

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017287.D
 Acq On : 07 Feb 2024 14:26
 Operator : SY/MD
 Sample : P1364-03
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

Quant Time: Feb 08 01:42:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	82567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	163010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	146958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	57211	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	46456	62.982	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.960%
35) Dibromofluoromethane	7.722	113	41750	47.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.880%
50) Toluene-d8	10.185	98	145167	45.300	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.600%
62) 4-Bromofluorobenzene	12.489	95	43385	41.329	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.660%

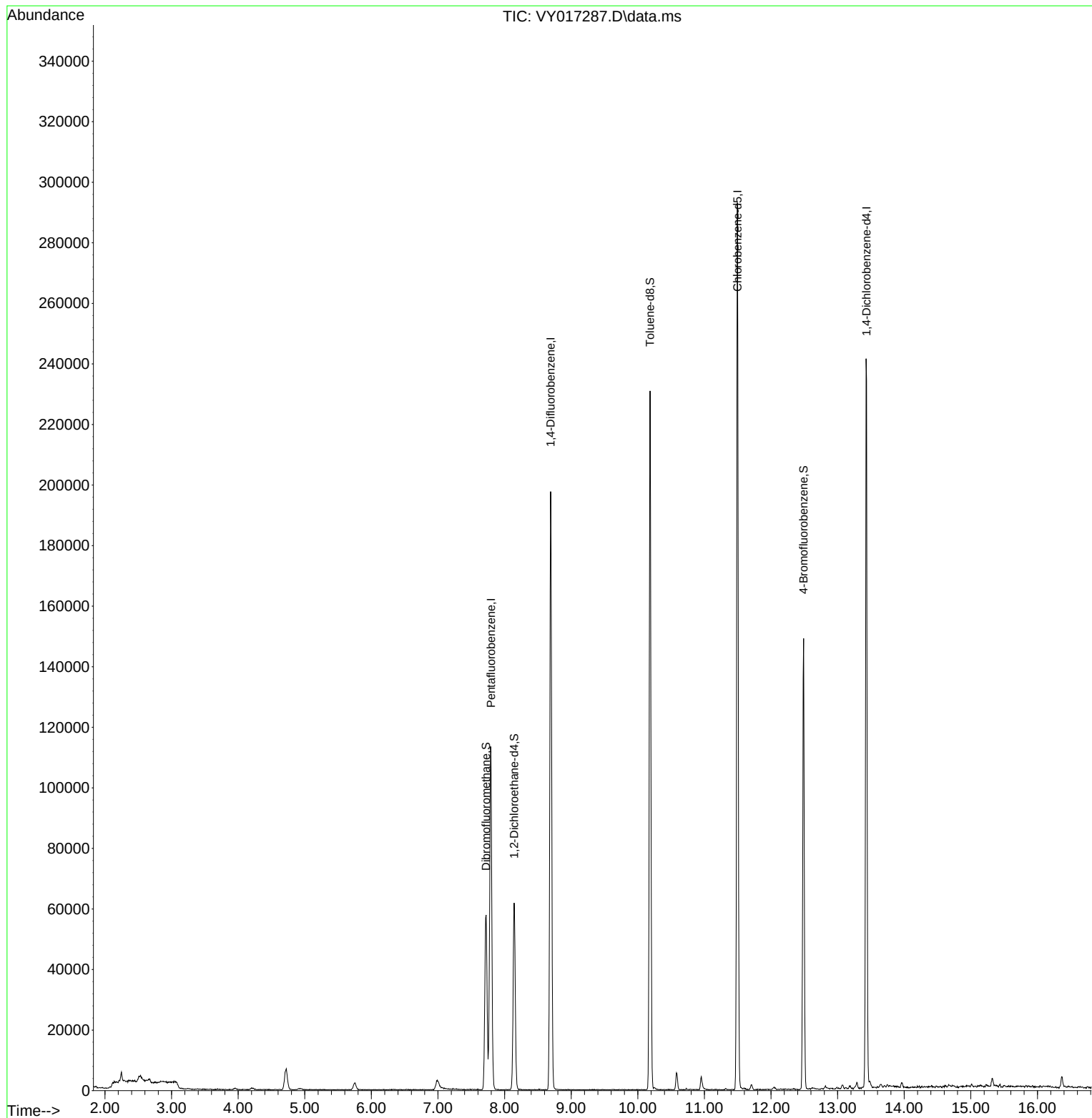
Target Compounds	Qvalue

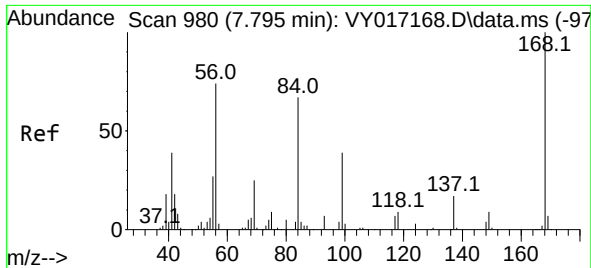
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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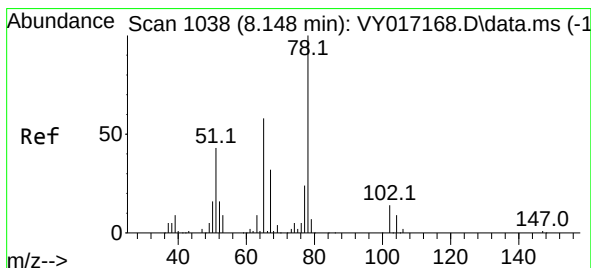
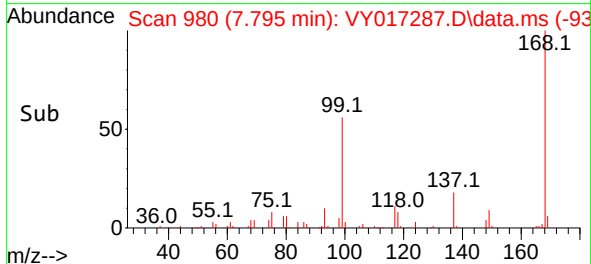
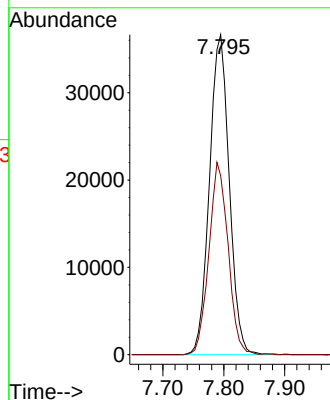
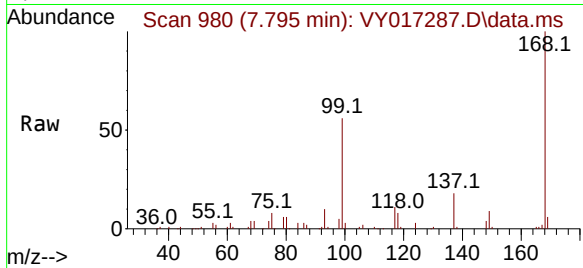




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017287.D
Acq: 07 Feb 2024 14:26

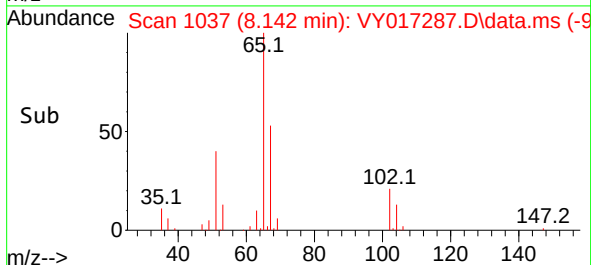
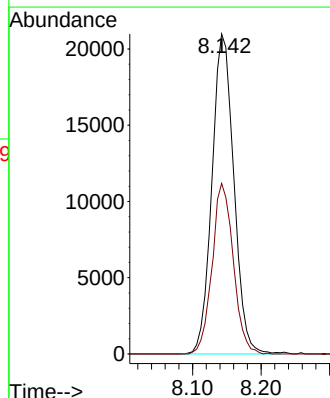
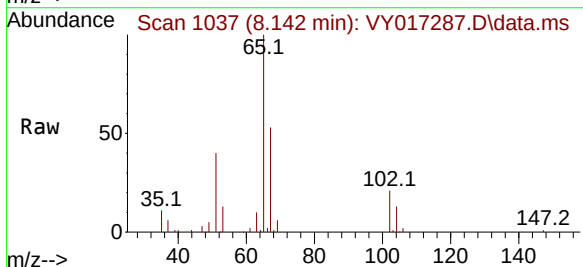
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

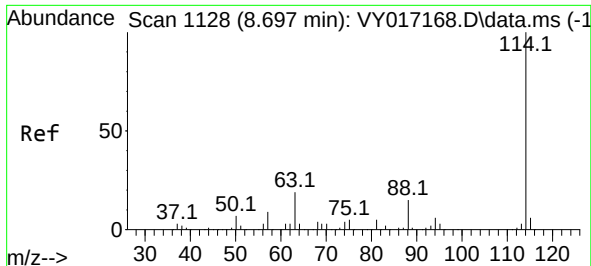
Tgt Ion:168 Resp: 82567
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 62.982 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017287.D
Acq: 07 Feb 2024 14:26

Tgt Ion: 65 Resp: 46456
Ion Ratio Lower Upper
65 100
67 51.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

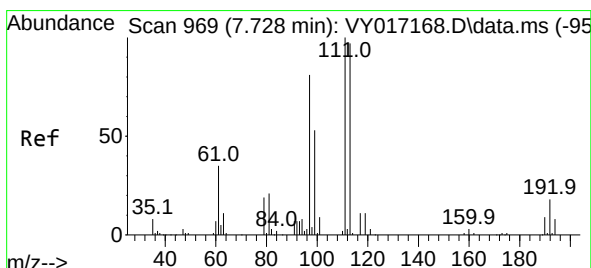
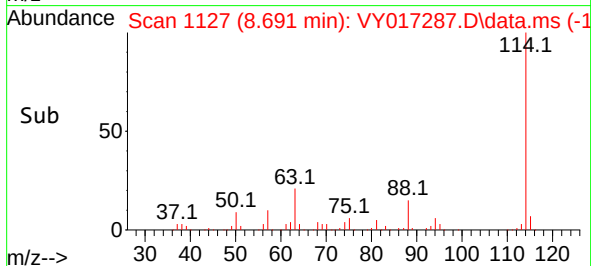
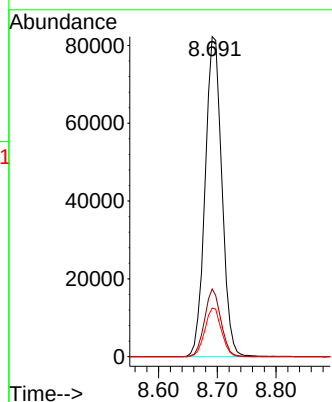
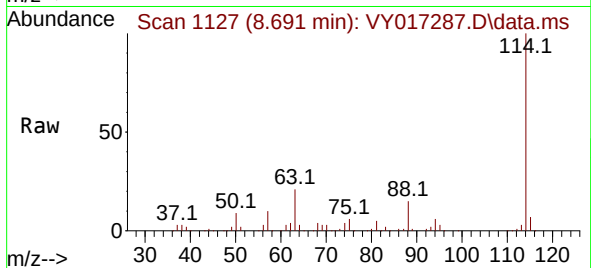
Tgt Ion:114 Resp: 163010

Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 47.435 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

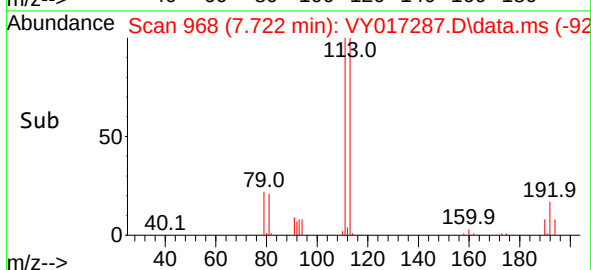
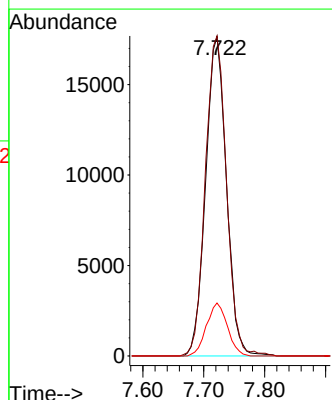
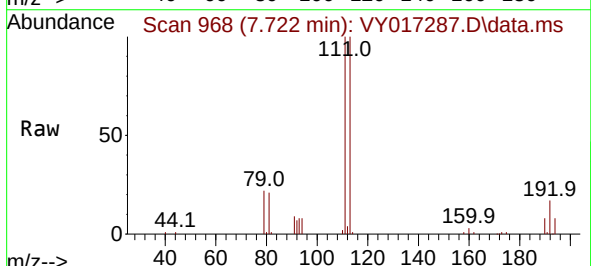
Tgt Ion:113 Resp: 41750

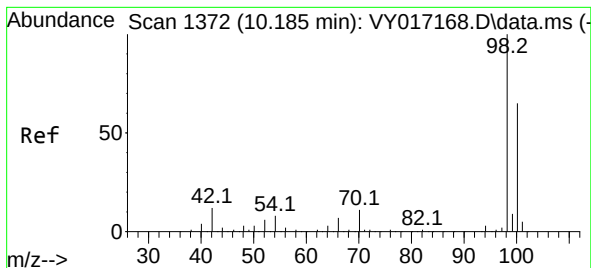
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 16.7 14.5 21.7





#50

Toluene-d8

Concen: 45.300 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

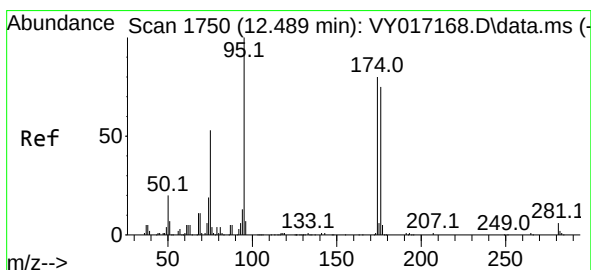
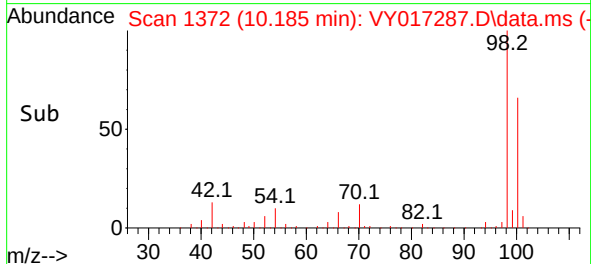
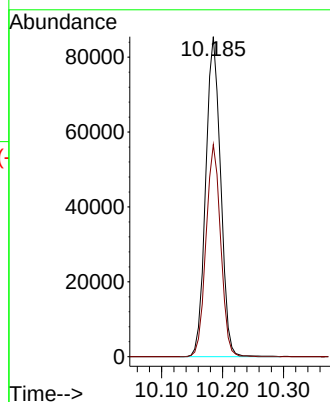
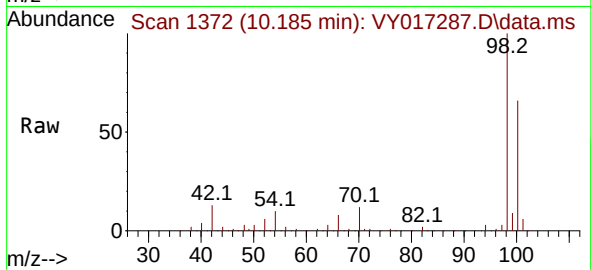
COMP-3

Tgt Ion: 98 Resp: 145167

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 41.329 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

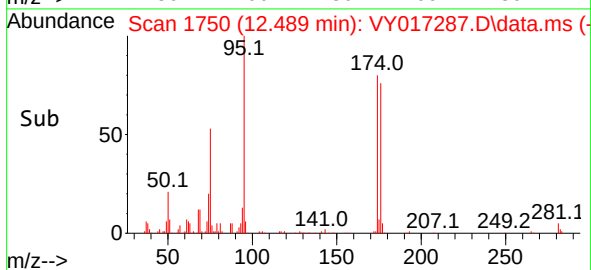
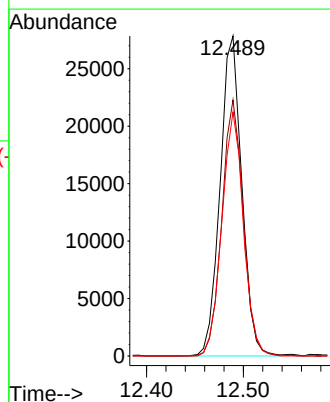
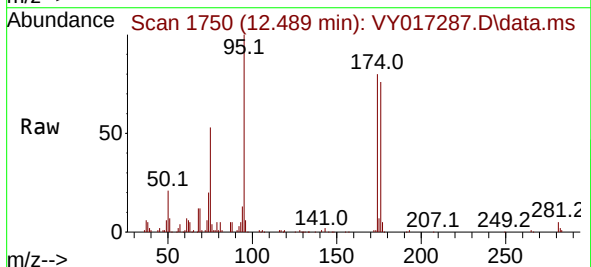
Tgt Ion: 95 Resp: 43385

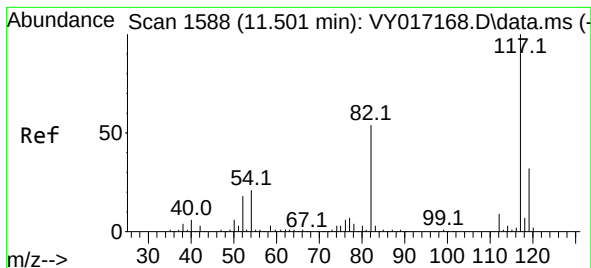
Ion Ratio Lower Upper

95 100

174 78.9 0.0 160.0

176 75.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

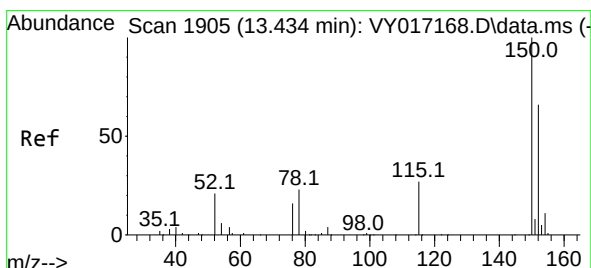
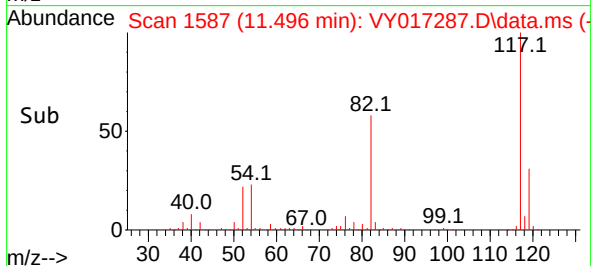
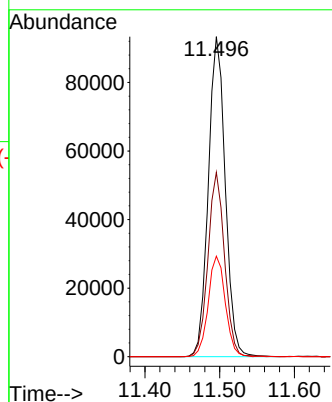
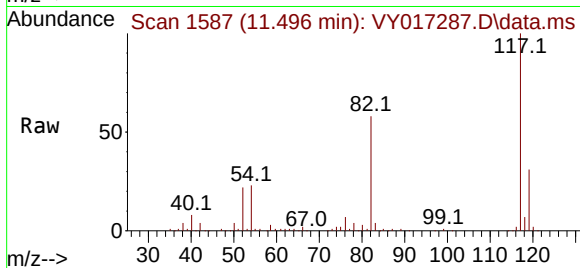
Tgt Ion:117 Resp: 146958

Ion Ratio Lower Upper

117 100

82 57.6 43.8 65.8

119 31.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

Tgt Ion:152 Resp: 57211

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

150 156.9 0.0 344.6

