

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
 Data File : VY020486.D
 Acq On : 02 Dec 2024 15:34
 Operator : SY/MD
 Sample : P5046-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-11272024

Quant Time: Dec 02 21:57:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 02 14:47:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	15239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	23447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	15711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	3154	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	6029	38.901	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.800%
35) Dibromofluoromethane	7.646	113	7031	47.632	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.260%
50) Toluene-d8	10.115	98	24970	44.425	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.840%
62) 4-Bromofluorobenzene	12.414	95	5355	27.240	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	54.480%

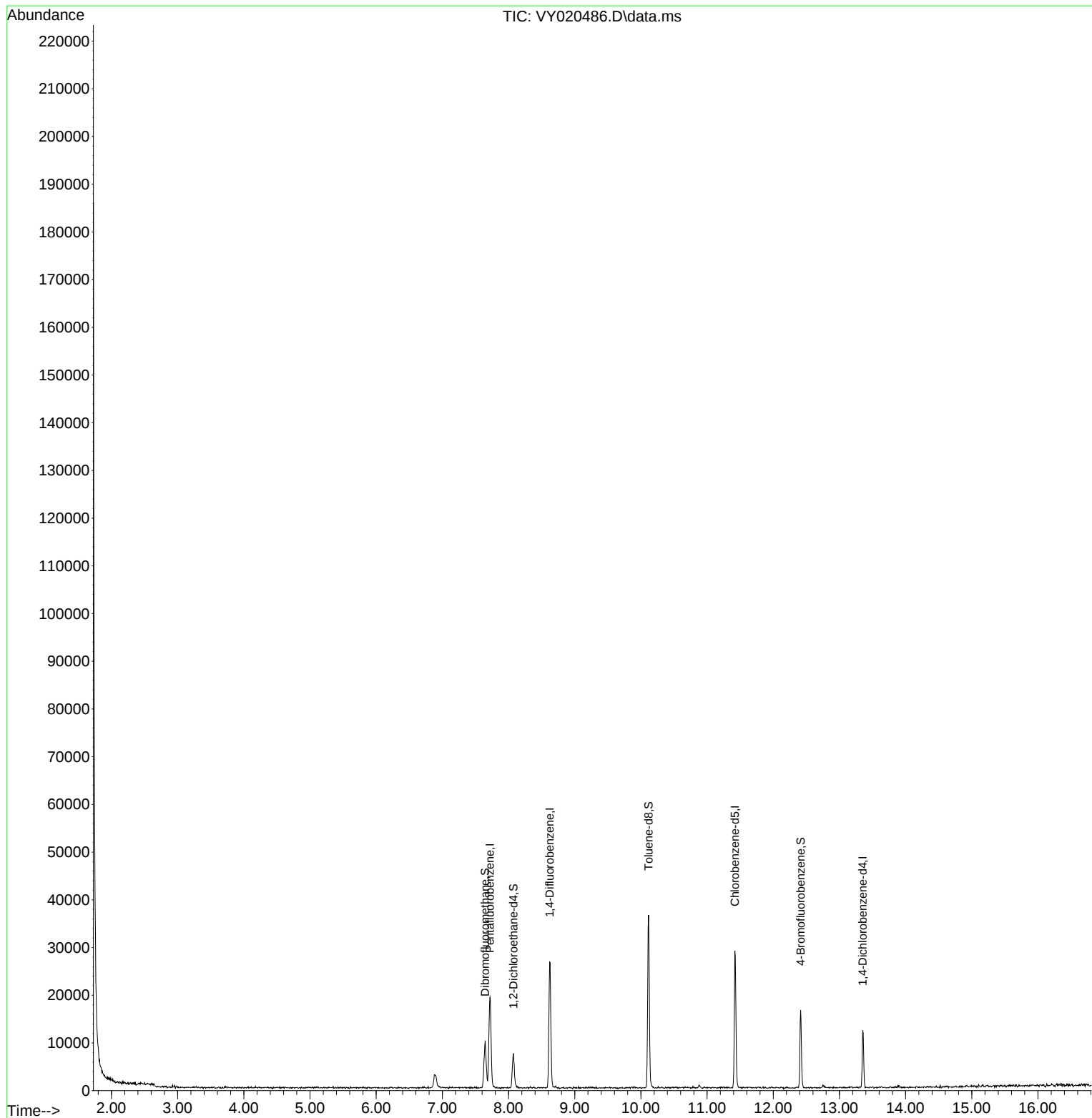
Target Compounds	Qvalue

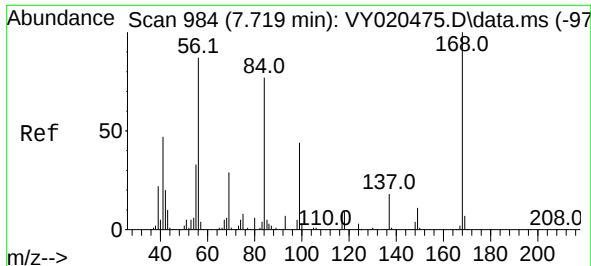
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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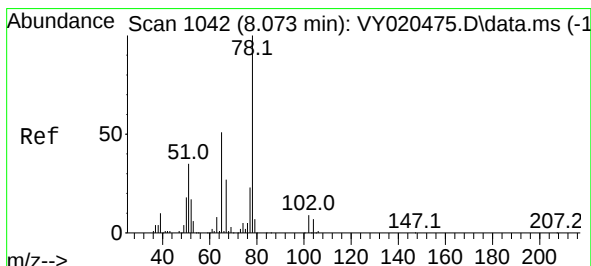
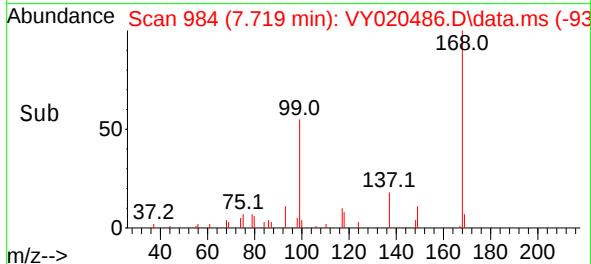
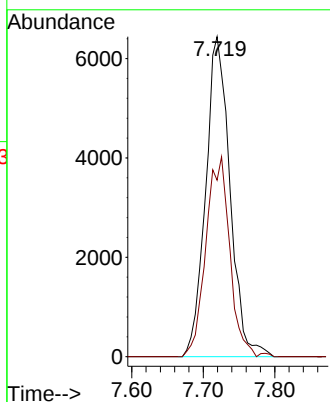
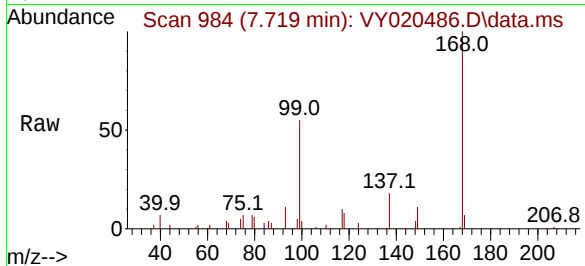




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.006 min
Lab File: VY020486.D
Acq: 02 Dec 2024 15:34

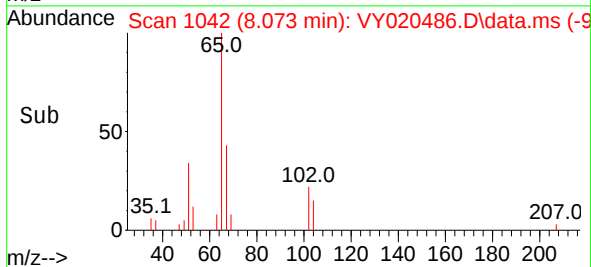
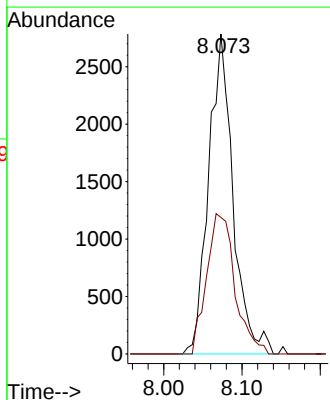
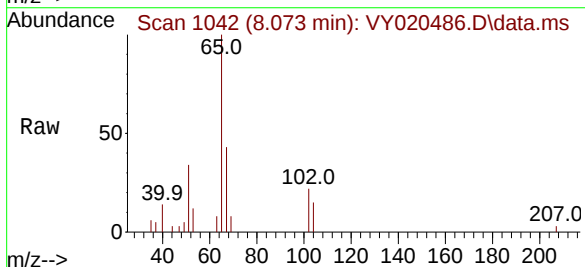
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-11272024

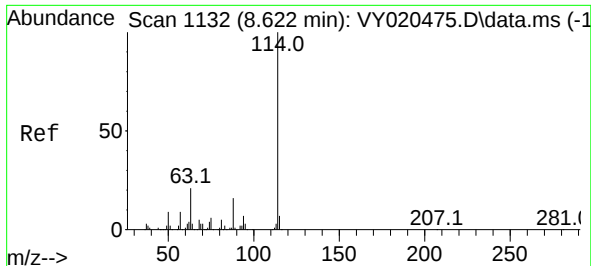
Tgt Ion:168 Resp: 15239
Ion Ratio Lower Upper
168 100
99 55.2 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 38.901 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY020486.D
Acq: 02 Dec 2024 15:34

Tgt Ion: 65 Resp: 6029
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY020486.D

Acq: 02 Dec 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-11272024

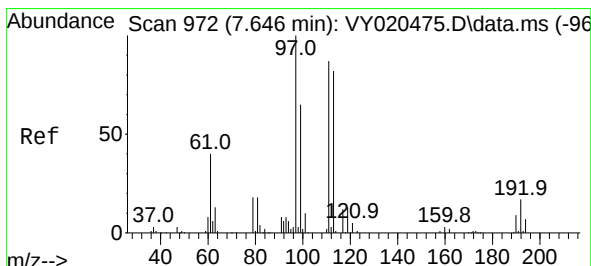
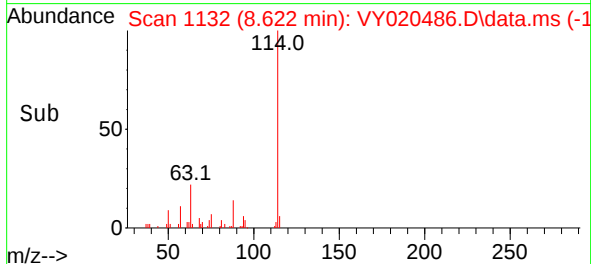
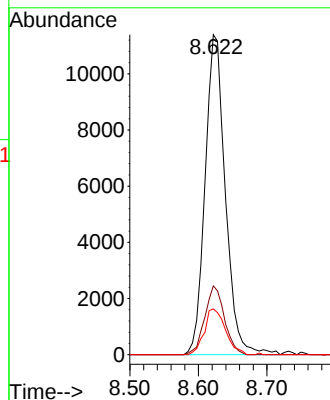
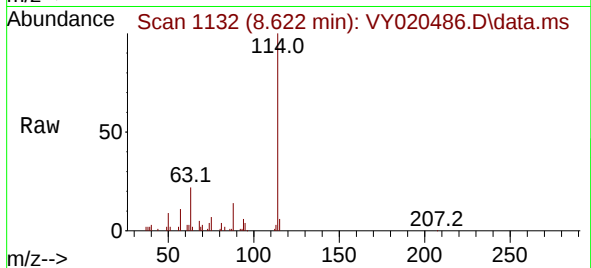
Tgt Ion:114 Resp: 23447

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.8

88 14.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.632 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY020486.D

Acq: 02 Dec 2024 15:34

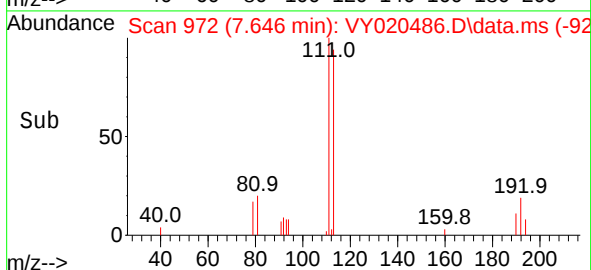
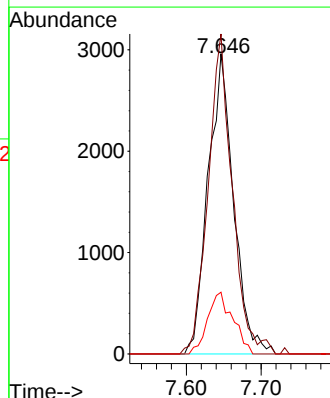
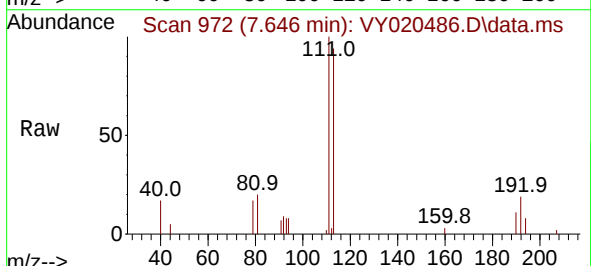
Tgt Ion:113 Resp: 7031

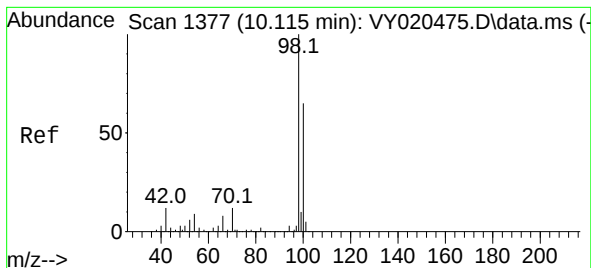
Ion Ratio Lower Upper

113 100

111 101.0 81.4 122.0

192 20.3 15.1 22.7





#50

Toluene-d8

Concen: 44.425 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY020486.D

Acq: 02 Dec 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

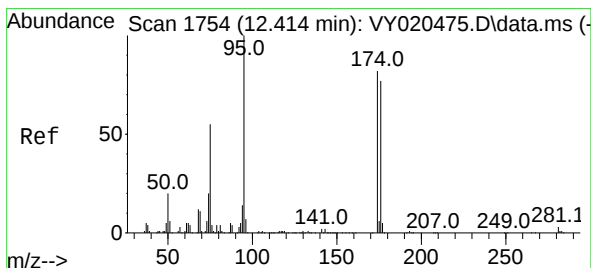
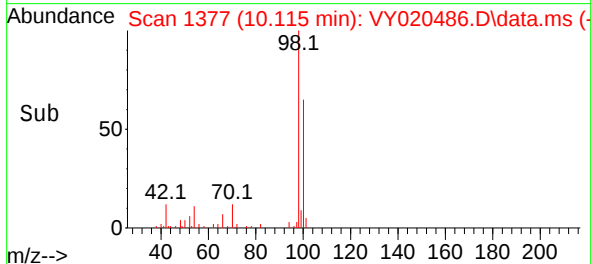
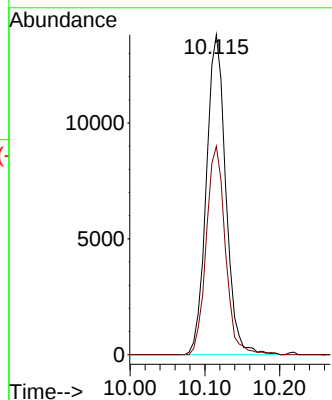
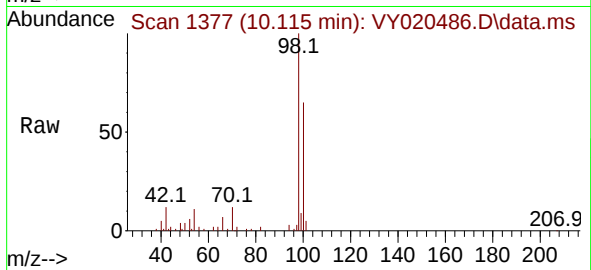
HD-01-11272024

Tgt Ion: 98 Resp: 24970

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 27.240 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.012 min

Lab File: VY020486.D

Acq: 02 Dec 2024 15:34

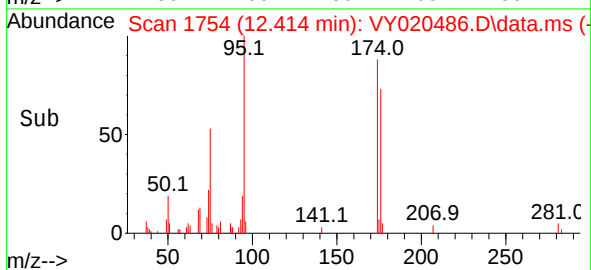
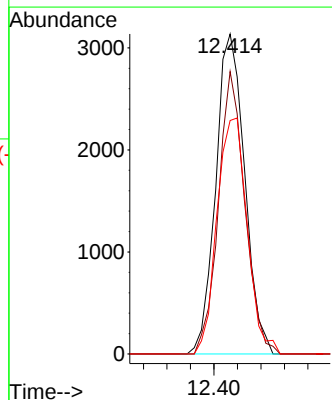
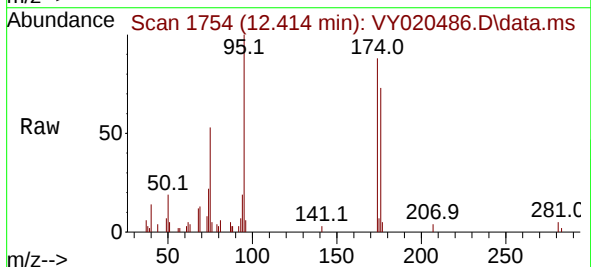
Tgt Ion: 95 Resp: 5355

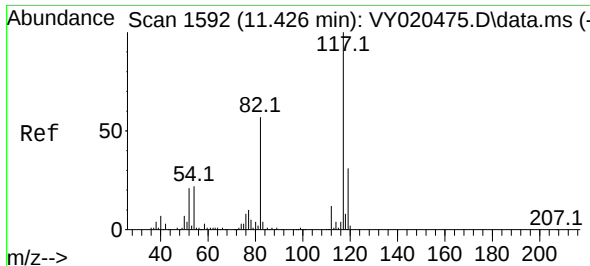
Ion Ratio Lower Upper

95 100

174 80.7 0.0 156.8

176 77.1 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY020486.D

Acq: 02 Dec 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-11272024

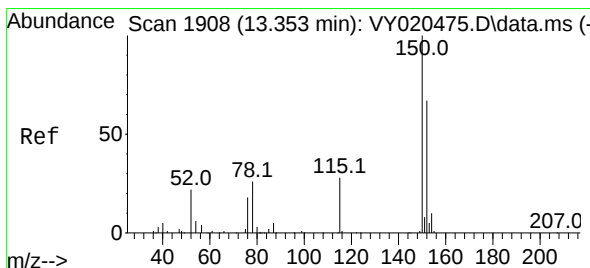
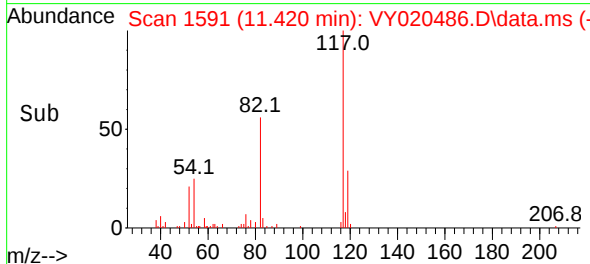
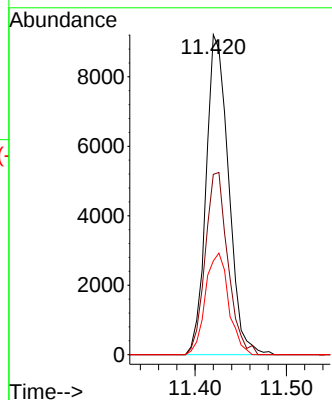
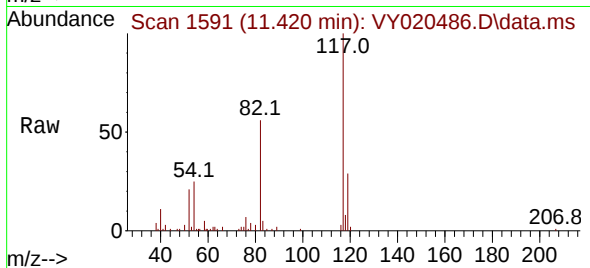
Tgt Ion:117 Resp: 15711

Ion Ratio Lower Upper

117 100

82 56.4 48.2 72.4

119 29.3 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020486.D

Acq: 02 Dec 2024 15:34

Tgt Ion:152 Resp: 3154

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

150 162.3 0.0 348.2

