

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011856.D
 Acq On : 14 Dec 2022 19:20
 Operator : KP/MD
 Sample : N6038-09
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-33-(2-4)

Quant Time: Dec 15 01:23:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

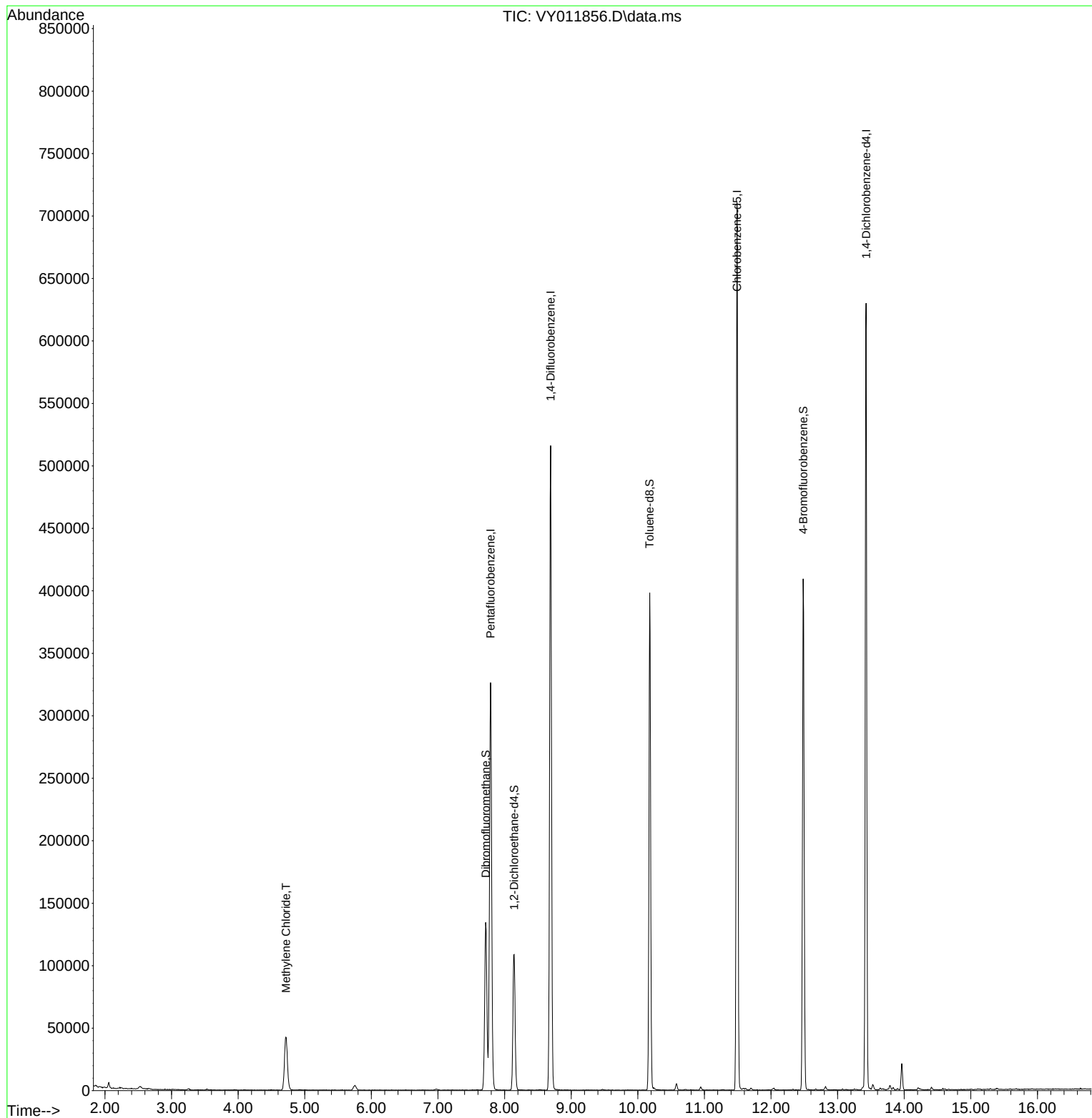
Internal Standards						
1) Pentafluorobenzene	7.789	168	251435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	438739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	382041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	167031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88971	52.052	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	104.100%	
35) Dibromofluoromethane	7.716	113	93570	47.834	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	95.660%	
50) Toluene-d8	10.179	98	265531	40.254	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	80.500%	
62) 4-Bromofluorobenzene	12.483	95	101637	38.947	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	77.900%	
Target Compounds						Qvalue
20) Methylene Chloride	4.716	84	33499	8.875	ug/l	98

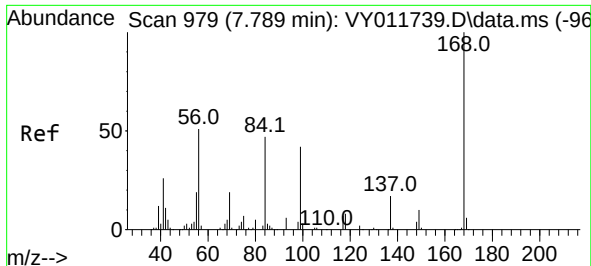
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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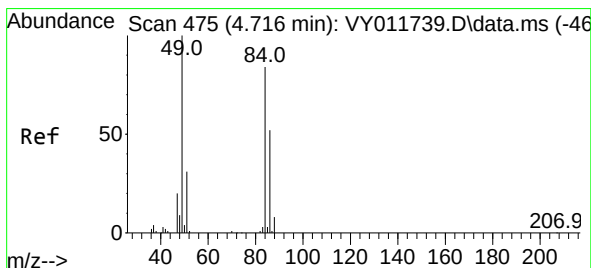
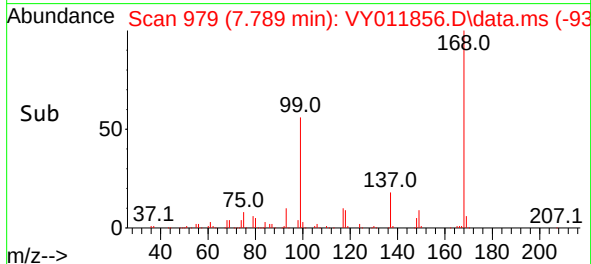
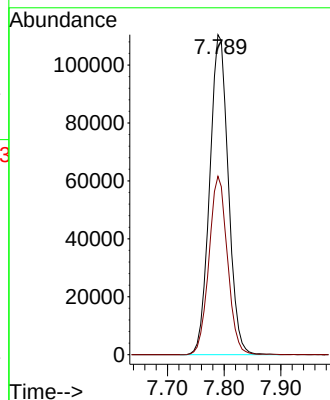
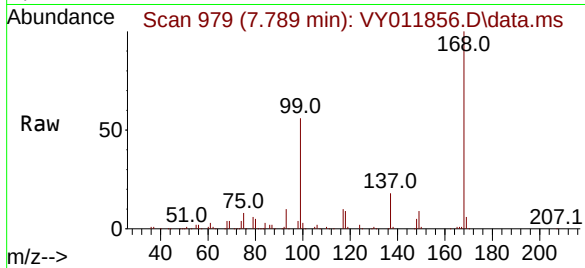




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

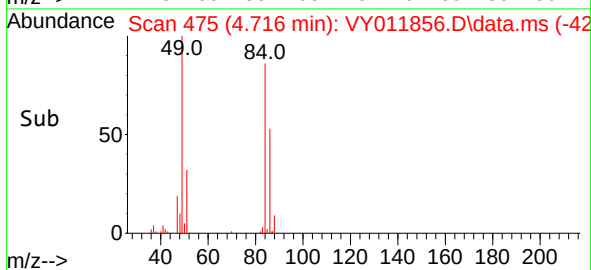
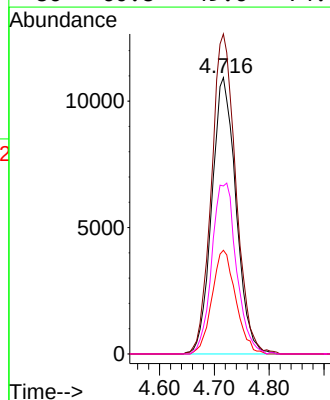
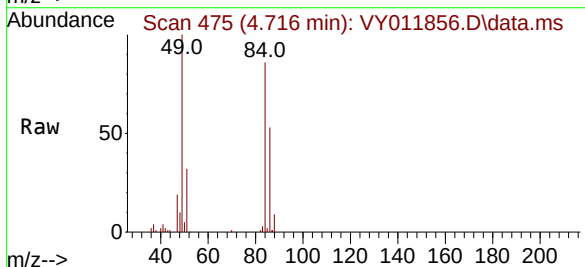
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(2-4)

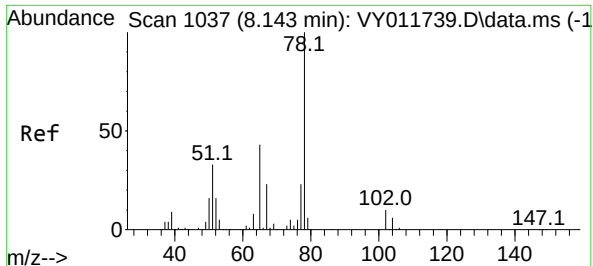
Tgt Ion:168 Resp: 251435
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#20
Methylene Chloride
Concen: 8.875 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

Tgt Ion: 84 Resp: 33499
Ion Ratio Lower Upper
84 100
49 115.8 95.4 143.2
51 37.5 29.9 44.9
86 60.8 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 52.052 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011856.D

Acq: 14 Dec 2022 19:20

Instrument :

MSVOA_Y

ClientSampleId :

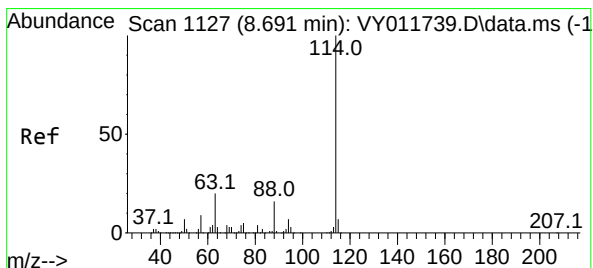
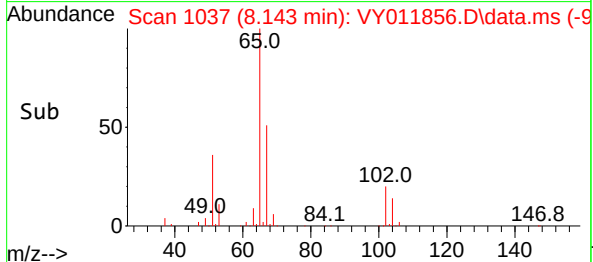
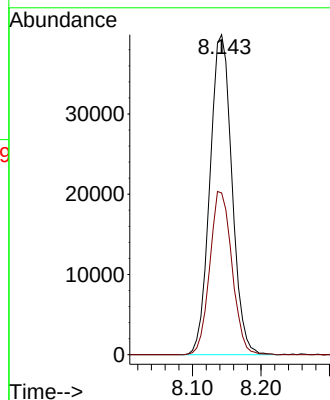
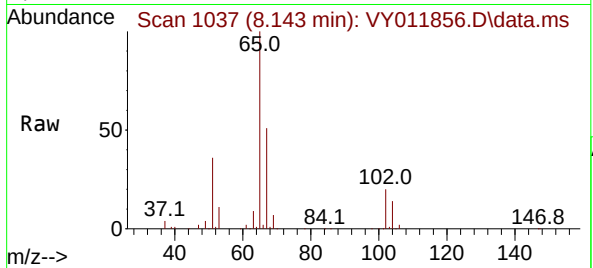
RB-33-(2-4)

Tgt Ion: 65 Resp: 88971

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011856.D

Acq: 14 Dec 2022 19:20

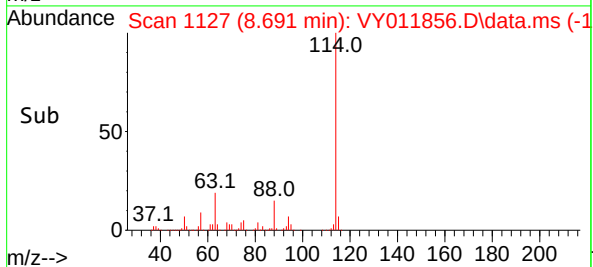
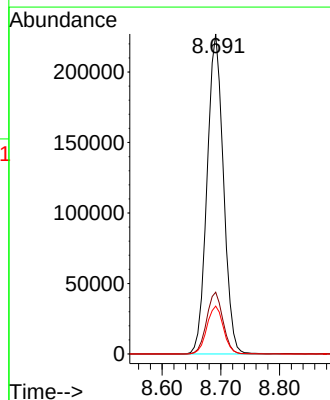
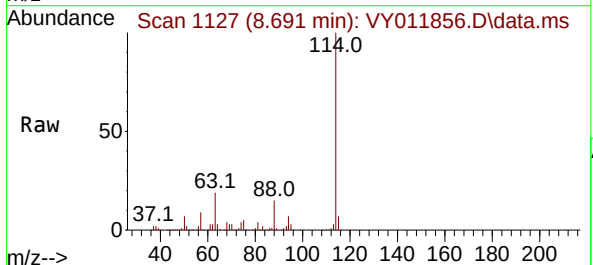
Tgt Ion: 114 Resp: 438739

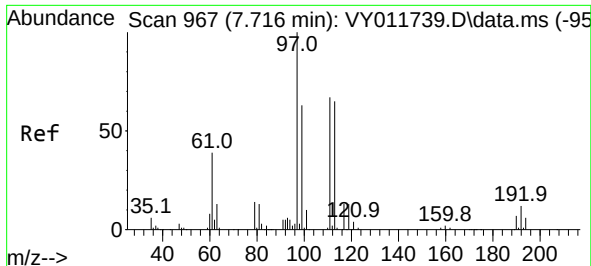
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.834 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY011856.D

Acq: 14 Dec 2022 19:20

Instrument :

MSVOA_Y

ClientSampleId :

RB-33-(2-4)

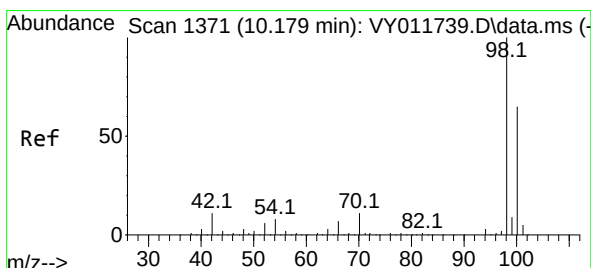
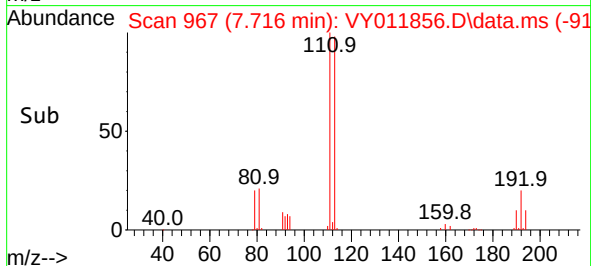
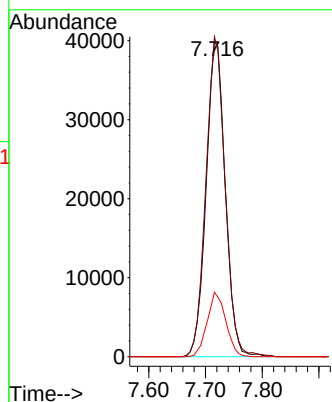
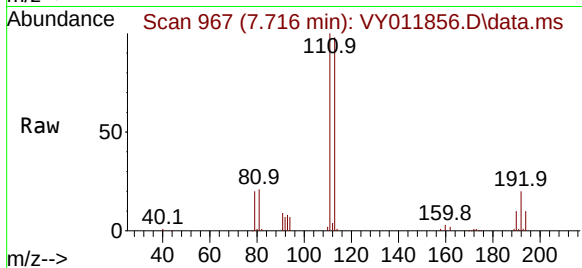
Tgt Ion:113 Resp: 93570

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.4

192 19.8 16.0 24.0



#50

Toluene-d8

Concen: 40.254 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011856.D

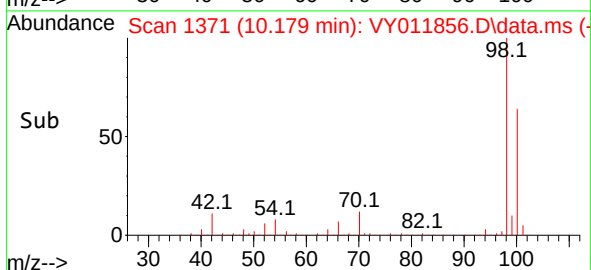
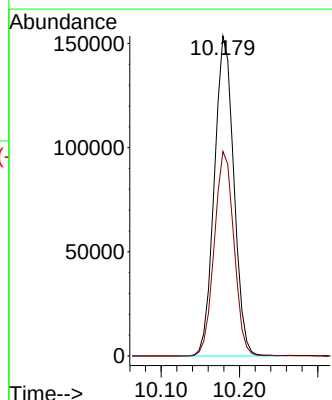
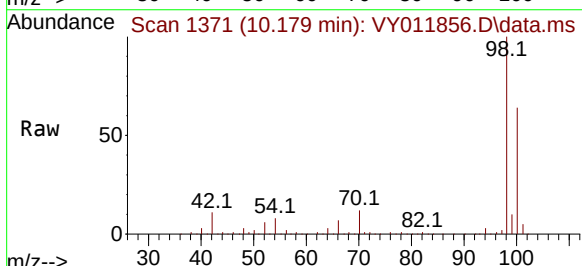
Acq: 14 Dec 2022 19:20

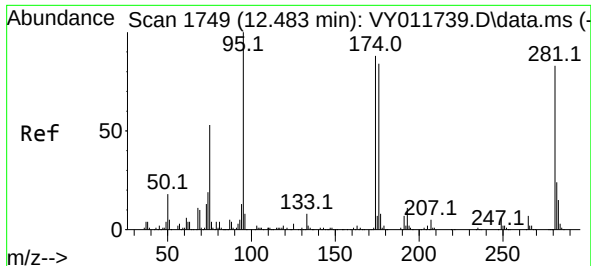
Tgt Ion: 98 Resp: 265531

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 38.947 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY011856.D

Acq: 14 Dec 2022 19:20

Instrument :

MSVOA_Y

ClientSampleId :

RB-33-(2-4)

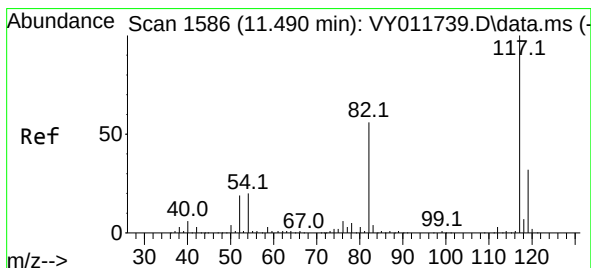
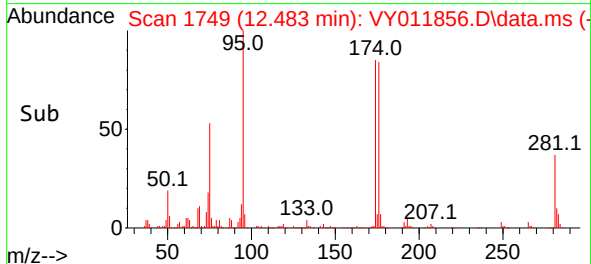
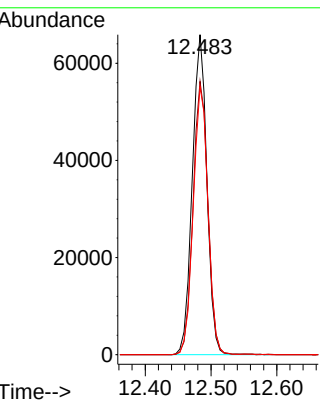
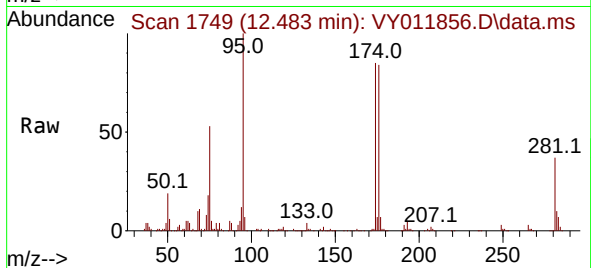
Tgt Ion: 95 Resp: 101637

Ion Ratio Lower Upper

95 100

174 87.1 0.0 172.0

176 84.7 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY011856.D

Acq: 14 Dec 2022 19:20

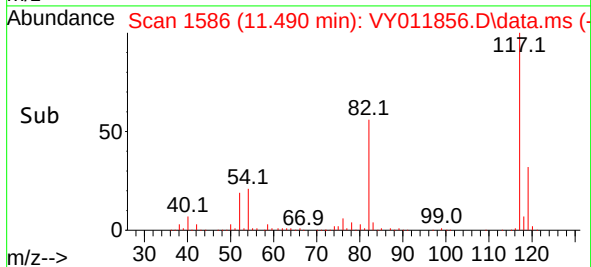
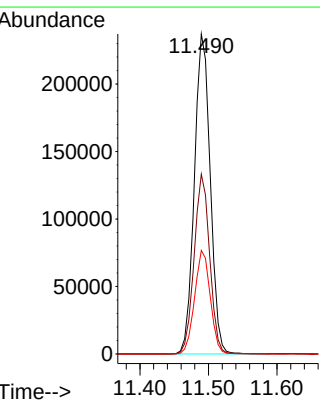
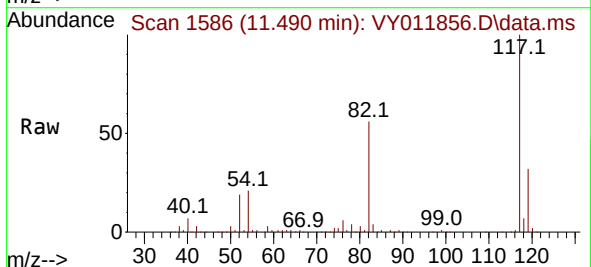
Tgt Ion: 117 Resp: 382041

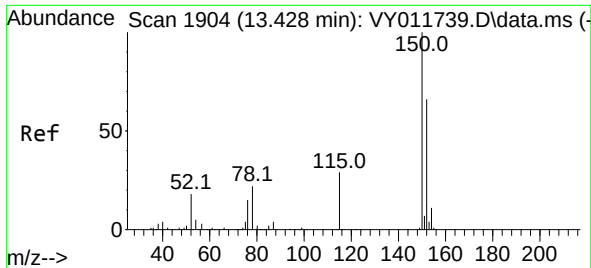
Ion Ratio Lower Upper

117 100

82 56.2 44.8 67.2

119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY011856.D

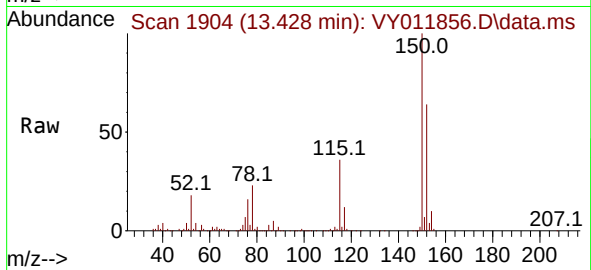
Acq: 14 Dec 2022 19:20

Instrument :

MSVOA_Y

ClientSampleId :

RB-33-(2-4)



Tgt Ion:152 Resp: 167031

Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

150 156.5 0.0 342.6

