

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031723\
 Data File : VY012990.D
 Acq On : 17 Mar 2023 16:35
 Operator : KP/MD
 Sample : 01954-01
 Misc : 5.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 05:47:13 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)

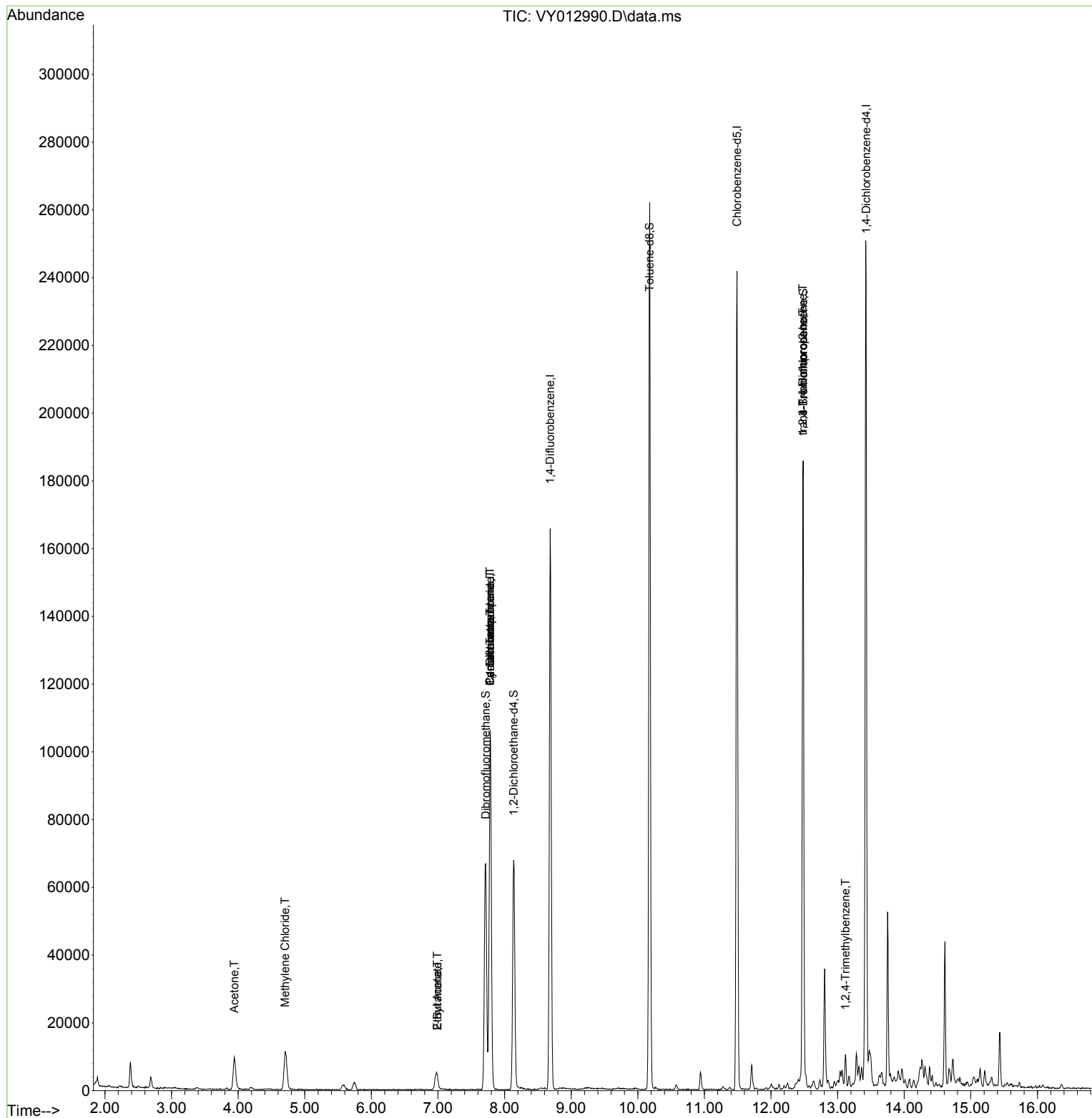
Internal Standards						
1) Pentafluorobenzene	7.783	168	81577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	137344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	127673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	63083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53429	65.965	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.940%	
35) Dibromofluoromethane	7.716	113	48031	57.948	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.900%	
50) Toluene-d8	10.179	98	166051	54.799	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.600%	
62) 4-Bromofluorobenzene	12.483	95	53169	51.986	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.980%	
Target Compounds						
11) Tert butyl alcohol	4.948	59	93	Below Cal	#	74
16) Acetone	3.942	43	16754	52.700	ug/l	94
20) Methylene Chloride	4.704	84	8363	3.639	ug/l	96
25) 2-Butanone	6.990	43	4537	11.522	ug/l	# 85
31) Cyclohexane	7.783	56	1588	1.024	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	6359	4.578	ug/l	# 50
37) Ethyl Acetate	6.990	43	4537	5.182	ug/l	# 69
38) Carbon Tetrachloride	7.783	117	8015	5.588	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	28377	37.670	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	28377	78.053	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.117	105	4775	1.324	ug/l	99

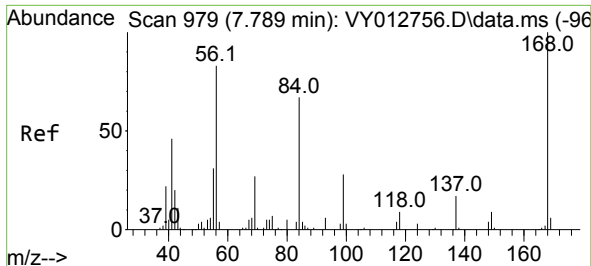
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 03 01:13:13 2023
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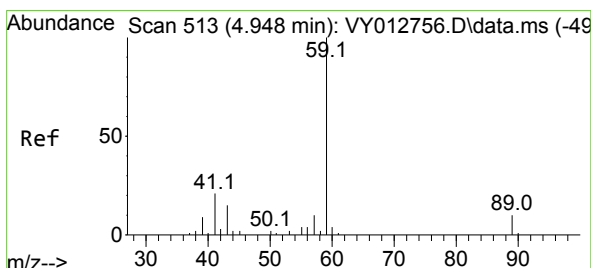
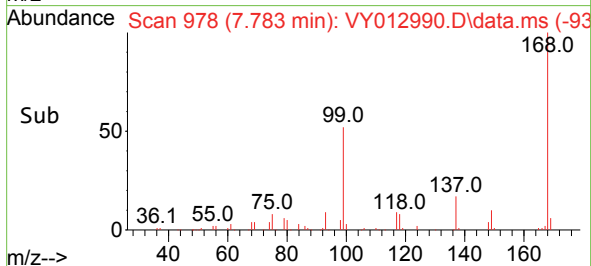
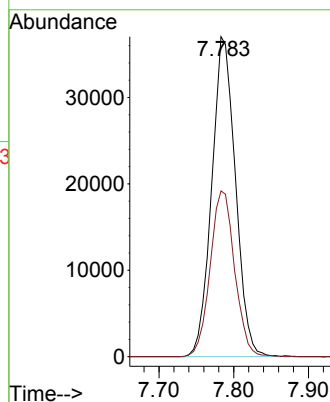
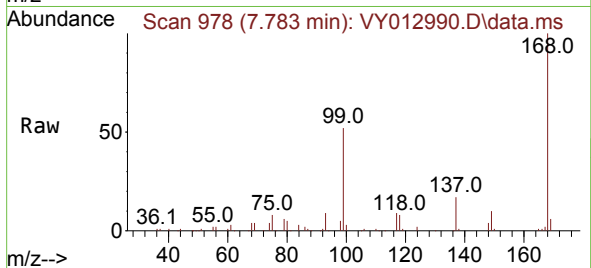




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012990.D
Acq: 17 Mar 2023 16:35

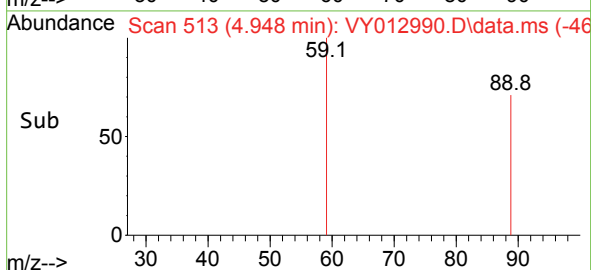
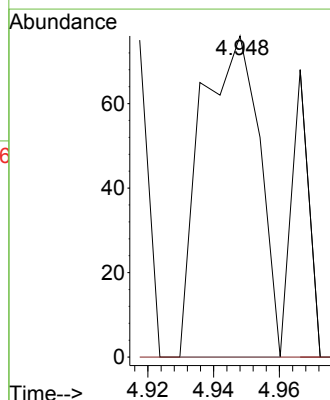
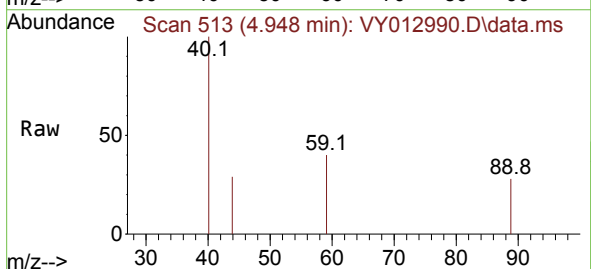
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 81577
Ion Ratio Lower Upper
168 100
99 51.8 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY012990.D
Acq: 17 Mar 2023 16:35

Tgt Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 52.700 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

Instrument :

MSVOA_Y

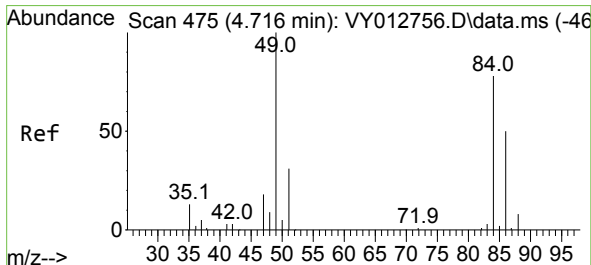
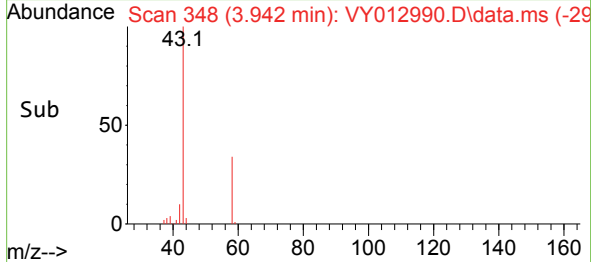
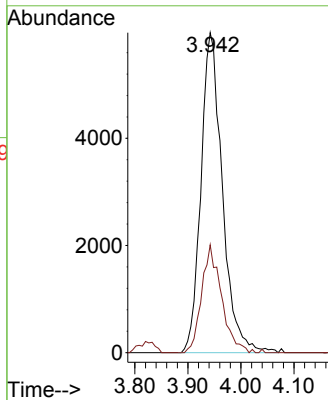
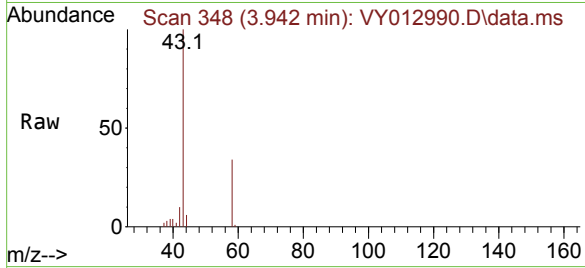
ClientSampleId :

Tgt Ion: 43 Resp: 16754

Ion Ratio Lower Upper

43 100

58 33.7 24.2 36.2



#20

Methylene Chloride

Concen: 3.639 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

Tgt Ion: 84 Resp: 8363

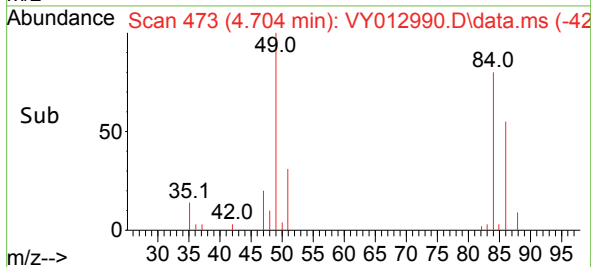
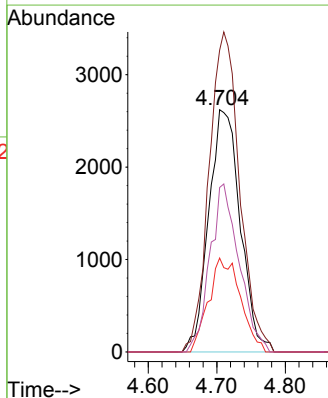
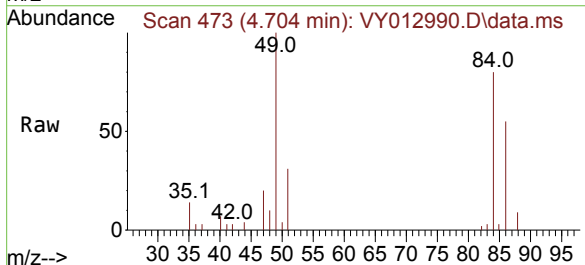
Ion Ratio Lower Upper

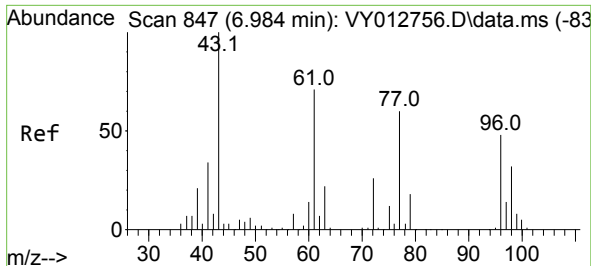
84 100

49 124.6 102.6 154.0

51 38.8 31.9 47.9

86 67.9 51.0 76.6





#25

2-Butanone

Concen: 11.522 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

Instrument :

MSVOA_Y

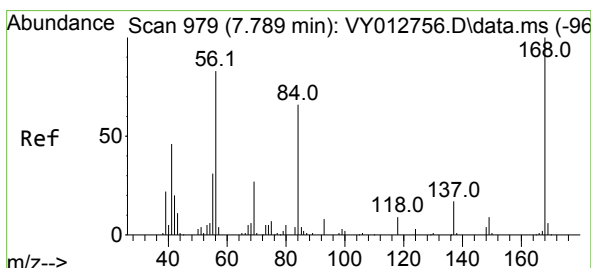
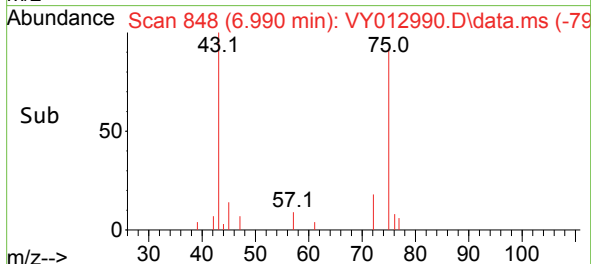
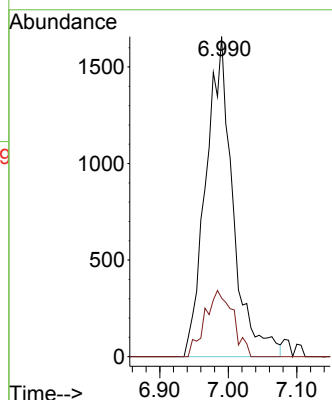
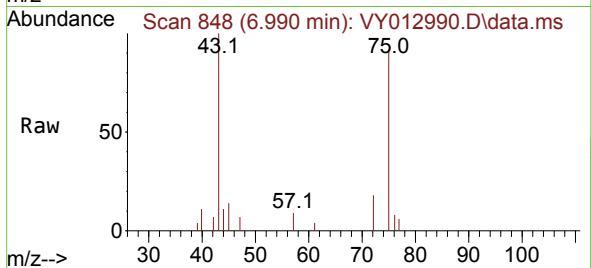
ClientSampleId :

Tgt Ion: 43 Resp: 4537

Ion Ratio Lower Upper

43 100

72 18.3 21.0 31.4#



#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

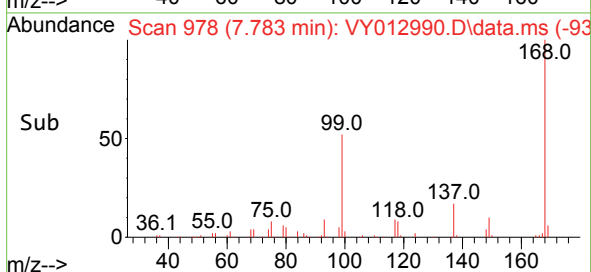
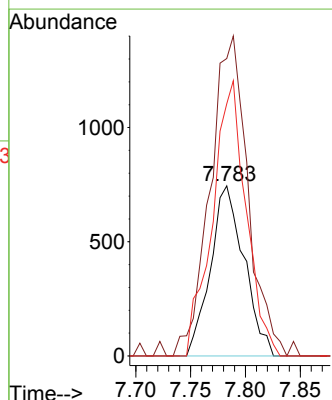
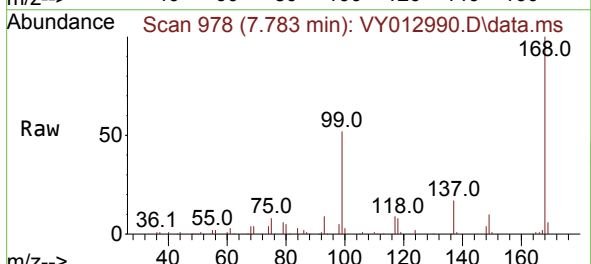
Tgt Ion: 56 Resp: 1588

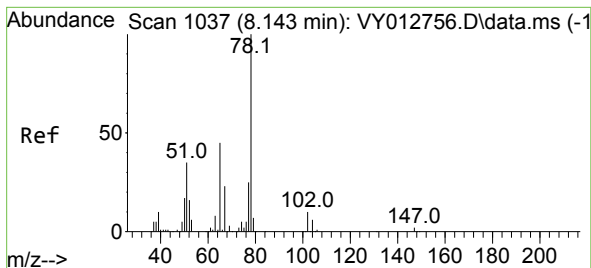
Ion Ratio Lower Upper

56 100

69 166.3 25.7 38.5#

84 148.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 65.965 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

Instrument :

MSVOA_Y

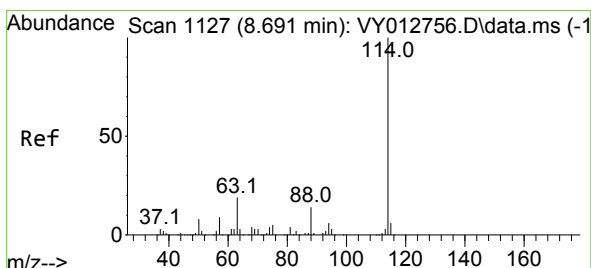
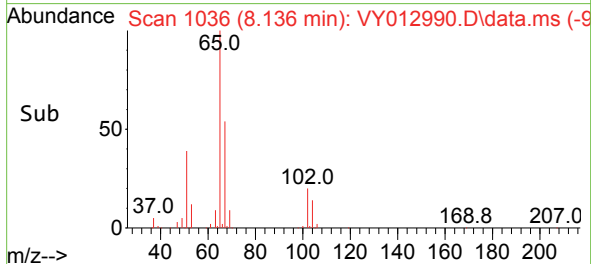
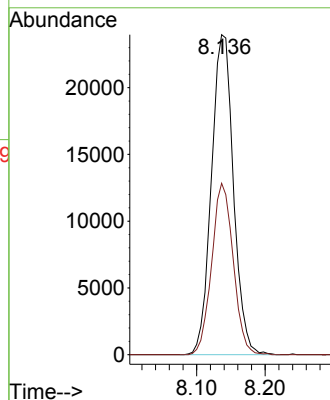
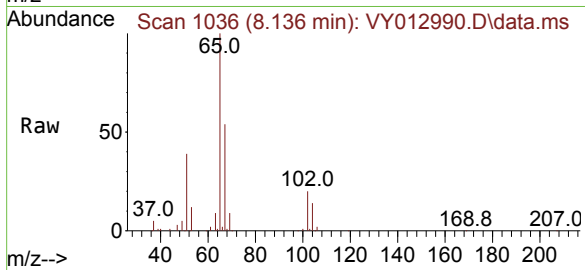
ClientSampleId :

Tgt Ion: 65 Resp: 53429

Ion Ratio Lower Upper

65 100

67 52.3 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: VY012990.D

Acq: 17 Mar 2023 16:35

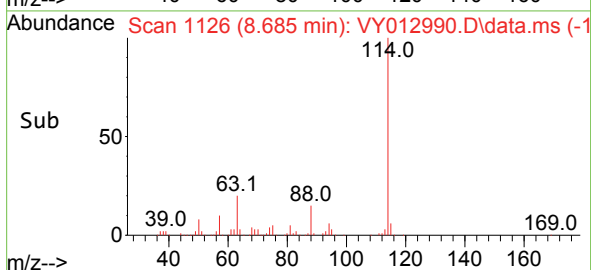
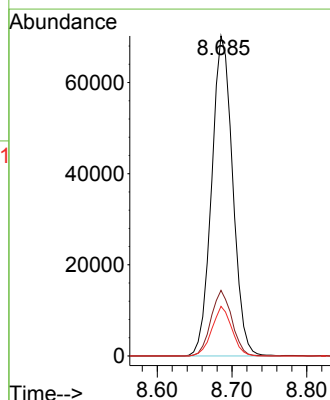
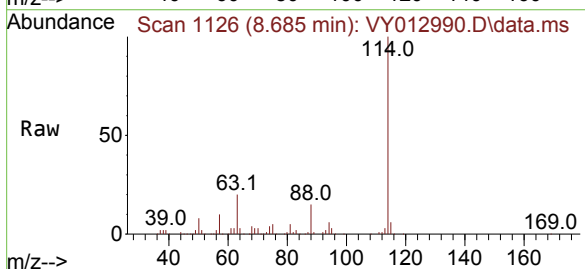
Tgt Ion: 114 Resp: 137344

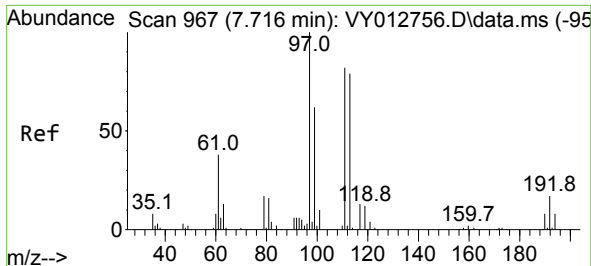
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

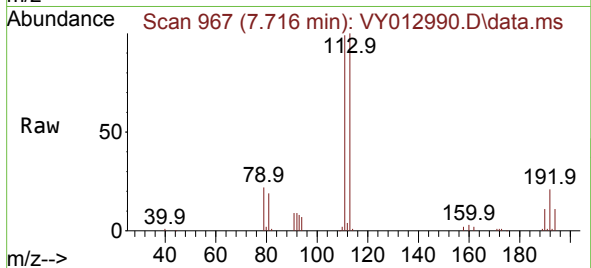
88 15.5 0.0 28.6



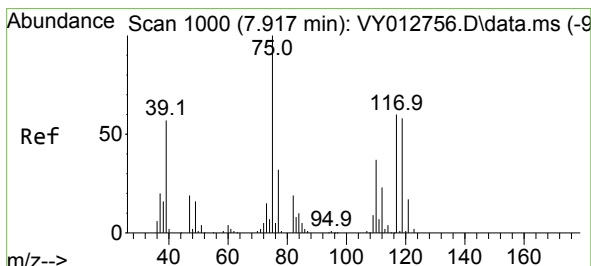
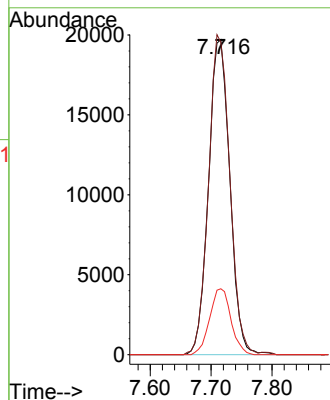
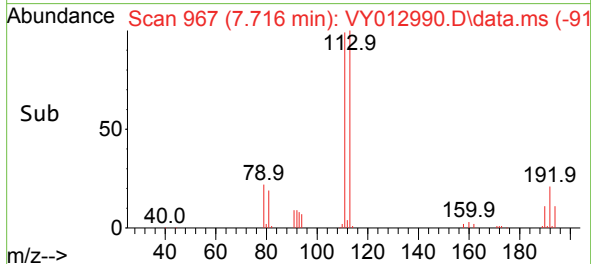


#35
Dibromofluoromethane
Concen: 57.948 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012990.D
Acq: 17 Mar 2023 16:35

Instrument :
MSVOA_Y
ClientSampleId :

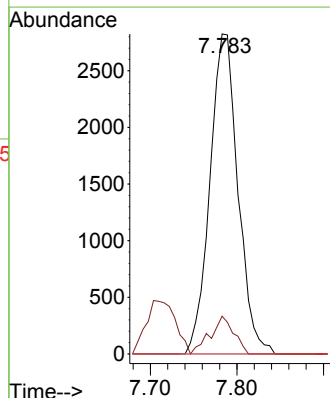
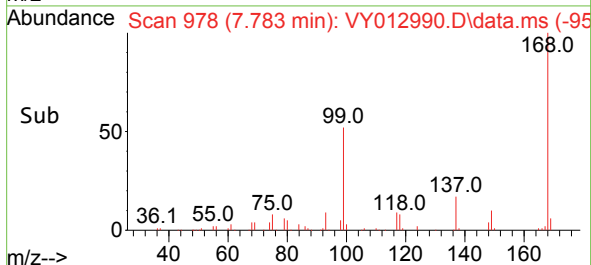
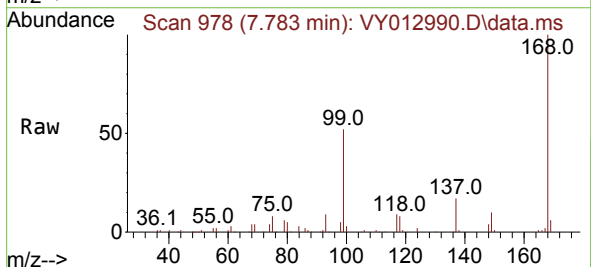


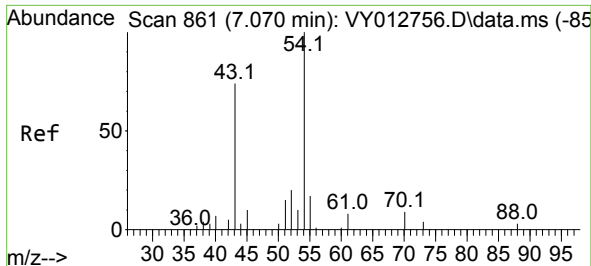
Tgt Ion:113 Resp: 48031
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.2
192 20.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.578 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012990.D
Acq: 17 Mar 2023 16:35

Tgt Ion: 75 Resp: 6359
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 5.182 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

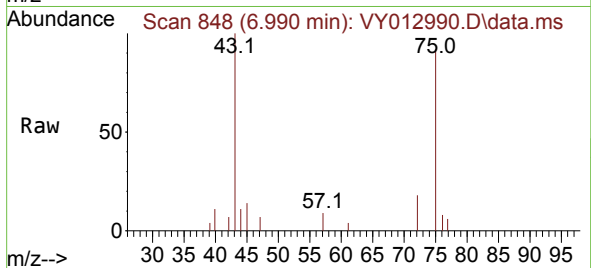
Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :



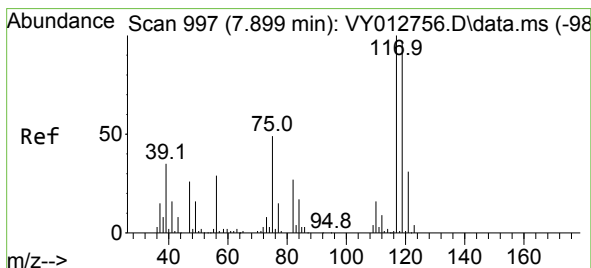
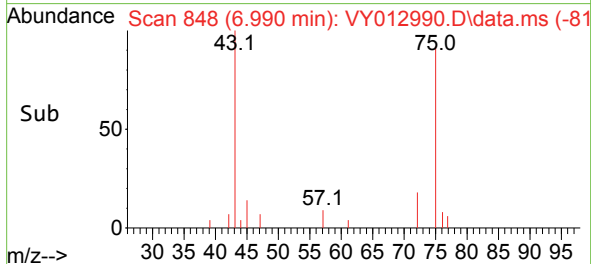
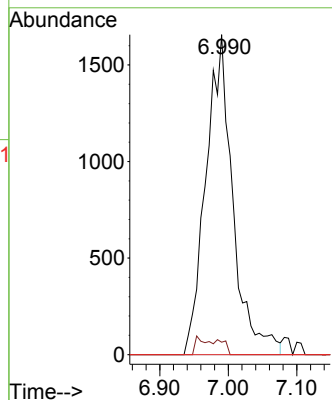
Tgt Ion: 43 Resp: 4537

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.588 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

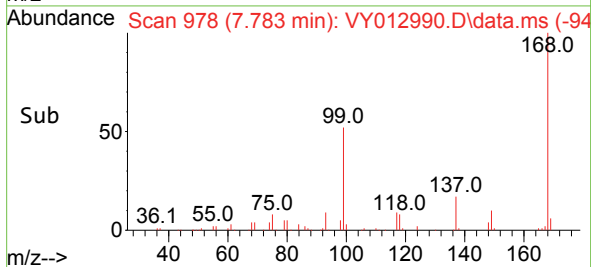
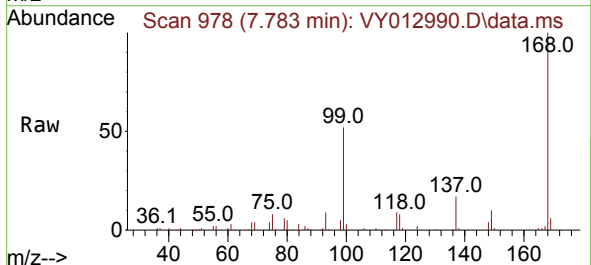
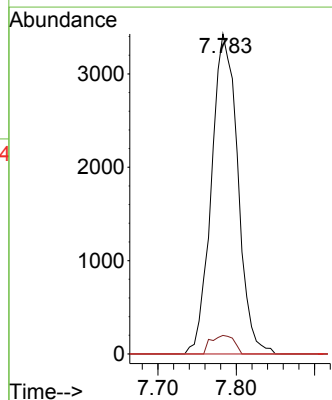
Tgt Ion: 117 Resp: 8015

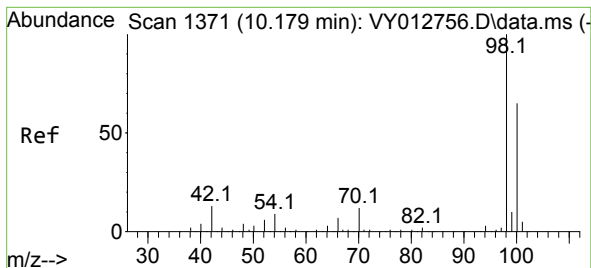
Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 54.799 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

Instrument :

MSVOA_Y

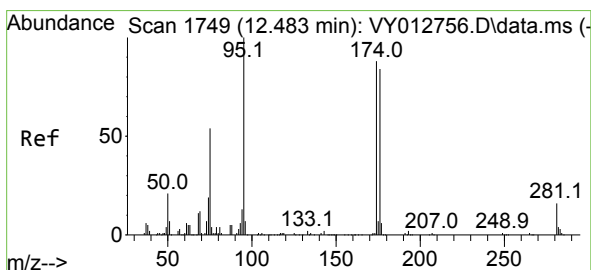
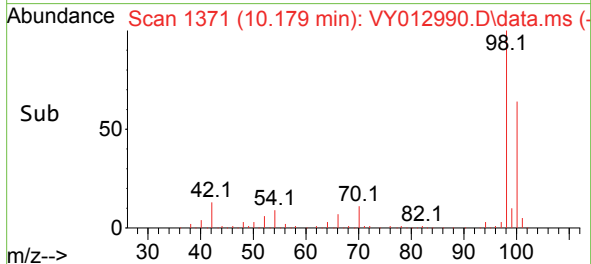
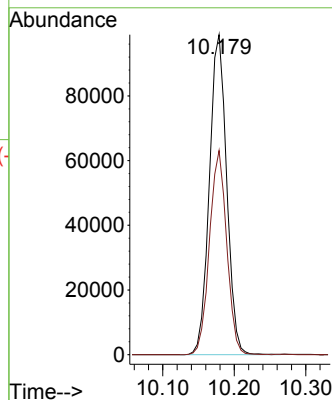
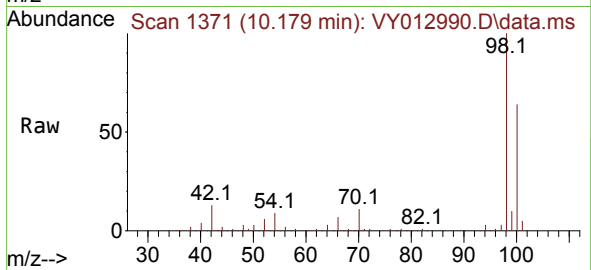
ClientSampleId :

Tgt Ion: 98 Resp: 166051

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 51.986 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

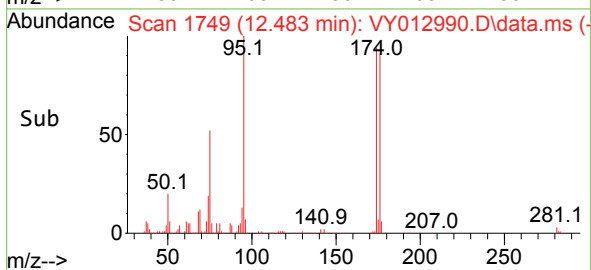
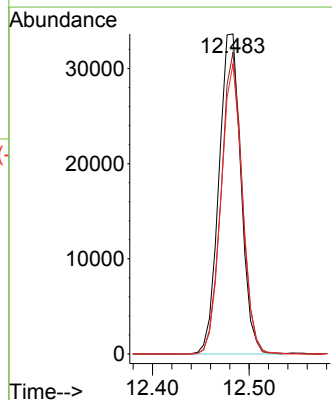
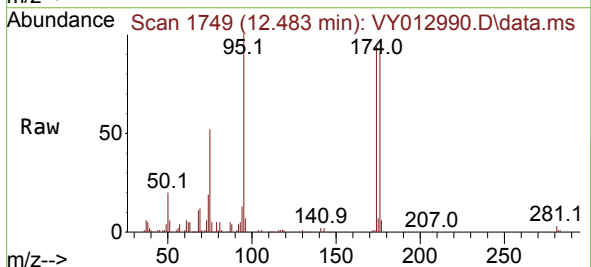
Tgt Ion: 95 Resp: 53169

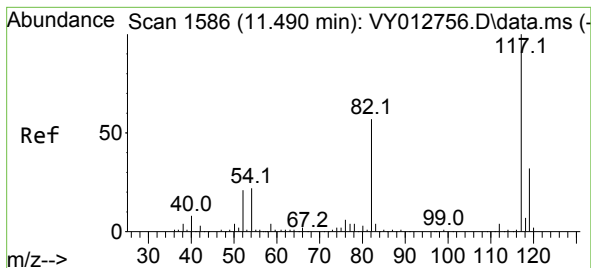
Ion Ratio Lower Upper

95 100

174 90.3 0.0 176.6

176 87.3 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :

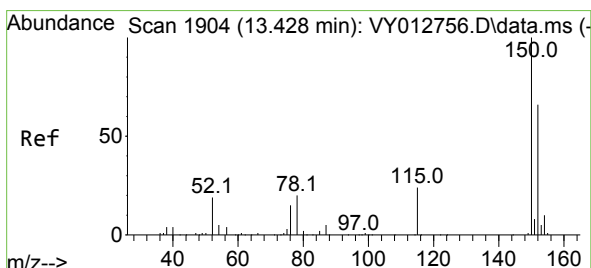
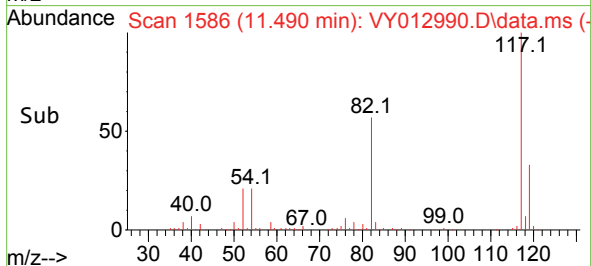
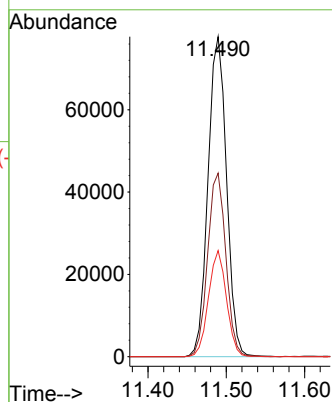
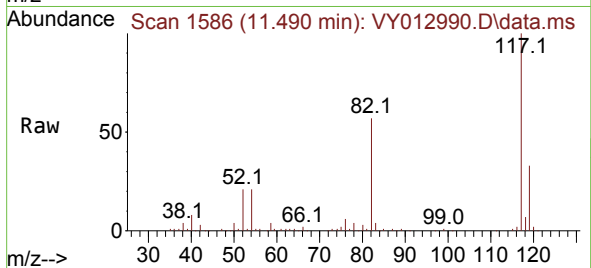
Tgt Ion:117 Resp: 127673

Ion Ratio Lower Upper

117 100

82 57.4 45.4 68.0

119 33.1 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: VY012990.D

Acq: 17 Mar 2023 16:35

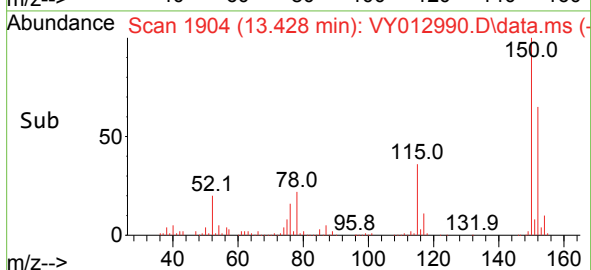
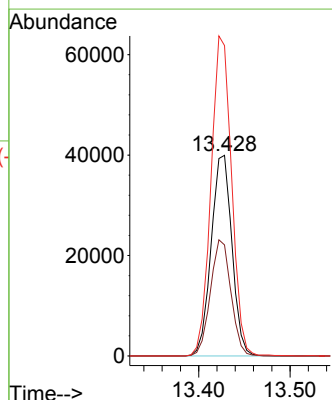
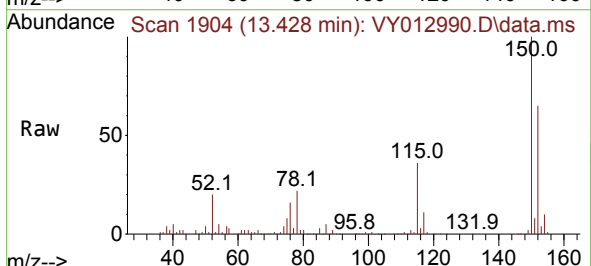
Tgt Ion:152 Resp: 63083

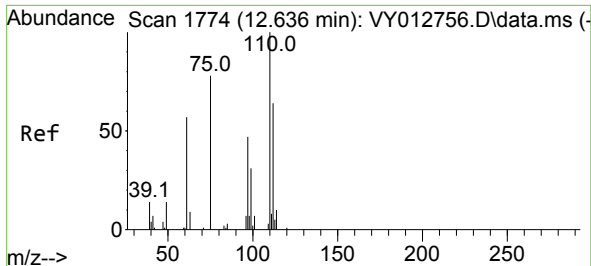
Ion Ratio Lower Upper

152 100

115 57.1 27.1 81.3

150 158.0 0.0 347.8

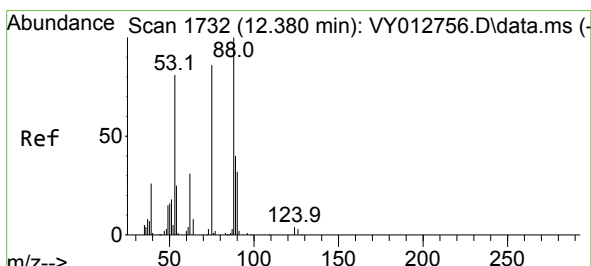
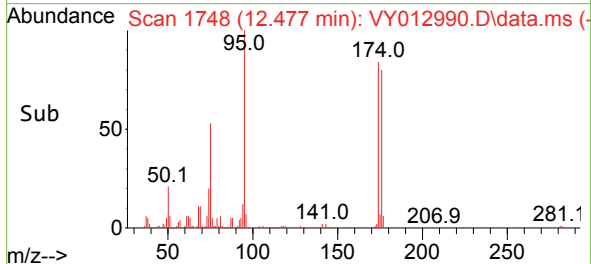
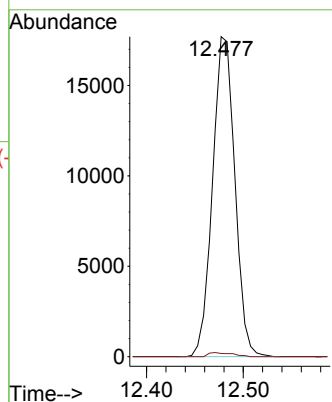
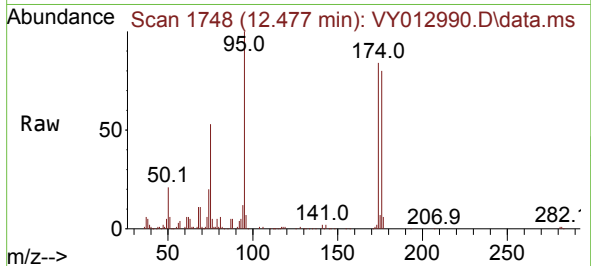




#76
1,2,3-Trichloropropane
Concen: 37.670 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012990.D
Acq: 17 Mar 2023 16:35

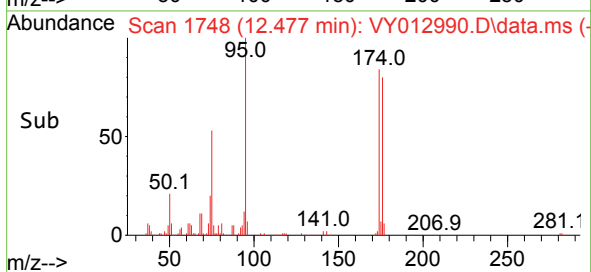
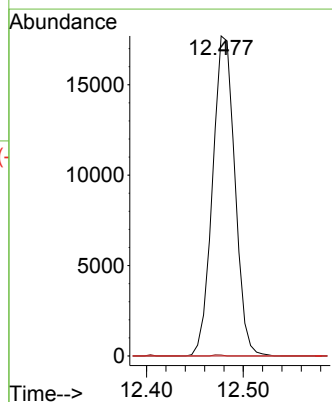
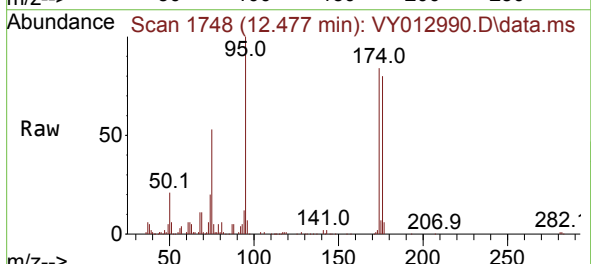
Instrument :
MSVOA_Y
ClientSampleId :

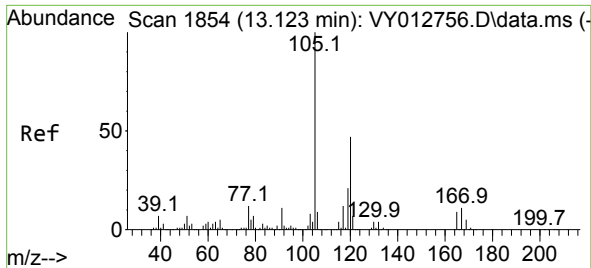
Tgt Ion: 75 Resp: 28377
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.053 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012990.D
Acq: 17 Mar 2023 16:35

Tgt Ion: 75 Resp: 28377
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.0 36.6 55.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.324 ug/l

RT: 13.117 min Scan# 11

Delta R.T. -0.006 min

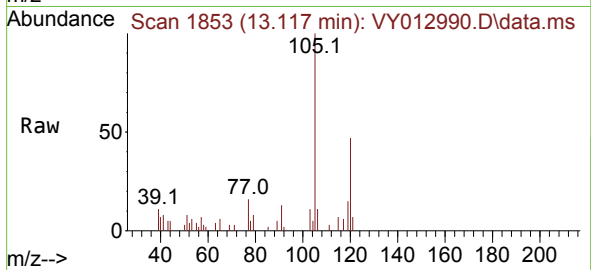
Lab File: VY012990.D

Acq: 17 Mar 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:105 Resp: 4775

Ion Ratio Lower Upper

105 100

120 46.7 23.0 69.0

