

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012878.D
 Acq On : 08 Mar 2023 17:59
 Operator : KP/MD
 Sample : 01829-08
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-08-20230306

Quant Time: Mar 09 00:38:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

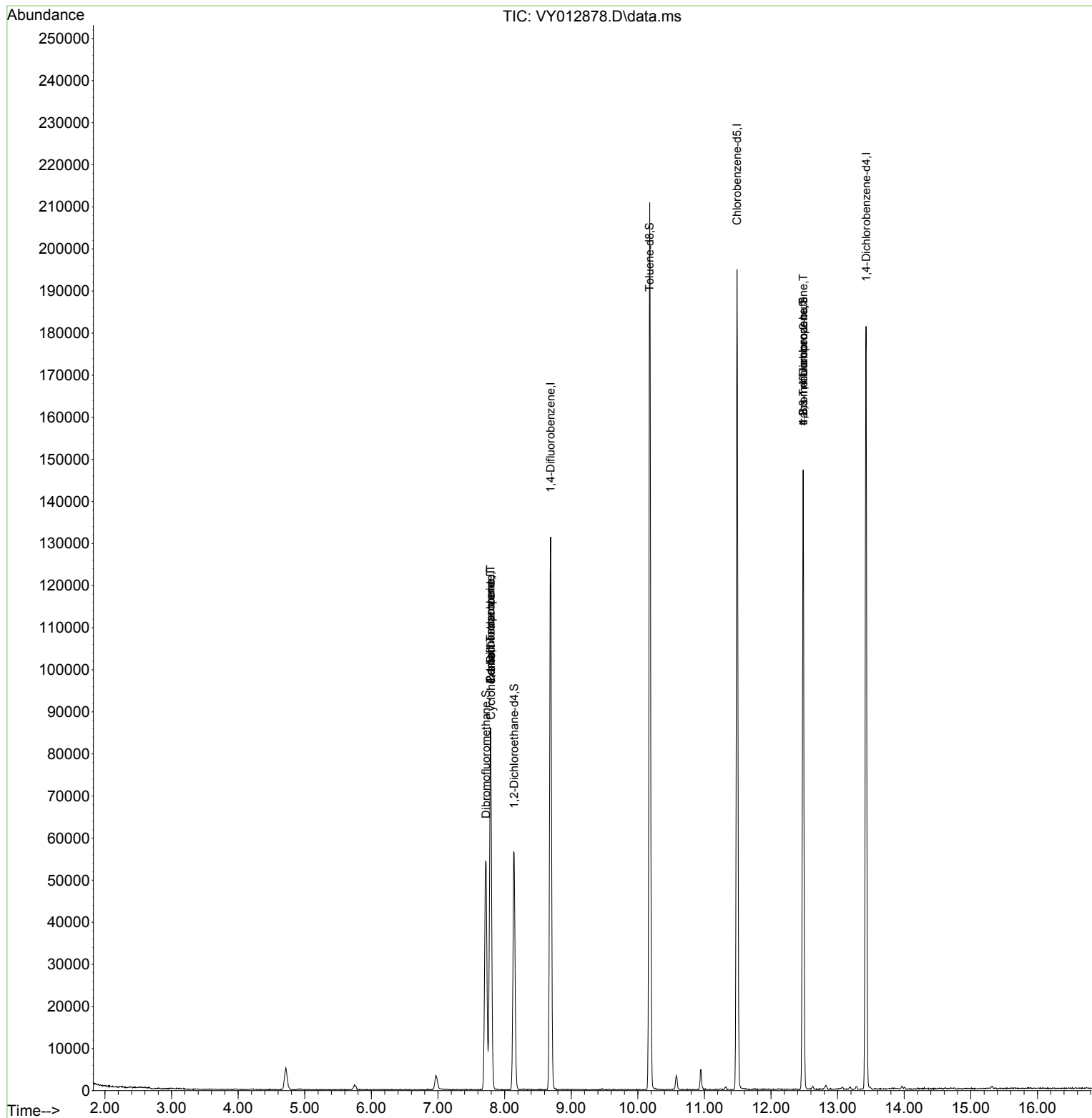
Internal Standards						
1) Pentafluorobenzene	7.789	168	66460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	110197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	102184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	46541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	43948	66.602	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.200%	
35) Dibromofluoromethane	7.722	113	38956	58.577	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.160%	
50) Toluene-d8	10.179	98	133775	55.023	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.040%	
62) 4-Bromofluorobenzene	12.483	95	41285	50.310	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.620%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	87	Below Cal	#	74
20) Methylene Chloride	4.716	84	3831	Below Cal		94
31) Cyclohexane	7.795	56	1378	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	4971	4.460	ug/l #	49
38) Carbon Tetrachloride	7.789	117	6417	5.576	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	21309	38.341	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	21309	79.444	ug/l #	13

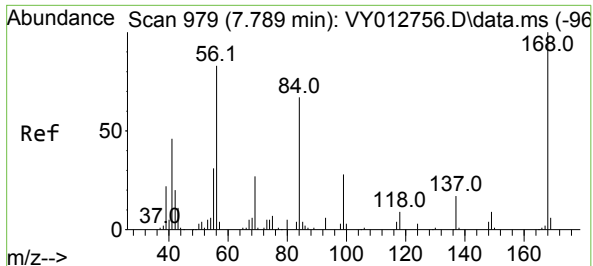
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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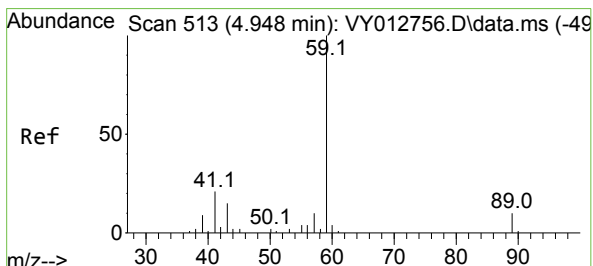
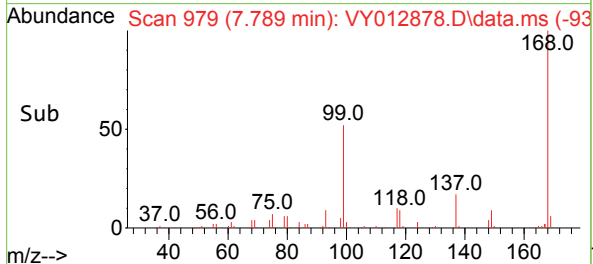
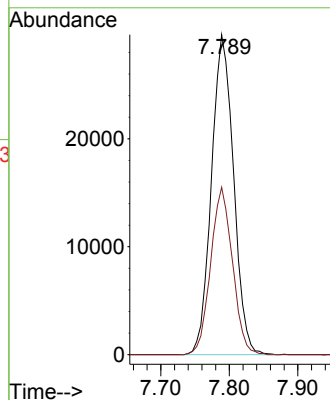
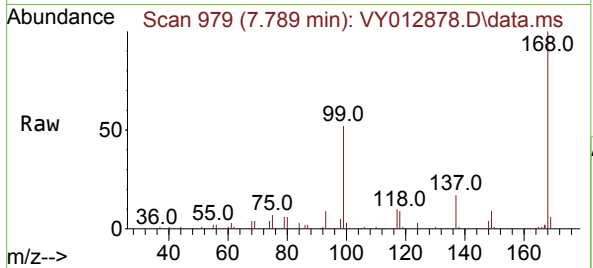




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012878.D
Acq: 08 Mar 2023 17:59

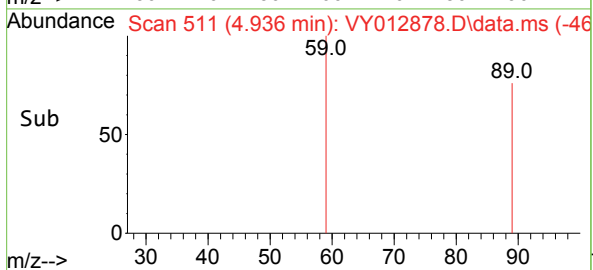
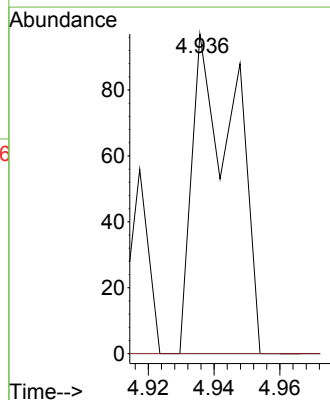
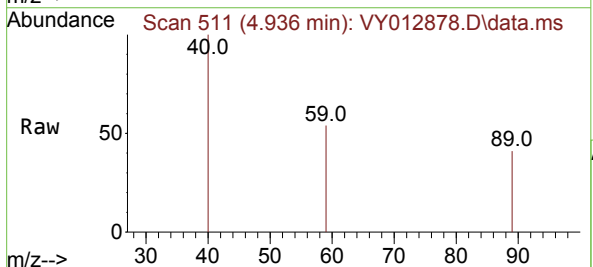
Instrument :
MSVOA_Y
ClientSampleId :
SS-08-20230306

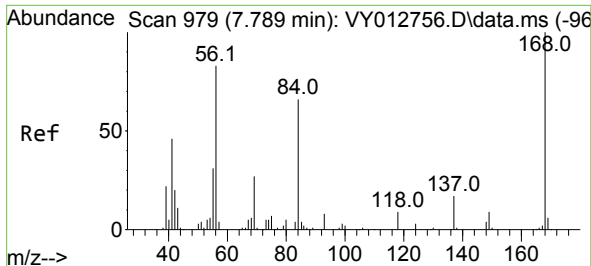
Tgt Ion:168 Resp: 66460
Ion Ratio Lower Upper
168 100
99 52.3 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012878.D
Acq: 08 Mar 2023 17:59

Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 7.795 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012878.D

Acq: 08 Mar 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

SS-08-20230306

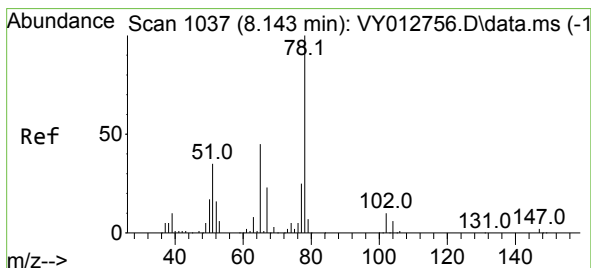
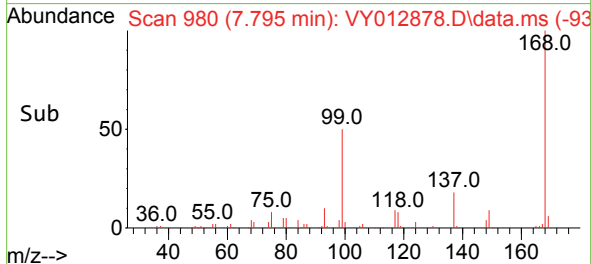
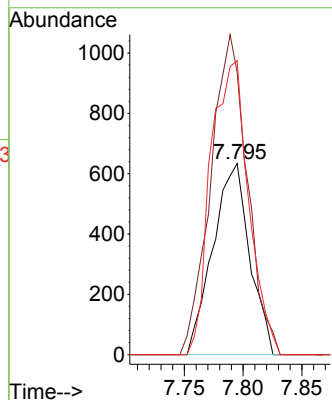
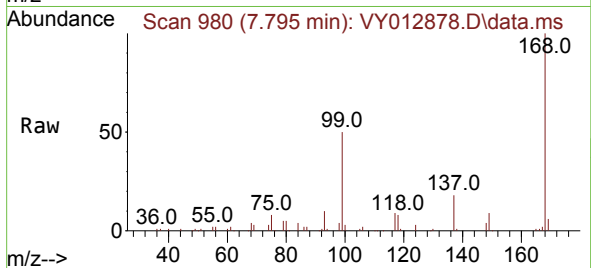
Tgt Ion: 56 Resp: 1378

Ion Ratio Lower Upper

56 100

69 147.6 25.7 38.5#

84 153.8 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 66.602 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012878.D

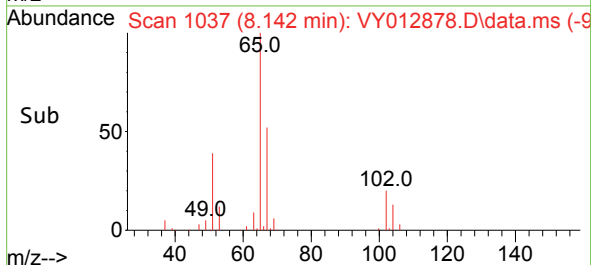
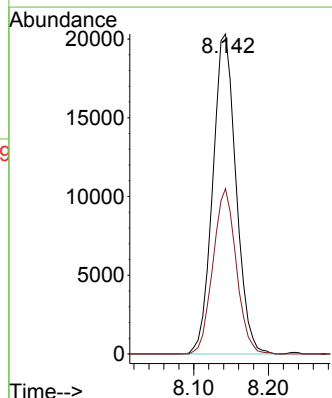
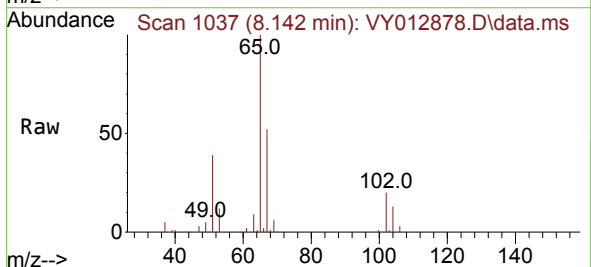
Acq: 08 Mar 2023 17:59

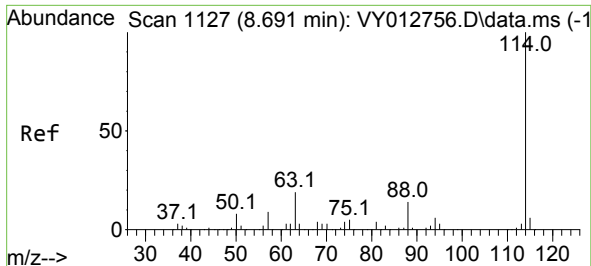
Tgt Ion: 65 Resp: 43948

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012878.D

Acq: 08 Mar 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

SS-08-20230306

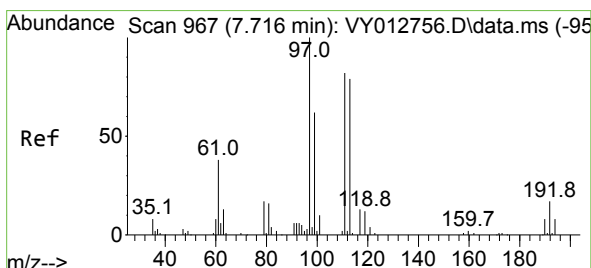
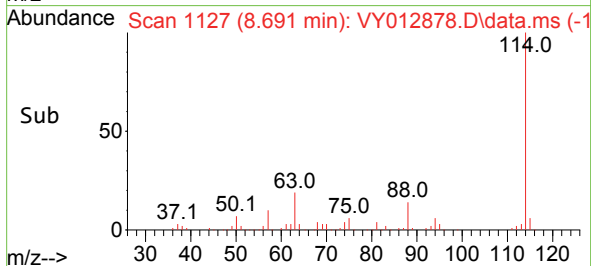
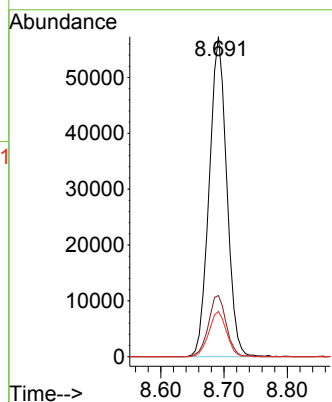
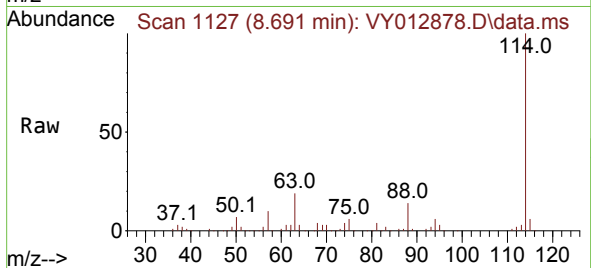
Tgt Ion:114 Resp: 110197

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 14.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 58.577 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012878.D

Acq: 08 Mar 2023 17:59

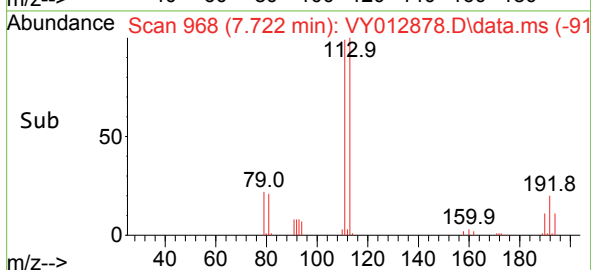
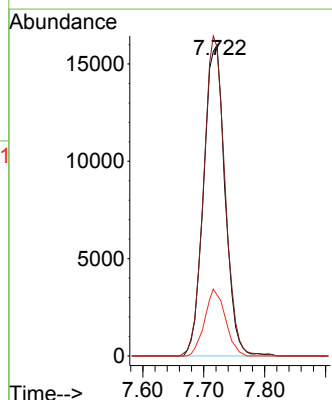
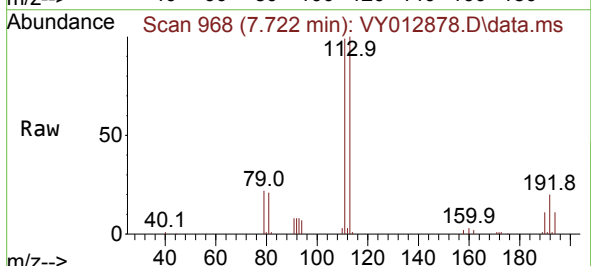
Tgt Ion:113 Resp: 38956

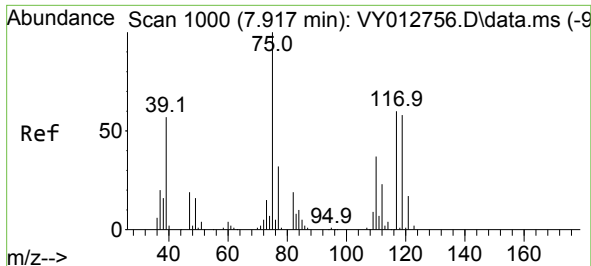
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 20.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.460 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012878.D

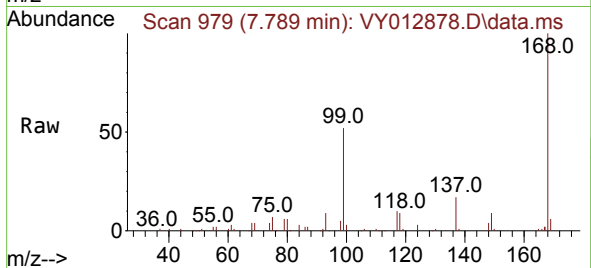
Acq: 08 Mar 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

SS-08-20230306



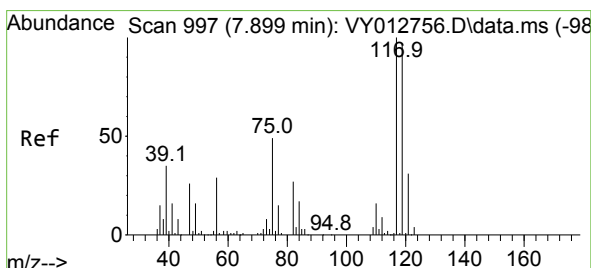
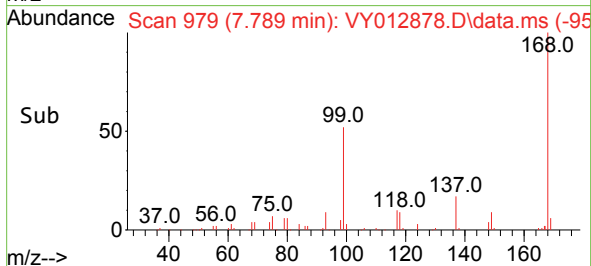
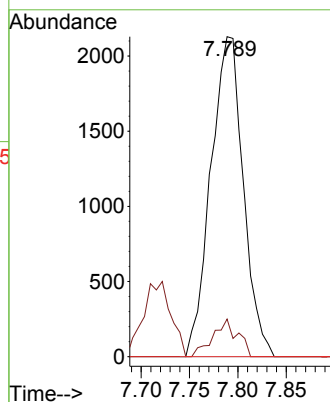
Tgt Ion: 75 Resp: 4971

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.576 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012878.D

Acq: 08 Mar 2023 17:59

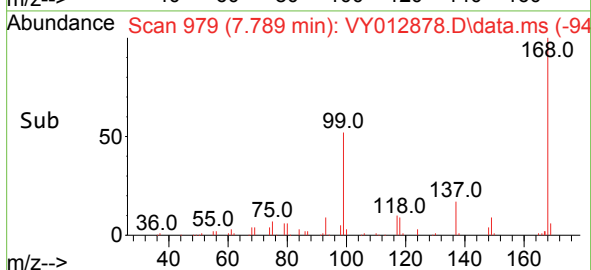
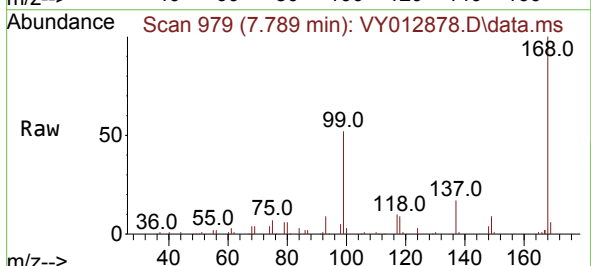
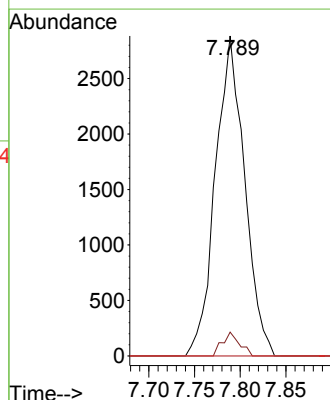
Tgt Ion: 117 Resp: 6417

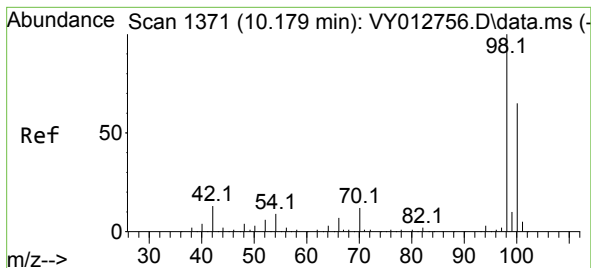
Ion Ratio Lower Upper

117 100

119 7.5 77.2 115.8#

121 0.0 24.7 37.1#

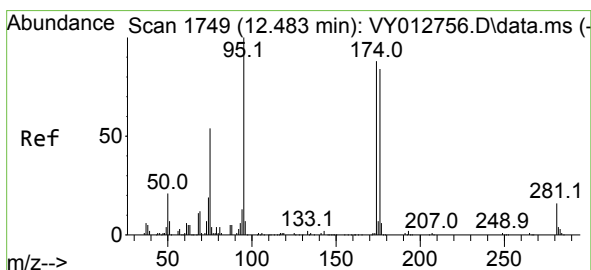
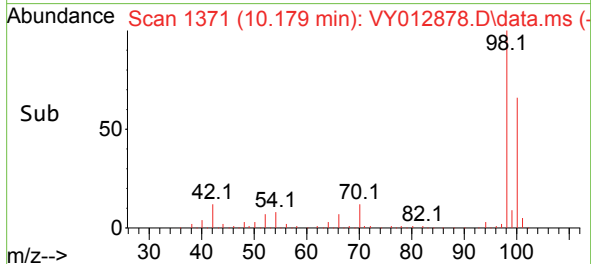
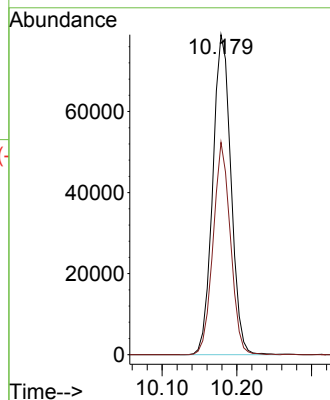
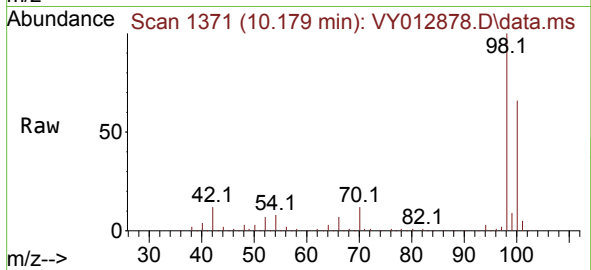




#50
Toluene-d8
Concen: 55.023 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012878.D
Acq: 08 Mar 2023 17:59

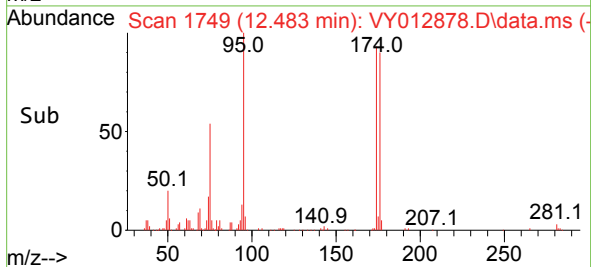
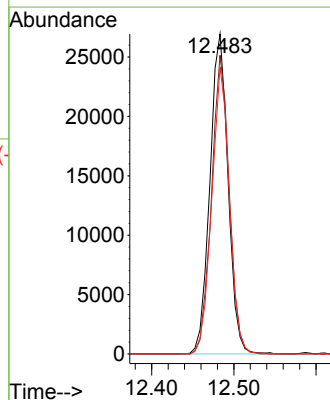
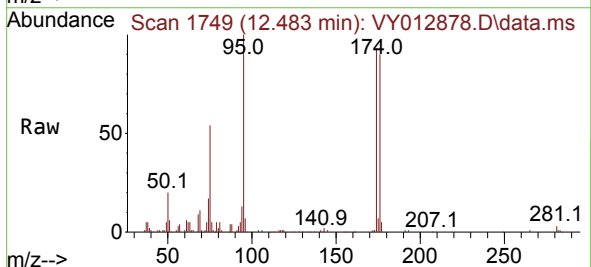
Instrument :
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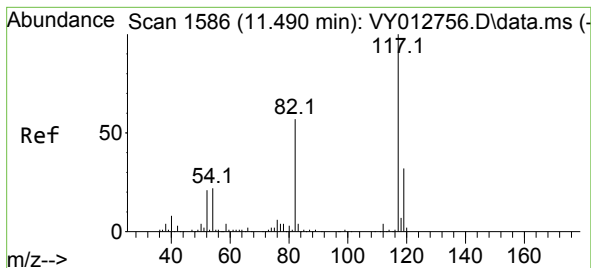
Tgt Ion: 98 Resp: 133775
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 50.310 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012878.D
Acq: 08 Mar 2023 17:59

Tgt Ion: 95 Resp: 41285
Ion Ratio Lower Upper
95 100
174 91.5 0.0 176.6
176 87.1 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012878.D

Acq: 08 Mar 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

SS-08-20230306

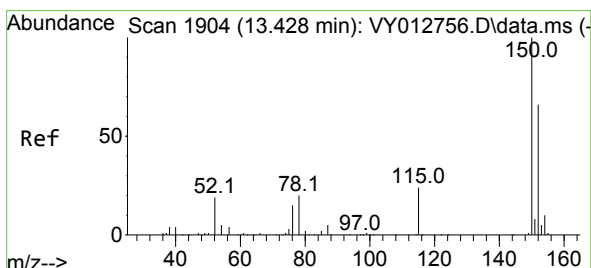
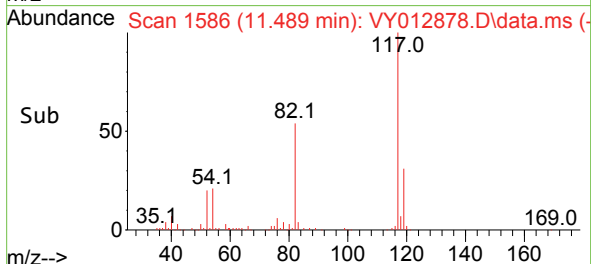
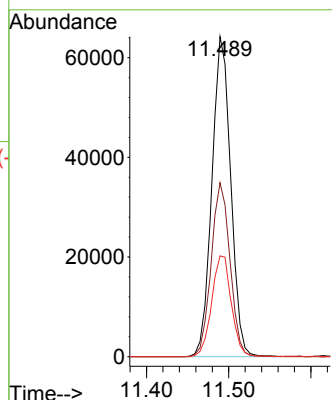
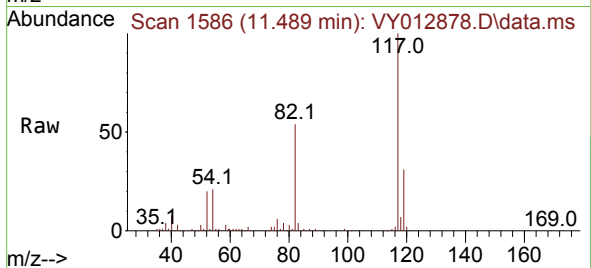
Tgt Ion:117 Resp: 102184

Ion Ratio Lower Upper

117 100

82 54.4 45.4 68.0

119 31.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012878.D

Acq: 08 Mar 2023 17:59

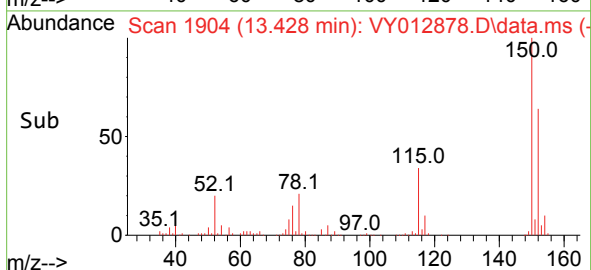
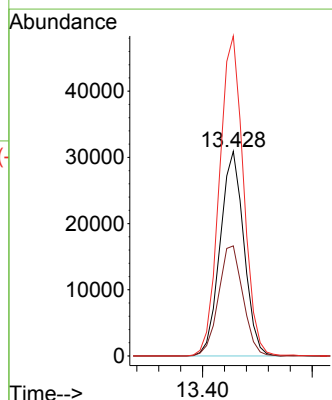
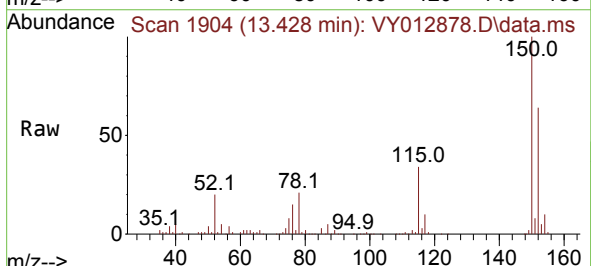
Tgt Ion:152 Resp: 46541

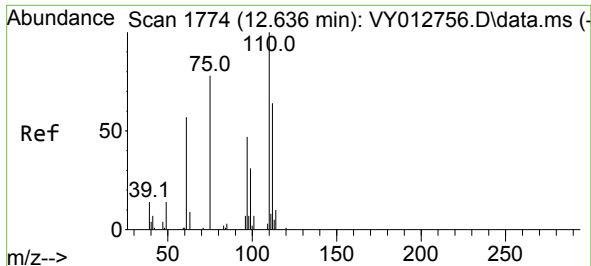
Ion Ratio Lower Upper

152 100

115 55.5 27.1 81.3

150 158.6 0.0 347.8

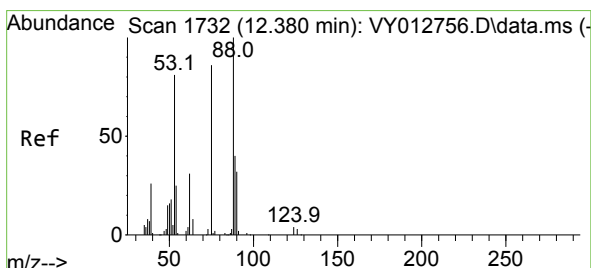
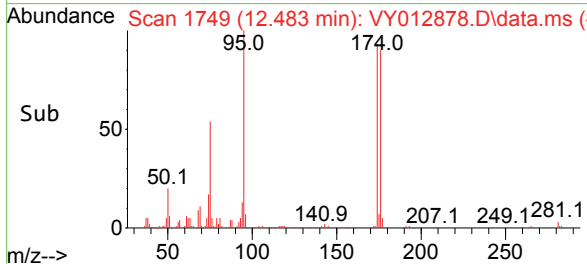
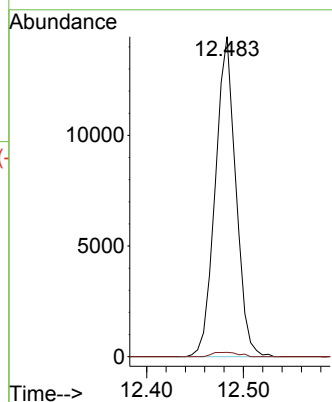
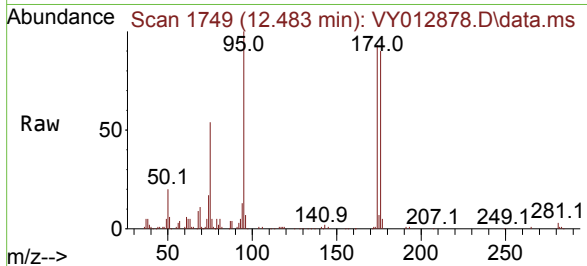




#76
1,2,3-Trichloropropane
Concen: 38.341 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012878.D
Acq: 08 Mar 2023 17:59

Instrument :
MSVOA_Y
ClientSampleId :
SS-08-20230306

Tgt Ion: 75 Resp: 21309
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.444 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012878.D
Acq: 08 Mar 2023 17:59

Tgt Ion: 75 Resp: 21309
Ion Ratio Lower Upper
75 100
53 0.2 73.4 110.0#
89 0.0 36.6 55.0#

