

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)

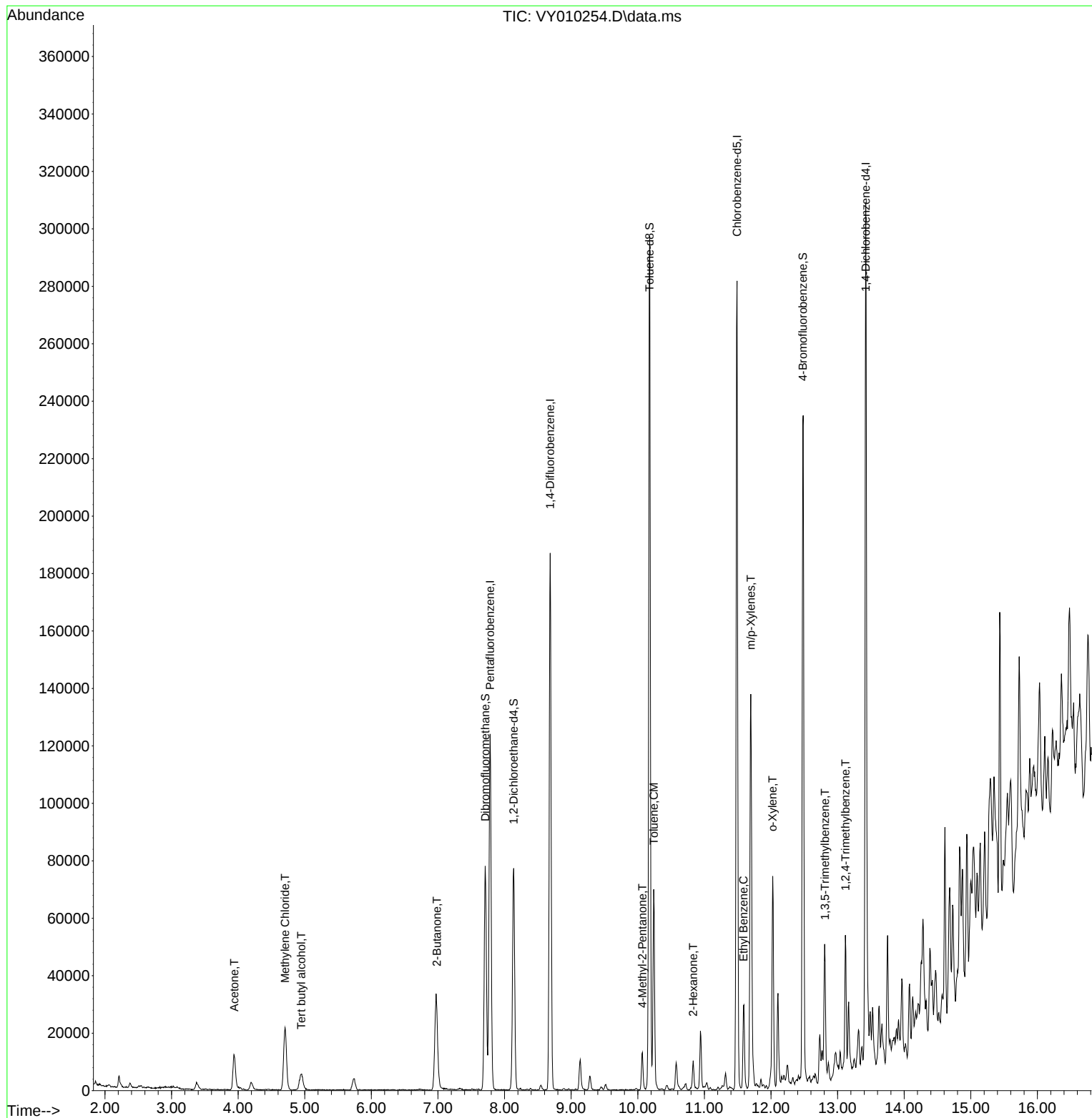
Internal Standards						
1) Pentafluorobenzene	7.783	168	101483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	168344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	161825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
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
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
80) 1,3,5-Trimethylbenzene	12.813	105	6695	1.417	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	24933	5.375	ug/l	96

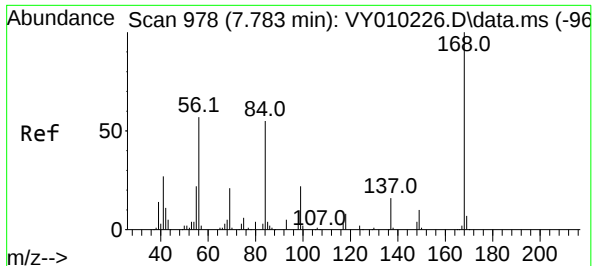
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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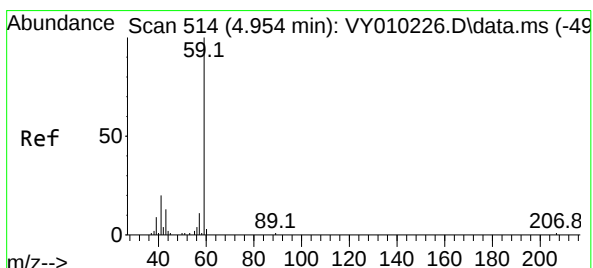
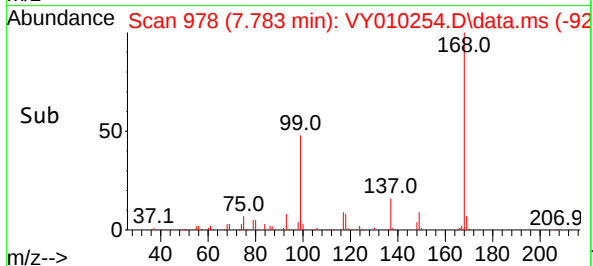
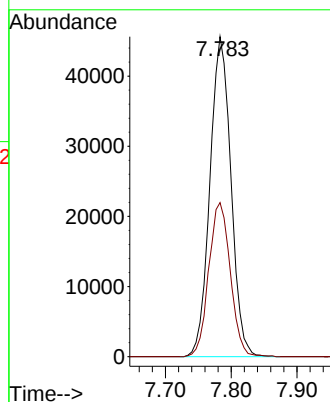
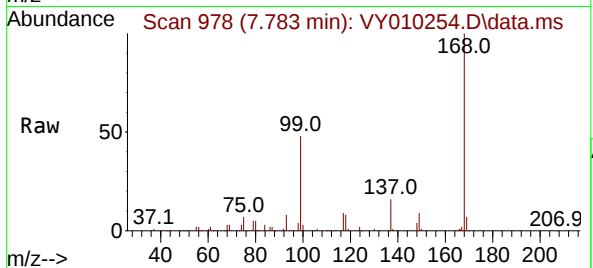




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

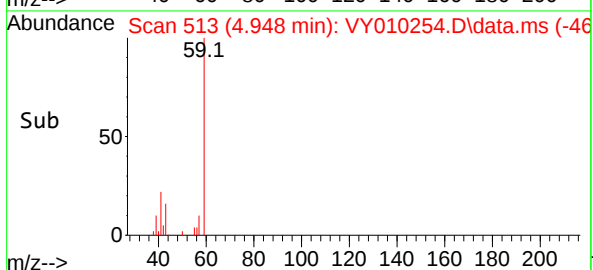
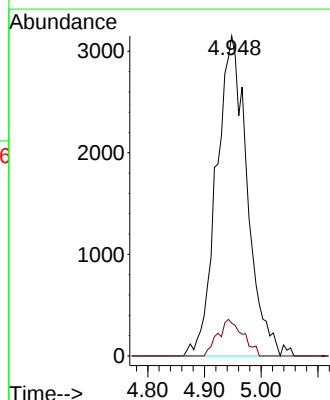
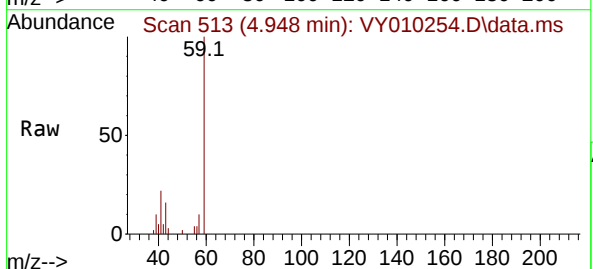
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

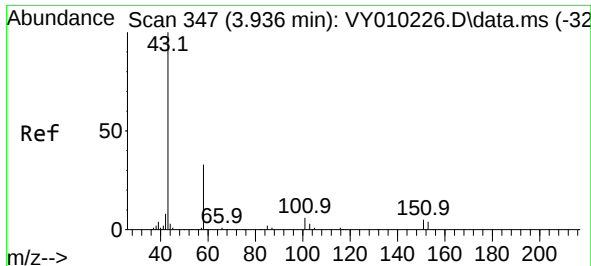
Tgt Ion:168 Resp: 101483
Ion Ratio Lower Upper
168 100
99 48.2 46.9 70.3



#11
Tert butyl alcohol
Concen: 137.903 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

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# 34

Delta R.T. 0.006 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

Instrument :

MSVOA_Y

ClientSampleId :

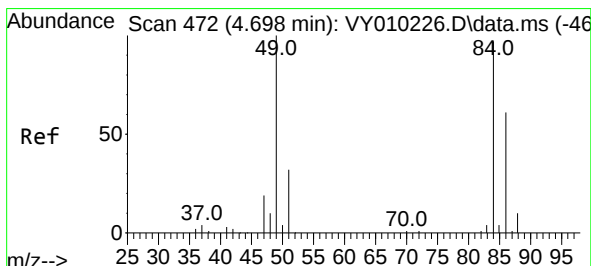
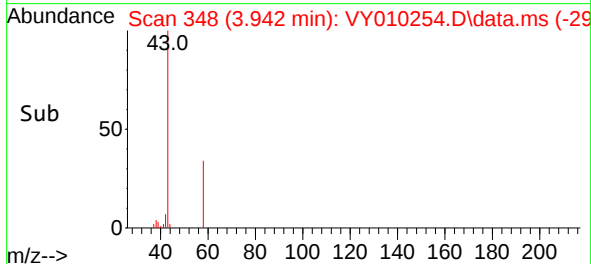
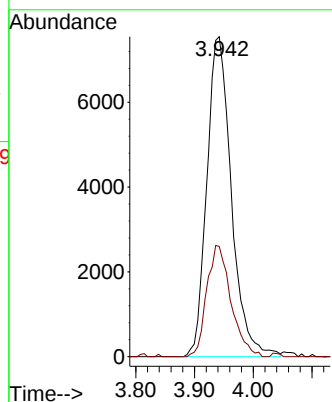
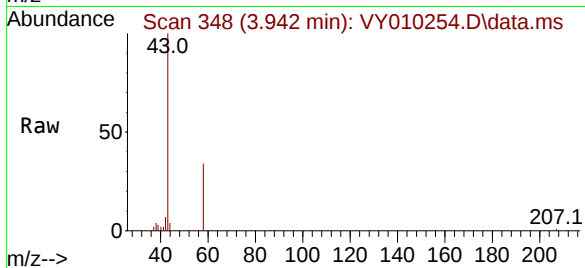
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Tgt Ion: 43 Resp: 21877

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# 473

Delta R.T. 0.006 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

Tgt Ion: 84 Resp: 17506

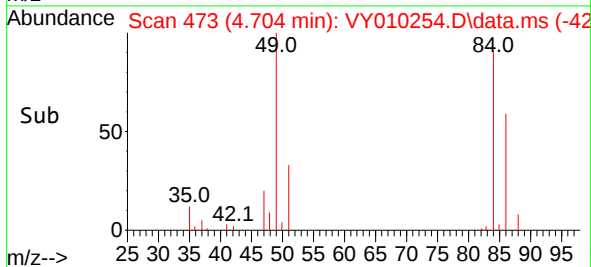
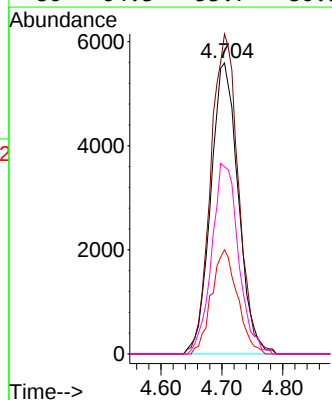
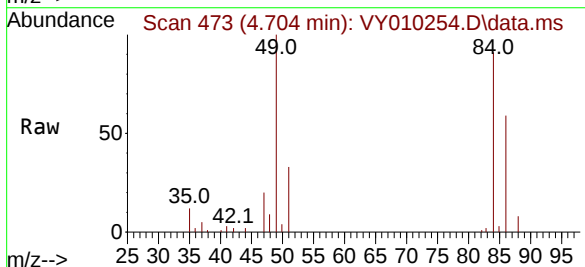
Ion Ratio Lower Upper

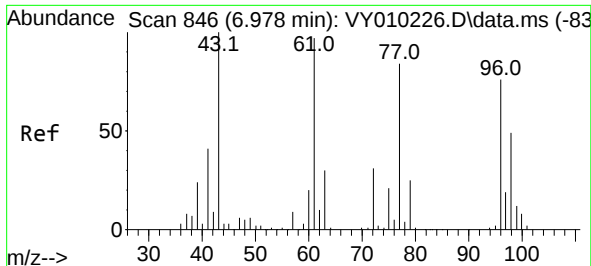
84 100

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# 846

Delta R.T. 0.006 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

Instrument :

MSVOA_Y

ClientSampleId :

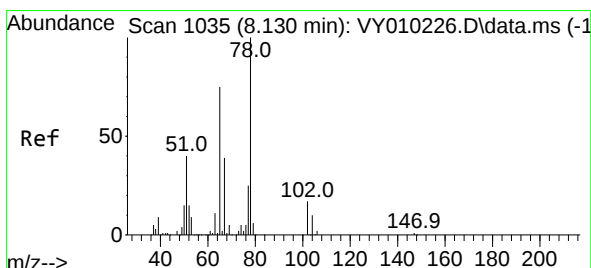
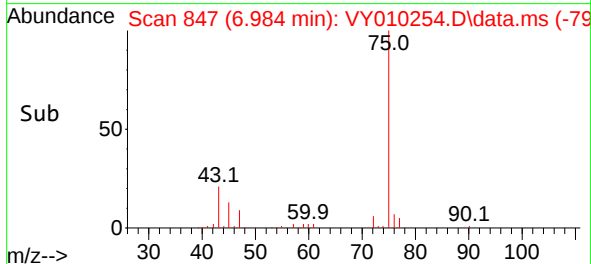
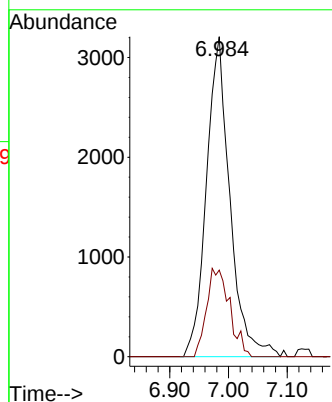
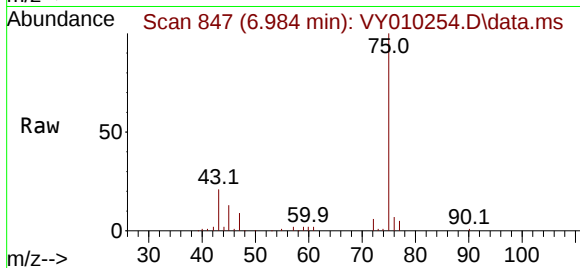
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Tgt Ion: 43 Resp: 8905

Ion Ratio Lower Upper

43 100

72 27.0 17.7 26.5#



#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

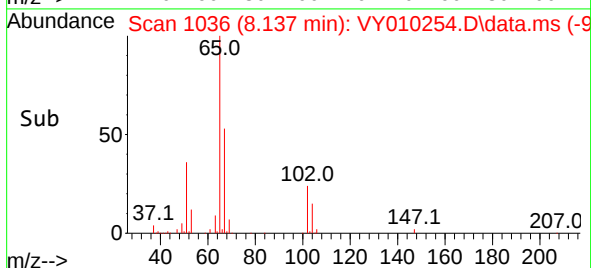
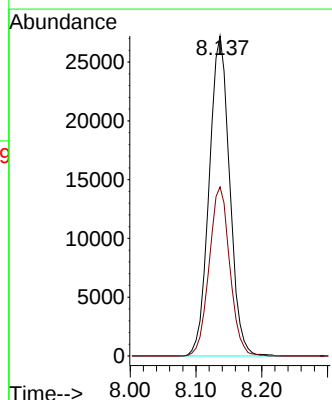
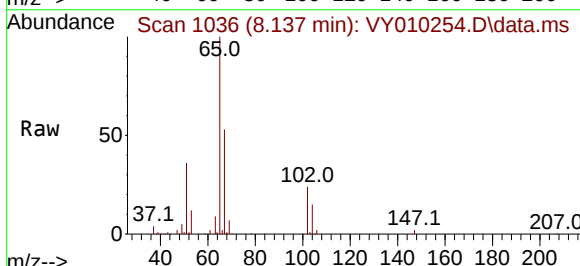
Acq: 31 Aug 2022 18:38

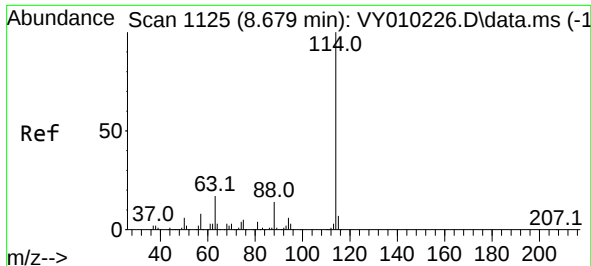
Tgt Ion: 65 Resp: 58987

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

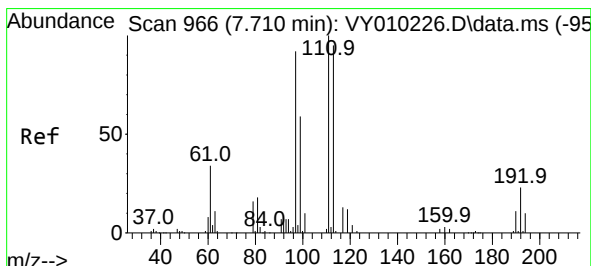
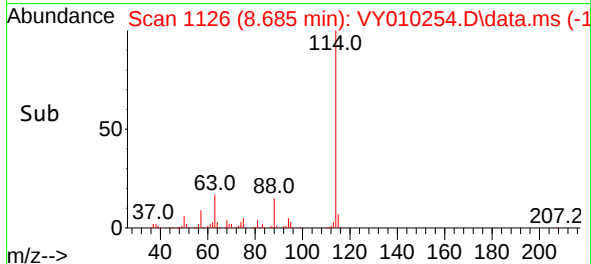
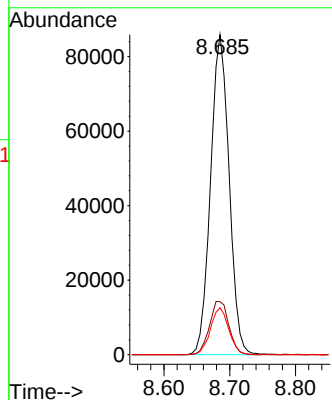
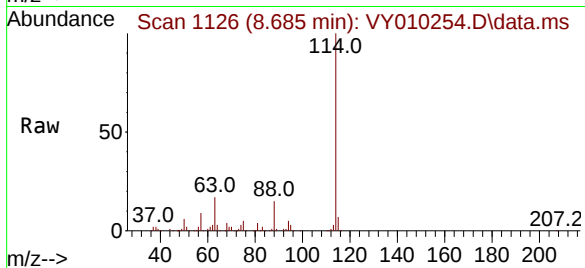
Tgt Ion:114 Resp: 168344

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

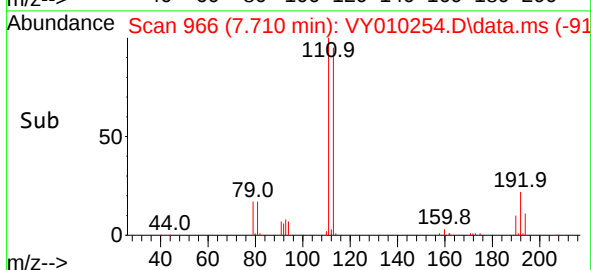
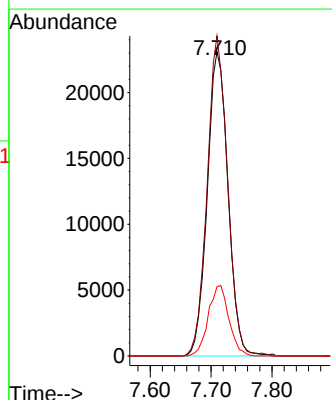
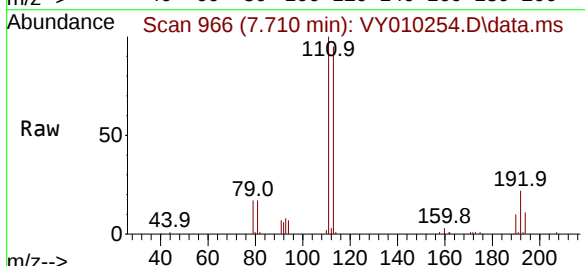
Tgt Ion:113 Resp: 54622

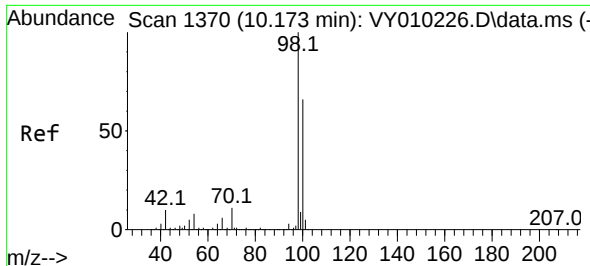
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 23.0 17.6 26.4

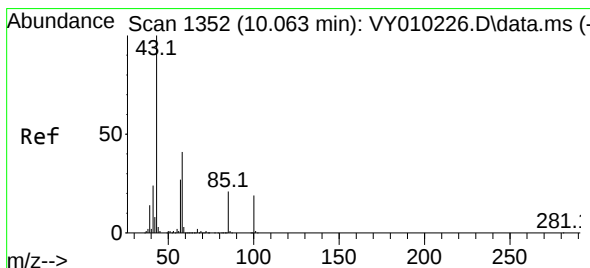
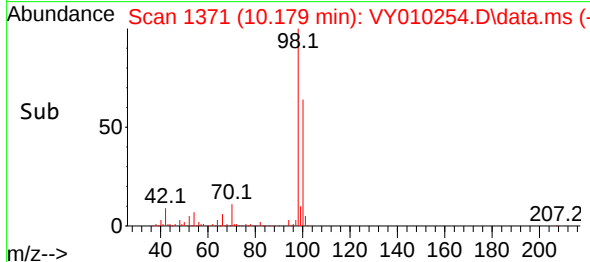
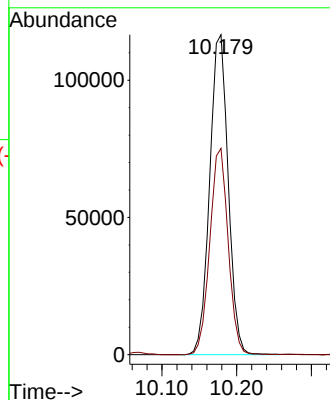
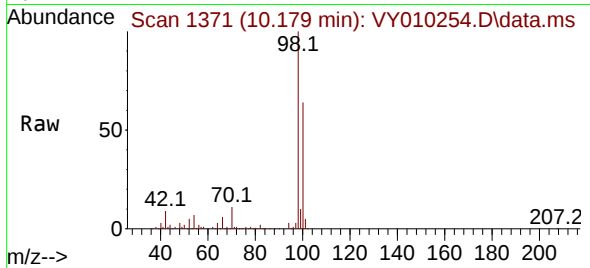




#50
Toluene-d8
Concen: 55.599 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

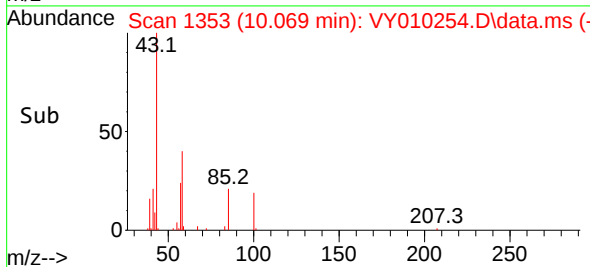
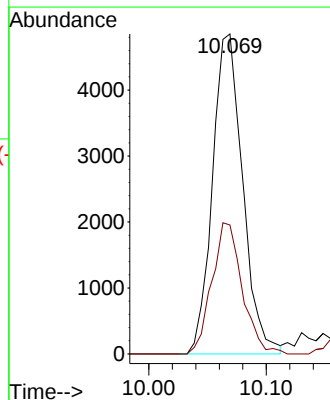
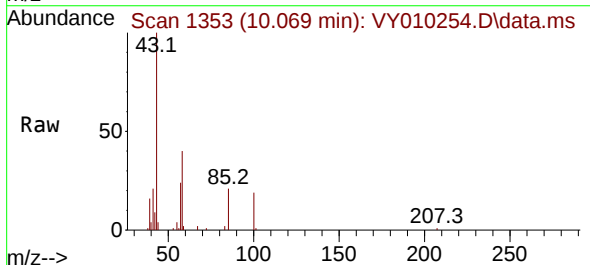
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ETGI-344

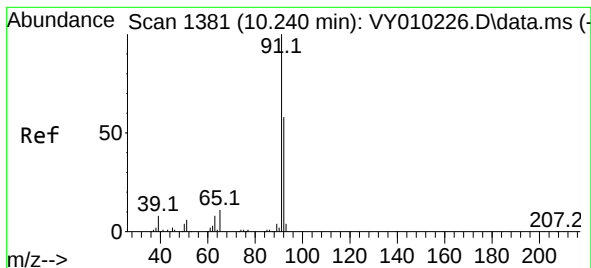
Tgt Ion: 98 Resp: 200538
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 10.973 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.006 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

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# 11

Delta R.T. 0.000 min

Lab File: VY010254.D

Acq: 31 Aug 2022 18:38

Instrument :

MSVOA_Y

ClientSampleId :

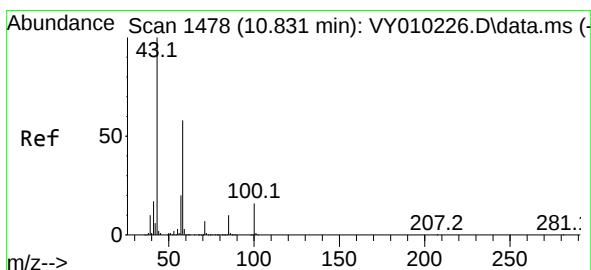
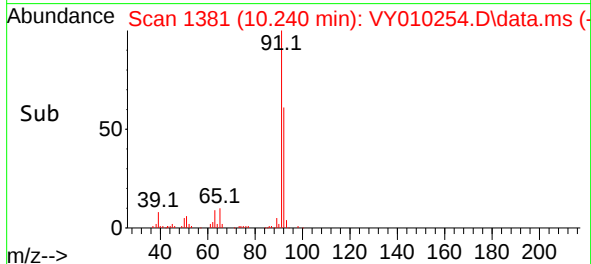
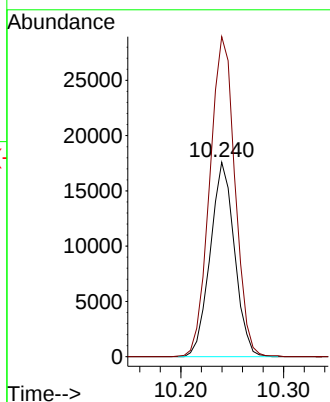
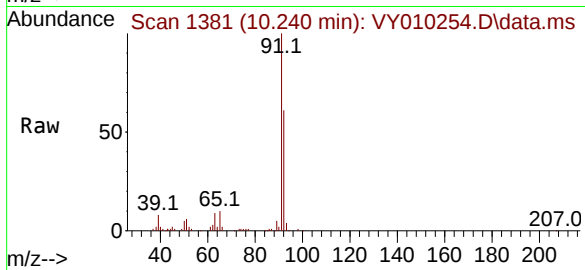
ETGI-344

Tgt Ion: 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

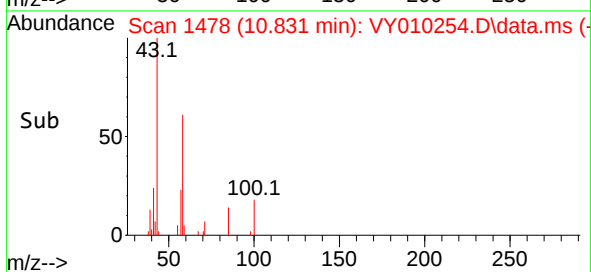
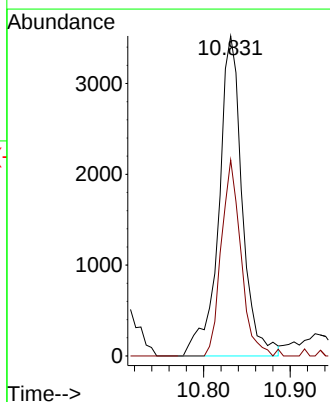
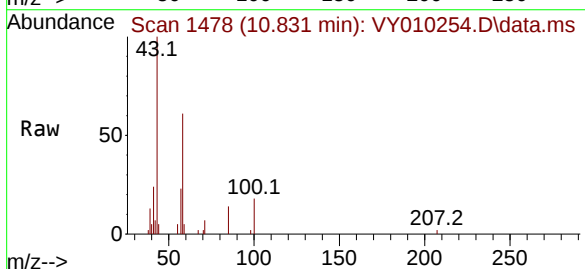
Acq: 31 Aug 2022 18:38

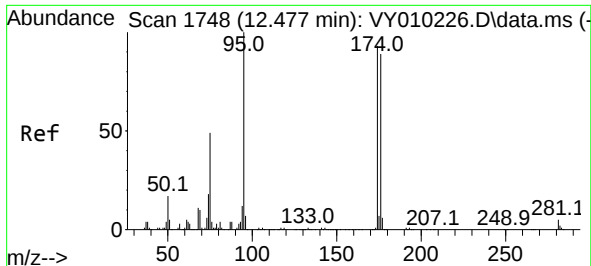
Tgt Ion: 43 Resp: 6620

Ion Ratio Lower Upper

43 100

58 51.7 24.4 73.4

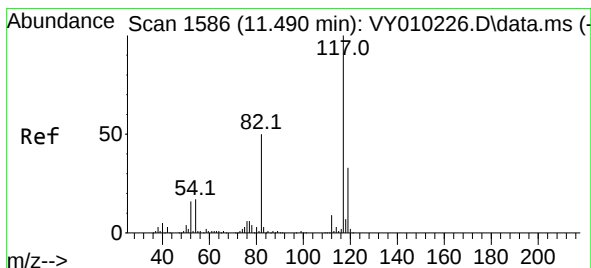
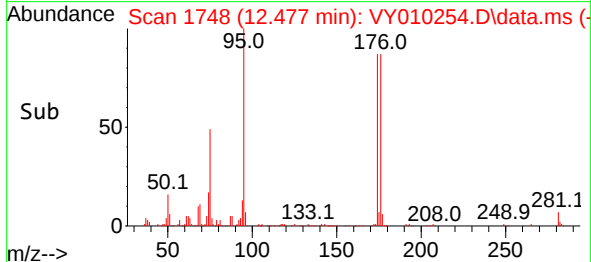
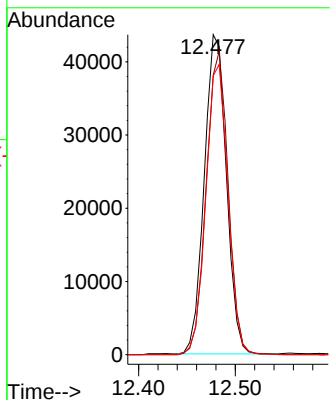
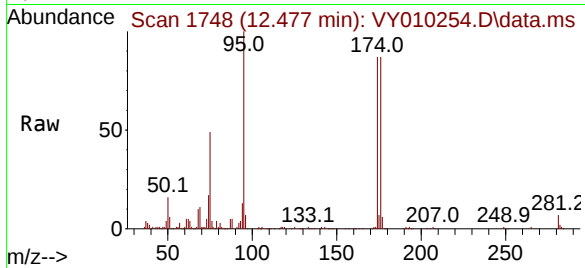




#62
4-Bromofluorobenzene
Concen: 51.706 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

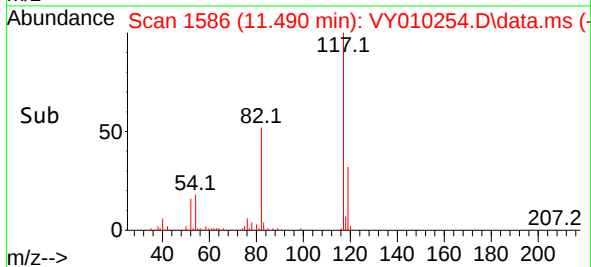
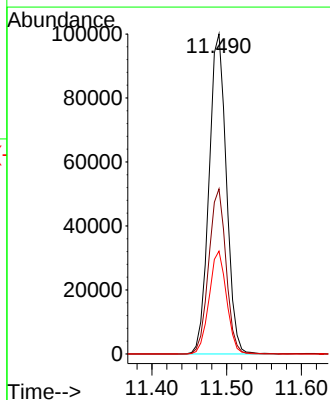
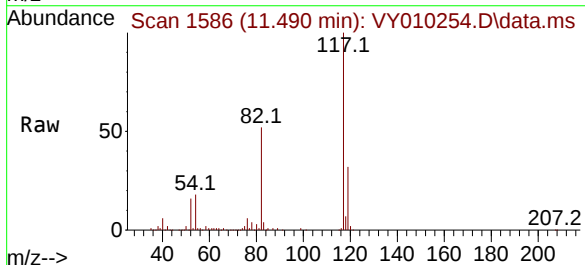
Instrument :
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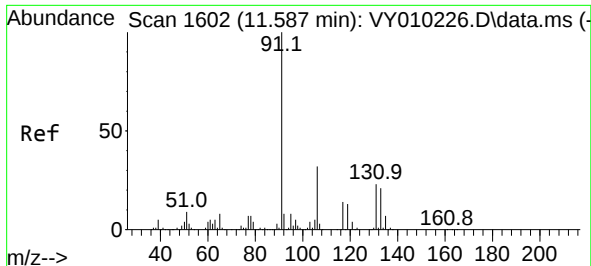
Tgt Ion: 95 Resp: 69350
Ion Ratio Lower Upper
95 100
174 94.5 0.0 177.0
176 91.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

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

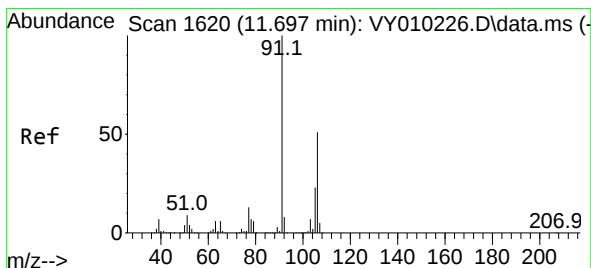
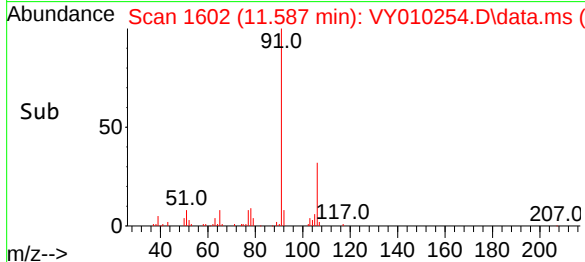
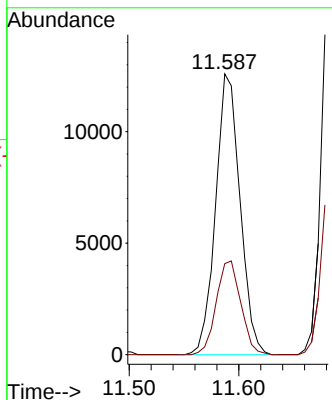
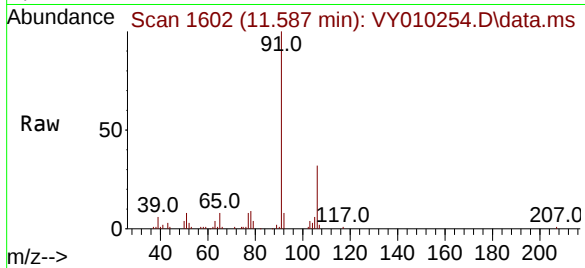




#67
Ethyl Benzene
Concen: 3.429 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

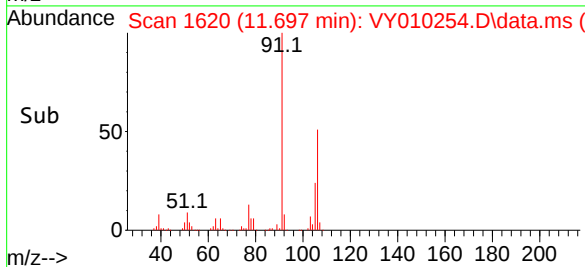
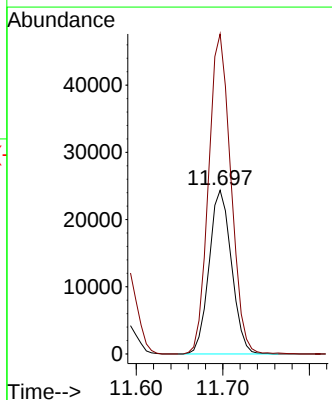
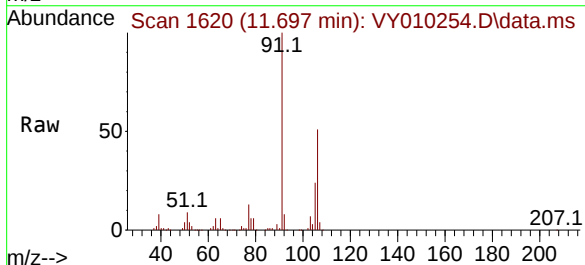
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

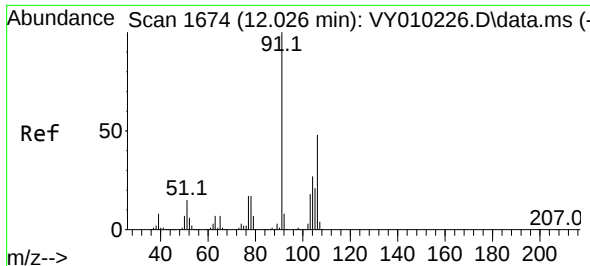
Tgt Ion: 91 Resp: 19513
Ion Ratio Lower Upper
91 100
106 32.5 24.5 36.7



#68
m/p-Xylenes
Concen: 19.272 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

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

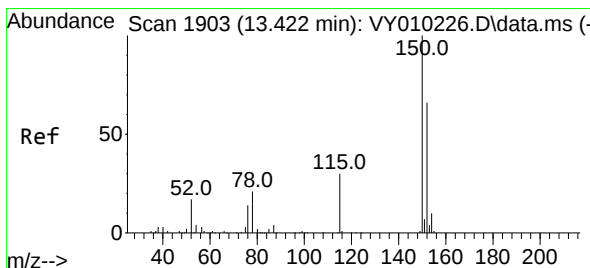
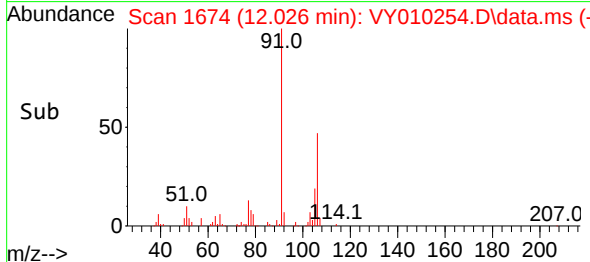
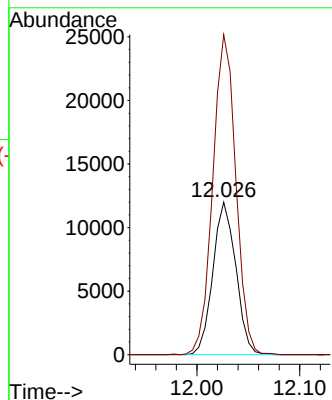
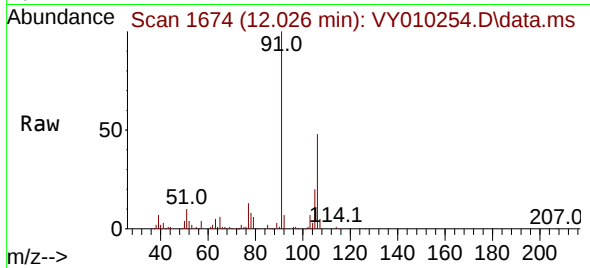




#69
o-Xylene
Concen: 8.802 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY010254.D
Acq: 31 Aug 2022 18:38

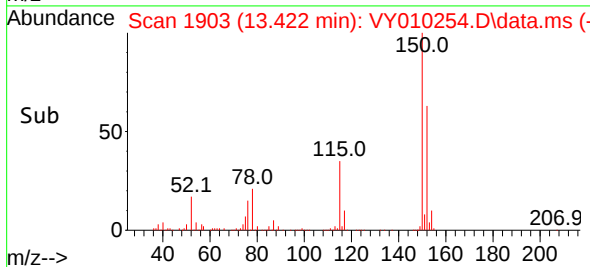
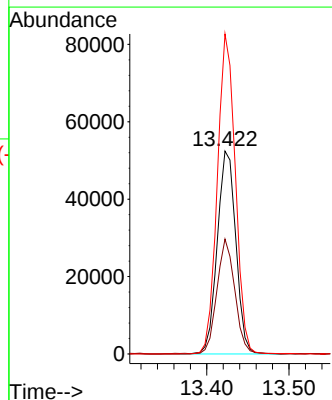
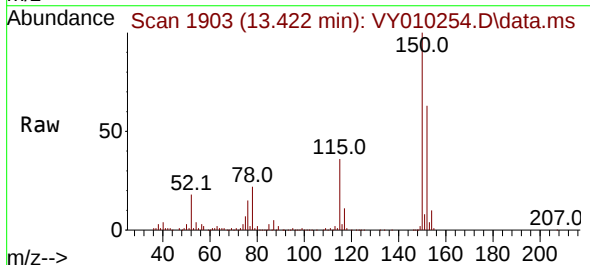
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-344

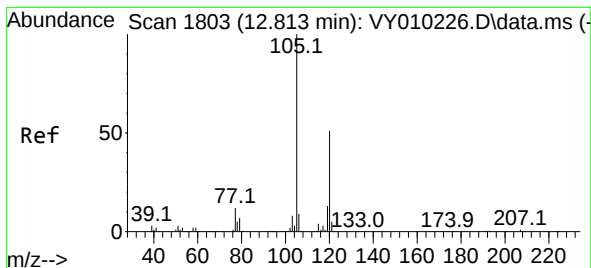
Tgt Ion:106 Resp: 18591
Ion Ratio Lower Upper
106 100
91 210.7 110.3 331.0



#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

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





#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

Instrument :

MSVOA_Y

ClientSampleId :

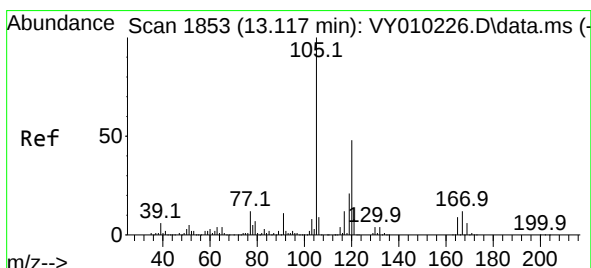
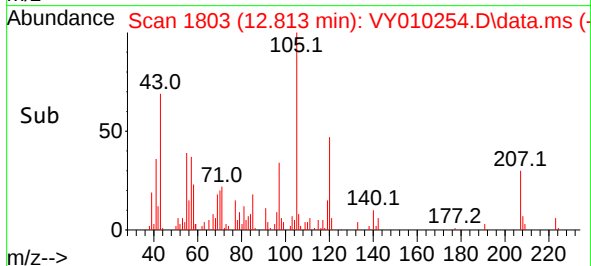
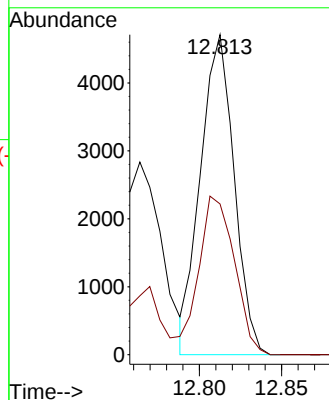
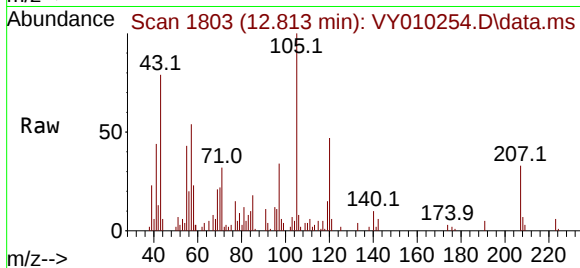
ETGI-344

Tgt Ion:105 Resp: 6695

Ion Ratio Lower Upper

105 100

120 53.3 24.4 73.4



#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

