

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042822\
 Data File : VY008546.D
 Acq On : 28 Apr 2022 14:36
 Operator : KP/MD
 Sample : N2588-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-1

Quant Time: Apr 29 02:00:54 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)

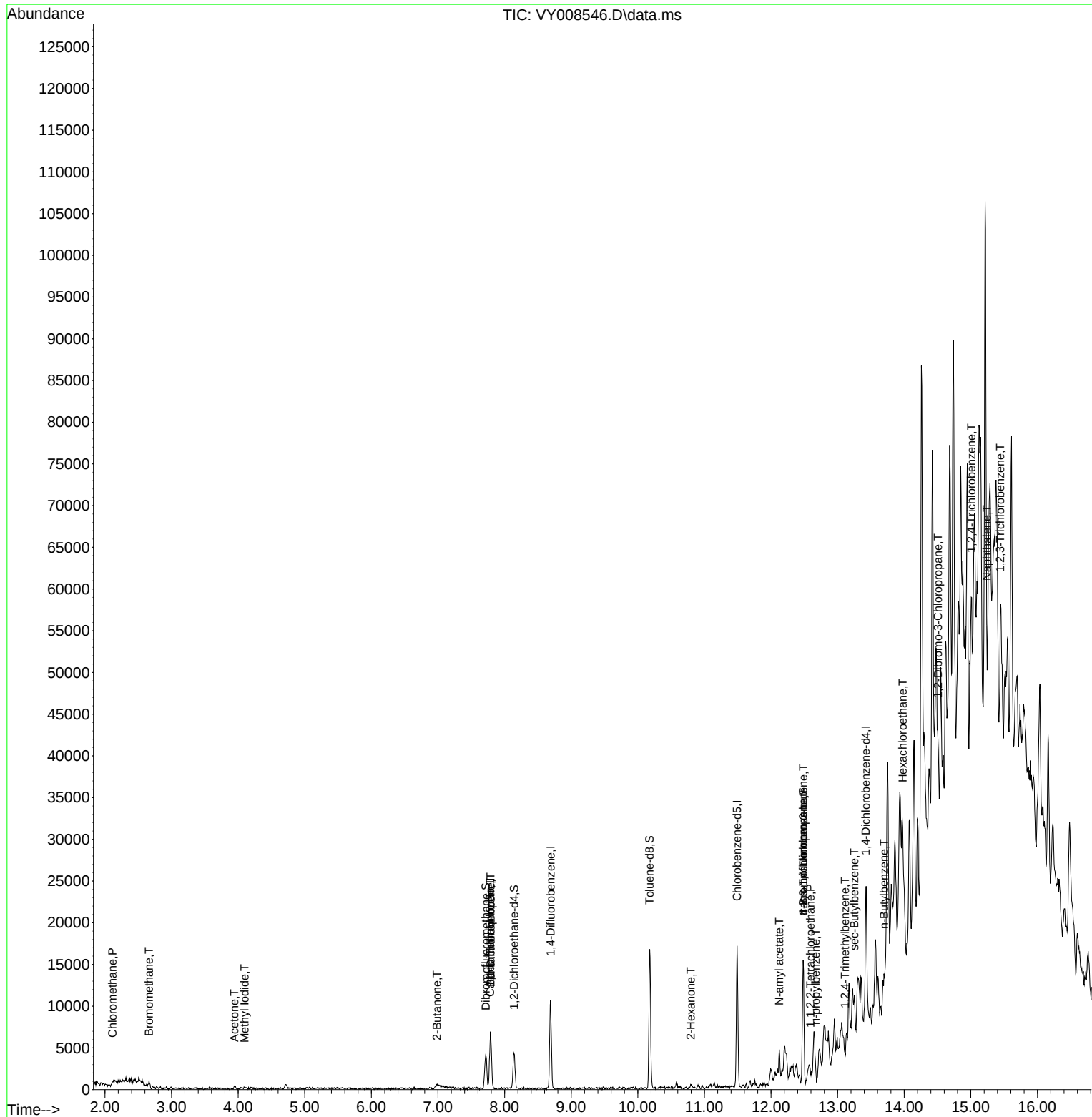
Internal Standards						
1) Pentafluorobenzene	7.789	168	5630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	9698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	9812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3485	52.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.220%	
35) Dibromofluoromethane	7.716	113	3100	49.529	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.060%	
50) Toluene-d8	10.179	98	11764	47.287	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.580%	
62) 4-Bromofluorobenzene	12.483	95	4384	52.018	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	150	1.864	ug/l #	44
5) Bromomethane	2.662	94	322	3.313	ug/l	95
10) Methyl Iodide	4.094	142	329	5.435	ug/l #	49
16) Acetone	3.942	43	362	23.462	ug/l #	89
20) Methylene Chloride	4.716	84	398	Below Cal	#	48
25) 2-Butanone	6.984	43	47	1.969	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	426	4.279	ug/l #	42
38) Carbon Tetrachloride	7.783	117	544	5.259	ug/l #	11
59) 2-Hexanone	10.794	43	284	7.747	ug/l #	28
74) N-amyl acetate	12.123	43	768	9.572	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.593	83	113	1.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	2032	36.659	ug/l #	100
78) n-propylbenzene	12.672	91	547	1.404	ug/l #	71
81) trans-1,4-Dichloro-2-b...	12.483	75	2032	85.046	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.111	105	295	1.103	ug/l #	31
85) sec-Butylbenzene	13.251	105	1090	3.087	ug/l #	74
89) n-Butylbenzene	13.696	91	632	2.355	ug/l #	67
90) Hexachloroethane	13.977	117	442	8.313	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.507	75	50	4.586	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.007	180	131	1.669	ug/l #	1
95) Naphthalene	15.239	128	378	2.125	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.440	180	520	7.570	ug/l #	23

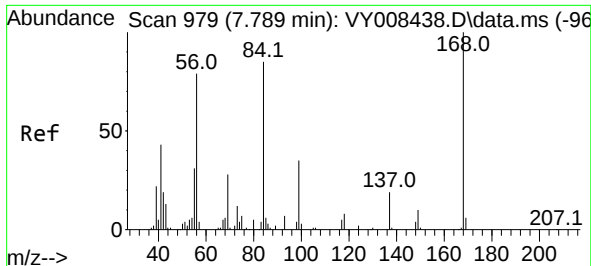
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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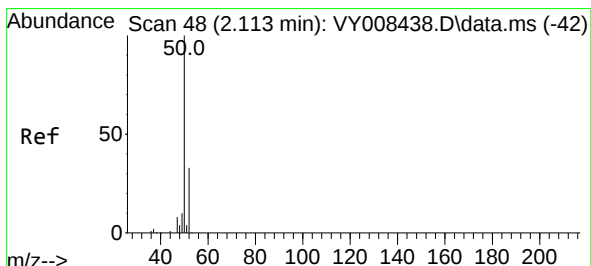
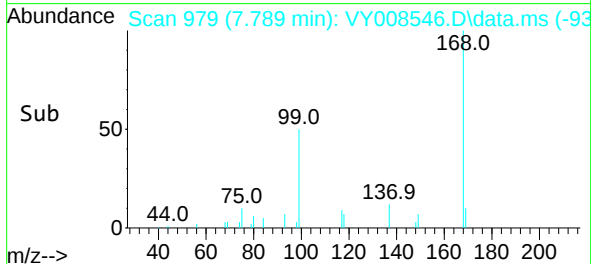
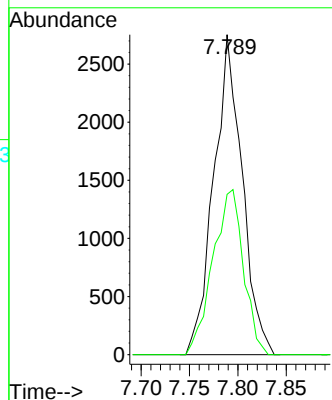
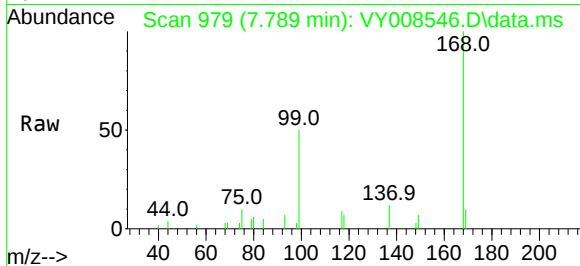




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

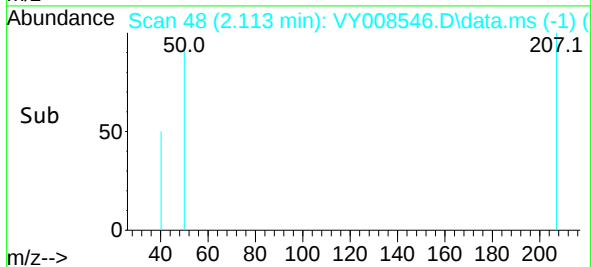
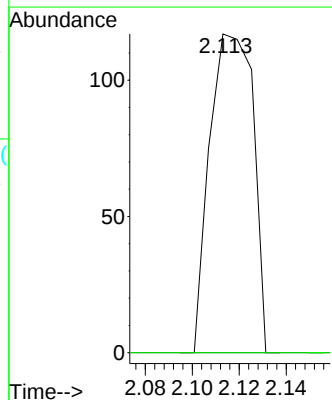
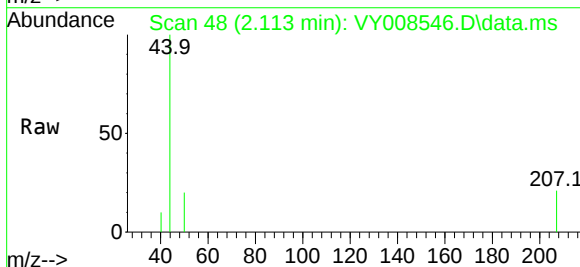
Instrument :
MSVOA_Y
ClientSampleId :
MH-1

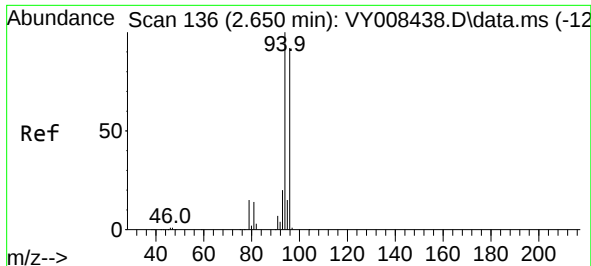
Tgt Ion:168 Resp: 5630
Ion Ratio Lower Upper
168 100
99 50.1 46.9 70.3



#3
Chloromethane
Concen: 1.864 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

Tgt Ion: 50 Resp: 150
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

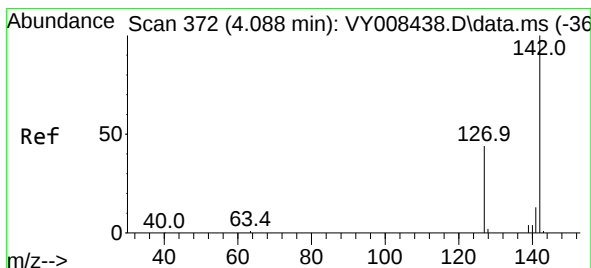
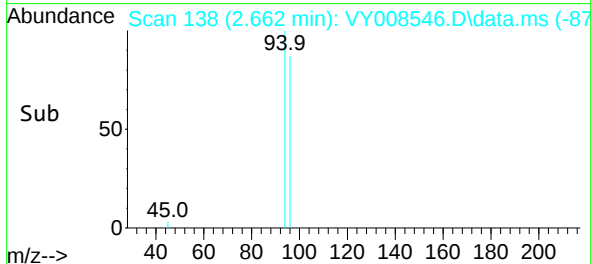
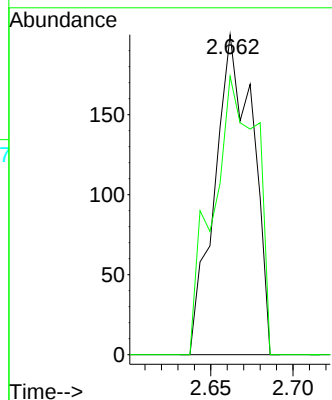
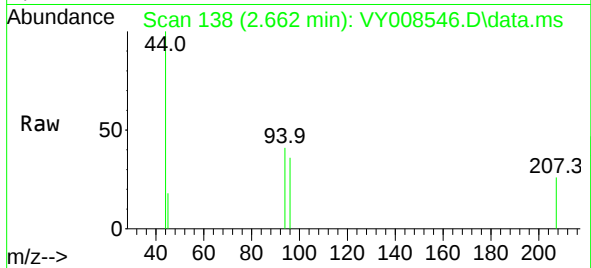




#5
Bromomethane
Concen: 3.313 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

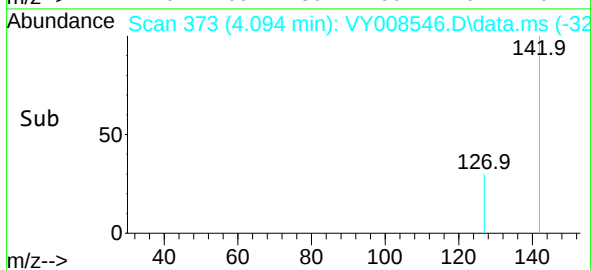
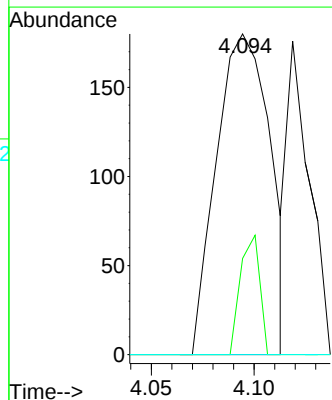
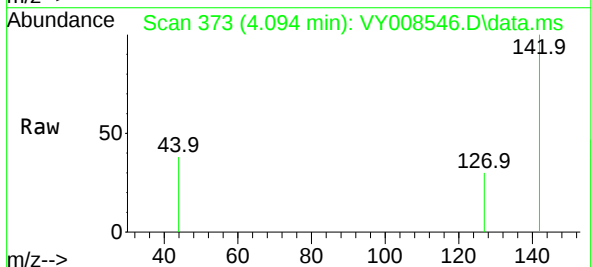
Instrument :
MSVOA_Y
ClientSampleId :
MH-1

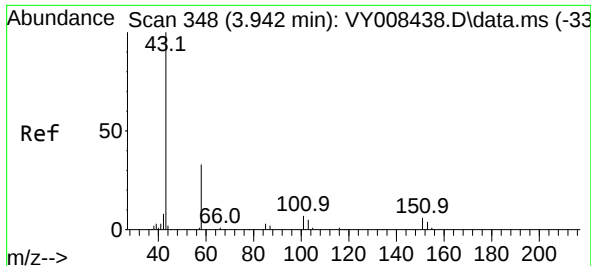
Tgt Ion: 94 Resp: 322
Ion Ratio Lower Upper
94 100
96 87.0 73.5 110.3



#10
Methyl Iodide
Concen: 5.435 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

Tgt Ion: 142 Resp: 329
Ion Ratio Lower Upper
142 100
127 13.4 41.5 62.3#
141 0.0 11.9 17.9#





#16

Acetone

Concen: 23.462 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

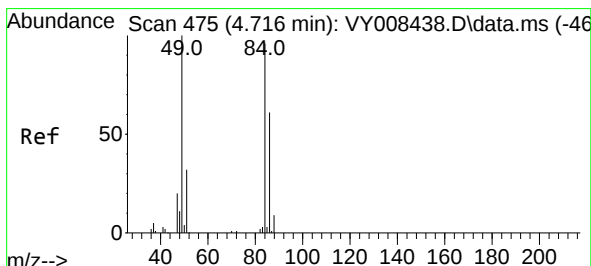
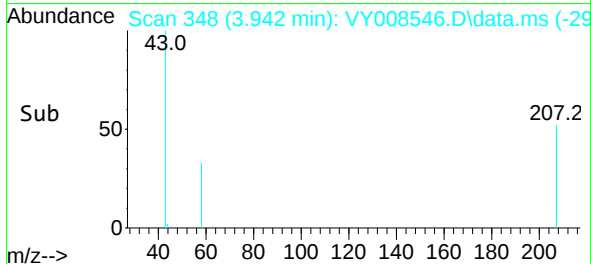
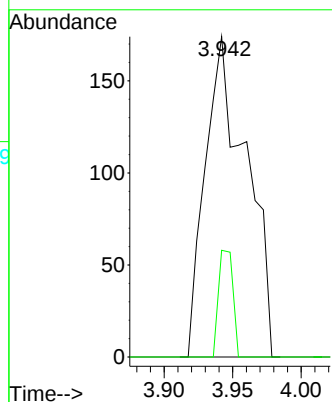
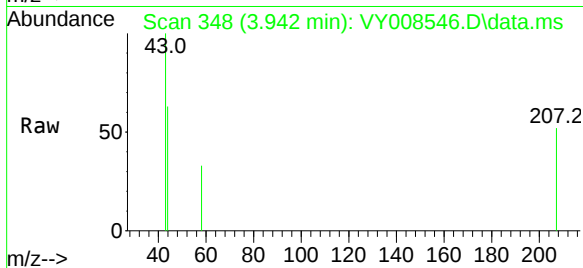
MH-1

Tgt Ion: 43 Resp: 362

Ion Ratio Lower Upper

43 100

58 33.3 22.0 33.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

Tgt Ion: 84 Resp: 398

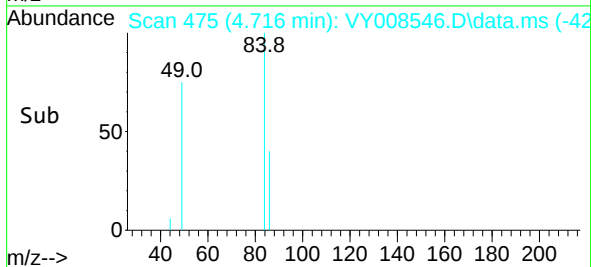
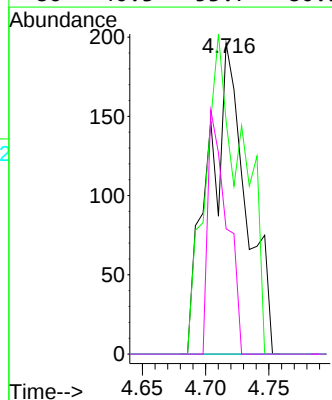
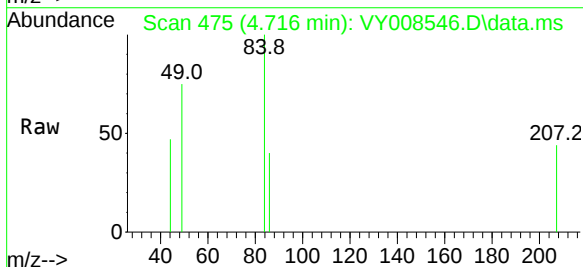
Ion Ratio Lower Upper

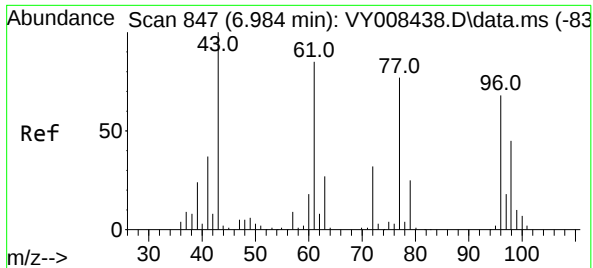
84 100

49 75.0 114.4 171.6#

51 0.0 35.3 52.9#

86 40.3 53.7 80.5#





#25

2-Butanone

Concen: 1.969 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

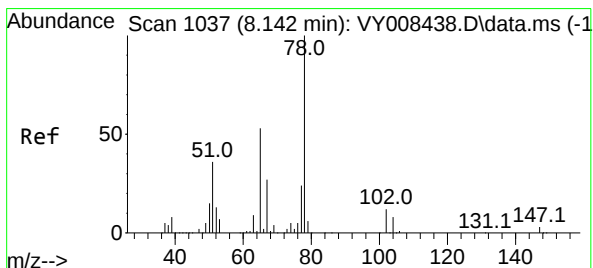
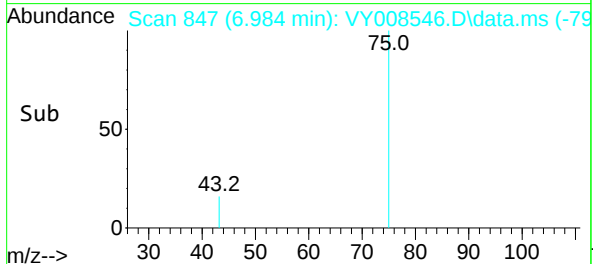
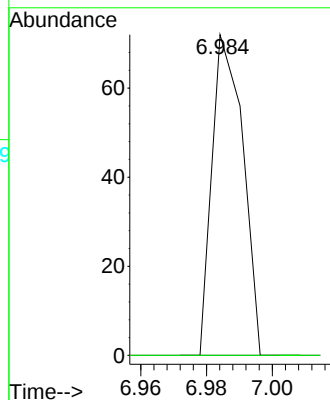
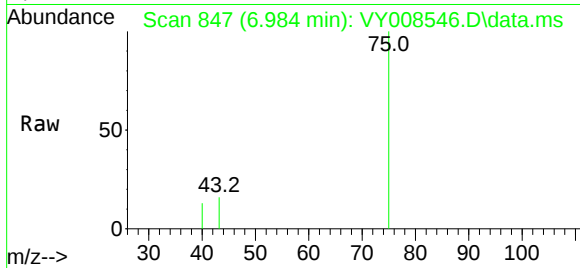
MH-1

Tgt Ion: 43 Resp: 47

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#33

1,2-Dichloroethane-d4

Concen: 52.609 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008546.D

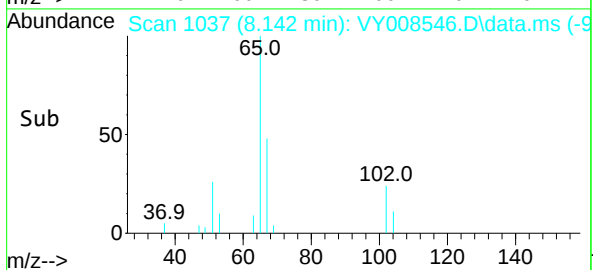
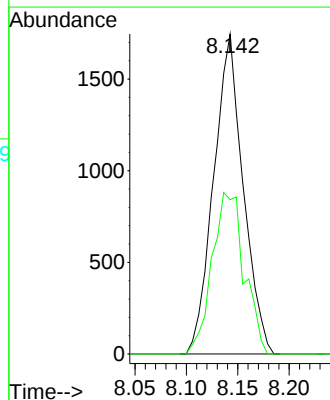
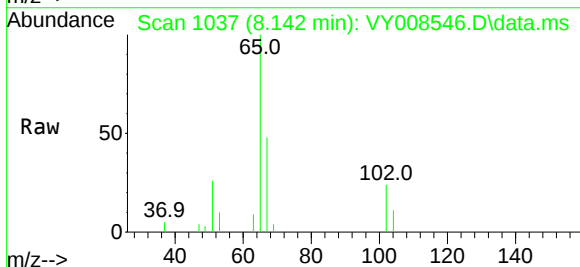
Acq: 28 Apr 2022 14:36

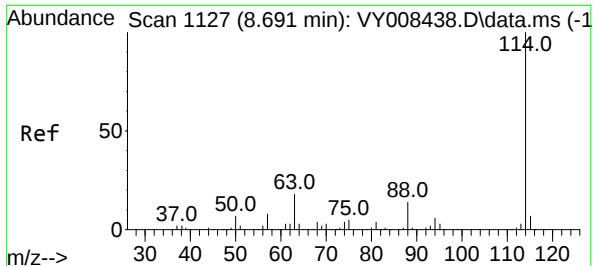
Tgt Ion: 65 Resp: 3485

Ion Ratio Lower Upper

65 100

67 55.0 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: VY008546.D

Acq: 28 Apr 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

MH-1

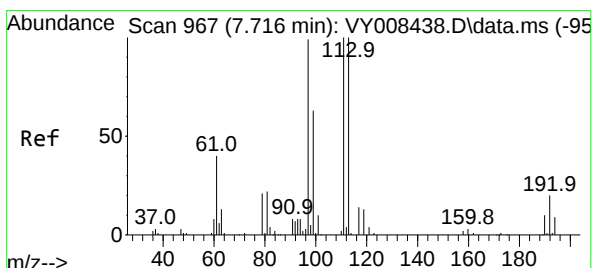
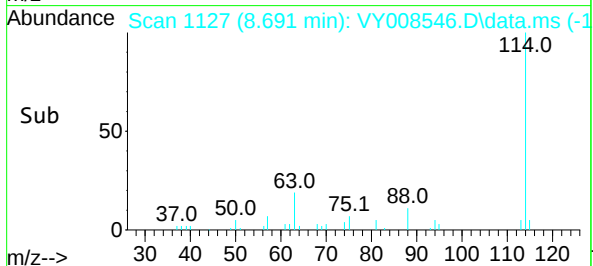
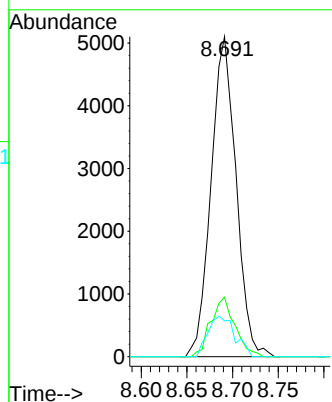
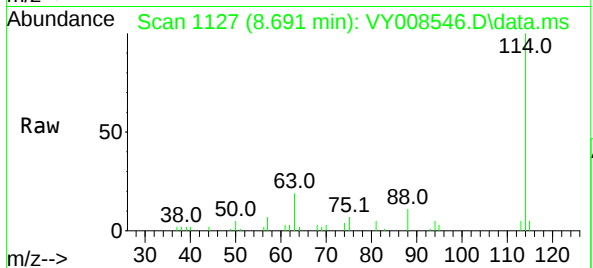
Tgt Ion:114 Resp: 9698

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 11.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.529 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

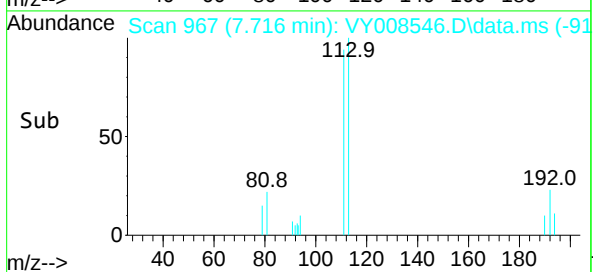
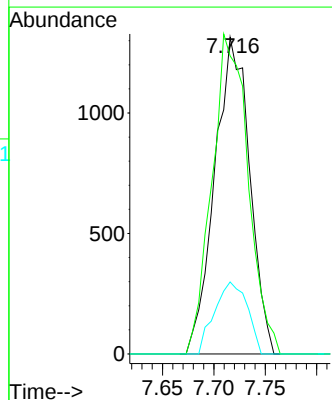
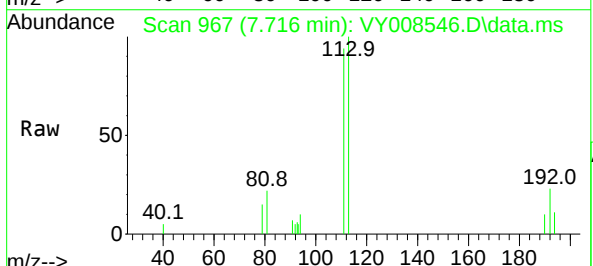
Tgt Ion:113 Resp: 3100

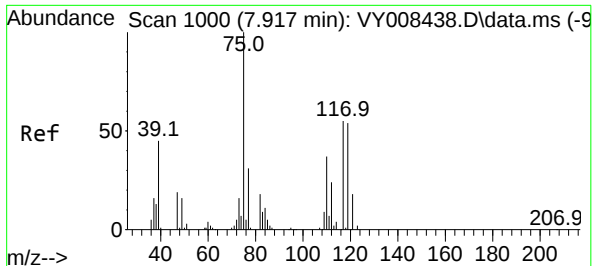
Ion Ratio Lower Upper

113 100

111 104.4 82.6 124.0

192 21.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.279 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

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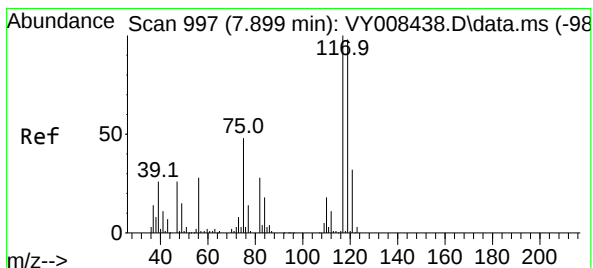
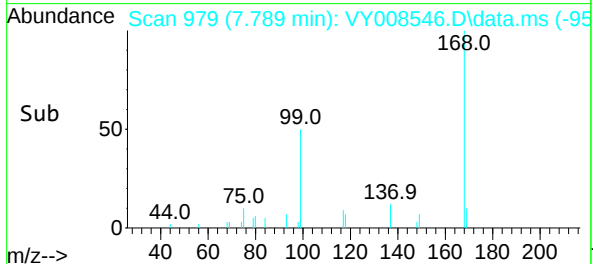
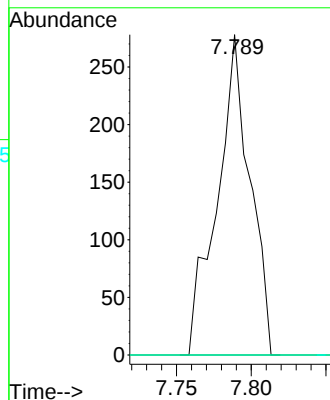
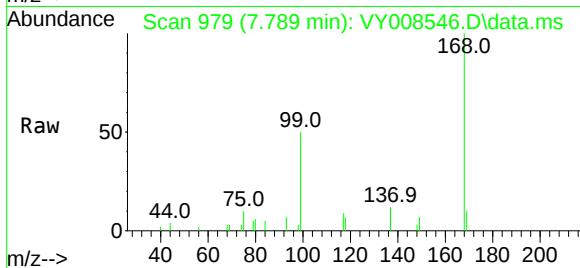
Tgt Ion: 75 Resp: 426

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.259 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

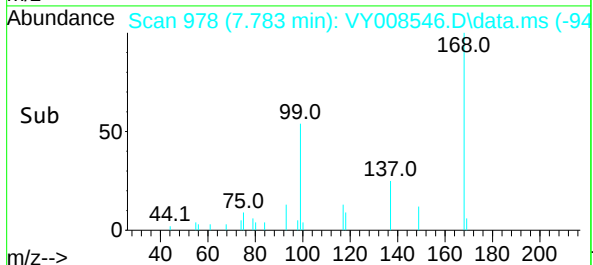
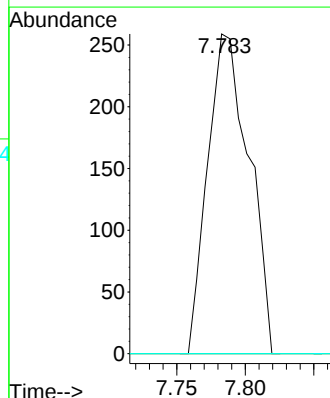
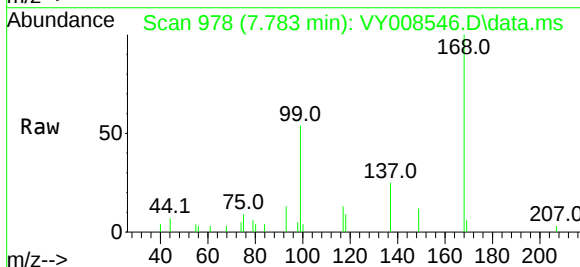
Tgt Ion: 117 Resp: 544

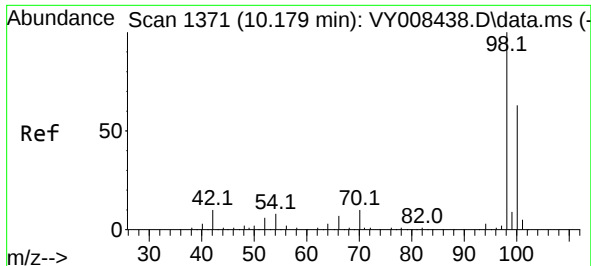
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

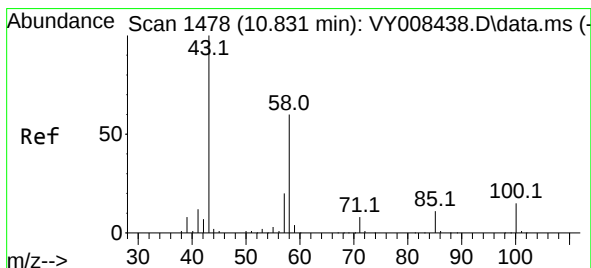
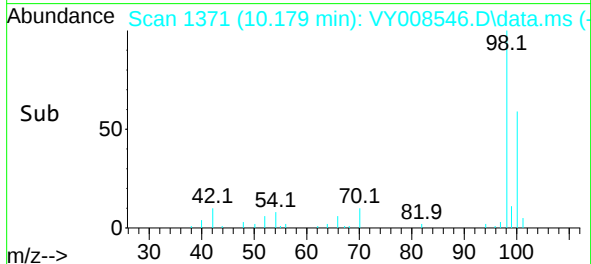
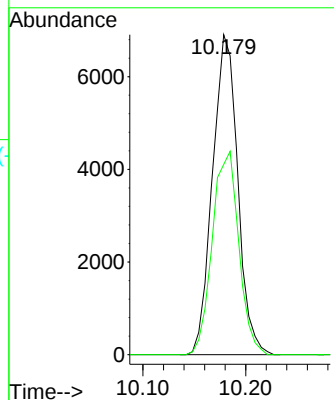
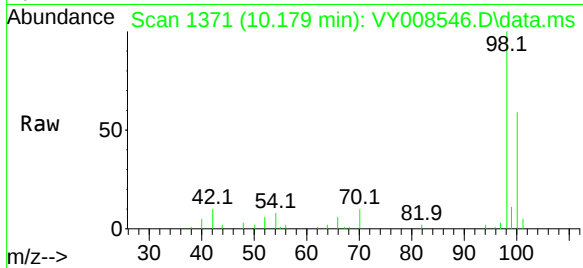




#50
Toluene-d8
Concen: 47.287 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

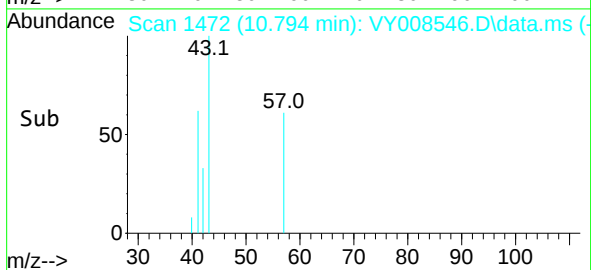
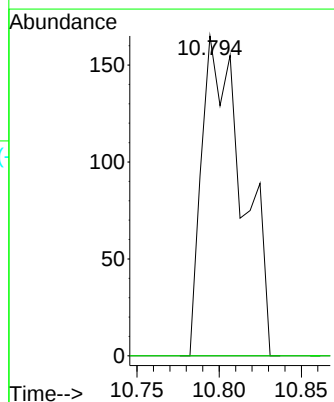
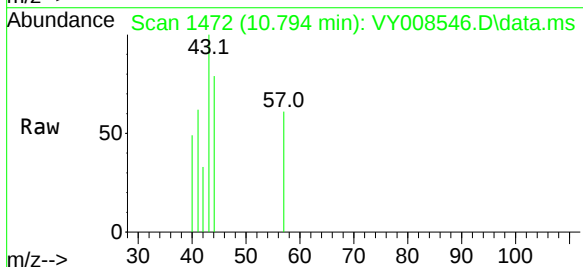
Instrument :
MSVOA_Y
ClientSampleId :
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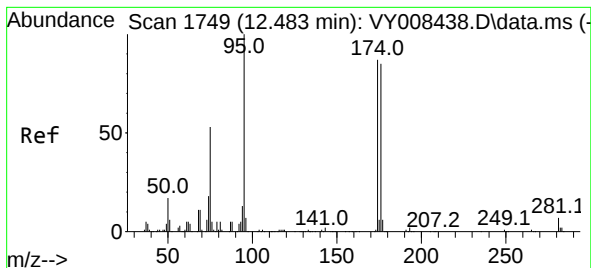
Tgt Ion: 98 Resp: 11764
Ion Ratio Lower Upper
98 100
100 66.6 50.2 75.2



#59
2-Hexanone
Concen: 7.747 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.037 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

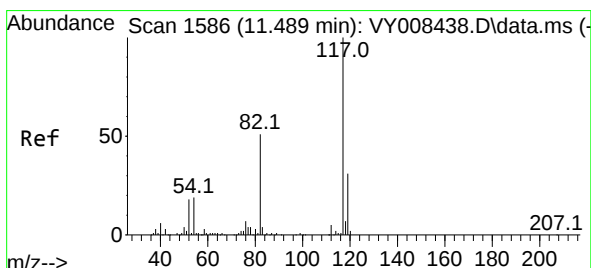
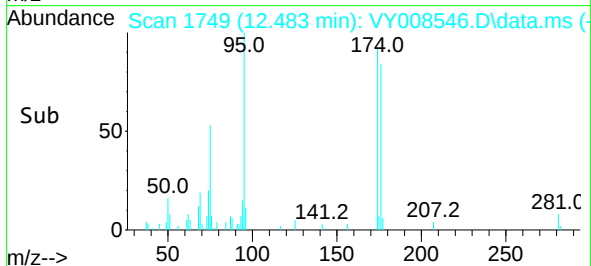
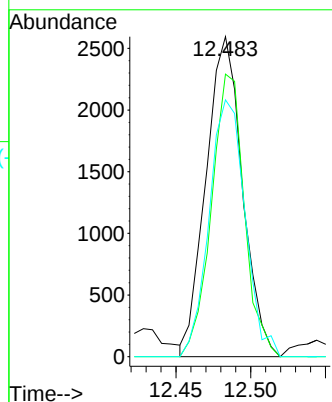
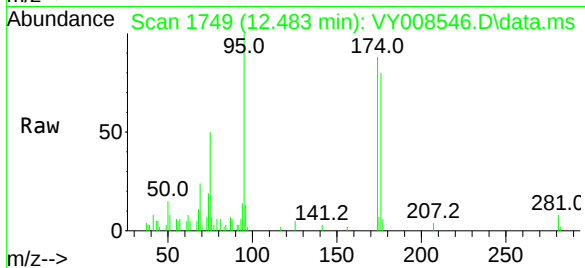




#62
4-Bromofluorobenzene
Concen: 52.018 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

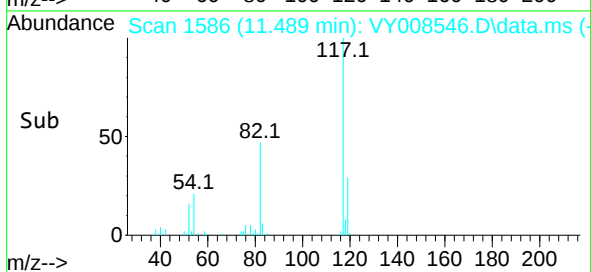
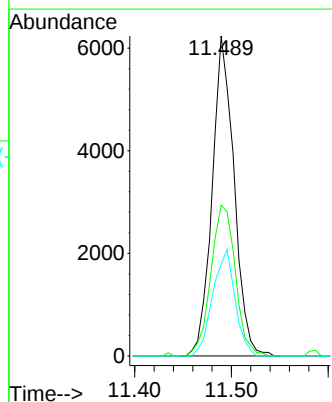
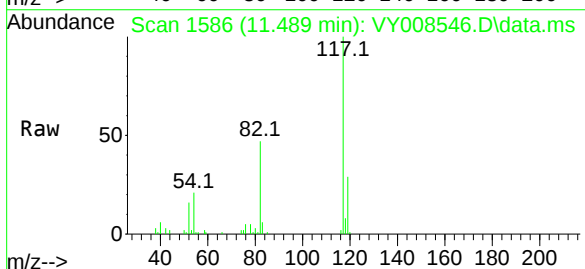
Instrument :
MSVOA_Y
ClientSampleId :
MH-1

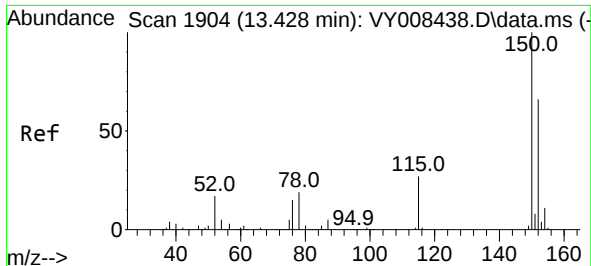
Tgt Ion: 95 Resp: 4384
Ion Ratio Lower Upper
95 100
174 79.9 0.0 177.0
176 79.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

Tgt Ion: 117 Resp: 9812
Ion Ratio Lower Upper
117 100
82 47.2 43.0 64.4
119 28.7 25.4 38.0

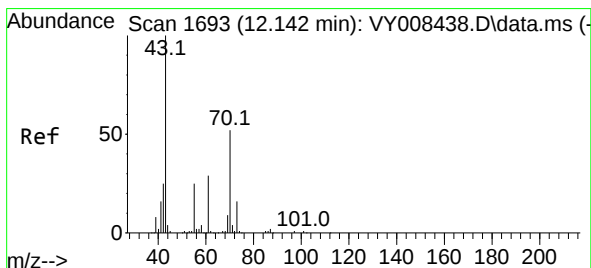
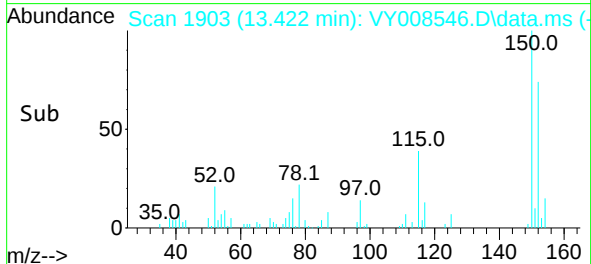
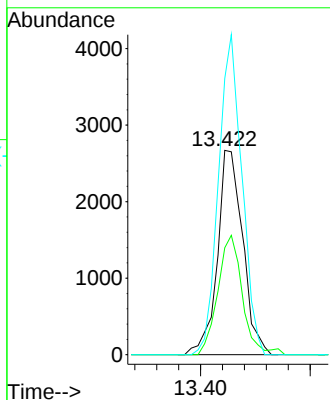
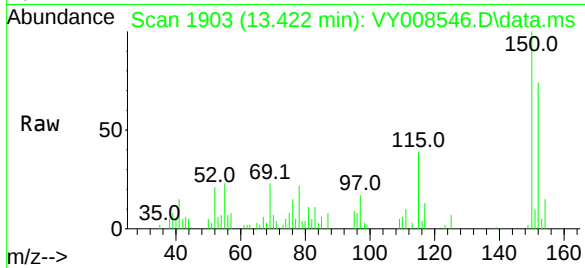




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

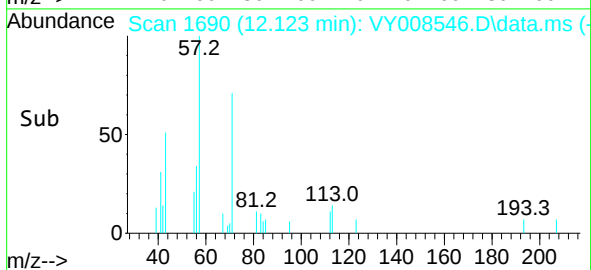
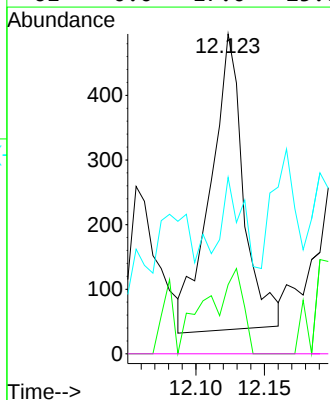
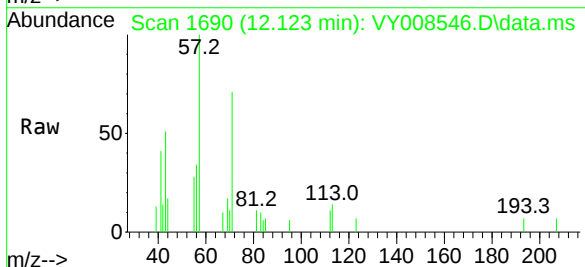
Instrument :
MSVOA_Y
ClientSampleId :
MH-1

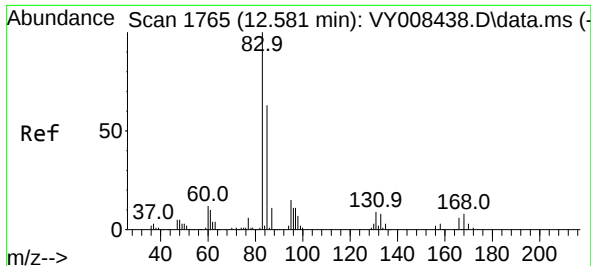
Tgt Ion:152 Resp: 4283
Ion Ratio Lower Upper
152 100
115 56.6 28.2 84.7
150 145.0 0.0 347.6



#74
N-ethyl acetate
Concen: 9.572 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
70 31.8 28.7 43.1
55 17.4 17.3 25.9
61 0.0 17.0 25.6#

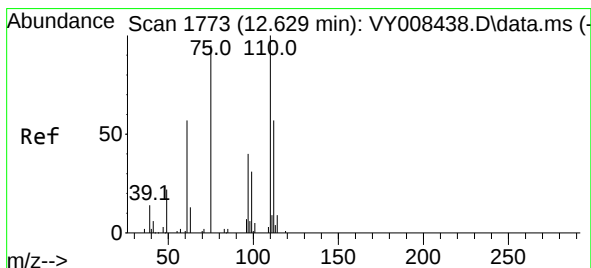
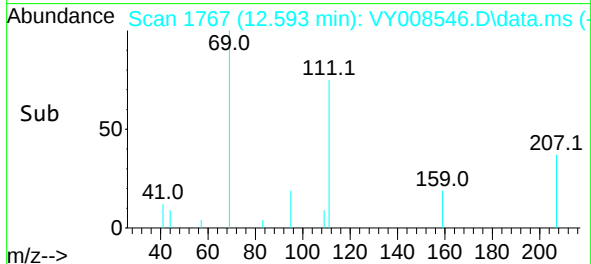
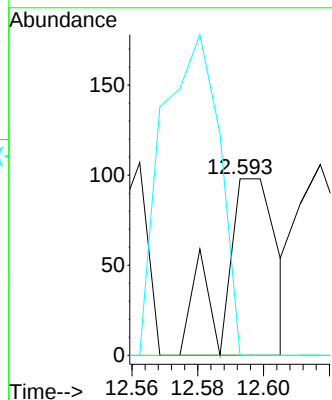
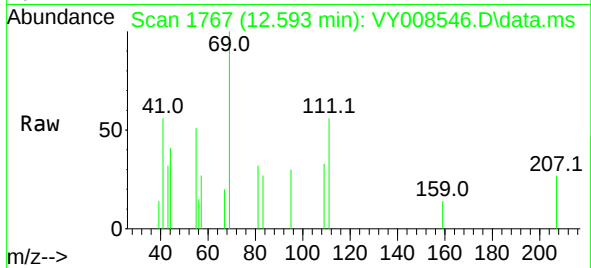




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.557 ug/l
 RT: 12.593 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VY008546.D
 Acq: 28 Apr 2022 14:36

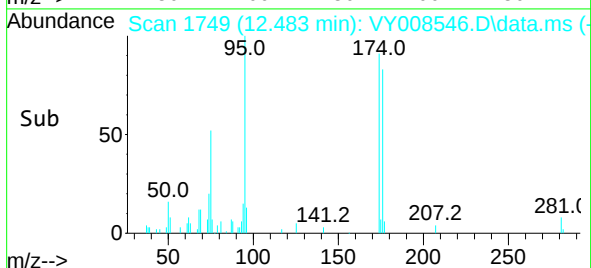
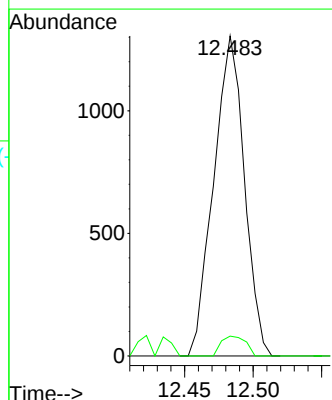
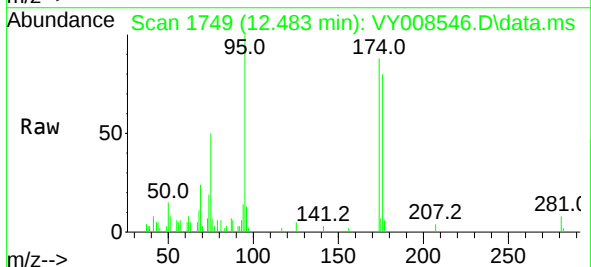
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-1

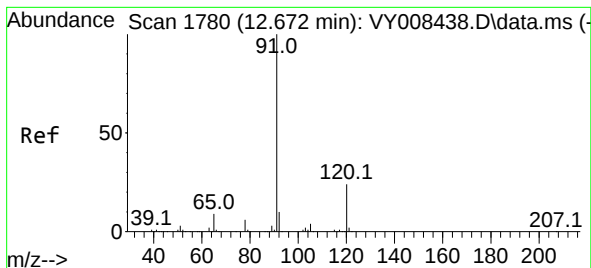
Tgt Ion: 83 Resp: 113
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.6 16.8#
 85 190.3 32.3 96.8#



#76
 1,2,3-Trichloropropane
 Concen: 36.659 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008546.D
 Acq: 28 Apr 2022 14:36

Tgt Ion: 75 Resp: 2032
 Ion Ratio Lower Upper
 75 100
 77 5.0 0.0 0.0#





#78

n-propylbenzene

Concen: 1.404 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

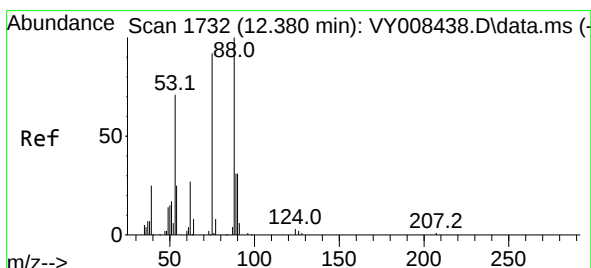
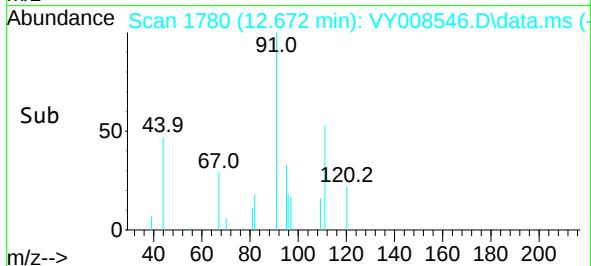
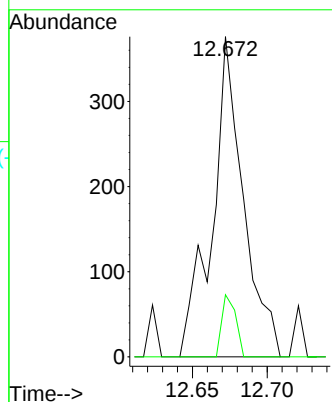
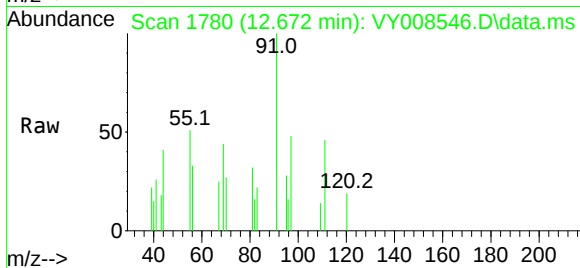
MH-1

Tgt Ion: 91 Resp: 547

Ion Ratio Lower Upper

91 100

120 8.6 11.3 33.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.046 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

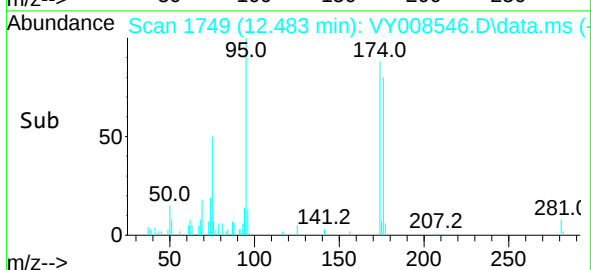
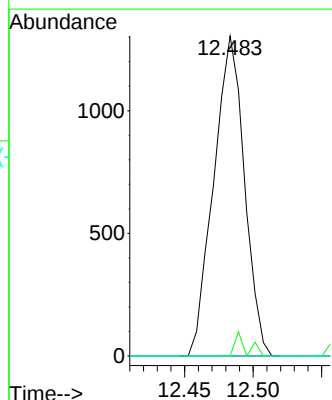
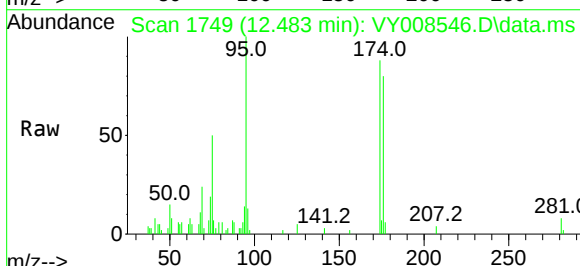
Tgt Ion: 75 Resp: 2032

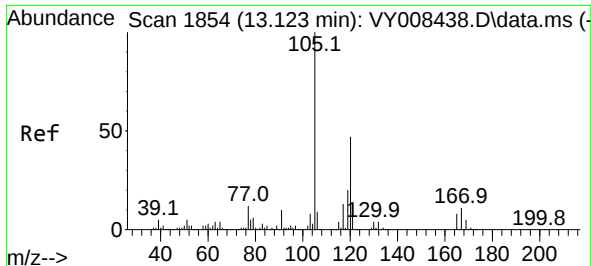
Ion Ratio Lower Upper

75 100

53 2.8 85.3 127.9#

89 0.0 37.0 55.4#

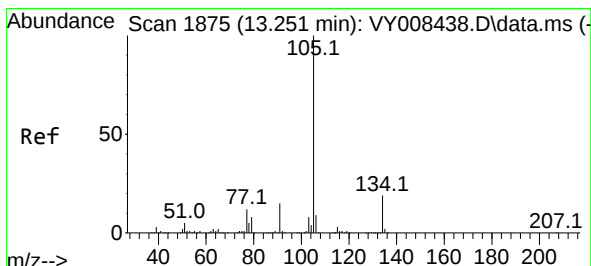
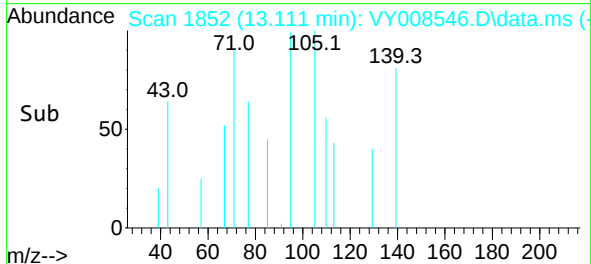
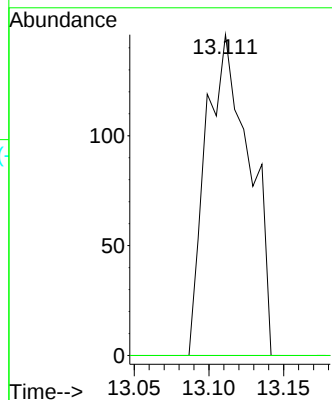
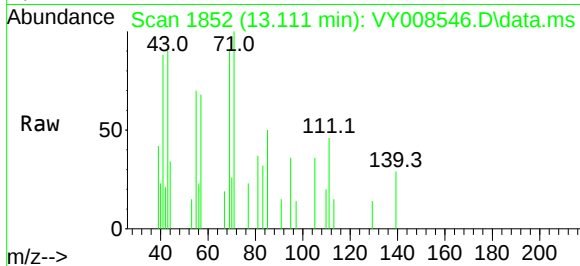




#84
1,2,4-Trimethylbenzene
Concen: 1.103 ug/l
RT: 13.111 min Scan# 1852
Delta R.T. -0.012 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

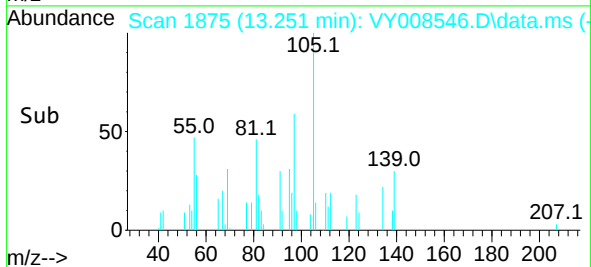
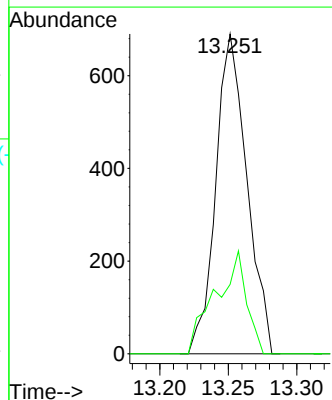
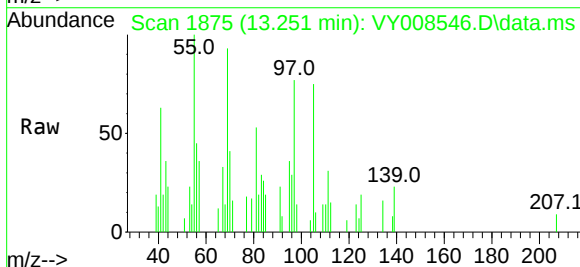
Instrument :
MSVOA_Y
ClientSampleId :
MH-1

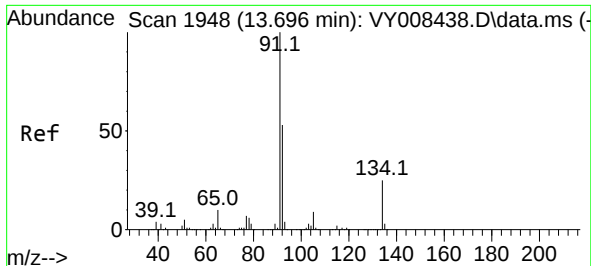
Tgt Ion:105 Resp: 295
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.9#



#85
sec-Butylbenzene
Concen: 3.087 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

Tgt Ion:105 Resp: 1090
Ion Ratio Lower Upper
105 100
134 32.3 10.2 30.4#

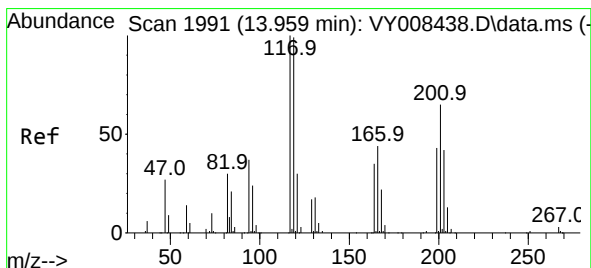
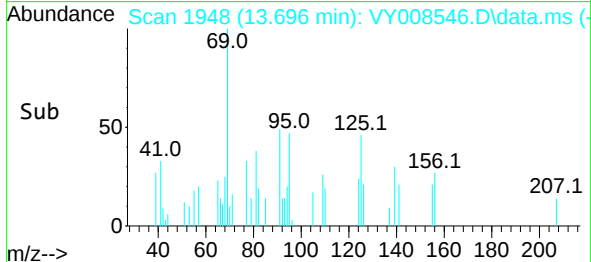
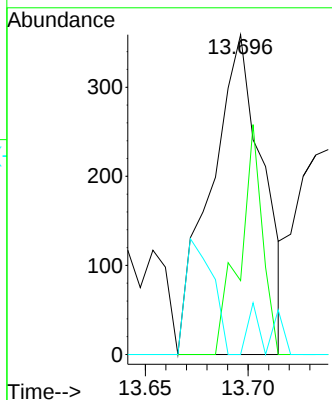
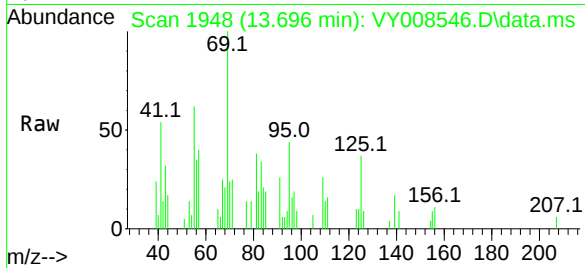




#89
n-Butylbenzene
Concen: 2.355 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

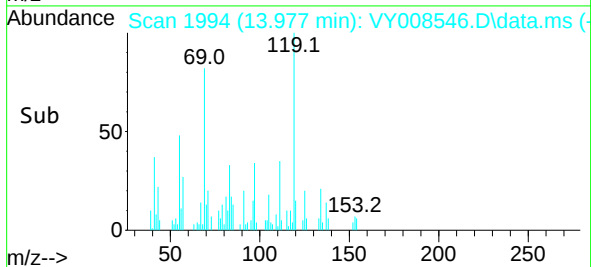
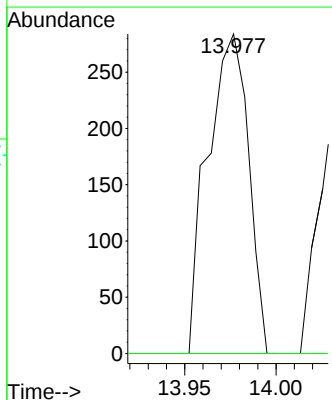
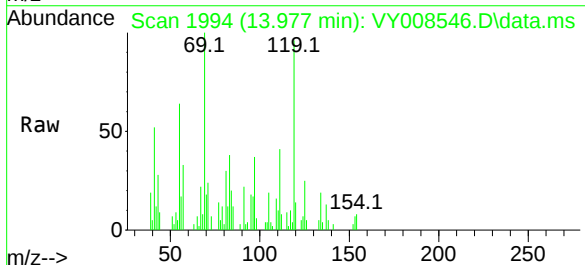
Instrument :
MSVOA_Y
ClientSampleId :
MH-1

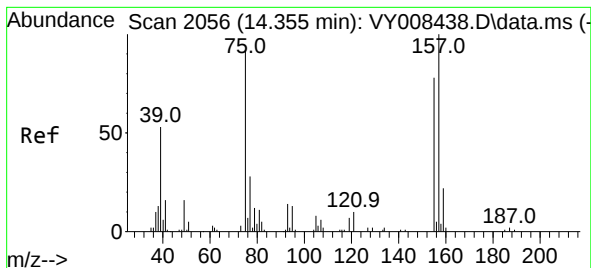
Tgt Ion: 91 Resp: 632
Ion Ratio Lower Upper
91 100
92 31.3 26.3 78.9
134 6.2 13.0 38.9#



#90
Hexachloroethane
Concen: 8.313 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY008546.D
Acq: 28 Apr 2022 14:36

Tgt Ion: 117 Resp: 442
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

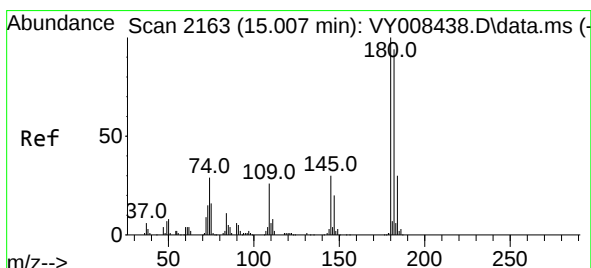
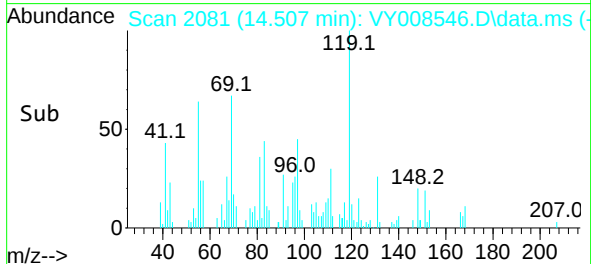
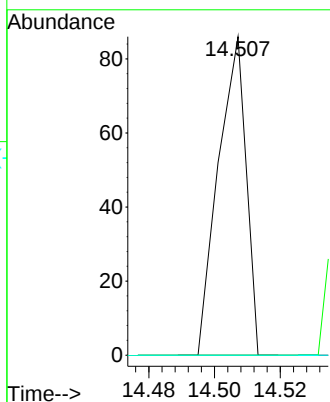
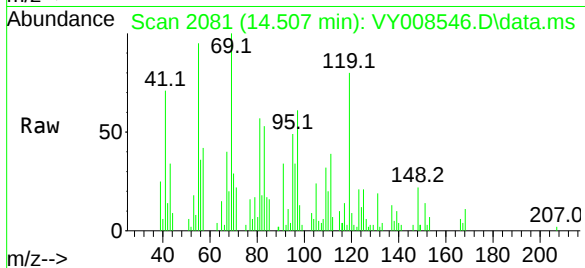




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.586 ug/l
 RT: 14.507 min Scan# 2056
 Delta R.T. 0.152 min
 Lab File: VY008546.D
 Acq: 28 Apr 2022 14:36

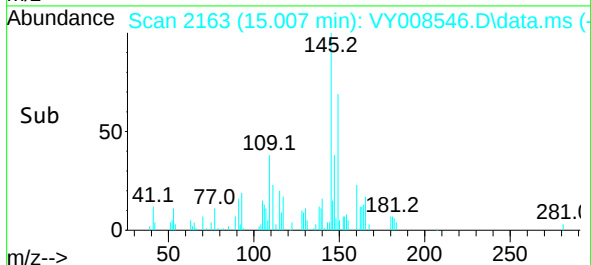
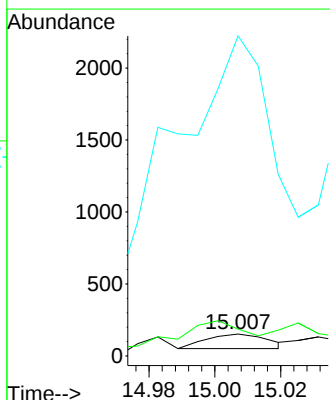
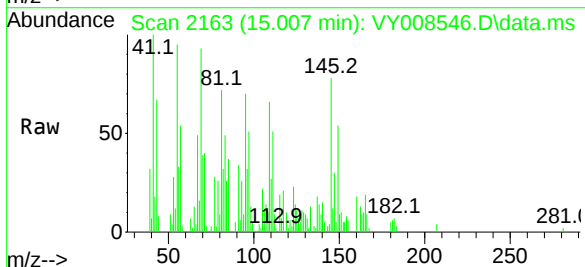
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-1

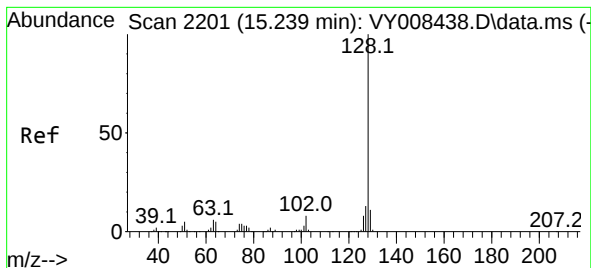
Tgt Ion: 75 Resp: 50
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.0 113.9#
 157 0.0 47.8 143.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.669 ug/l
 RT: 15.007 min Scan# 2163
 Delta R.T. 0.000 min
 Lab File: VY008546.D
 Acq: 28 Apr 2022 14:36

Tgt Ion: 180 Resp: 131
 Ion Ratio Lower Upper
 180 100
 182 186.3 47.3 141.9#
 145 3993.1 14.6 43.8#





#95

Naphthalene

Concen: 2.125 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

Instrument :

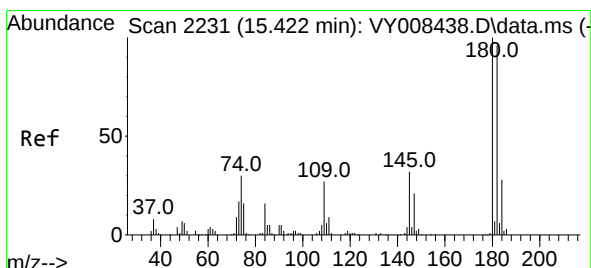
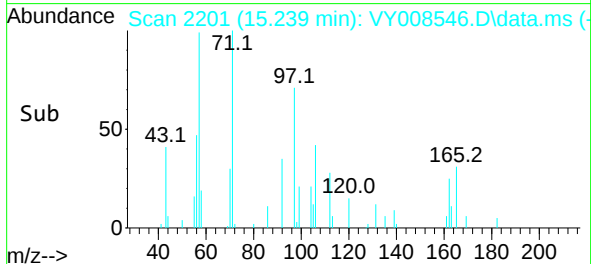
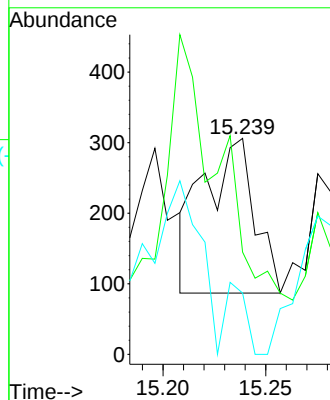
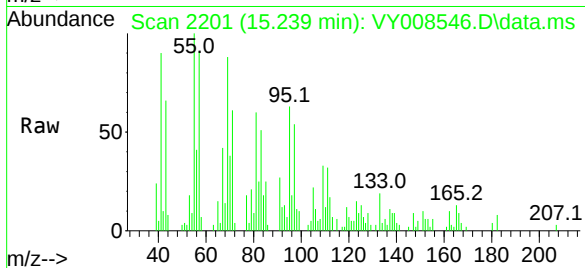
MSVOA_Y

ClientSampleId :

MH-1

Tgt Ion:128 Resp: 378

Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#



#96

1,2,3-Trichlorobenzene

Concen: 7.570 ug/l

RT: 15.440 min Scan# 2234

Delta R.T. 0.018 min

Lab File: VY008546.D

Acq: 28 Apr 2022 14:36

Tgt Ion:180 Resp: 520

Ion	Ratio	Lower	Upper
180	100		
182	13.5	47.3	141.9#
145	0.0	15.3	45.9#

