

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014532.D
 Acq On : 03 Jul 2023 13:55
 Operator : KP/MD
 Sample : VY0703SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBL01

Quant Time: Jul 04 02:59:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

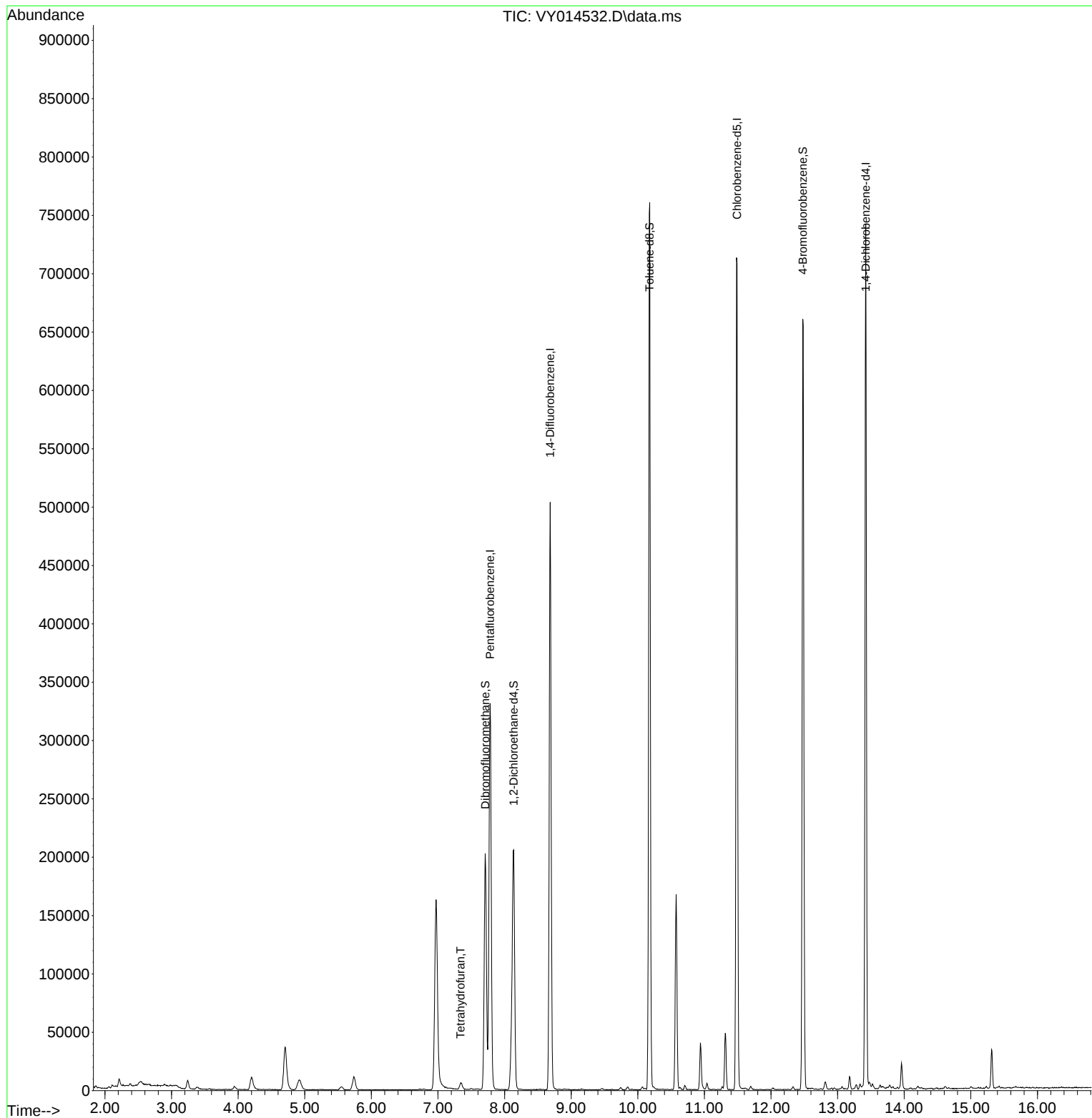
Internal Standards						
1) Pentafluorobenzene	7.783	168	292896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	457199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	441556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	207780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	149468	51.299	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.600%	
35) Dibromofluoromethane	7.710	113	144217	51.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.440%	
50) Toluene-d8	10.179	98	533693	47.952	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.900%	
62) 4-Bromofluorobenzene	12.477	95	177893	46.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.060%	
Target Compounds						
					Qvalue	
29) Tetrahydrofuran	7.338	42	4552	5.238	ug/l	# 84

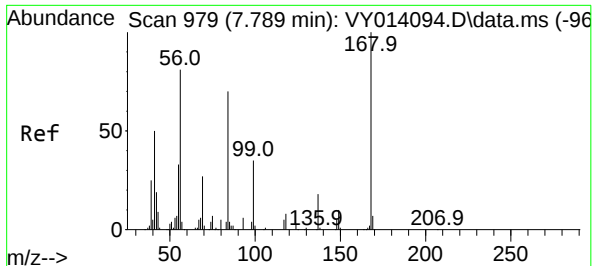
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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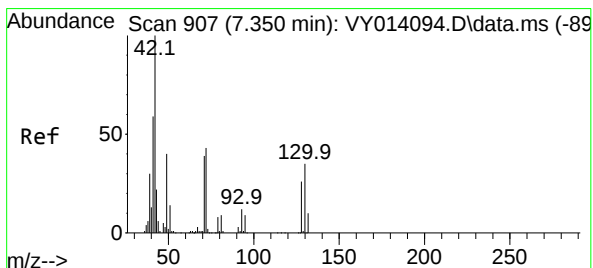
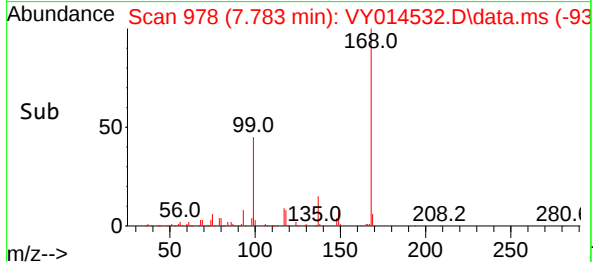
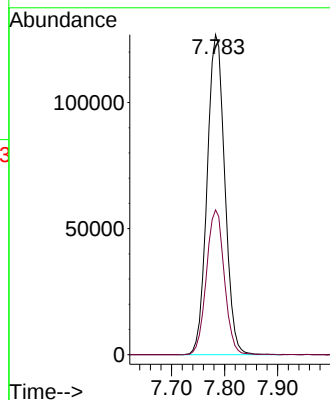
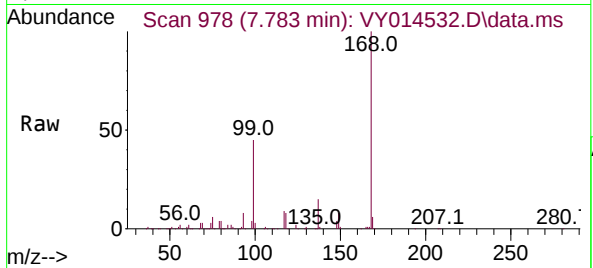




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014532.D
Acq: 03 Jul 2023 13:55

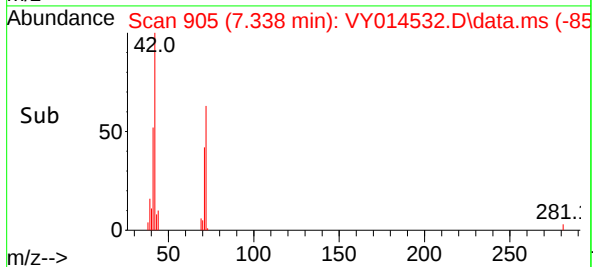
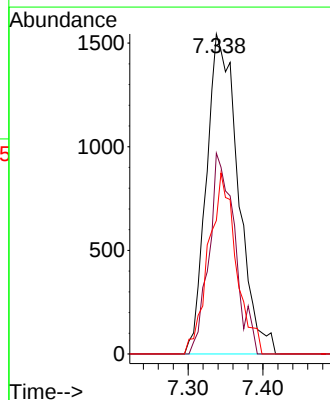
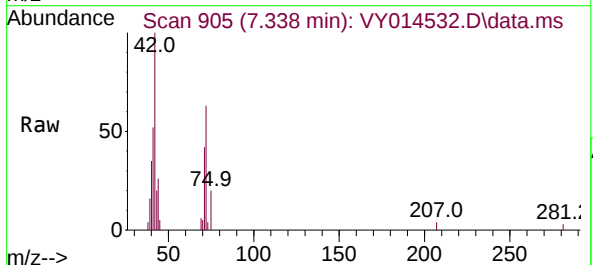
Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

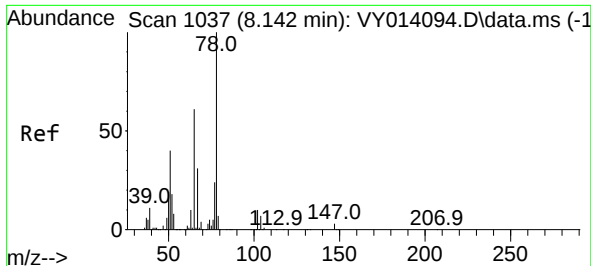
Tgt Ion:168 Resp: 292896
Ion Ratio Lower Upper
168 100
99 45.3 43.4 65.0



#29
Tetrahydrofuran
Concen: 5.238 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.012 min
Lab File: VY014532.D
Acq: 03 Jul 2023 13:55

Tgt Ion: 42 Resp: 4552
Ion Ratio Lower Upper
42 100
72 50.6 32.8 49.2#
71 49.2 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 51.299 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014532.D

Acq: 03 Jul 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

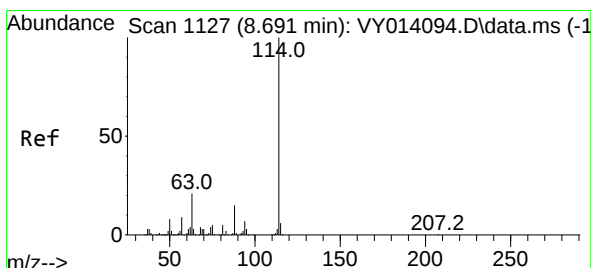
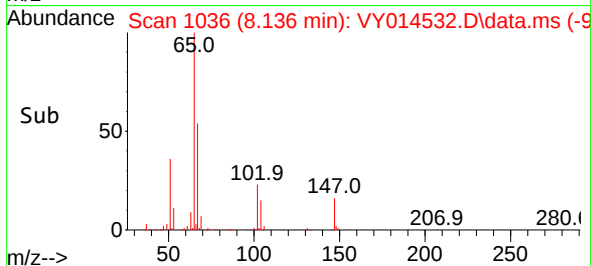
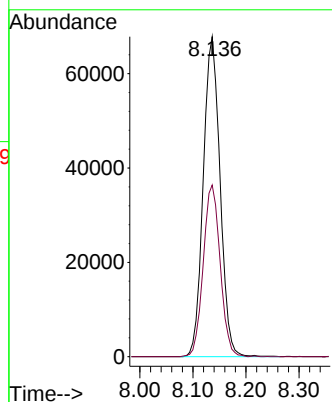
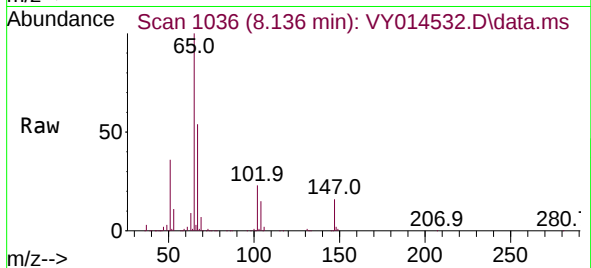
VY0703SBL01

Tgt Ion: 65 Resp: 149468

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014532.D

Acq: 03 Jul 2023 13:55

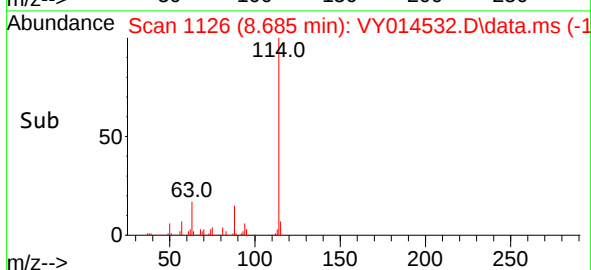
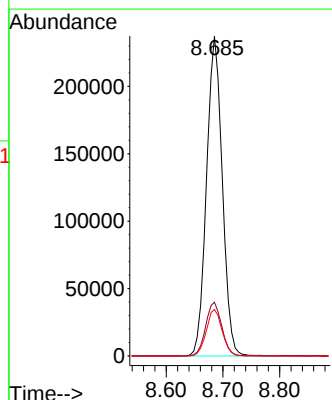
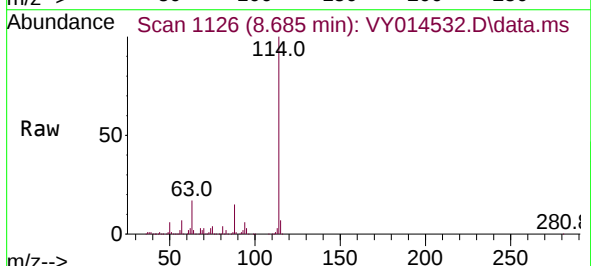
Tgt Ion:114 Resp: 457199

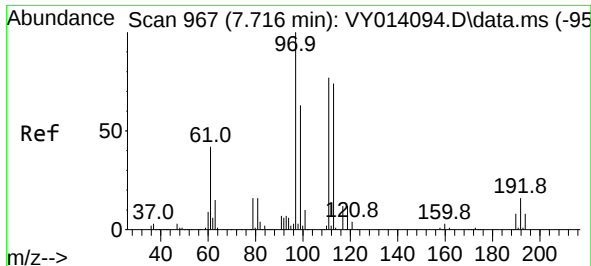
Ion Ratio Lower Upper

114 100

63 16.8 0.0 42.4

88 14.5 0.0 30.6

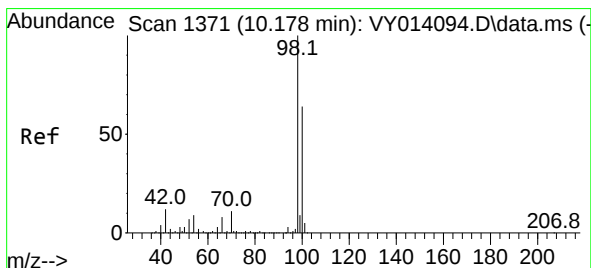
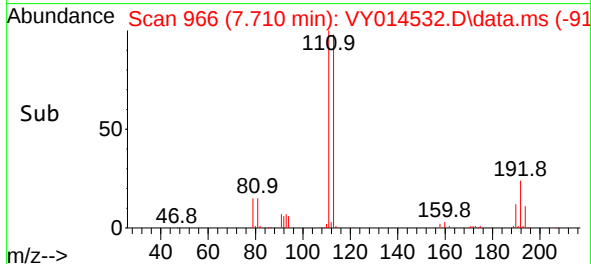
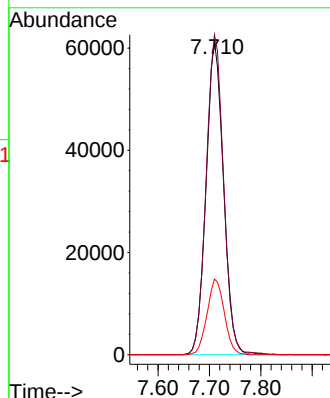
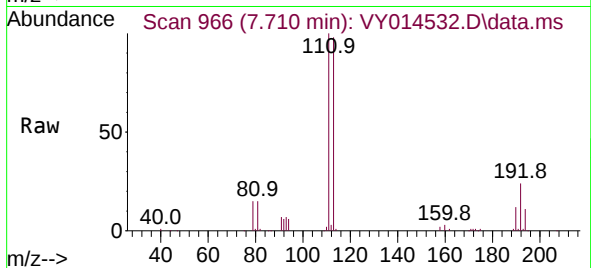




#35
Dibromofluoromethane
Concen: 51.223 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY014532.D
Acq: 03 Jul 2023 13:55

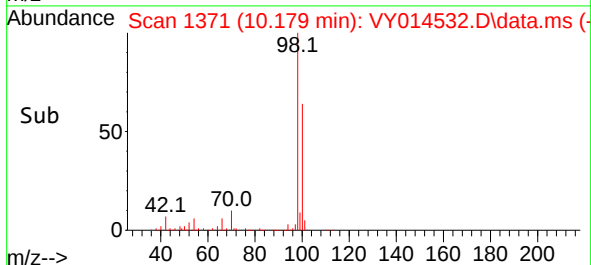
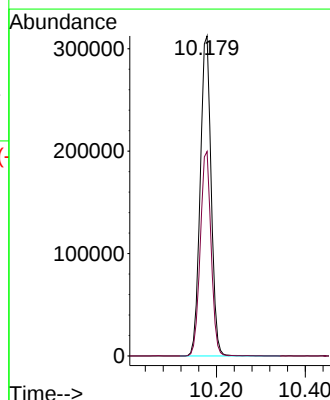
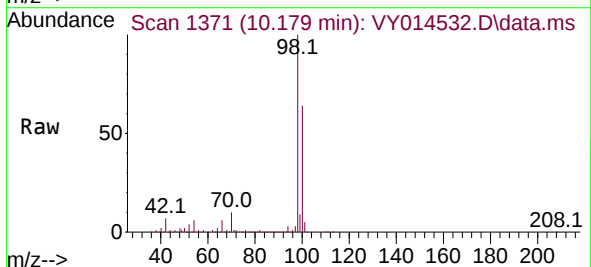
Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

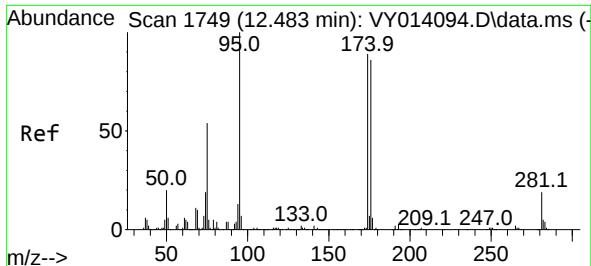
Tgt Ion:113 Resp: 144217
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 23.9 16.9 25.3



#50
Toluene-d8
Concen: 47.952 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014532.D
Acq: 03 Jul 2023 13:55

Tgt Ion: 98 Resp: 533693
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 46.030 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014532.D

Acq: 03 Jul 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0703SBL01

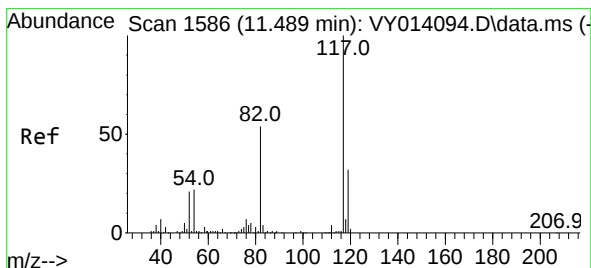
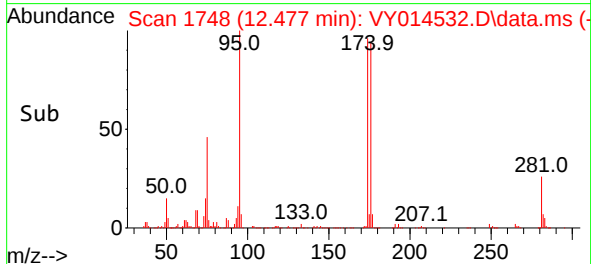
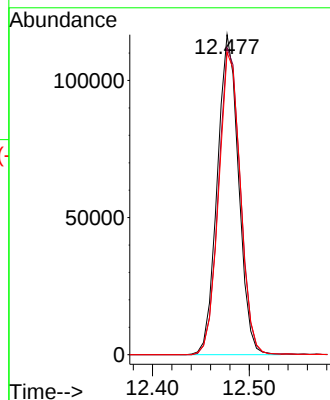
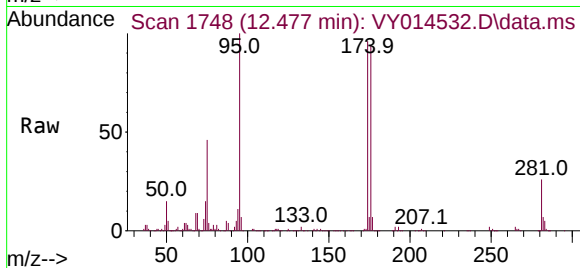
Tgt Ion: 95 Resp: 177893

Ion Ratio Lower Upper

95 100

174 98.1 0.0 178.2

176 96.4 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY014532.D

Acq: 03 Jul 2023 13:55

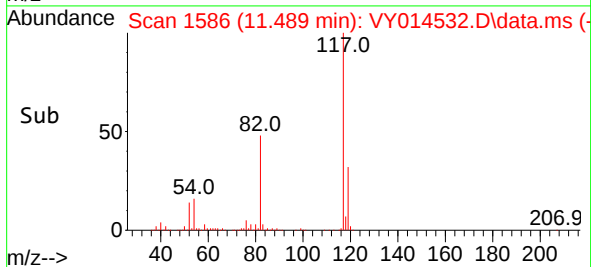
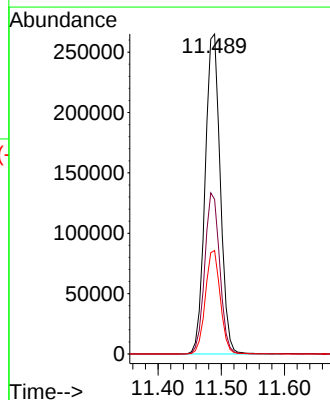
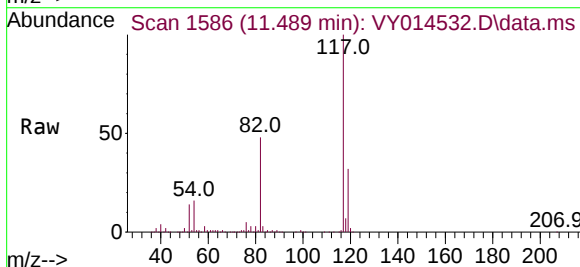
Tgt Ion: 117 Resp: 441556

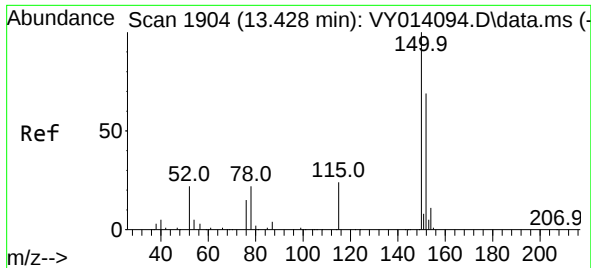
Ion Ratio Lower Upper

117 100

82 48.3 43.4 65.0

119 32.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014532.D

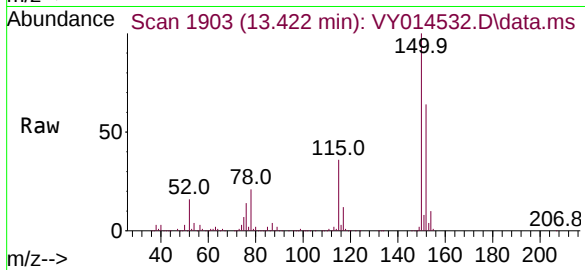
Acq: 03 Jul 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0703SBL01



Tgt Ion:152 Resp: 207780

Ion Ratio Lower Upper

152 100

115 54.3 28.8 86.5

150 156.8 0.0 348.8

