

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009558.D
 Acq On : 13 Jul 2022 15:00
 Operator : KP/MD
 Sample : N3687-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-346

Quant Time: Jul 14 02:44:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

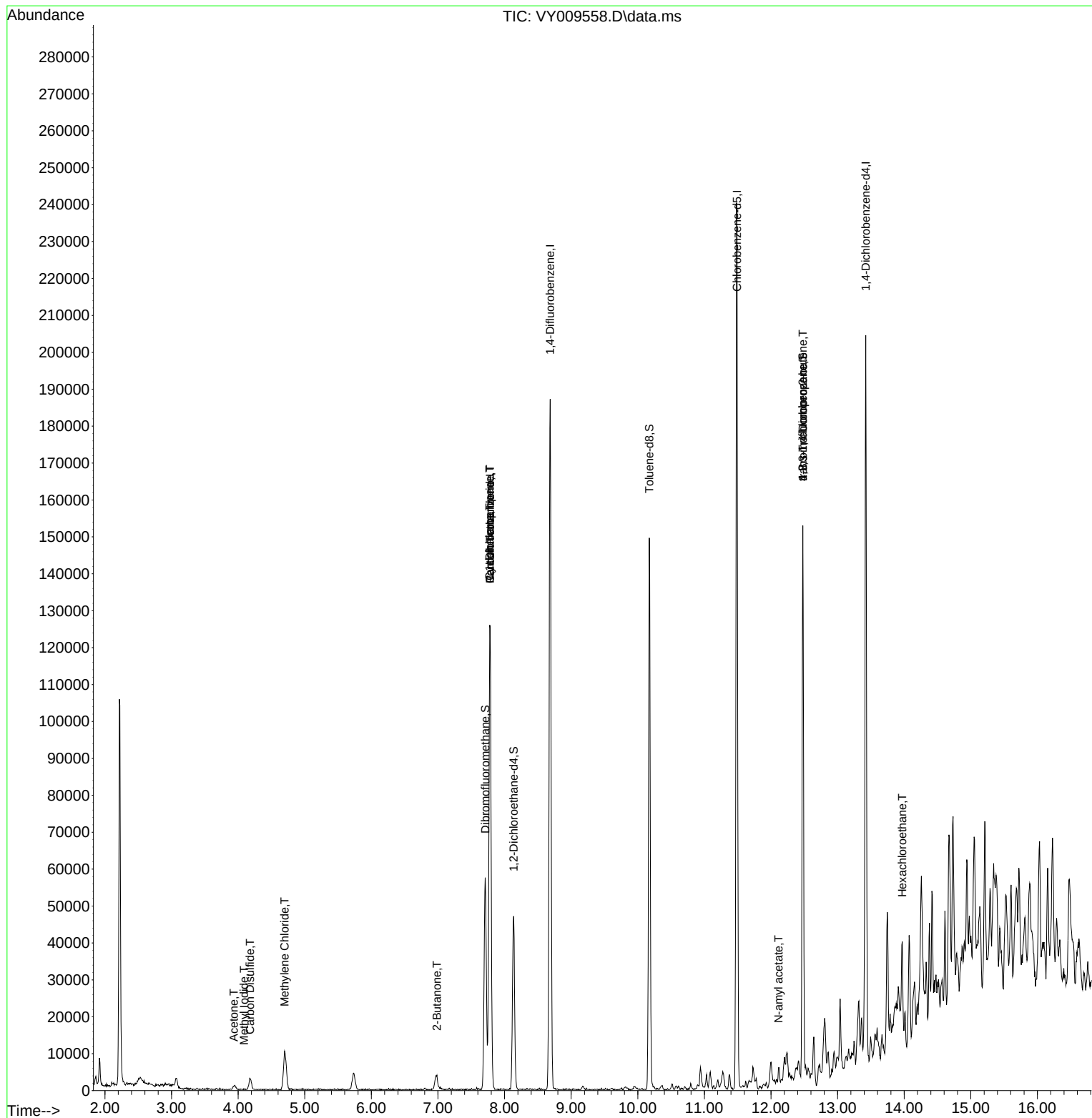
Internal Standards						
1) Pentafluorobenzene	7.783	168	102600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	161869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	131125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	48986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	36337	50.318	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.640%			
35) Dibromofluoromethane	7.710	113	39331	46.179	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.360%			
50) Toluene-d8	10.173	98	94404	38.570	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 77.140%#			
62) 4-Bromofluorobenzene	12.477	95	41966	34.906	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 69.820%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	28	4.183	ug/l #	35
11) Tert butyl alcohol	4.942	59	31	Below Cal	#	77
16) Acetone	3.936	43	2025	8.113	ug/l	97
17) Carbon Disulfide	4.180	76	6185	6.443	ug/l	96
20) Methylene Chloride	4.698	84	7366	1.664	ug/l	87
23) Vinyl Acetate	5.972	43	45	Below Cal	#	75
25) 2-Butanone	6.984	43	620	1.536	ug/l #	54
31) Cyclohexane	7.777	56	2138	1.270	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	7462	5.381	ug/l #	50
38) Carbon Tetrachloride	7.783	117	9218	6.216	ug/l #	16
74) N-amyl acetate	12.111	43	1506	1.580	ug/l #	86
76) 1,2,3-Trichloropropane	12.477	75	22616	43.614	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	22616	89.261	ug/l #	8
90) Hexachloroethane	13.971	117	950	1.583	ug/l #	6

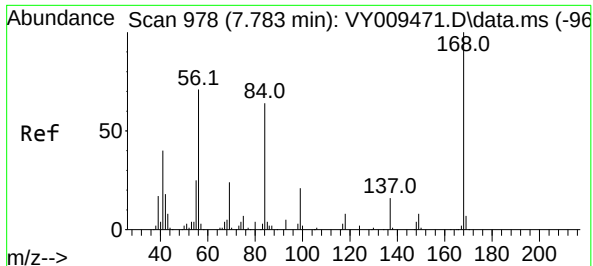
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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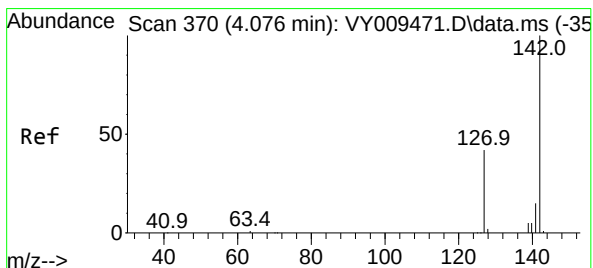
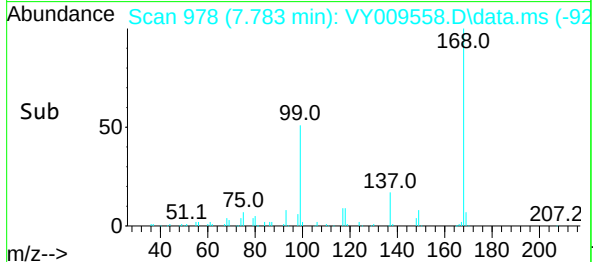
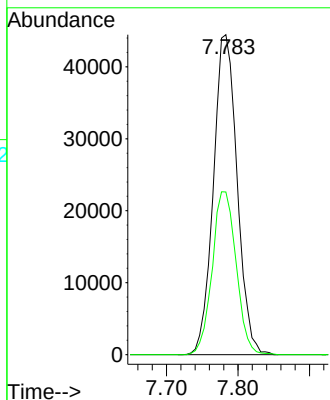
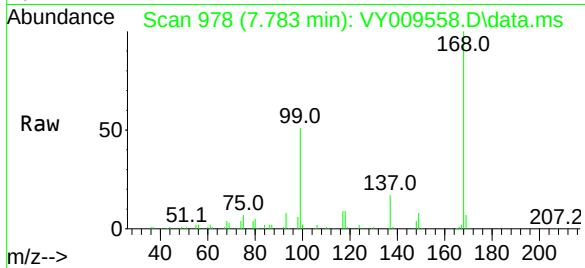




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

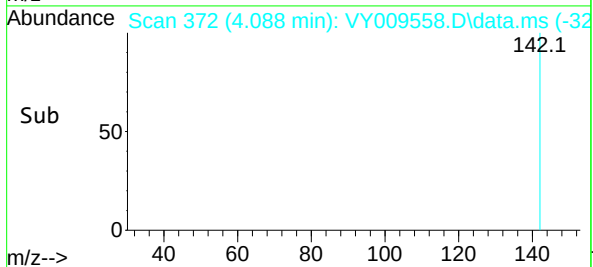
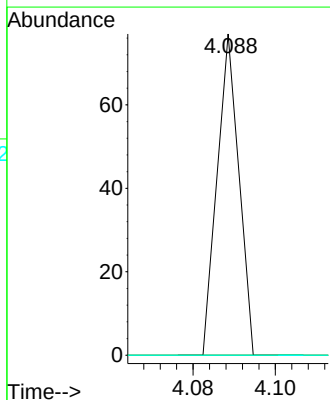
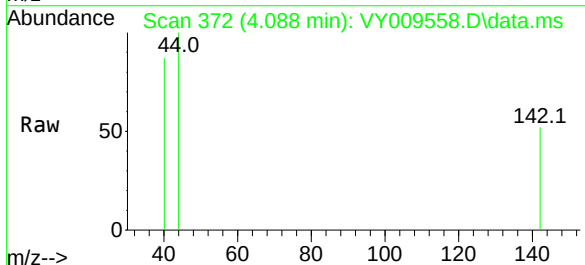
Instrument :
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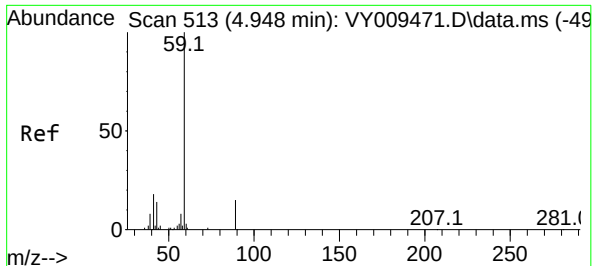
Tgt Ion:168 Resp: 102600
Ion Ratio Lower Upper
168 100
99 50.8 46.9 70.3



#10
Methyl Iodide
Concen: 4.183 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.013 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

Tgt Ion:142 Resp: 28
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: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY009558.D

Acq: 13 Jul 2022 15:00

Instrument :

MSVOA_Y

ClientSampleId :

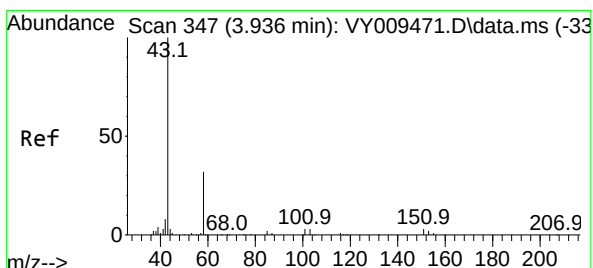
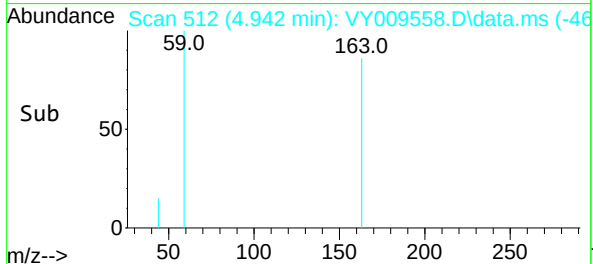
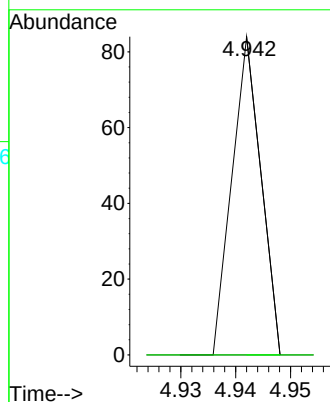
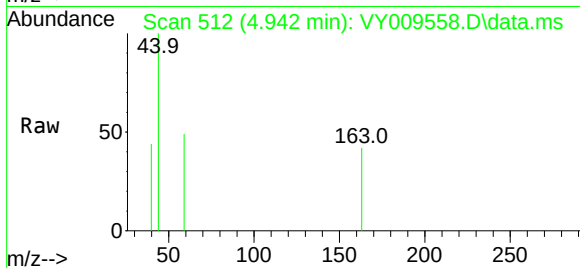
ETGI-346

Tgt Ion: 59 Resp: 31

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 8.113 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY009558.D

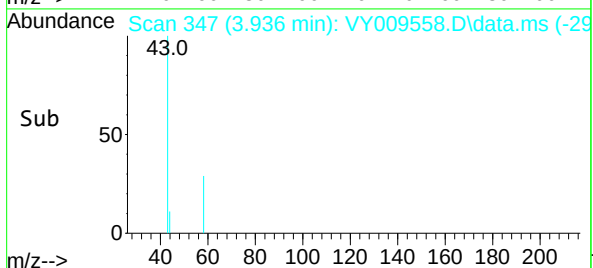
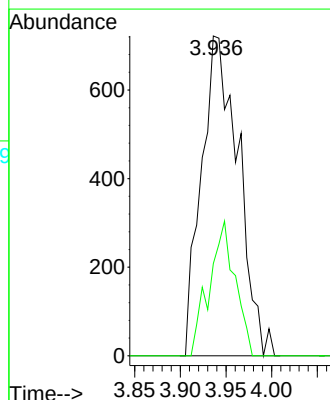
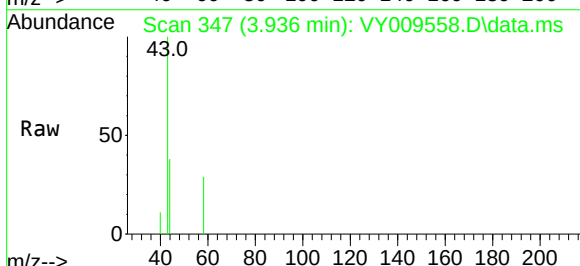
Acq: 13 Jul 2022 15:00

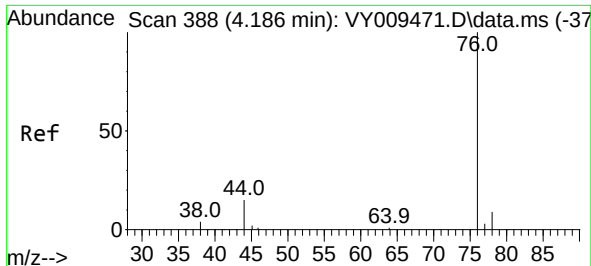
Tgt Ion: 43 Resp: 2025

Ion Ratio Lower Upper

43 100

58 28.8 22.0 33.0

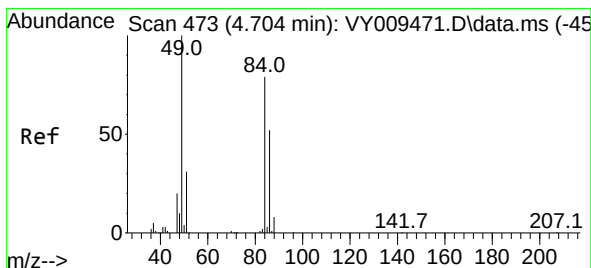
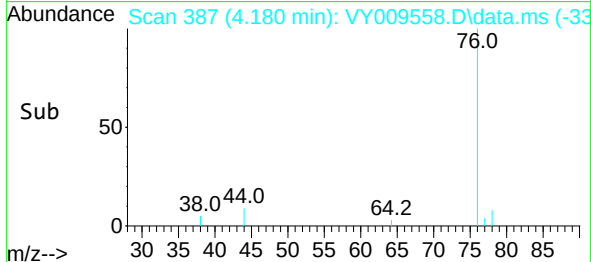
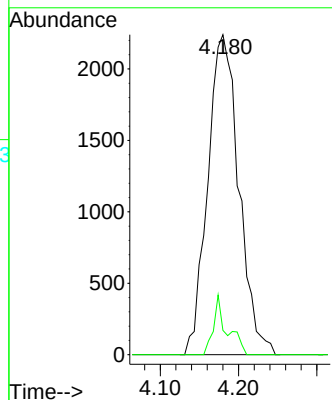
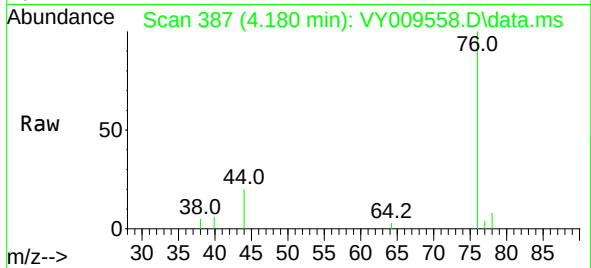




#17
Carbon Disulfide
Concen: 6.443 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

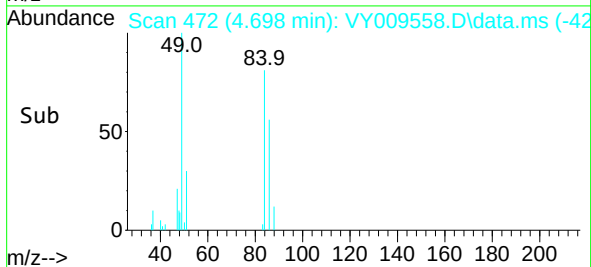
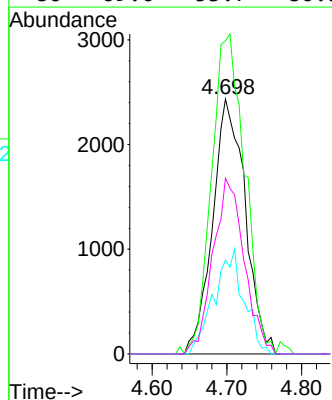
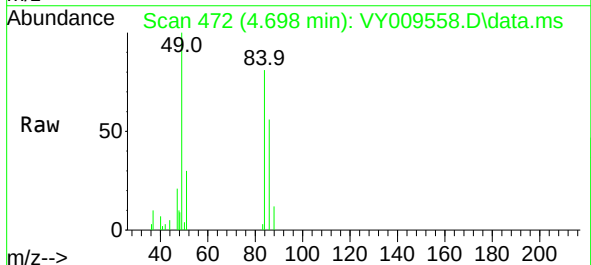
Instrument :
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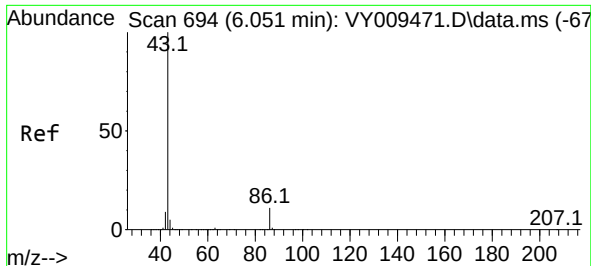
Tgt Ion: 76 Resp: 6185
Ion Ratio Lower Upper
76 100
78 7.6 7.4 11.0



#20
Methylene Chloride
Concen: 1.664 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

Tgt Ion: 84 Resp: 7366
Ion Ratio Lower Upper
84 100
49 120.1 114.4 171.6
51 36.8 35.3 52.9
86 69.0 53.7 80.5

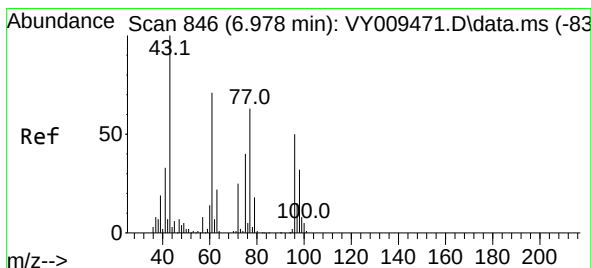
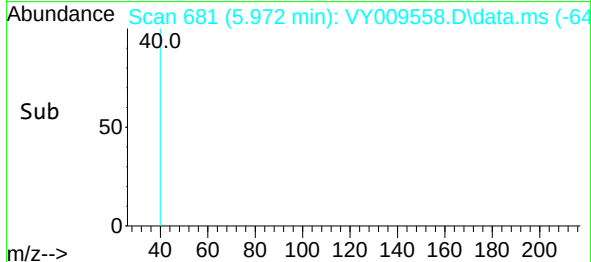
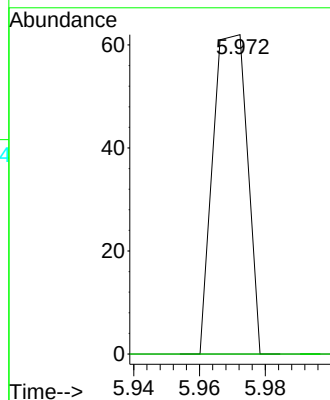
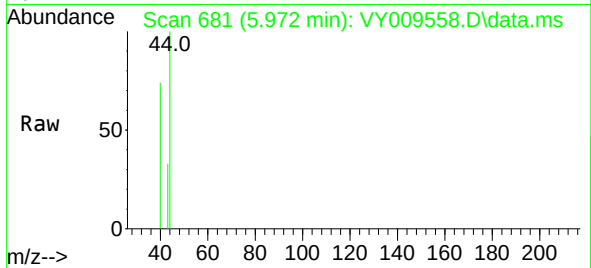




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 5.972 min Scan# 61
 Delta R.T. -0.079 min
 Lab File: VY009558.D
 Acq: 13 Jul 2022 15:00

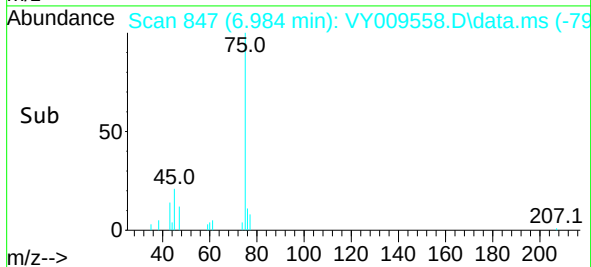
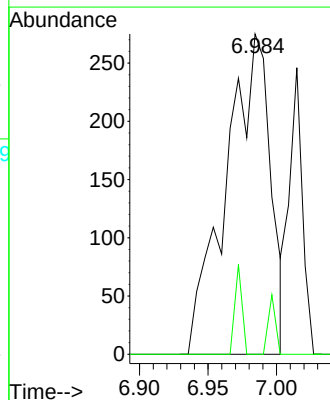
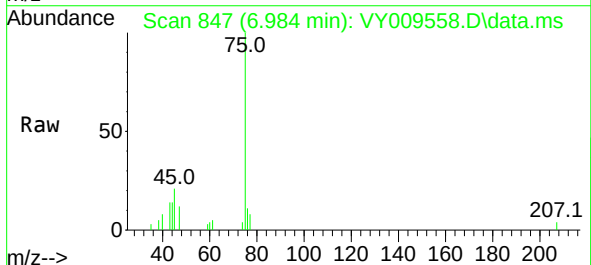
Instrument :
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 ClientSampleId :
 ETGI-346

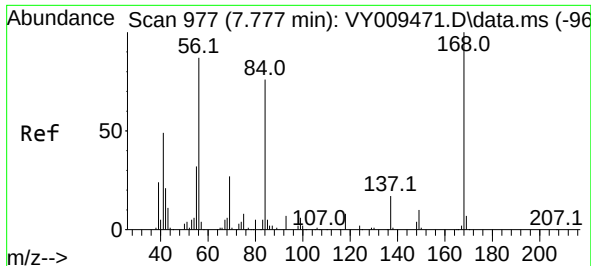
Tgt Ion: 43 Resp: 45
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 1.536 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY009558.D
 Acq: 13 Jul 2022 15:00

Tgt Ion: 43 Resp: 620
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.7 26.5#

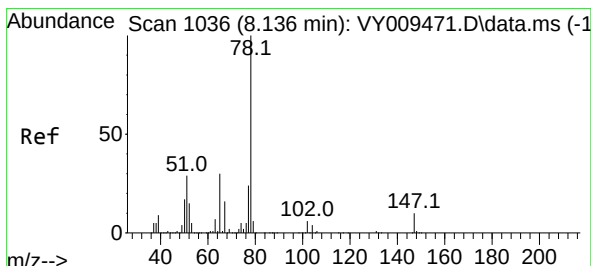
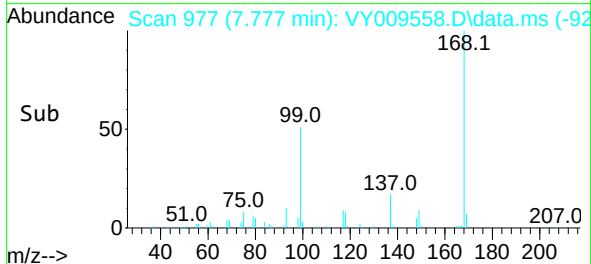
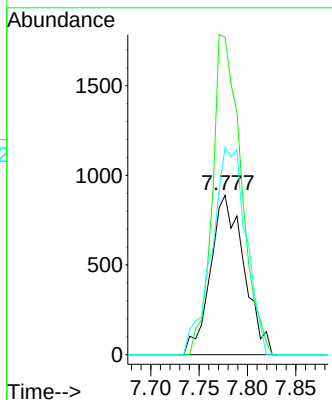
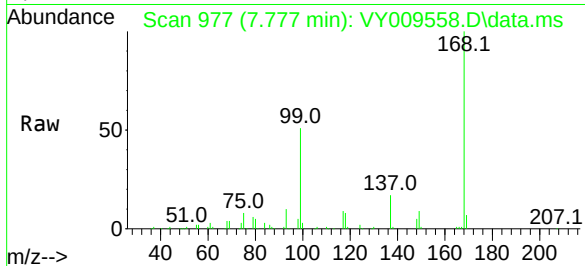




#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

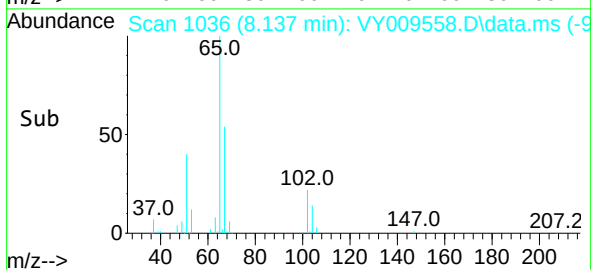
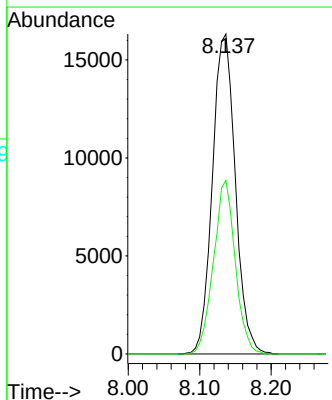
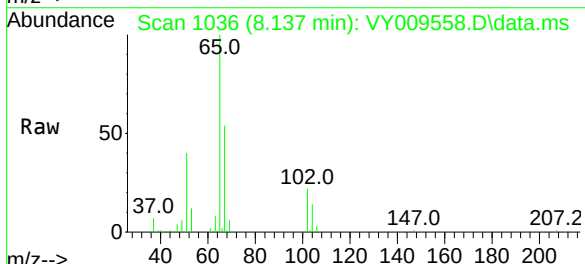
Instrument :
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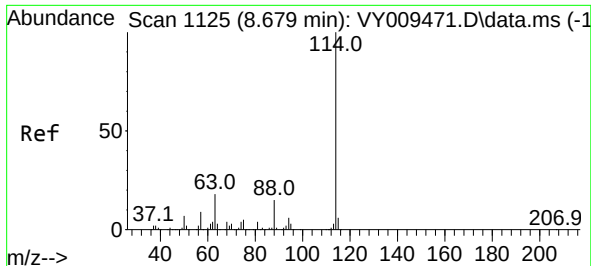
Tgt Ion: 56 Resp: 2138
Ion Ratio Lower Upper
56 100
69 199.2 26.7 40.1#
84 130.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 50.318 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

Tgt Ion: 65 Resp: 36337
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.4

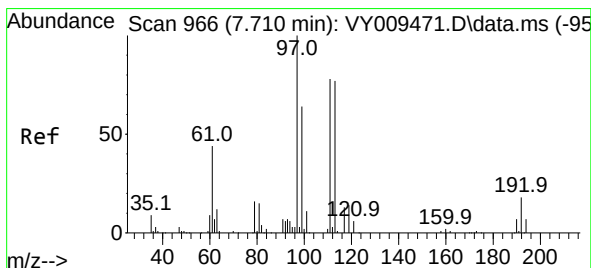
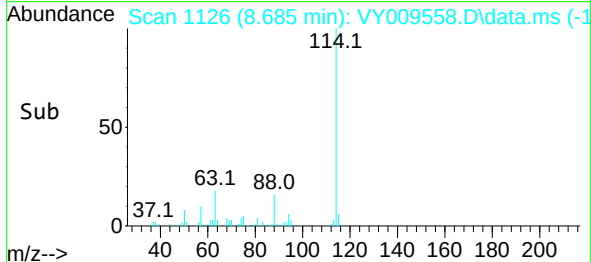
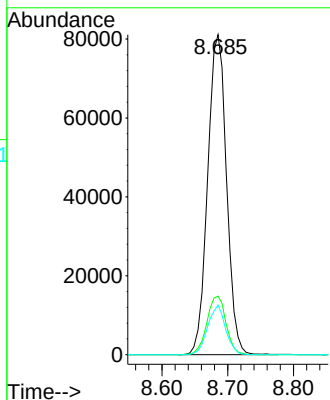
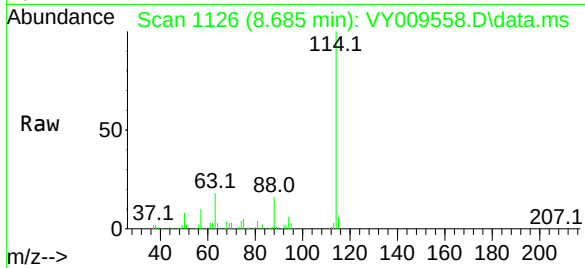




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

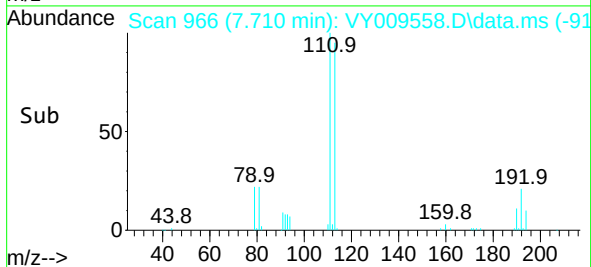
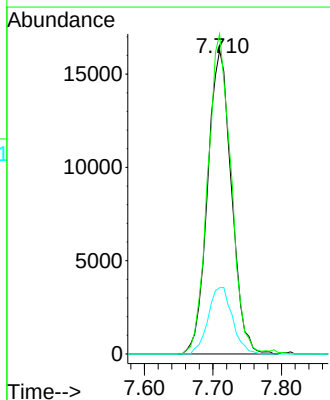
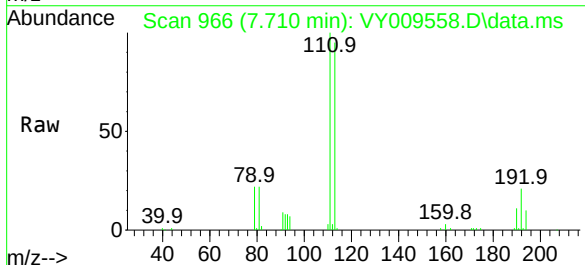
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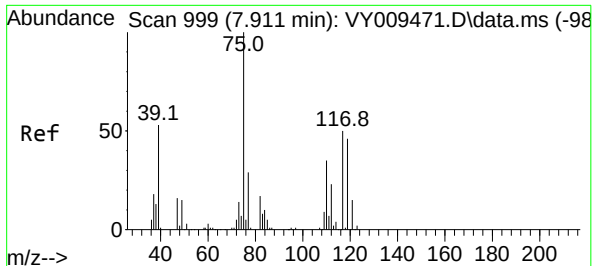
Tgt Ion:114 Resp: 161869
Ion Ratio Lower Upper
114 100
63 18.3 0.0 43.2
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.179 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

Tgt Ion:113 Resp: 39331
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 22.2 17.6 26.4

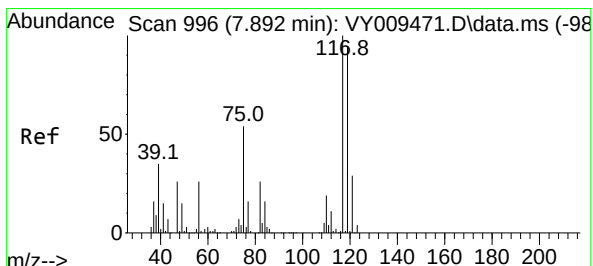
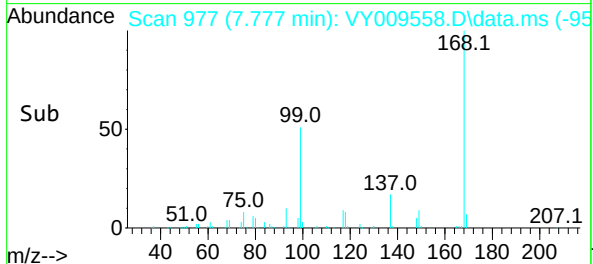
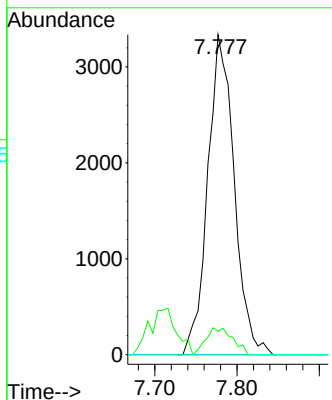
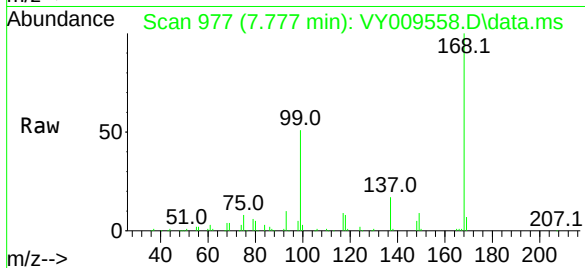




#36
1,1-Dichloropropene
Concen: 5.381 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

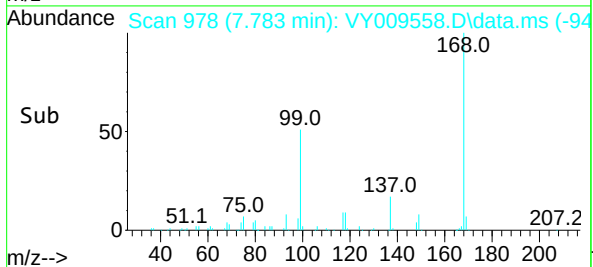
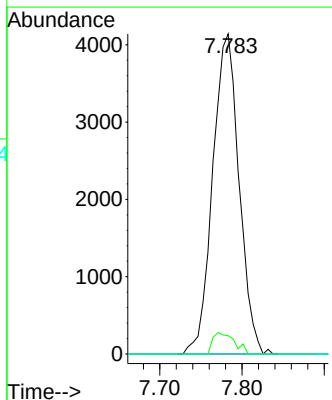
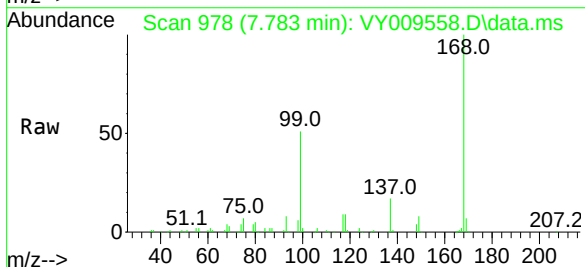
Instrument :
MSVOA_Y
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ETGI-346

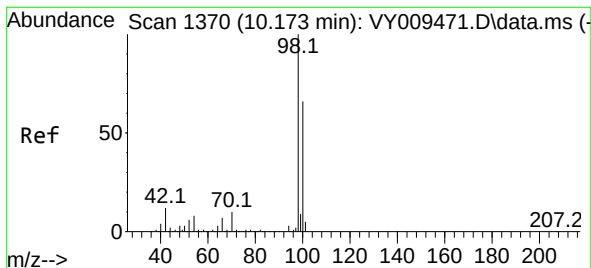
Tgt Ion: 75 Resp: 7462
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.216 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

Tgt Ion: 117 Resp: 9218
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#

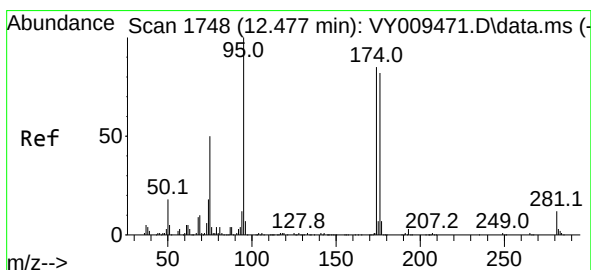
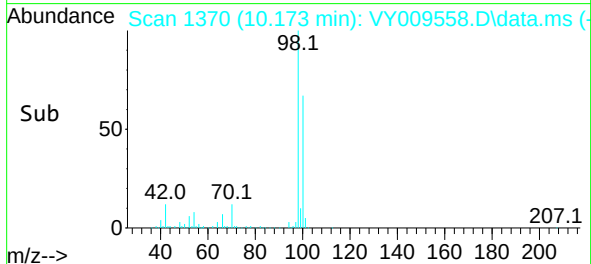
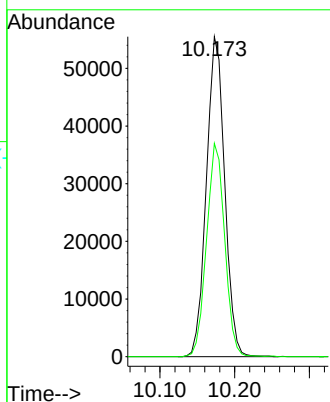
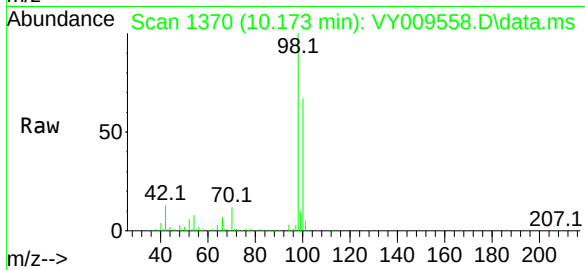




#50
Toluene-d8
Concen: 38.570 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

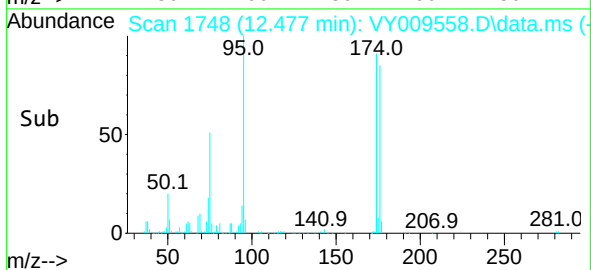
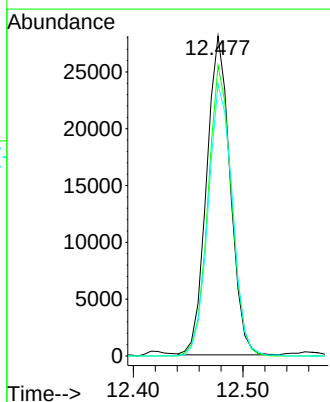
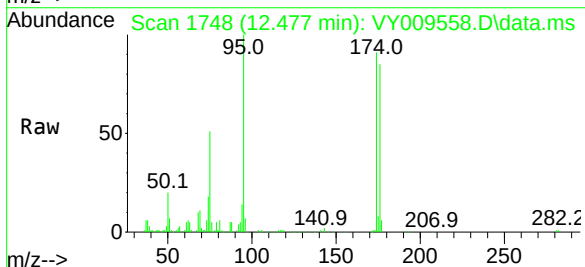
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

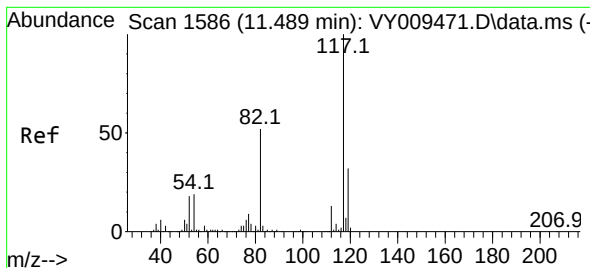
Tgt Ion: 98 Resp: 94404
Ion Ratio Lower Upper
98 100
100 66.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 34.906 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

Tgt Ion: 95 Resp: 41966
Ion Ratio Lower Upper
95 100
174 90.9 0.0 177.0
176 87.7 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY009558.D

Acq: 13 Jul 2022 15:00

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-346

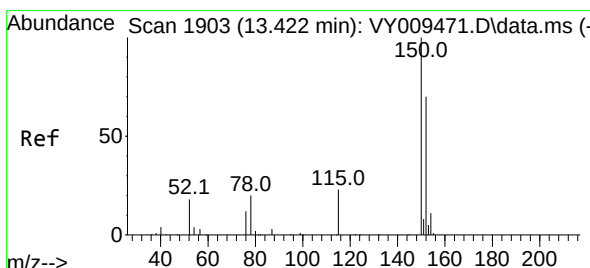
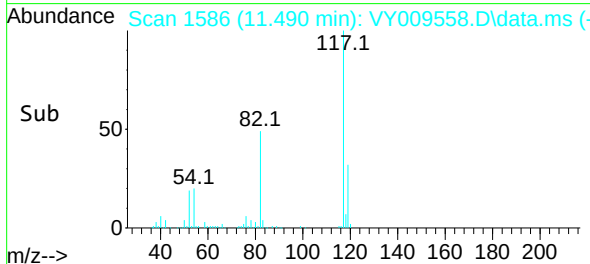
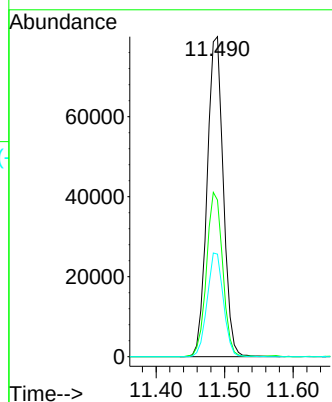
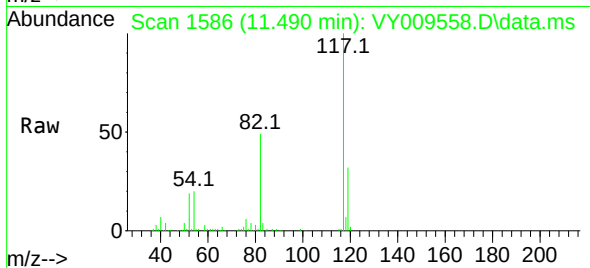
Tgt Ion:117 Resp: 131125

Ion Ratio Lower Upper

117 100

82 49.0 43.0 64.4

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009558.D

Acq: 13 Jul 2022 15:00

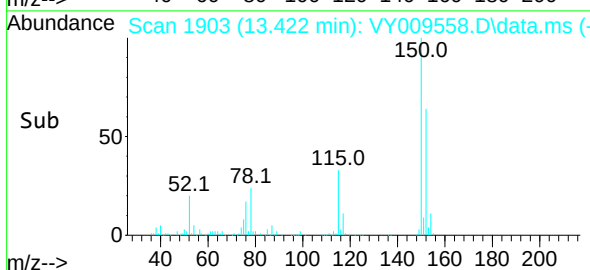
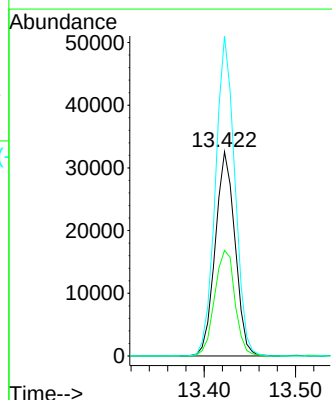
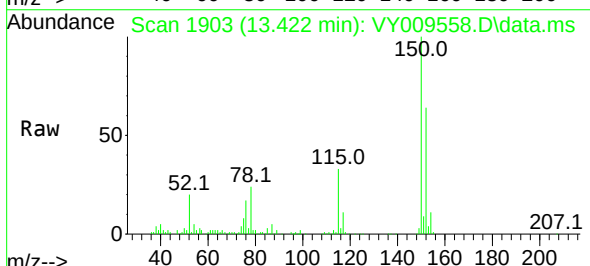
Tgt Ion:152 Resp: 48986

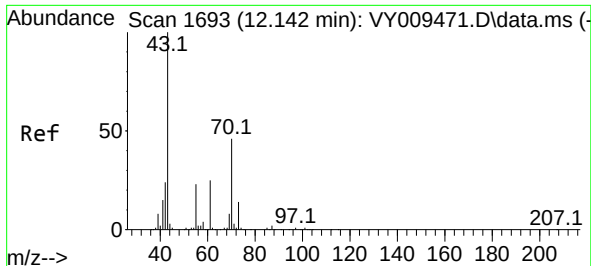
Ion Ratio Lower Upper

152 100

115 53.0 28.2 84.7

150 153.5 0.0 347.6

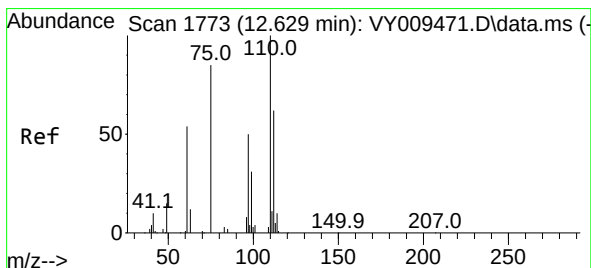
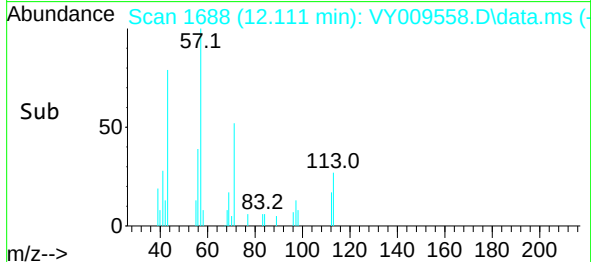
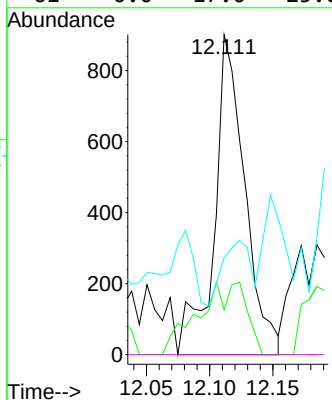
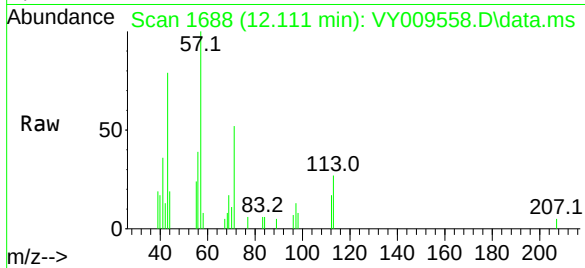




#74
N-amy1 acetate
Concen: 1.580 ug/l
RT: 12.111 min Scan# 1
Delta R.T. -0.031 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

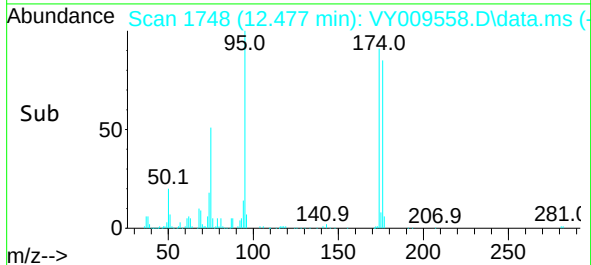
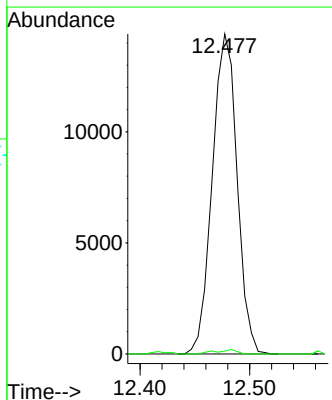
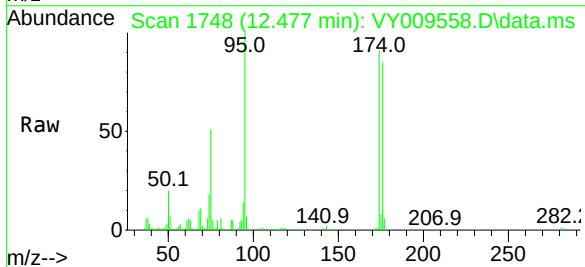
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

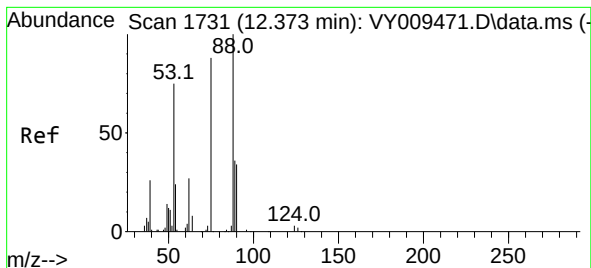
Tgt Ion: 43	Resp: 1506
Ion Ratio	Lower Upper
43	100
70	35.7 28.7 43.1
55	18.5 17.3 25.9
61	0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 43.614 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

Tgt Ion: 75	Resp: 22616
Ion Ratio	Lower Upper
75	100
77	1.1 0.0 0.0#

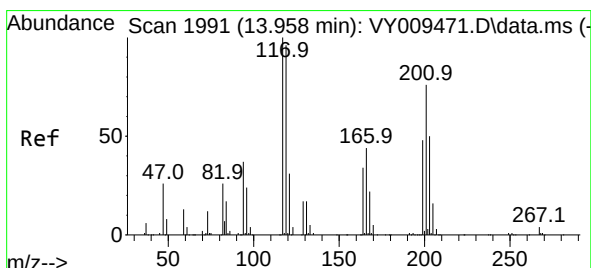
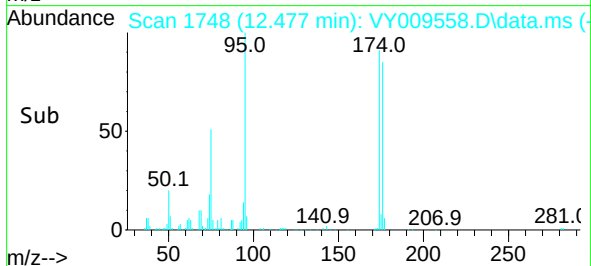
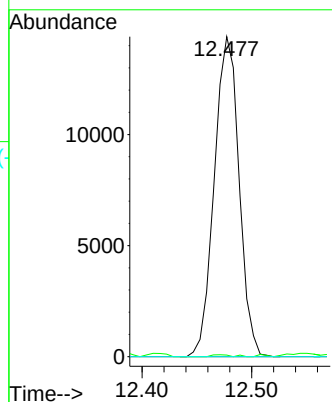
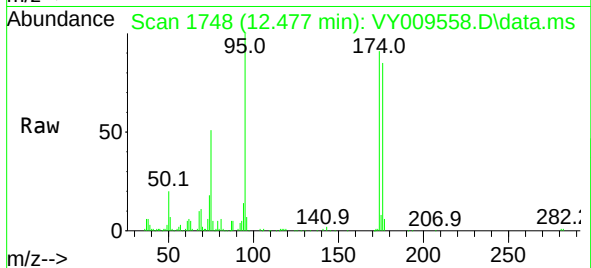




#81
trans-1,4-Dichloro-2-butene
Concen: 89.261 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

Tgt Ion: 75 Resp: 22616
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 0.0 37.0 55.4#



#90
Hexachloroethane
Concen: 1.583 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.013 min
Lab File: VY009558.D
Acq: 13 Jul 2022 15:00

Tgt Ion: 117 Resp: 950
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

