

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013808.D
 Acq On : 18 May 2023 18:27
 Operator : KP/MD
 Sample : 02832-02
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-22-K2-SO-69.5-051723

Quant Time: May 19 03:23:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

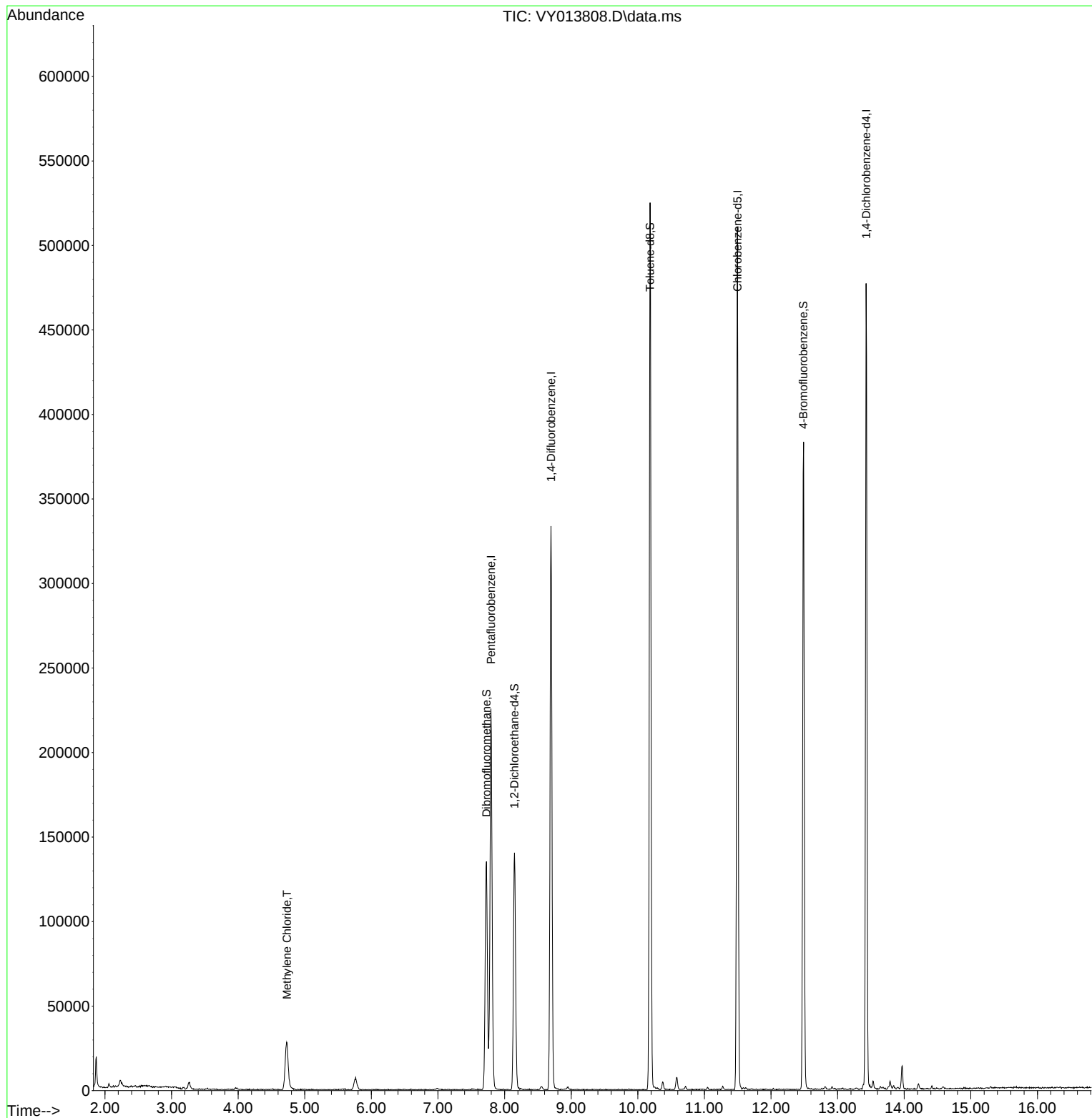
Internal Standards						
1) Pentafluorobenzene	7.795	168	166763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	275900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	265078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	116231	59.999	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.000%
35) Dibromofluoromethane	7.728	113	90143	50.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.900%
50) Toluene-d8	10.185	98	334630	49.890	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.780%
62) 4-Bromofluorobenzene	12.483	95	106631	47.862	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.720%
Target Compounds						
20) Methylene Chloride	4.735	84	21132	6.675	ug/l	84

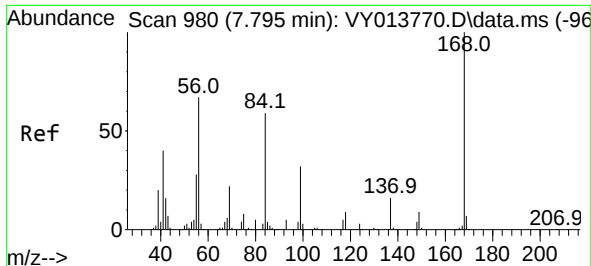
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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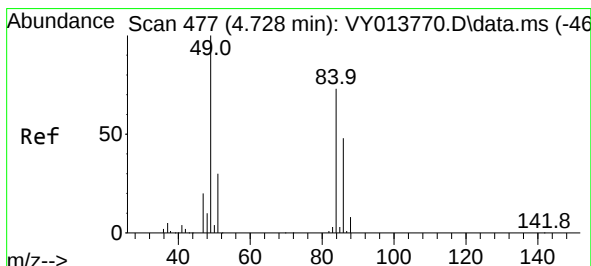
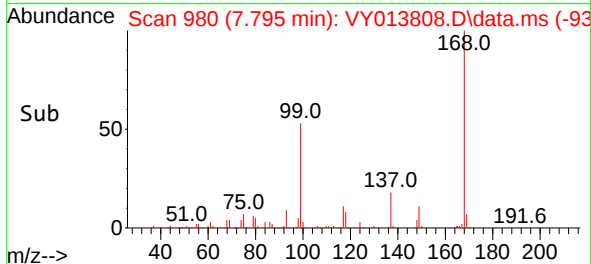
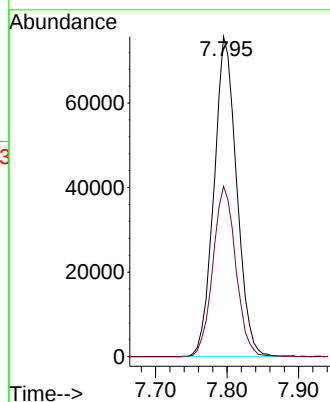
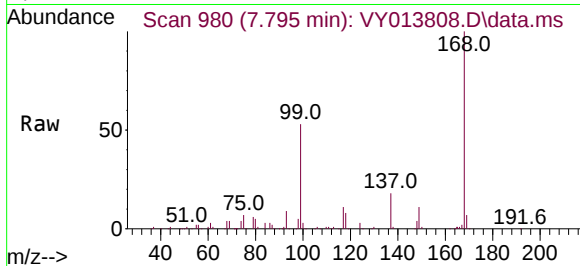




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

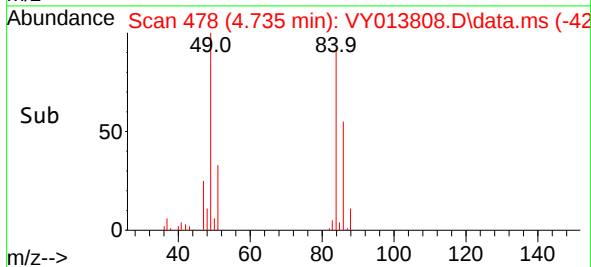
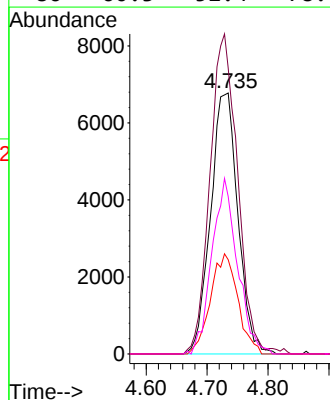
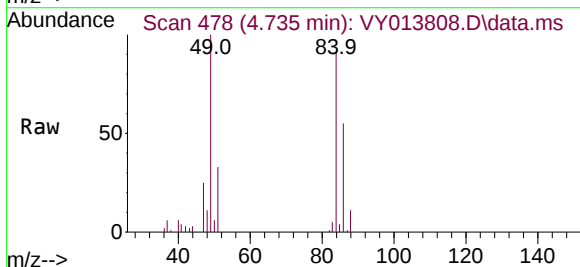
Instrument :
MSVOA_Y
ClientSampleId :
CB-22-K2-SO-69.5-051723

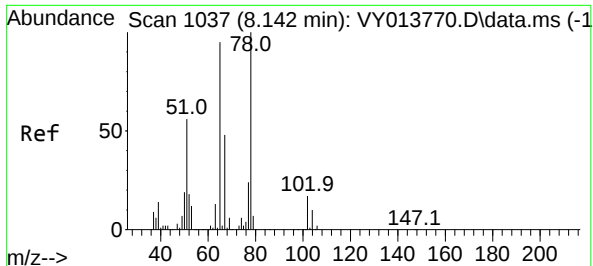
Tgt Ion:168 Resp: 166763
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#20
Methylene Chloride
Concen: 6.675 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.007 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

Tgt Ion: 84 Resp: 21132
Ion Ratio Lower Upper
84 100
49 109.6 109.4 164.0
51 36.1 32.8 49.2
86 60.3 52.4 78.6





#33

1,2-Dichloroethane-d4

Concen: 59.999 ug/l

RT: 8.149 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013808.D

Acq: 18 May 2023 18:27

Instrument :

MSVOA_Y

ClientSampleId :

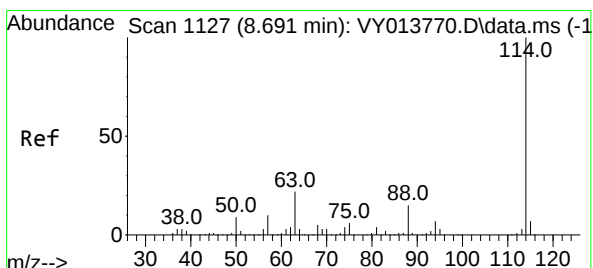
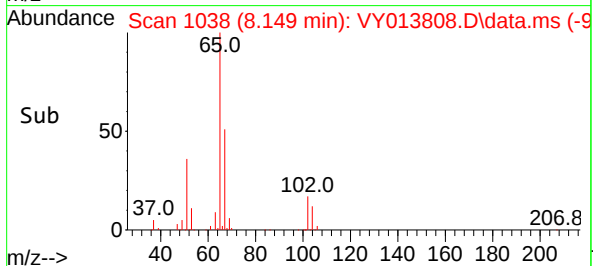
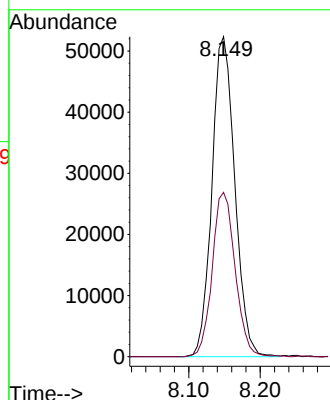
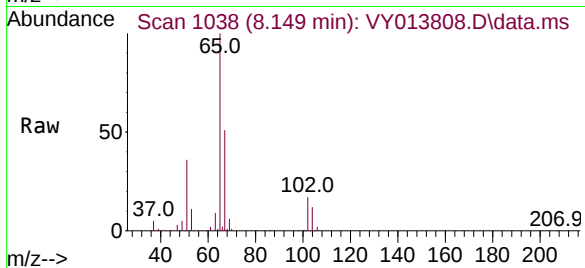
CB-22-K2-SO-69.5-051723

Tgt Ion: 65 Resp: 116231

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY013808.D

Acq: 18 May 2023 18:27

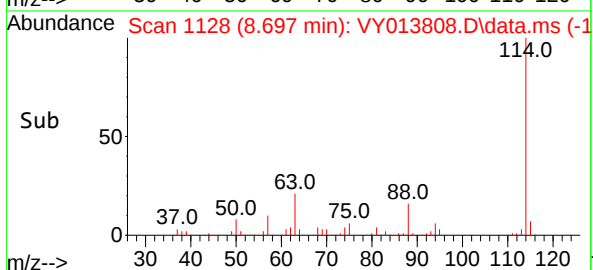
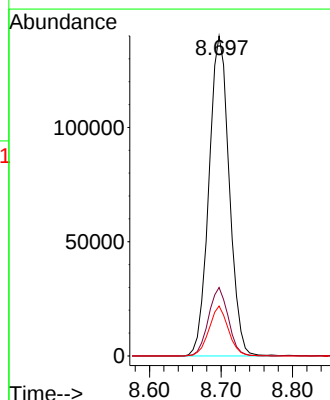
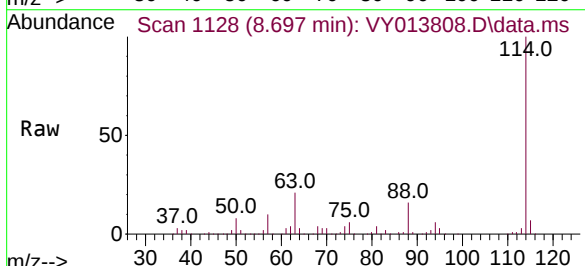
Tgt Ion: 114 Resp: 275900

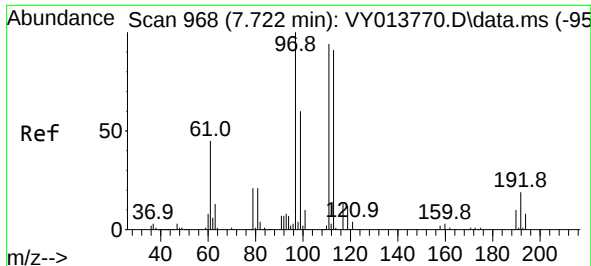
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.8

88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.950 ug/l

RT: 7.728 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY013808.D

Acq: 18 May 2023 18:27

Instrument :

MSVOA_Y

ClientSampleId :

CB-22-K2-SO-69.5-051723

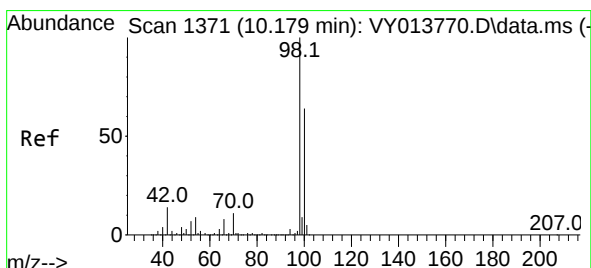
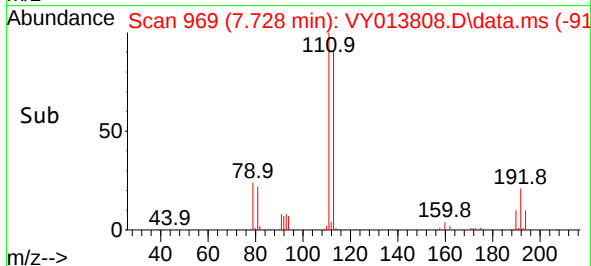
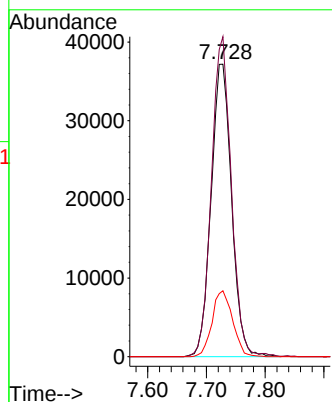
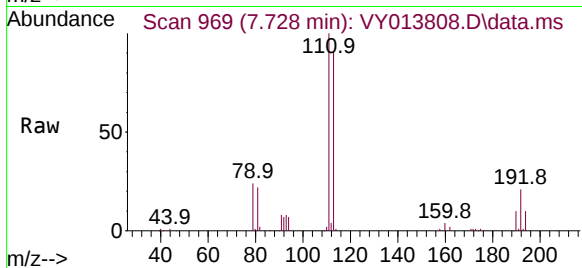
Tgt Ion:113 Resp: 90143

Ion Ratio Lower Upper

113 100

111 105.9 82.3 123.5

192 22.6 16.0 24.0



#50

Toluene-d8

Concen: 49.890 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY013808.D

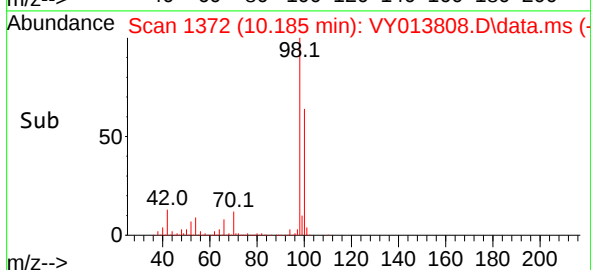
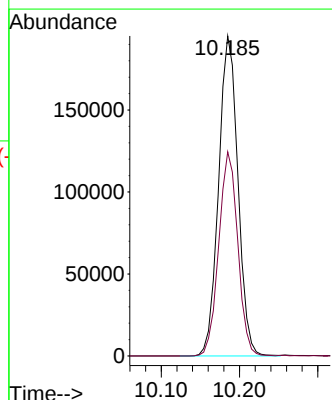
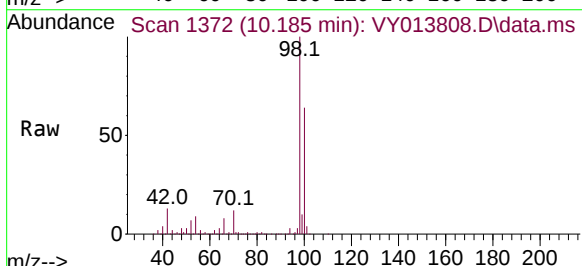
Acq: 18 May 2023 18:27

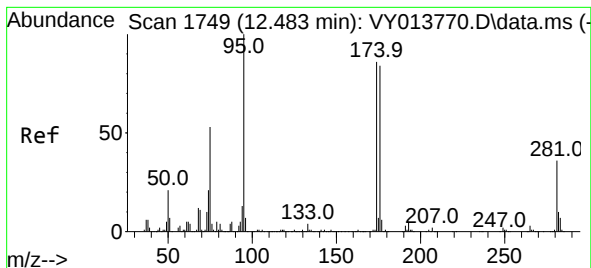
Tgt Ion: 98 Resp: 334630

Ion Ratio Lower Upper

98 100

100 62.7 51.0 76.6





#62

4-Bromofluorobenzene

Concen: 47.862 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013808.D

Acq: 18 May 2023 18:27

Instrument :

MSVOA_Y

ClientSampleId :

CB-22-K2-SO-69.5-051723

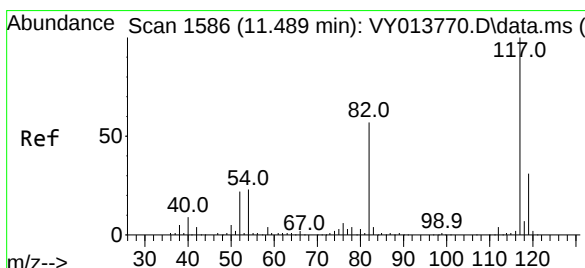
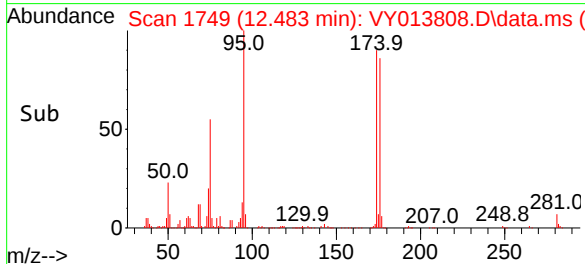
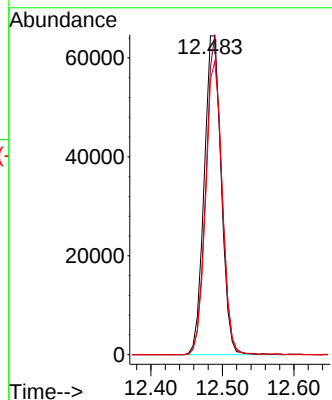
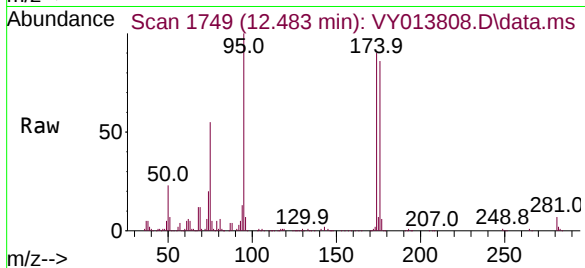
Tgt Ion: 95 Resp: 106631

Ion Ratio Lower Upper

95 100

174 93.0 0.0 168.8

176 89.5 0.0 165.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1587

Delta R.T. 0.006 min

Lab File: VY013808.D

Acq: 18 May 2023 18:27

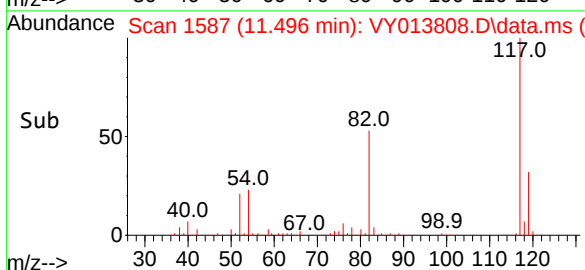
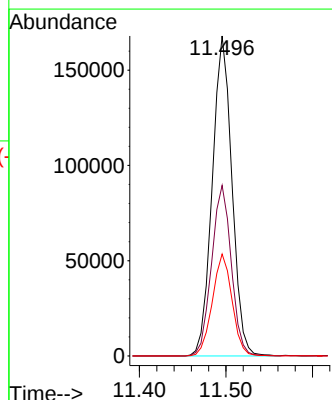
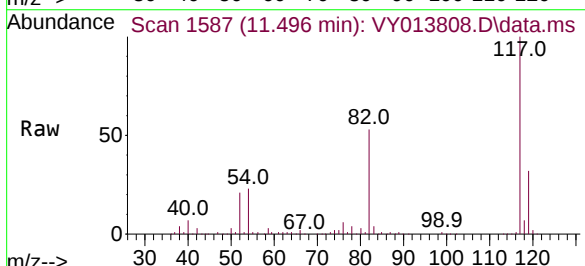
Tgt Ion: 117 Resp: 265078

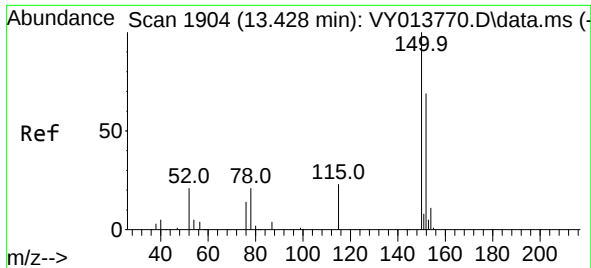
Ion Ratio Lower Upper

117 100

82 53.3 45.5 68.3

119 31.8 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013808.D

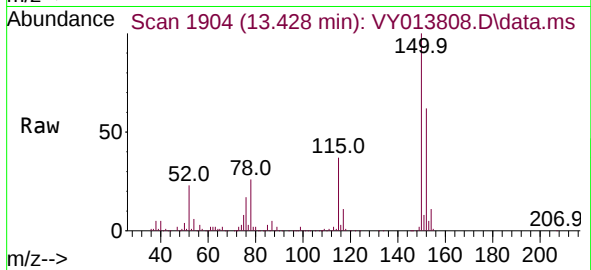
Acq: 18 May 2023 18:27

Instrument :

MSVOA_Y

ClientSampleId :

CB-22-K2-SO-69.5-051723



Tgt Ion:152 Resp: 118804

Ion Ratio Lower Upper

152 100

115 55.2 28.5 85.5

150 157.8 0.0 347.0

