

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010105.D
 Acq On : 19 Aug 2022 15:54
 Operator : KP/MD
 Sample : N4214-02RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-354

Quant Time: Aug 22 02:41:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

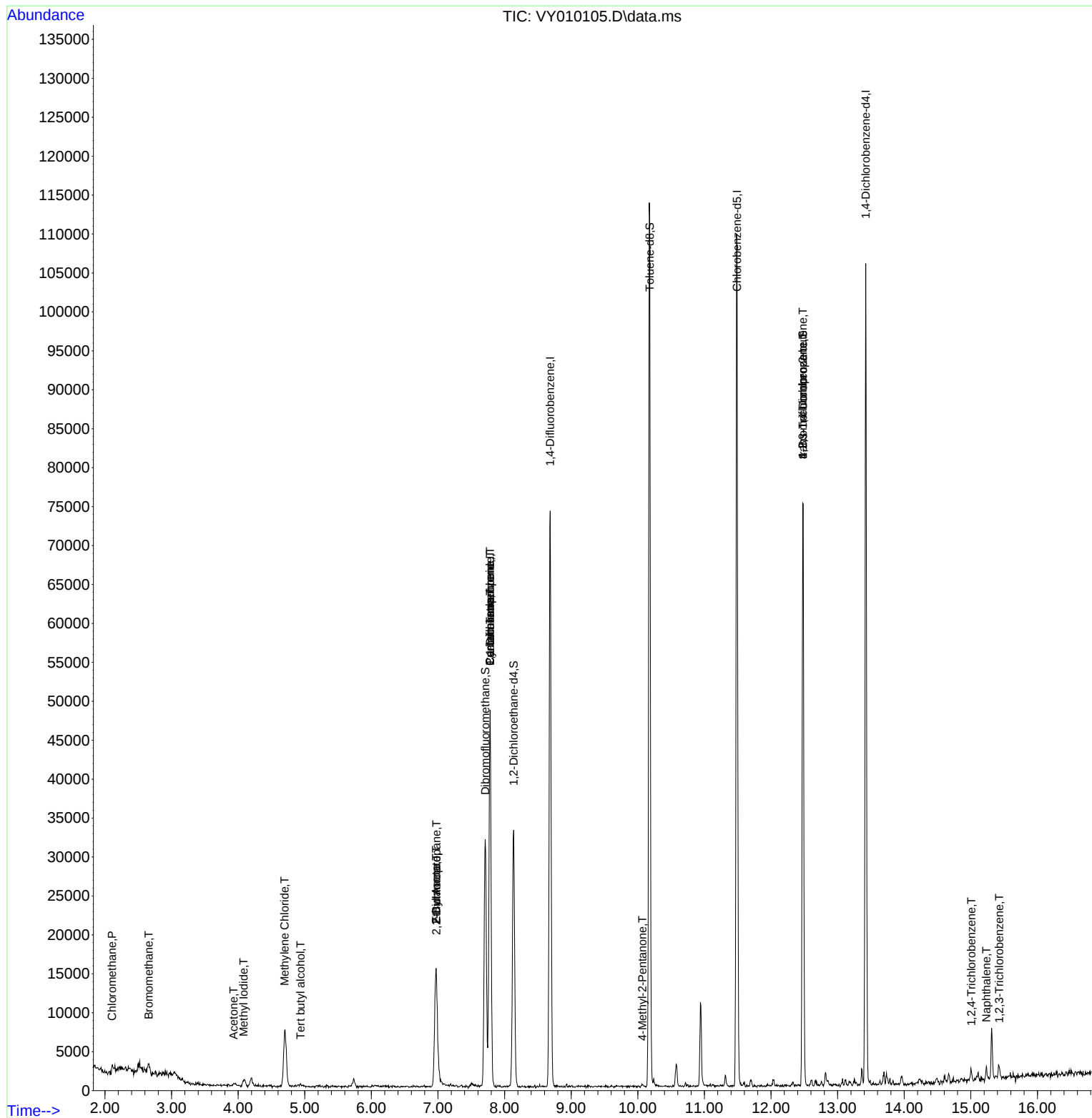
Internal Standards						
1) Pentafluorobenzene	7.783	168	39245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	66935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	65319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	28004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	24809	77.178	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 154.360%	
35) Dibromofluoromethane	7.710	113	23453	62.182	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.360%	
50) Toluene-d8	10.179	98	80301	56.819	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.640%	
62) 4-Bromofluorobenzene	12.477	95	24217	47.959	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	634	1.926	ug/l	100
5) Bromomethane	2.656	94	693	2.553	ug/l	94
10) Methyl Iodide	4.082	142	1491	3.201	ug/l #	84
11) Tert butyl alcohol	4.936	59	499	24.802	ug/l #	73
16) Acetone	3.930	43	584	7.259	ug/l #	40
20) Methylene Chloride	4.698	84	5771	5.420	ug/l #	91
25) 2-Butanone	6.972	43	882	6.815	ug/l #	46
26) 2,2-Dichloropropane	6.978	77	1281	2.114	ug/l #	50
31) Cyclohexane	7.783	56	791	1.201	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	2786	4.628	ug/l #	47
37) Ethyl Acetate	6.972	43	882	2.886	ug/l #	1
38) Carbon Tetrachloride	7.783	117	3539	5.605	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	334	1.119	ug/l #	78
76) 1,2,3-Trichloropropane	12.477	75	11166	42.575	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	11166	85.513	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.007	180	657	1.353	ug/l	86
95) Naphthalene	15.233	128	1595	5.284	ug/l	96
96) 1,2,3-Trichlorobenzene	15.428	180	668	1.578	ug/l	95

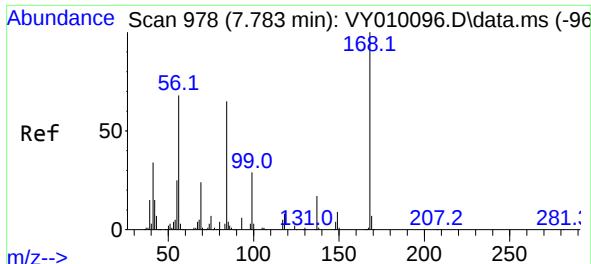
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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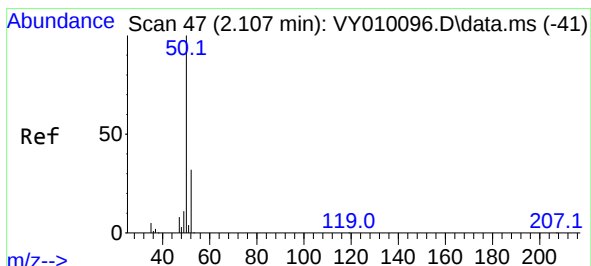
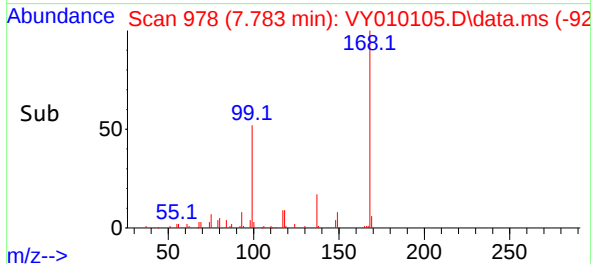
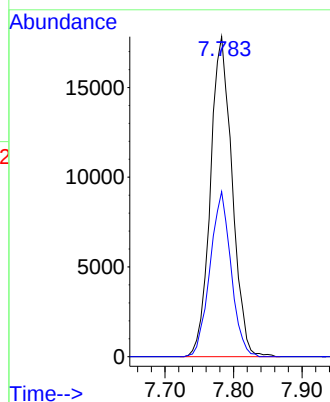
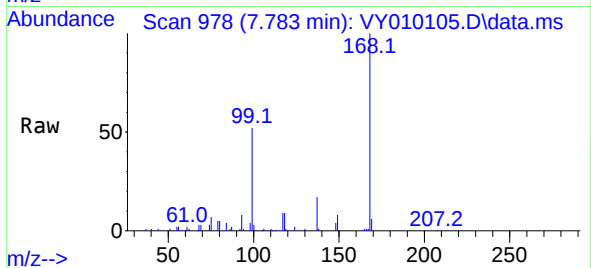




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

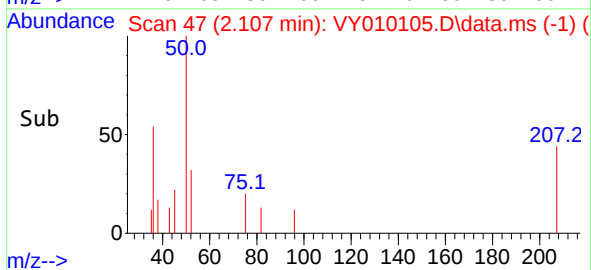
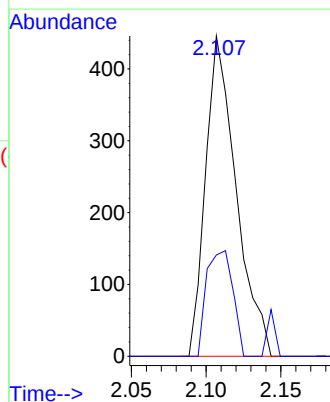
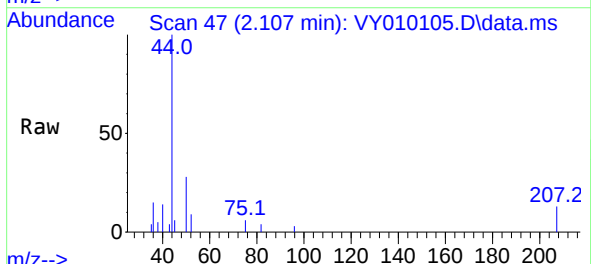
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

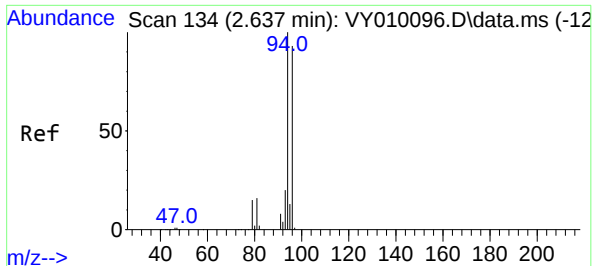
Tgt Ion:168 Resp: 39245
Ion Ratio Lower Upper
168 100
99 51.6 40.7 61.1



#3
Chloromethane
Concen: 1.926 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion: 50 Resp: 634
Ion Ratio Lower Upper
50 100
52 31.6 25.3 37.9

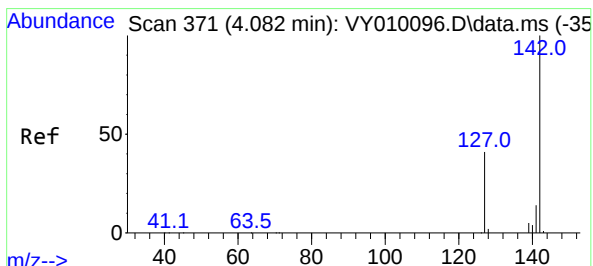
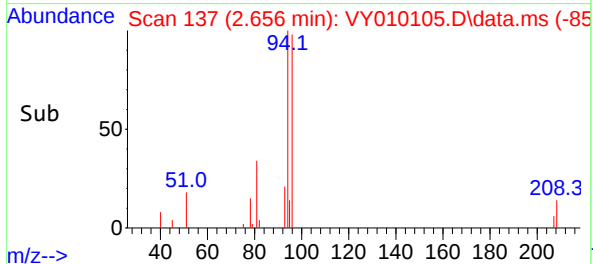
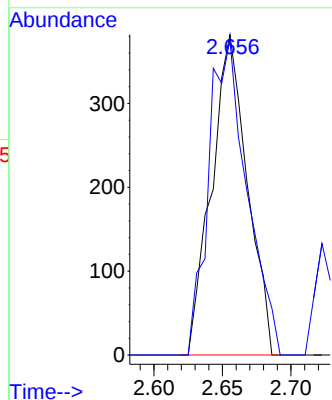
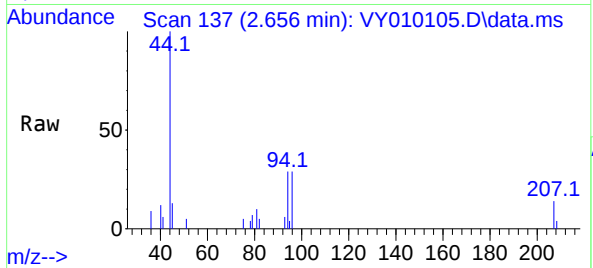




#5
Bromomethane
Concen: 2.553 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

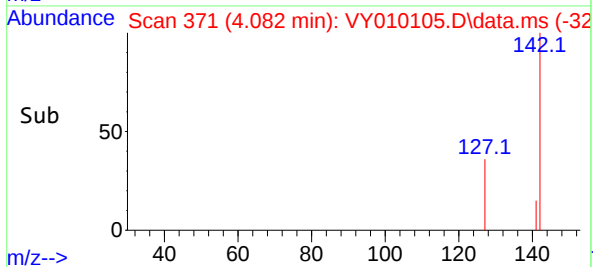
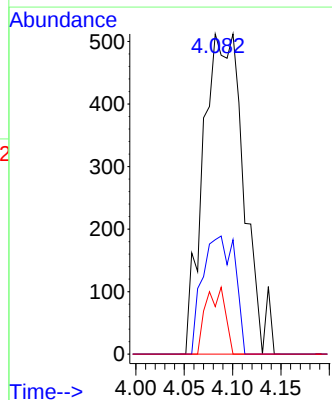
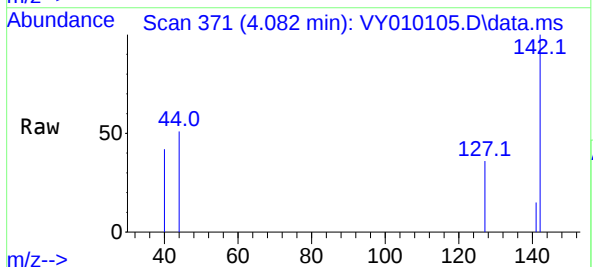
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

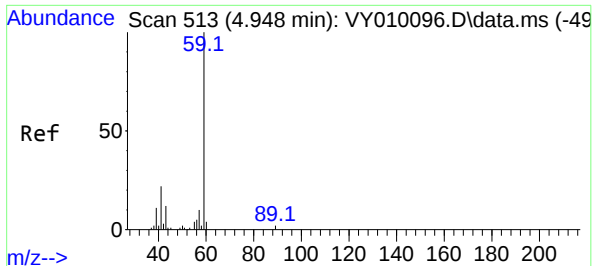
Tgt Ion: 94 Resp: 693
Ion Ratio Lower Upper
94 100
96 98.4 74.3 111.5



#10
Methyl Iodide
Concen: 3.201 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion: 142 Resp: 1491
Ion Ratio Lower Upper
142 100
127 29.4 32.2 48.4#
141 9.9 11.7 17.5#

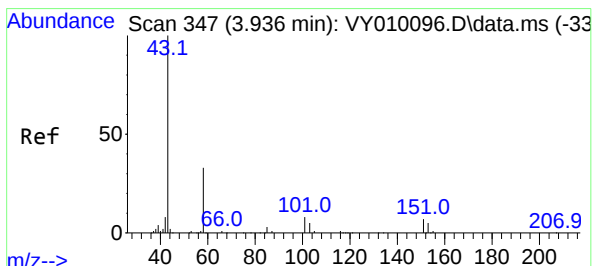
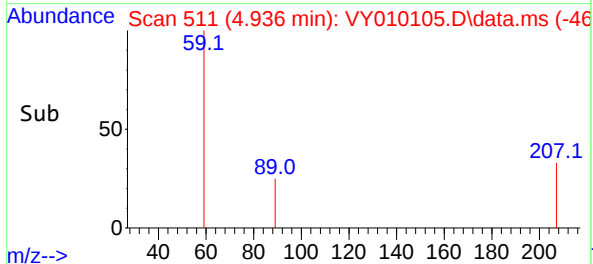
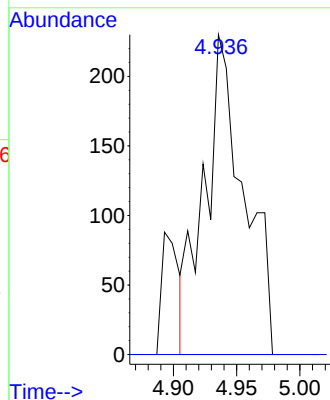
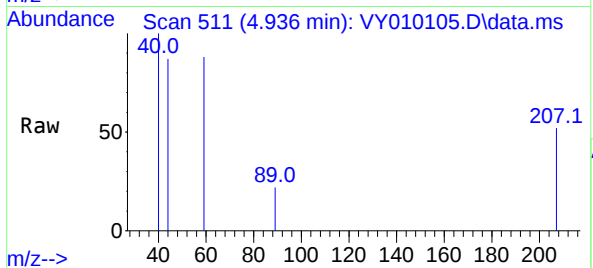




#11
Tert butyl alcohol
Concen: 24.802 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

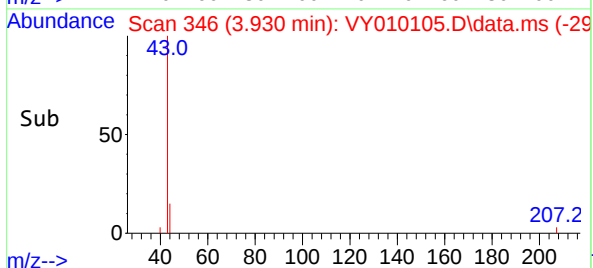
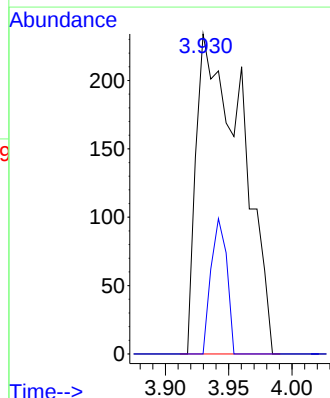
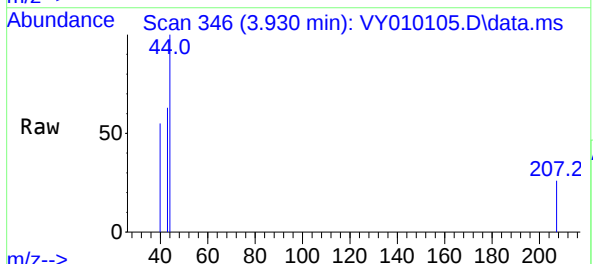
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

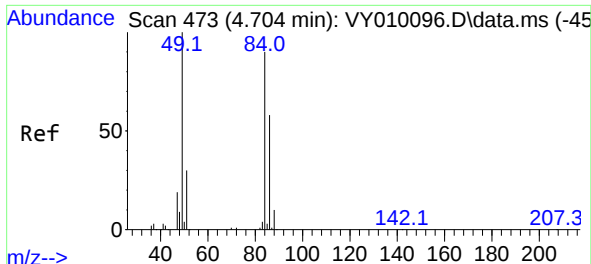
Tgt Ion: 59 Resp: 499
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 7.259 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.0#



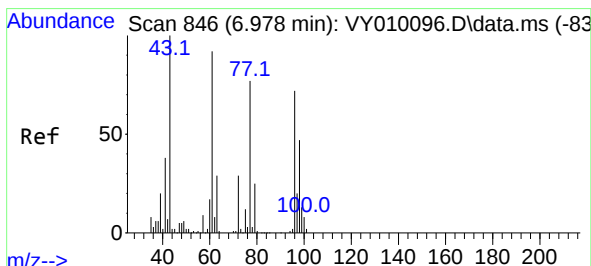
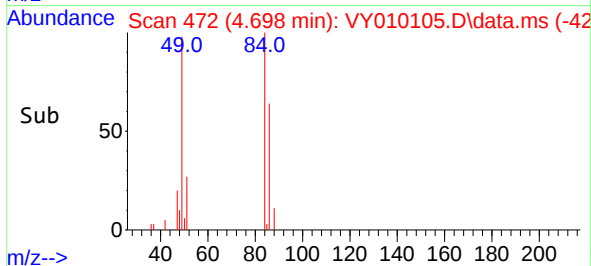
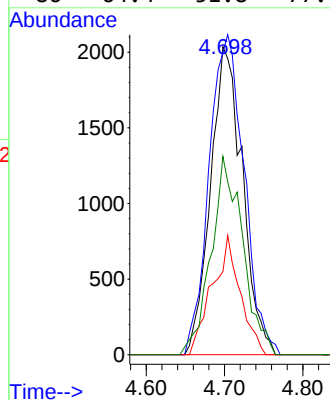
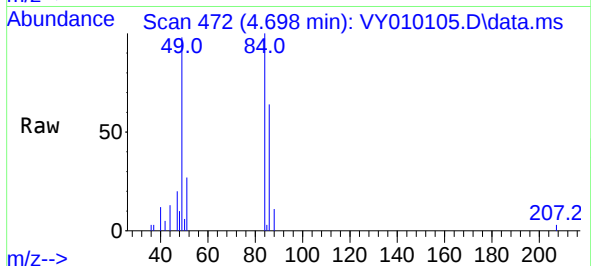


#20
Methylene Chloride
Concen: 5.420 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

Tgt Ion: 84 Resp: 5771

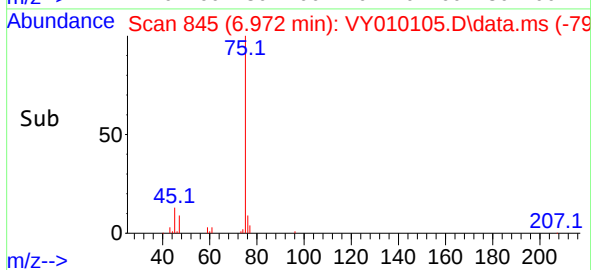
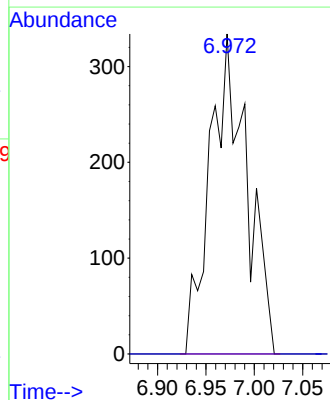
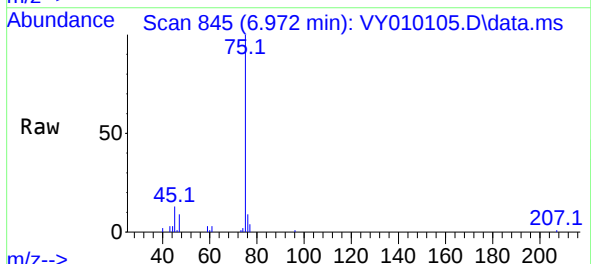
Ion	Ratio	Lower	Upper
84	100		
49	98.0	89.0	133.4
51	27.0	27.0	40.6#
86	64.4	51.8	77.6

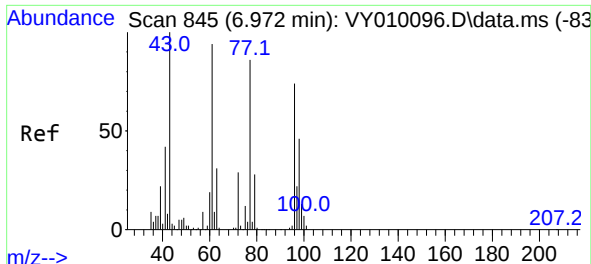


#25
2-Butanone
Concen: 6.815 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion: 43 Resp: 882

Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.2	34.8#





#26

2,2-Dichloropropane

Concen: 2.114 ug/l

RT: 6.978 min Scan# 845

Delta R.T. 0.006 min

Lab File: VY010105.D

Acq: 19 Aug 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

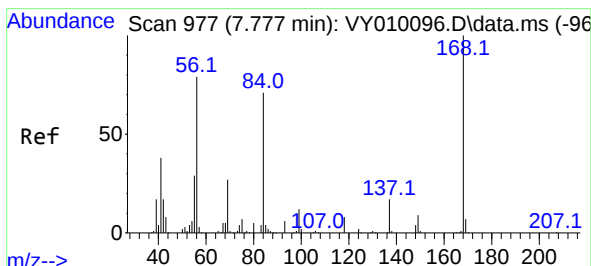
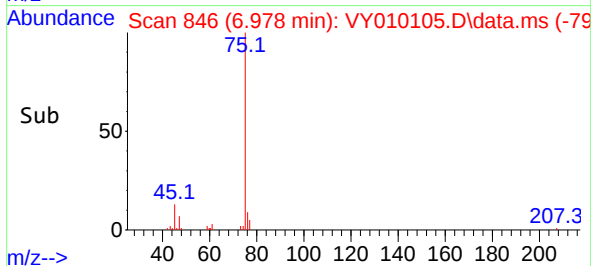
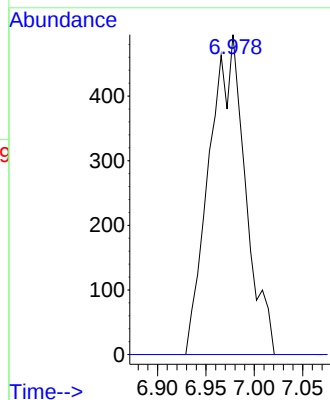
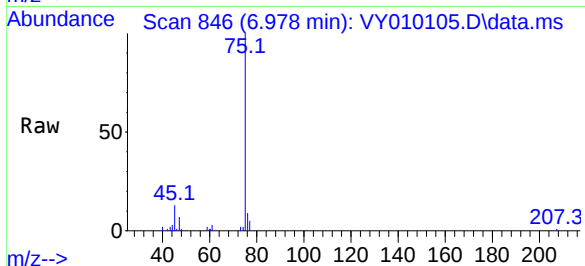
ETGI-354

Tgt Ion: 77 Resp: 1281

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010105.D

Acq: 19 Aug 2022 15:54

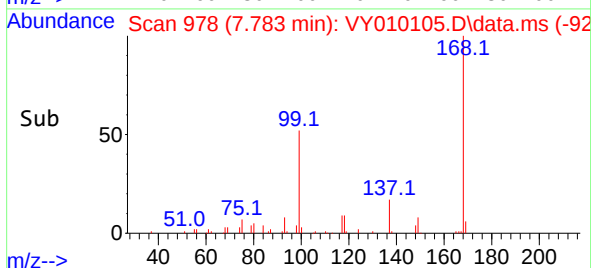
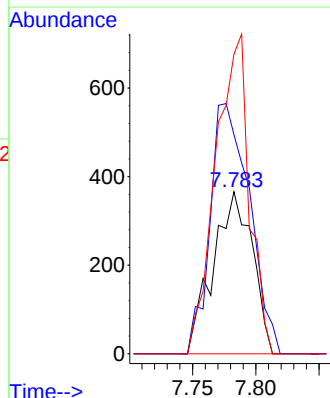
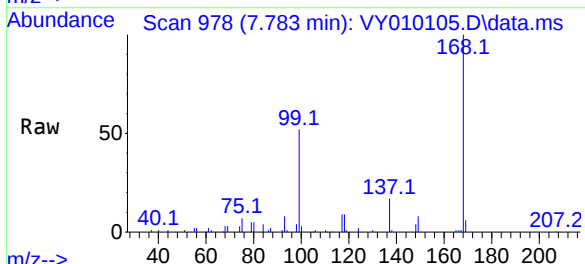
Tgt Ion: 56 Resp: 791

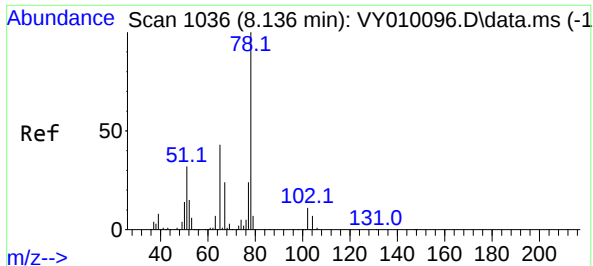
Ion Ratio Lower Upper

56 100

69 135.2 27.3 40.9#

84 184.7 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 77.178 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010105.D

Acq: 19 Aug 2022 15:54

Instrument :

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ClientSampleId :

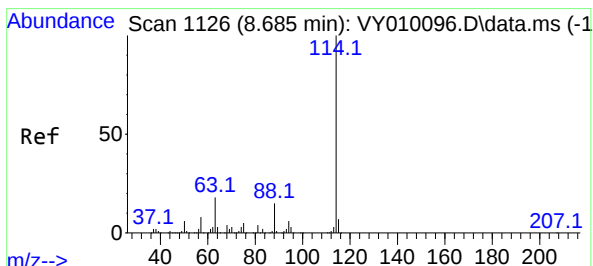
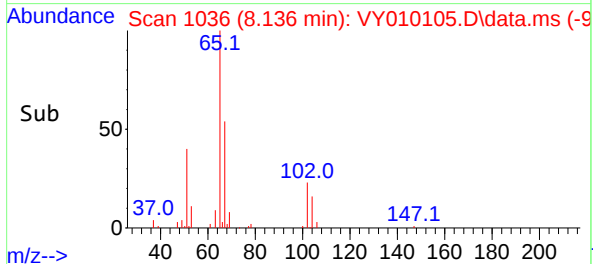
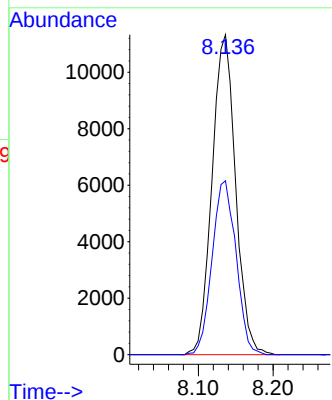
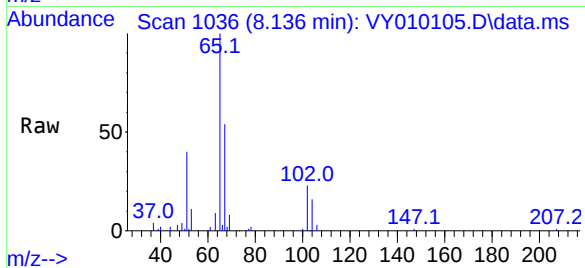
ETGI-354

Tgt Ion: 65 Resp: 24809

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010105.D

Acq: 19 Aug 2022 15:54

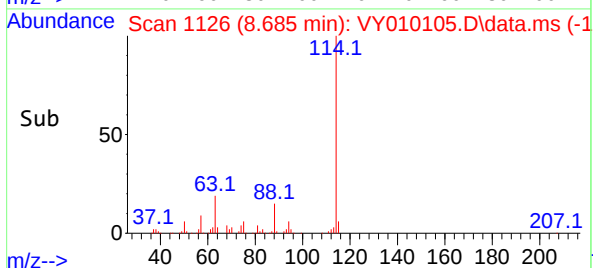
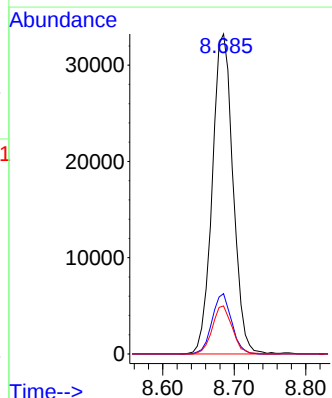
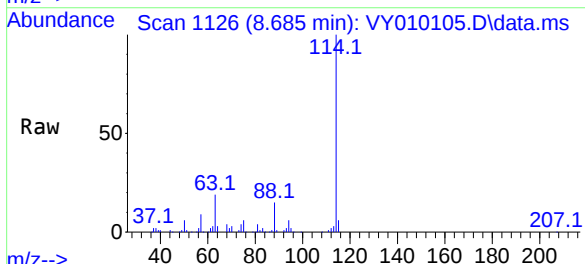
Tgt Ion: 114 Resp: 66935

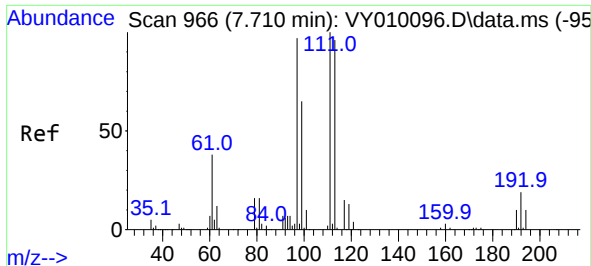
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.6

88 15.0 0.0 29.6

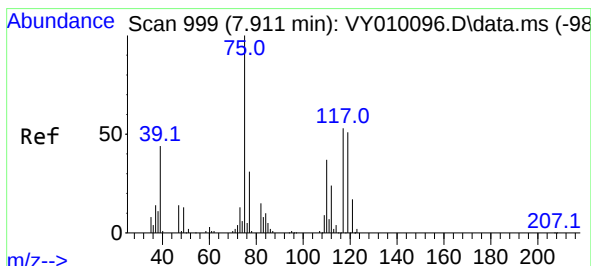
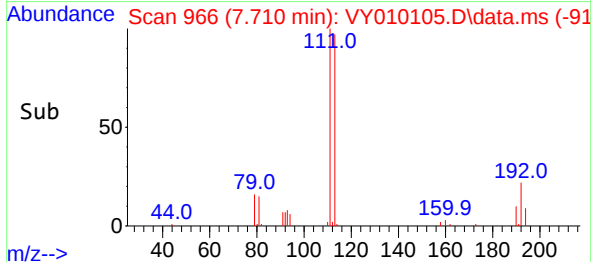
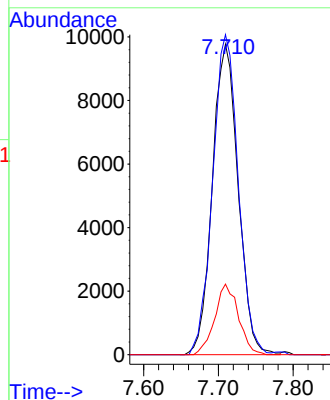
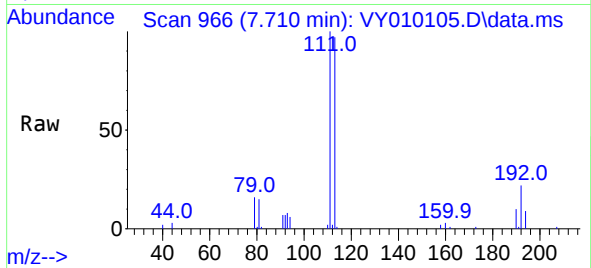




#35
Dibromofluoromethane
Concen: 62.182 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

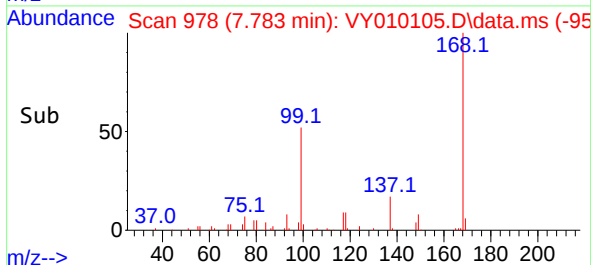
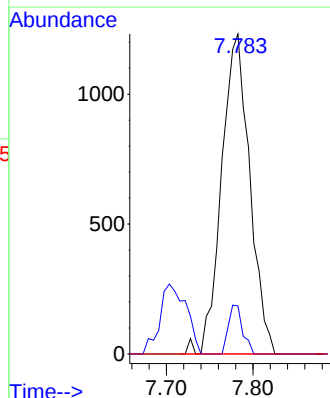
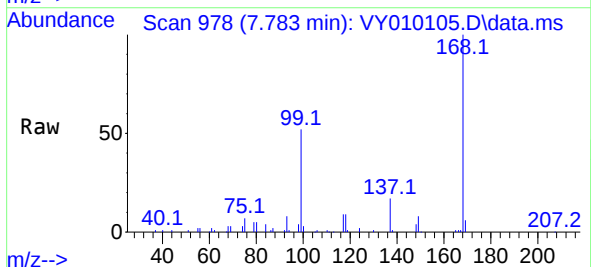
Instrument :
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ETGI-354

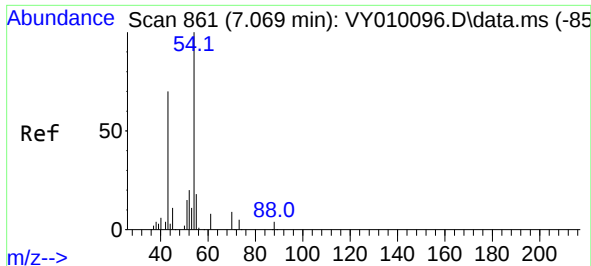
Tgt Ion:	113	Resp:	23453
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.8	124.2
192	20.9	16.3	24.5



#36
1,1-Dichloropropene
Concen: 4.628 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion:	75	Resp:	2786
Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.6	56.0#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 2.886 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.097 min

Lab File: VY010105.D

Acq: 19 Aug 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-354

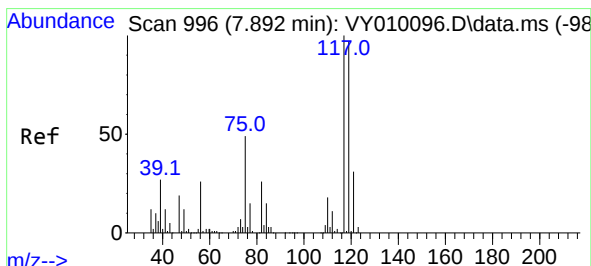
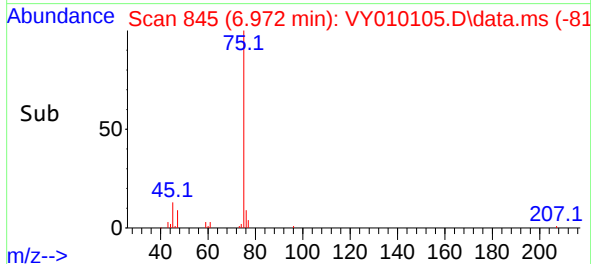
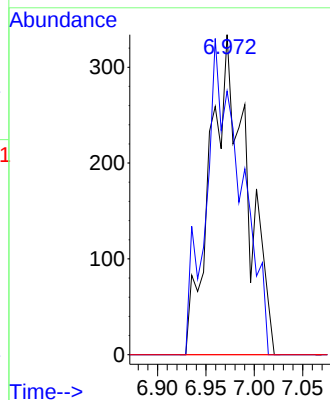
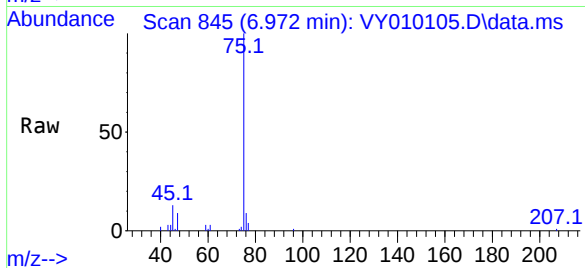
Tgt Ion: 43 Resp: 882

Ion Ratio Lower Upper

43 100

61 94.2 11.7 17.5#

70 0.0 9.0 13.4#



#38

Carbon Tetrachloride

Concen: 5.605 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY010105.D

Acq: 19 Aug 2022 15:54

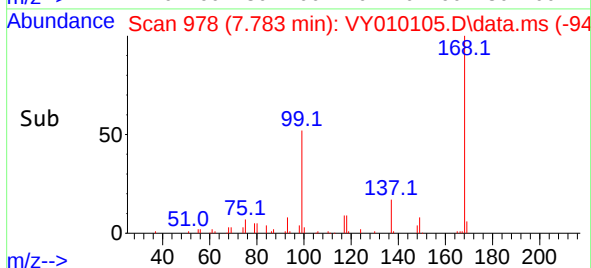
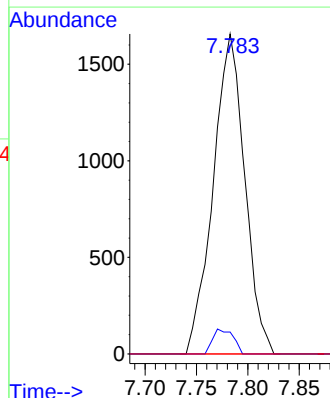
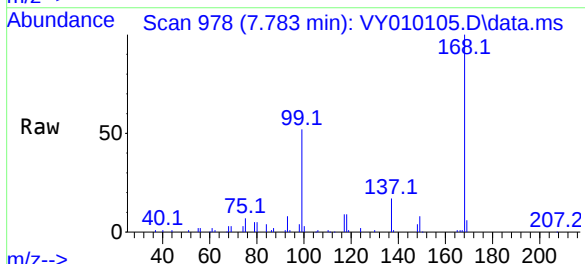
Tgt Ion: 117 Resp: 3539

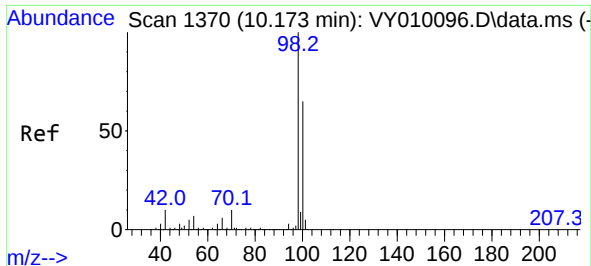
Ion Ratio Lower Upper

117 100

119 6.8 77.1 115.7#

121 0.0 24.7 37.1#

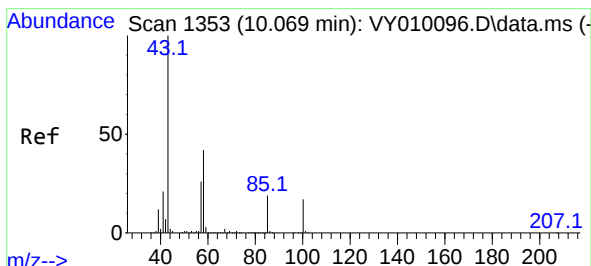
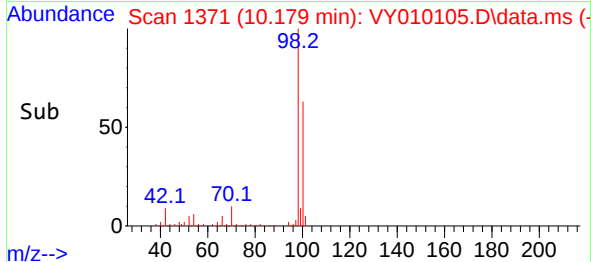
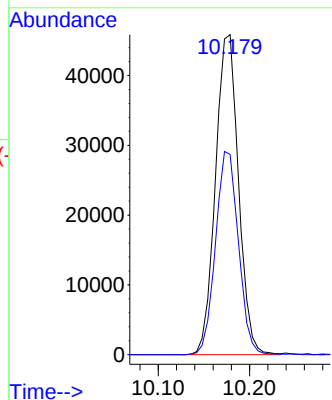
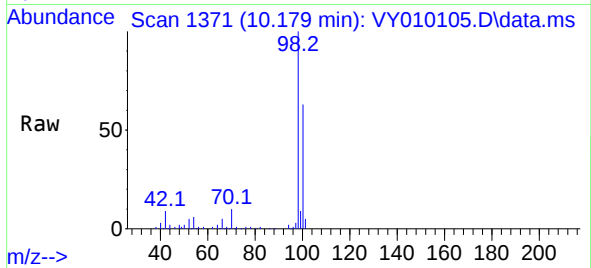




#50
Toluene-d8
Concen: 56.819 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

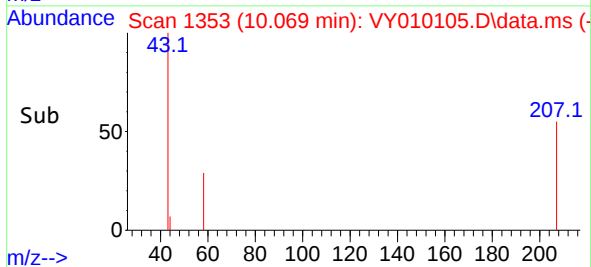
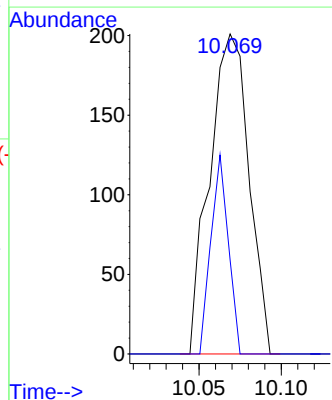
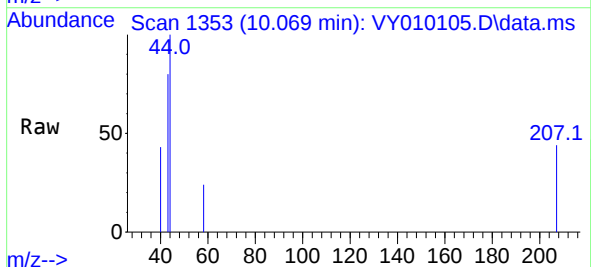
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

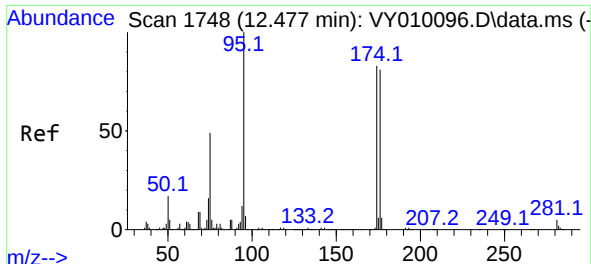
Tgt Ion: 98 Resp: 80301
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.119 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
58 27.5 33.3 49.9#

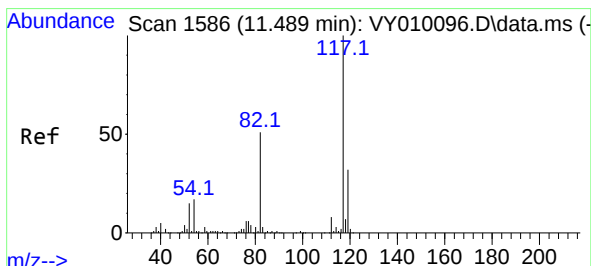
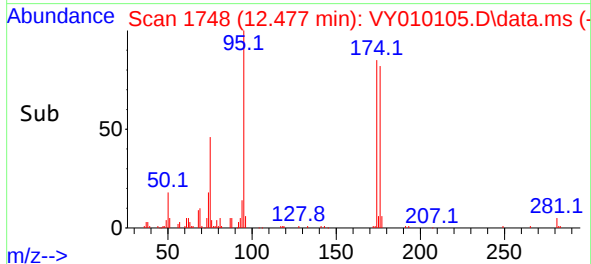
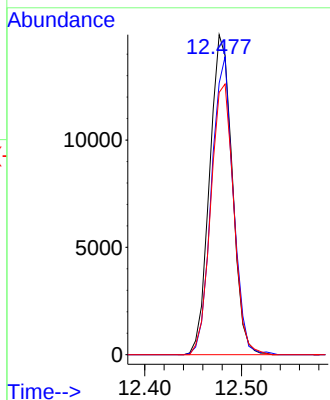
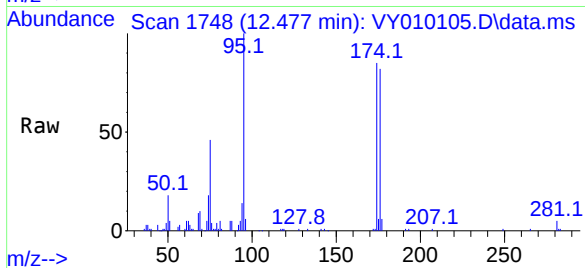




#62
4-Bromofluorobenzene
Concen: 47.959 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

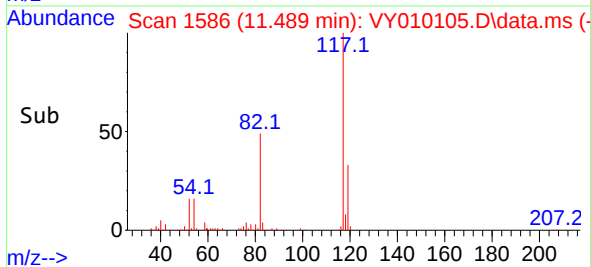
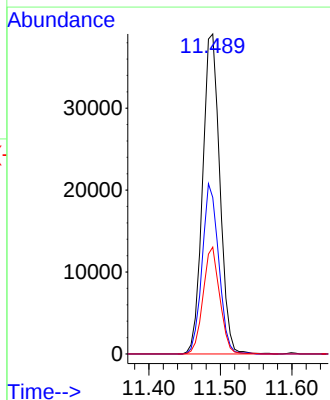
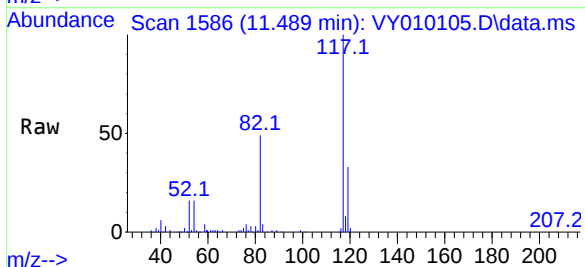
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

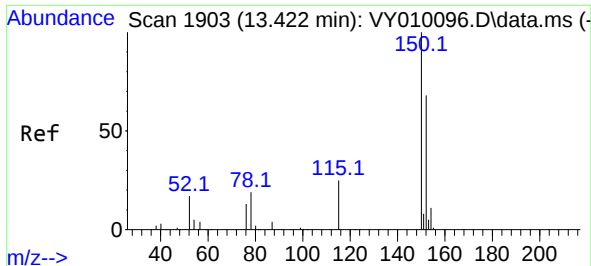
Tgt Ion: 95 Resp: 24217
Ion Ratio Lower Upper
95 100
174 89.2 0.0 173.8
176 85.4 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion: 117 Resp: 65319
Ion Ratio Lower Upper
117 100
82 48.9 40.6 61.0
119 33.4 25.8 38.8

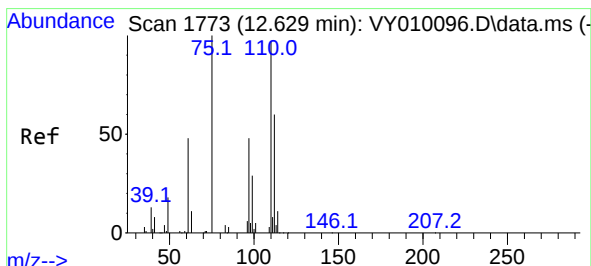
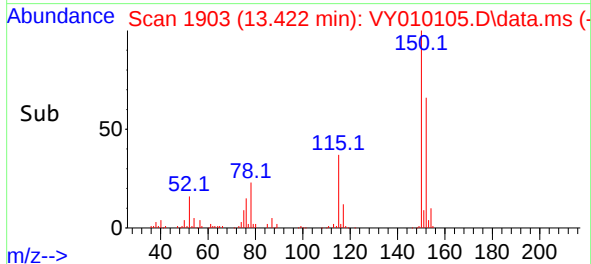
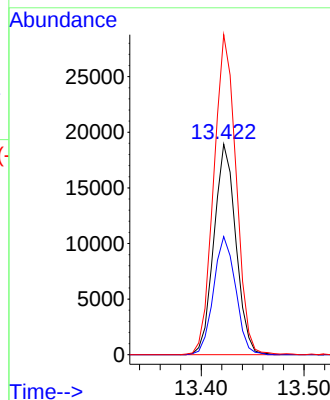
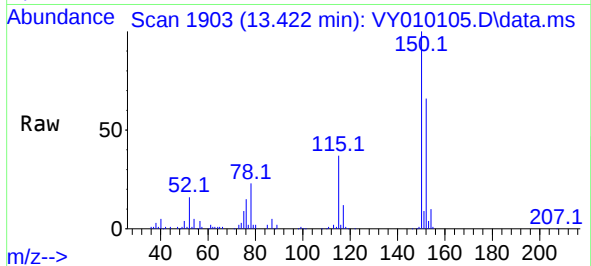




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

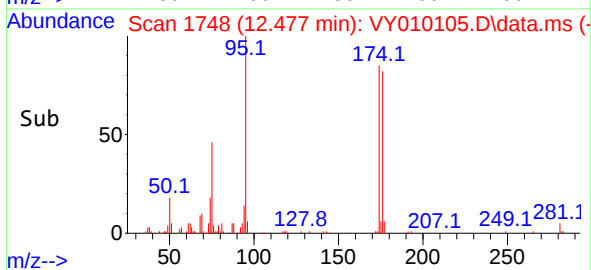
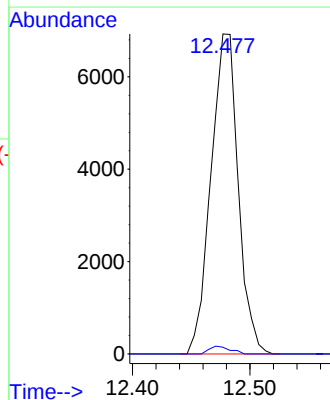
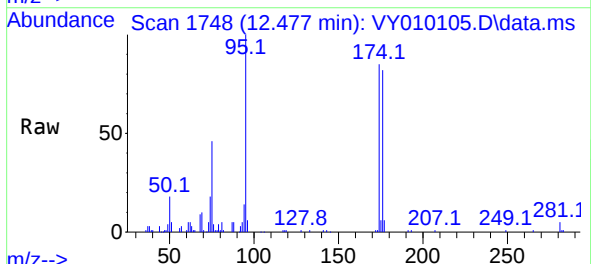
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

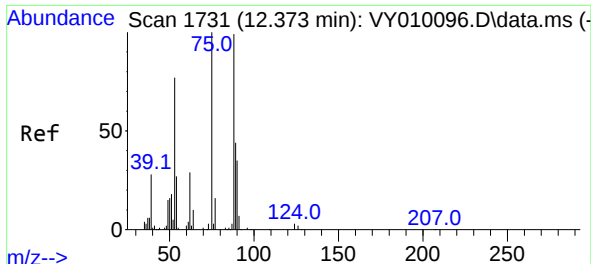
Tgt Ion:152 Resp: 28004
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.2
150 155.4 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 42.575 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion: 75 Resp: 11166
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

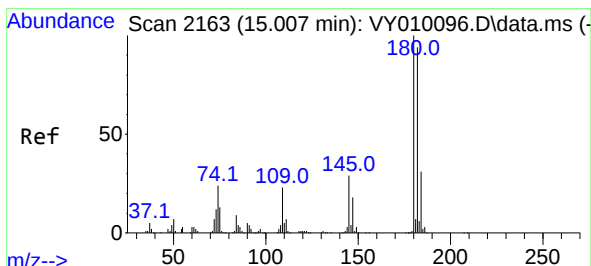
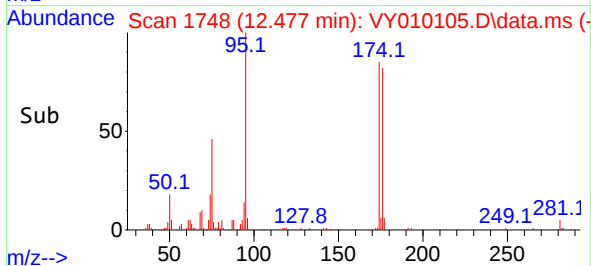
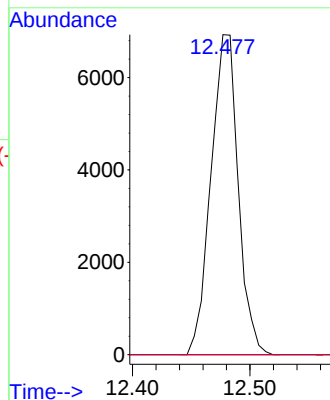
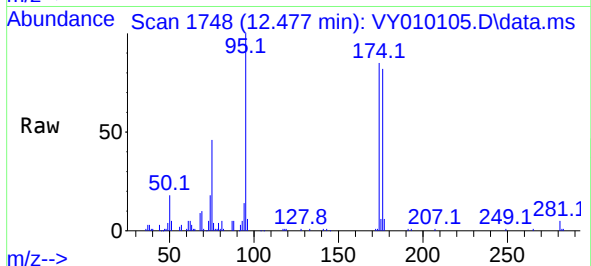




#81
trans-1,4-Dichloro-2-butene
Concen: 85.513 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

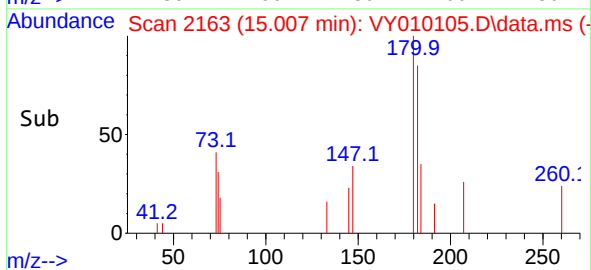
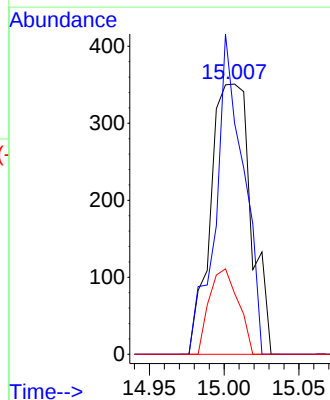
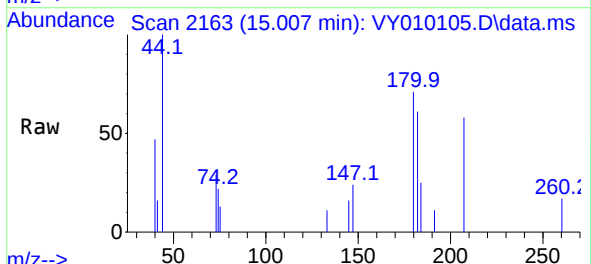
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

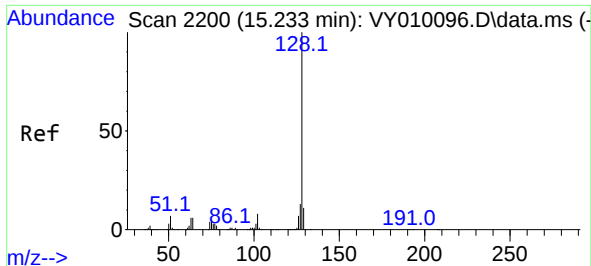
Tgt Ion: 75 Resp: 11166
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 36.8 55.2#



#93
1,2,4-Trichlorobenzene
Concen: 1.353 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion:180 Resp: 657
Ion Ratio Lower Upper
180 100
182 81.9 47.6 142.8
145 22.8 15.0 45.0

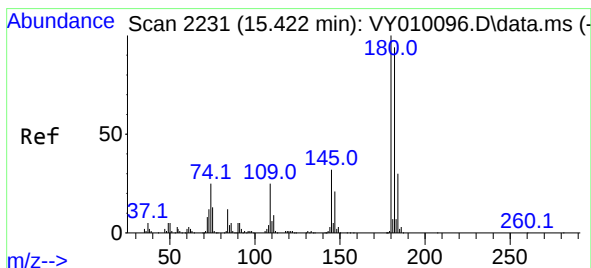
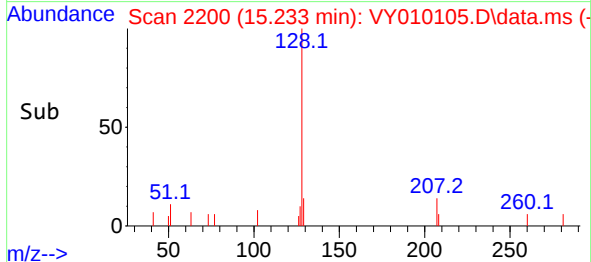
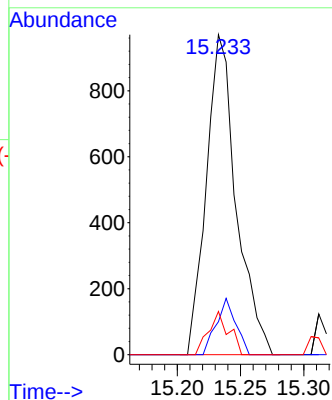
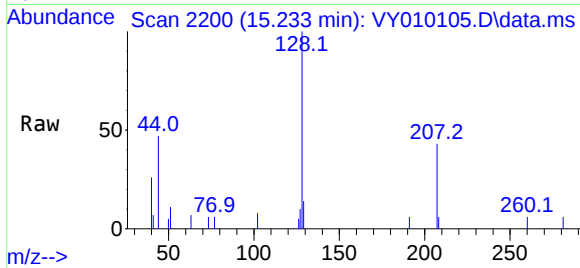




#95
Naphthalene
Concen: 5.284 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

Tgt Ion:	128	Resp:	1595
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.2	15.2
129	9.2	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 1.578 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY010105.D
Acq: 19 Aug 2022 15:54

Tgt Ion:	180	Resp:	668
Ion	Ratio	Lower	Upper
180	100		
182	88.8	47.0	141.2
145	33.2	16.0	47.9

