

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008528.D
 Acq On : 27 Apr 2022 15:34
 Operator : KP/MD
 Sample : N2577-04
 Misc : 7.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

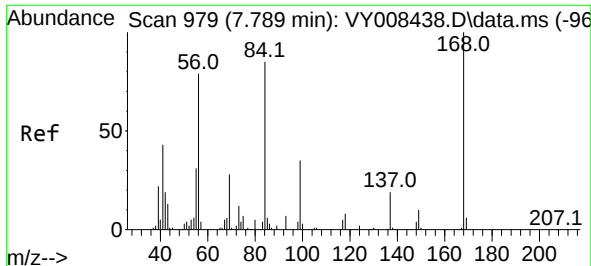
Instrument :
 MSVOA_Y
 ClientSampleId :
 GT-06-(25-30)

Quant Time: Apr 28 01:33:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	147572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	262524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	264817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	74234	42.752	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.500%
35) Dibromofluoromethane	7.722	113	83093	49.043	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.080%
50) Toluene-d8	10.179	98	315067	46.808	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.620%
62) 4-Bromofluorobenzene	12.483	95	121287	53.163	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.320%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	56	1.716	ug/l #	35
11) Tert butyl alcohol	4.942	59	221	Below Cal	#	77
13) Acrolein	3.735	56	436	2.358	ug/l	85
16) Acetone	3.954	43	10294	25.453	ug/l	95
17) Carbon Disulfide	4.198	76	10733	2.225	ug/l #	94
20) Methylene Chloride	4.710	84	9291	Below Cal	#	67
25) 2-Butanone	6.984	43	3040	4.859	ug/l #	78
36) 1,1-Dichloropropene	7.789	75	10201	3.785	ug/l #	52
38) Carbon Tetrachloride	7.789	117	14182	5.065	ug/l #	15
59) 2-Hexanone	10.801	43	4528	4.563	ug/l #	35
74) N-amyl acetate	12.123	43	8437	3.353	ug/l #	60
76) 1,2,3-Trichloropropane	12.483	75	61582	35.431	ug/l #	100
77) Bromobenzene	12.422	156	46789	18.841	ug/l #	1
78) n-propylbenzene	12.672	91	18031	1.476	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	61582	82.196	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.117	105	11115	1.325	ug/l #	54
85) sec-Butylbenzene	13.257	105	18422	1.664	ug/l #	70
89) n-Butylbenzene	13.696	91	9413	1.118	ug/l #	85
90) Hexachloroethane	13.977	117	5706	3.422	ug/l #	6

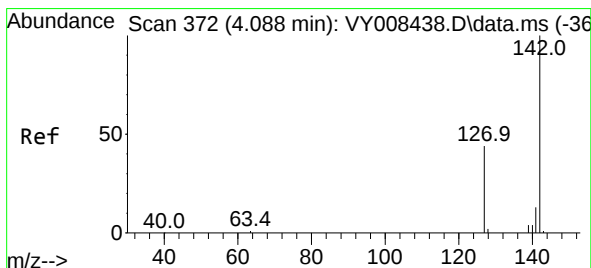
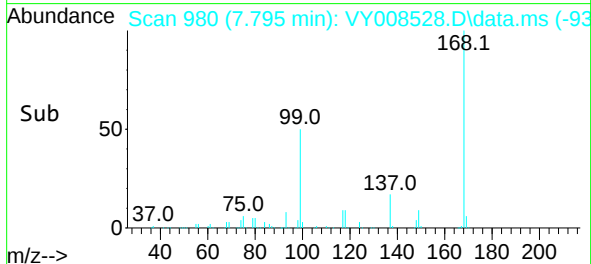
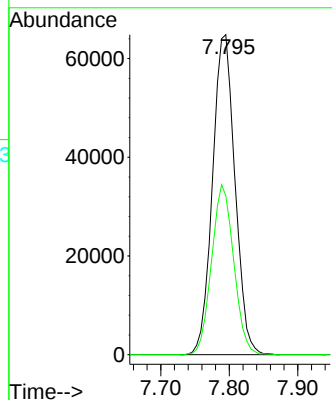
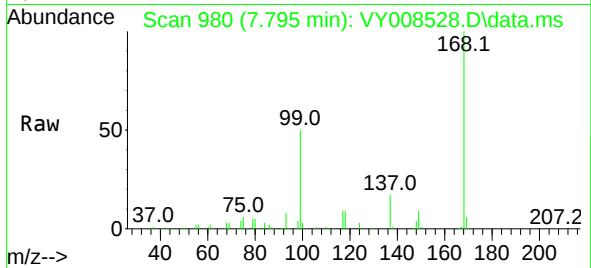
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

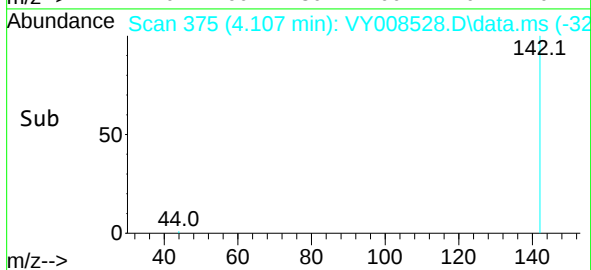
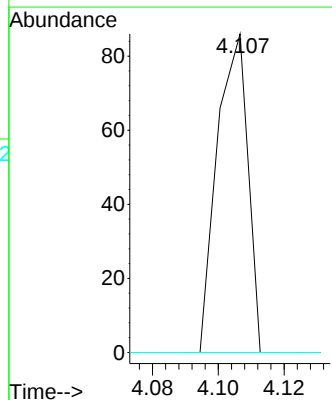
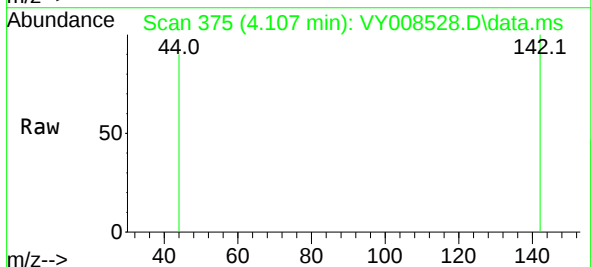
Instrument :
MSVOA_Y
ClientSampleId :
GT-06-(25-30)

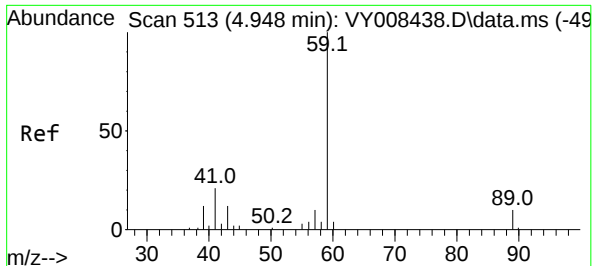
Tgt Ion:168 Resp: 147572
Ion Ratio Lower Upper
168 100
99 49.7 46.9 70.3



#10
Methyl Iodide
Concen: 1.716 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

Tgt Ion:142 Resp: 56
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: VY008528.D

Acq: 27 Apr 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

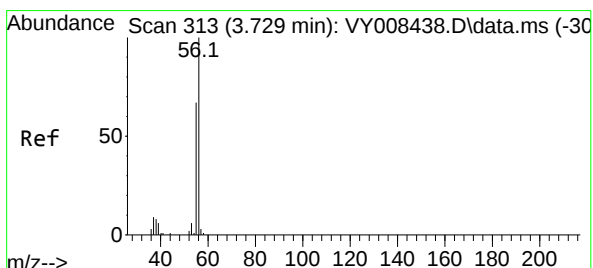
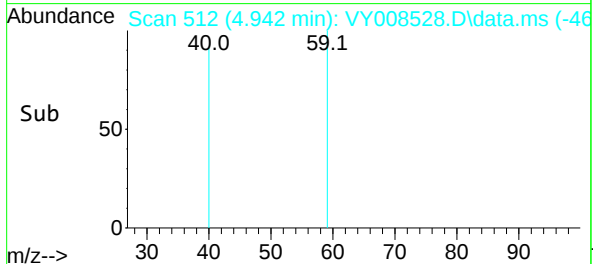
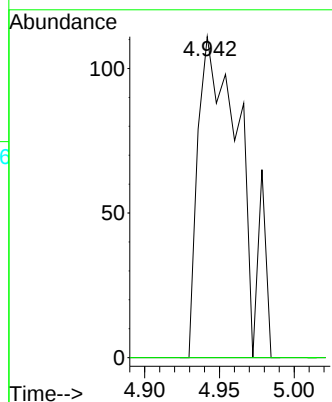
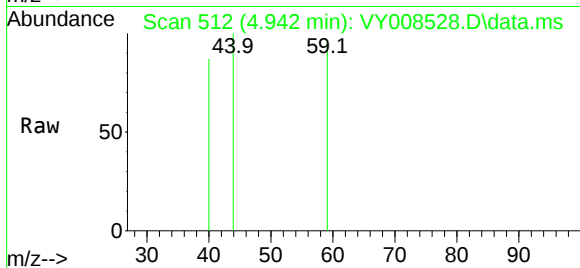
GT-06-(25-30)

Tgt Ion: 59 Resp: 221

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 2.358 ug/l

RT: 3.735 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY008528.D

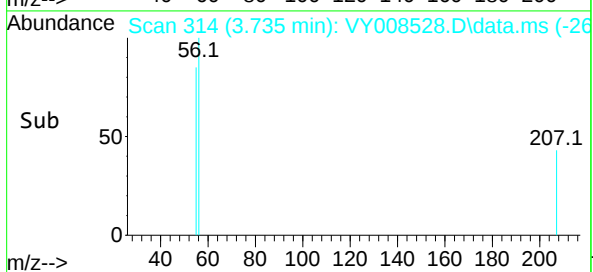
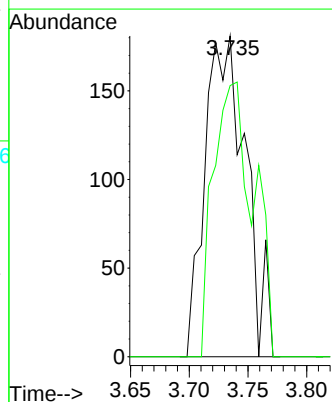
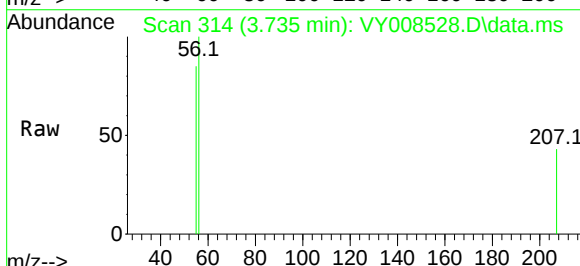
Acq: 27 Apr 2022 15:34

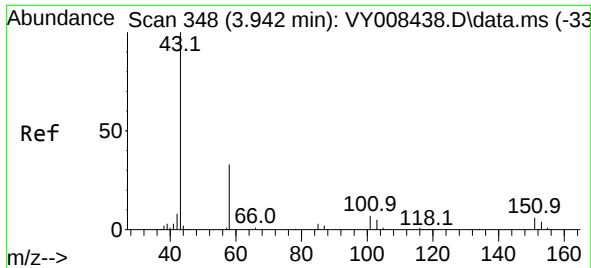
Tgt Ion: 56 Resp: 436

Ion Ratio Lower Upper

56 100

55 84.6 57.6 86.4

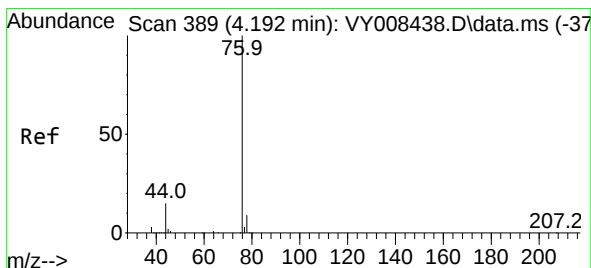
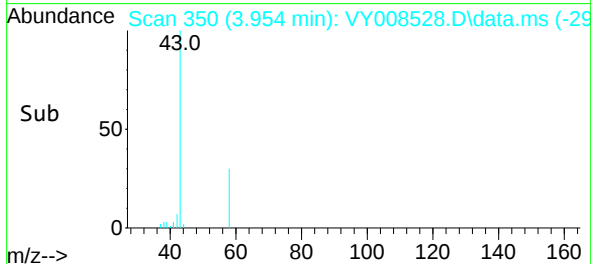
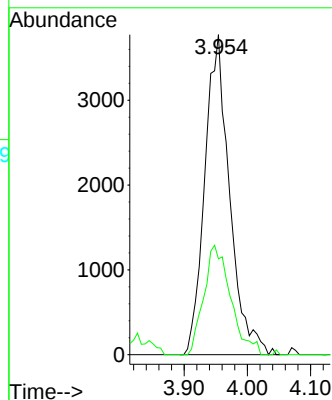
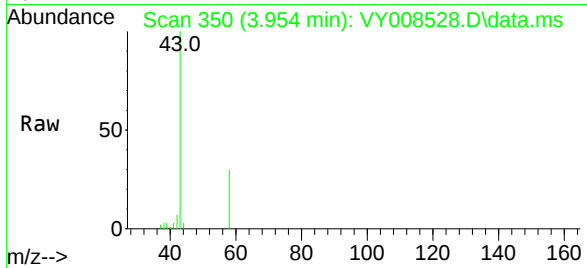




#16
Acetone
Concen: 25.453 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

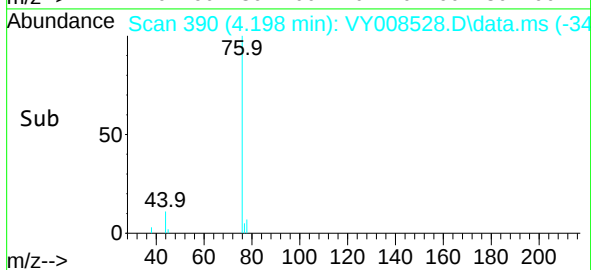
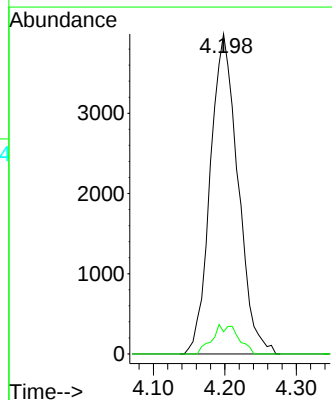
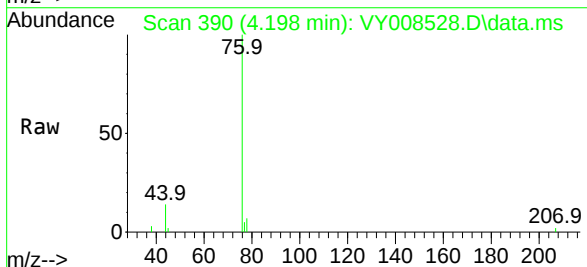
Instrument :
MSVOA_Y
ClientSampleId :
GT-06-(25-30)

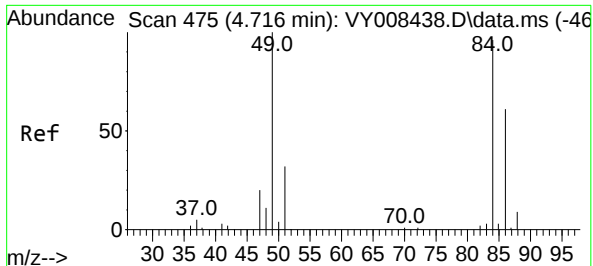
Tgt Ion: 43 Resp: 10294
Ion Ratio Lower Upper
43 100
58 29.9 22.0 33.0



#17
Carbon Disulfide
Concen: 2.225 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

Tgt Ion: 76 Resp: 10733
Ion Ratio Lower Upper
76 100
78 6.9 7.4 11.0#

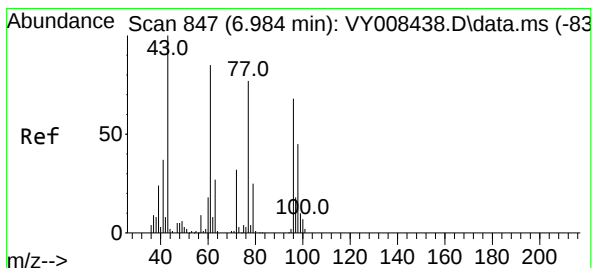
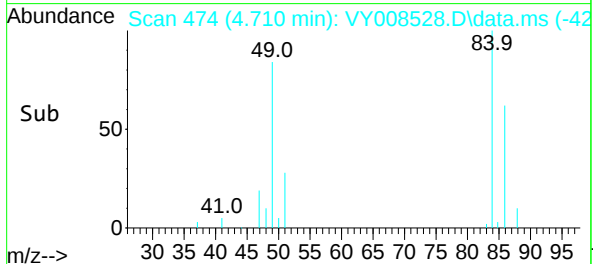
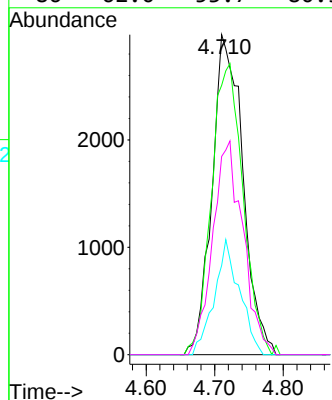
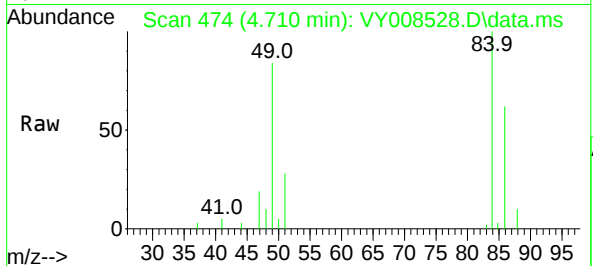




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

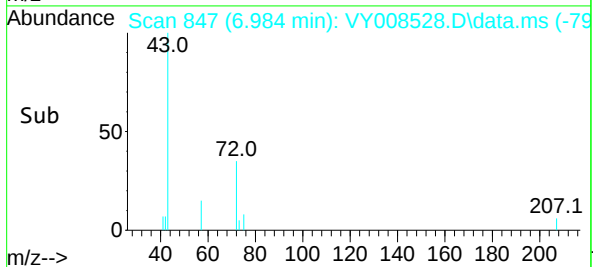
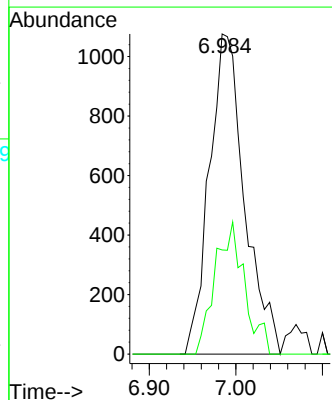
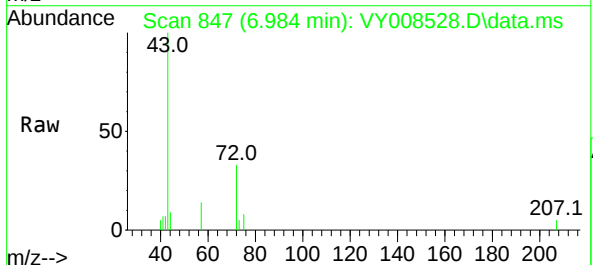
Instrument :
MSVOA_Y
ClientSampleId :
GT-06-(25-30)

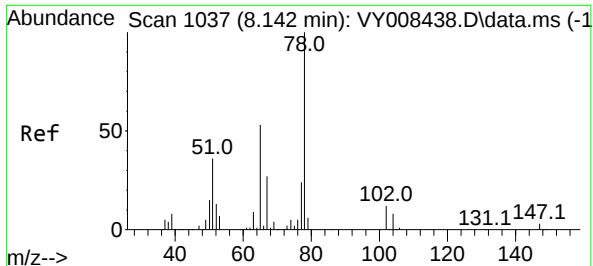
Tgt Ion: 84 Resp: 9291
Ion Ratio Lower Upper
84 100
49 84.2 114.4 171.6#
51 27.9 35.3 52.9#
86 62.0 53.7 80.5



#25
2-Butanone
Concen: 4.859 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

Tgt Ion: 43 Resp: 3040
Ion Ratio Lower Upper
43 100
72 32.5 17.7 26.5#





#33

1,2-Dichloroethane-d4

Concen: 42.752 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008528.D

Acq: 27 Apr 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

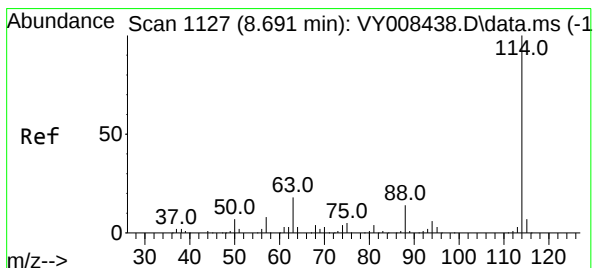
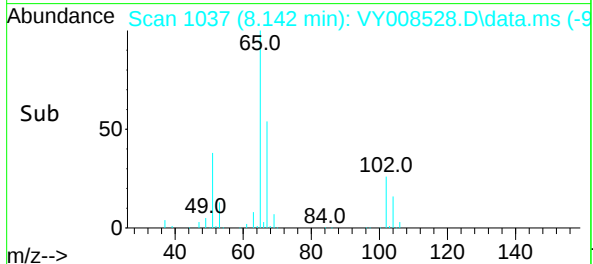
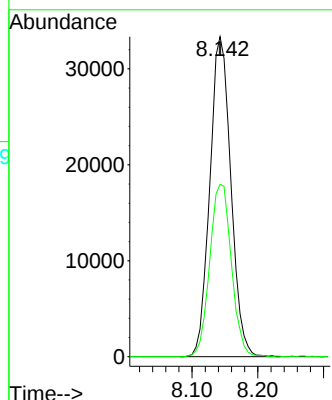
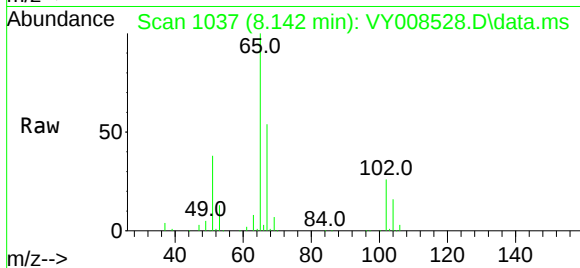
GT-06-(25-30)

Tgt Ion: 65 Resp: 74234

Ion Ratio Lower Upper

65 100

67 55.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008528.D

Acq: 27 Apr 2022 15:34

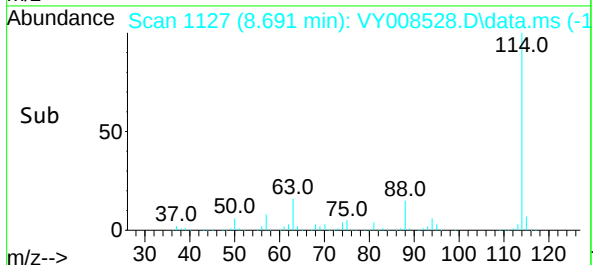
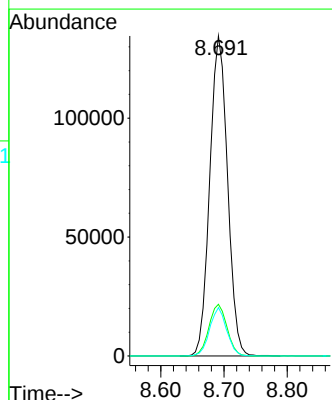
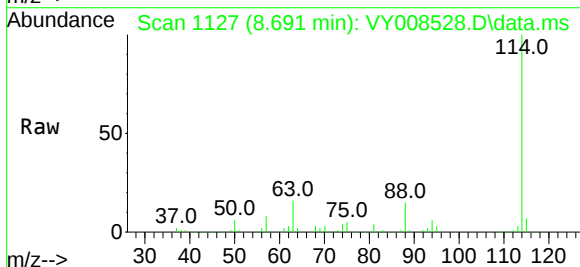
Tgt Ion: 114 Resp: 262524

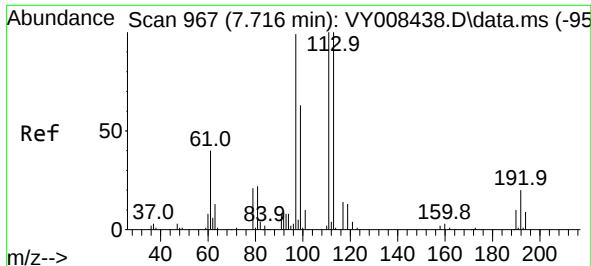
Ion Ratio Lower Upper

114 100

63 16.2 0.0 43.2

88 15.1 0.0 31.8

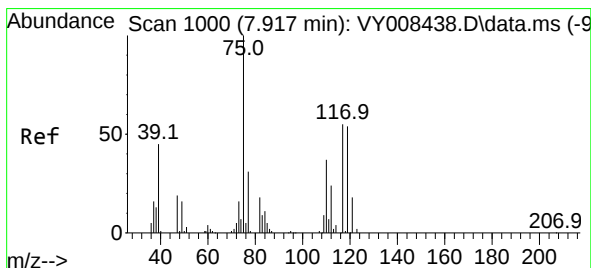
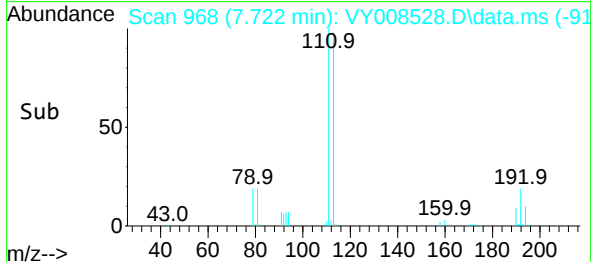
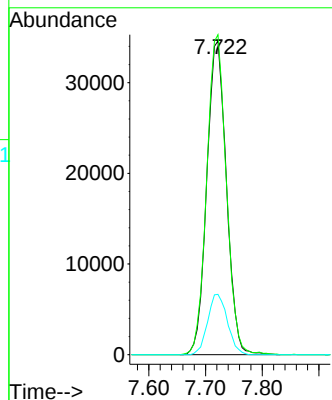
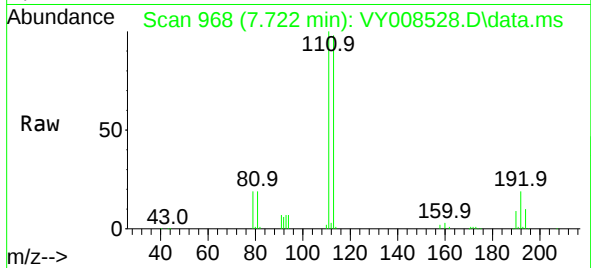




#35
Dibromofluoromethane
Concen: 49.043 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

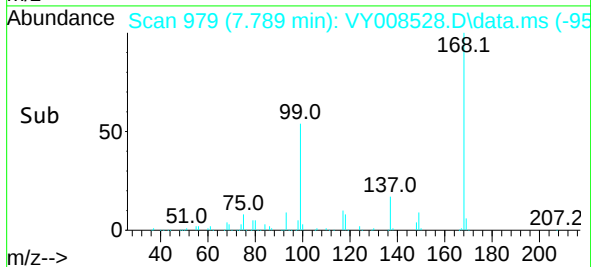
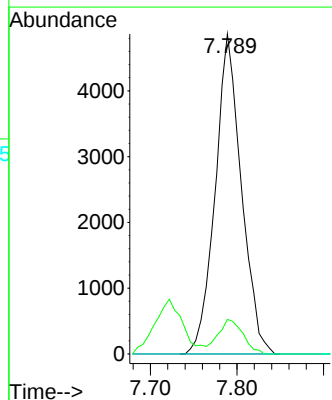
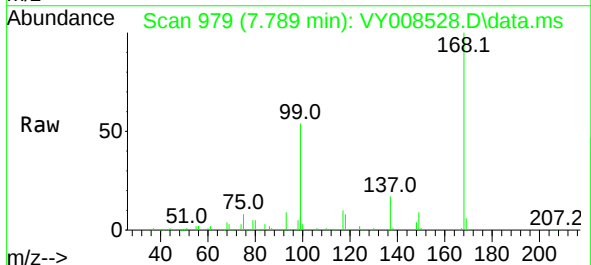
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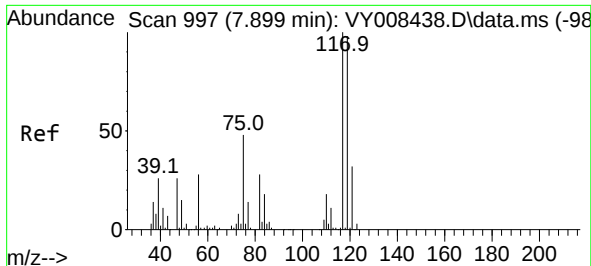
Tgt Ion:113 Resp: 83093
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 3.785 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

Tgt Ion: 75 Resp: 10201
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#

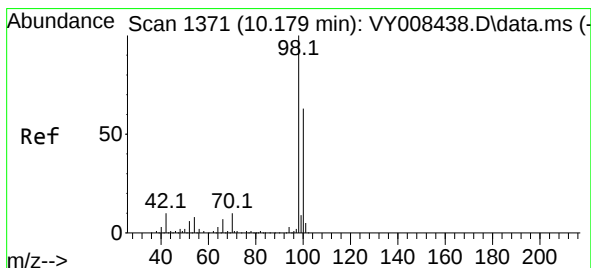
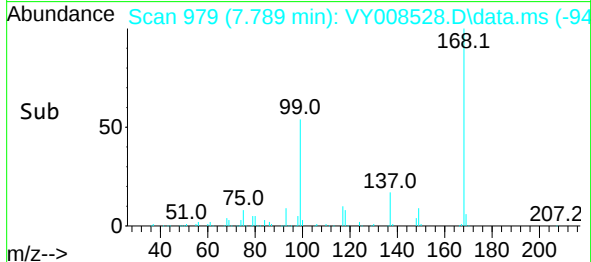
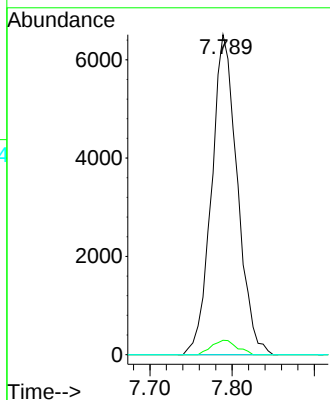
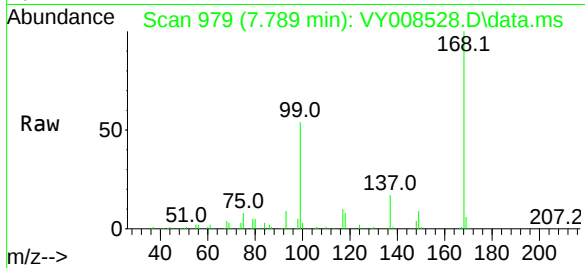




#38
Carbon Tetrachloride
Concen: 5.065 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

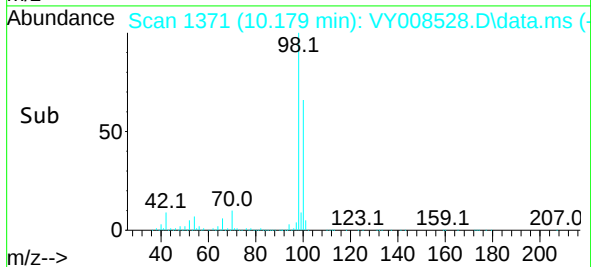
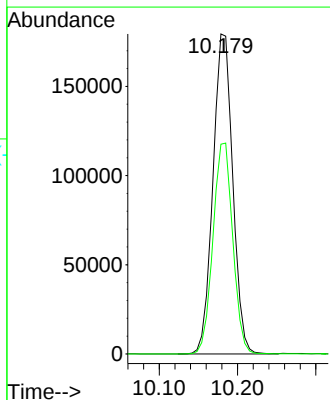
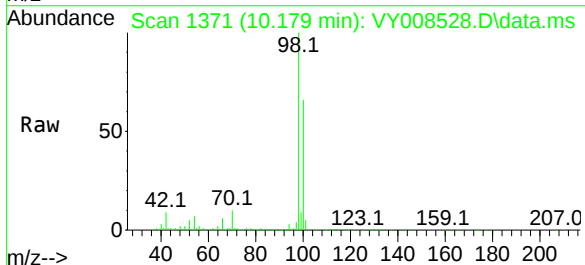
Instrument :
MSVOA_Y
ClientSampleId :
GT-06-(25-30)

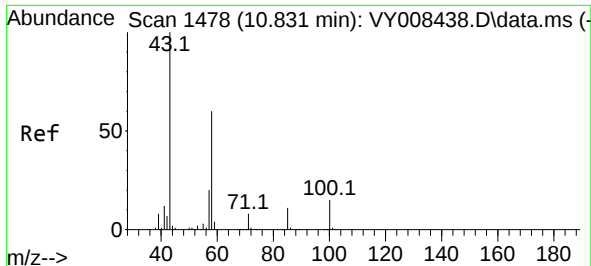
Tgt Ion:117 Resp: 14182
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.808 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

Tgt Ion: 98 Resp: 315067
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2

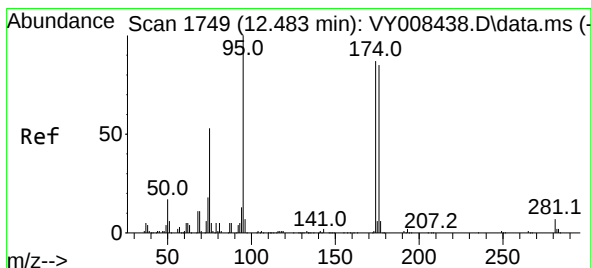
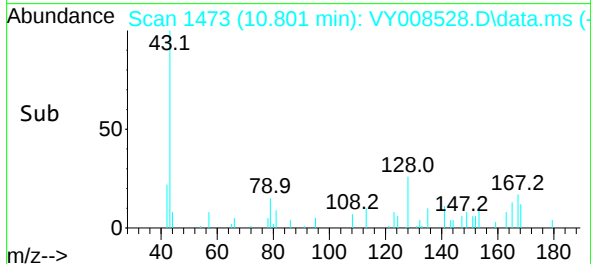
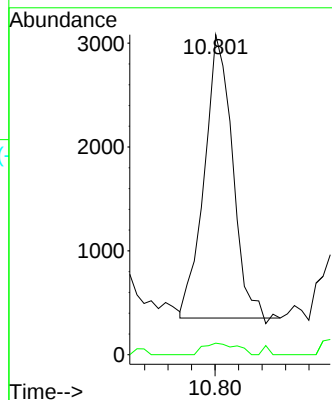
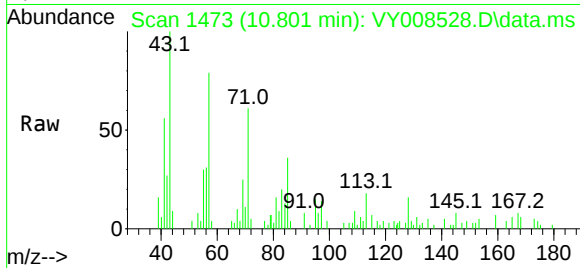




#59
2-Hexanone
Concen: 4.563 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

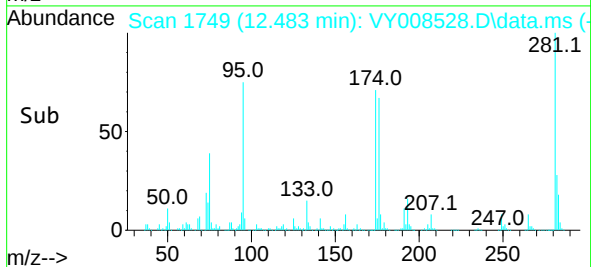
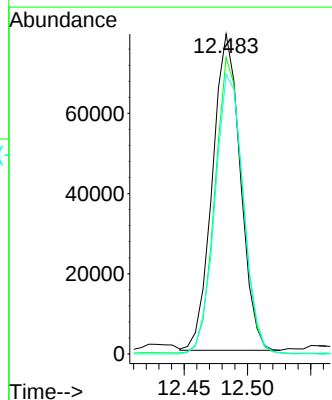
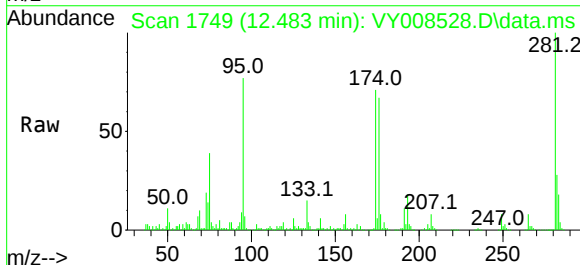
Instrument :
MSVOA_Y
ClientSampleId :
GT-06-(25-30)

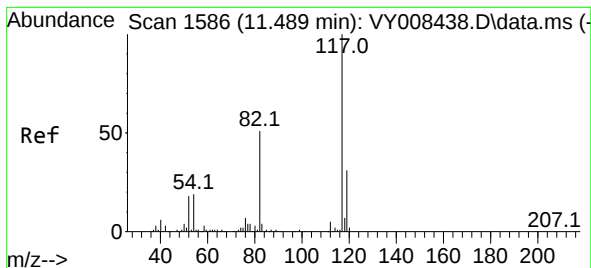
Tgt Ion: 43 Resp: 4528
Ion Ratio Lower Upper
43 100
58 4.9 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 53.163 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

Tgt Ion: 95 Resp: 121287
Ion Ratio Lower Upper
95 100
174 92.0 0.0 177.0
176 90.1 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY008528.D

Acq: 27 Apr 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

GT-06-(25-30)

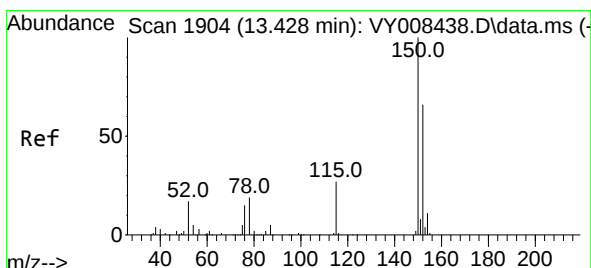
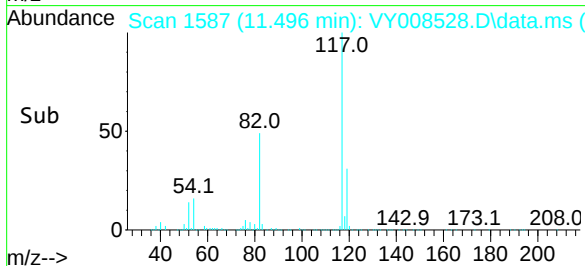
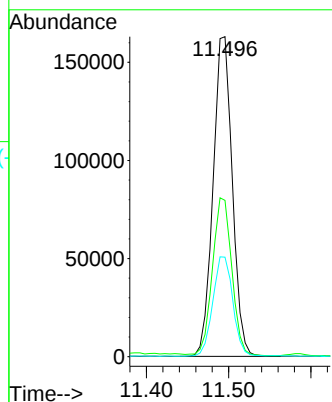
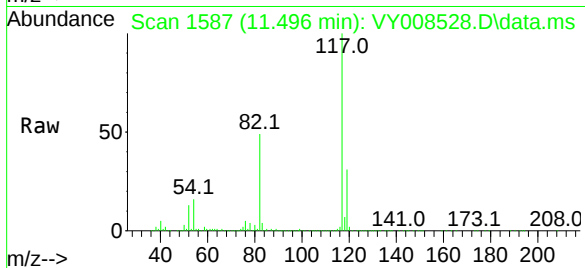
Tgt Ion:117 Resp: 264817

Ion Ratio Lower Upper

117 100

82 48.6 43.0 64.4

119 31.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008528.D

Acq: 27 Apr 2022 15:34

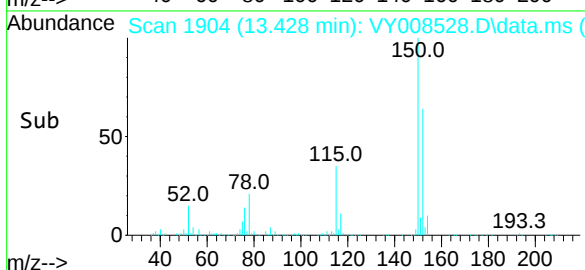
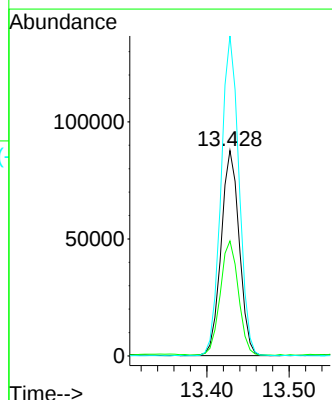
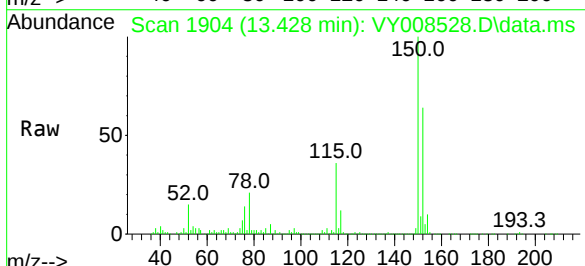
Tgt Ion:152 Resp: 134302

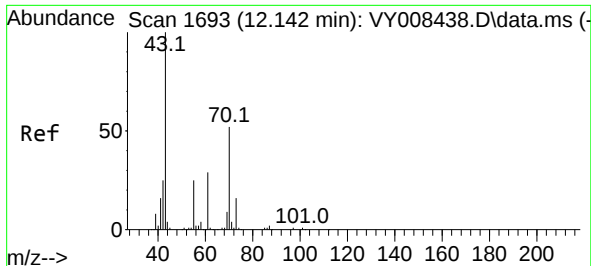
Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.7

150 154.2 0.0 347.6

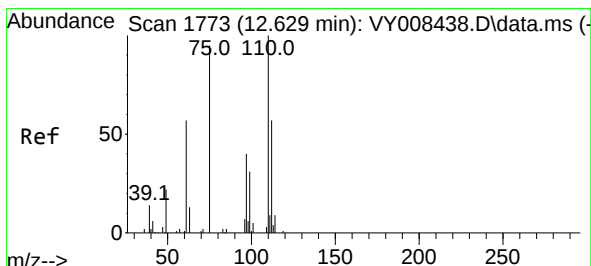
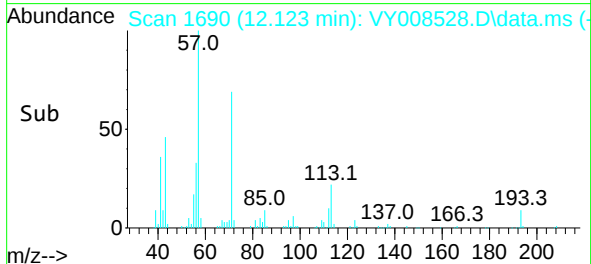
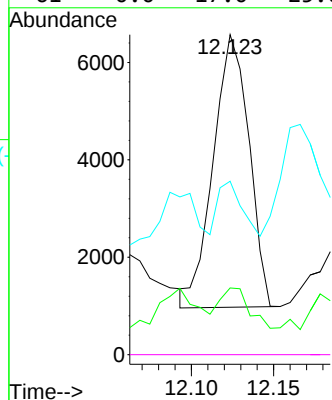
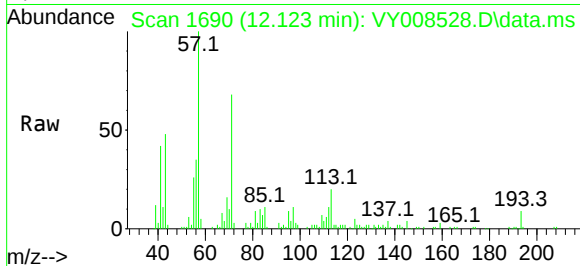




#74
N-amy1 acetate
Concen: 3.353 ug/l
RT: 12.123 min Scan# 1
Delta R.T. -0.019 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

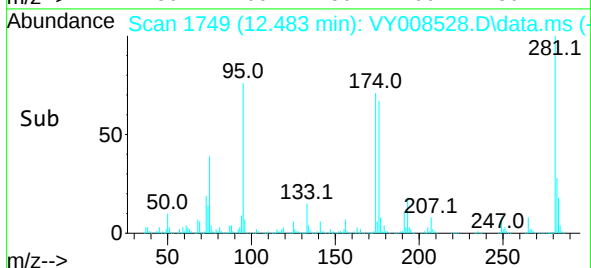
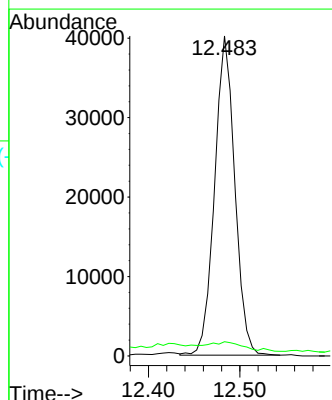
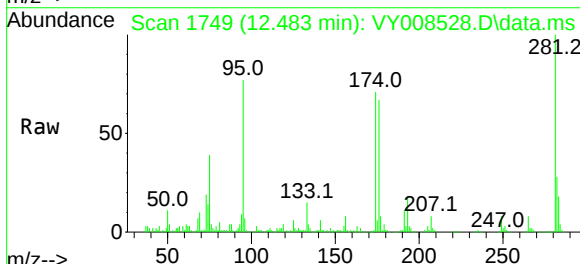
Instrument :
MSVOA_Y
ClientSampleId :
GT-06-(25-30)

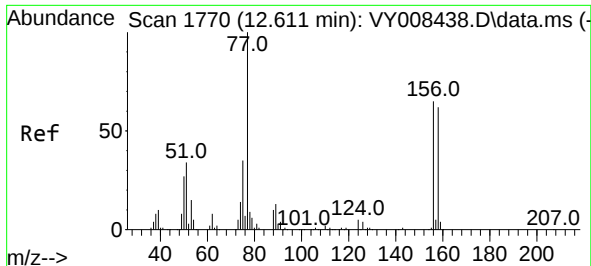
Tgt Ion: 43 Resp: 8437
Ion Ratio Lower Upper
43 100
70 11.7 28.7 43.1#
55 37.9 17.3 25.9#
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 35.431 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

Tgt Ion: 75 Resp: 61582
Ion Ratio Lower Upper
75 100
77 3.8 0.0 0.0#

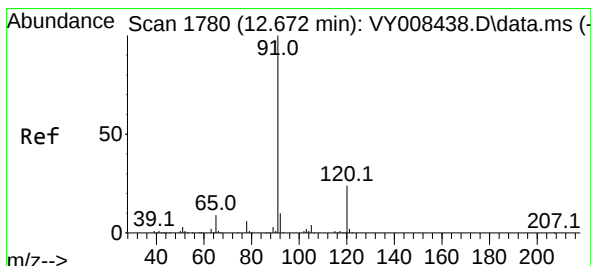
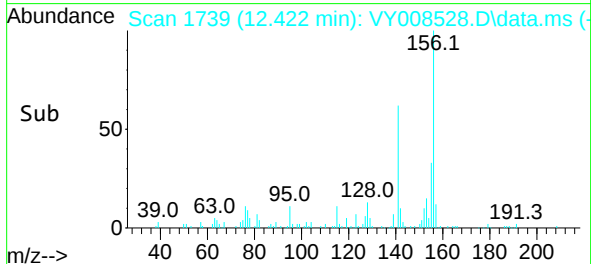
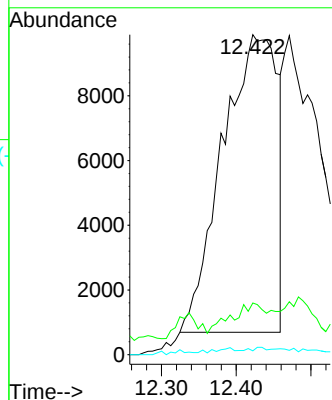
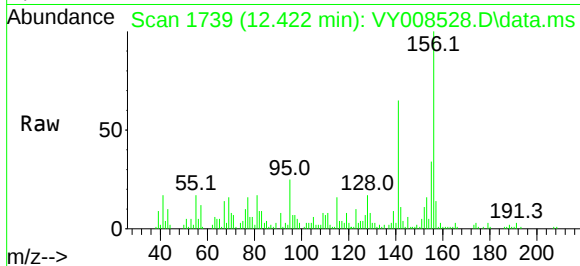




#77
Bromobenzene
Concen: 18.841 ug/l
RT: 12.422 min Scan# 1739
Delta R.T. -0.189 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

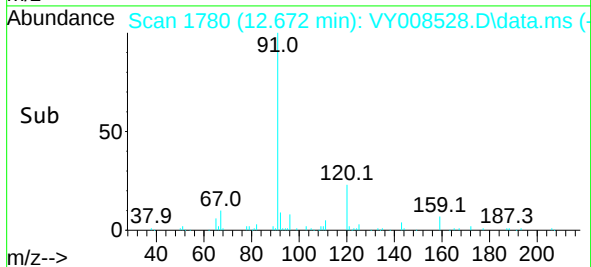
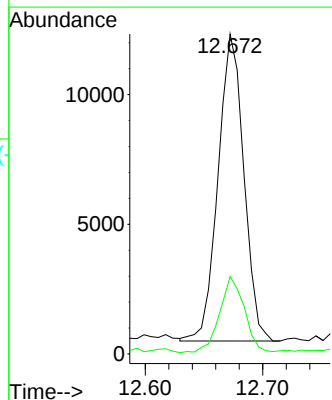
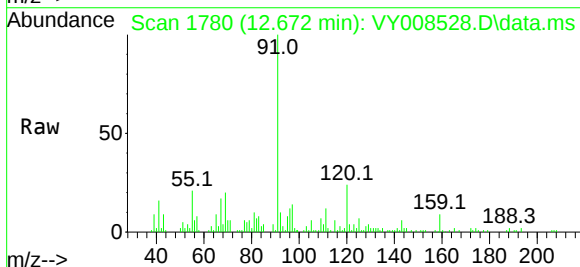
Instrument :
MSVOA_Y
ClientSampleId :
GT-06-(25-30)

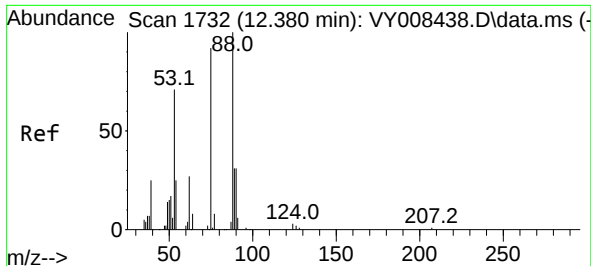
Tgt Ion:156 Resp: 46789
Ion Ratio Lower Upper
156 100
77 6.0 95.5 286.4#
158 0.3 48.0 144.0#



#78
n-propylbenzene
Concen: 1.476 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008528.D
Acq: 27 Apr 2022 15:34

Tgt Ion: 91 Resp: 18031
Ion Ratio Lower Upper
91 100
120 23.9 11.3 33.9

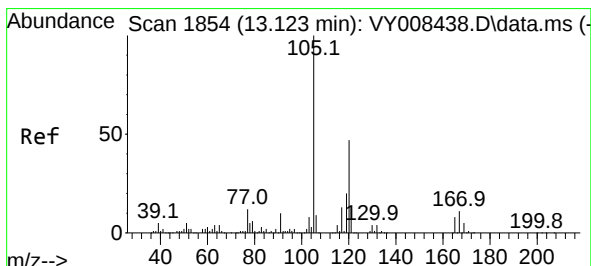
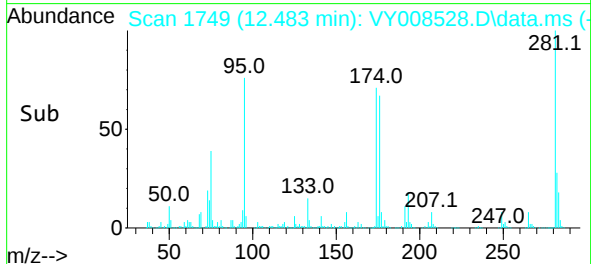
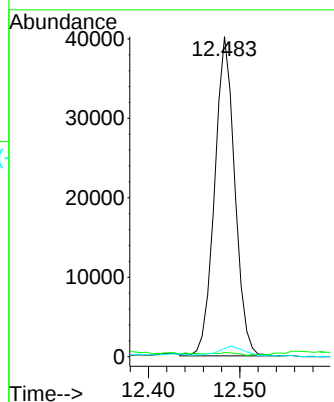
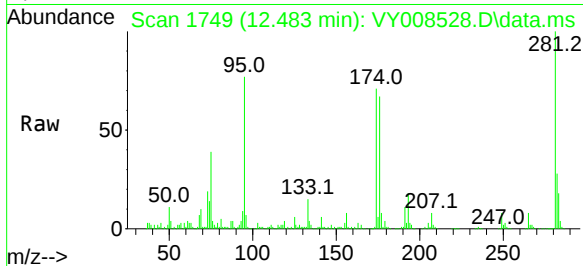




#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.196 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY008528.D
 Acq: 27 Apr 2022 15:34

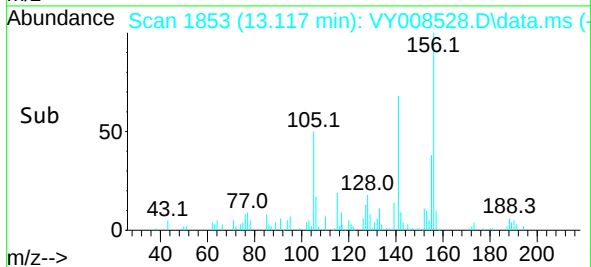
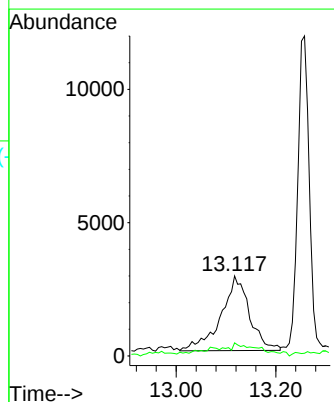
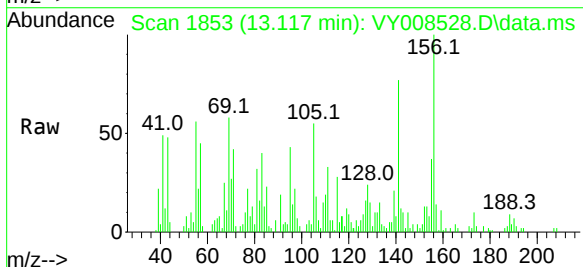
Instrument :
 MSVOA_Y
 ClientSampleId :
 GT-06-(25-30)

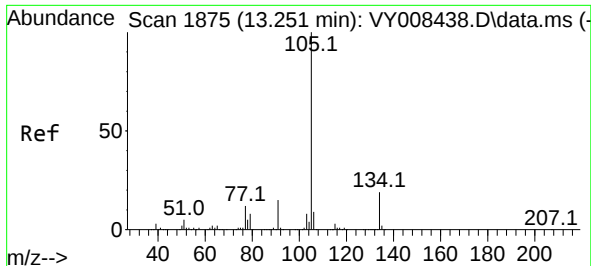
Tgt Ion: 75 Resp: 61582
 Ion Ratio Lower Upper
 75 100
 53 0.9 85.3 127.9#
 89 5.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.325 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: VY008528.D
 Acq: 27 Apr 2022 15:34

Tgt Ion: 105 Resp: 11115
 Ion Ratio Lower Upper
 105 100
 120 14.5 22.3 66.9#

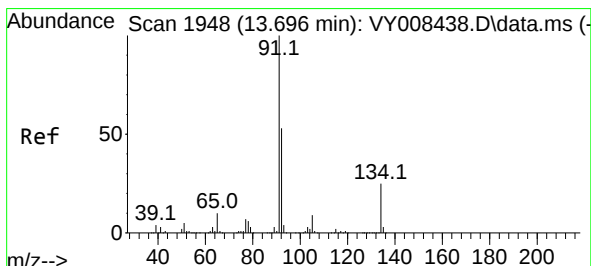
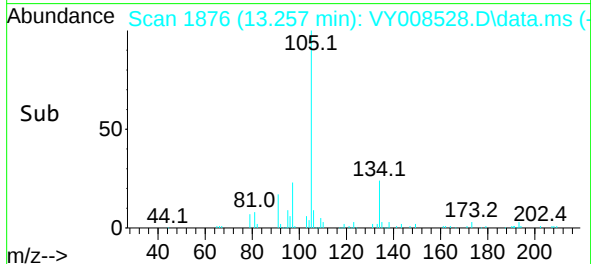
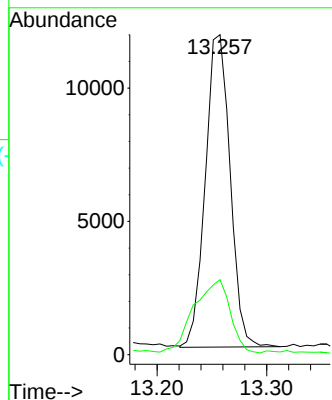
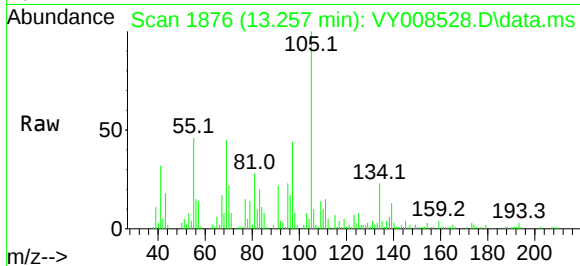




#85
 sec-Butylbenzene
 Concen: 1.664 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY008528.D
 Acq: 27 Apr 2022 15:34

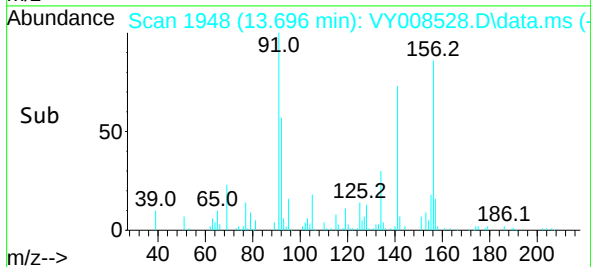
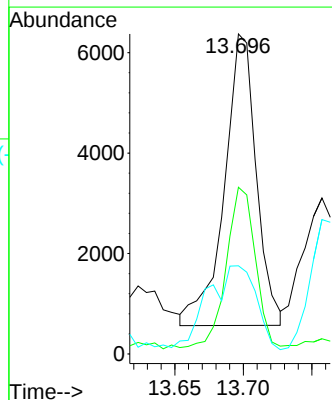
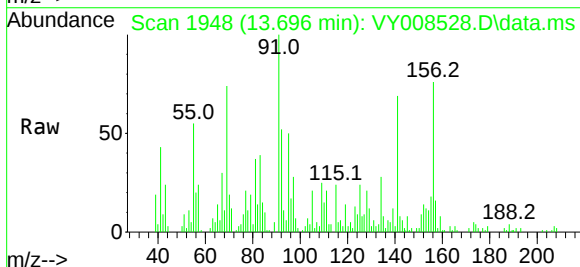
Instrument :
 MSVOA_Y
 ClientSampleId :
 GT-06-(25-30)

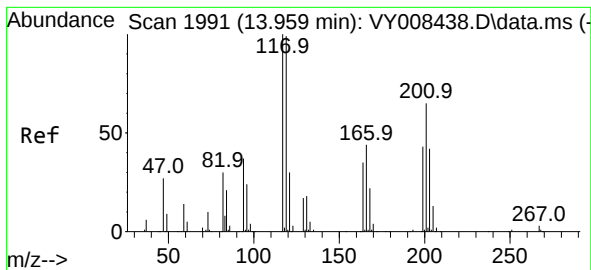
Tgt Ion:105 Resp: 18422
 Ion Ratio Lower Upper
 105 100
 134 34.2 10.2 30.4#



#89
 n-Butylbenzene
 Concen: 1.118 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VY008528.D
 Acq: 27 Apr 2022 15:34

Tgt Ion: 91 Resp: 9413
 Ion Ratio Lower Upper
 91 100
 92 51.5 26.3 78.9
 134 47.7 13.0 38.9#





#90

Hexachloroethane

Concen: 3.422 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.018 min

Lab File: VY008528.D

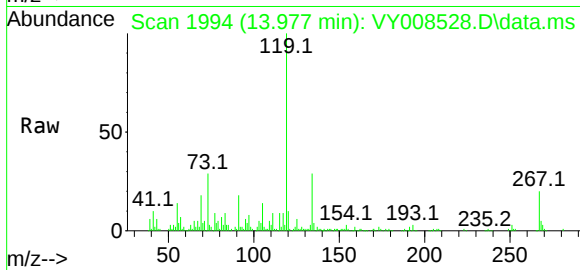
Acq: 27 Apr 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

GT-06-(25-30)



Tgt Ion:117 Resp: 5706

Ion Ratio Lower Upper

117 100

201 0.0 43.0 128.8#

