

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
 Data File : VY009588.D
 Acq On : 19 Jul 2022 14:41
 Operator : KP/MD
 Sample : N3716-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-290

Quant Time: Jul 19 15:13:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

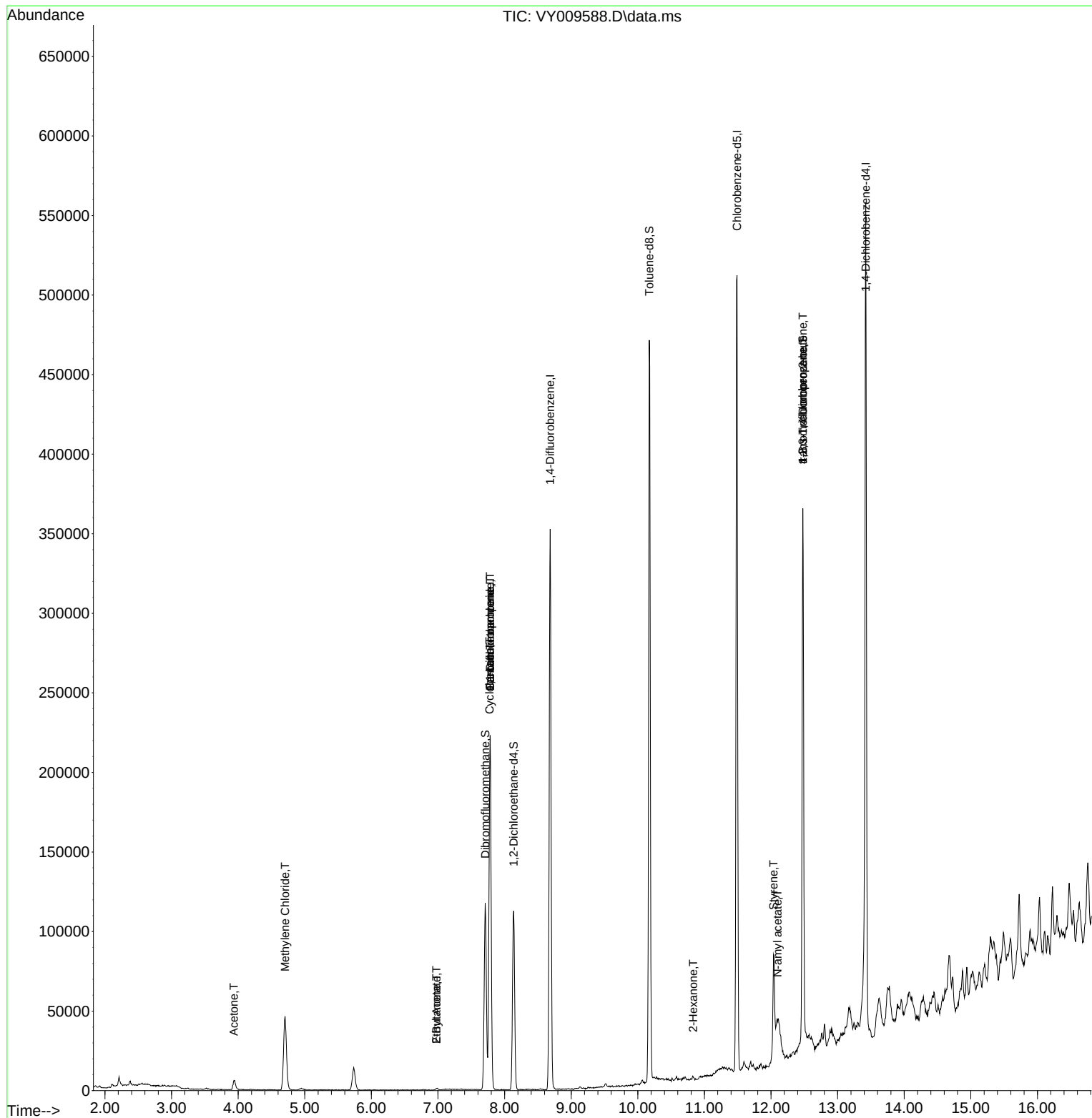
Internal Standards						
1) Pentafluorobenzene	7.783	168	182761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	309214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	286356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86435	50.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.020%	
35) Dibromofluoromethane	7.710	113	82162	42.177	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.360%	
50) Toluene-d8	10.173	98	309402	41.315	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 82.640%	
62) 4-Bromofluorobenzene	12.477	95	100499	41.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 82.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	1992	Below Cal	#	82
16) Acetone	3.936	43	10839	24.789	ug/l	97
20) Methylene Chloride	4.704	84	35191	7.668	ug/l	88
25) 2-Butanone	6.978	43	2189	3.432	ug/l	96
31) Cyclohexane	7.777	56	3359	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12711	4.416	ug/l #	51
37) Ethyl Acetate	6.978	43	2189	1.366	ug/l #	72
38) Carbon Tetrachloride	7.783	117	16507	5.478	ug/l #	17
59) 2-Hexanone	10.831	43	1604	1.513	ug/l	87
70) Styrene	12.038	104	28701	4.502	ug/l #	86
74) N-amyl acetate	12.099	43	4054	1.694	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	50191	40.545	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50191	79.946	ug/l #	8

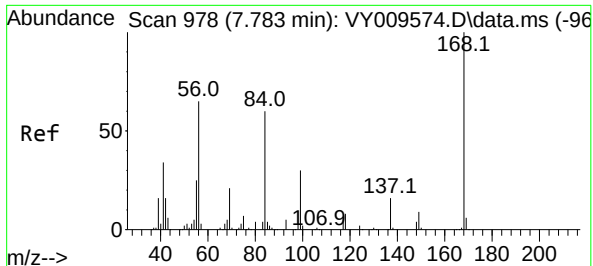
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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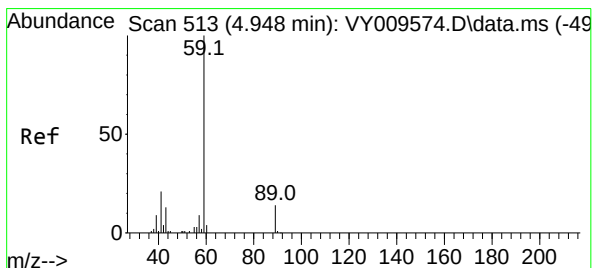
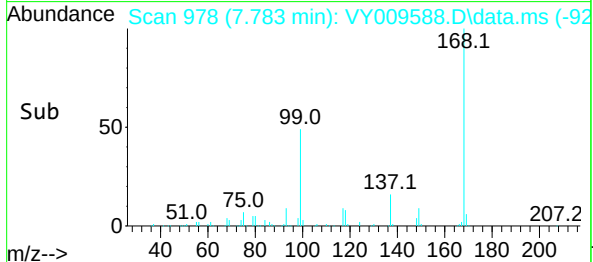
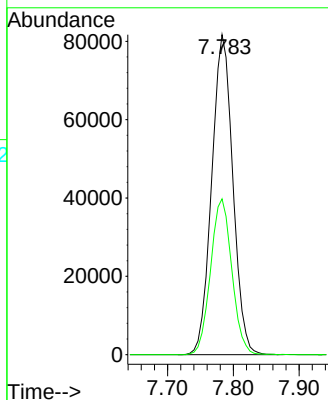
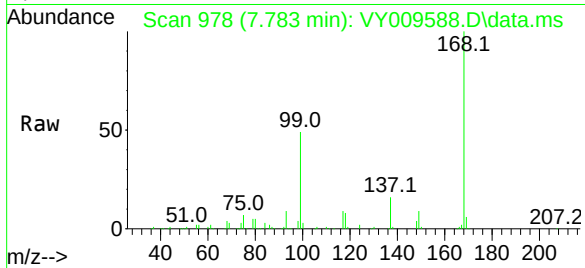




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

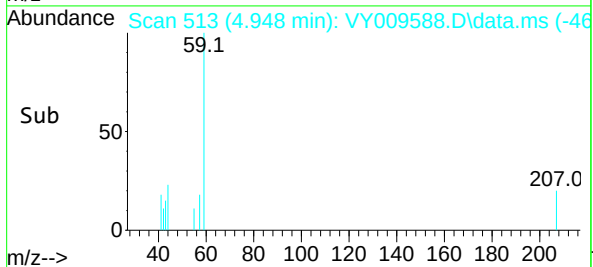
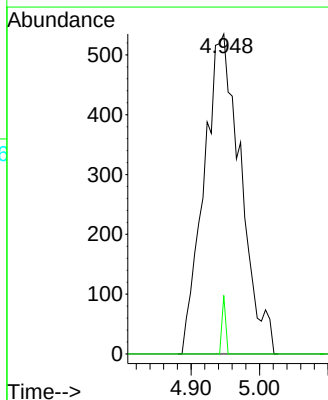
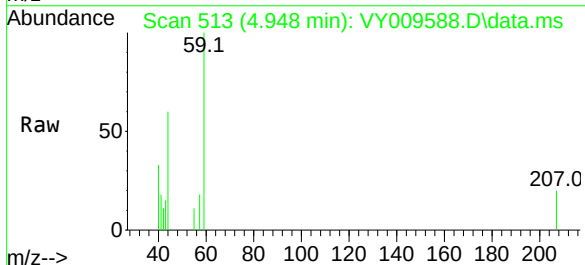
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-290

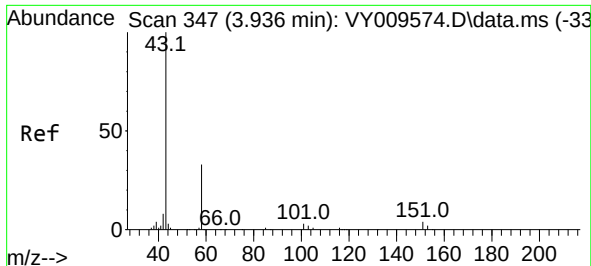
Tgt Ion:168 Resp: 182761
Ion Ratio Lower Upper
168 100
99 48.7 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

Tgt Ion: 59 Resp: 1992
Ion Ratio Lower Upper
59 100
57 1.8 6.4 9.6#





#16

Acetone

Concen: 24.789 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY009588.D

Acq: 19 Jul 2022 14:41

Instrument :

MSVOA_Y

ClientSampleId :

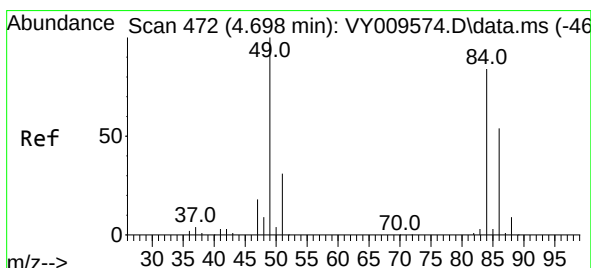
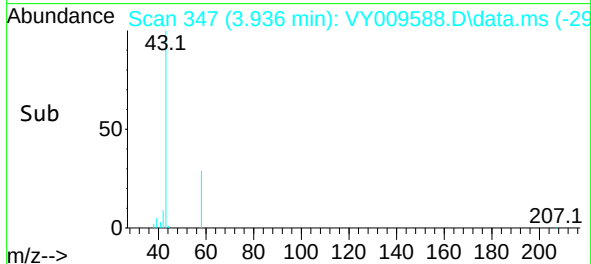
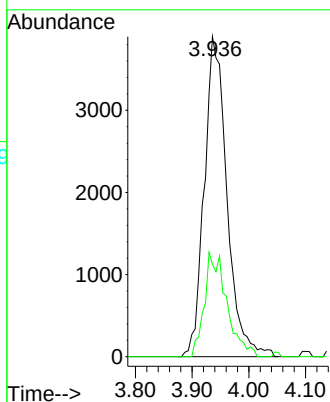
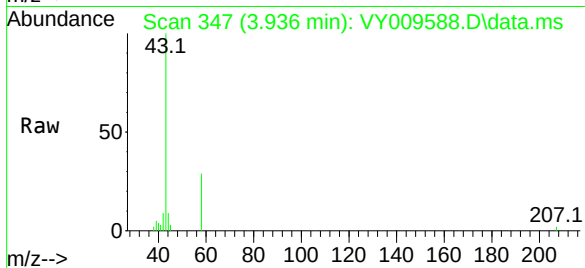
ETGI-290

Tgt Ion: 43 Resp: 10839

Ion Ratio Lower Upper

43 100

58 28.9 22.0 33.0



#20

Methylene Chloride

Concen: 7.668 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY009588.D

Acq: 19 Jul 2022 14:41

Tgt Ion: 84 Resp: 35191

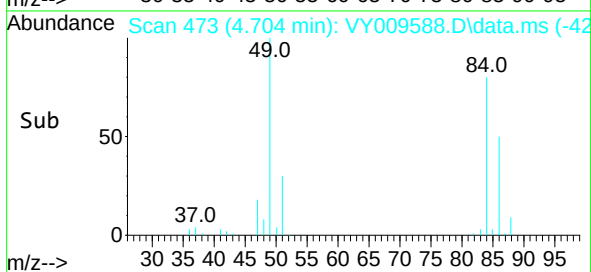
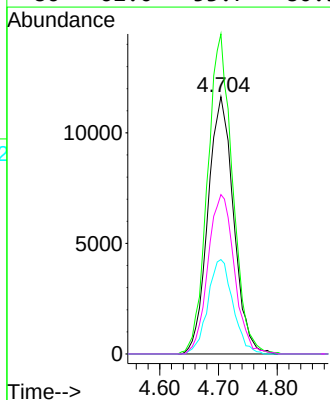
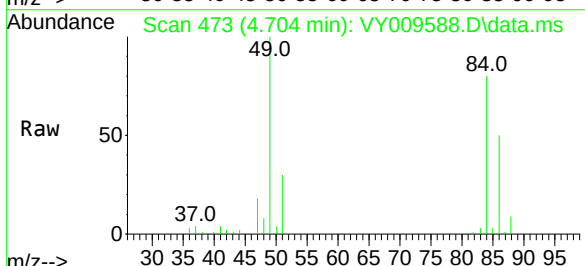
Ion Ratio Lower Upper

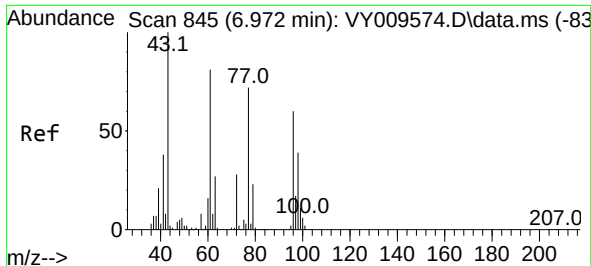
84 100

49 124.4 114.4 171.6

51 36.7 35.3 52.9

86 62.0 53.7 80.5

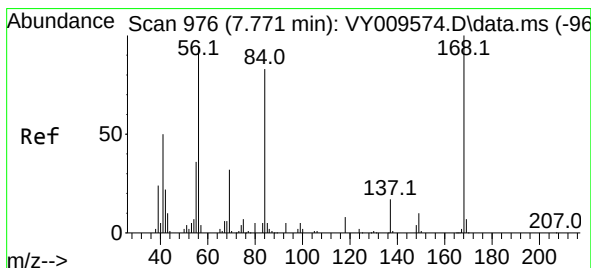
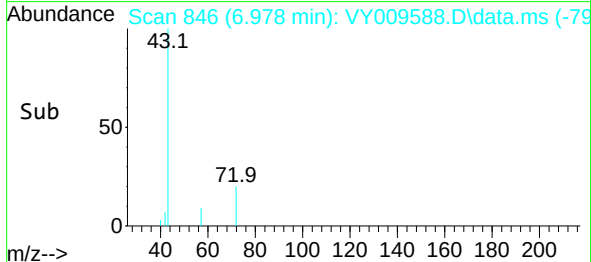
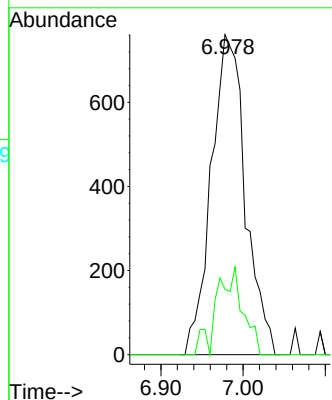
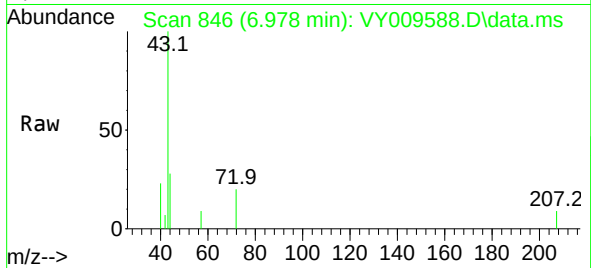




#25
2-Butanone
Concen: 3.432 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

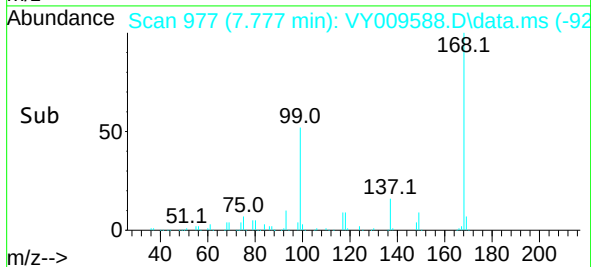
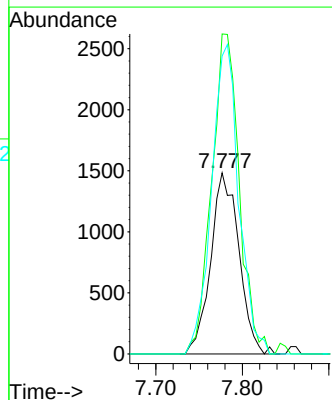
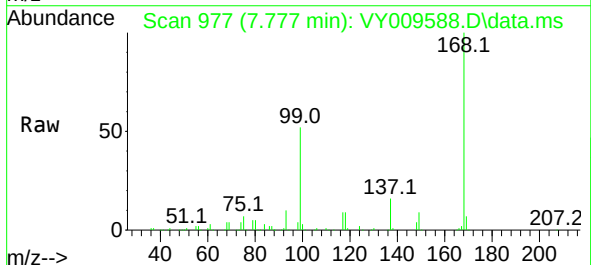
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-290

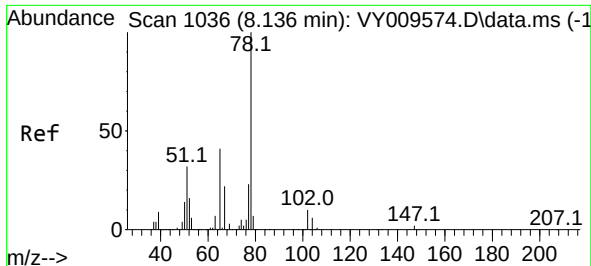
Tgt Ion: 43 Resp: 2189
Ion Ratio Lower Upper
43 100
72 20.4 17.7 26.5



#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.777 min Scan# 977
Delta R.T. 0.006 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

Tgt Ion: 56 Resp: 3359
Ion Ratio Lower Upper
56 100
69 176.6 26.7 40.1#
84 164.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.007 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY009588.D

Acq: 19 Jul 2022 14:41

Instrument :

MSVOA_Y

ClientSampleId :

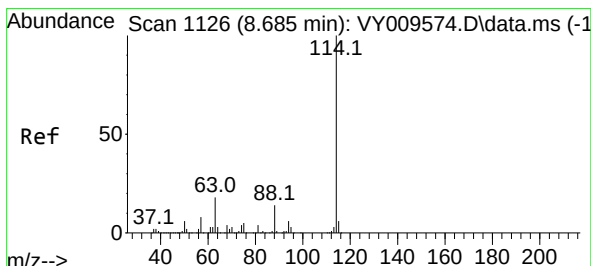
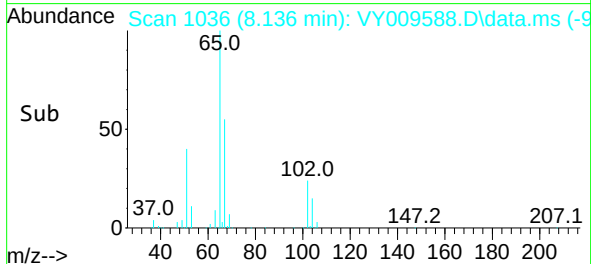
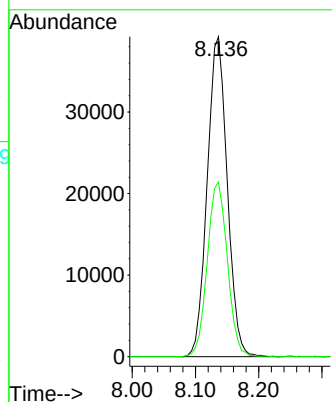
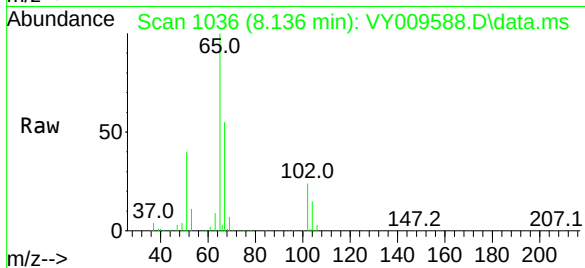
ETGI-290

Tgt Ion: 65 Resp: 86435

Ion Ratio Lower Upper

65 100

67 54.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009588.D

Acq: 19 Jul 2022 14:41

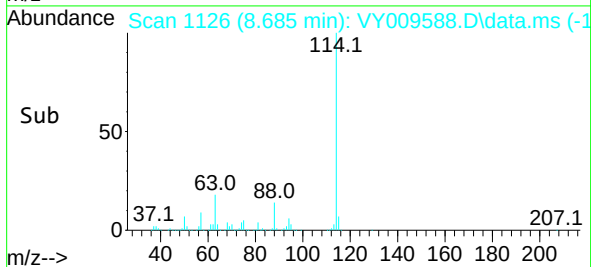
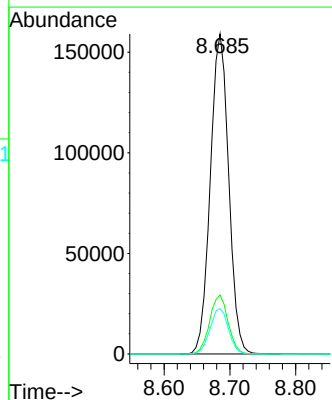
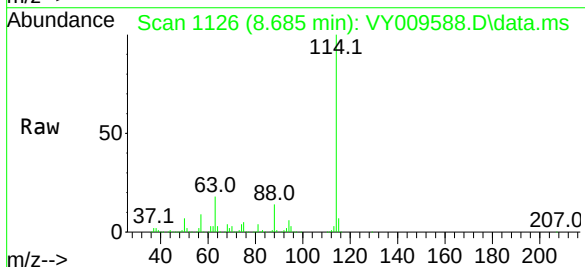
Tgt Ion: 114 Resp: 309214

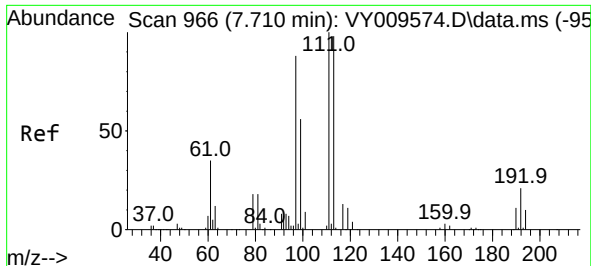
Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 14.2 0.0 31.8

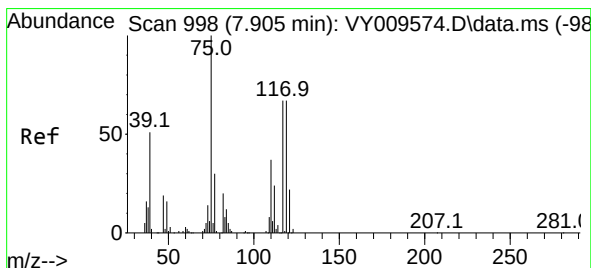
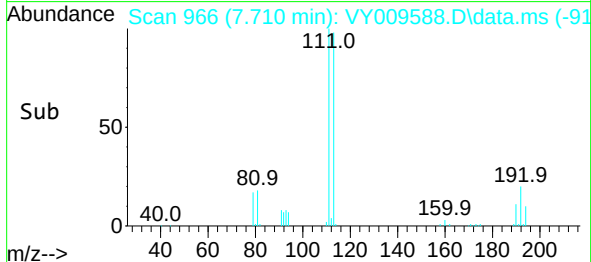
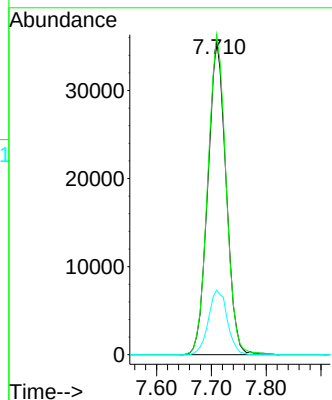
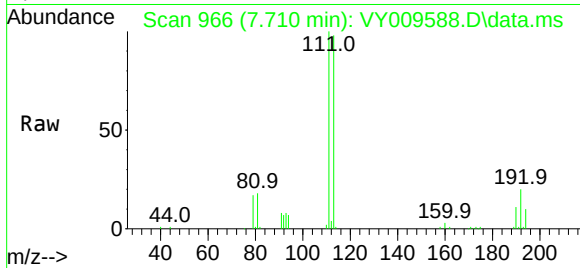




#35
Dibromofluoromethane
Concen: 42.177 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

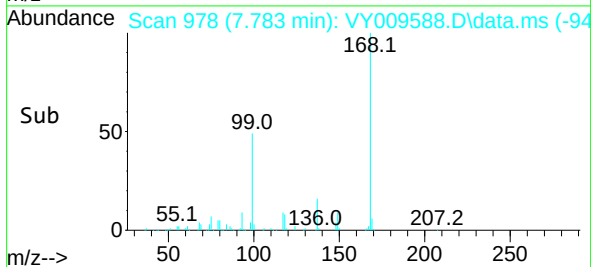
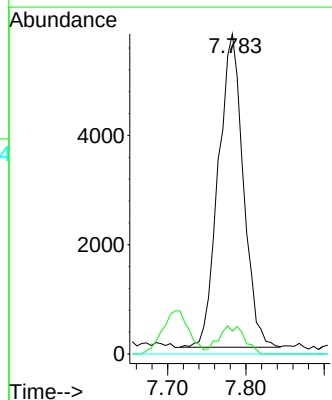
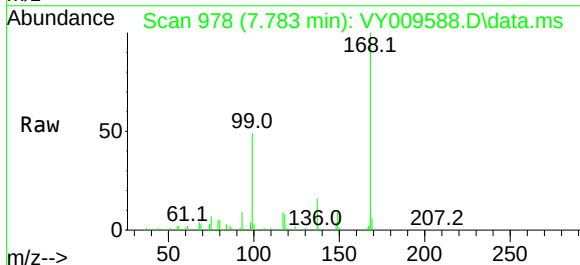
Instrument :
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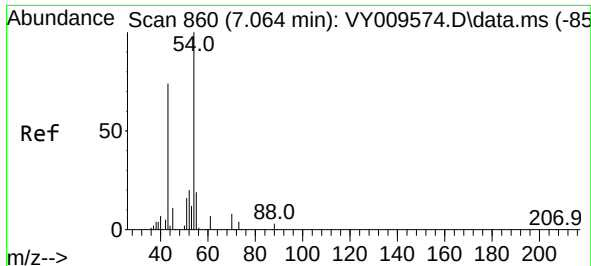
Tgt Ion:113 Resp: 82162
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 21.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

Tgt Ion: 75 Resp: 12711
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.366 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.086 min

Lab File: VY009588.D

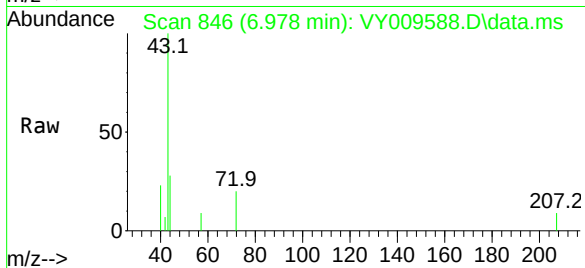
Acq: 19 Jul 2022 14:41

Instrument :

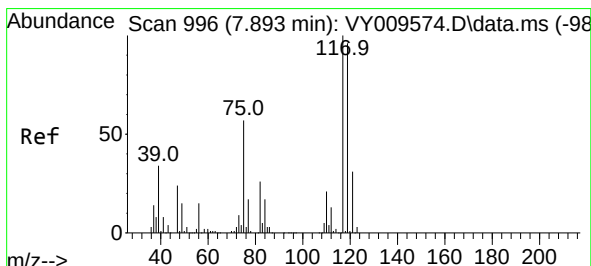
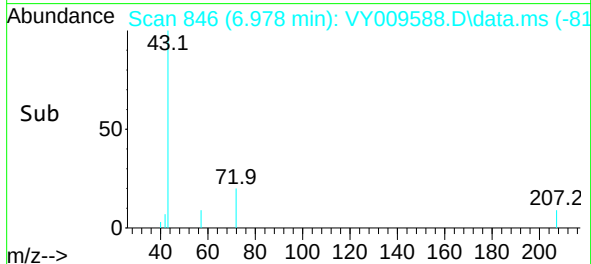
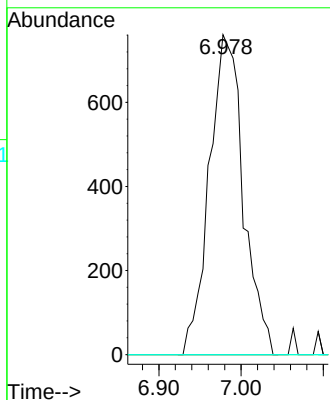
MSVOA_Y

ClientSampleId :

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Tgt Ion:	43	Resp:	2189
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.478 ug/l

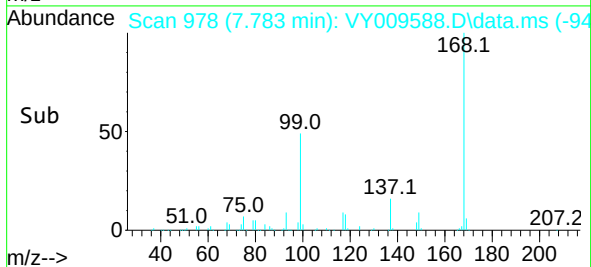
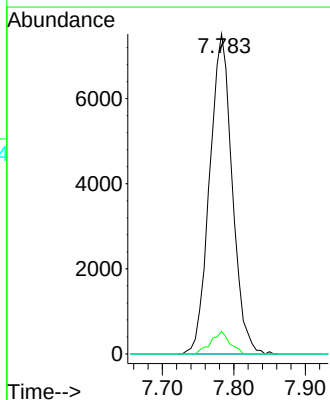
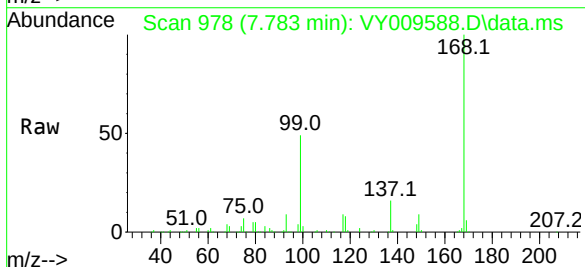
RT: 7.783 min Scan# 978

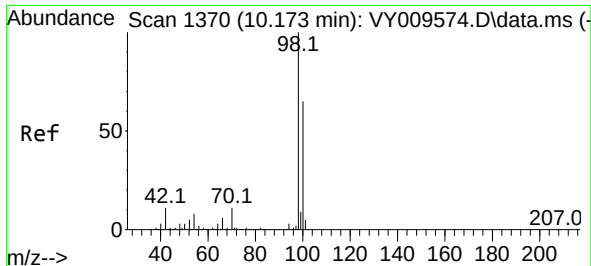
Delta R.T. -0.110 min

Lab File: VY009588.D

Acq: 19 Jul 2022 14:41

Tgt Ion:	117	Resp:	16507
Ion	Ratio	Lower	Upper
117	100		
119	7.1	77.9	116.9#
121	0.0	24.8	37.2#

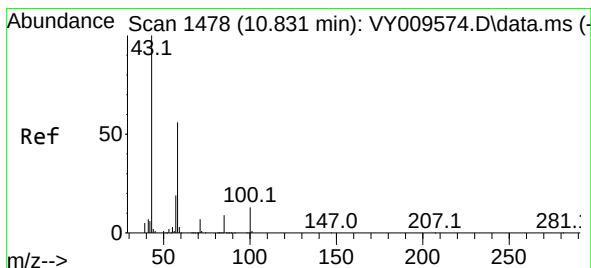
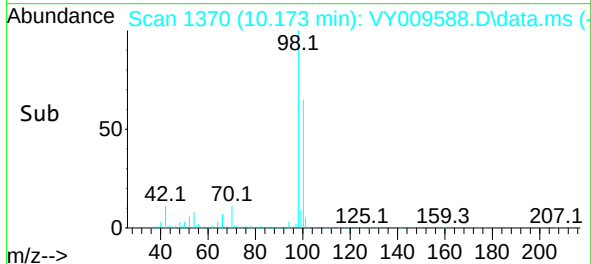
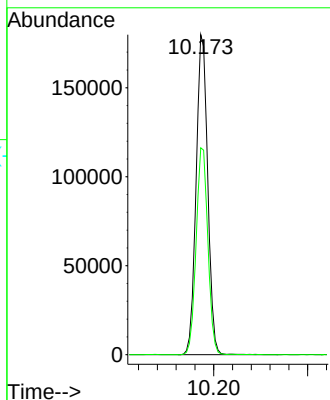
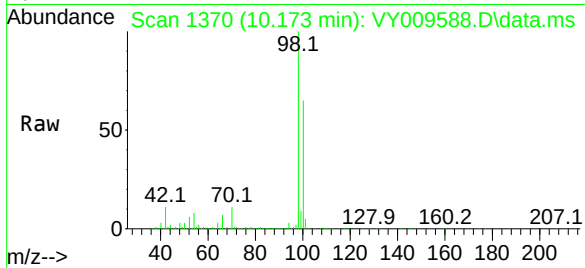




#50
Toluene-d8
Concen: 41.315 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

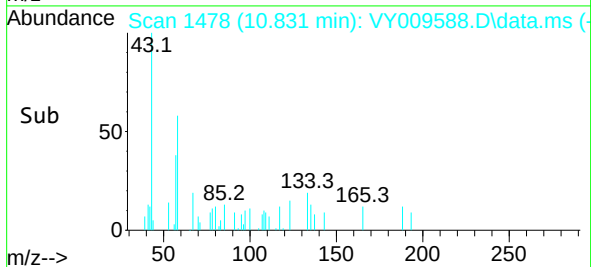
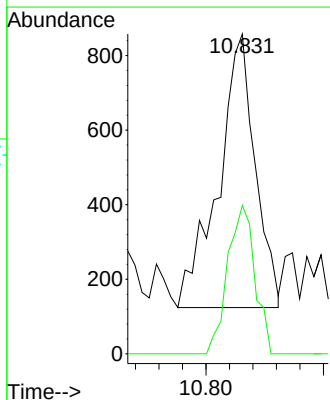
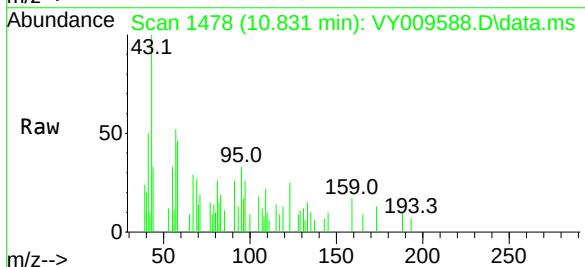
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-290

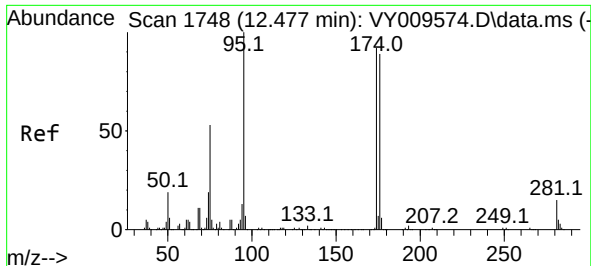
Tgt Ion: 98 Resp: 309402
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#59
2-Hexanone
Concen: 1.513 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

Tgt Ion: 43 Resp: 1604
Ion Ratio Lower Upper
43 100
58 39.8 24.4 73.4

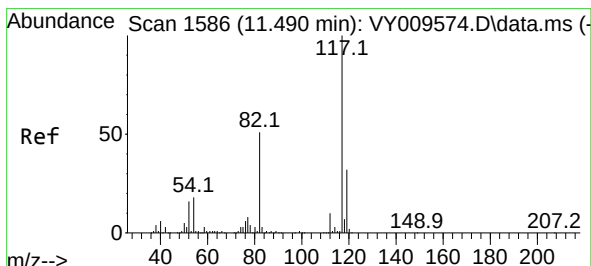
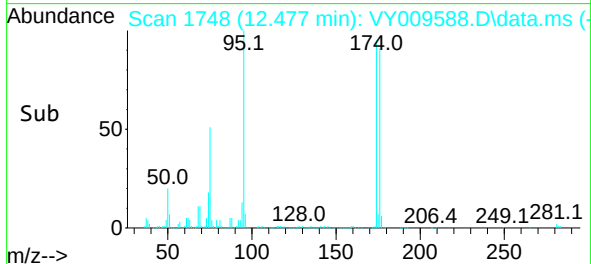
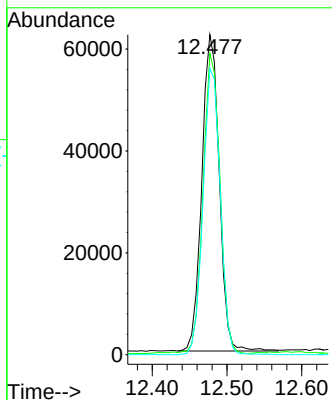
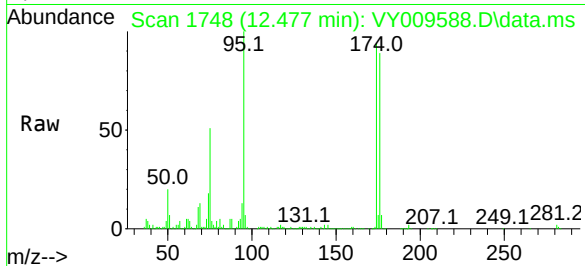




#62
4-Bromofluorobenzene
Concen: 41.415 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

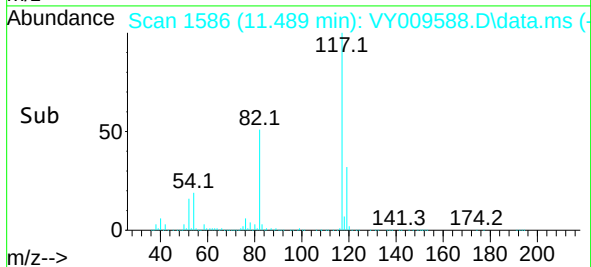
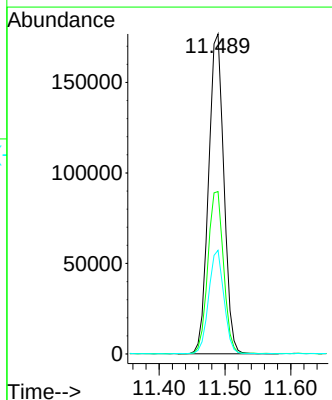
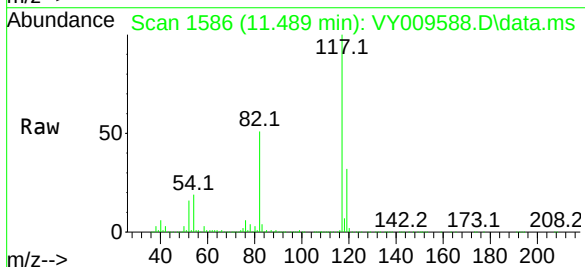
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-290

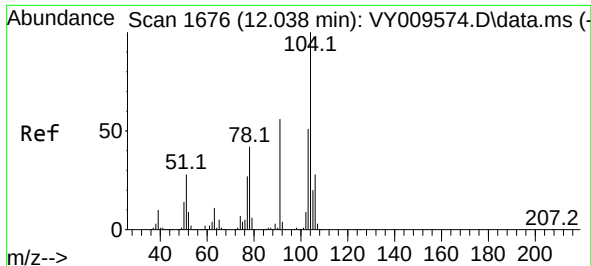
Tgt Ion: 95 Resp: 100499
Ion Ratio Lower Upper
95 100
174 93.8 0.0 177.0
176 89.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

Tgt Ion: 117 Resp: 286356
Ion Ratio Lower Upper
117 100
82 50.7 43.0 64.4
119 32.3 25.4 38.0

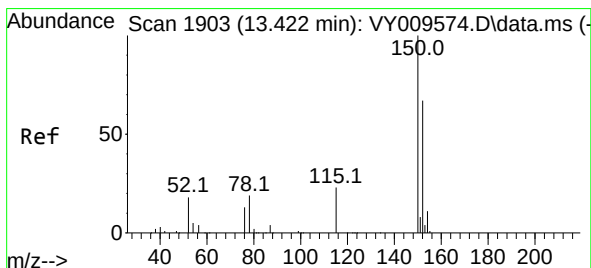
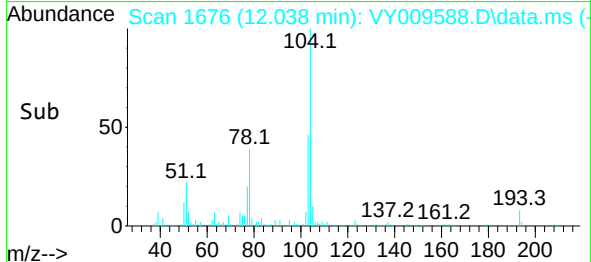
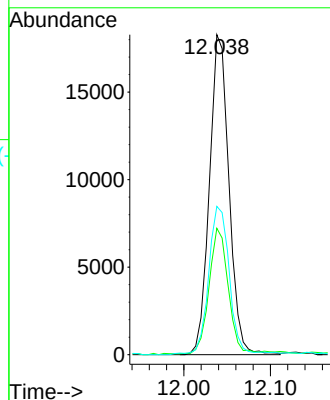
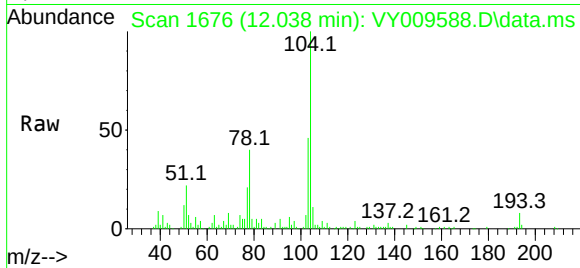




#70
Styrene
Concen: 4.502 ug/l
RT: 12.038 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

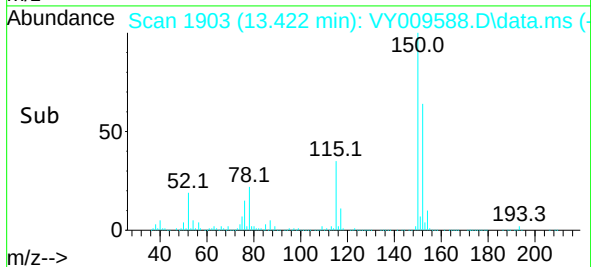
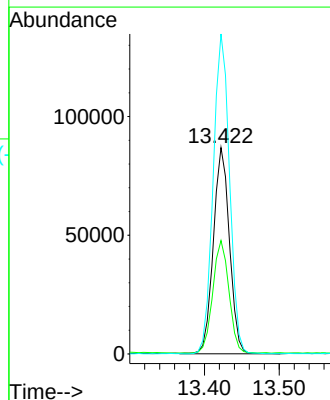
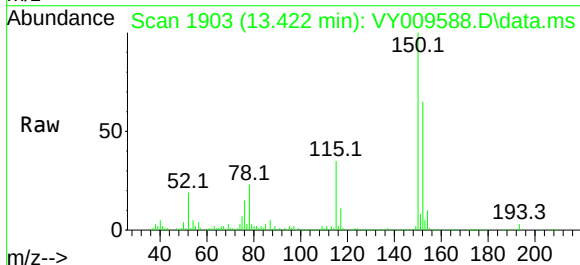
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-290

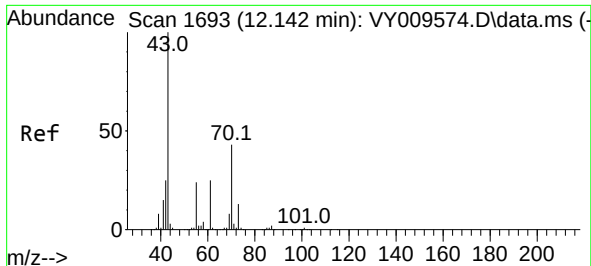
Tgt Ion:104 Resp: 28701
Ion Ratio Lower Upper
104 100
78 38.2 42.4 63.6#
103 49.8 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

Tgt Ion:152 Resp: 129950
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 157.1 0.0 347.6

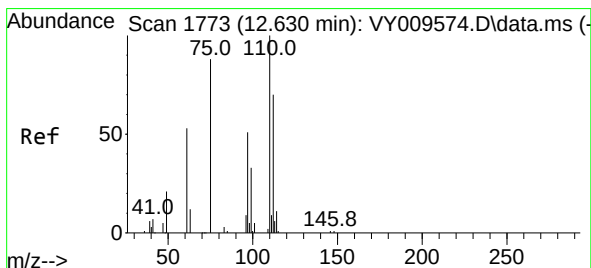
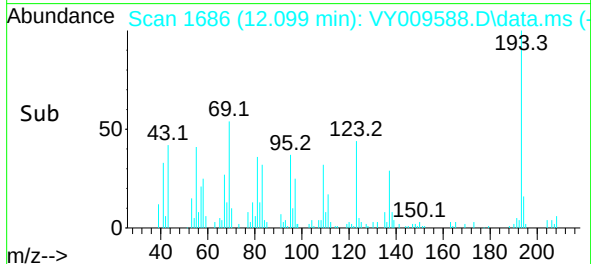
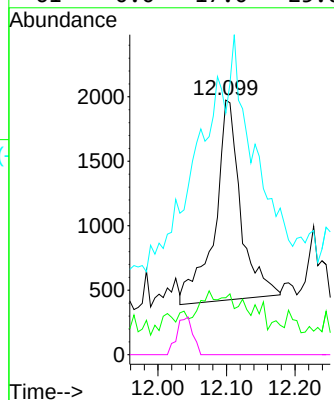
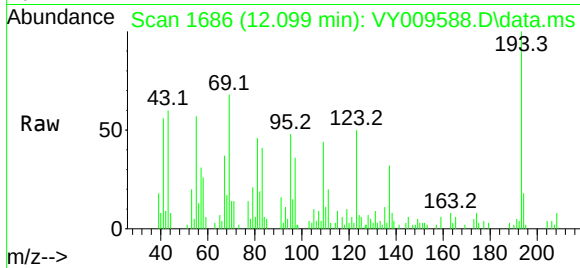




#74
N-amy1 acetate
Concen: 1.694 ug/l
RT: 12.099 min Scan# 1748
Delta R.T. -0.043 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

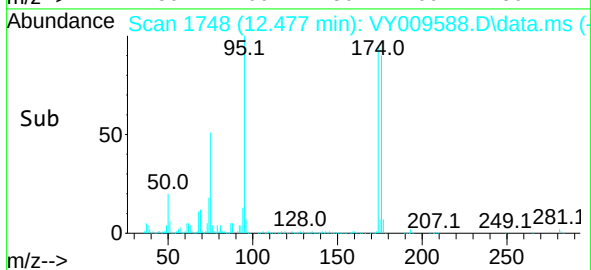
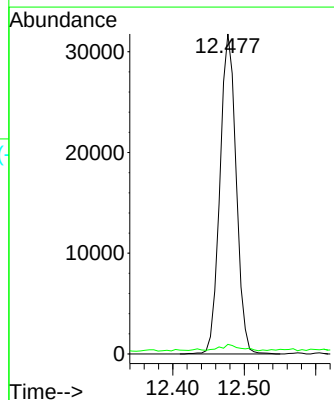
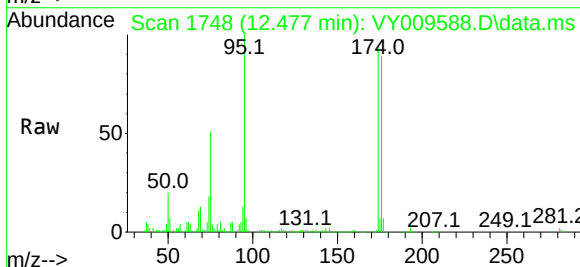
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-290

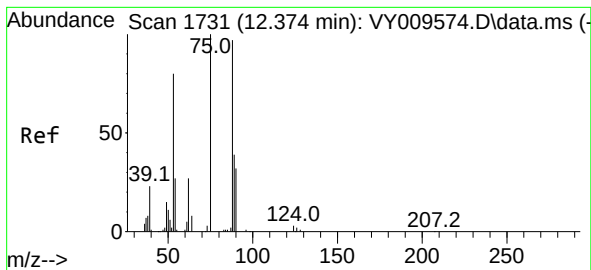
Tgt Ion: 43 Resp: 4054
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 125.4 17.3 25.9#
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 40.545 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009588.D
Acq: 19 Jul 2022 14:41

Tgt Ion: 75 Resp: 50191
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.946 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009588.D
 Acq: 19 Jul 2022 14:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-290

Tgt Ion: 75 Resp: 50191
 Ion Ratio Lower Upper
 75 100
 53 0.3 85.3 127.9#
 89 0.2 37.0 55.4#

