

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014828.D
 Acq On : 26 Jul 2023 02:22
 Operator : SY/MD
 Sample : 03741-09
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P26B

Quant Time: Jul 26 04:25:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	166912	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	295472	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	282145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134563	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	108392	56.988	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.980%
35) Dibromofluoromethane	7.728	113	95027	50.522	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.040%
50) Toluene-d8	10.185	98	353713	51.008	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.020%
62) 4-Bromofluorobenzene	12.483	95	131311	49.385	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.760%

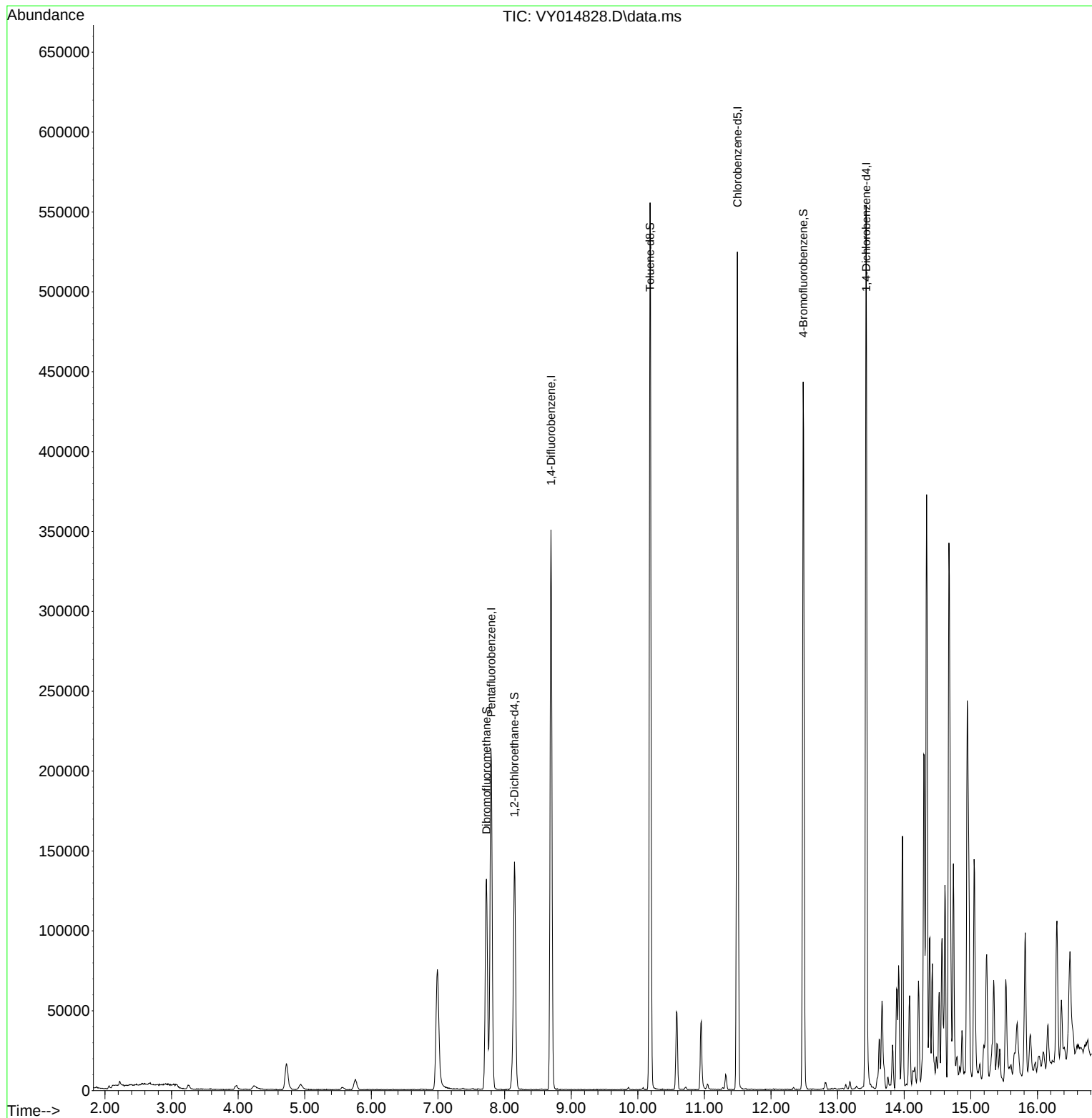
Target Compounds	Qvalue

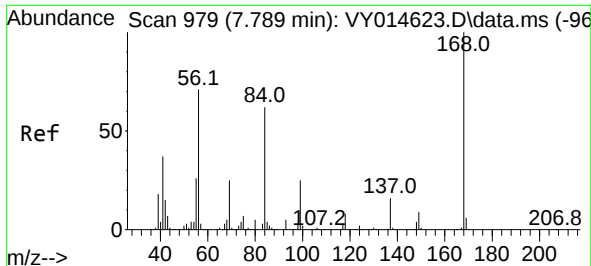
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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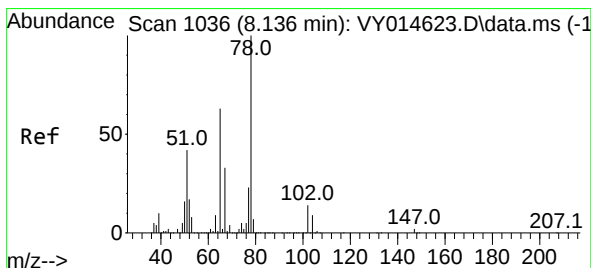
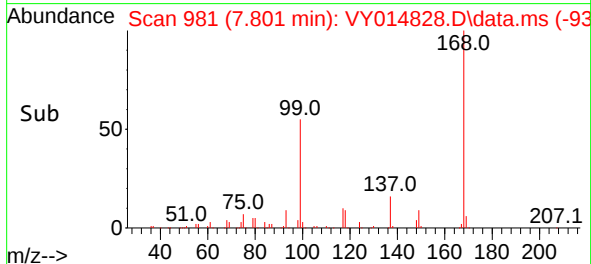
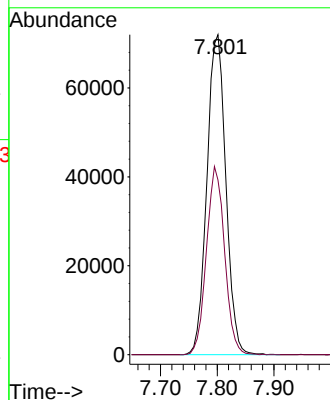
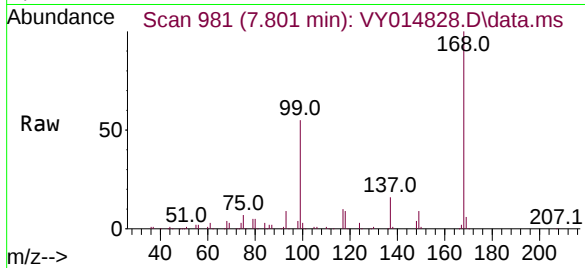




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014828.D
Acq: 26 Jul 2023 02:22

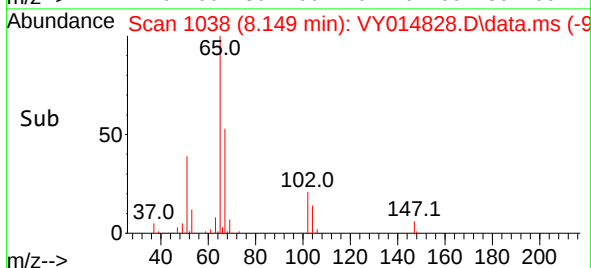
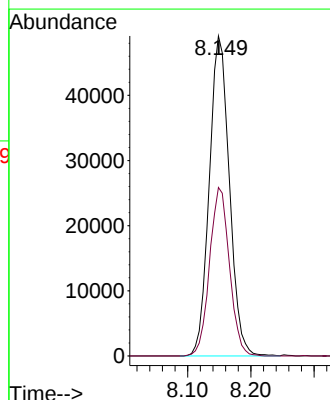
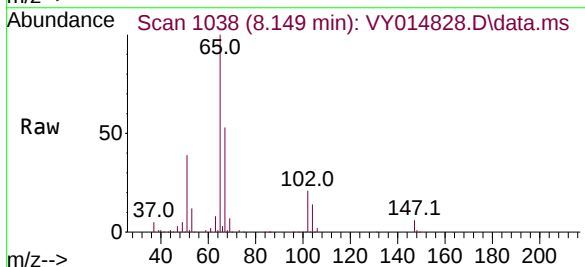
Instrument :
MSVOA_Y
ClientSampleId :
B-P26B

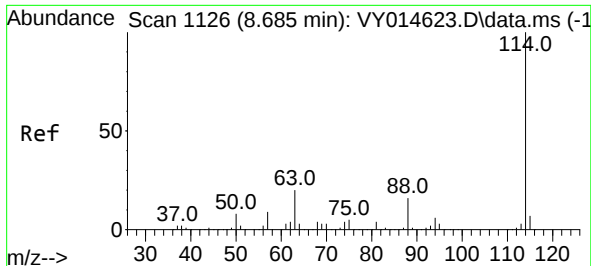
Tgt Ion:168 Resp: 166912
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 56.988 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY014828.D
Acq: 26 Jul 2023 02:22

Tgt Ion: 65 Resp: 108392
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY014828.D

Acq: 26 Jul 2023 02:22

Instrument :

MSVOA_Y

ClientSampleId :

B-P26B

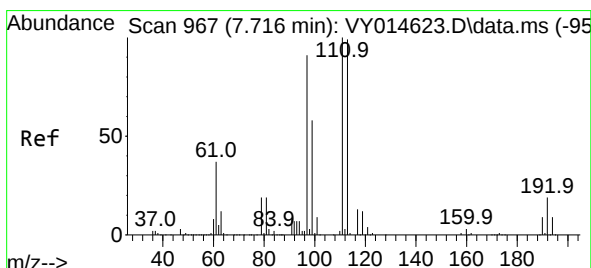
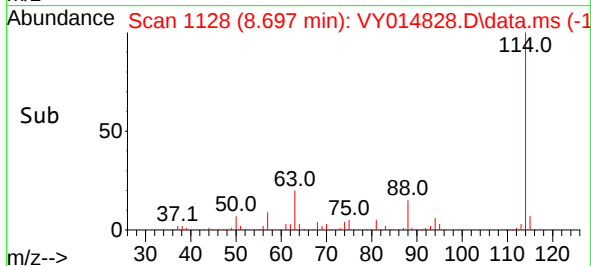
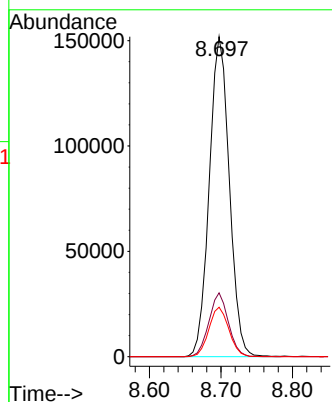
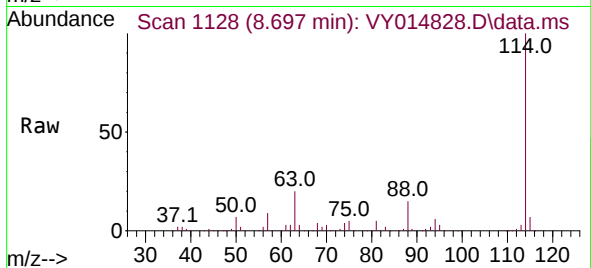
Tgt Ion:114 Resp: 295472

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.522 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014828.D

Acq: 26 Jul 2023 02:22

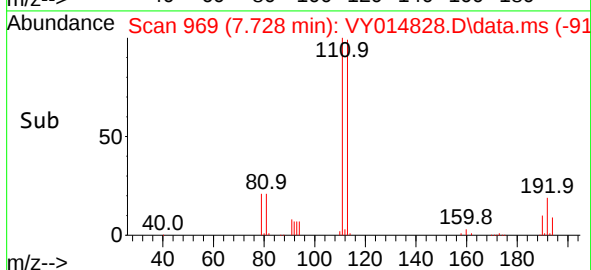
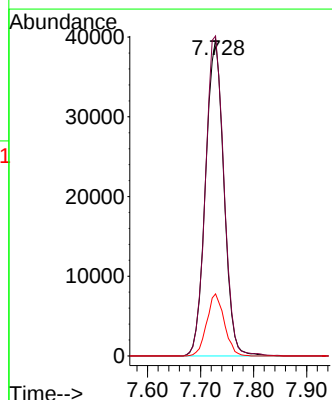
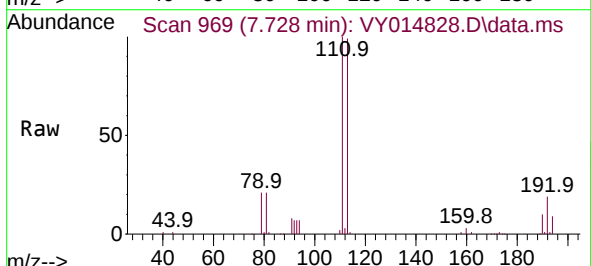
Tgt Ion:113 Resp: 95027

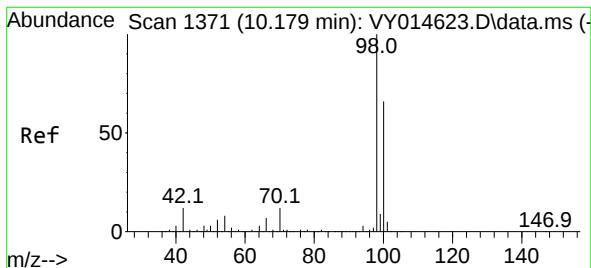
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 18.9 16.9 25.3





#50

Toluene-d8

Concen: 51.008 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014828.D

Acq: 26 Jul 2023 02:22

Instrument :

MSVOA_Y

ClientSampleId :

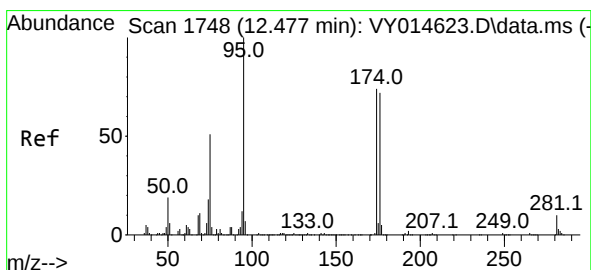
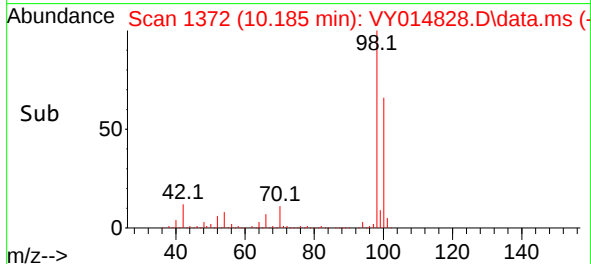
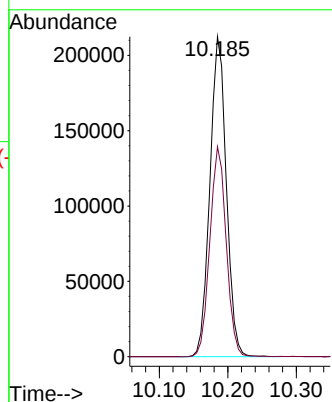
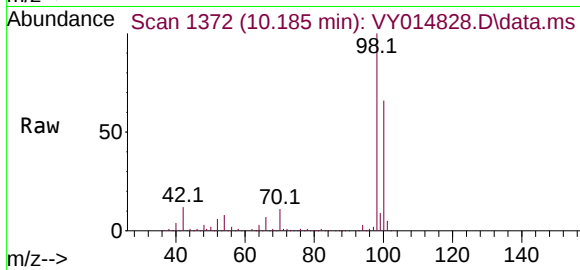
B-P26B

Tgt Ion: 98 Resp: 353713

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.385 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY014828.D

Acq: 26 Jul 2023 02:22

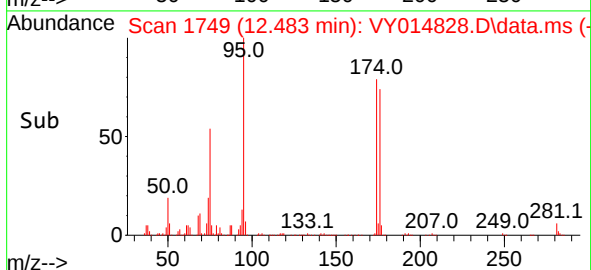
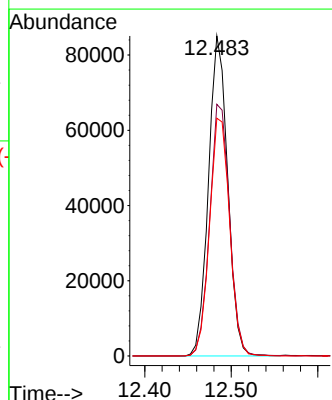
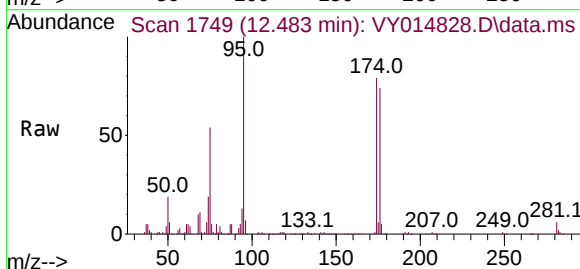
Tgt Ion: 95 Resp: 131311

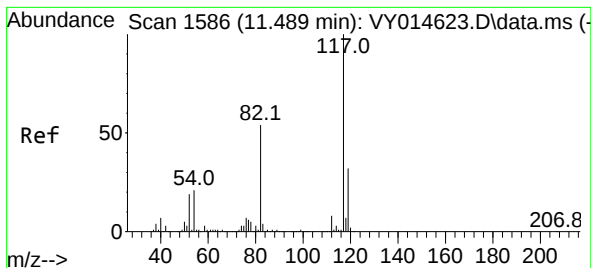
Ion Ratio Lower Upper

95 100

174 81.4 0.0 178.2

176 77.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014828.D

Acq: 26 Jul 2023 02:22

Instrument :

MSVOA_Y

ClientSampleId :

B-P26B

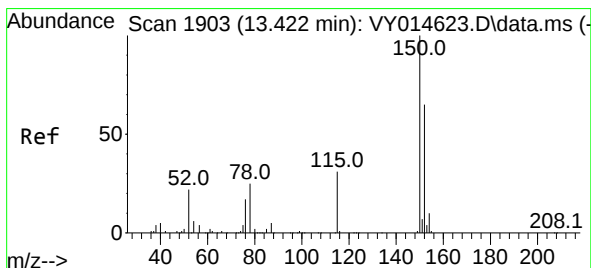
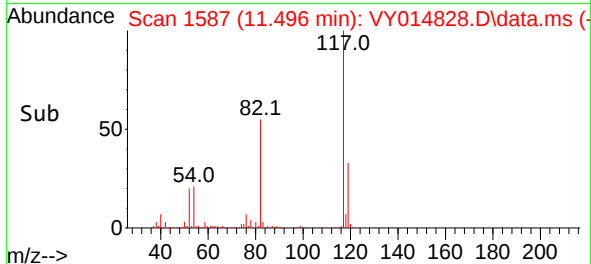
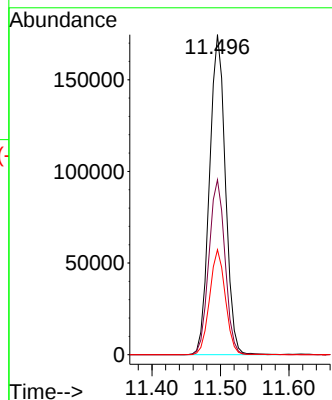
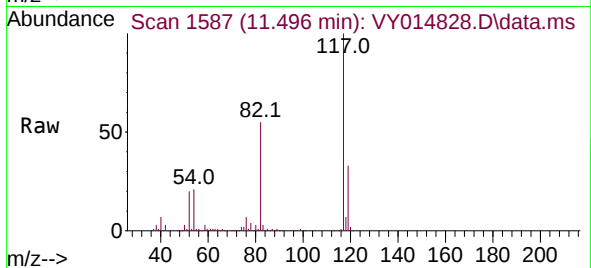
Tgt Ion:117 Resp: 282145

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 32.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014828.D

Acq: 26 Jul 2023 02:22

Tgt Ion:152 Resp: 134563

Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 156.9 0.0 348.8

