

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031723\
 Data File : VY012999.D
 Acq On : 17 Mar 2023 20:06
 Operator : KP/MD
 Sample : 01974-03
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 05:50:10 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)

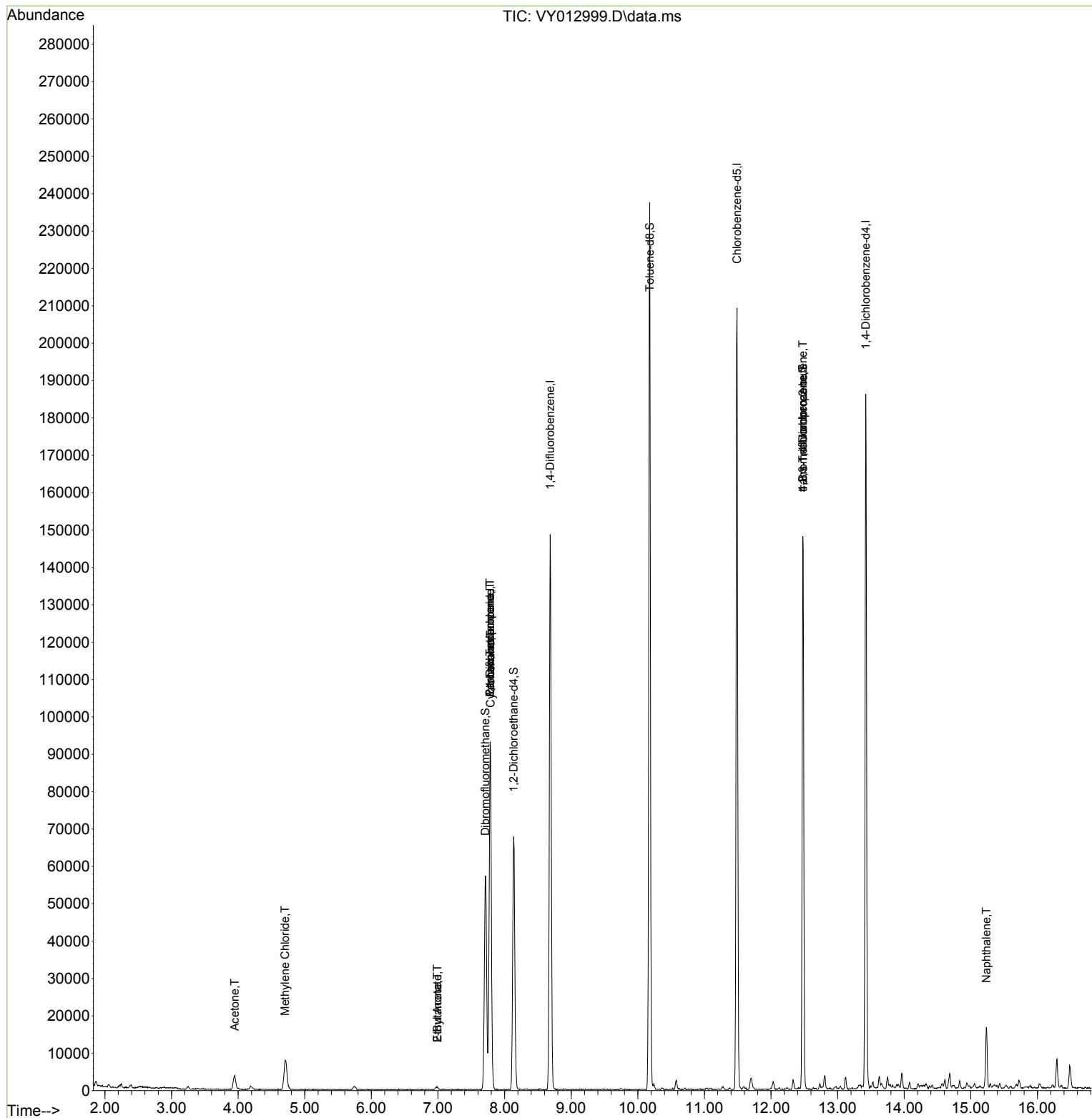
Internal Standards						
1) Pentafluorobenzene	7.783	168	71642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	122700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	110931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	46945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	51336	72.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.340%	
35) Dibromofluoromethane	7.710	113	40504	54.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.400%	
50) Toluene-d8	10.179	98	148506	54.858	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.720%	
62) 4-Bromofluorobenzene	12.477	95	43196	47.275	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	26	Below Cal	#	74
16) Acetone	3.948	43	6941	24.861	ug/l	98
20) Methylene Chloride	4.704	84	5815	1.627	ug/l	95
25) 2-Butanone	6.990	43	912	2.637	ug/l #	81
31) Cyclohexane	7.789	56	1589	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	5865	4.726	ug/l #	48
37) Ethyl Acetate	6.990	43	912	1.166	ug/l #	69
38) Carbon Tetrachloride	7.783	117	7285	5.685	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	23046	41.110	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	23046	85.180	ug/l #	13
95) Naphthalene	15.233	128	13563	7.801	ug/l	99

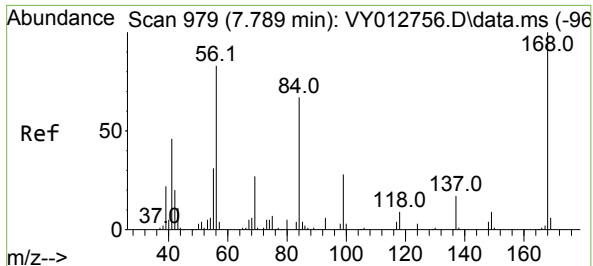
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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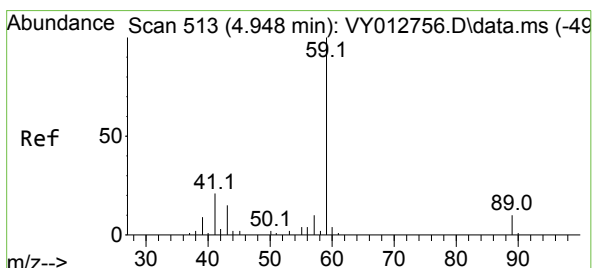
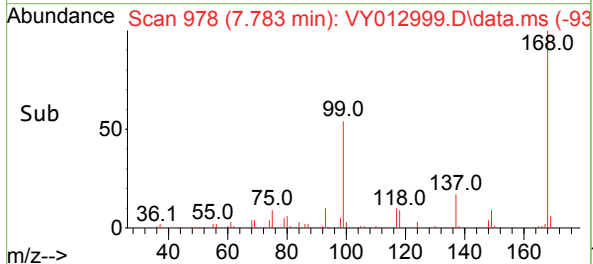
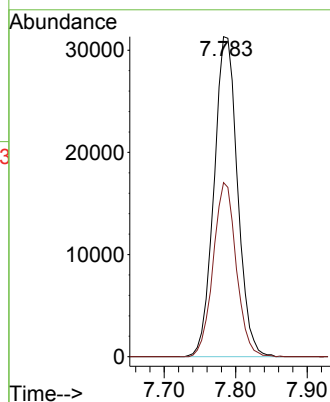
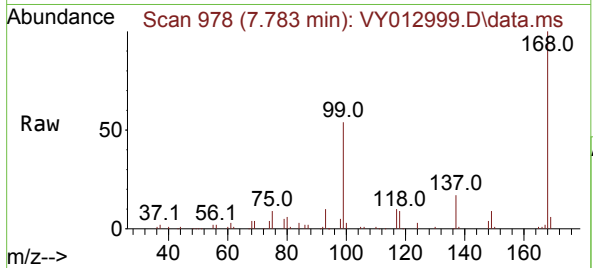




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

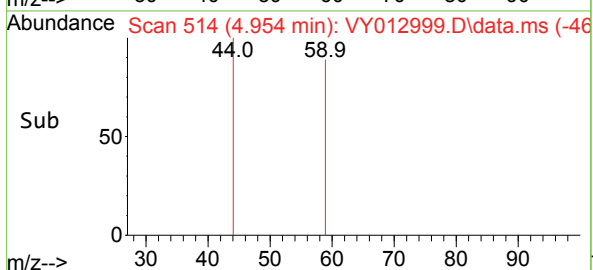
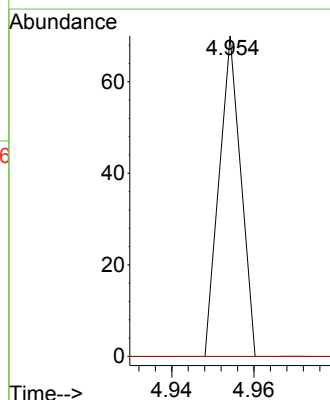
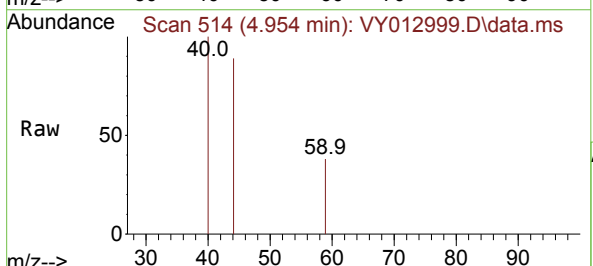
Instrument :
MSVOA_Y
ClientSampleId :

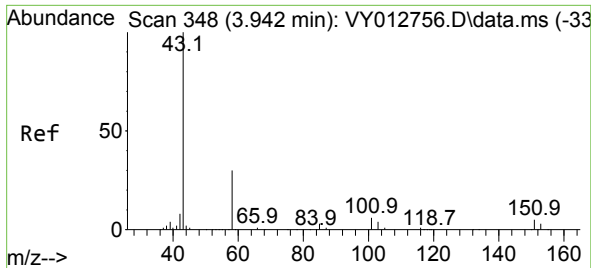
Tgt Ion:168 Resp: 71642
Ion Ratio Lower Upper
168 100
99 54.4 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 24.861 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012999.D

Acq: 17 Mar 2023 20:06

Instrument :

MSVOA_Y

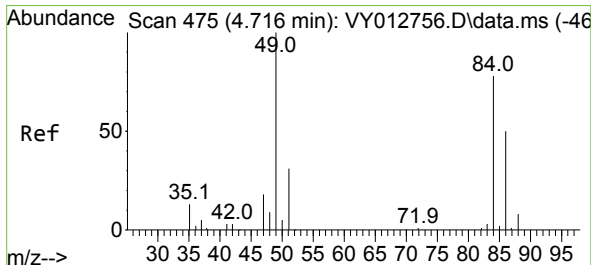
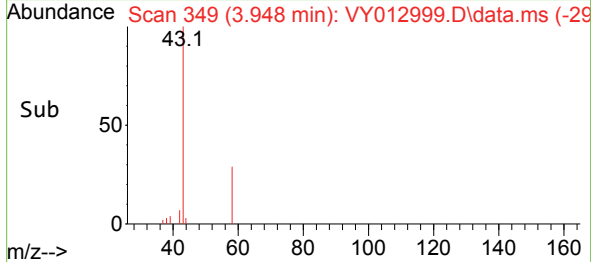
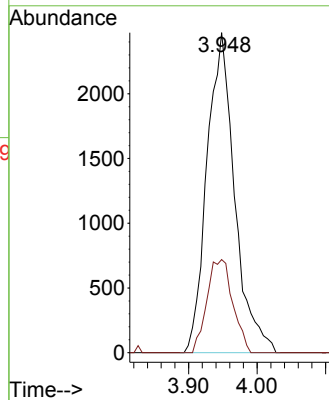
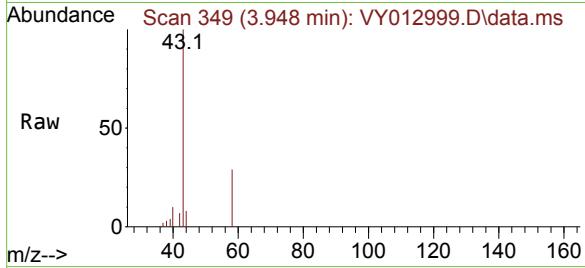
ClientSampleId :

Tgt Ion: 43 Resp: 6941

Ion Ratio Lower Upper

43 100

58 29.1 24.2 36.2



#20

Methylene Chloride

Concen: 1.627 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY012999.D

Acq: 17 Mar 2023 20:06

Tgt Ion: 84 Resp: 5815

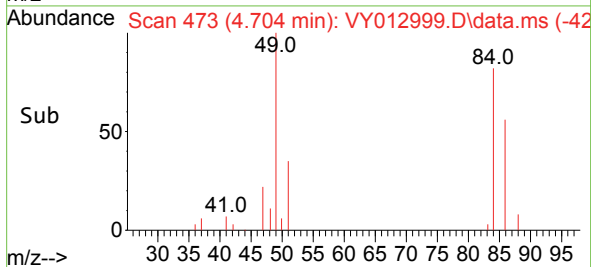
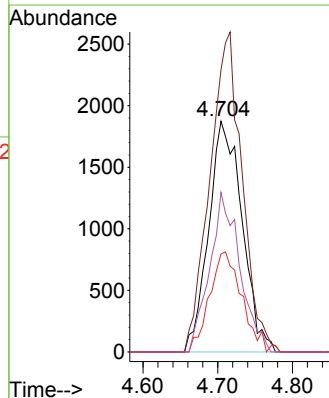
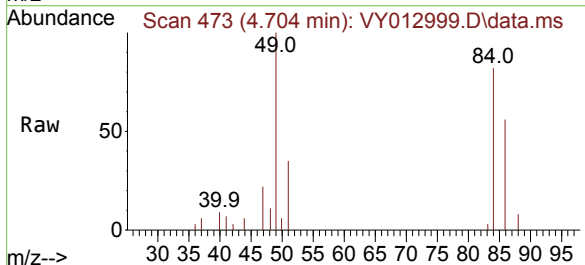
Ion Ratio Lower Upper

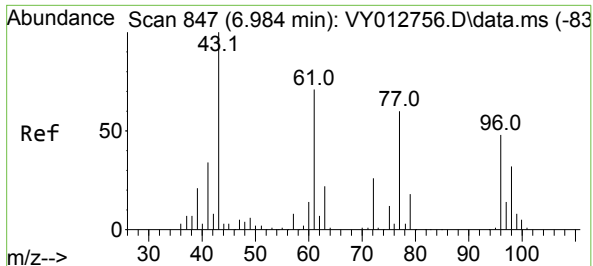
84 100

49 122.4 102.6 154.0

51 42.4 31.9 47.9

86 69.1 51.0 76.6





#25

2-Butanone

Concen: 2.637 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012999.D

Acq: 17 Mar 2023 20:06

Instrument :

MSVOA_Y

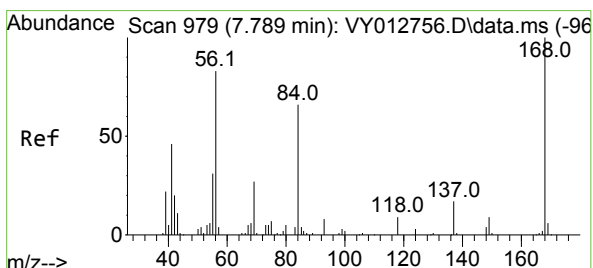
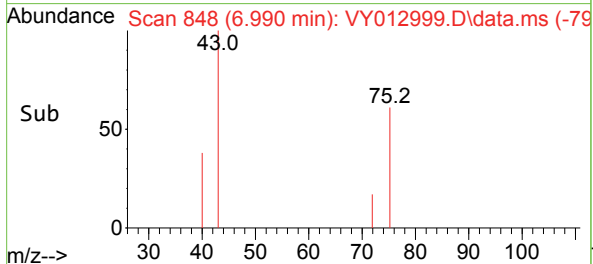
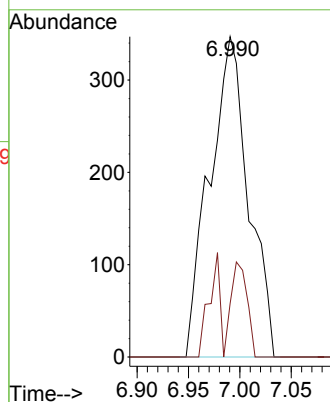
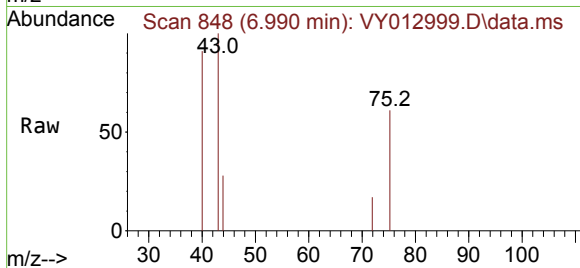
ClientSampleId :

Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

72 16.7 21.0 31.4#



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY012999.D

Acq: 17 Mar 2023 20:06

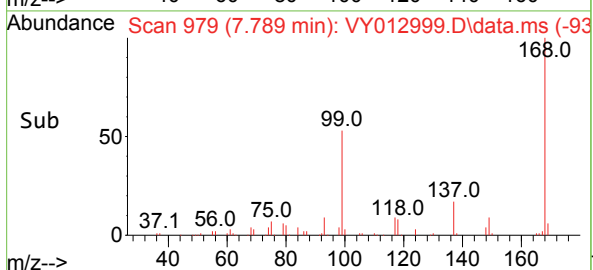
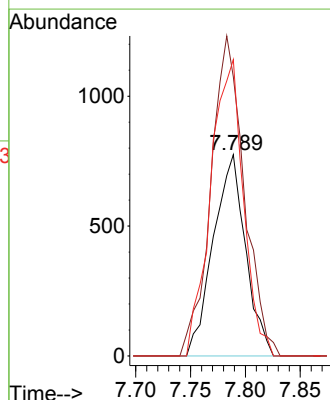
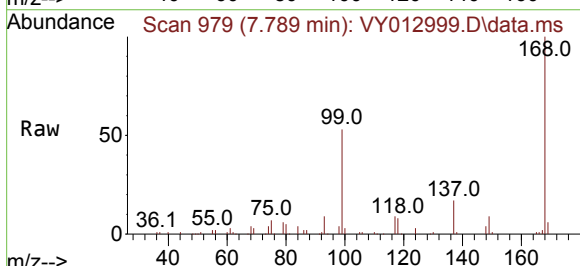
Tgt Ion: 56 Resp: 1589

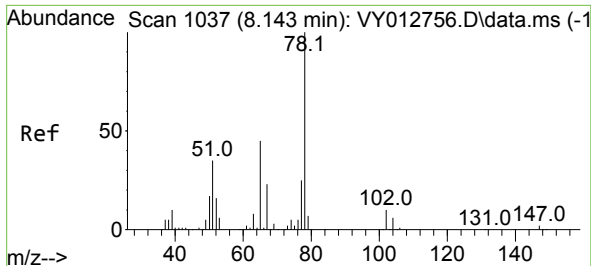
Ion Ratio Lower Upper

56 100

69 138.7 25.7 38.5#

84 147.2 64.3 96.5#

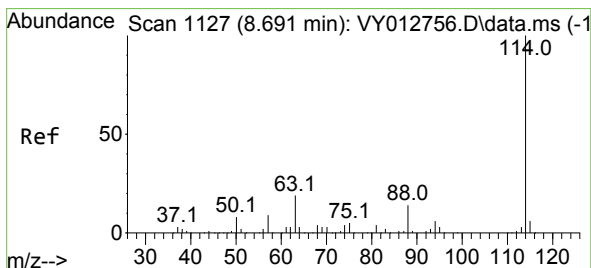
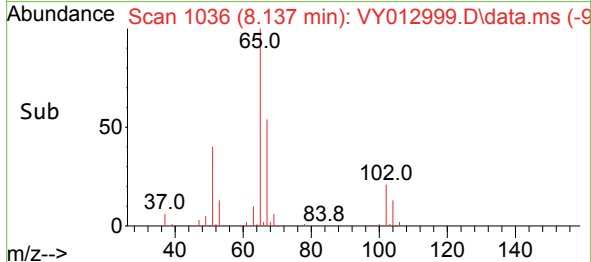
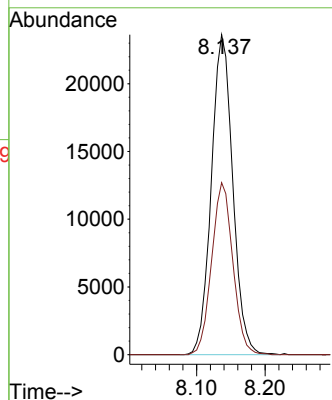
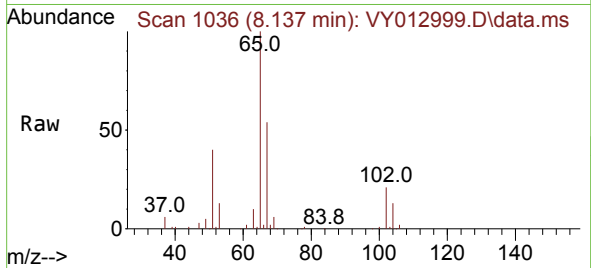




#33
1,2-Dichloroethane-d4
Concen: 72.171 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

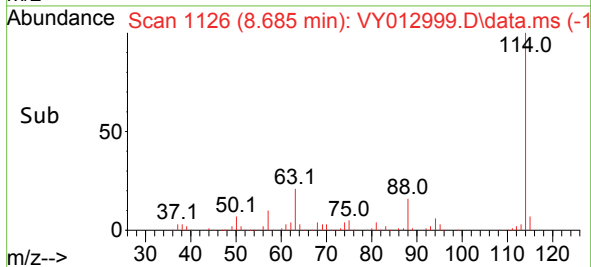
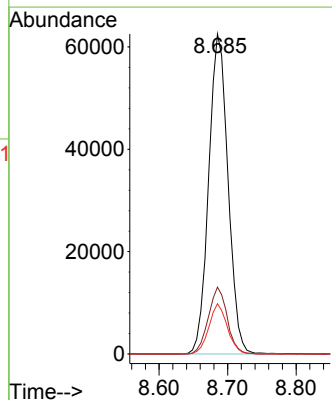
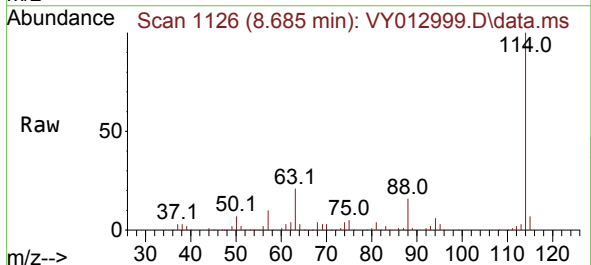
Instrument :
MSVOA_Y
ClientSampleId :

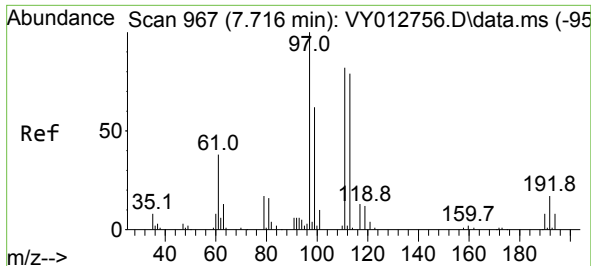
Tgt Ion: 65 Resp: 51336
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

Tgt Ion:114 Resp: 122700
Ion Ratio Lower Upper
114 100
63 20.9 0.0 37.4
88 15.7 0.0 28.6

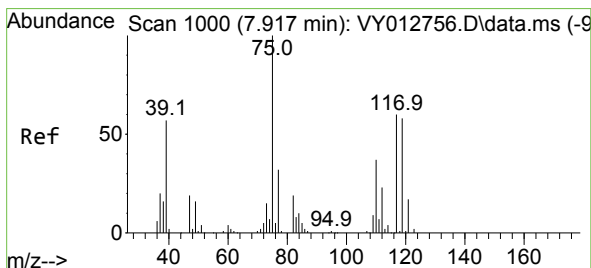
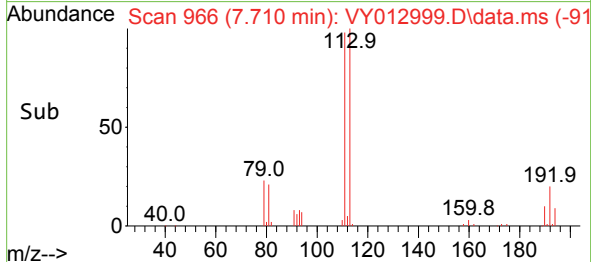
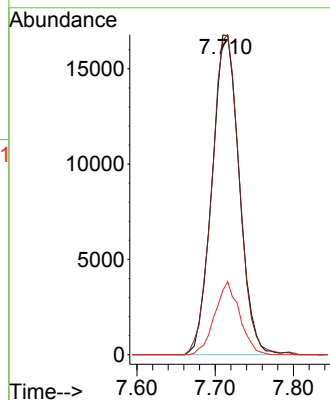
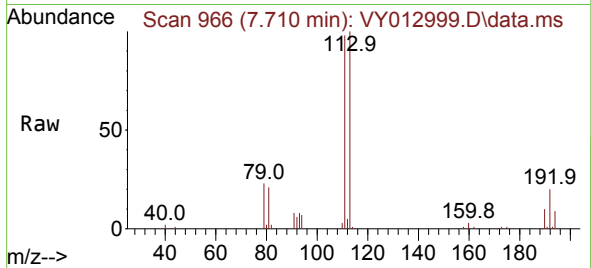




#35
Dibromofluoromethane
Concen: 54.699 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

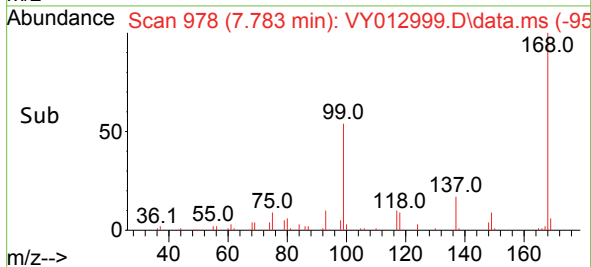
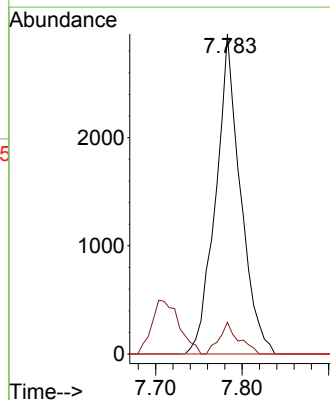
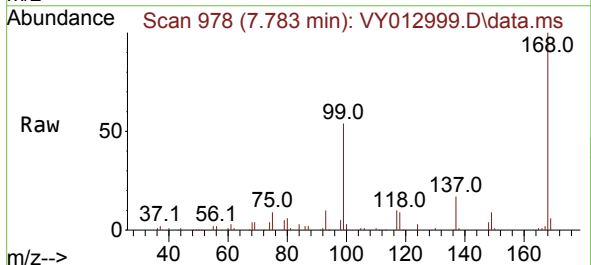
Instrument :
MSVOA_Y
ClientSampleId :

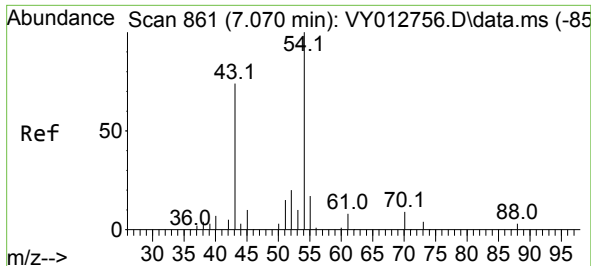
Tgt Ion:113 Resp: 40504
Ion Ratio Lower Upper
113 100
111 100.7 82.2 123.2
192 20.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.726 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

Tgt Ion: 75 Resp: 5865
Ion Ratio Lower Upper
75 100
110 7.7 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.166 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

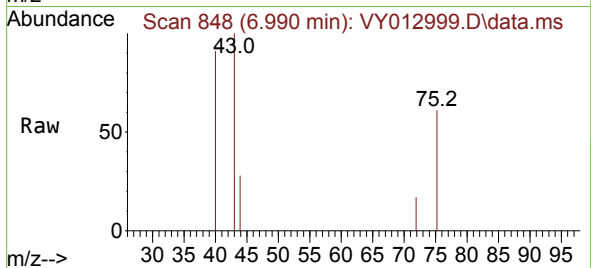
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Acq: 17 Mar 2023 20:06

Instrument :

MSVOA_Y

ClientSampleId :



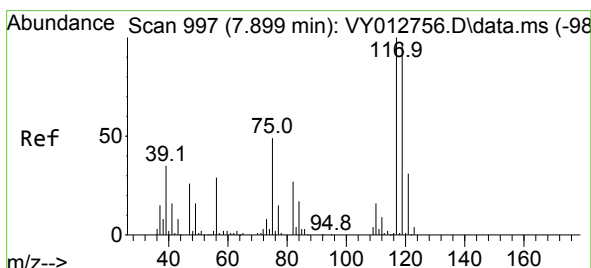
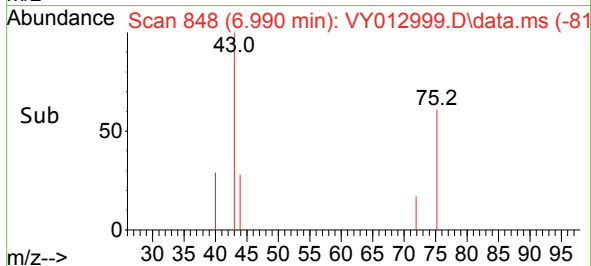
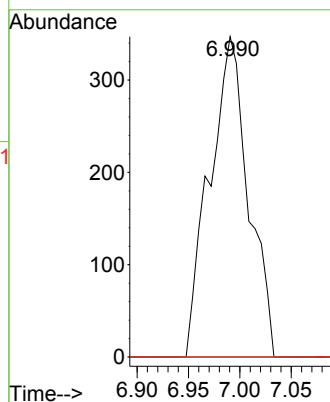
Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.685 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012999.D

Acq: 17 Mar 2023 20:06

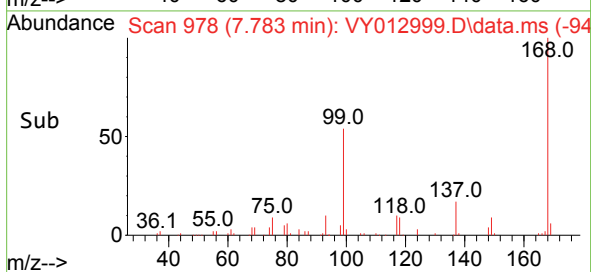
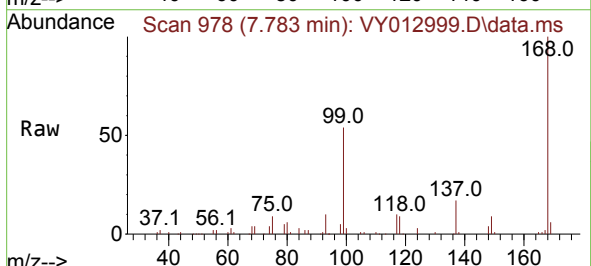
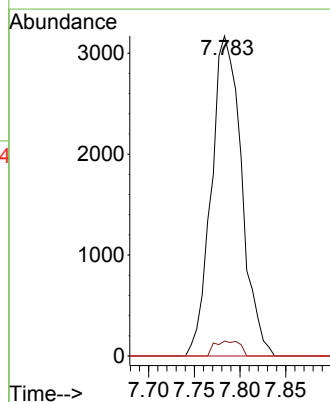
Tgt Ion: 117 Resp: 7285

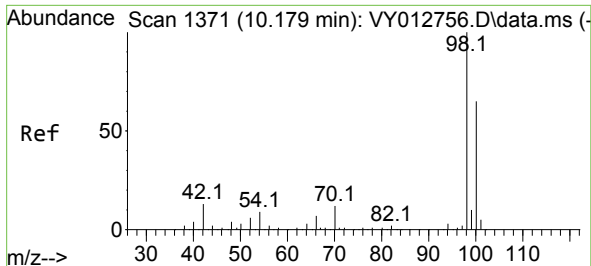
Ion Ratio Lower Upper

117 100

119 4.6 77.2 115.8#

121 0.0 24.7 37.1#

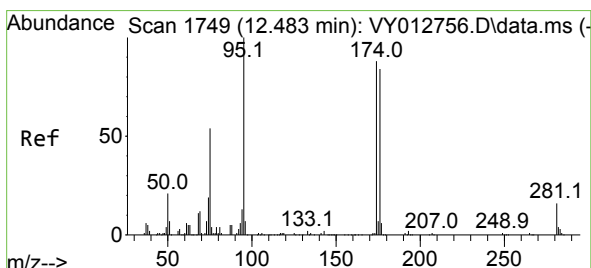
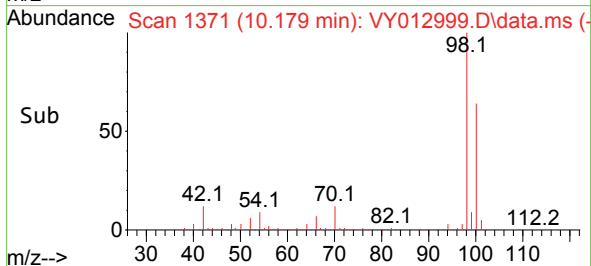
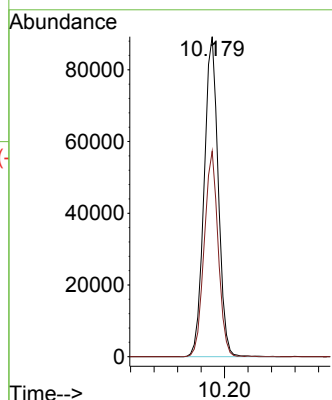
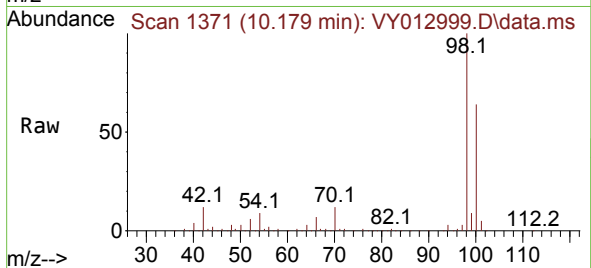




#50
Toluene-d8
Concen: 54.858 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

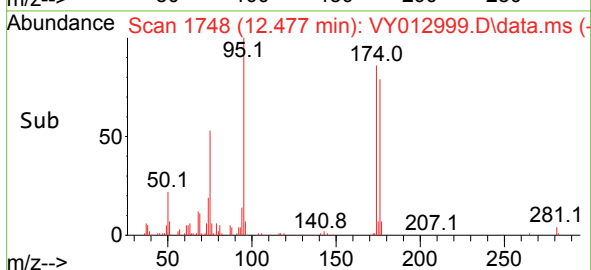
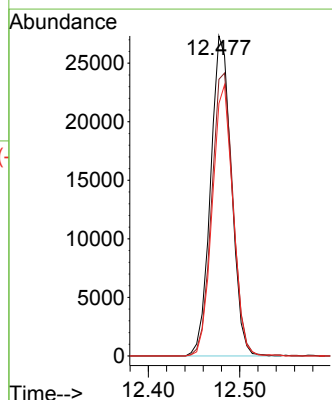
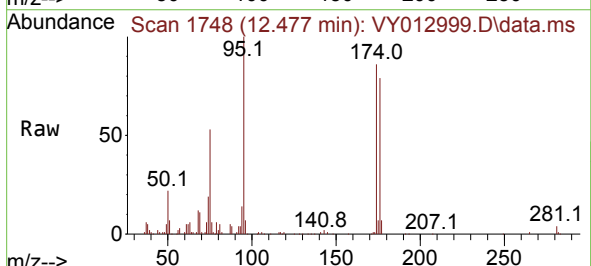
Instrument :
MSVOA_Y
ClientSampleId :

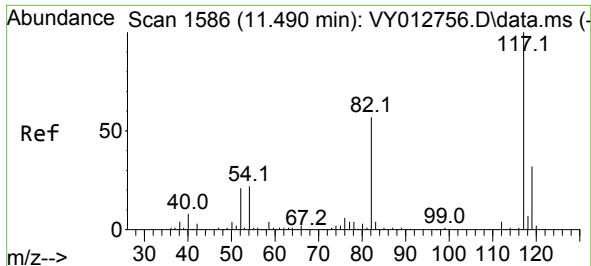
Tgt Ion: 98 Resp: 148506
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 47.275 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

Tgt Ion: 95 Resp: 43196
Ion Ratio Lower Upper
95 100
174 90.7 0.0 176.6
176 84.7 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: VY012999.D

Acq: 17 Mar 2023 20:06

Instrument :

MSVOA_Y

ClientSampleId :

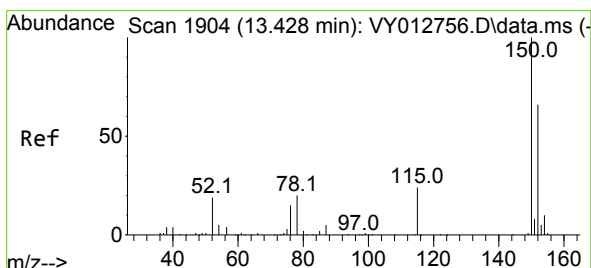
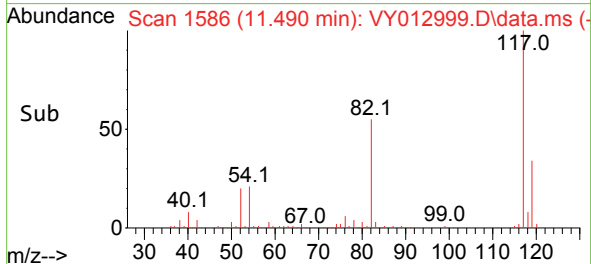
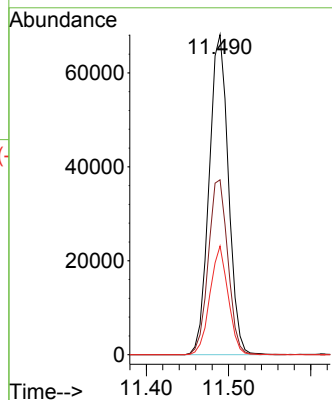
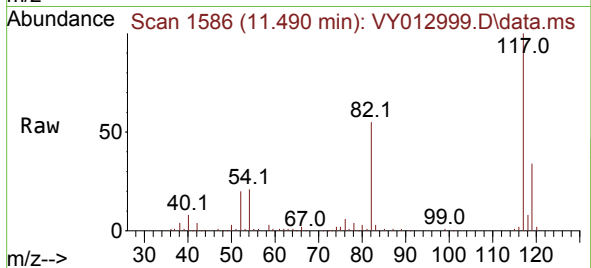
Tgt Ion:117 Resp: 110931

Ion Ratio Lower Upper

117 100

82 54.6 45.4 68.0

119 33.9 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: VY012999.D

Acq: 17 Mar 2023 20:06

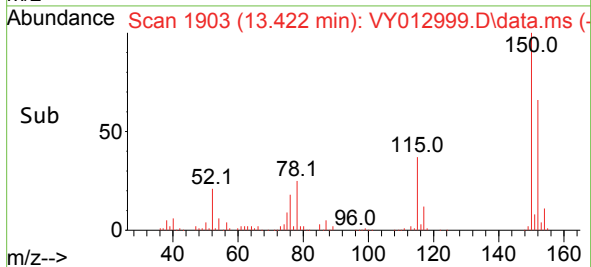
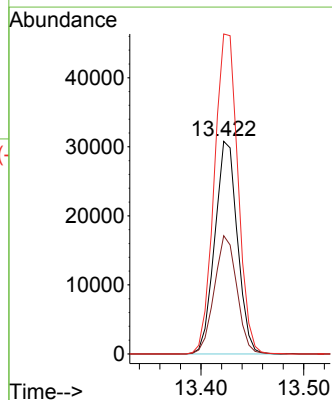
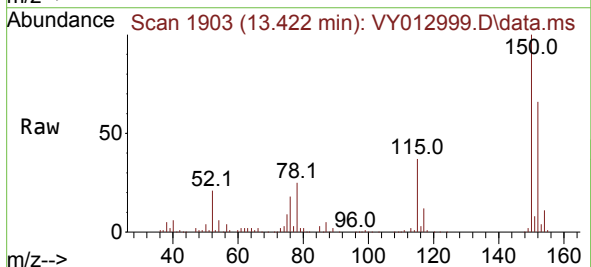
Tgt Ion:152 Resp: 46945

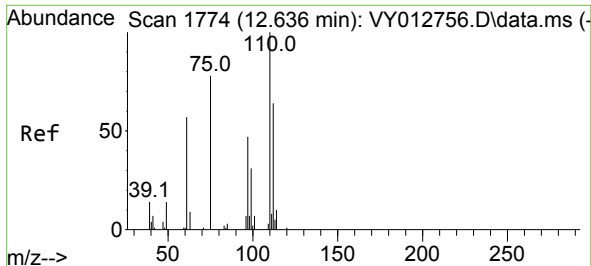
Ion Ratio Lower Upper

152 100

115 55.6 27.1 81.3

150 157.3 0.0 347.8

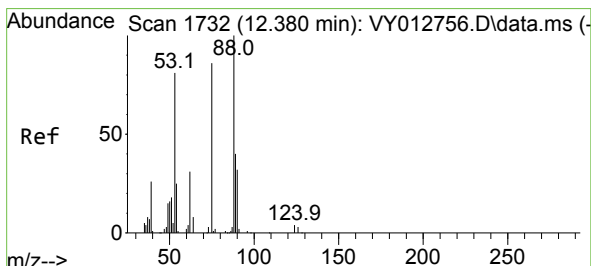
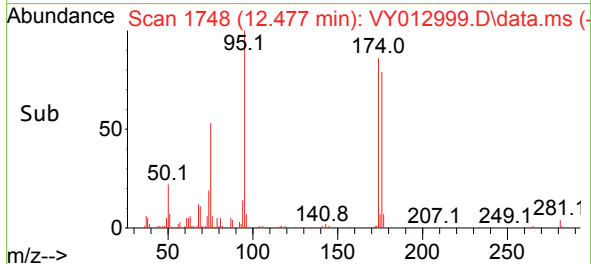
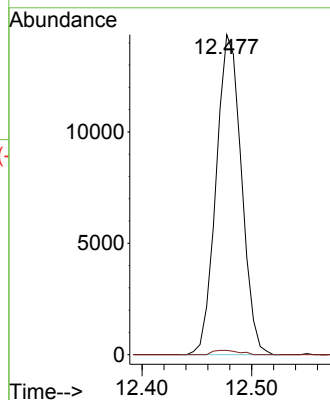
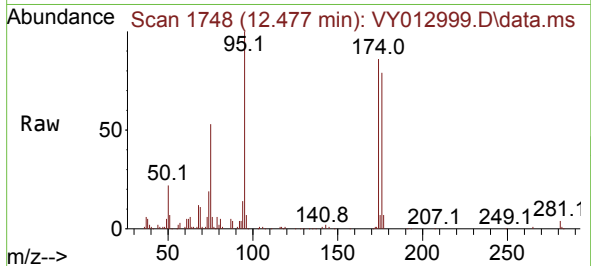




#76
1,2,3-Trichloropropane
Concen: 41.110 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

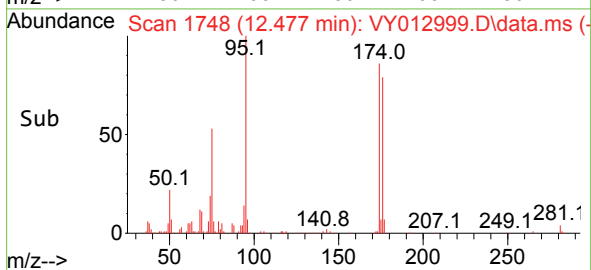
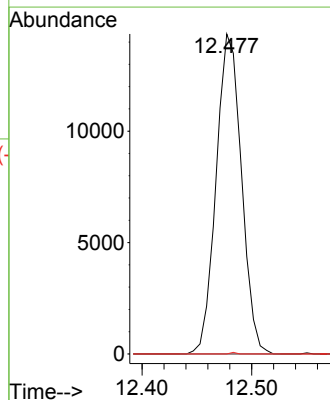
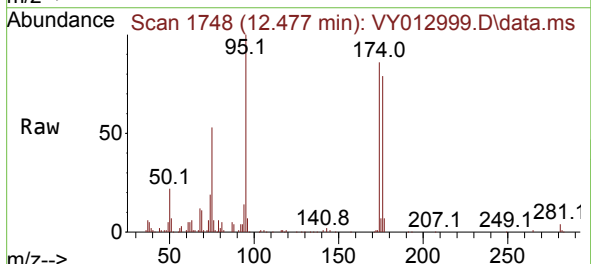
Instrument :
MSVOA_Y
ClientSampleId :

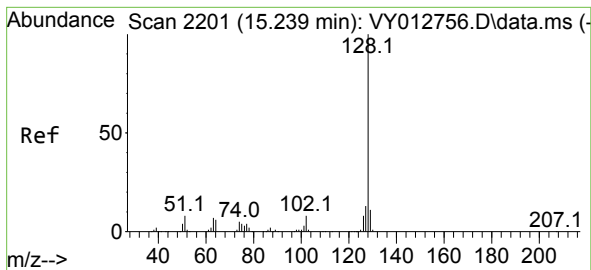
Tgt Ion: 75 Resp: 23046
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.180 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

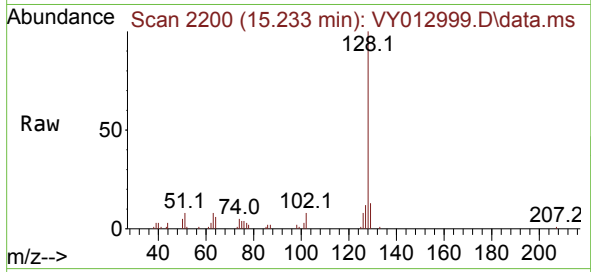
Tgt Ion: 75 Resp: 23046
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.1 36.6 55.0#





#95
Naphthalene
Concen: 7.801 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY012999.D
Acq: 17 Mar 2023 20:06

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 13563
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.5 8.6 13.0

