

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014547.D
 Acq On : 03 Jul 2023 19:54
 Operator : KP/MD
 Sample : 03507-01
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-1

Quant Time: Jul 04 03:06:06 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)

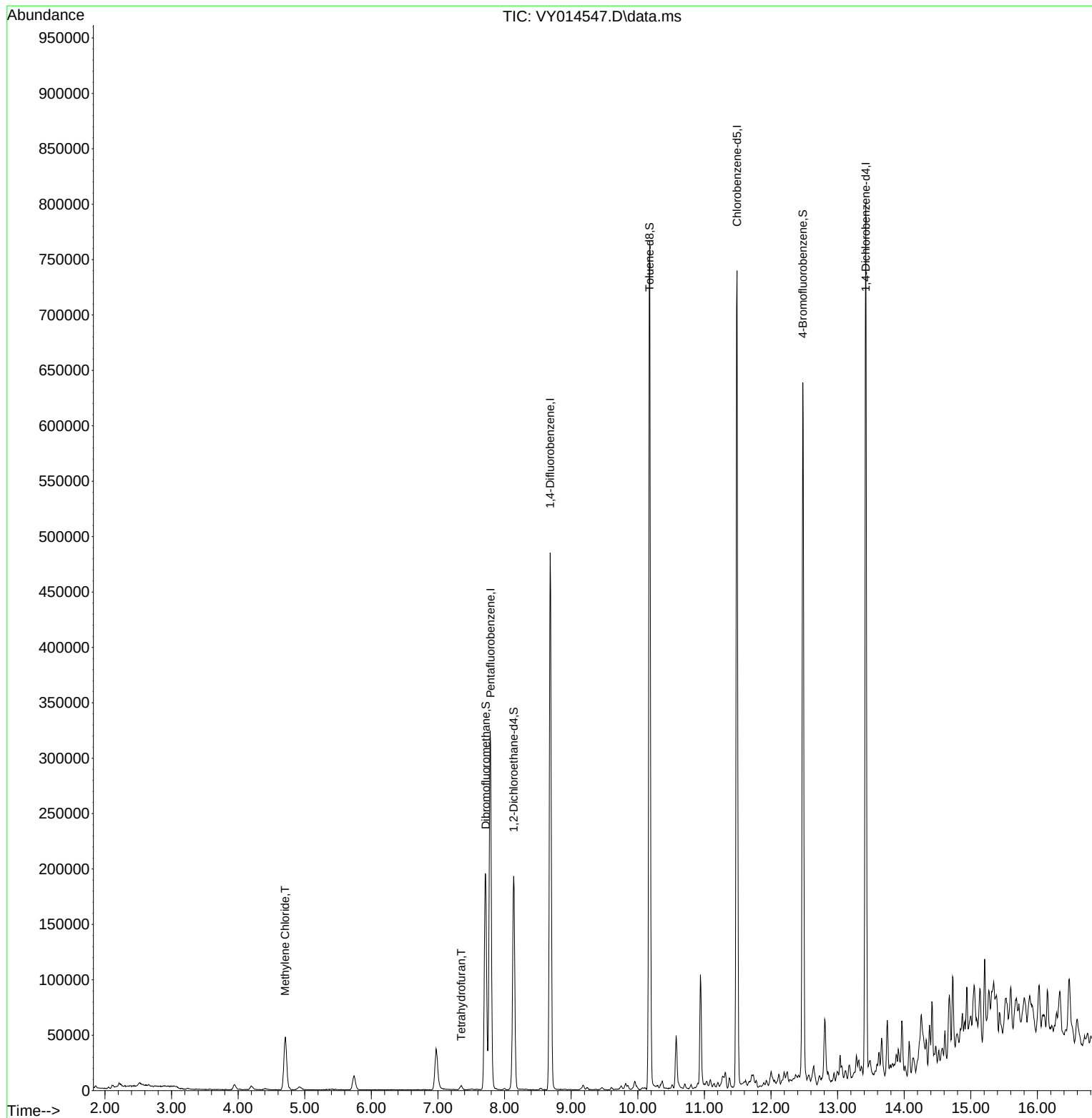
Internal Standards						
1) Pentafluorobenzene	7.789	168	280730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	444709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	444219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	222377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	152534	54.620	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.240%	
35) Dibromofluoromethane	7.716	113	143486	52.395	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.780%	
50) Toluene-d8	10.179	98	537953	49.692	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.380%	
62) 4-Bromofluorobenzene	12.477	95	189555	50.425	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.840%	
Target Compounds						
20) Methylene Chloride	4.704	84	39692	8.285	ug/l #	82
29) Tetrahydrofuran	7.350	42	2452	2.944	ug/l #	72

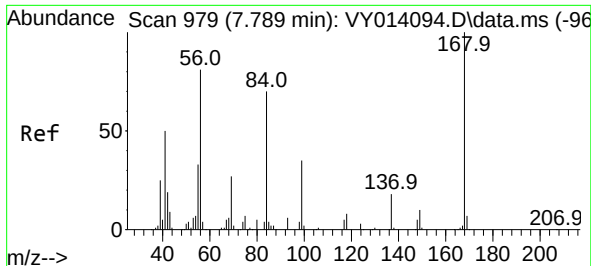
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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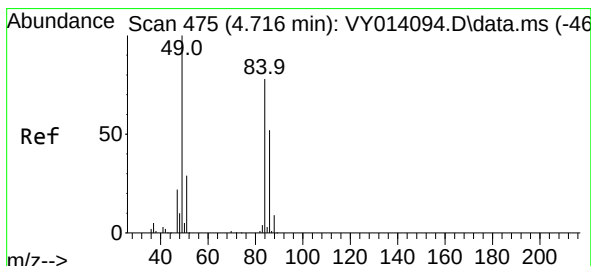
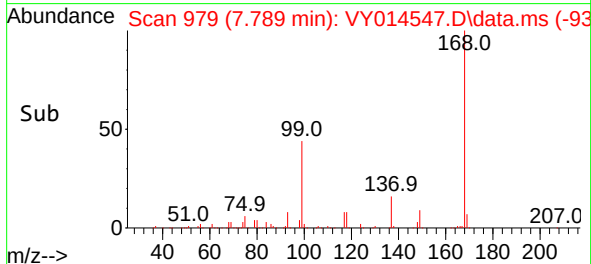
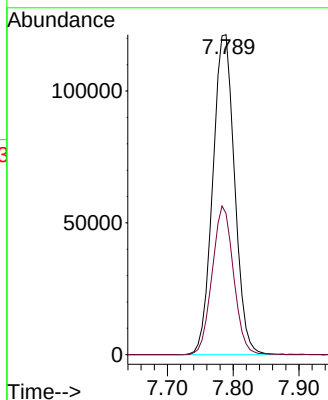
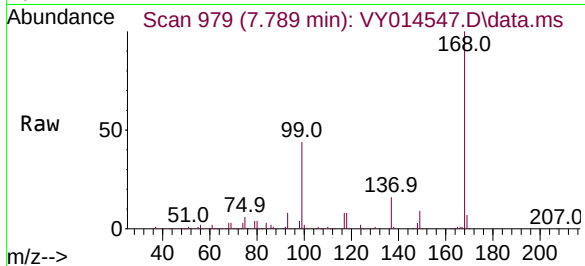




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

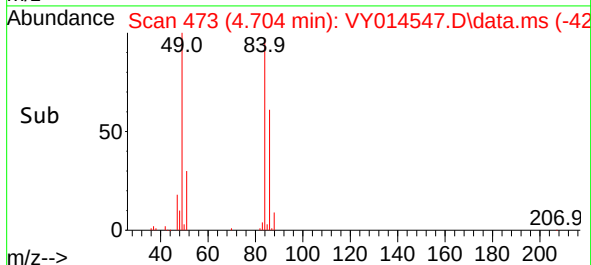
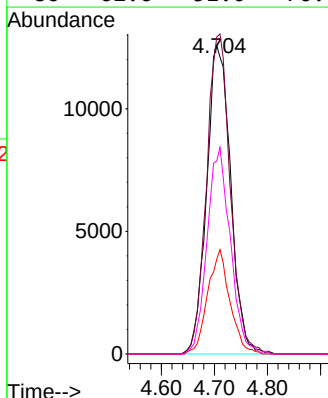
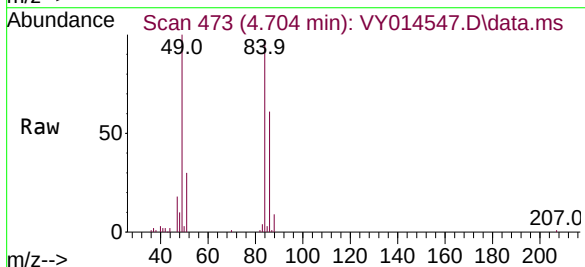
Instrument :
MSVOA_Y
ClientSampleId :
CP-1

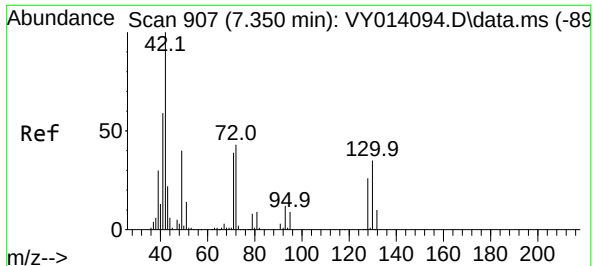
Tgt Ion:168 Resp: 280730
Ion Ratio Lower Upper
168 100
99 44.1 43.4 65.0



#20
Methylene Chloride
Concen: 8.285 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

Tgt Ion: 84 Resp: 39692
Ion Ratio Lower Upper
84 100
49 102.8 106.9 160.3#
51 30.7 33.2 49.8#
86 62.6 51.0 76.6





#29

Tetrahydrofuran

Concen: 2.944 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY014547.D

Acq: 03 Jul 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

CP-1

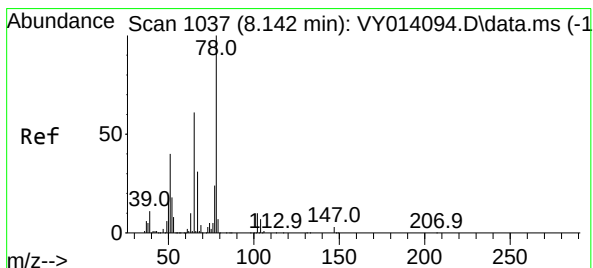
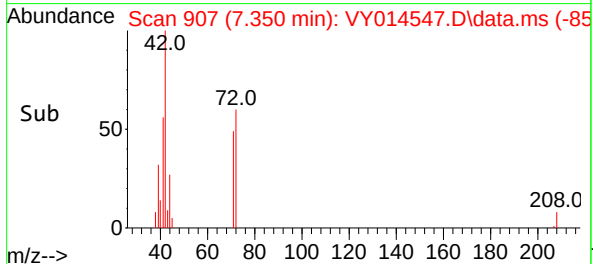
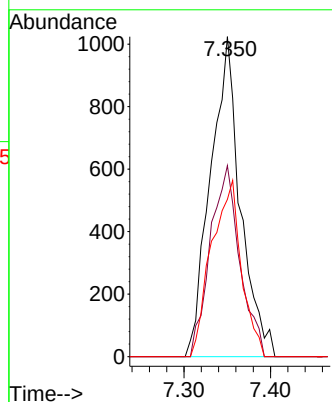
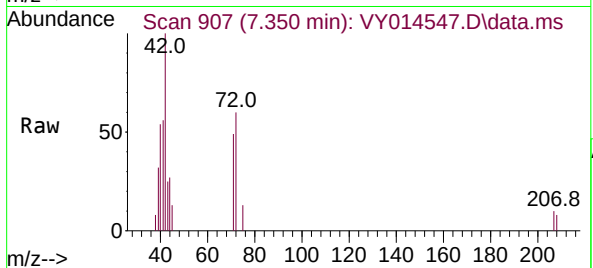
Tgt Ion: 42 Resp: 2452

Ion Ratio Lower Upper

42 100

72 59.0 32.8 49.2#

71 55.0 31.0 46.4#



#33

1,2-Dichloroethane-d4

Concen: 54.620 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.005 min

Lab File: VY014547.D

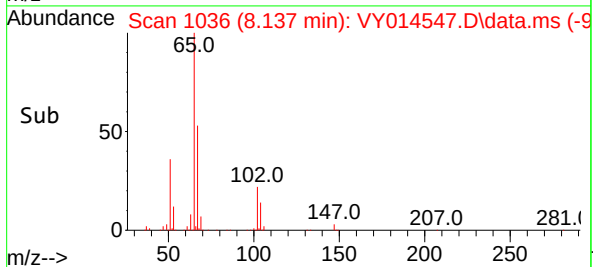
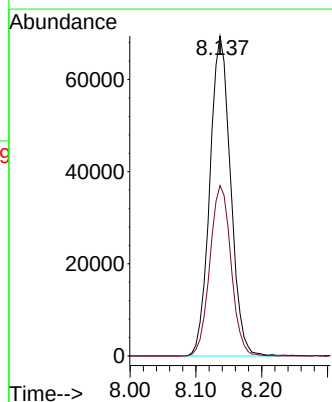
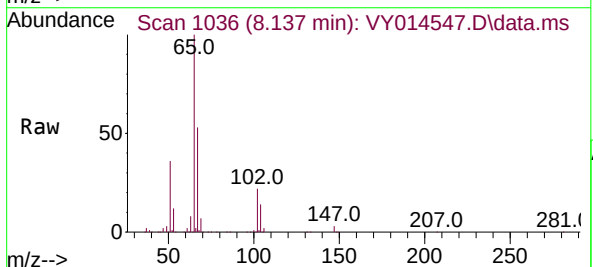
Acq: 03 Jul 2023 19:54

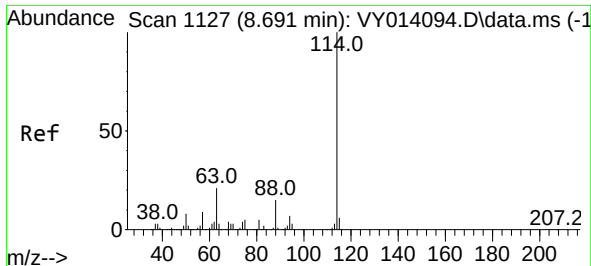
Tgt Ion: 65 Resp: 152534

Ion Ratio Lower Upper

65 100

67 54.3 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: VY014547.D

Acq: 03 Jul 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

CP-1

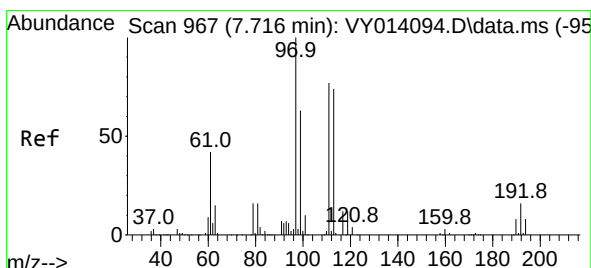
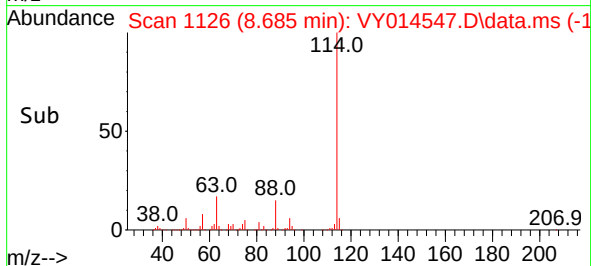
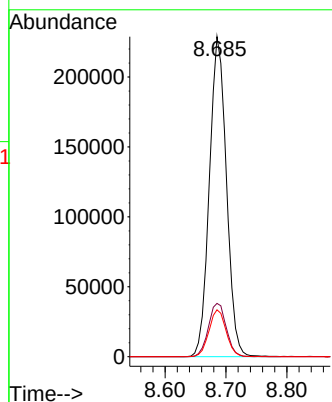
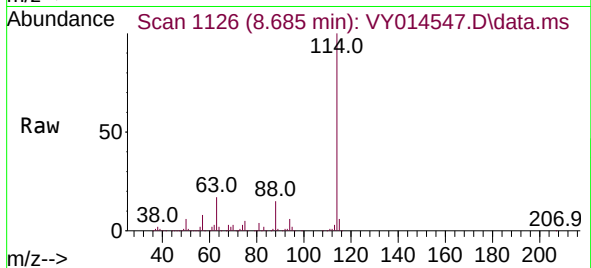
Tgt Ion:114 Resp: 444709

Ion Ratio Lower Upper

114 100

63 16.7 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.395 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014547.D

Acq: 03 Jul 2023 19:54

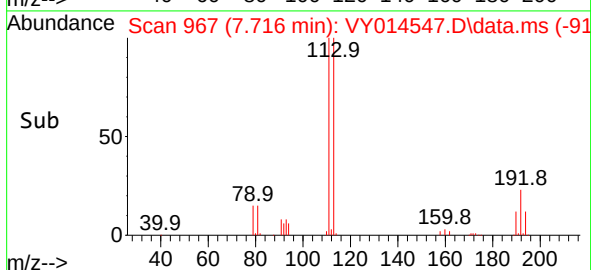
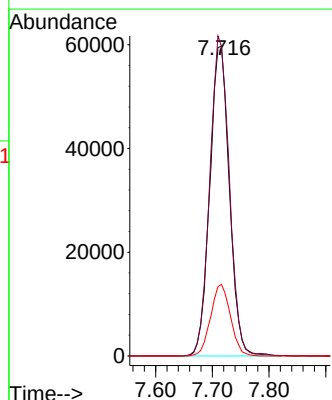
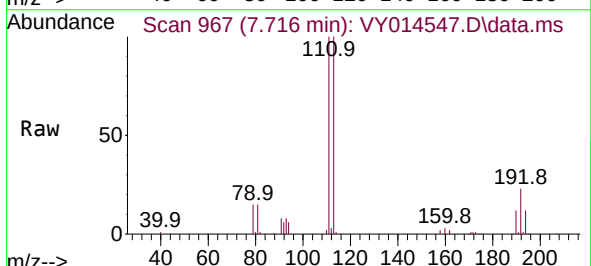
Tgt Ion:113 Resp: 143486

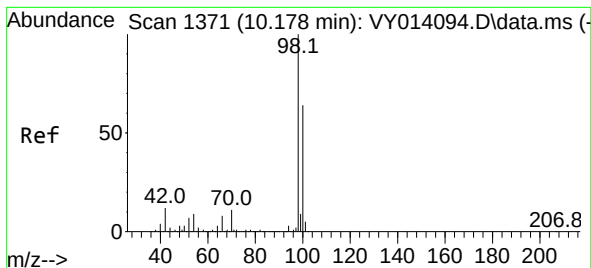
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 23.3 16.9 25.3





#50

Toluene-d8

Concen: 49.692 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014547.D

Acq: 03 Jul 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

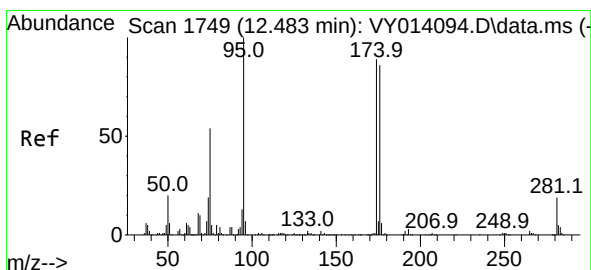
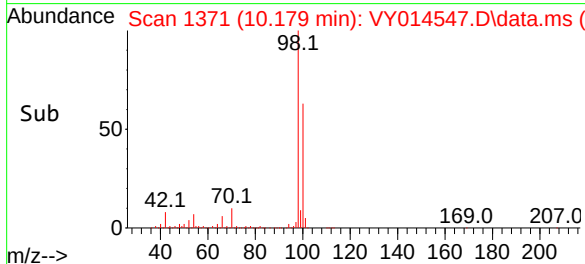
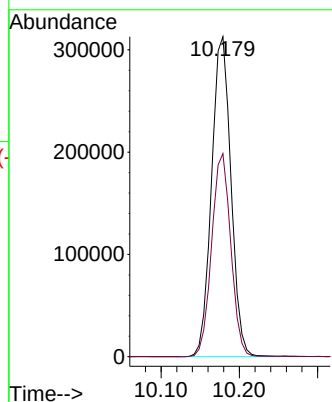
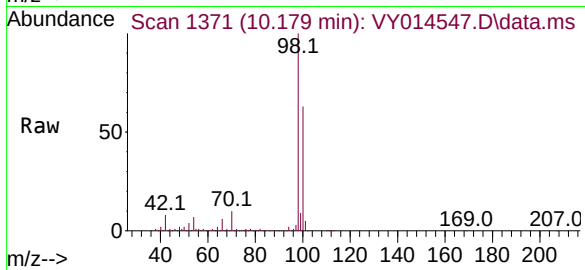
CP-1

Tgt Ion: 98 Resp: 537953

Ion Ratio Lower Upper

98 100

100 62.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.425 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014547.D

Acq: 03 Jul 2023 19:54

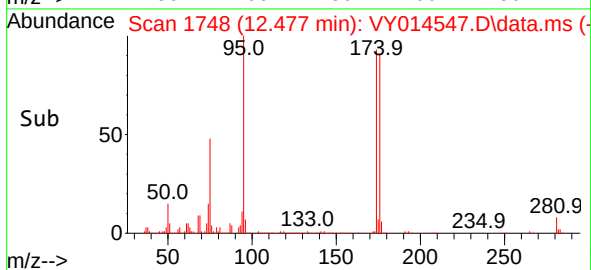
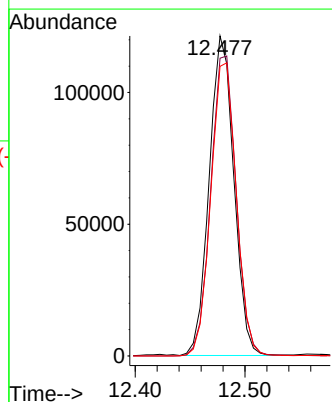
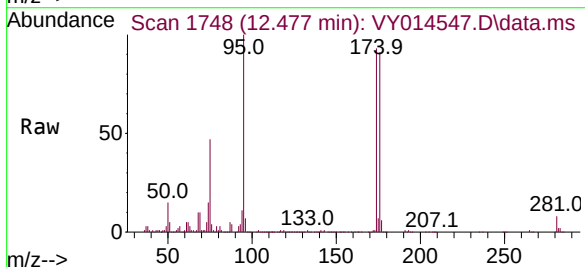
Tgt Ion: 95 Resp: 189555

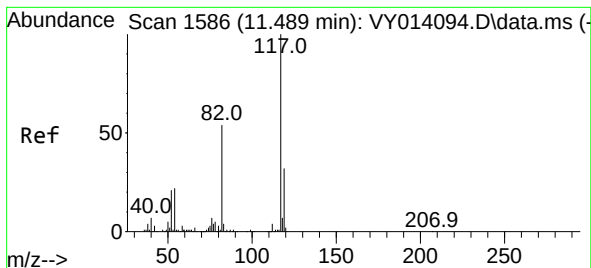
Ion Ratio Lower Upper

95 100

174 96.9 0.0 178.2

176 94.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014547.D

Acq: 03 Jul 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

CP-1

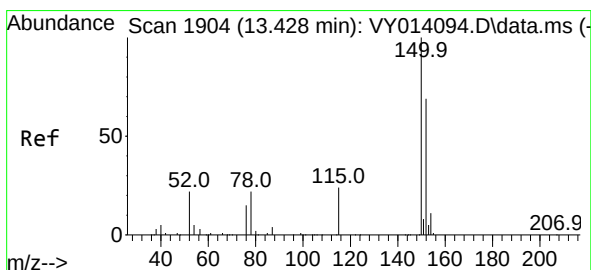
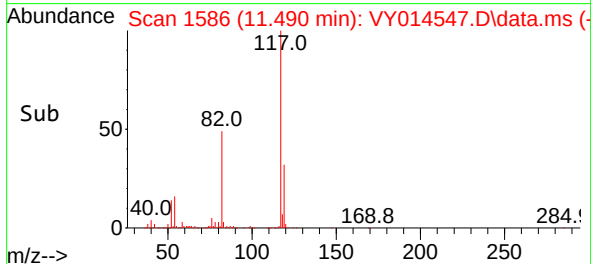
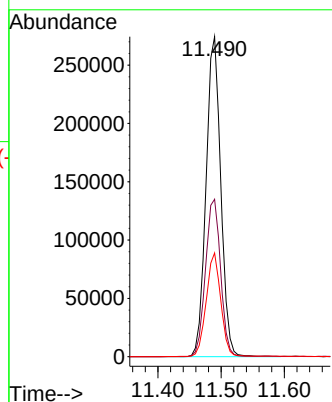
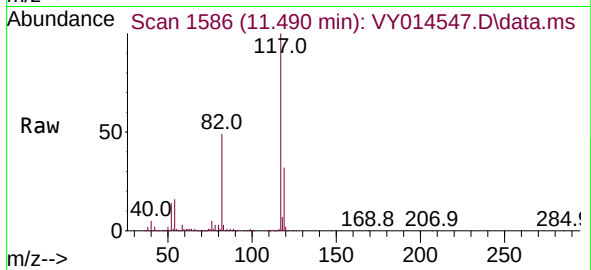
Tgt Ion:117 Resp: 444219

Ion Ratio Lower Upper

117 100

82 49.1 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: VY014547.D

Acq: 03 Jul 2023 19:54

Tgt Ion:152 Resp: 222377

Ion Ratio Lower Upper

152 100

115 53.5 28.8 86.5

150 154.7 0.0 348.8

