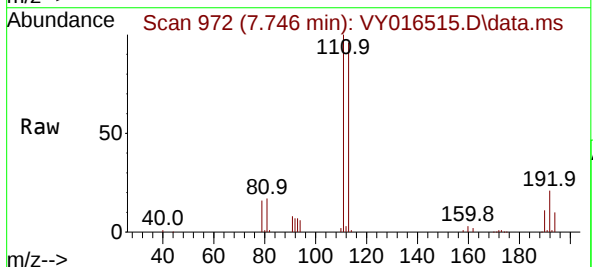
Tgt Ion:113 Resp: 58698

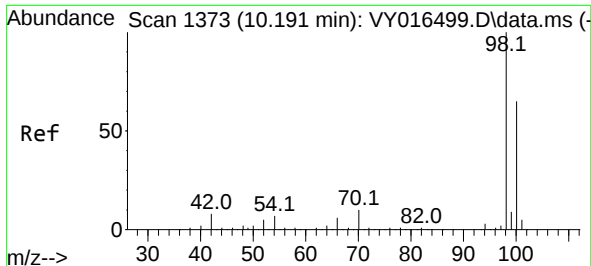
Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

192 20.8 16.9 25.3

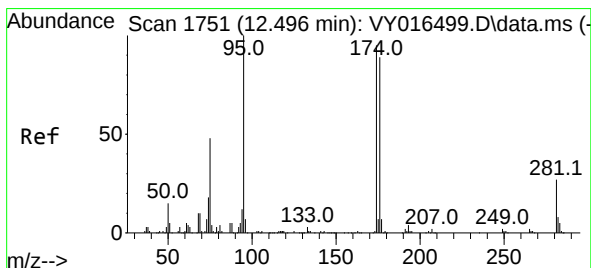
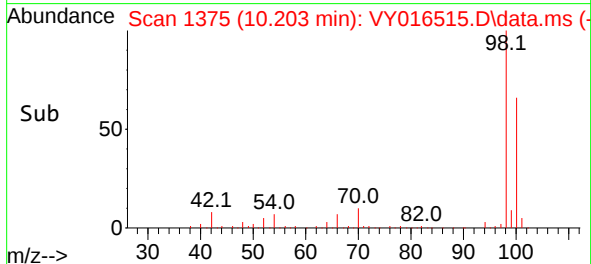
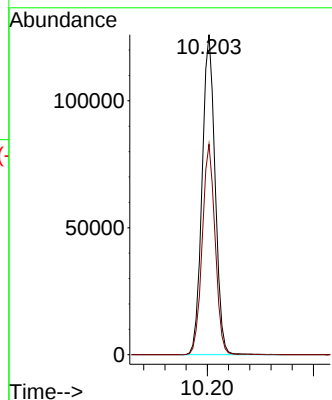
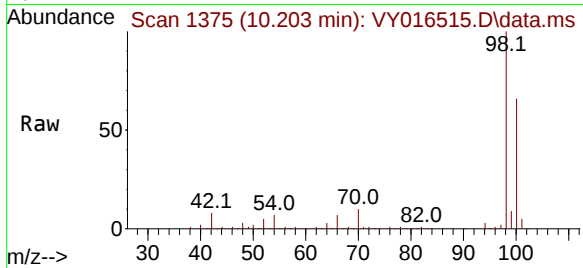




#50
Toluene-d8
Concen: 50.311 ug/l
RT: 10.203 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016515.D
Acq: 28 Nov 2023 13:03

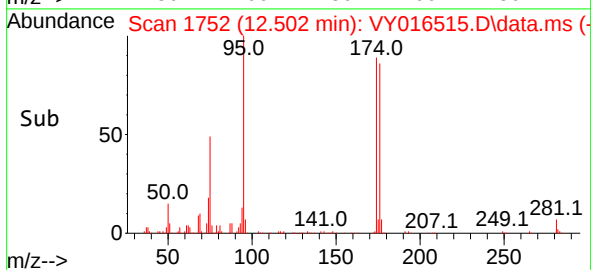
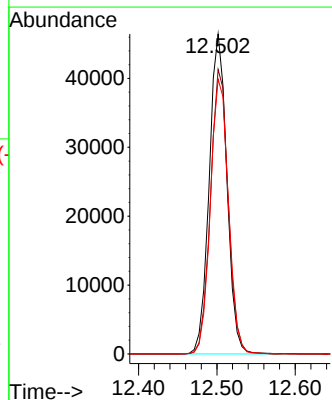
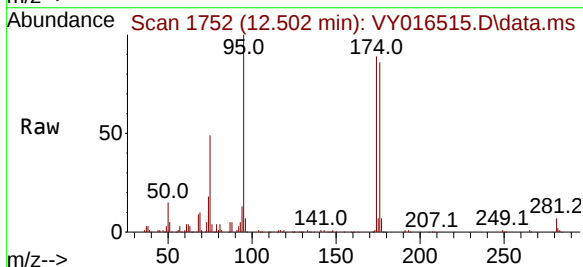
Instrument :
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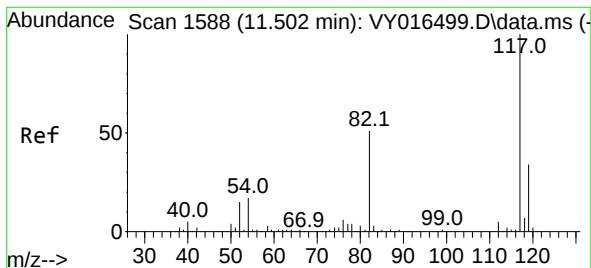
Tgt Ion: 98 Resp: 214388
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.481 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016515.D
Acq: 28 Nov 2023 13:03

Tgt Ion: 95 Resp: 72633
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.2
176 87.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016515.D

Acq: 28 Nov 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-112723

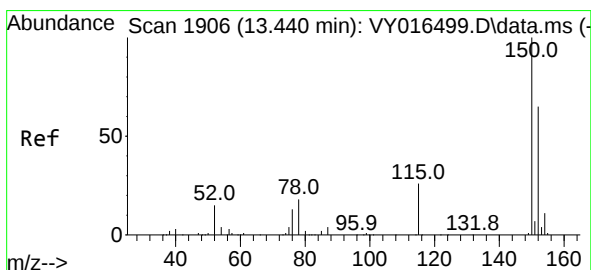
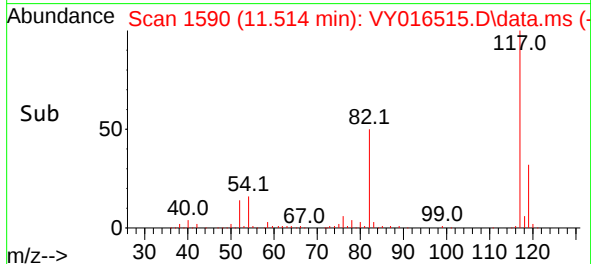
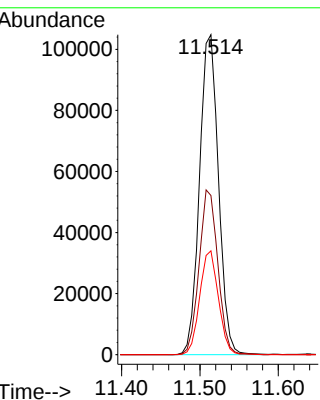
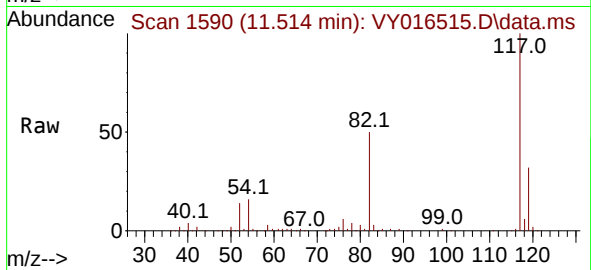
Tgt Ion:117 Resp: 176335

Ion Ratio Lower Upper

117 100

82 49.8 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016515.D

Acq: 28 Nov 2023 13:03

Tgt Ion:152 Resp: 77729

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 159.2 0.0 348.8

