

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031723\
 Data File : VY012994.D
 Acq On : 17 Mar 2023 18:09
 Operator : KP/MD
 Sample : 01954-09
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 05:48:42 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)

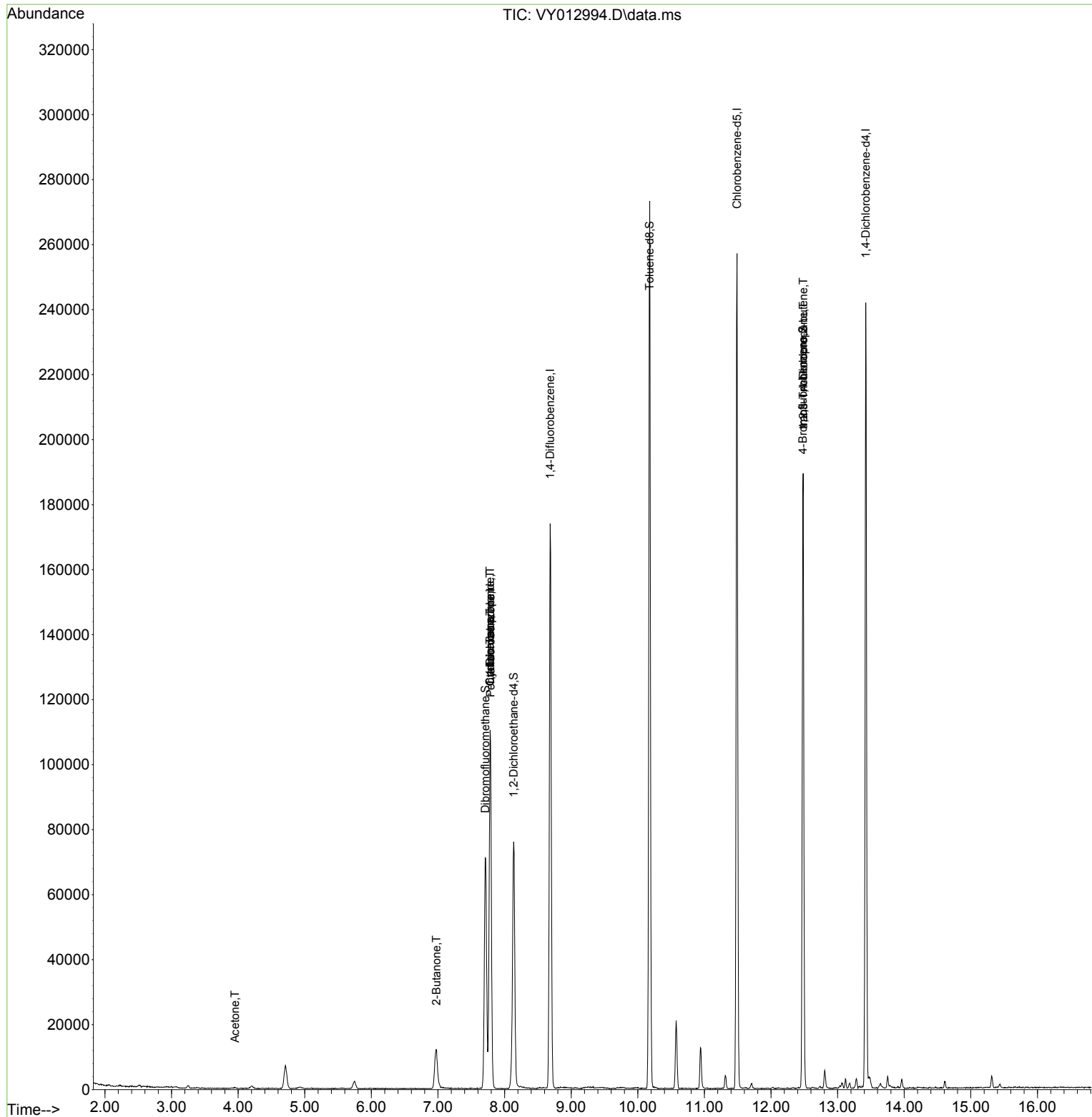
Internal Standards						
1) Pentafluorobenzene	7.789	168	84334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	145103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	133111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	58854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	56293	67.229	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.460%
35) Dibromofluoromethane	7.709	113	50200	57.326	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.660%
50) Toluene-d8	10.179	98	173736	54.269	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.540%
62) 4-Bromofluorobenzene	12.477	95	53318	49.344	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.680%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.936	59	604	Below Cal	#	74
16) Acetone	3.954	43	512	1.558	ug/l	93
20) Methylene Chloride	4.710	84	4973	Below Cal		95
25) 2-Butanone	6.978	43	661	1.624	ug/l #	49
31) Cyclohexane	7.783	56	1863	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	6700	4.566	ug/l #	49
38) Carbon Tetrachloride	7.783	117	8383	5.532	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	29263	41.637	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	29263	86.273	ug/l #	13

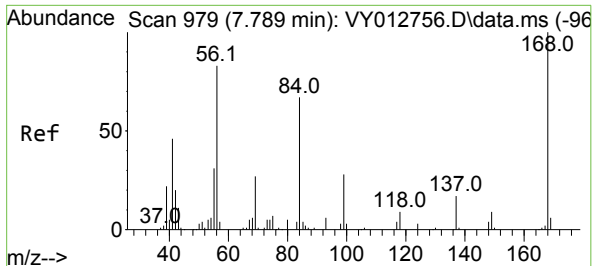
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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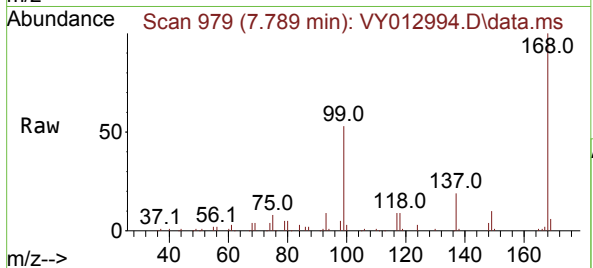
Quant Time: Mar 18 05:48:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
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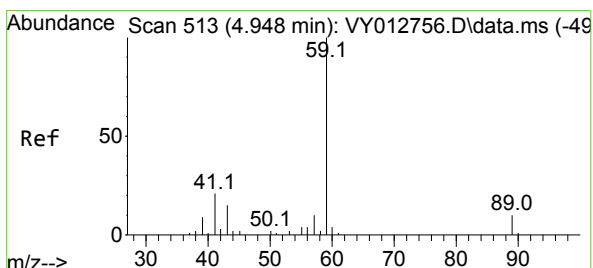
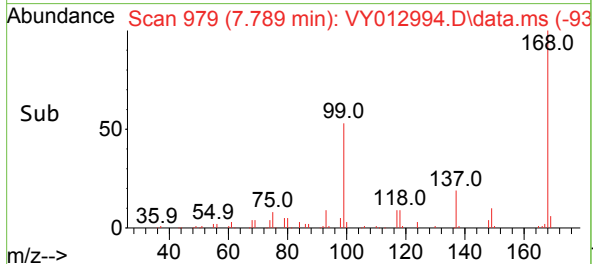
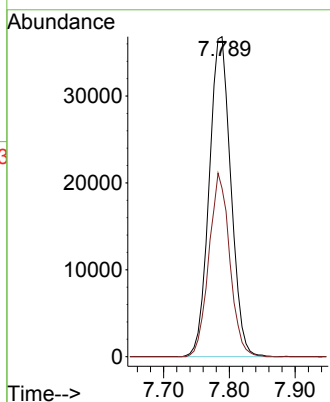


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

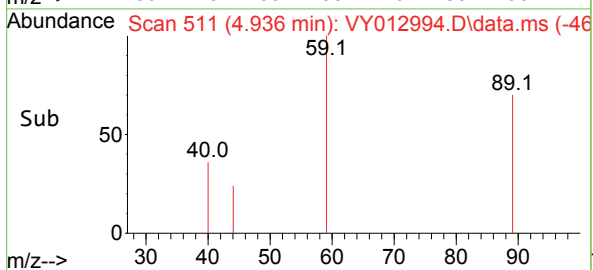
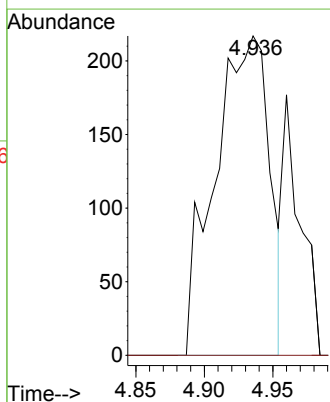
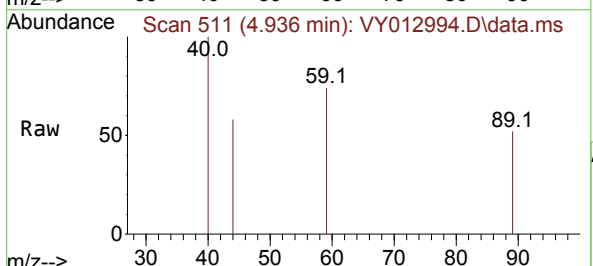


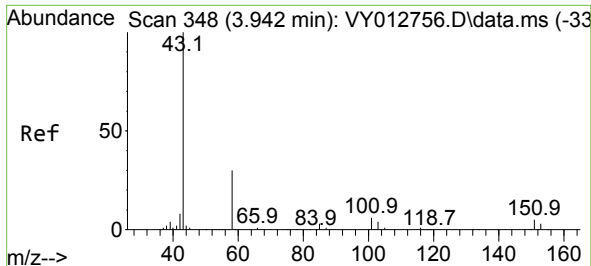
Tgt Ion:168 Resp: 84334
Ion Ratio Lower Upper
168 100
99 52.6 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

Tgt Ion: 59 Resp: 604
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

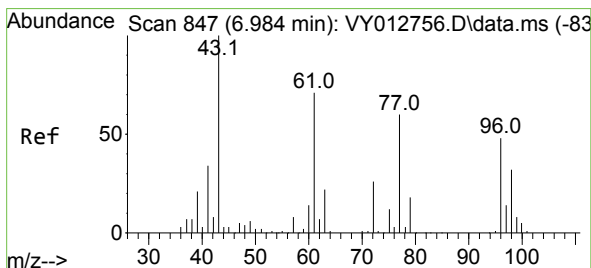
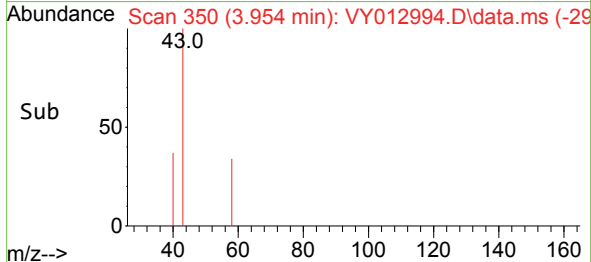
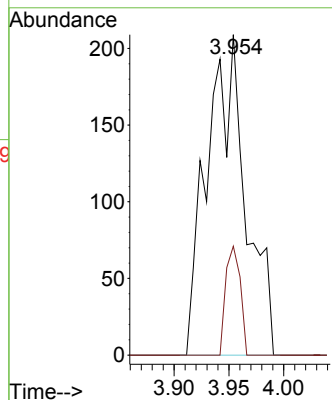
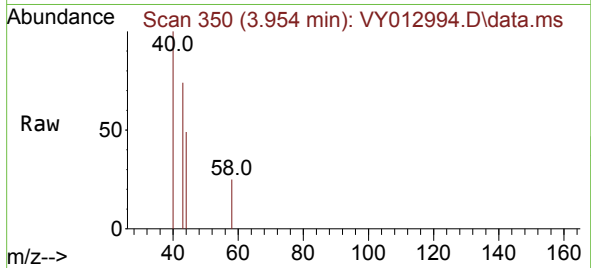




#16
Acetone
Concen: 1.558 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

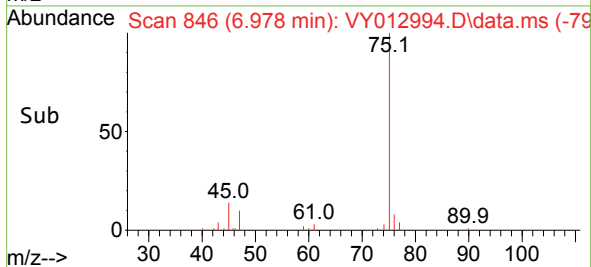
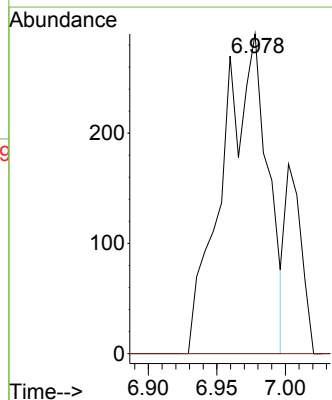
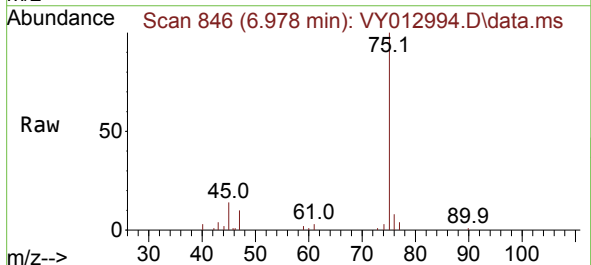
Instrument :
MSVOA_Y
ClientSampleId :

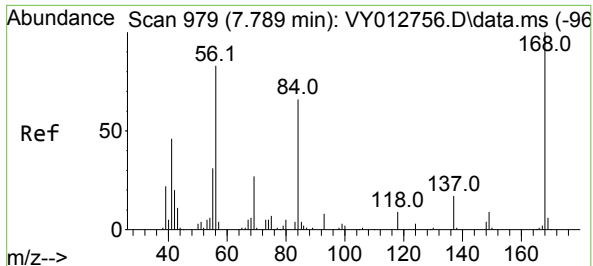
Tgt Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
58 34.0 24.2 36.2



#25
2-Butanone
Concen: 1.624 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

Tgt Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

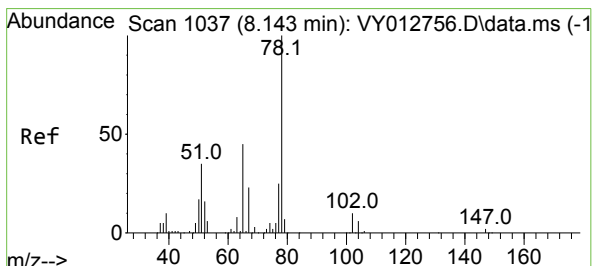
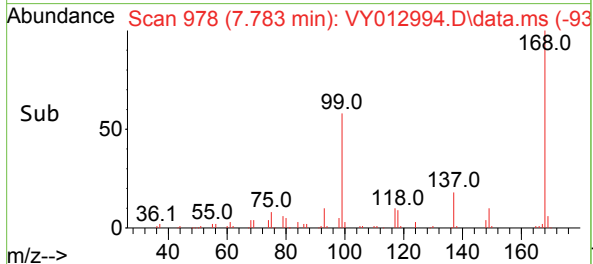
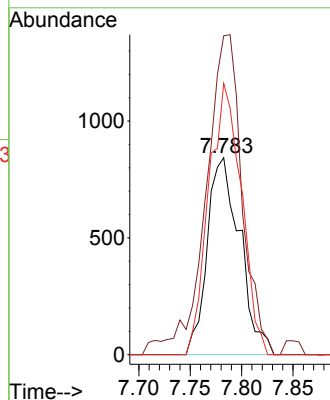
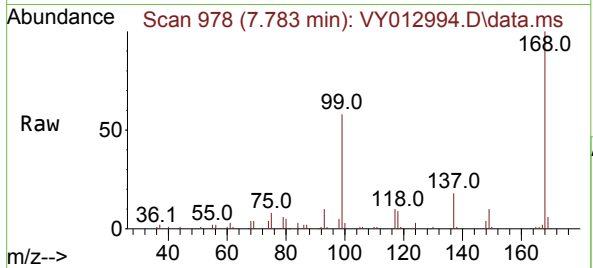




#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

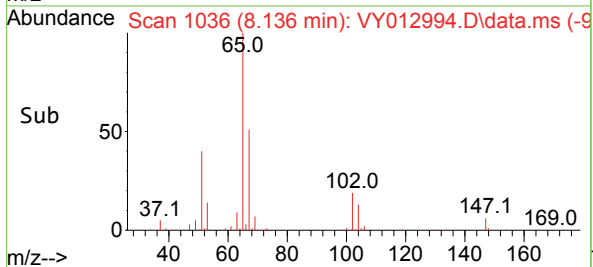
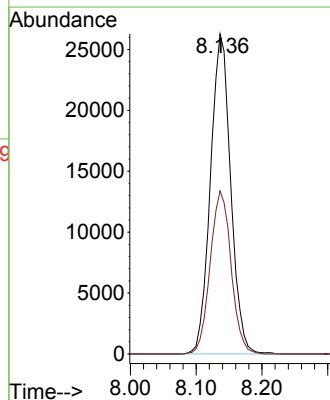
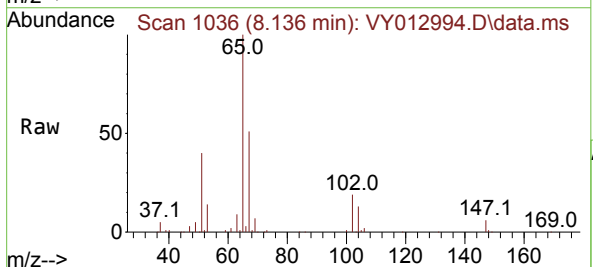
Instrument :
MSVOA_Y
ClientSampleId :

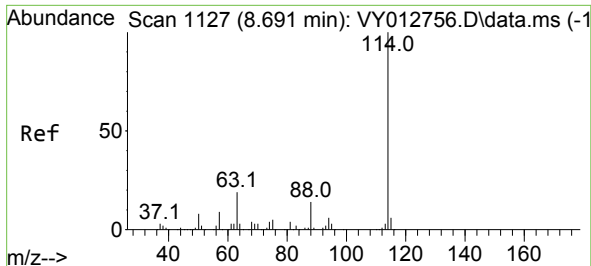
Tgt Ion: 56 Resp: 1863
Ion Ratio Lower Upper
56 100
69 161.9 25.7 38.5#
84 137.8 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 67.229 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

Tgt Ion: 65 Resp: 56293
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012994.D

Acq: 17 Mar 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :

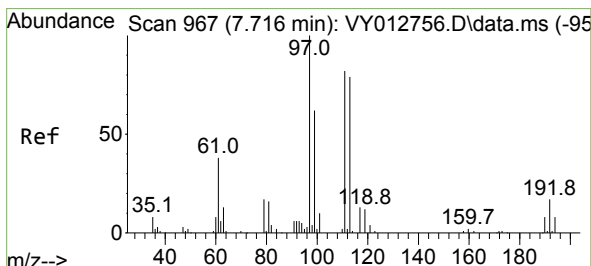
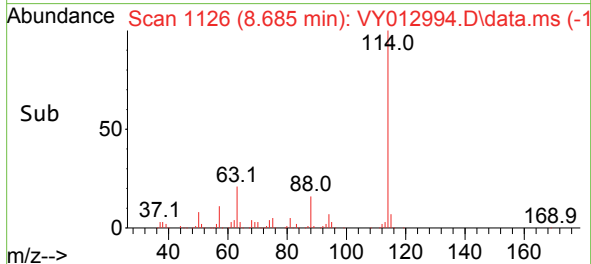
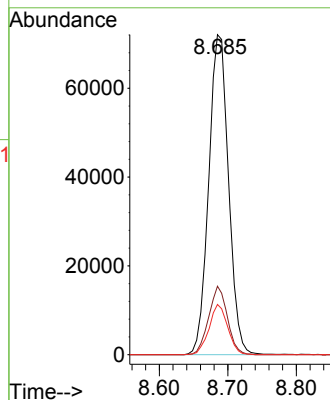
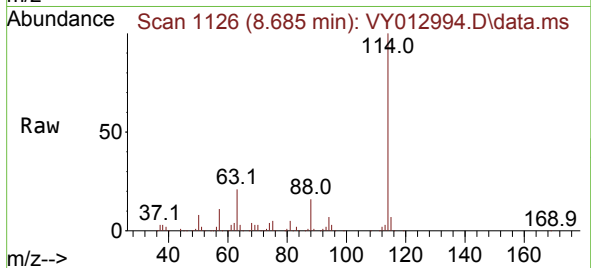
Tgt Ion:114 Resp: 145103

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.4

88 15.7 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.326 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY012994.D

Acq: 17 Mar 2023 18:09

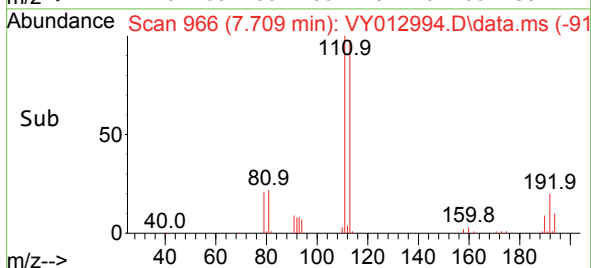
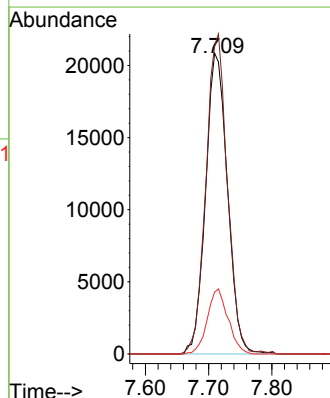
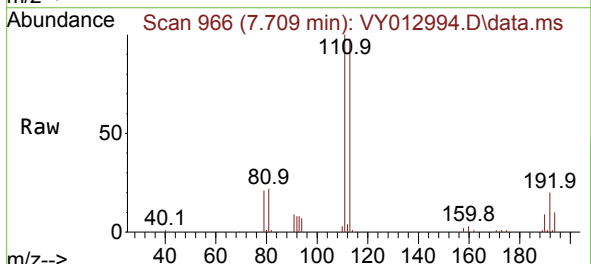
Tgt Ion:113 Resp: 50200

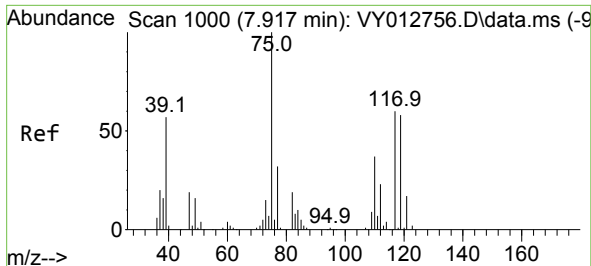
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

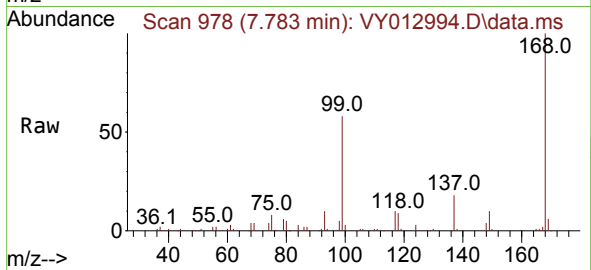
192 20.5 16.8 25.2



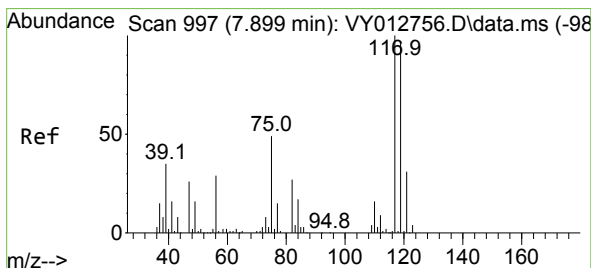
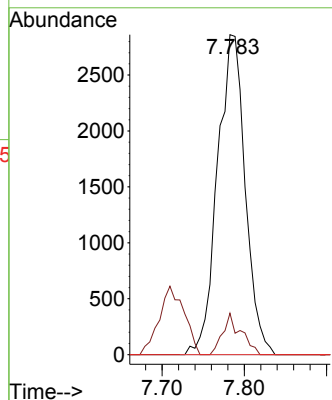
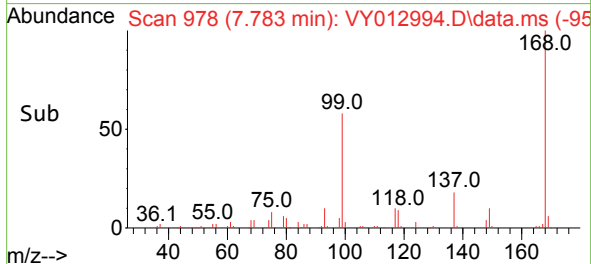


#36
 1,1-Dichloropropene
 Concen: 4.566 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY012994.D
 Acq: 17 Mar 2023 18:09

Instrument :
 MSVOA_Y
 ClientSampleId :

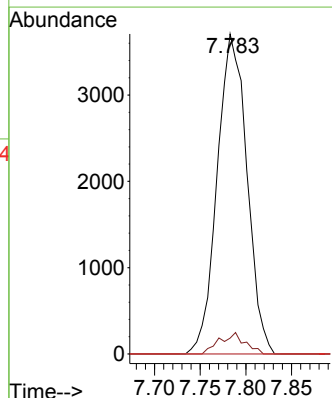
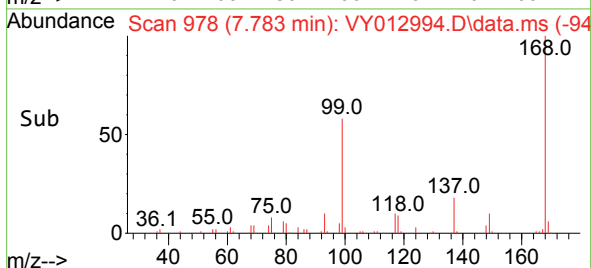
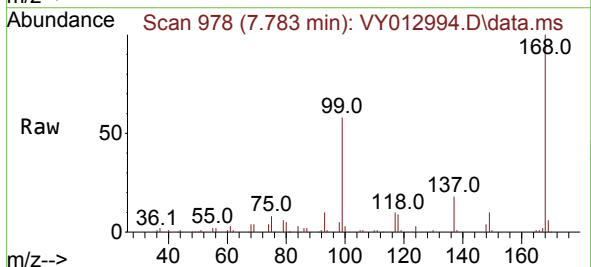


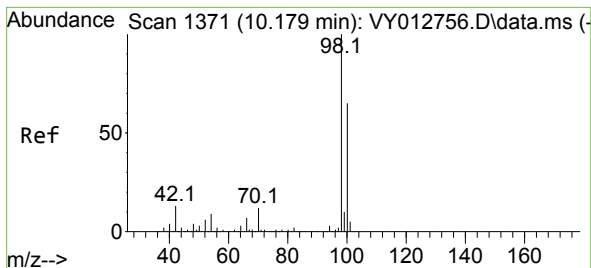
Tgt Ion: 75 Resp: 6700
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.532 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY012994.D
 Acq: 17 Mar 2023 18:09

Tgt Ion: 117 Resp: 8383
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.2 115.8#
 121 0.0 24.7 37.1#

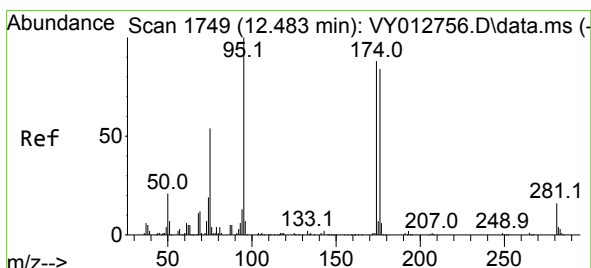
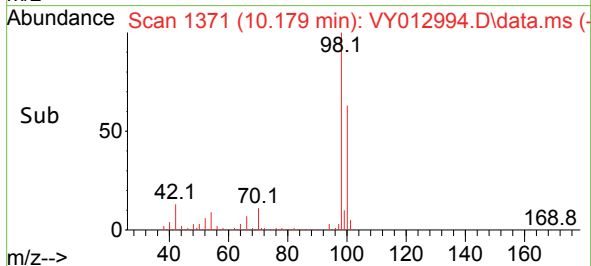
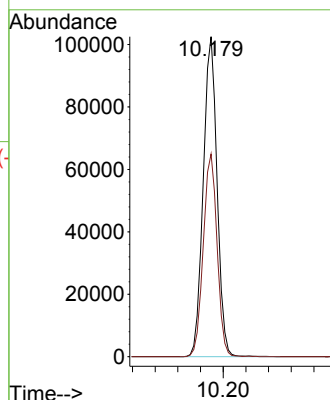
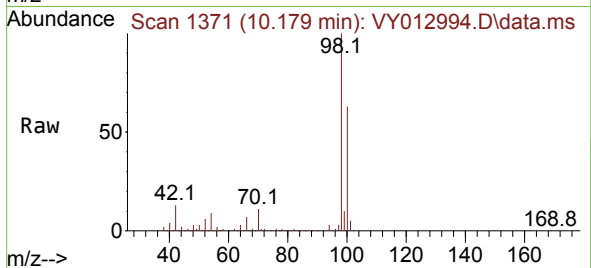




#50
Toluene-d8
Concen: 54.269 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

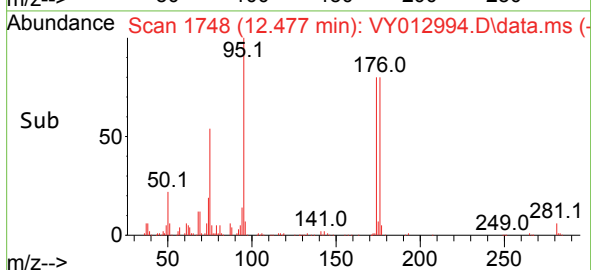
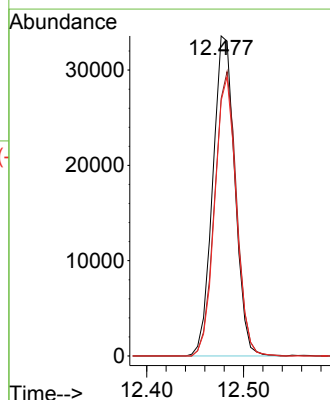
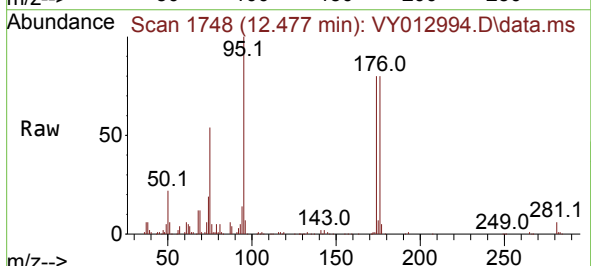
Instrument :
MSVOA_Y
ClientSampleId :

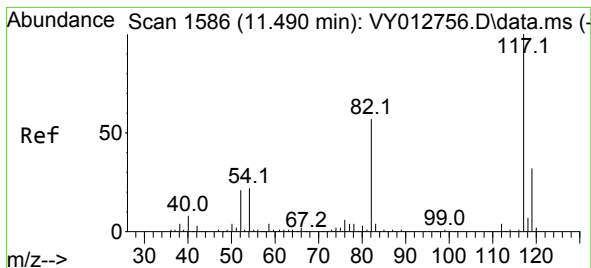
Tgt Ion: 98 Resp: 173736
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 49.344 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

Tgt Ion: 95 Resp: 53318
Ion Ratio Lower Upper
95 100
174 87.9 0.0 176.6
176 85.0 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: VY012994.D

Acq: 17 Mar 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :

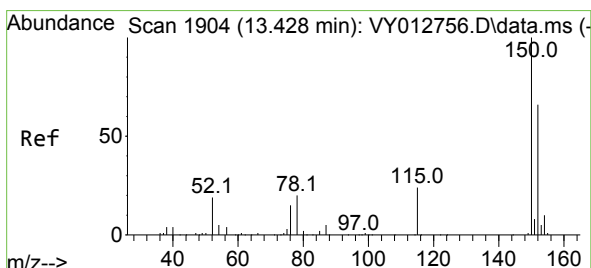
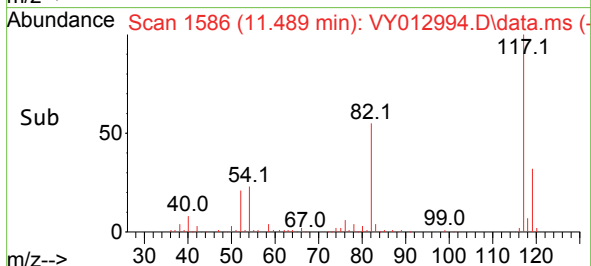
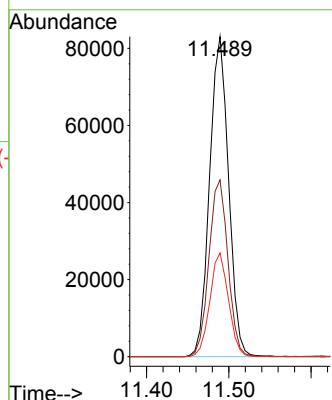
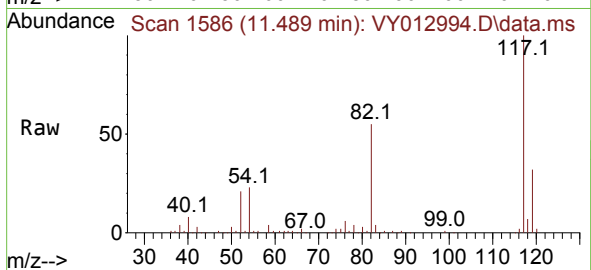
Tgt Ion:117 Resp: 133111

Ion Ratio Lower Upper

117 100

82 55.2 45.4 68.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012994.D

Acq: 17 Mar 2023 18:09

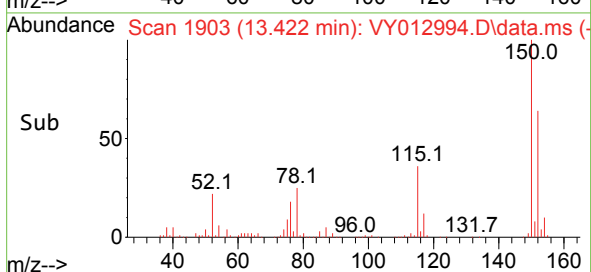
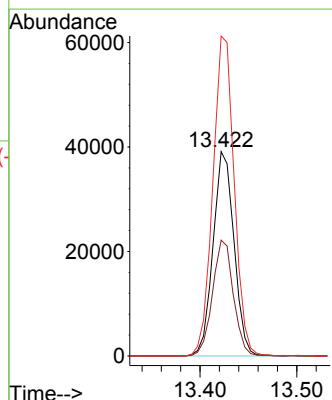
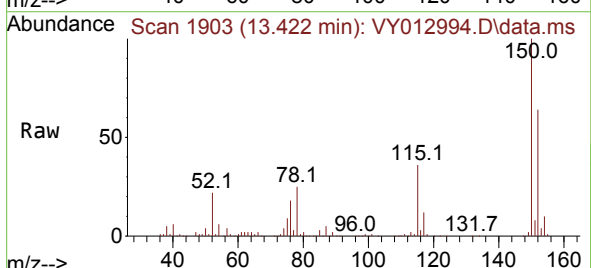
Tgt Ion:152 Resp: 58854

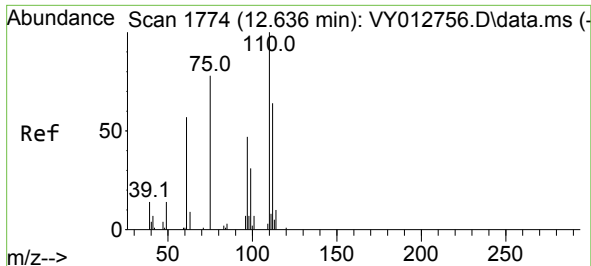
Ion Ratio Lower Upper

152 100

115 56.4 27.1 81.3

150 159.4 0.0 347.8

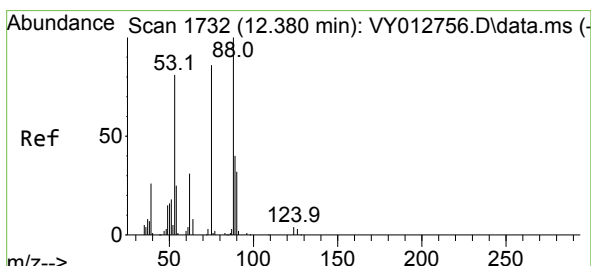
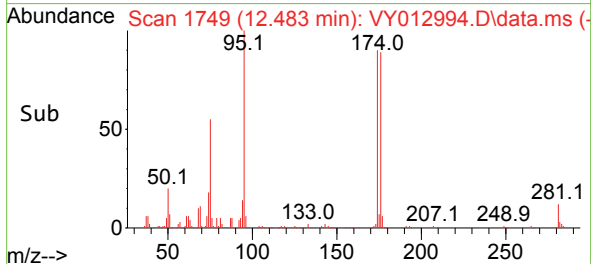
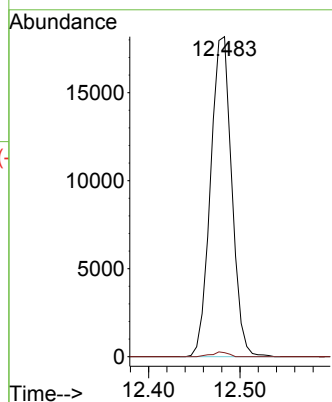
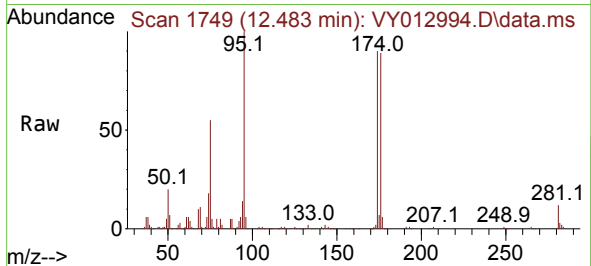




#76
1,2,3-Trichloropropane
Concen: 41.637 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 29263
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.273 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012994.D
Acq: 17 Mar 2023 18:09

Tgt Ion: 75 Resp: 29263
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.2 36.6 55.0#

