

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042522\
 Data File : VY008484.D
 Acq On : 25 Apr 2022 16:04
 Operator : KP/MD
 Sample : N2548-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

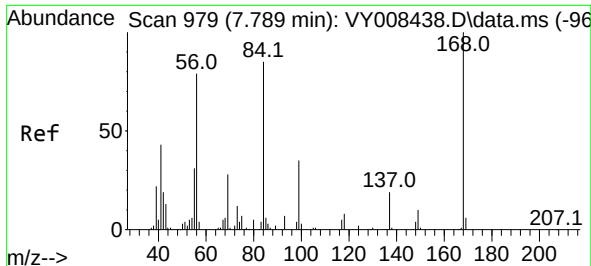
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-8D

Quant Time: Apr 26 01:57:07 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	7.783	168	4067	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	6604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	2288	47.813	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.620%
35) Dibromofluoromethane	7.716	113	1941	45.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.080%
50) Toluene-d8	10.179	98	7887	46.589	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.180%
62) 4-Bromofluorobenzene	12.483	95	2737	47.690	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.380%
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	104	1.790	ug/l	# 21
4) Vinyl Chloride	2.265	62	104	1.377	ug/l	# 43
5) Bromomethane	2.668	94	119	1.695	ug/l	# 1
10) Methyl Iodide	4.094	142	108	3.393	ug/l	# 35
16) Acetone	3.948	43	163	14.624	ug/l	# 47
20) Methylene Chloride	4.716	84	106	Below Cal		# 28
36) 1,1-Dichloropropene	7.783	75	312	4.602	ug/l	# 42
38) Carbon Tetrachloride	7.801	117	108	1.533	ug/l	# 11
55) 1,1,2-Trichloroethane	10.624	97	97	2.136	ug/l	# 15
59) 2-Hexanone	10.800	43	160	6.410	ug/l	# 28
73) Isopropylbenzene	12.337	105	464	2.459	ug/l	85
74) N-amyl acetate	12.129	43	1399	30.003	ug/l	# 76
75) 1,1,2,2-Tetrachloroethane	12.556	83	207	4.909	ug/l	# 26
76) 1,2,3-Trichloropropane	12.489	75	1485	46.101	ug/l	# 100
78) n-propylbenzene	12.672	91	572	2.527	ug/l	79
80) 1,3,5-Trimethylbenzene	12.818	105	587	3.747	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.489	75	1485	106.950	ug/l	# 8
84) 1,2,4-Trimethylbenzene	13.117	105	842	5.418	ug/l	96
85) sec-Butylbenzene	13.257	105	956	4.659	ug/l	89
86) p-Isopropyltoluene	13.586	119	570	3.317	ug/l	84
89) n-Butylbenzene	13.696	91	313	2.007	ug/l	# 60
90) Hexachloroethane	13.977	117	136	4.402	ug/l	# 6

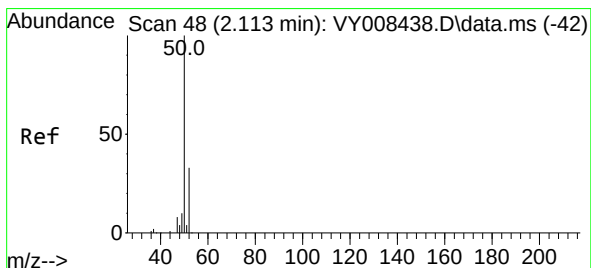
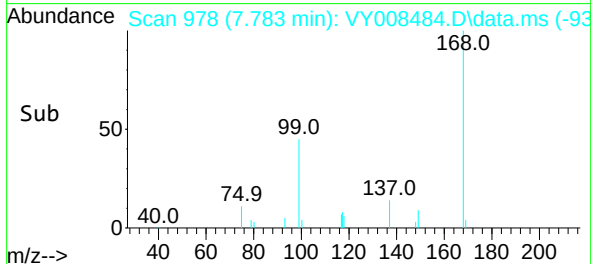
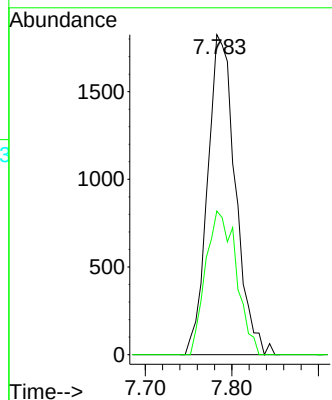
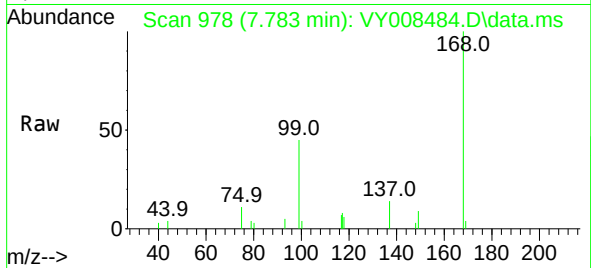
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

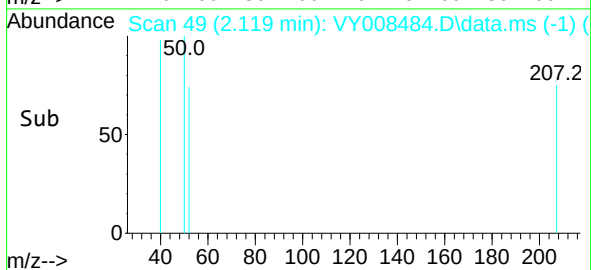
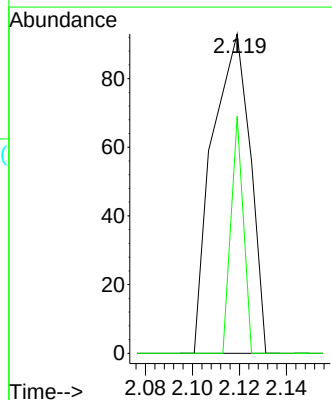
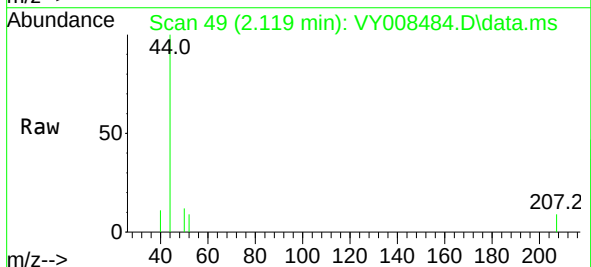
Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

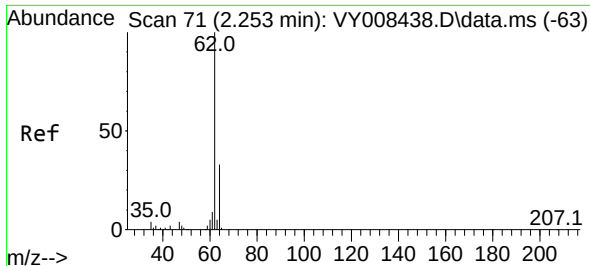
Tgt Ion:168 Resp: 4067
Ion Ratio Lower Upper
168 100
99 44.9 46.9 70.3#



#3
Chloromethane
Concen: 1.790 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

Tgt Ion: 50 Resp: 104
Ion Ratio Lower Upper
50 100
52 74.2 24.6 37.0#

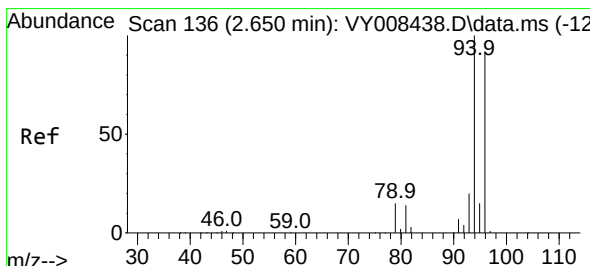
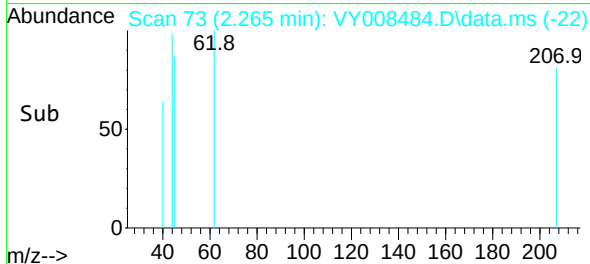
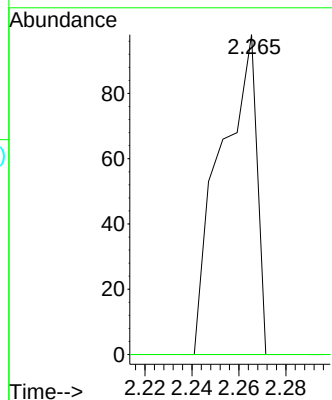
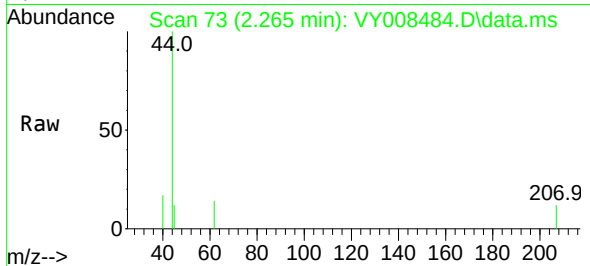




#4
 Vinyl Chloride
 Concen: 1.377 ug/l
 RT: 2.265 min Scan# 71
 Delta R.T. 0.012 min
 Lab File: VY008484.D
 Acq: 25 Apr 2022 16:04

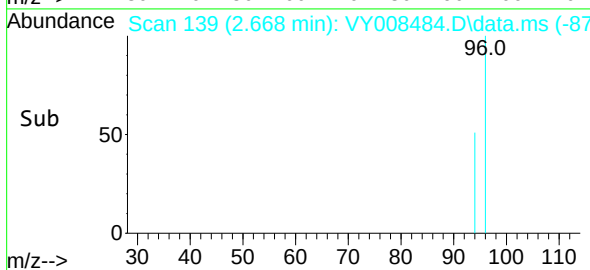
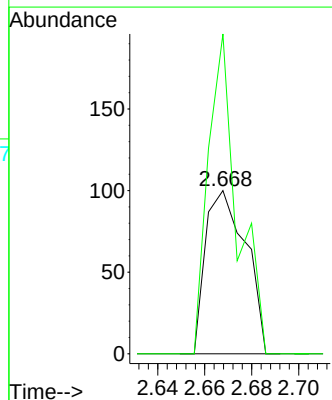
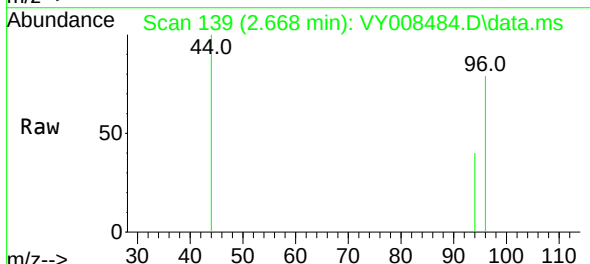
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-8D

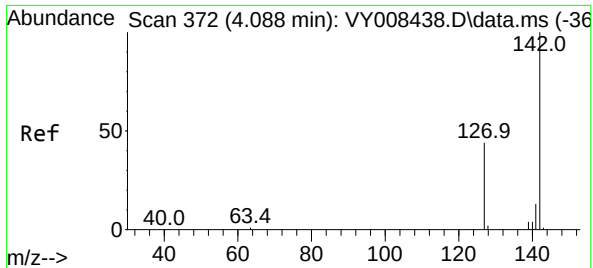
Tgt Ion: 62 Resp: 104
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 1.695 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.018 min
 Lab File: VY008484.D
 Acq: 25 Apr 2022 16:04

Tgt Ion: 94 Resp: 119
 Ion Ratio Lower Upper
 94 100
 96 196.0 73.5 110.3#

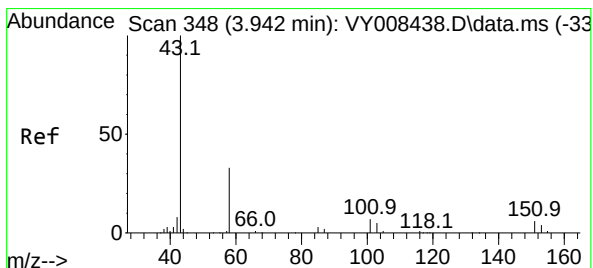
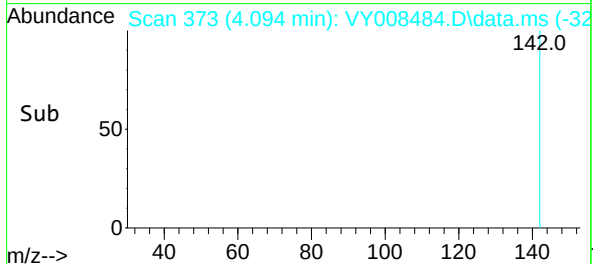
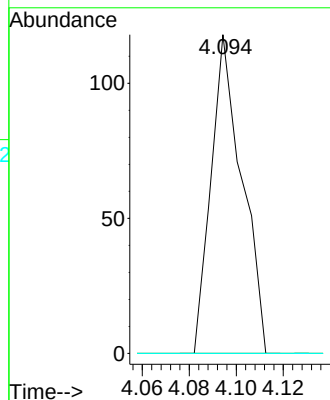
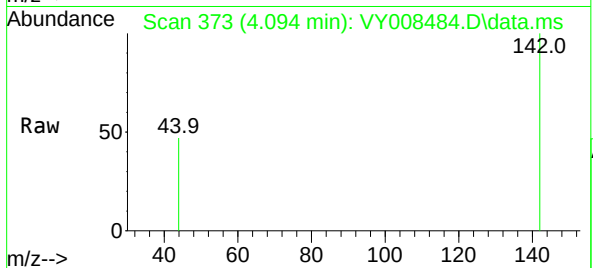




#10
Methyl Iodide
Concen: 3.393 ug/l
RT: 4.094 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

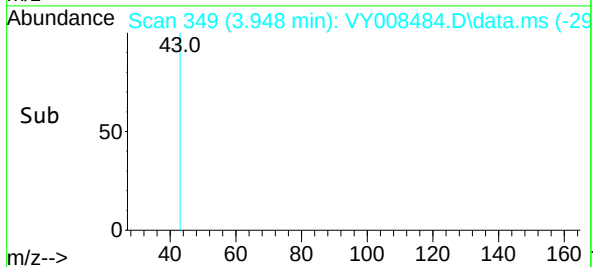
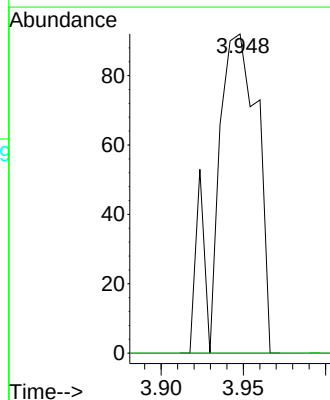
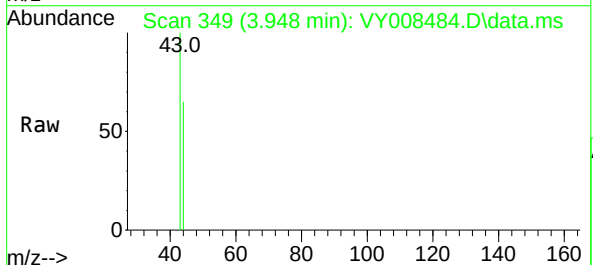
Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

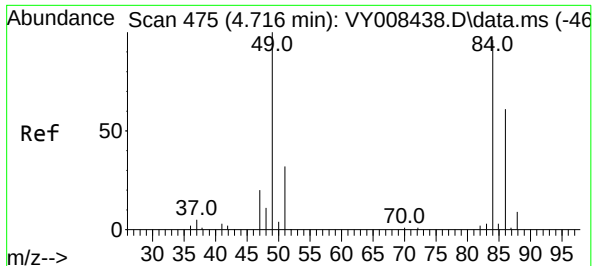
Tgt Ion:142 Resp: 108
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 14.624 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

Tgt Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY008484.D

Acq: 25 Apr 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

MH-8D

Tgt Ion: 84 Resp: 106

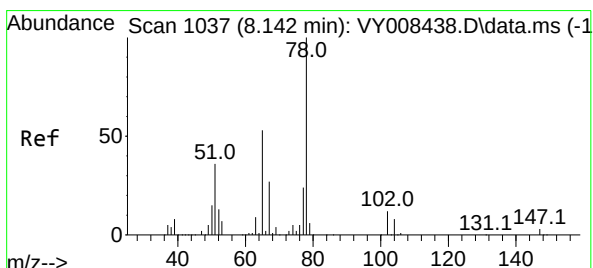
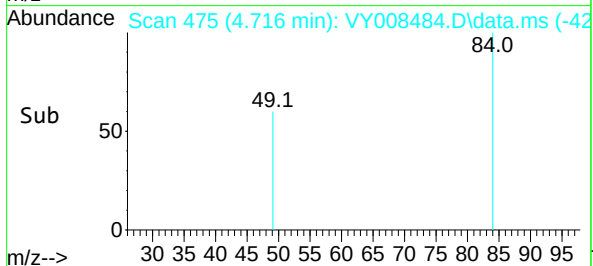
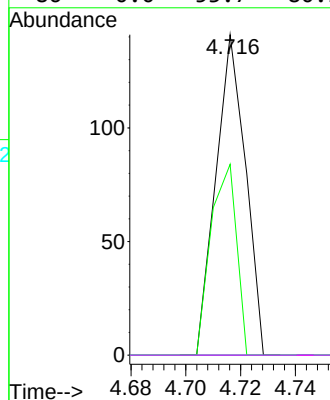
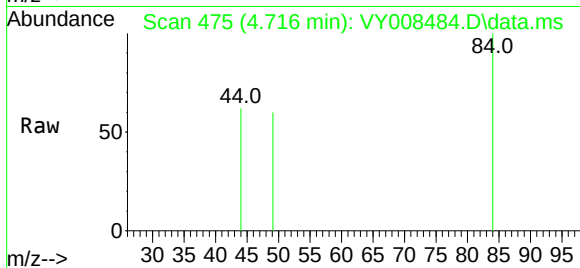
Ion Ratio Lower Upper

84 100

49 59.6 114.4 171.6#

51 0.0 35.3 52.9#

86 0.0 53.7 80.5#



#33

1,2-Dichloroethane-d4

Concen: 47.813 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008484.D

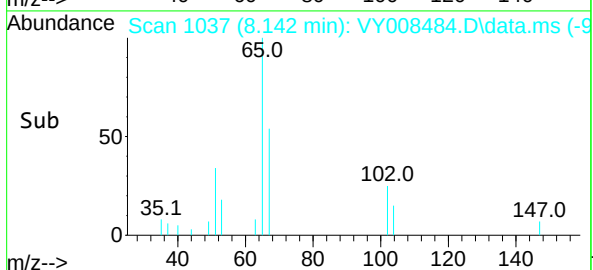
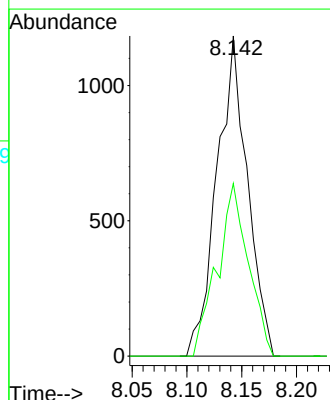
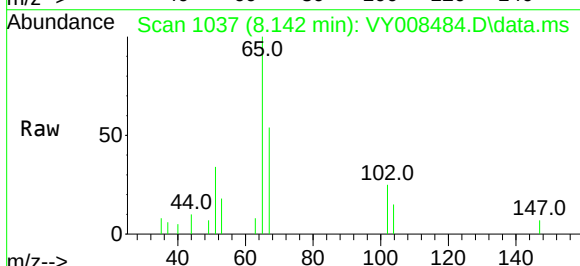
Acq: 25 Apr 2022 16:04

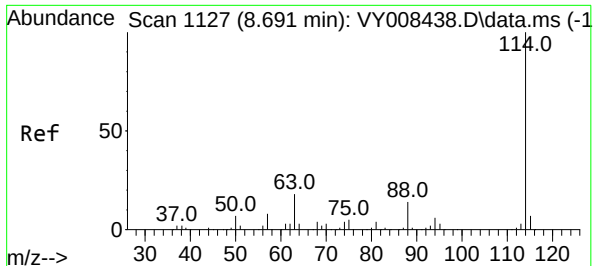
Tgt Ion: 65 Resp: 2288

Ion Ratio Lower Upper

65 100

67 55.2 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: VY008484.D

Acq: 25 Apr 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

MH-8D

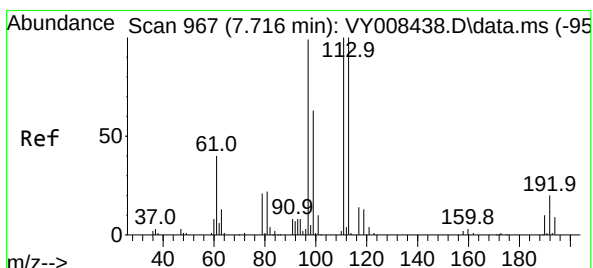
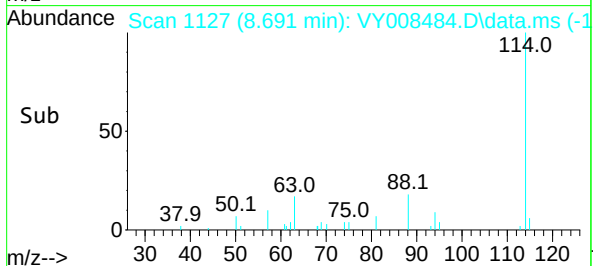
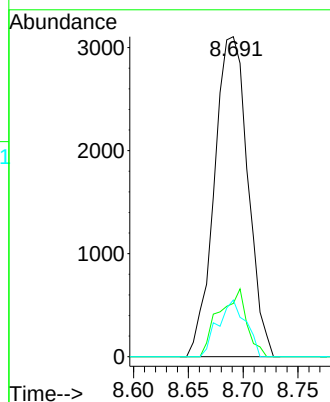
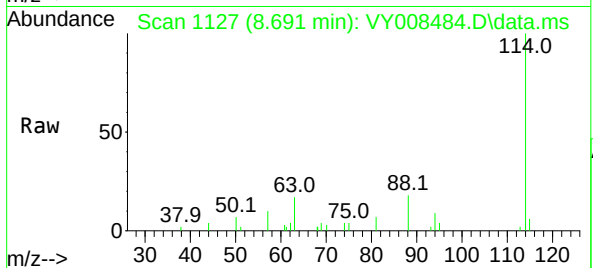
Tgt Ion:114 Resp: 6604

Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.2

88 17.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.541 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008484.D

Acq: 25 Apr 2022 16:04

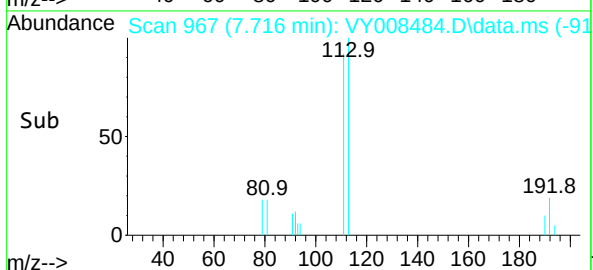
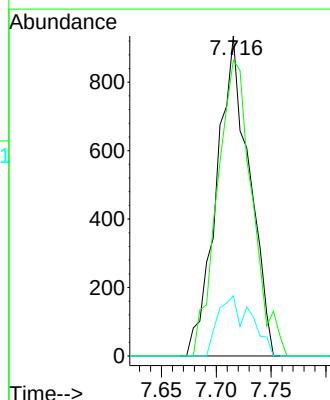
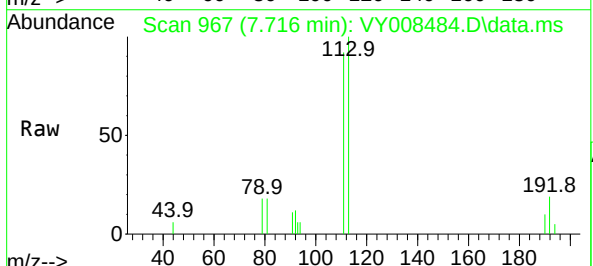
Tgt Ion:113 Resp: 1941

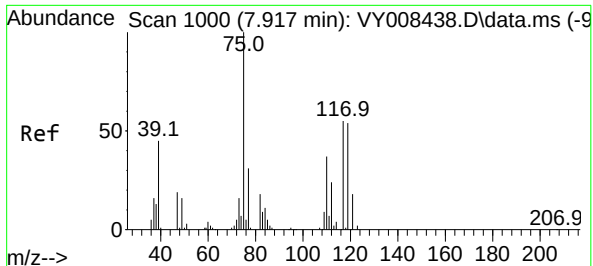
Ion Ratio Lower Upper

113 100

111 98.6 82.6 124.0

192 18.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.602 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008484.D

Acq: 25 Apr 2022 16:04

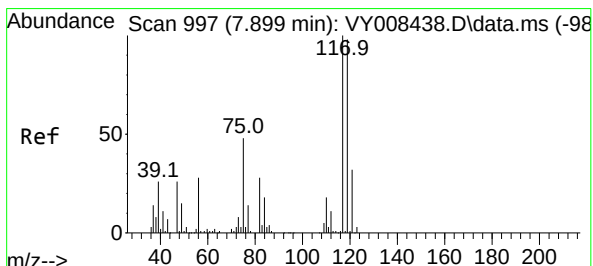
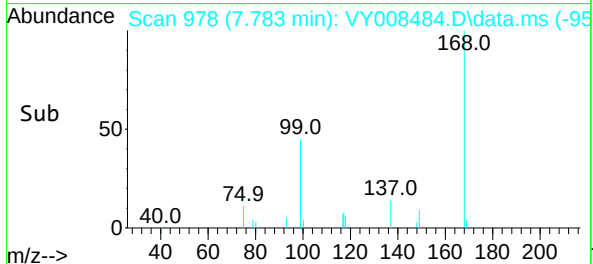
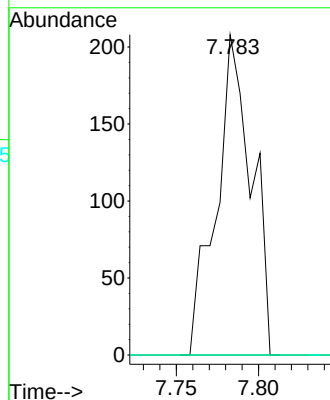
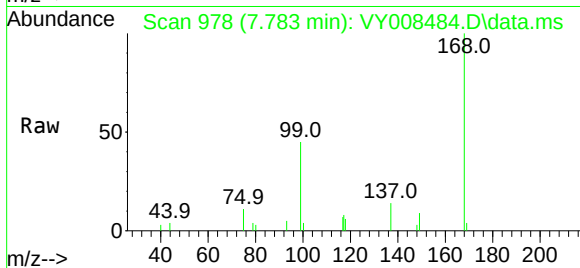
Instrument :

MSVOA_Y

ClientSampleId :

MH-8D

Tgt Ion: 75	Resp:	312
Ion Ratio	Lower	Upper
75	100	
110	0.0	17.1 51.2#
77	0.0	24.4 36.6#



#38

Carbon Tetrachloride

Concen: 1.533 ug/l

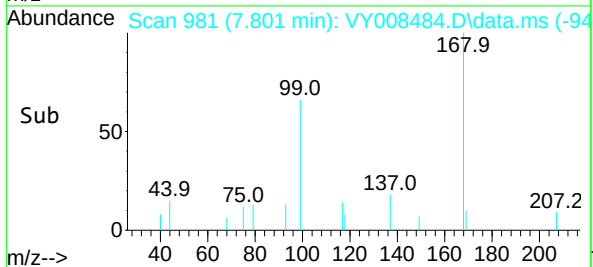
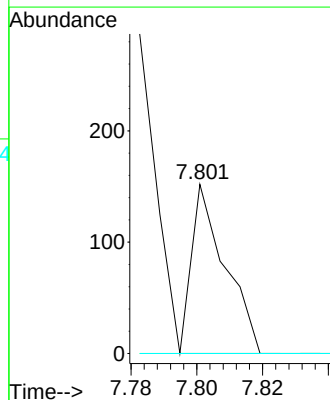
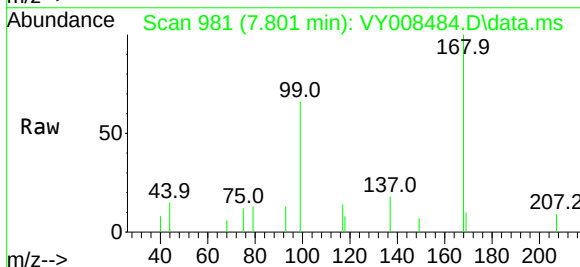
RT: 7.801 min Scan# 981

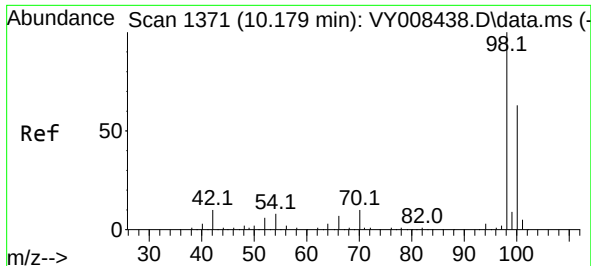
Delta R.T. -0.098 min

Lab File: VY008484.D

Acq: 25 Apr 2022 16:04

Tgt Ion: 117	Resp:	108
Ion Ratio	Lower	Upper
117	100	
119	0.0	77.9 116.9#
121	0.0	24.8 37.2#

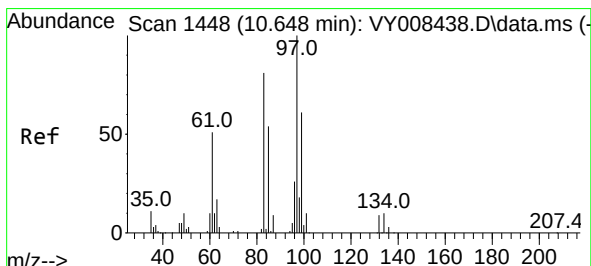
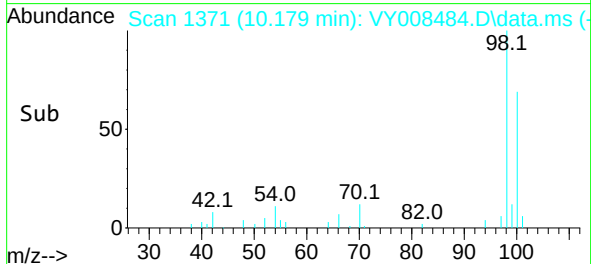
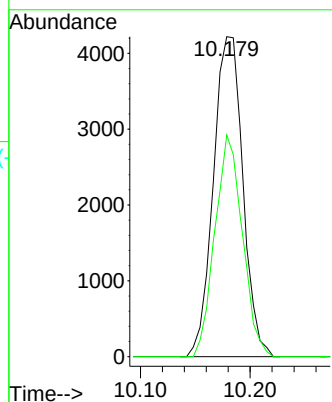
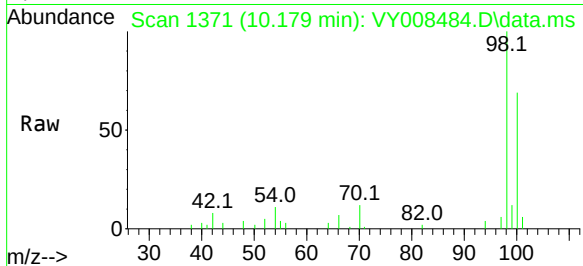




#50
Toluene-d8
Concen: 46.589 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

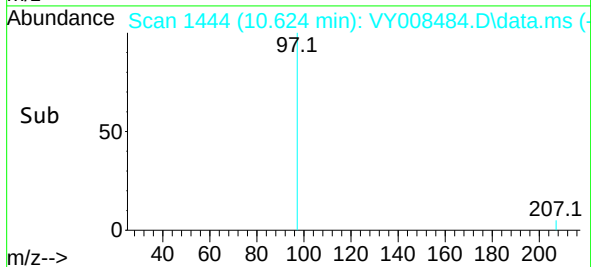
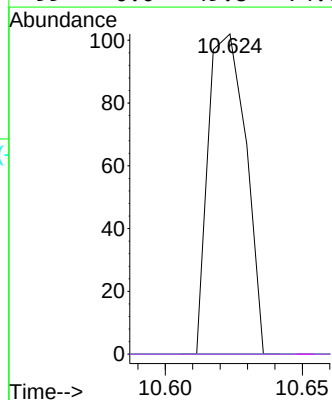
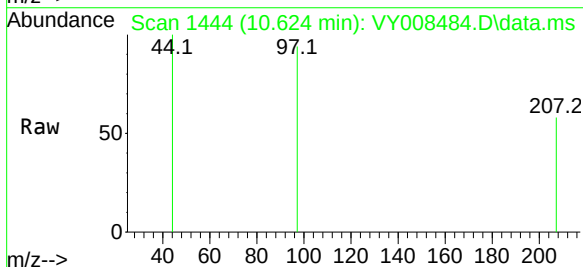
Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

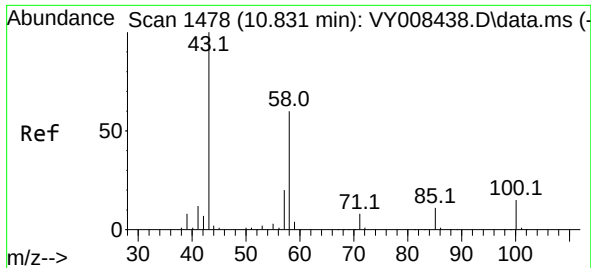
Tgt Ion: 98 Resp: 7887
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 2.136 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

Tgt Ion: 97 Resp: 97
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 44.3 66.5#
99 0.0 49.8 74.6#

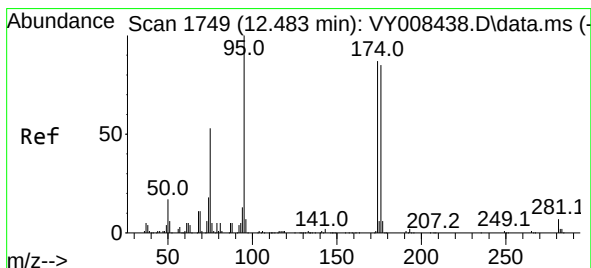
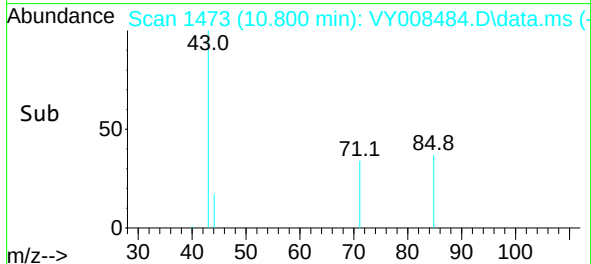
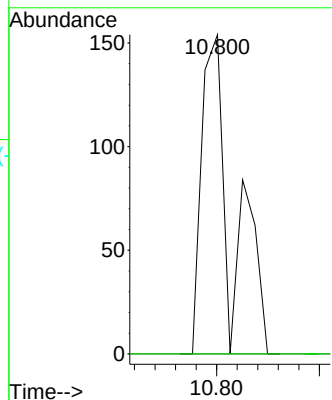
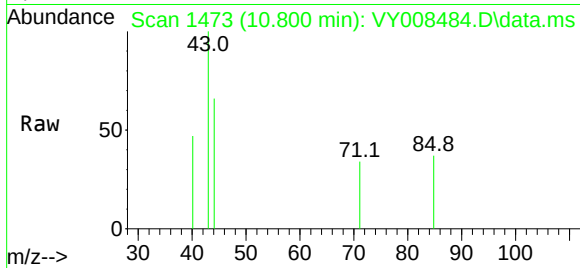




#59
2-Hexanone
Concen: 6.410 ug/l
RT: 10.800 min Scan# 1478
Delta R.T. -0.031 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

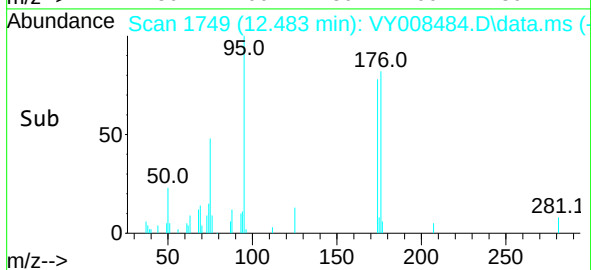
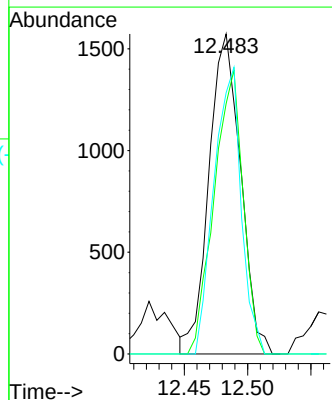
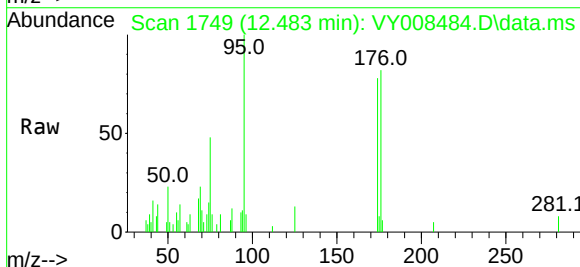
Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

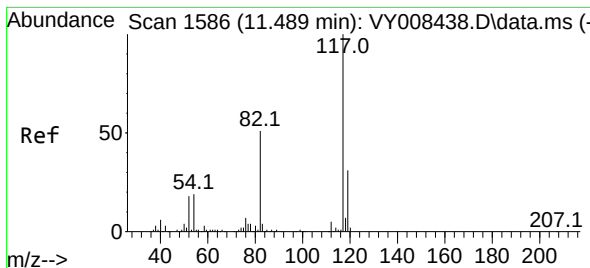
Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 47.690 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

Tgt Ion: 95 Resp: 2737
Ion Ratio Lower Upper
95 100
174 80.9 0.0 177.0
176 77.0 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: VY008484.D

Acq: 25 Apr 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

MH-8D

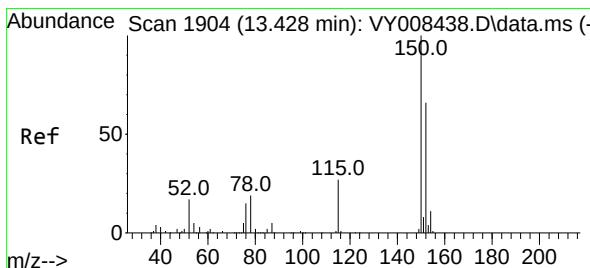
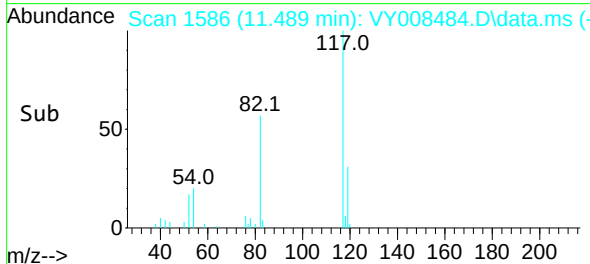
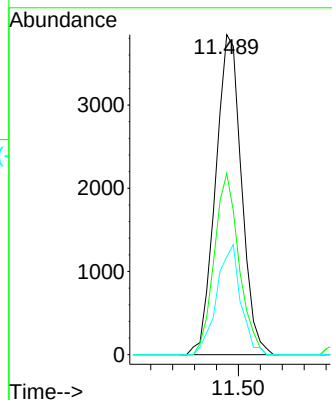
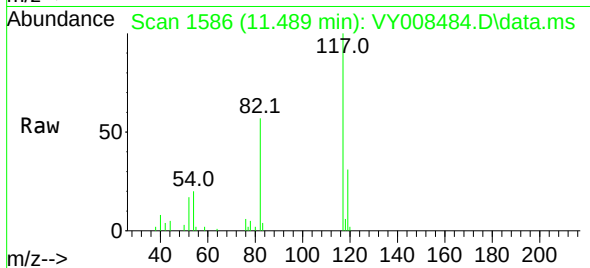
Tgt Ion:117 Resp: 6323

Ion Ratio Lower Upper

117 100

82 56.6 43.0 64.4

119 30.5 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: VY008484.D

Acq: 25 Apr 2022 16:04

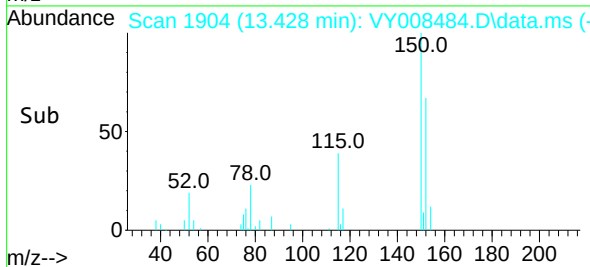
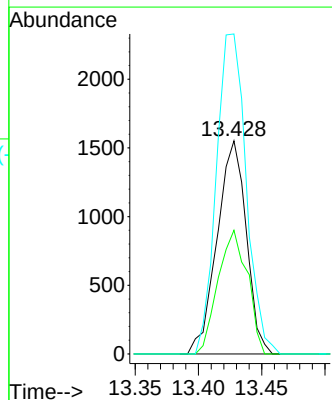
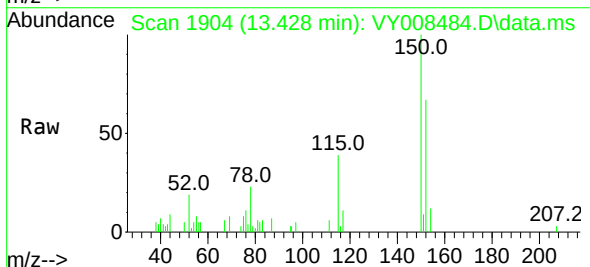
Tgt Ion:152 Resp: 2489

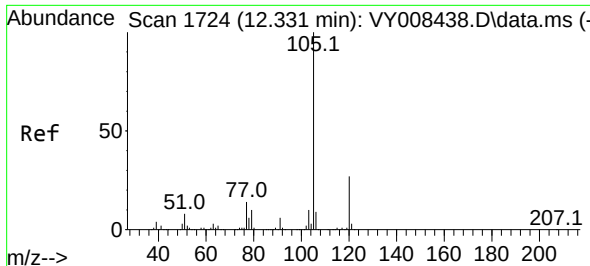
Ion Ratio Lower Upper

152 100

115 58.3 28.2 84.7

150 153.6 0.0 347.6

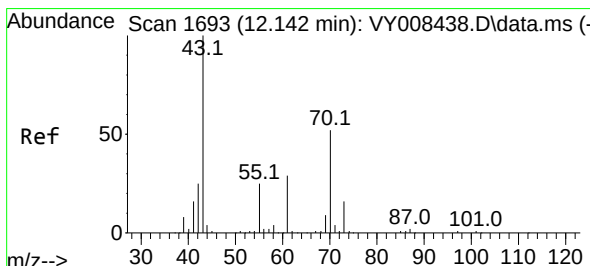
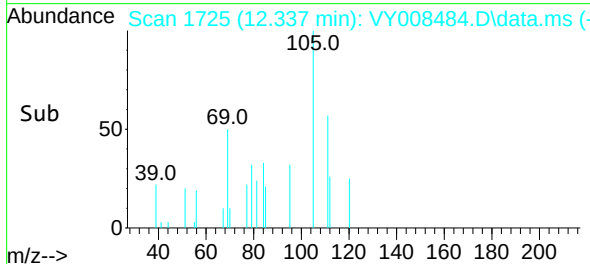
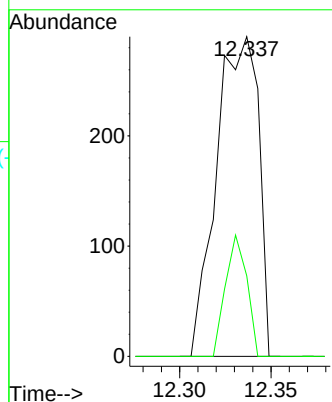
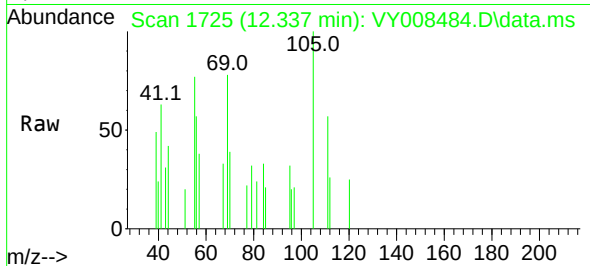




#73
Isopropylbenzene
Concen: 2.459 ug/l
RT: 12.337 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

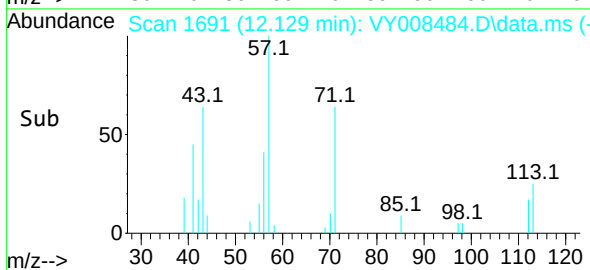
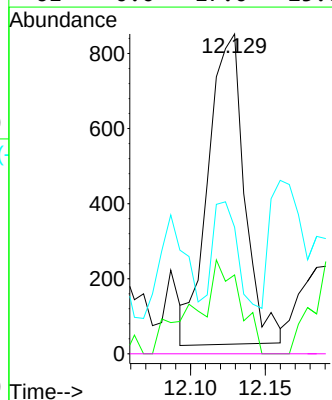
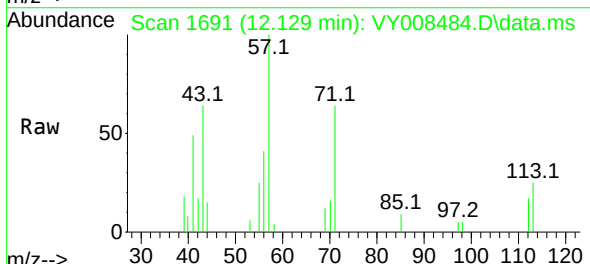
Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

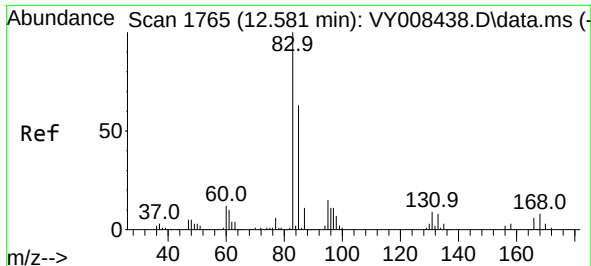
Tgt Ion:105 Resp: 464
Ion Ratio Lower Upper
105 100
120 19.2 13.4 40.2



#74
N-ethyl acetate
Concen: 30.003 ug/l
RT: 12.129 min Scan# 1691
Delta R.T. -0.013 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
70 38.1 28.7 43.1
55 38.7 17.3 25.9#
61 0.0 17.0 25.6#

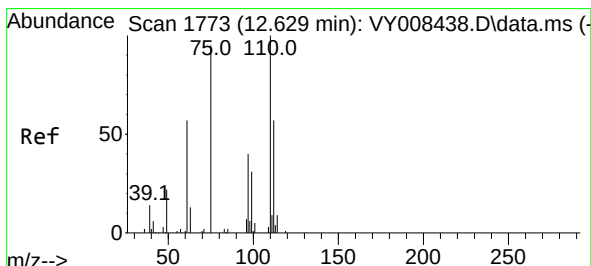
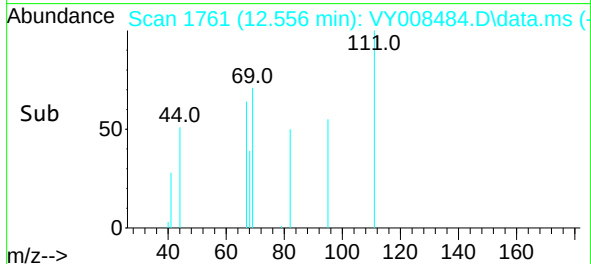
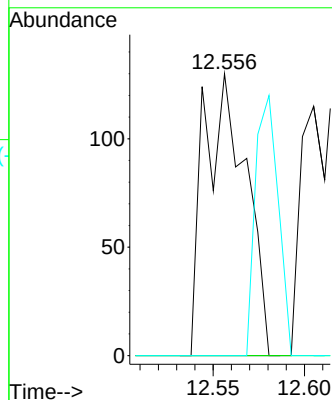
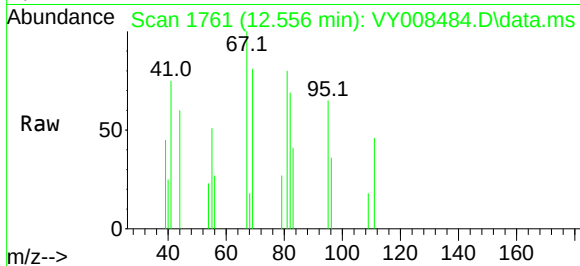




#75
1,1,2,2-Tetrachloroethane
Concen: 4.909 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.025 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

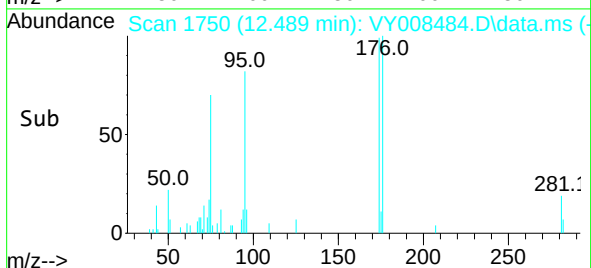
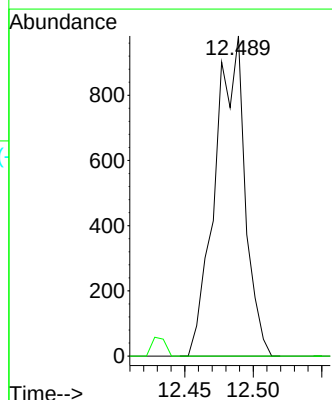
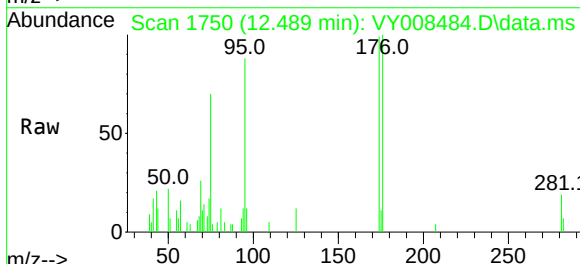
Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

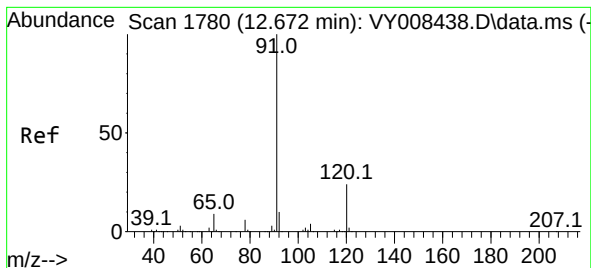
Tgt Ion: 83 Resp: 207
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 46.101 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

Tgt Ion: 75 Resp: 1485
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#78

n-propylbenzene

Concen: 2.527 ug/l

RT: 12.672 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008484.D

Acq: 25 Apr 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

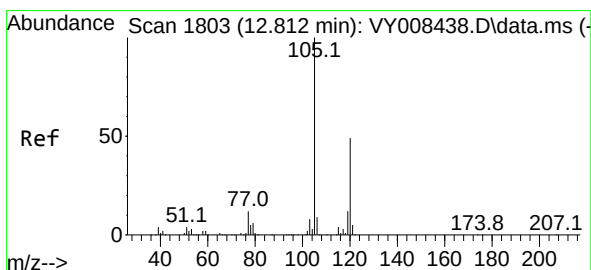
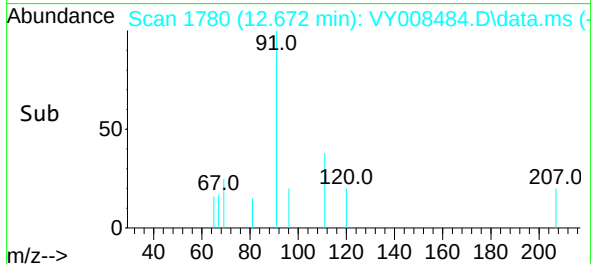
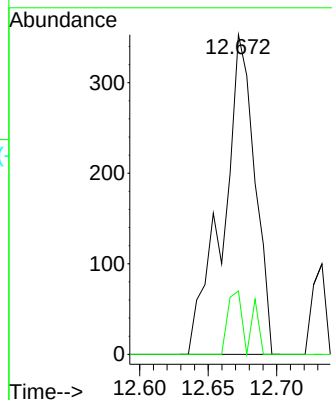
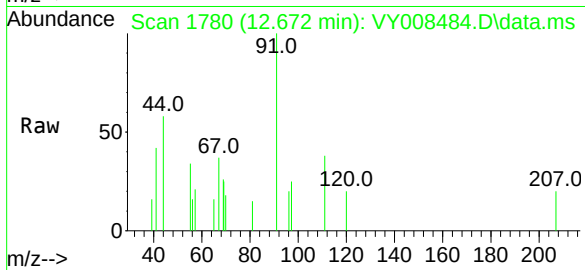
MH-8D

Tgt Ion: 91 Resp: 572

Ion Ratio Lower Upper

91 100

120 12.4 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 3.747 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY008484.D

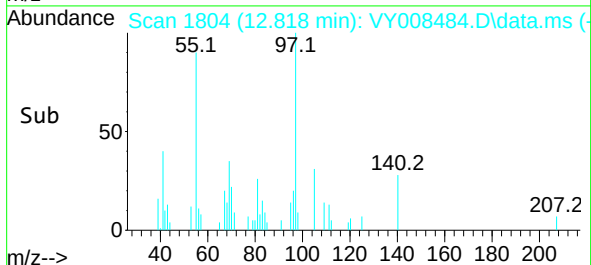
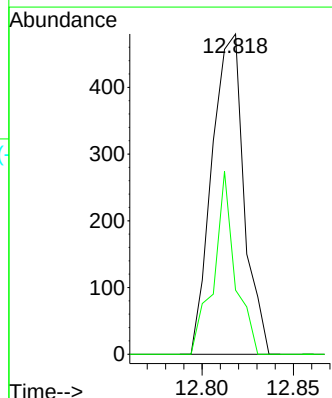
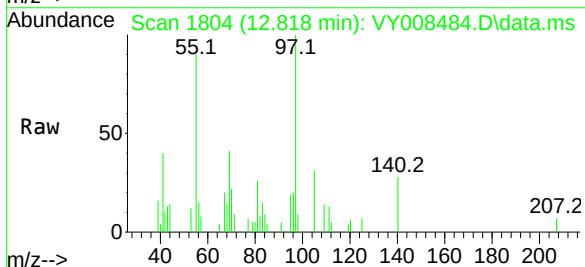
Acq: 25 Apr 2022 16:04

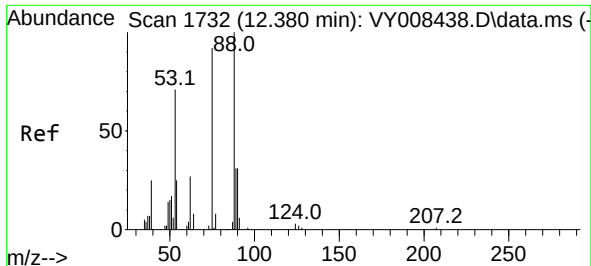
Tgt Ion: 105 Resp: 587

Ion Ratio Lower Upper

105 100

120 37.8 24.4 73.4

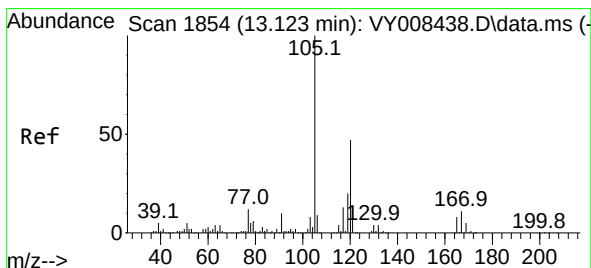
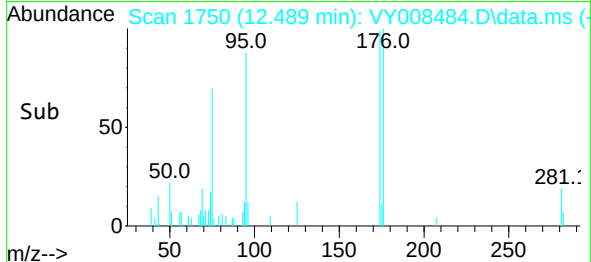
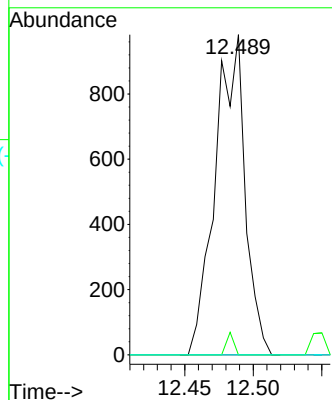
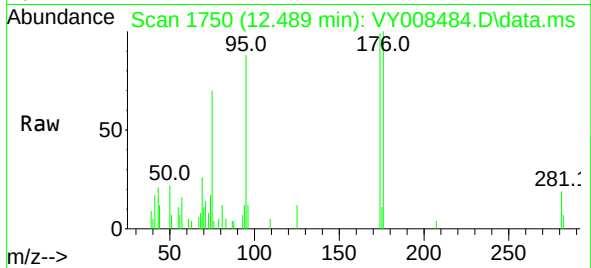




#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.950 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. 0.109 min
 Lab File: VY008484.D
 Acq: 25 Apr 2022 16:04

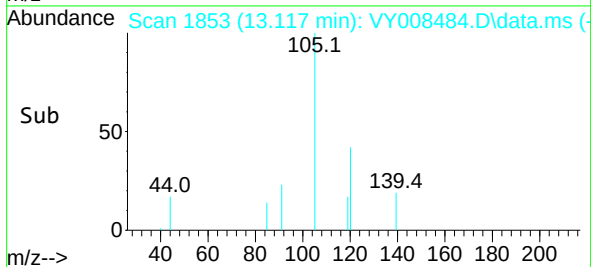
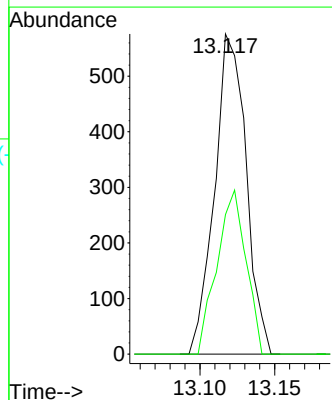
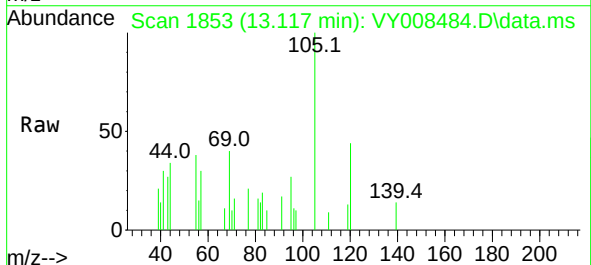
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-8D

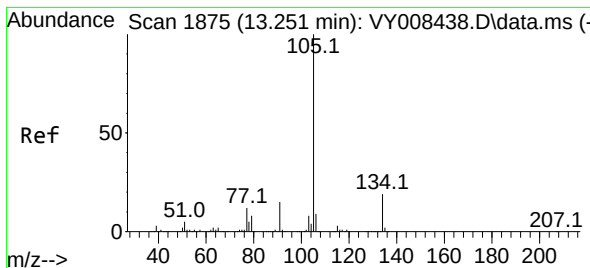
Tgt Ion: 75 Resp: 1485
 Ion Ratio Lower Upper
 75 100
 53 1.7 85.3 127.9#
 89 0.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 5.418 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: VY008484.D
 Acq: 25 Apr 2022 16:04

Tgt Ion: 105 Resp: 842
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.3 66.9





#85

sec-Butylbenzene

Concen: 4.659 ug/l

RT: 13.257 min Scan# 1930

Delta R.T. 0.006 min

Lab File: VY008484.D

Acq: 25 Apr 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

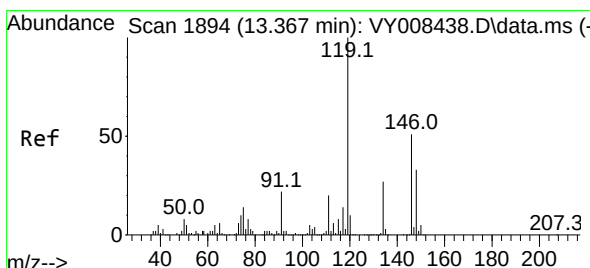
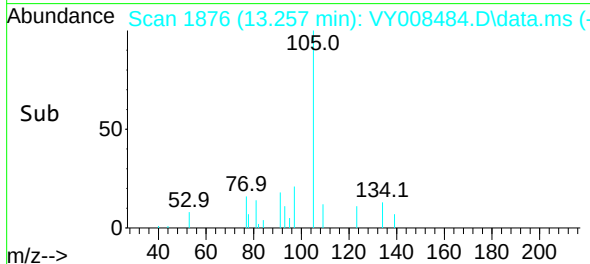
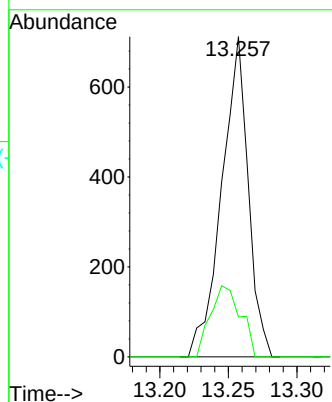
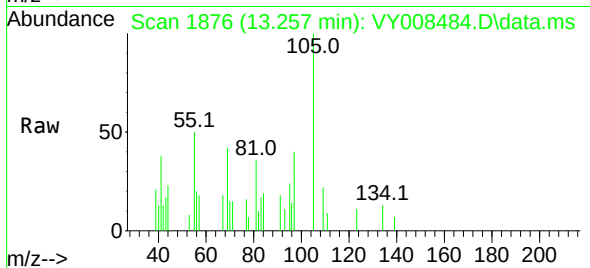
MH-8D

Tgt Ion:105 Resp: 956

Ion Ratio Lower Upper

105 100

134 25.2 10.2 30.4



#86

p-Isopropyltoluene

Concen: 3.317 ug/l

RT: 13.586 min Scan# 1930

Delta R.T. 0.219 min

Lab File: VY008484.D

Acq: 25 Apr 2022 16:04

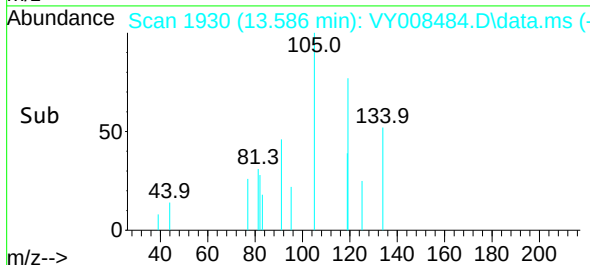
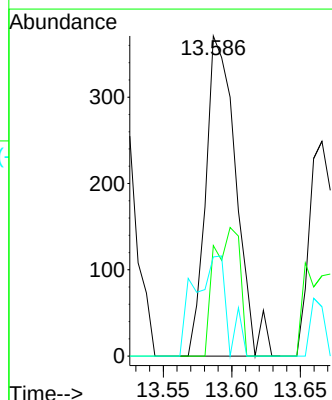
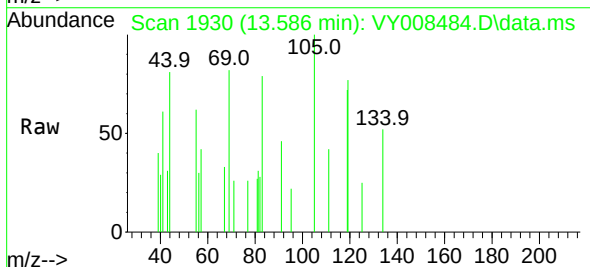
Tgt Ion:119 Resp: 570

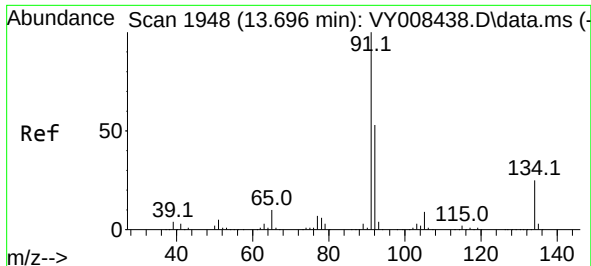
Ion Ratio Lower Upper

119 100

134 33.9 13.2 39.5

91 33.9 12.4 37.2

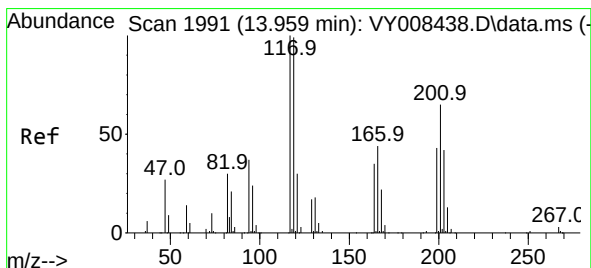
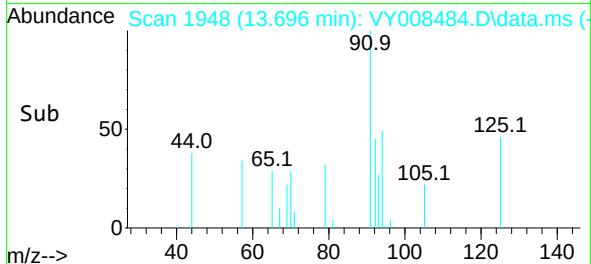
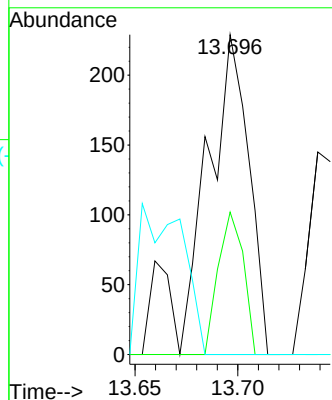
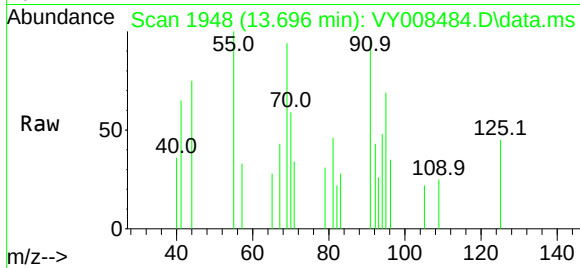




#89
n-Butylbenzene
Concen: 2.007 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

Instrument :
MSVOA_Y
ClientSampleId :
MH-8D

Tgt Ion: 91 Resp: 313
Ion Ratio Lower Upper
91 100
92 27.8 26.3 78.9
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 4.402 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY008484.D
Acq: 25 Apr 2022 16:04

Tgt Ion: 117 Resp: 136
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

