

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012564.D
 Acq On : 09 Feb 2023 14:22
 Operator : KP/MD
 Sample : 01507-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-330

Quant Time: Feb 10 05:58:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

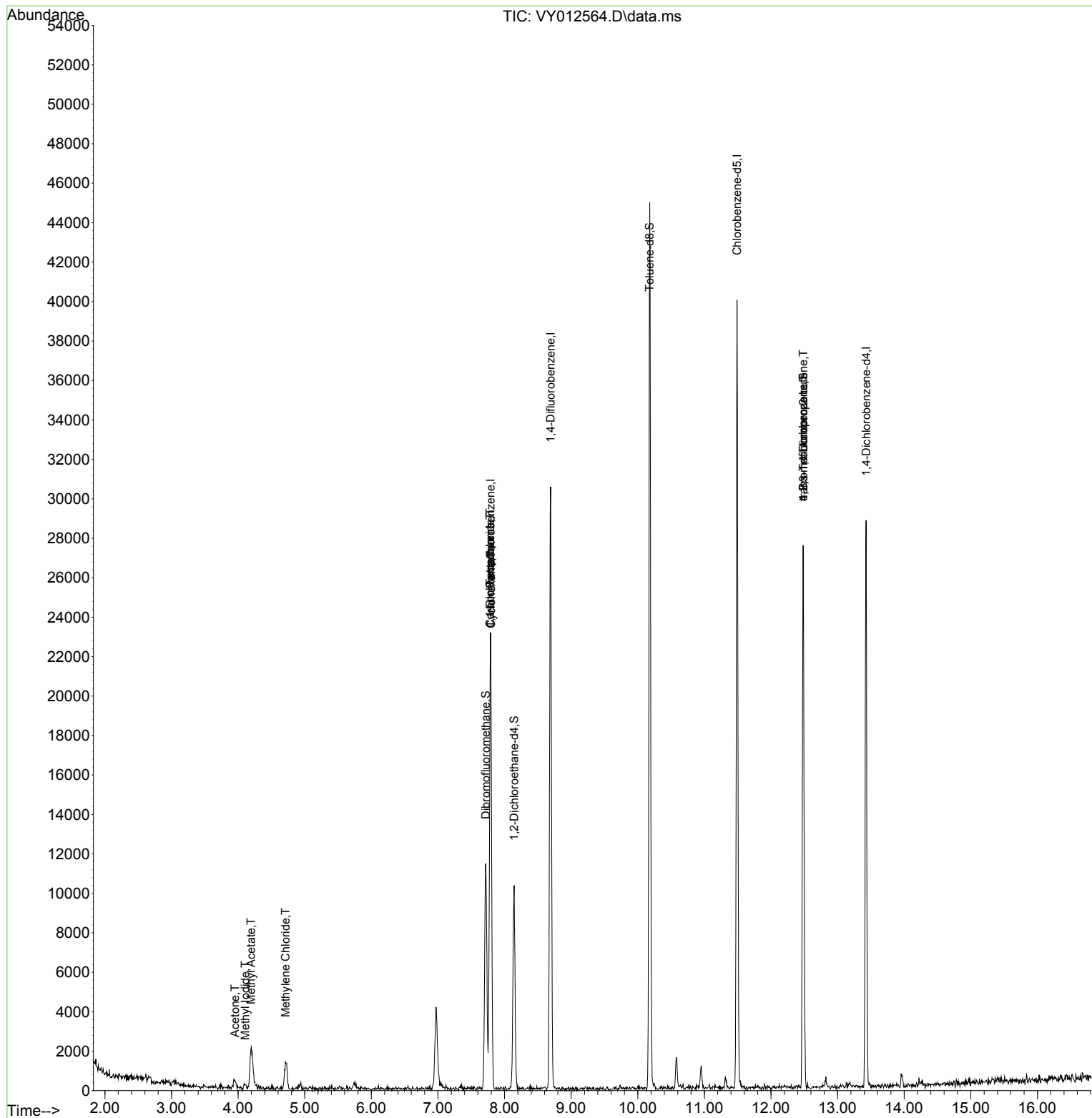
Internal Standards						
1) Pentafluorobenzene	7.789	168	19337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	27765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	23569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8668	35.251	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.500%
35) Dibromofluoromethane	7.716	113	7936	39.248	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.500%
50) Toluene-d8	10.179	98	31805	37.790	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	75.580%
62) 4-Bromofluorobenzene	12.483	95	7561	25.756	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	51.520%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	178	Below Cal	#	51
10) Methyl Iodide	4.107	142	329	1.303	ug/l #	43
11) Tert butyl alcohol	4.942	59	87	Below Cal	#	75
16) Acetone	3.954	43	737	12.453	ug/l #	82
18) Methyl Acetate	4.192	43	790	5.554	ug/l #	43
20) Methylene Chloride	4.710	84	1275	1.693	ug/l #	76
31) Cyclohexane	7.795	56	365	1.284	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	1358	4.962	ug/l #	39
38) Carbon Tetrachloride	7.783	117	1842	5.014	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	3975	40.550	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3975	91.443	ug/l #	12

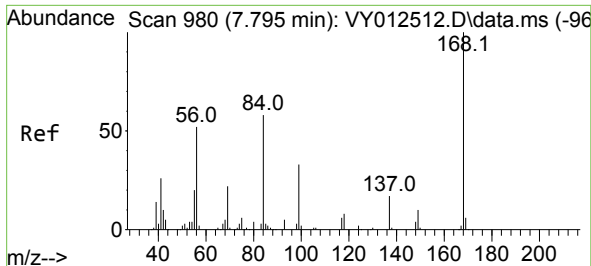
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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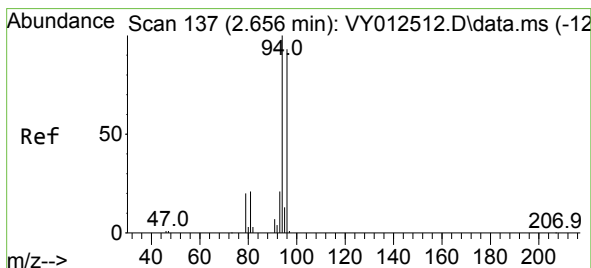
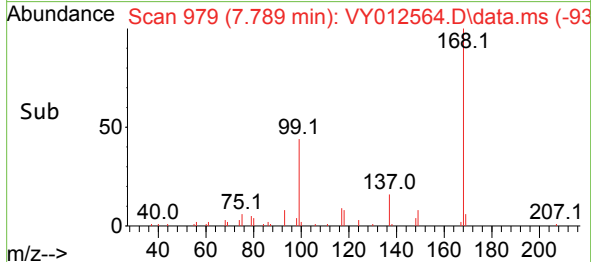
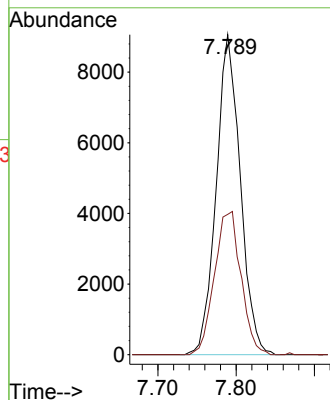
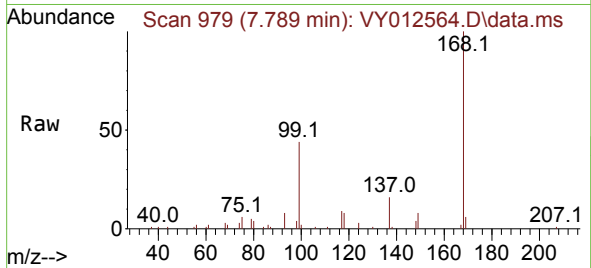




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

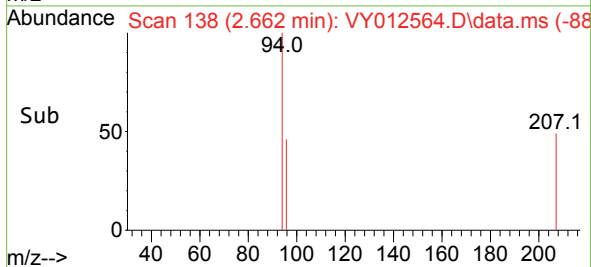
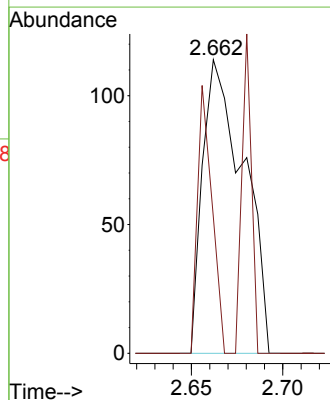
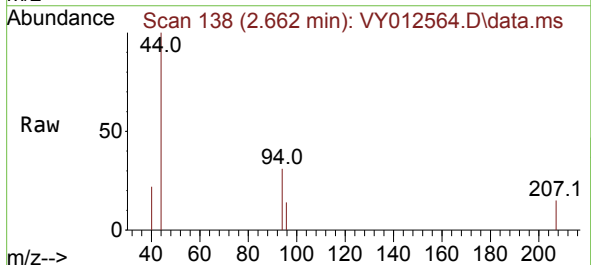
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-330

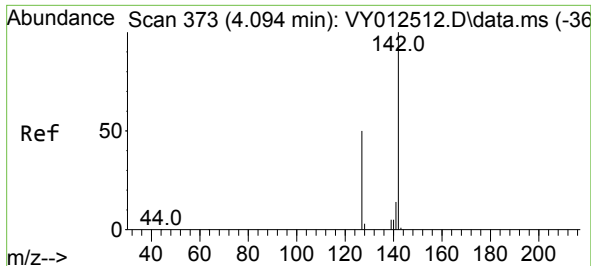
Tgt Ion:168 Resp: 19337
Ion Ratio Lower Upper
168 100
99 43.9 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

Tgt Ion: 94 Resp: 178
Ion Ratio Lower Upper
94 100
96 46.5 74.7 112.1#

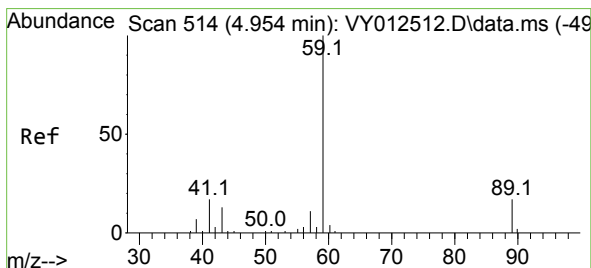
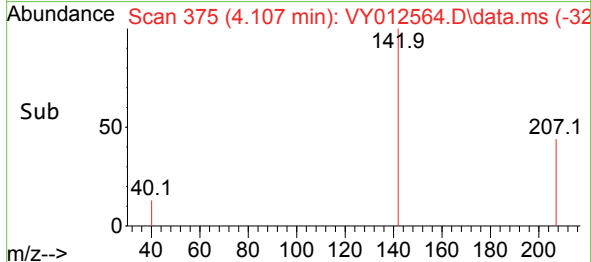
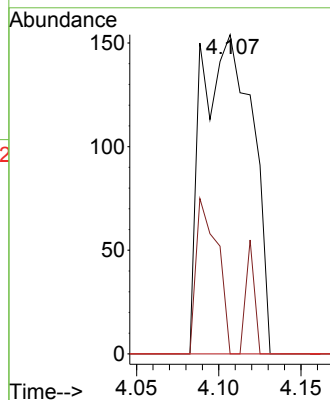
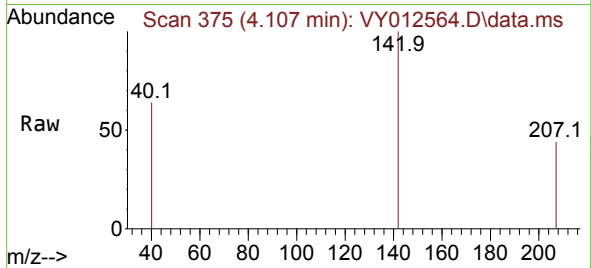




#10
Methyl Iodide
Concen: 1.303 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

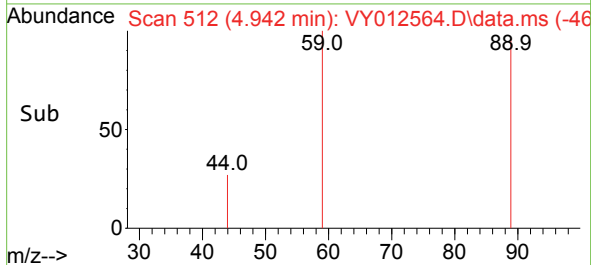
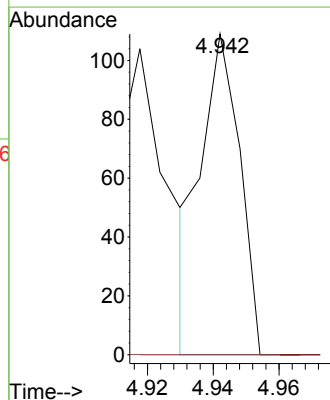
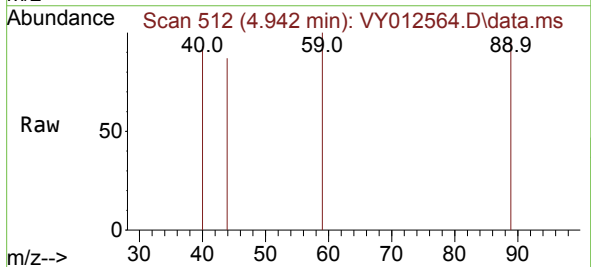
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-330

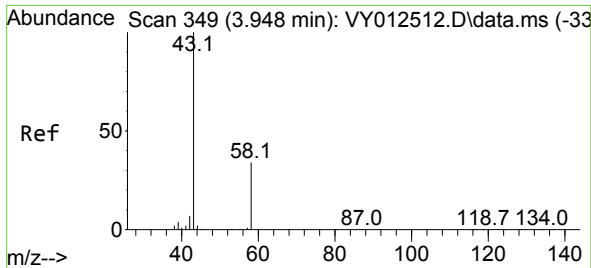
Tgt Ion:142 Resp: 329
Ion Ratio Lower Upper
142 100
127 6.1 39.8 59.6#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 12.453 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY012564.D

Acq: 09 Feb 2023 14:22

Instrument :

MSVOA_Y

ClientSampleId :

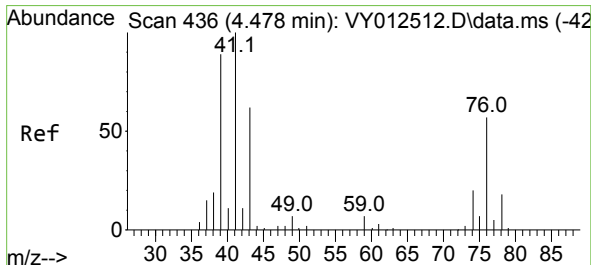
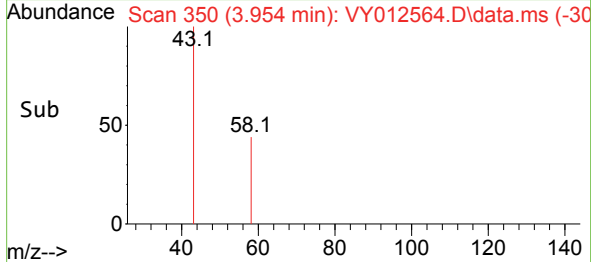
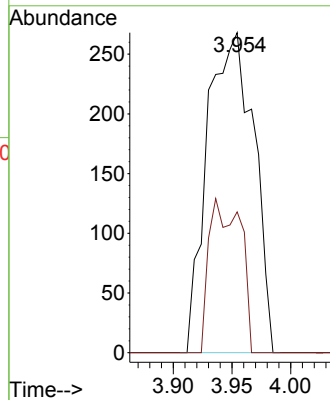
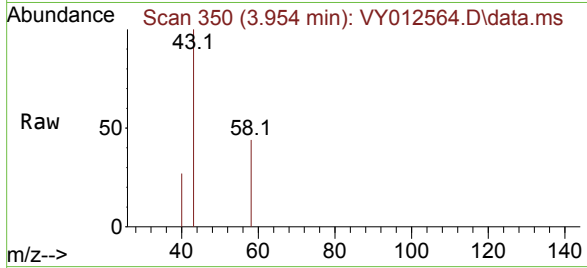
ETGI-330

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

58 44.0 27.1 40.7#



#18

Methyl Acetate

Concen: 5.554 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.286 min

Lab File: VY012564.D

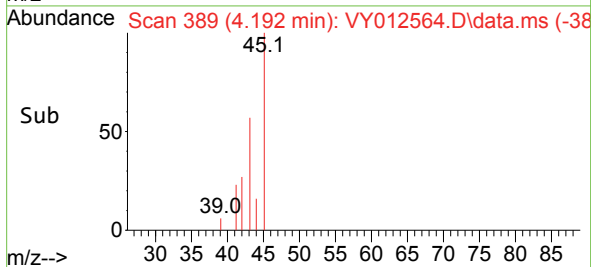
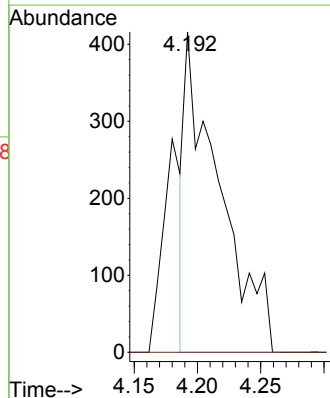
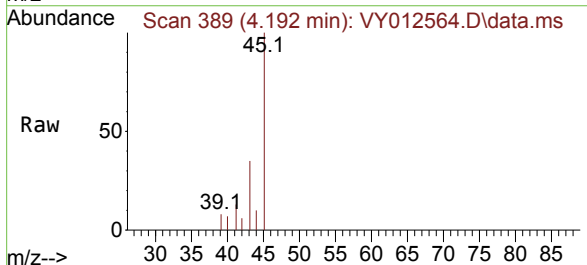
Acq: 09 Feb 2023 14:22

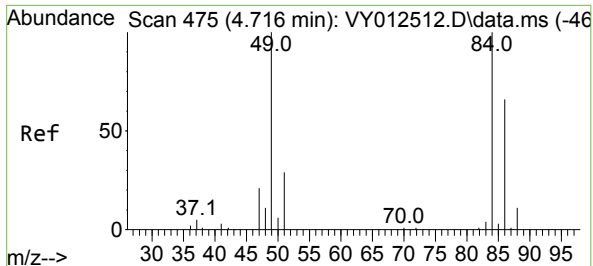
Tgt Ion: 43 Resp: 790

Ion Ratio Lower Upper

43 100

74 0.0 25.6 38.4#

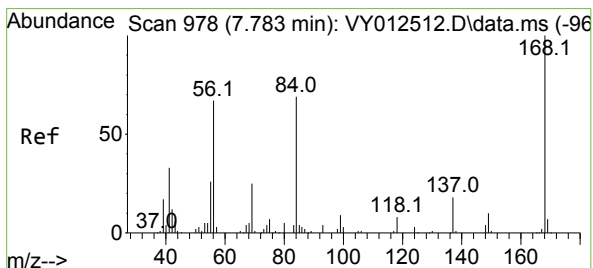
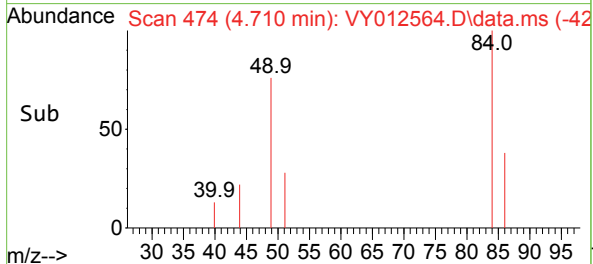
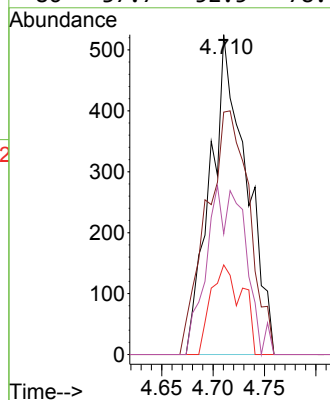
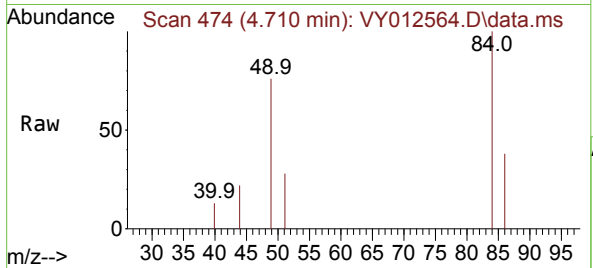




#20
Methylene Chloride
Concen: 1.693 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

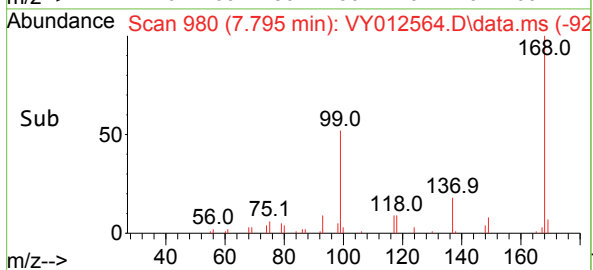
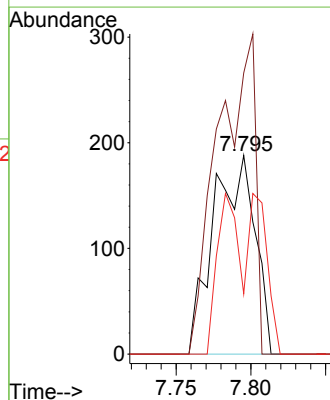
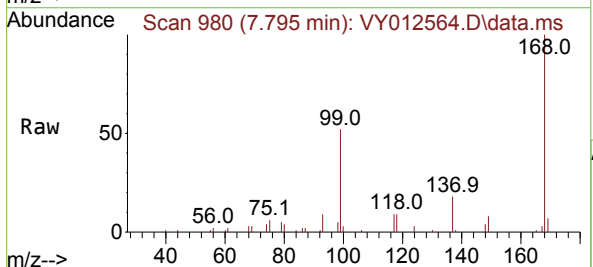
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-330

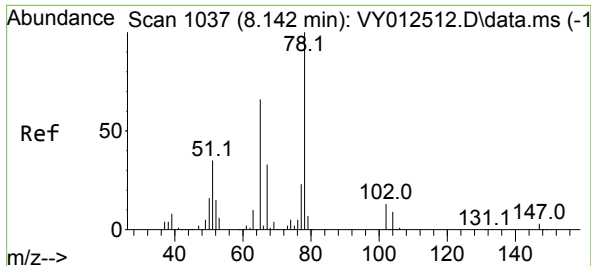
Tgt Ion: 84 Resp: 1275
Ion Ratio Lower Upper
84 100
49 75.8 79.8 119.6#
51 28.0 23.4 35.2
86 37.7 52.5 78.7#



#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

Tgt Ion: 56 Resp: 365
Ion Ratio Lower Upper
56 100
69 141.5 29.5 44.3#
84 30.3 81.9 122.9#





#33

1,2-Dichloroethane-d4

Concen: 35.251 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY012564.D

Acq: 09 Feb 2023 14:22

Instrument :

MSVOA_Y

ClientSampleId :

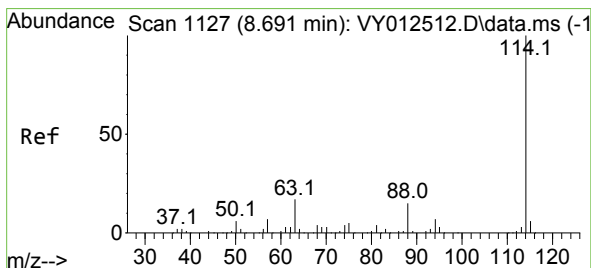
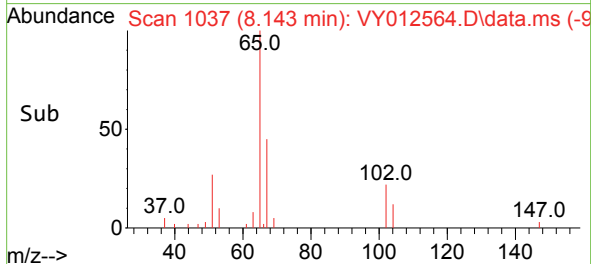
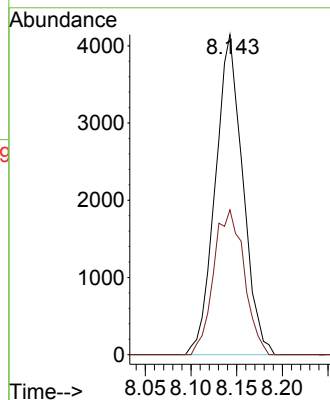
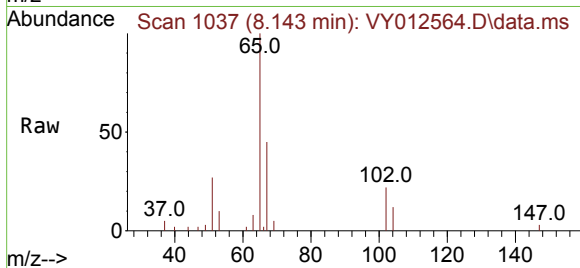
ETGI-330

Tgt Ion: 65 Resp: 8668

Ion Ratio Lower Upper

65 100

67 50.2 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012564.D

Acq: 09 Feb 2023 14:22

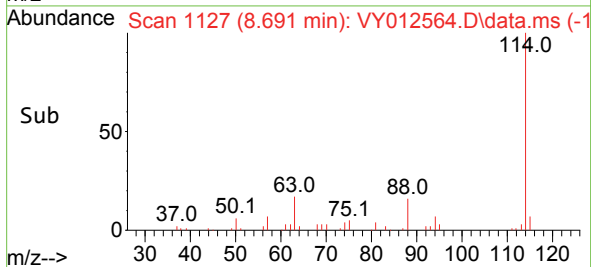
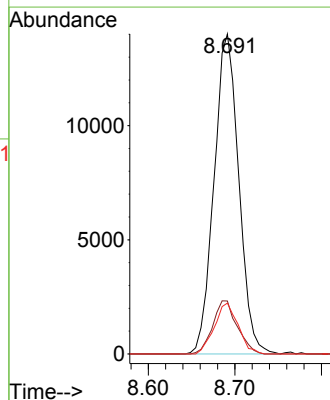
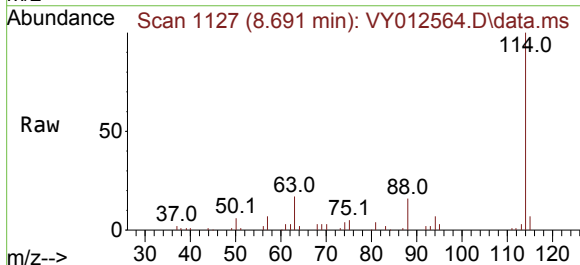
Tgt Ion: 114 Resp: 27765

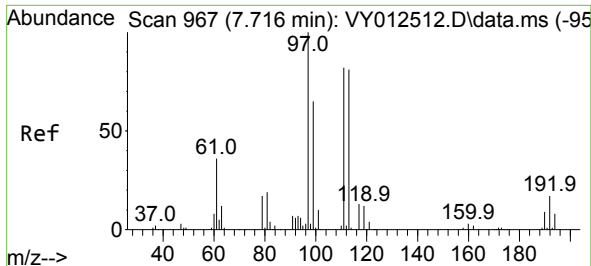
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.6

88 15.9 0.0 29.8

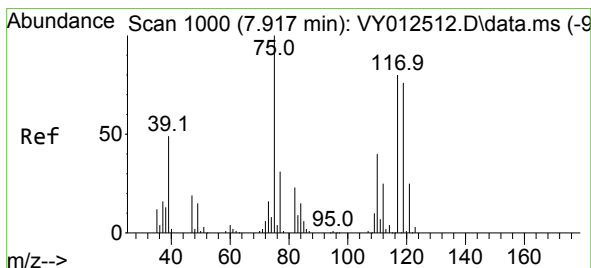
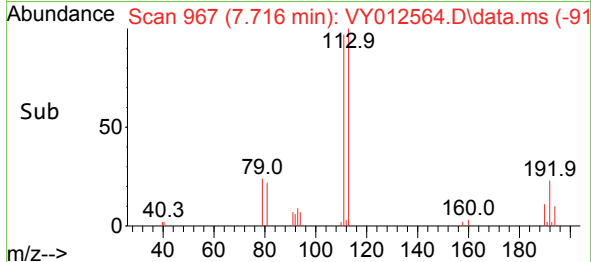
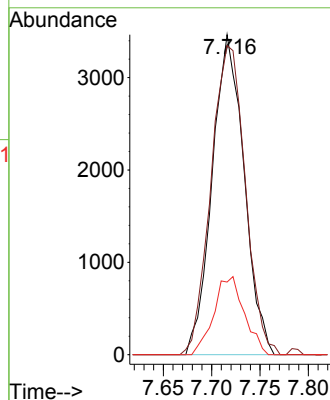
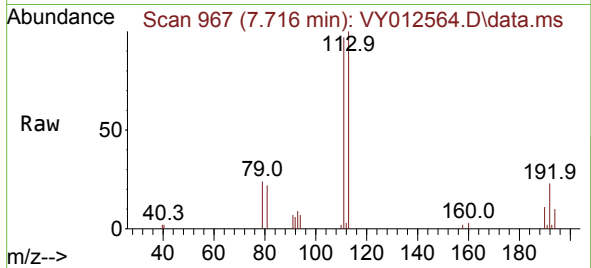




#35
Dibromofluoromethane
Concen: 39.248 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

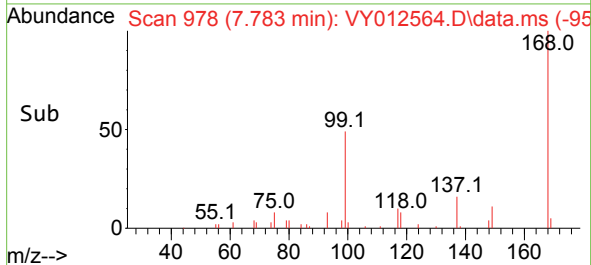
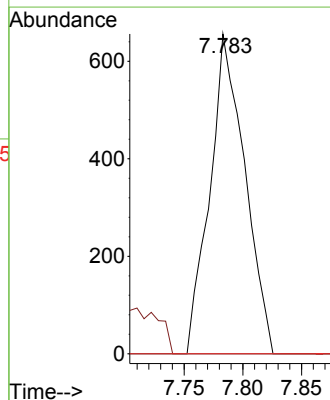
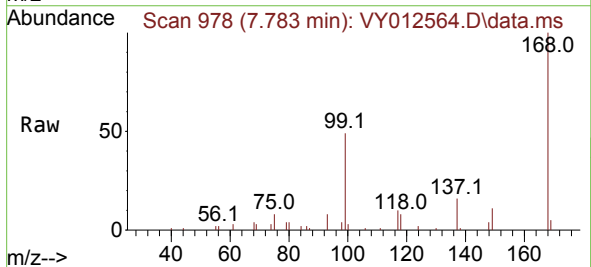
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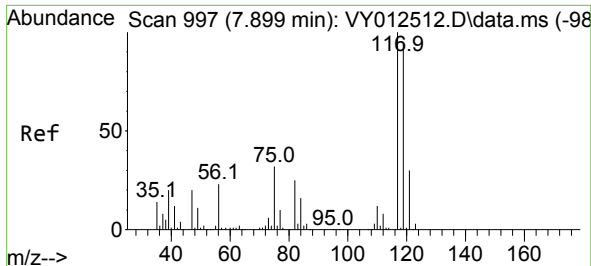
Tgt Ion:113 Resp: 7936
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 23.3 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.962 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

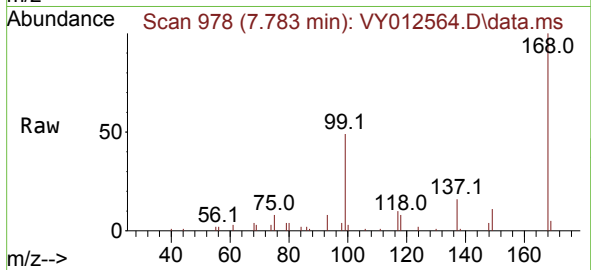
Tgt Ion: 75 Resp: 1358
Ion Ratio Lower Upper
75 100
110 0.0 19.5 58.5#
77 0.0 24.9 37.3#



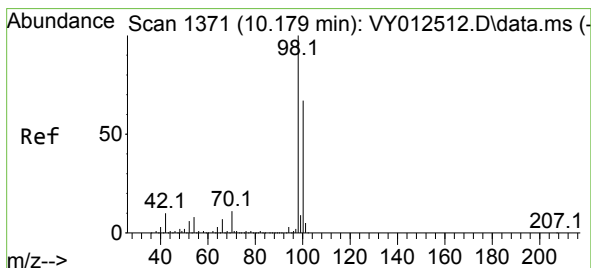
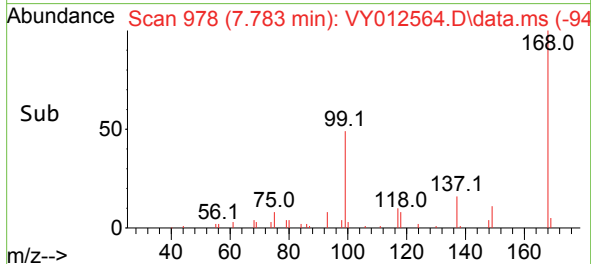
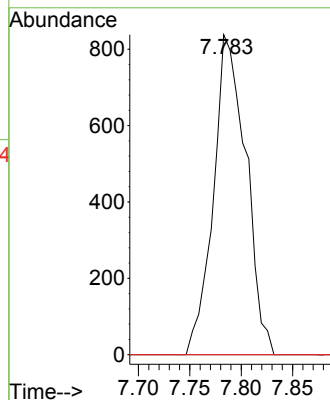


#38
Carbon Tetrachloride
Concen: 5.014 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-330

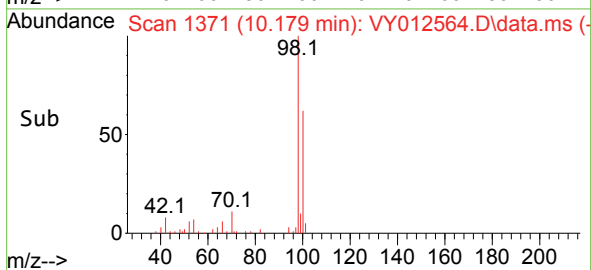
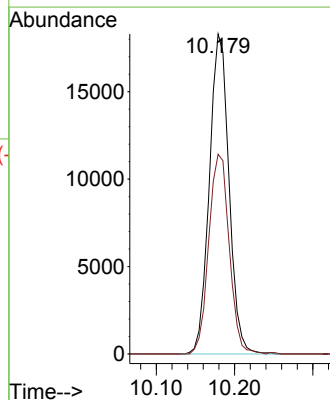
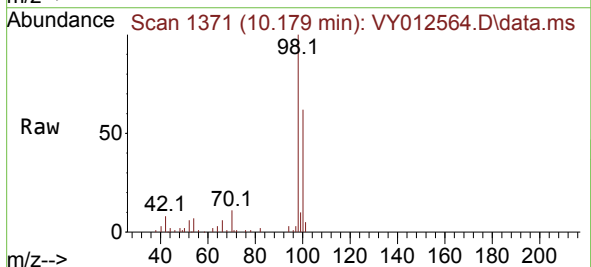


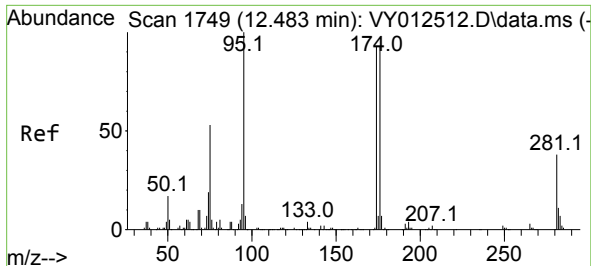
Tgt Ion:117 Resp: 1842
Ion Ratio Lower Upper
117 100
119 0.0 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 37.790 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

Tgt Ion: 98 Resp: 31805
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2

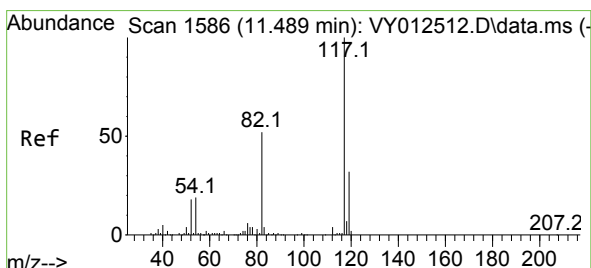
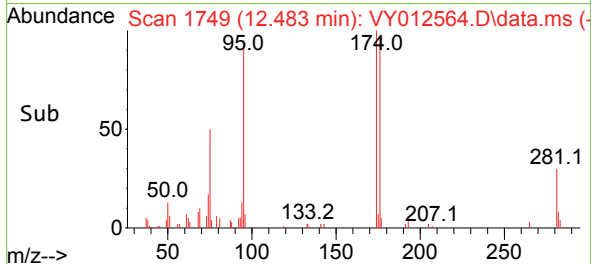
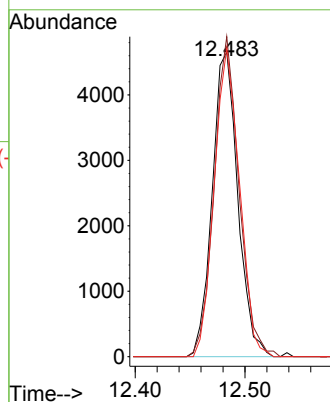
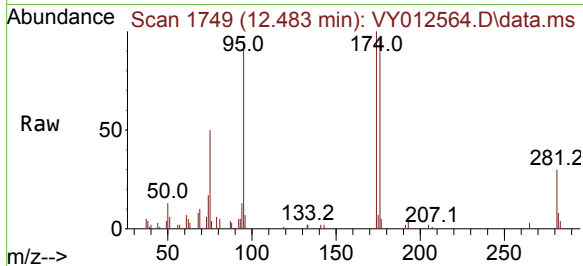




#62
4-Bromofluorobenzene
Concen: 25.756 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

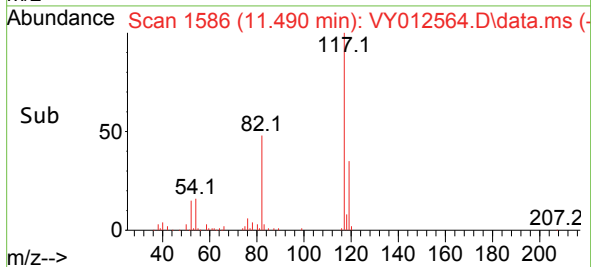
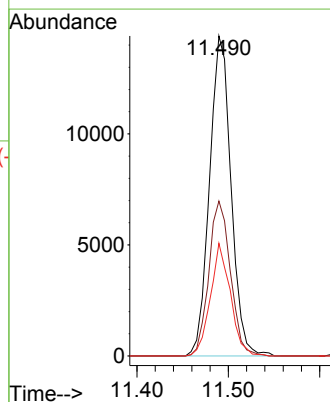
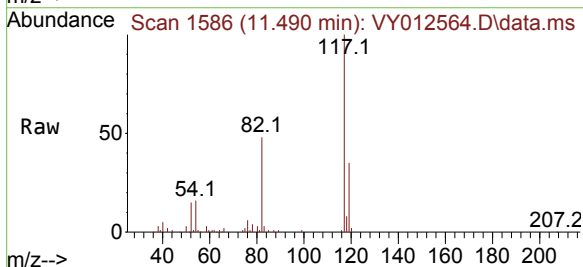
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-330

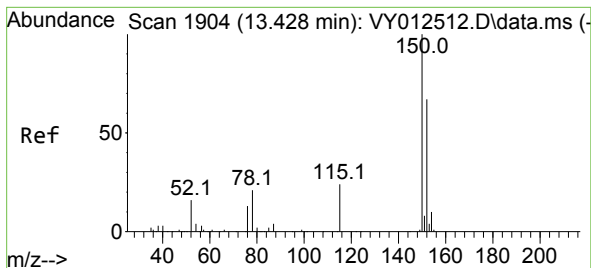
Tgt Ion:	95	Resp:	7561
Ion	Ratio	Lower	Upper
95	100		
174	102.2	0.0	188.0
176	99.6	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012564.D
Acq: 09 Feb 2023 14:22

Tgt Ion:	117	Resp:	23569
Ion	Ratio	Lower	Upper
117	100		
82	48.4	41.7	62.5
119	35.2	25.8	38.8

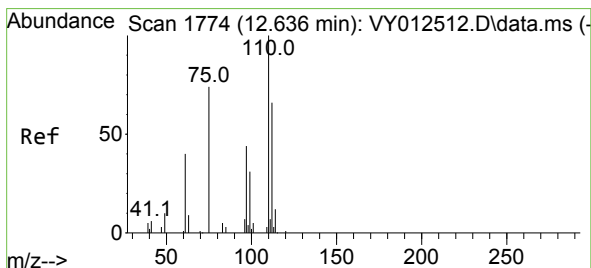
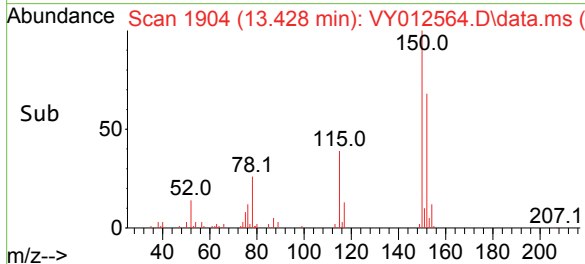
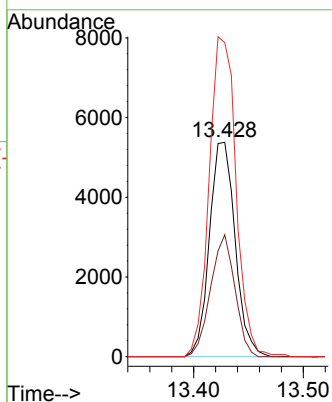
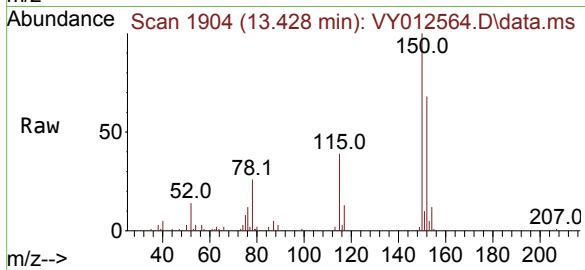




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012564.D
 Acq: 09 Feb 2023 14:22

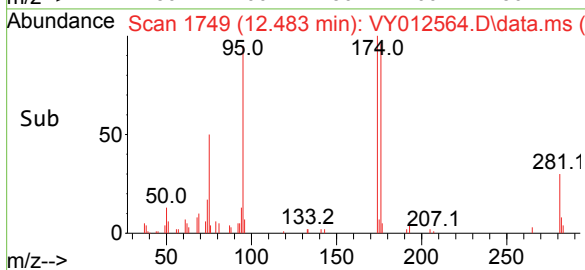
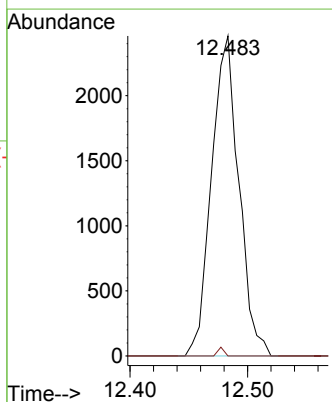
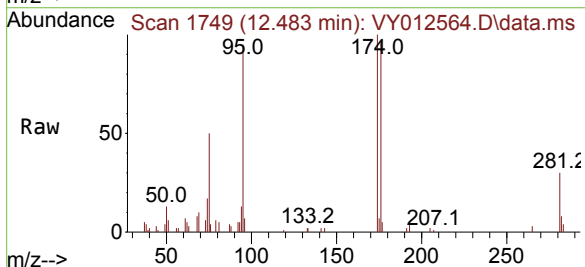
Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-330

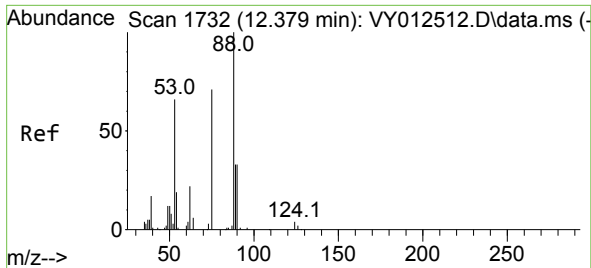
Tgt Ion:152 Resp: 8774
 Ion Ratio Lower Upper
 152 100
 115 53.8 28.1 84.3
 150 155.7 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 40.550 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012564.D
 Acq: 09 Feb 2023 14:22

Tgt Ion: 75 Resp: 3975
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.443 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012564.D
 Acq: 09 Feb 2023 14:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-330

Tgt Ion: 75 Resp: 3975
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

