

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010254.D
 Acq On : 31 Aug 2022 18:38
 Operator : KP/MD
 Sample : N4426-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-344

Quant Time: Aug 31 23:42:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

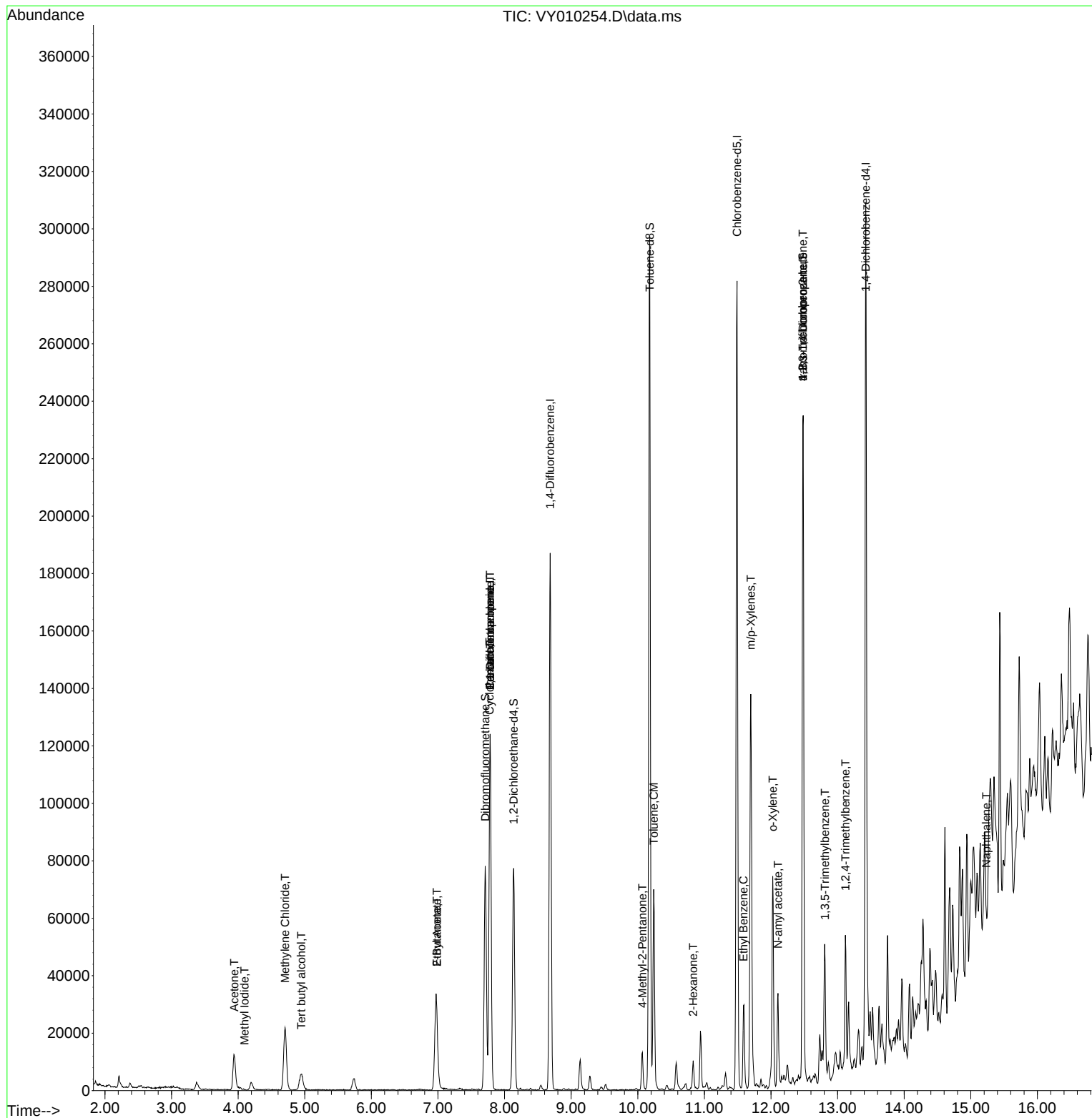
Internal Standards						
1) Pentafluorobenzene	7.783	168	101483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	168344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	161825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	58987	68.585	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.160%	
35) Dibromofluoromethane	7.710	113	54622	56.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.620%	
50) Toluene-d8	10.179	98	200538	55.599	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.200%	
62) 4-Bromofluorobenzene	12.477	95	69350	51.706	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.420%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	188	1.592	ug/l #	35
11) Tert butyl alcohol	4.948	59	11789	137.903	ug/l	96
16) Acetone	3.942	43	21877	121.773	ug/l #	87
20) Methylene Chloride	4.704	84	17506	16.549	ug/l #	82
25) 2-Butanone	6.984	43	8905	28.780	ug/l #	90
31) Cyclohexane	7.777	56	1629	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	6620	4.509	ug/l #	51
37) Ethyl Acetate	6.984	43	8905	11.508	ug/l #	83
38) Carbon Tetrachloride	7.783	117	9224	5.476	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	8664	10.973	ug/l	90
52) Toluene	10.240	92	28791	10.177	ug/l	95
59) 2-Hexanone	10.831	43	6620	10.988	ug/l	96
67) Ethyl Benzene	11.587	91	19513	3.429	ug/l	97
68) m/p-Xylenes	11.697	106	43739	19.272	ug/l	91
69) o-Xylene	12.026	106	18591	8.802	ug/l	94
74) N-amyl acetate	12.105	43	18184	12.562	ug/l #	54
76) 1,2,3-Trichloropropane	12.477	75	33989	42.030	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	6695	1.417	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.477	75	33989	87.689	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	24933	5.375	ug/l	96
95) Naphthalene	15.233	128	4379	1.333	ug/l #	73

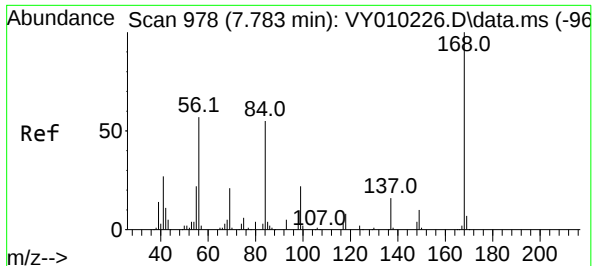
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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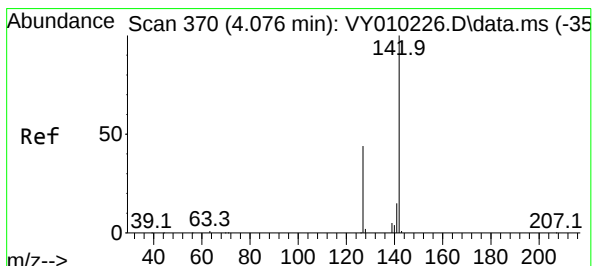
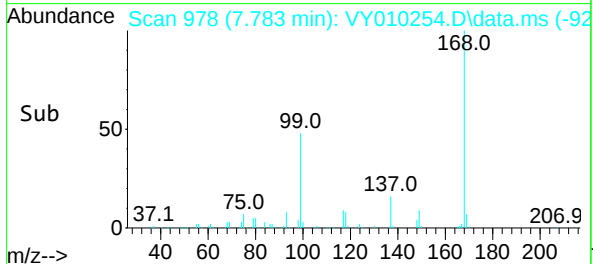
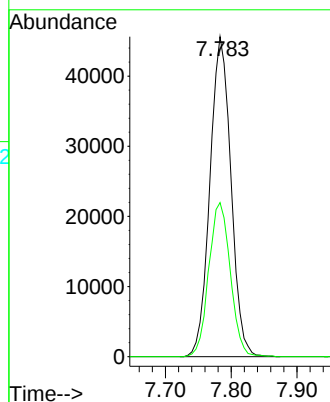
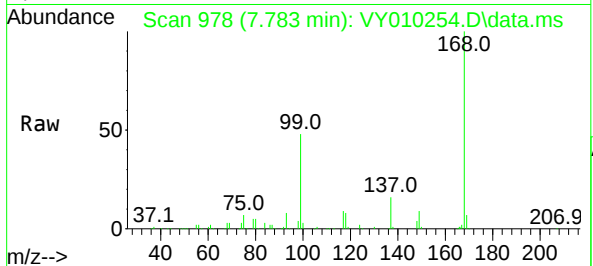




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010254.D
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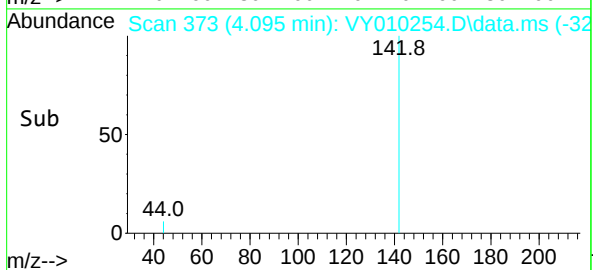
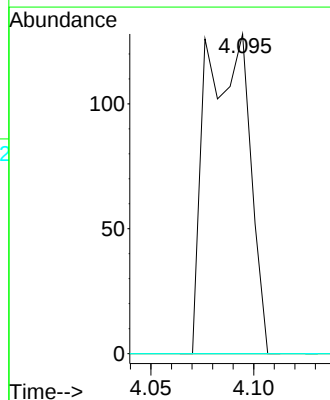
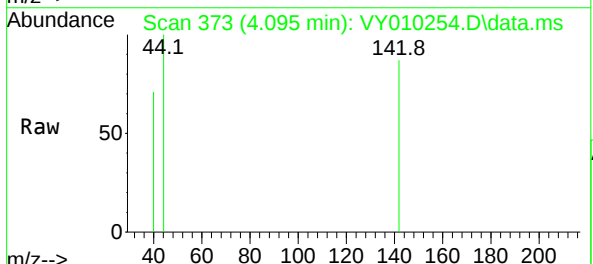
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

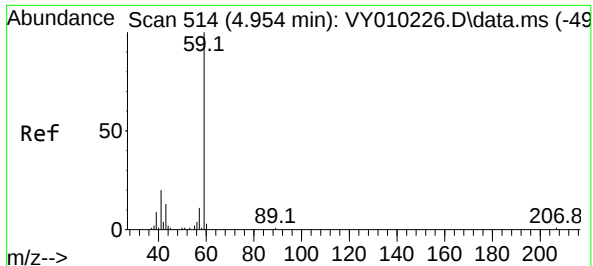
Tgt Ion:168 Resp: 101483
Ion Ratio Lower Upper
168 100
99 48.2 46.9 70.3



#10
Methyl Iodide
Concen: 1.592 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.019 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Tgt Ion:142 Resp: 188
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 137.903 ug/l

RT: 4.948 min Scan# 514

Delta R.T. -0.006 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

Instrument :

MSVOA_Y

ClientSampleId :

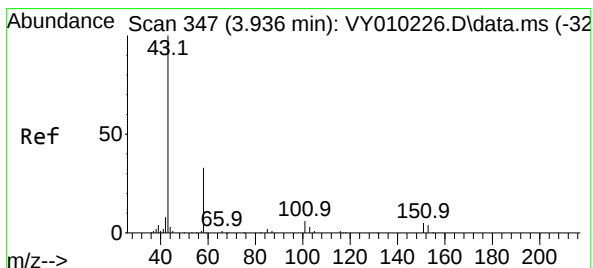
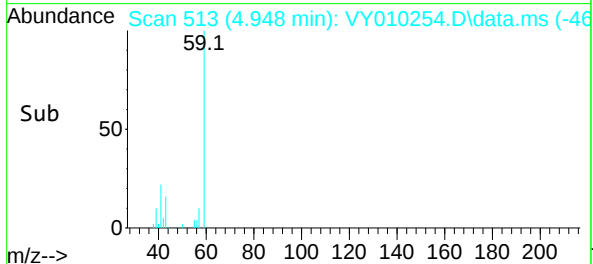
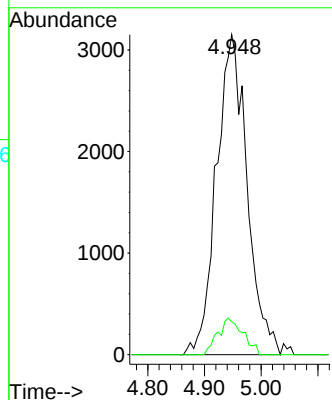
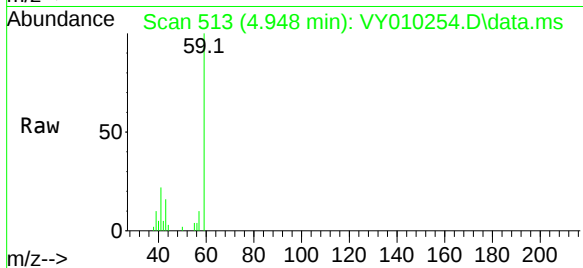
ETGI-344

Tgt Ion: 59 Resp: 11789

Ion Ratio Lower Upper

59 100

57 9.3 6.4 9.6



#16

Acetone

Concen: 121.773 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY010254.D

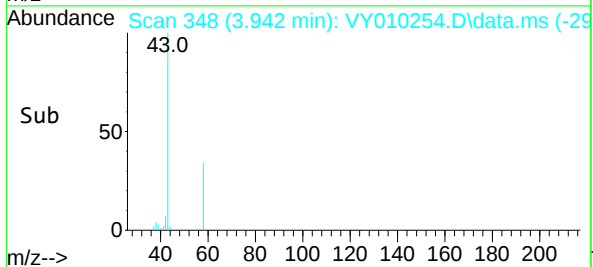
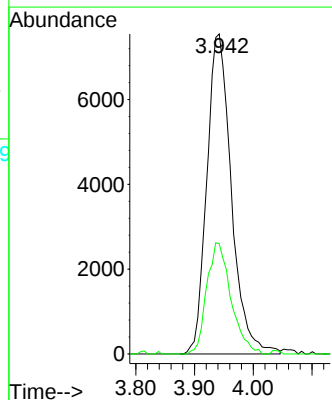
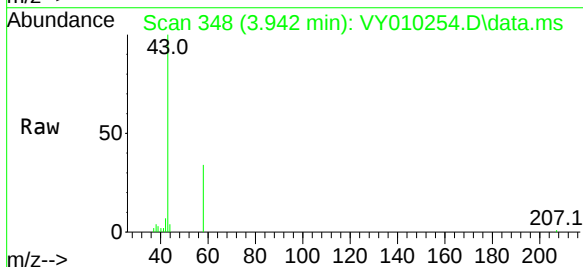
Acq: 31 Aug 2022 18:38

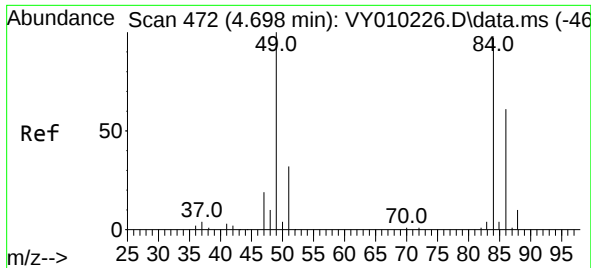
Tgt Ion: 43 Resp: 21877

Ion Ratio Lower Upper

43 100

58 34.5 22.0 33.0#

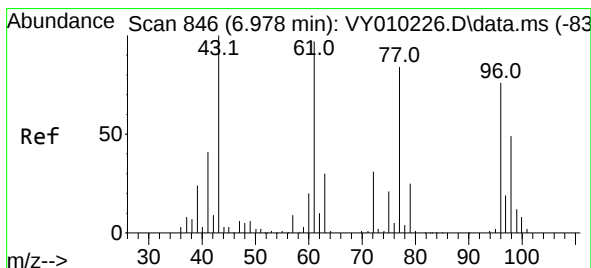
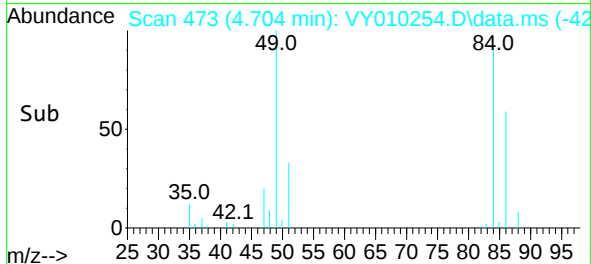
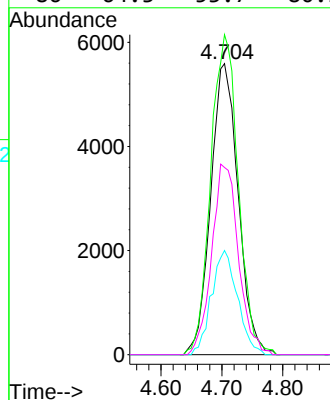
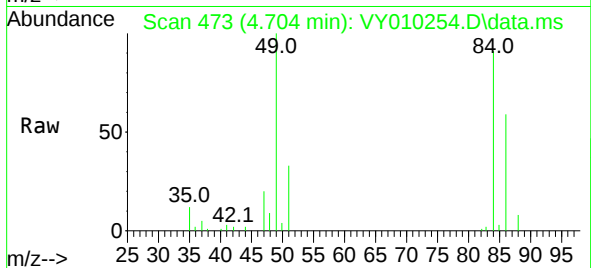




#20
Methylene Chloride
Concen: 16.549 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

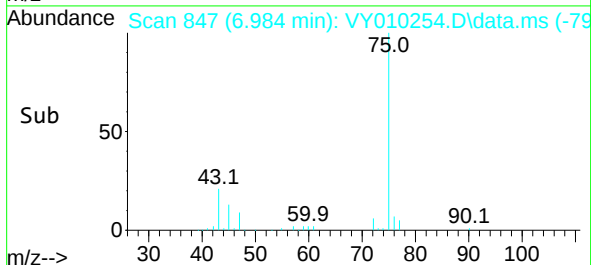
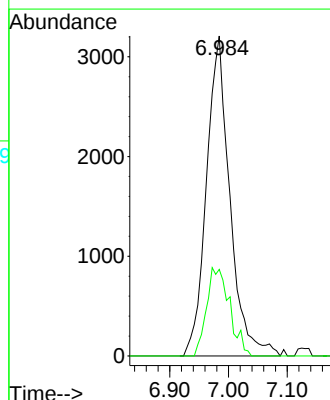
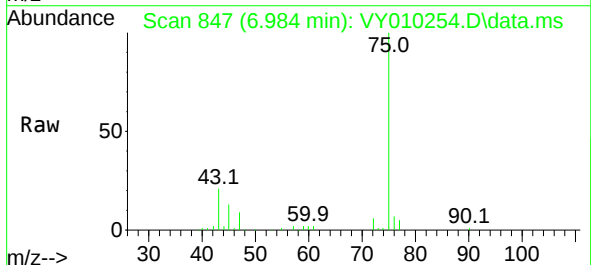
Instrument :
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ETGI-344

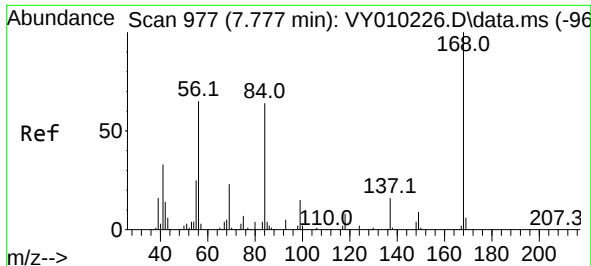
Tgt Ion: 84 Resp: 17506
Ion Ratio Lower Upper
84 100
49 109.9 114.4 171.6#
51 35.8 35.3 52.9
86 64.3 53.7 80.5



#25
2-Butanone
Concen: 28.780 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Tgt Ion: 43 Resp: 8905
Ion Ratio Lower Upper
43 100
72 27.0 17.7 26.5#

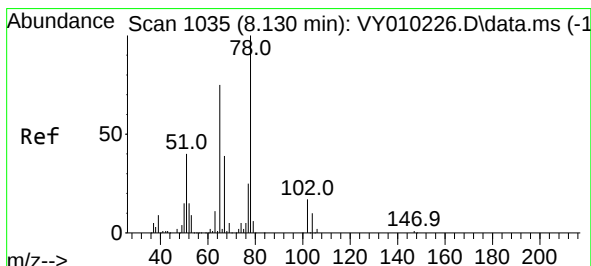
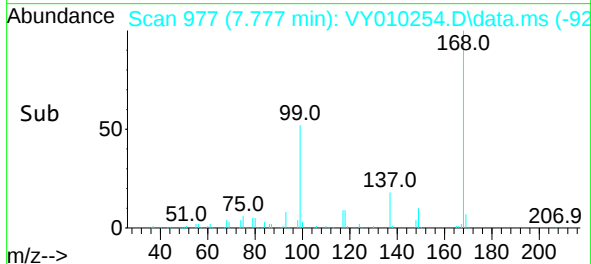
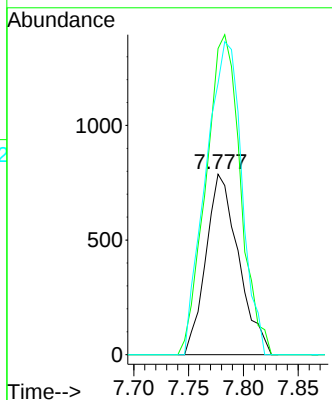
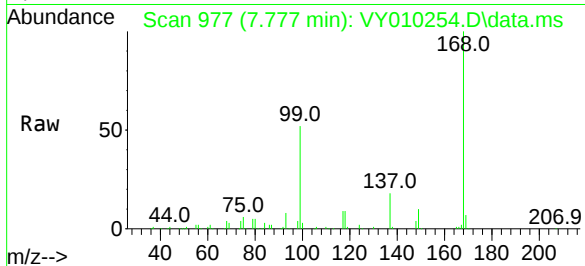




#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

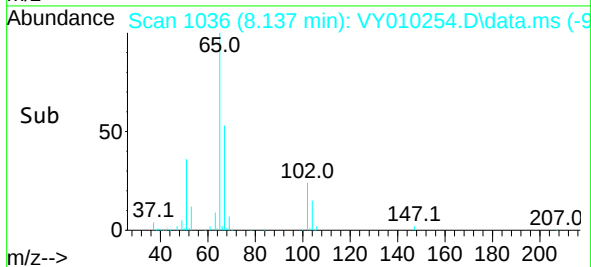
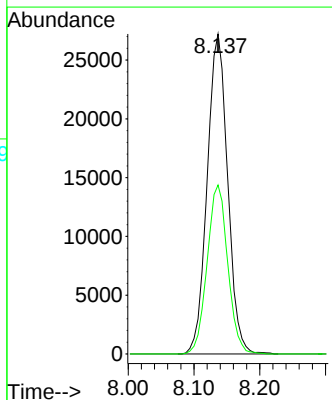
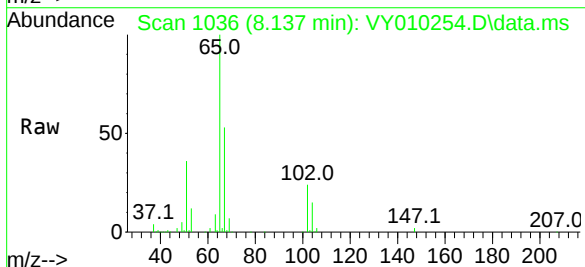
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

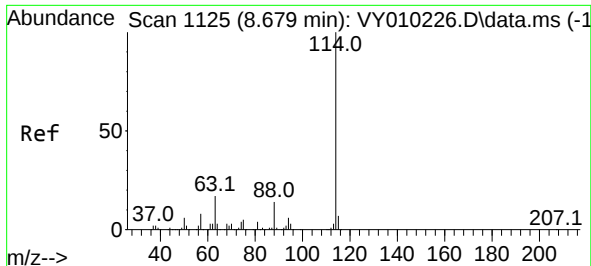
Tgt Ion: 56 Resp: 1629
Ion Ratio Lower Upper
56 100
69 169.6 26.7 40.1#
84 150.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.585 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Tgt Ion: 65 Resp: 58987
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-344

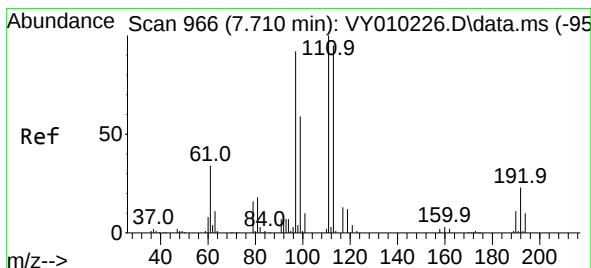
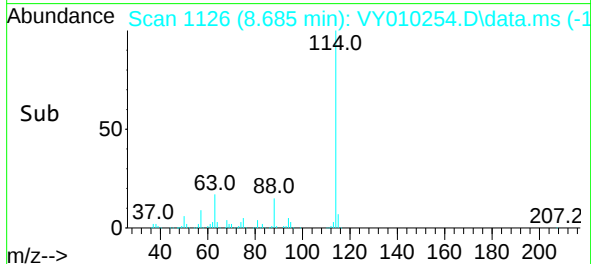
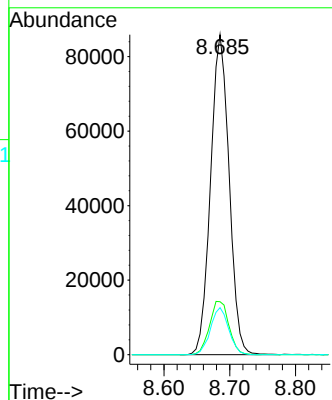
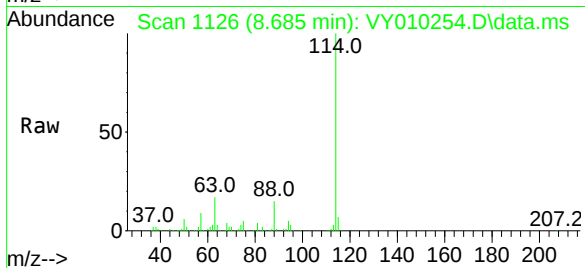
Tgt Ion:114 Resp: 168344

Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.314 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

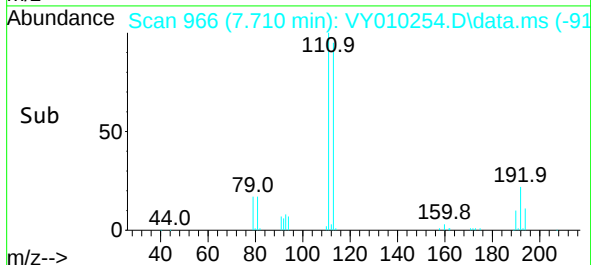
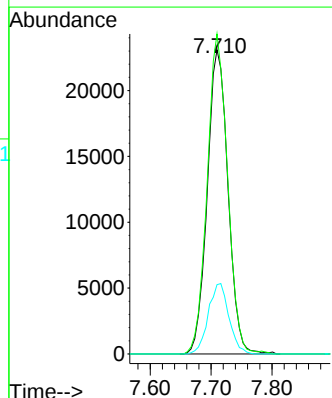
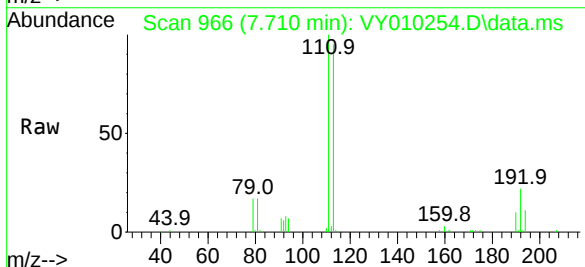
Tgt Ion:113 Resp: 54622

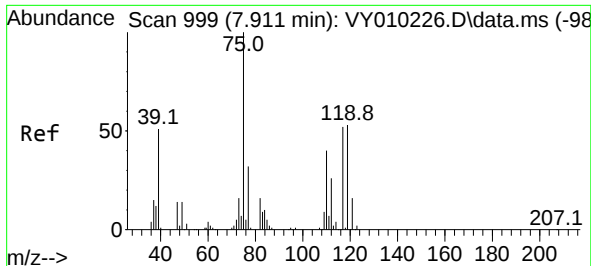
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 23.0 17.6 26.4

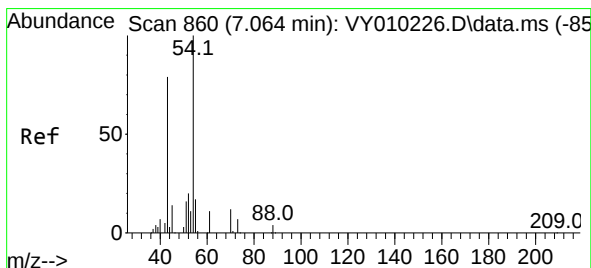
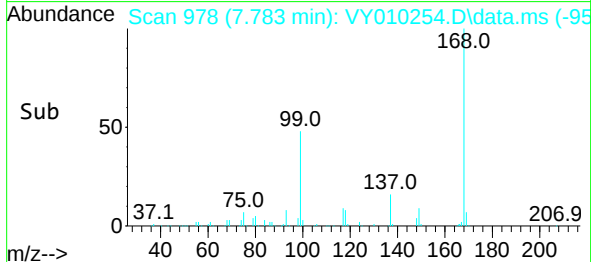
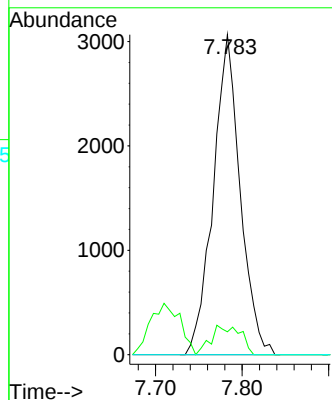
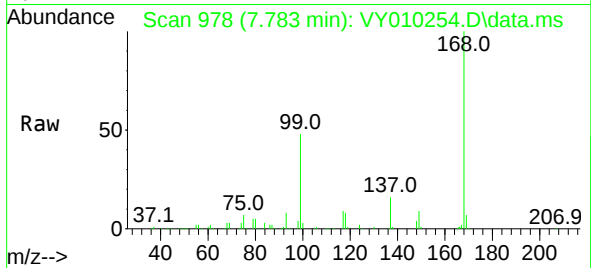




#36
1,1-Dichloropropene
Concen: 4.509 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

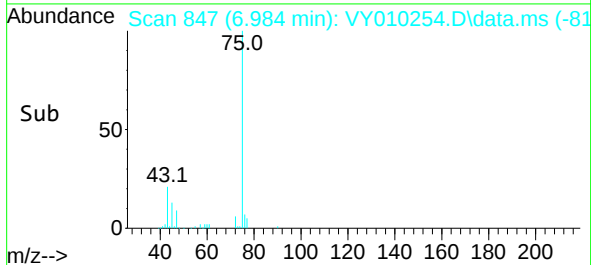
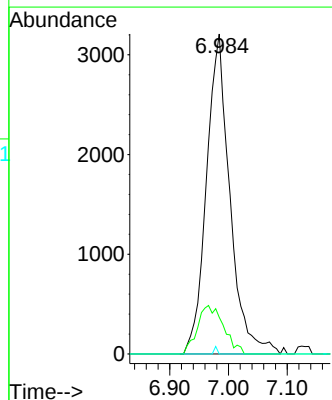
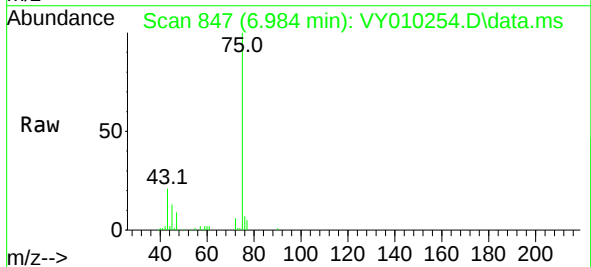
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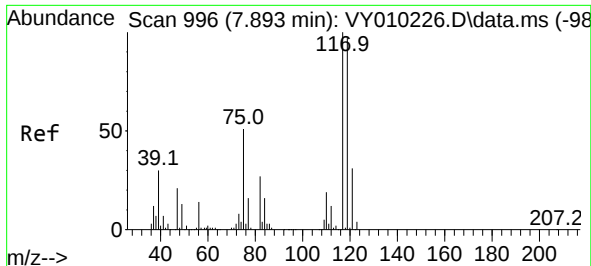
Tgt Ion: 75 Resp: 6620
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 11.508 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

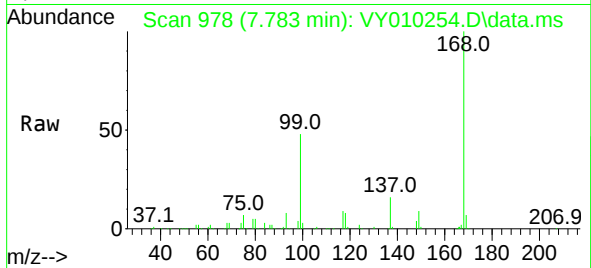
Tgt Ion: 43 Resp: 8905
Ion Ratio Lower Upper
43 100
61 17.0 9.7 14.5#
70 0.3 7.1 10.7#



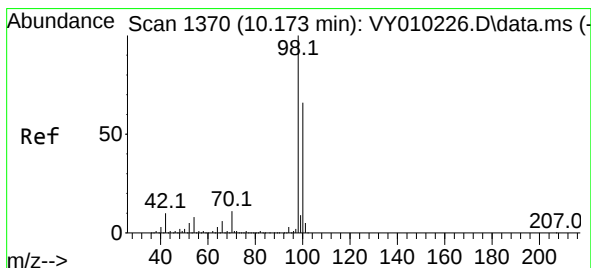
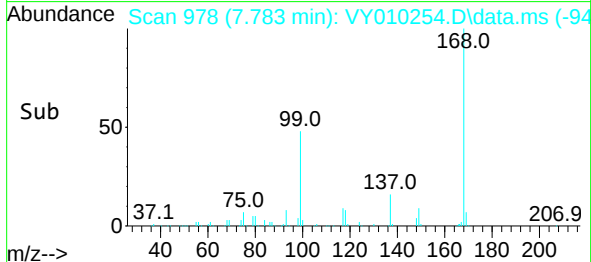
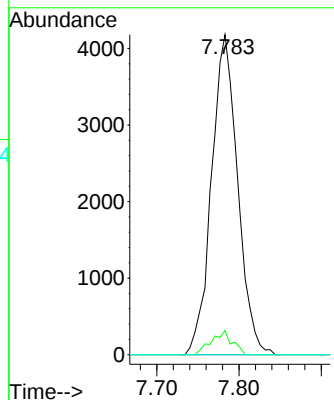


#38
Carbon Tetrachloride
Concen: 5.476 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

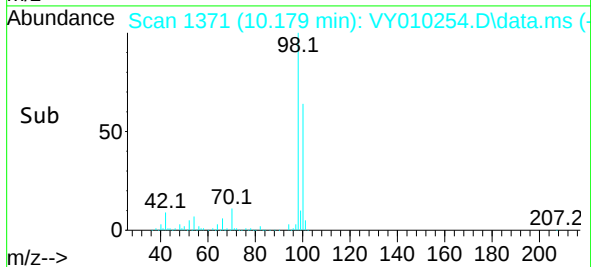
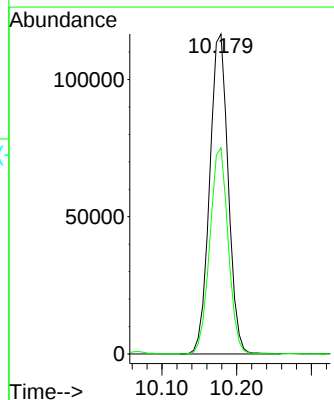
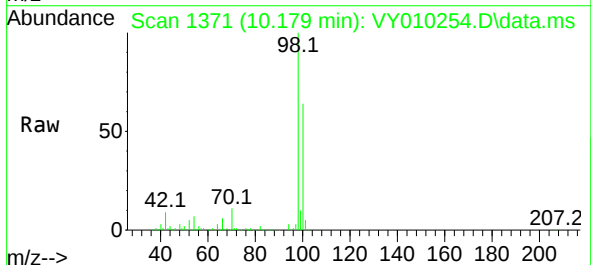


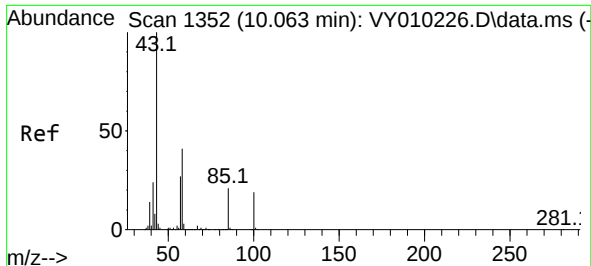
Tgt Ion:117 Resp: 9224
Ion Ratio Lower Upper
117 100
119 7.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.599 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Tgt Ion: 98 Resp: 200538
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

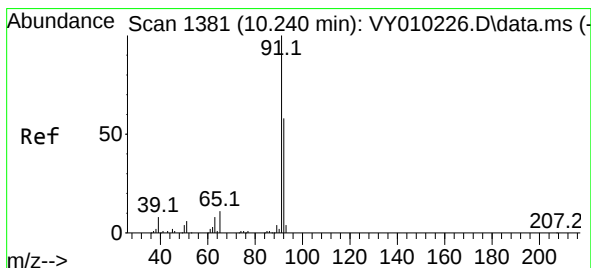
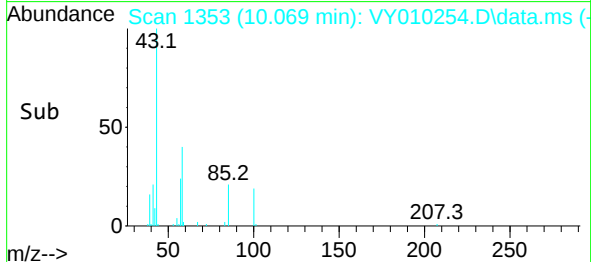
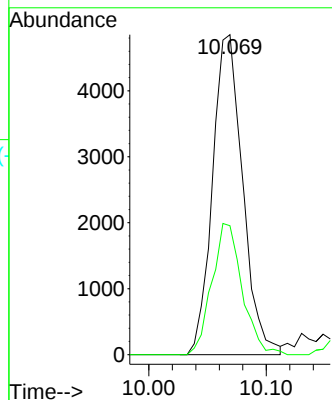
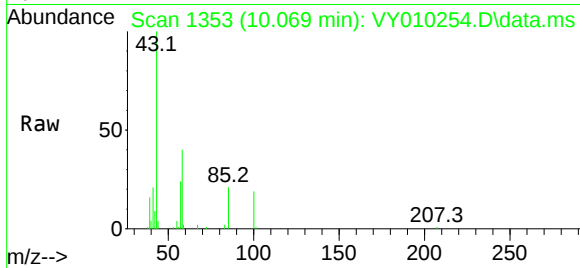




#51
4-Methyl-2-Pentanone
Concen: 10.973 ug/l
RT: 10.069 min Scan# 1352
Delta R.T. 0.006 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

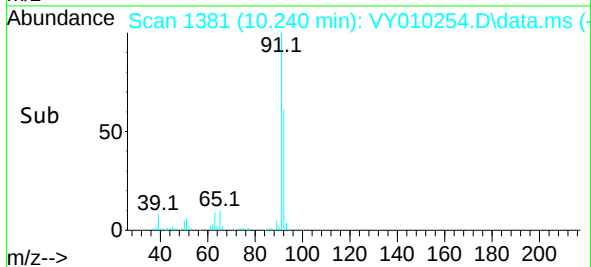
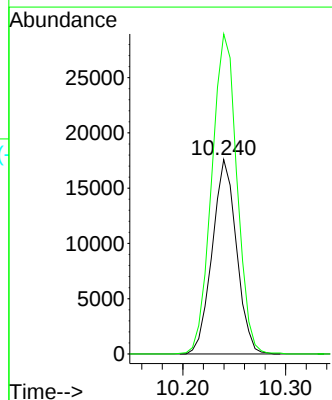
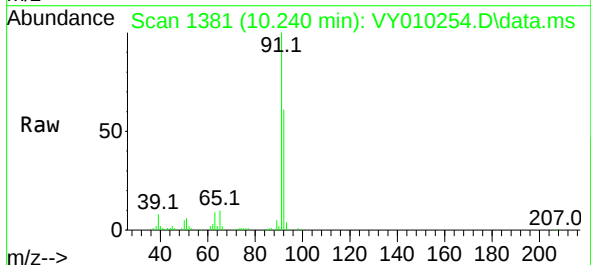
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

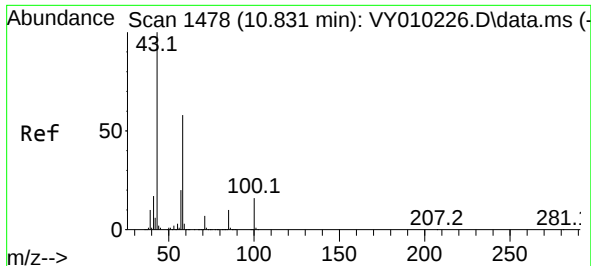
Tgt Ion: 43 Resp: 8664
Ion Ratio Lower Upper
43 100
58 41.1 28.1 42.1



#52
Toluene
Concen: 10.177 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Tgt Ion: 92 Resp: 28791
Ion Ratio Lower Upper
92 100
91 171.5 142.6 213.8

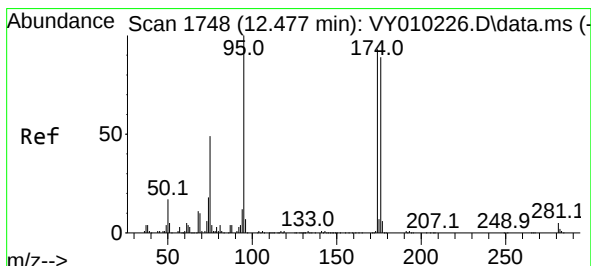
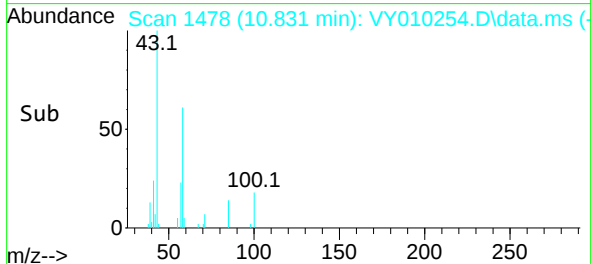
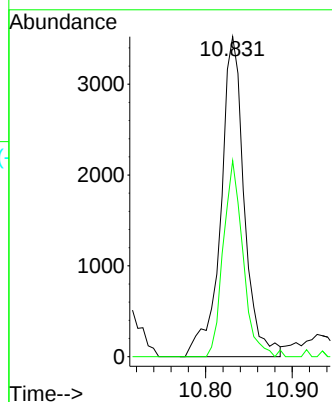
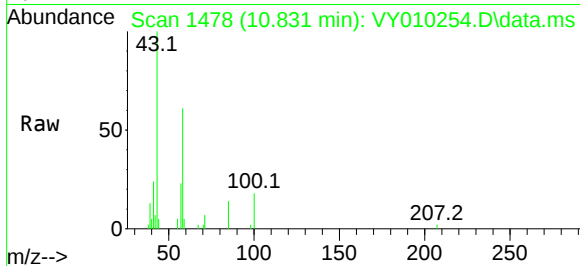




#59
2-Hexanone
Concen: 10.988 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

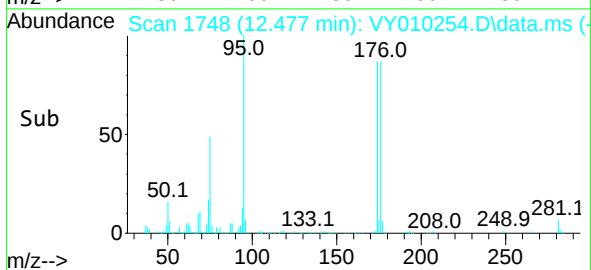
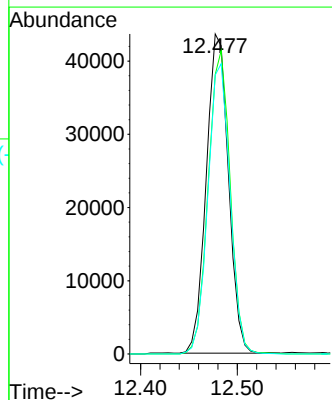
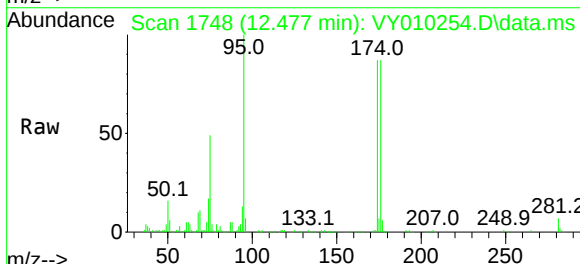
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

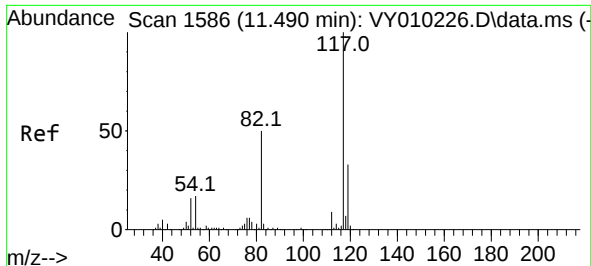
Tgt Ion: 43 Resp: 6620
Ion Ratio Lower Upper
43 100
58 51.7 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 51.706 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Tgt Ion: 95 Resp: 69350
Ion Ratio Lower Upper
95 100
174 94.5 0.0 177.0
176 91.1 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-344

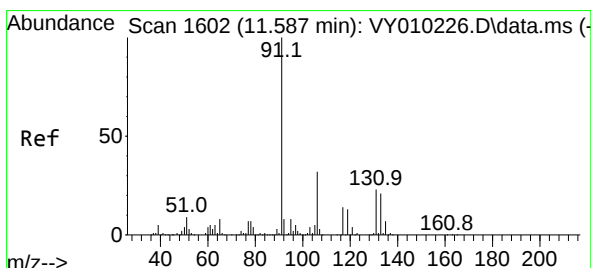
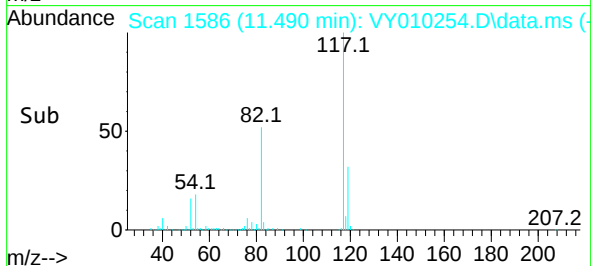
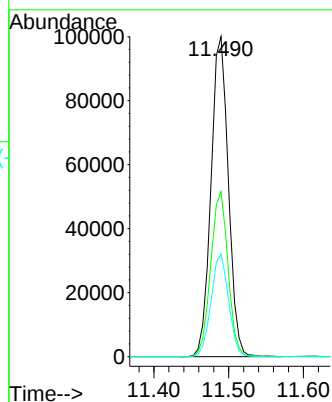
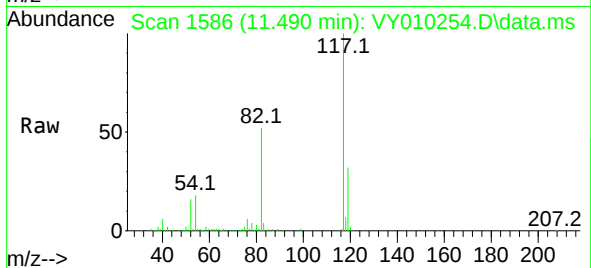
Tgt Ion:117 Resp: 161825

Ion Ratio Lower Upper

117 100

82 51.6 43.0 64.4

119 32.2 25.4 38.0



#67

Ethyl Benzene

Concen: 3.429 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY010254.D

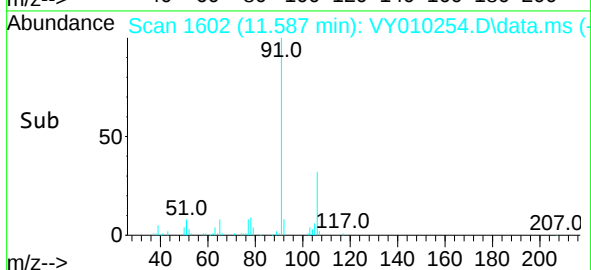
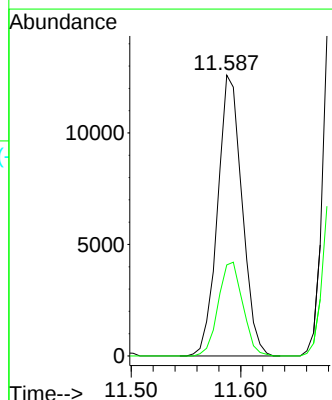
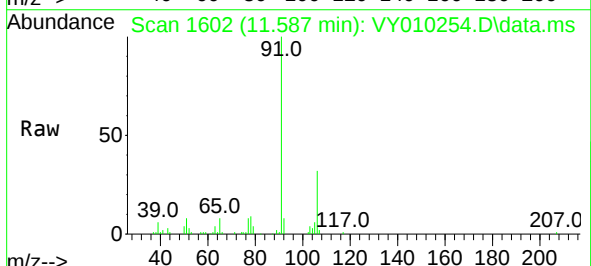
Acq: 31 Aug 2022 18:38

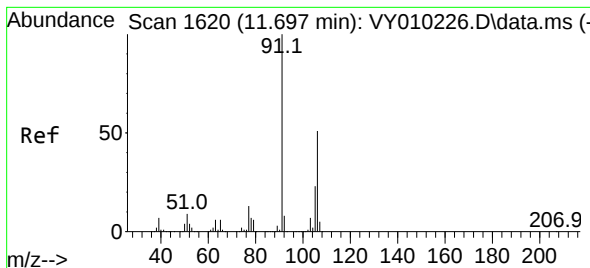
Tgt Ion: 91 Resp: 19513

Ion Ratio Lower Upper

91 100

106 32.5 24.5 36.7

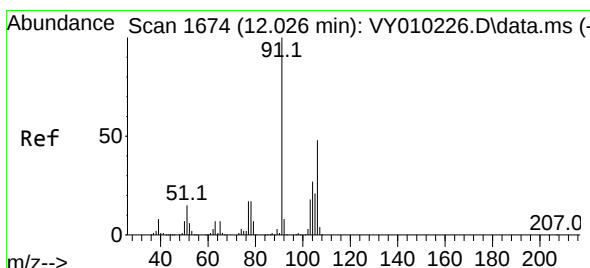
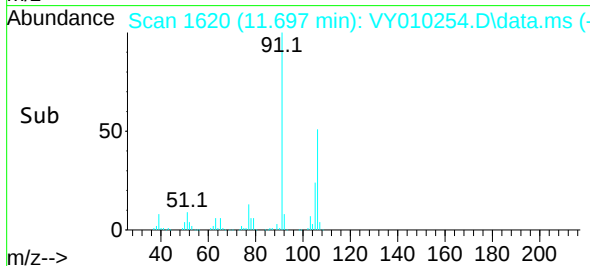
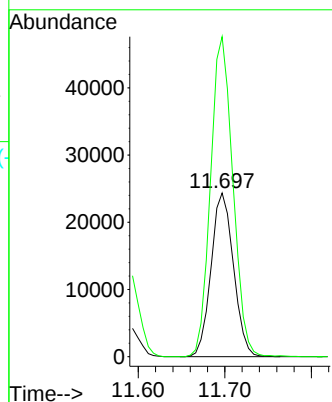
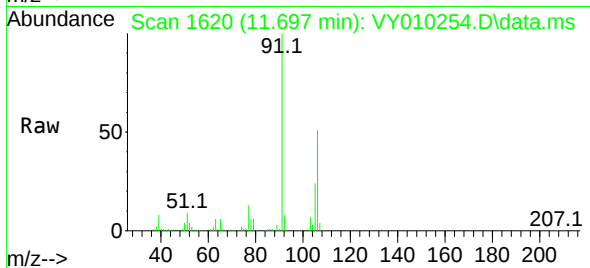




#68
m/p-Xylenes
Concen: 19.272 ug/l
RT: 11.697 min Scan# 11620
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

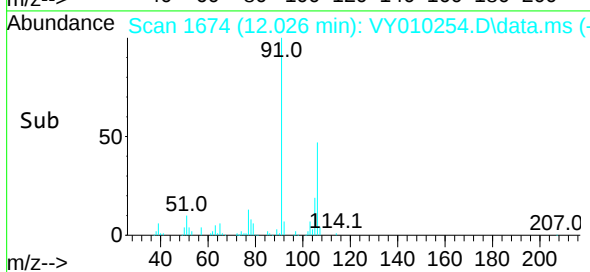
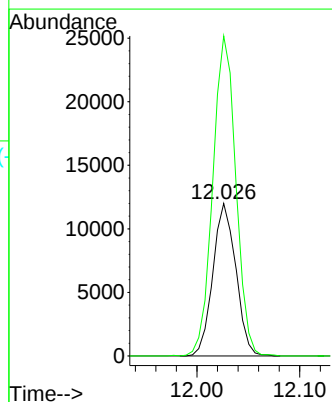
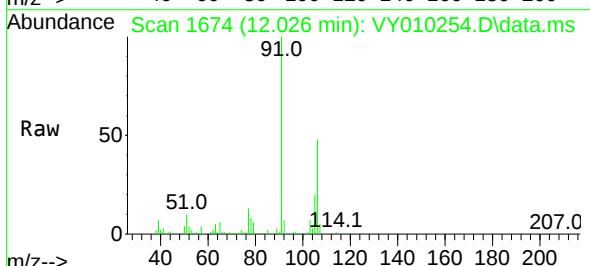
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

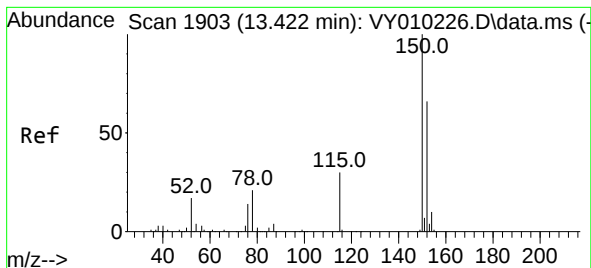
Tgt Ion:106 Resp: 43739
Ion Ratio Lower Upper
106 100
91 194.9 166.6 249.8



#69
o-Xylene
Concen: 8.802 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Tgt Ion:106 Resp: 18591
Ion Ratio Lower Upper
106 100
91 210.7 110.3 331.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-344

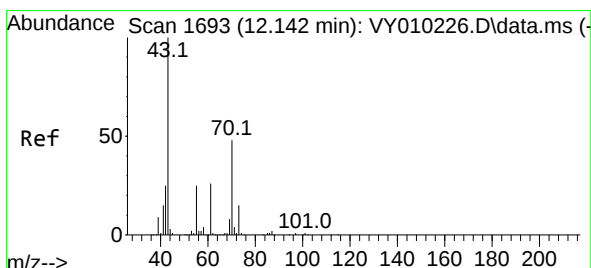
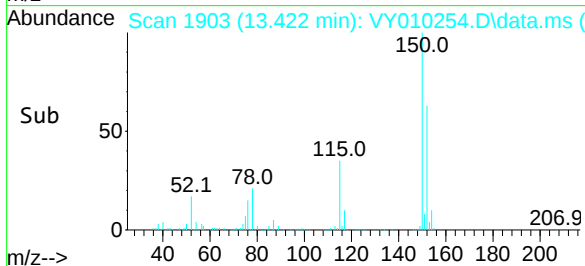
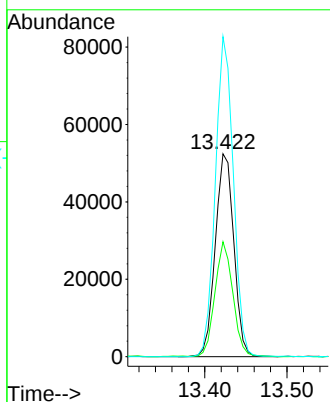
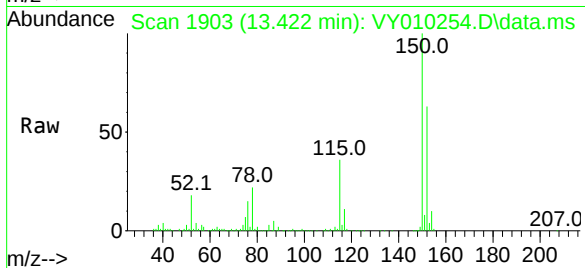
Tgt Ion:152 Resp: 82241

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

150 153.1 0.0 347.6



#74

N-ethyl acetate

Concen: 12.562 ug/l

RT: 12.105 min Scan# 1687

Delta R.T. -0.037 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

Tgt Ion: 43 Resp: 18184

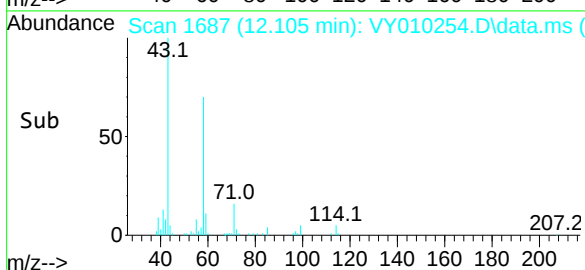
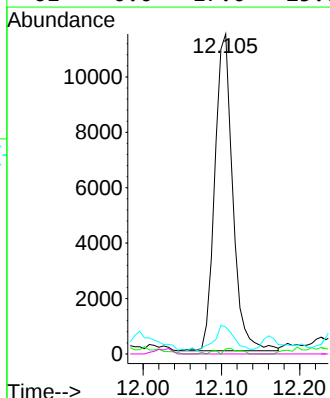
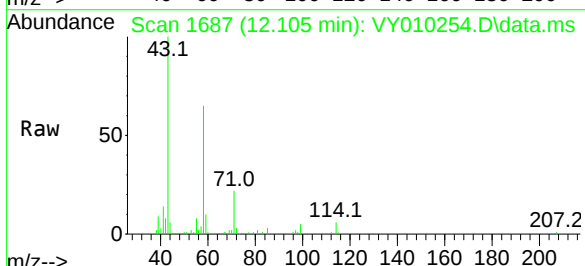
Ion Ratio Lower Upper

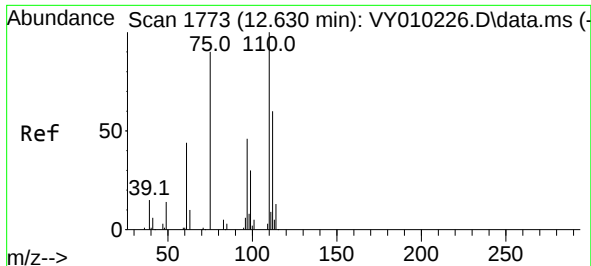
43 100

70 2.0 28.7 43.1#

55 8.8 17.3 25.9#

61 0.0 17.0 25.6#

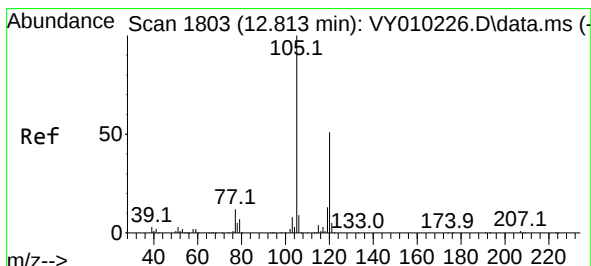
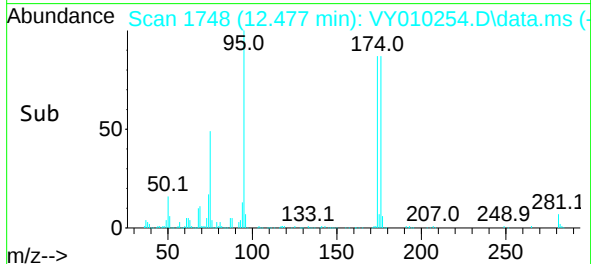
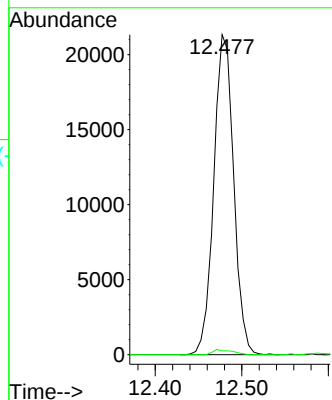
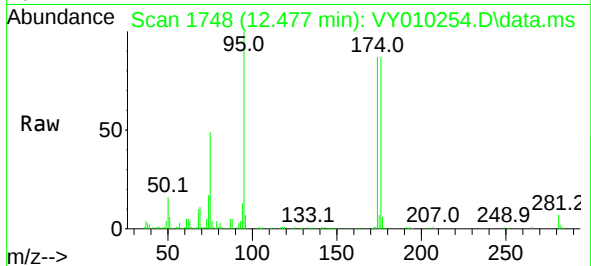




#76
1,2,3-Trichloropropane
Concen: 42.030 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

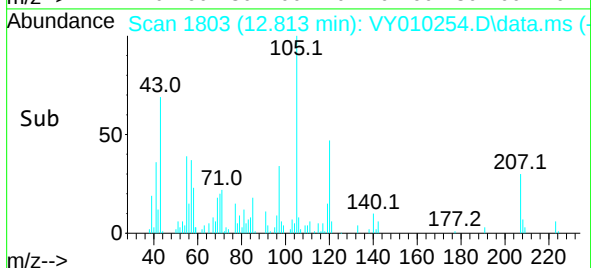
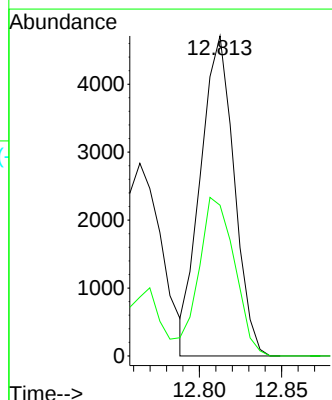
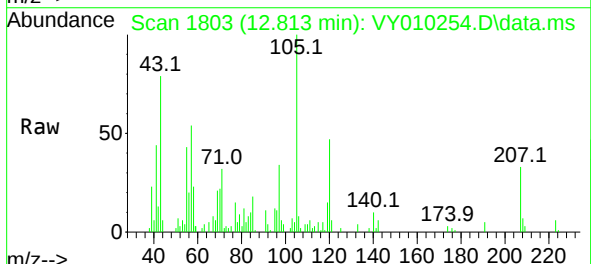
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

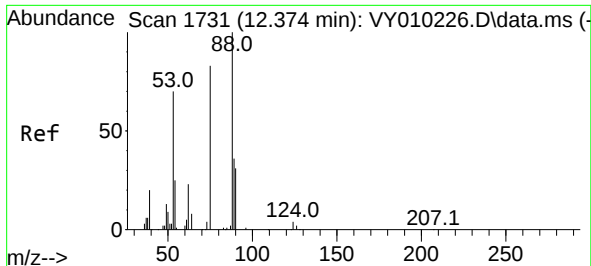
Tgt Ion: 75 Resp: 33989
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.417 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Tgt Ion: 105 Resp: 6695
Ion Ratio Lower Upper
105 100
120 53.3 24.4 73.4

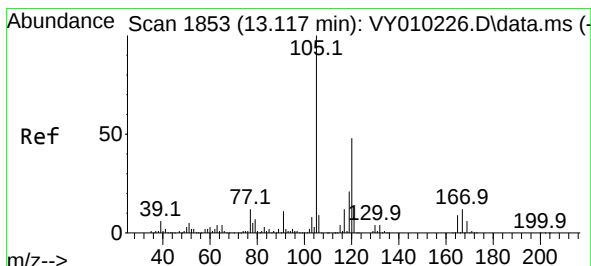
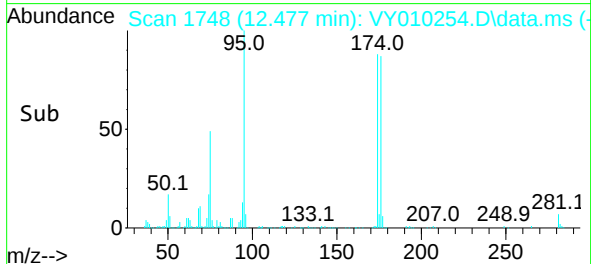
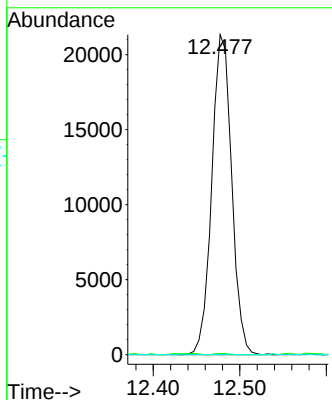
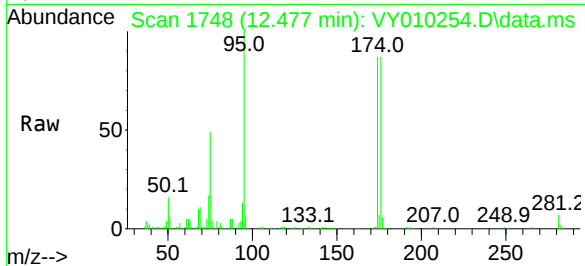




#81
trans-1,4-Dichloro-2-butene
Concen: 87.689 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

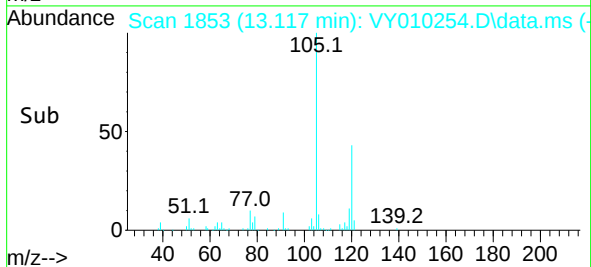
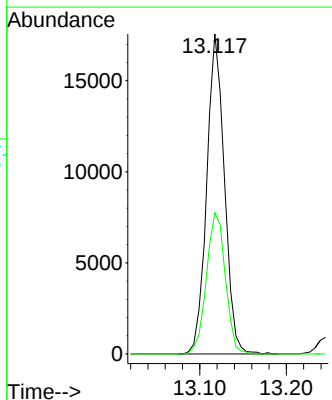
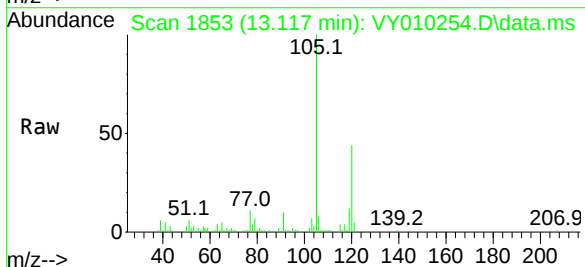
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

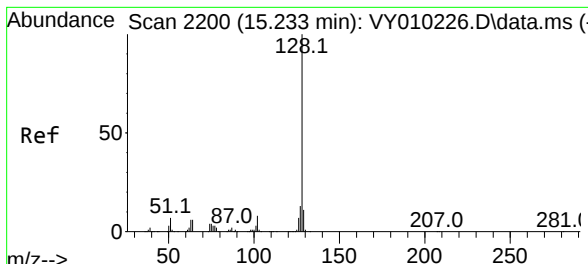
Tgt Ion: 75 Resp: 33989
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 5.375 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

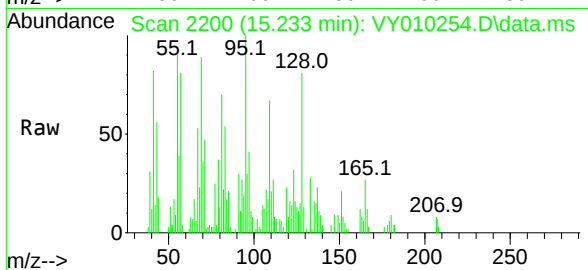
Tgt Ion: 105 Resp: 24933
Ion Ratio Lower Upper
105 100
120 47.1 22.3 66.9





#95
Naphthalene
Concen: 1.333 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344



Tgt Ion:	128	Resp:	4379
Ion	Ratio	Lower	Upper
128	100		
127	24.2	11.0	16.4#
129	21.3	8.4	12.6#

