

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031720\
 Data File : VY001999.D
 Acq On : 17 Mar 2020 17:33
 Operator : SY/MD
 Sample : L1958-04
 Misc : 7.82G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-03-1.5-2.5

Quant Time: Mar 17 17:58:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	132482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	255848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	209510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	61495	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	79714	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	
35) Dibromofluoromethane	7.74	113	74709	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
50) Toluene-d8	10.19	98	306250	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.49	95	84055	41.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.06%	

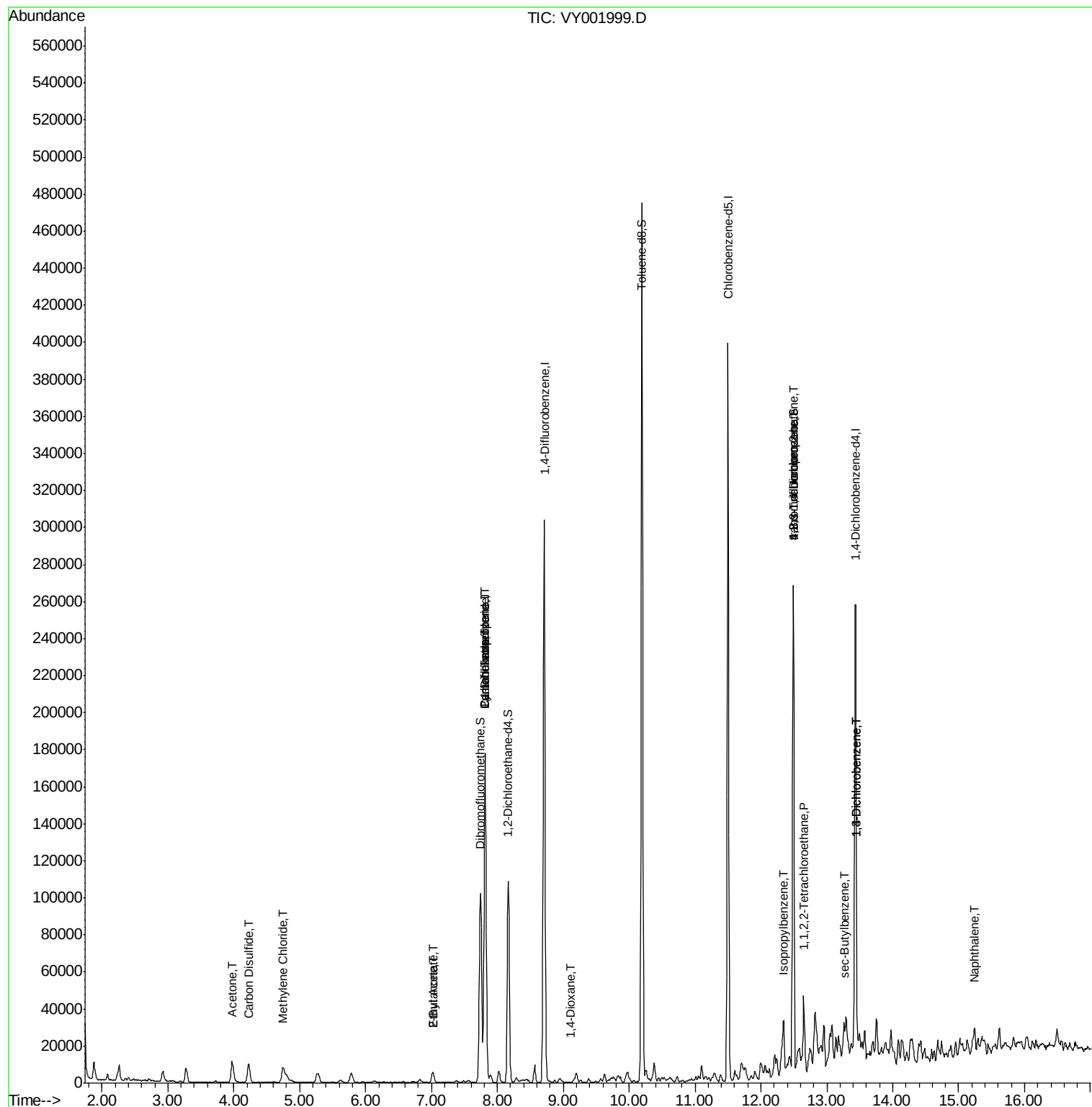
Target Compounds			Qvalue			
5) Bromomethane	2.82	94	20	Below Cal	#	4
11) Tert butyl alcohol	5.00	59	30	Below Cal	#	74
16) Acetone	3.97	43	20747	50.36	ug/l	96
17) Carbon Disulfide	4.22	76	19915	4.02	ug/l	96
20) Methylene Chloride	4.74	84	5546	3.14	ug/l	90
25) 2-Butanone	7.02	43	7527	12.02	ug/l	95
31) Cyclohexane	7.81	56	4223	1.36	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	10922	4.44	ug/l #	44
37) Ethyl Acetate	7.02	43	7527	5.26	ug/l #	84
38) Carbon Tetrachloride	7.82	117	13760	6.54	ug/l #	16
49) 1,4-Dioxane	9.11	88	20	1.54	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.74	63	22	Below Cal	#	48
73) Isopropylbenzene	12.34	105	4849	1.03	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.65	83	3378	3.34	ug/l #	51
76) 1,2,3-Trichloropropane	12.49	75	41437	56.79	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	41437	114.71	ug/l #	17
85) sec-Butylbenzene	13.26	105	6353	1.34	ug/l #	75
87) 1,3-Dichlorobenzene	13.45	146	5730	2.94	ug/l #	81
88) 1,4-Dichlorobenzene	13.45	146	5730	2.90	ug/l #	79
95) Naphthalene	15.25	128	9361	3.44	ug/l #	88

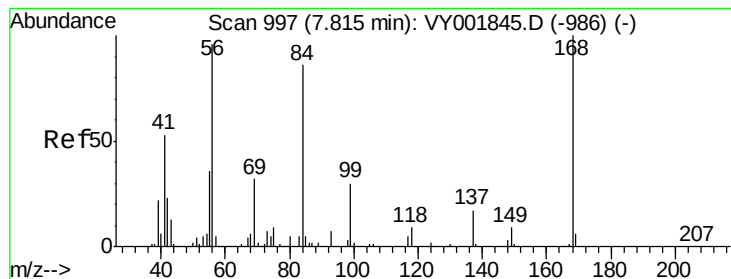
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001999.D

Acq: 17 Mar 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

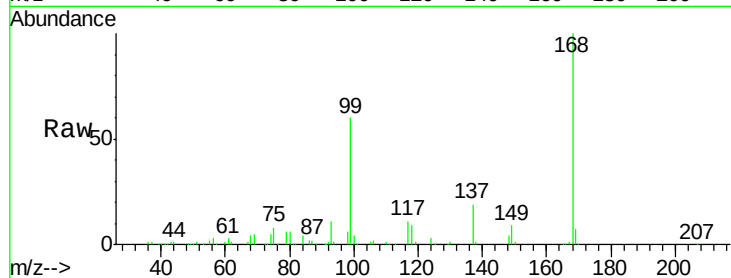
GHD1-SB-03-1.5-2.5

Tgt Ion:168 Resp: 132482

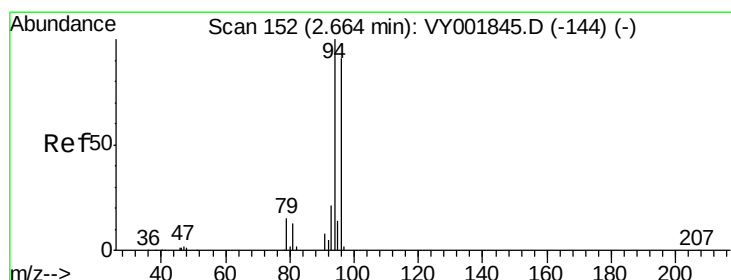
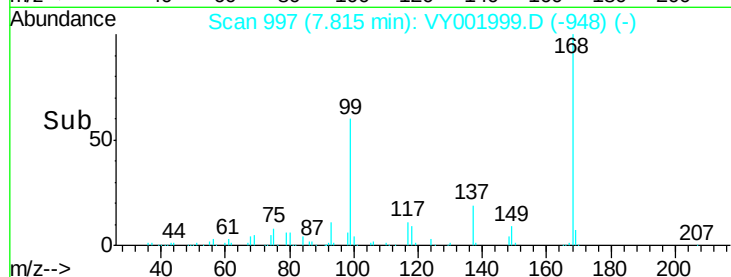
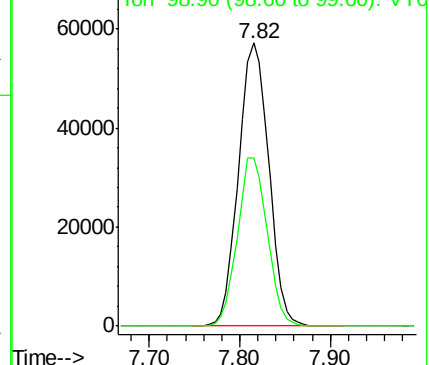
Ion Ratio Lower Upper

168 100

99 59.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001999.D (-948) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.82 min Scan# 177

Delta R.T. 0.15 min

Lab File: VY001999.D

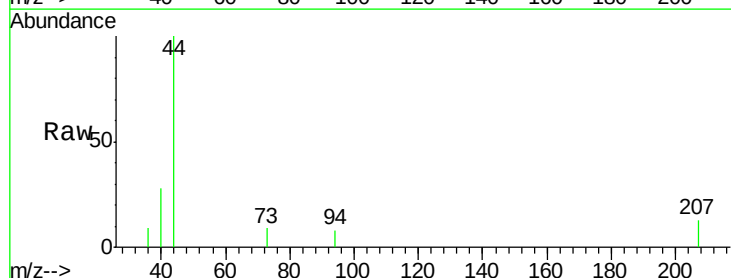
Acq: 17 Mar 2020 17:33

Tgt Ion: 94 Resp: 20

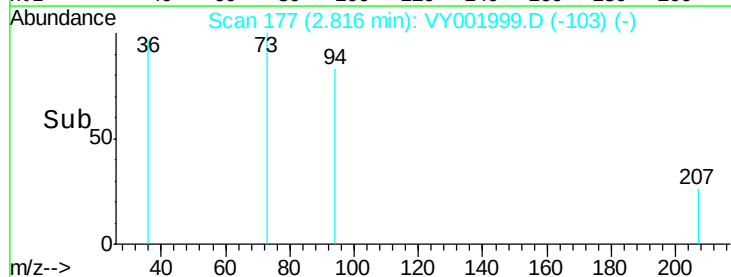
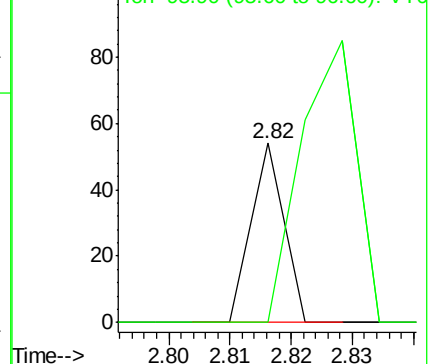
Ion Ratio Lower Upper

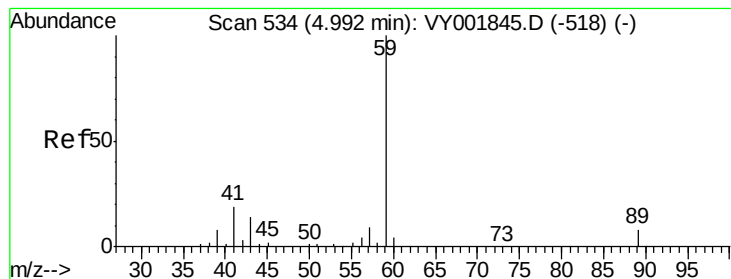
94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001999.D (-103) (-)



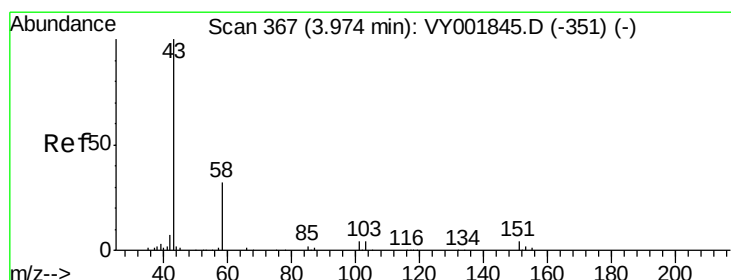
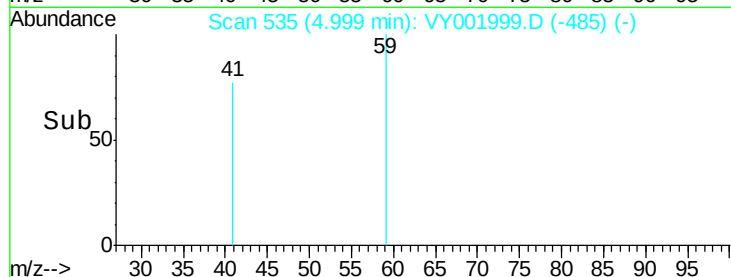
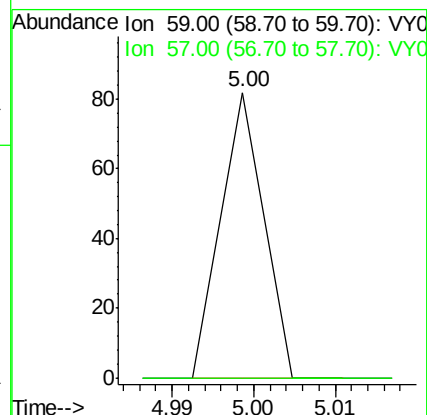
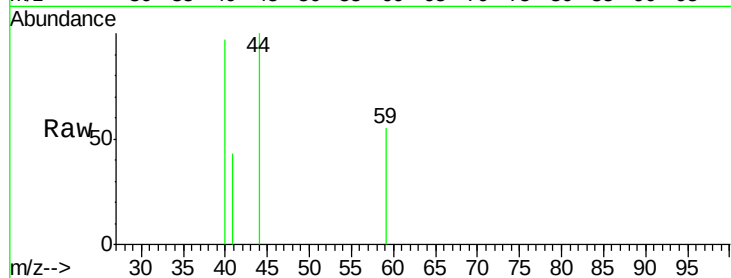


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.00 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-03-1.5-2.5

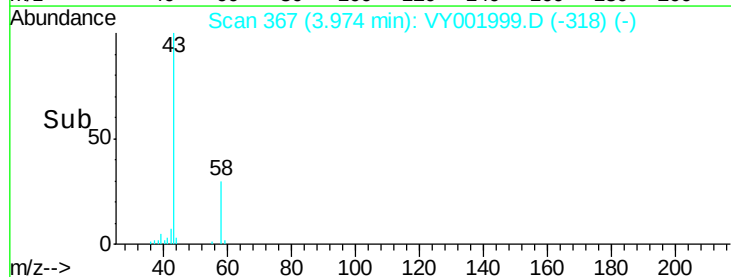
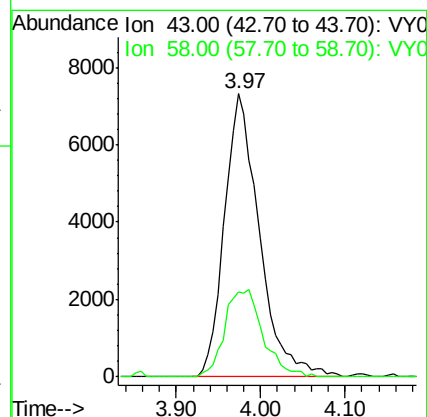
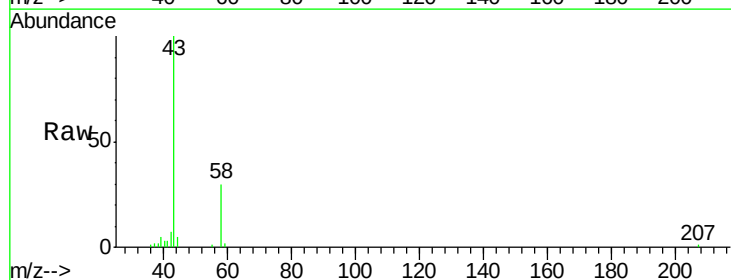
Tgt Ion: 59 Resp: 30
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

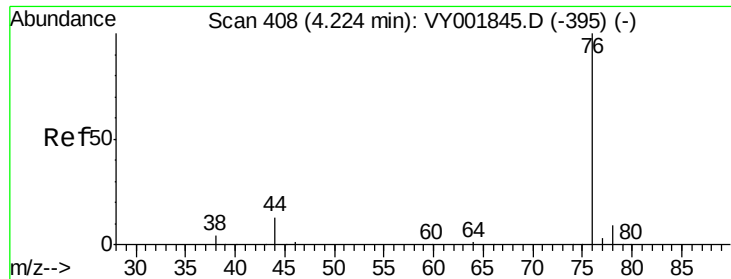


#16

Acetone
 Concen: 50.36 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

Tgt Ion: 43 Resp: 20747
 Ion Ratio Lower Upper
 43 100
 58 30.2 25.9 38.9





#17

Carbon Disulfide

Concen: 4.02 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.00 min

Lab File: VY001999.D

Acq: 17 Mar 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

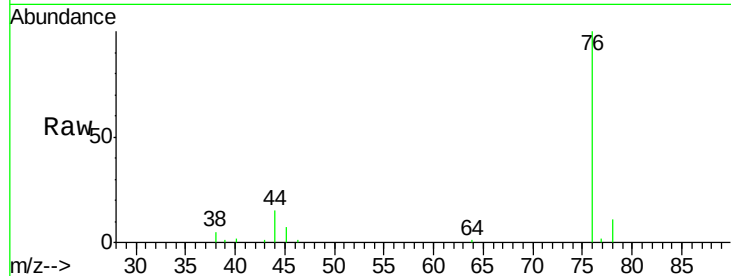
GHD1-SB-03-1.5-2.5

Tgt Ion: 76 Resp: 19915

Ion Ratio Lower Upper

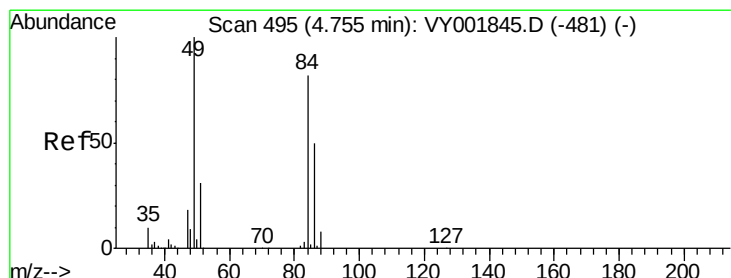
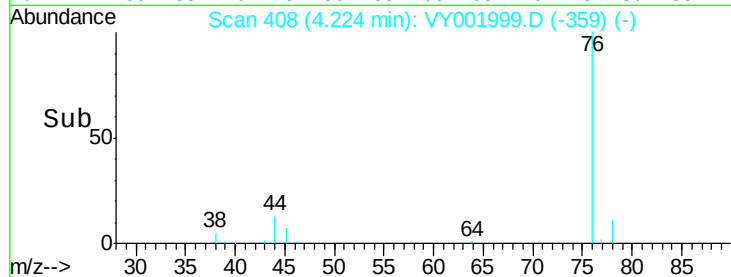
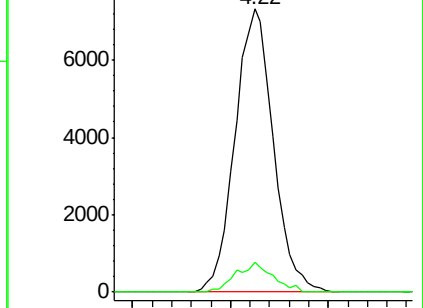
76 100

78 10.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY001999.D (-359) (-)

Ion 77.90 (77.60 to 78.60): VY001999.D (-359) (-)



#20

Methylene Chloride

Concen: 3.14 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001999.D

Acq: 17 Mar 2020 17:33

Tgt Ion: 84 Resp: 5546

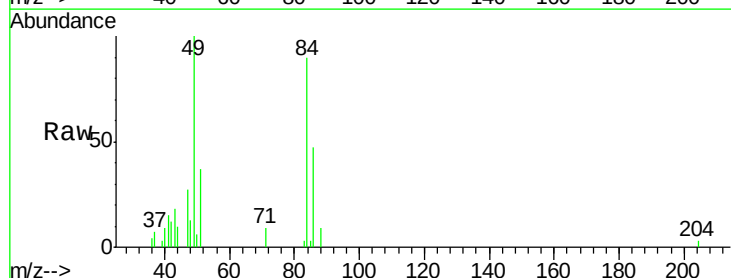
Ion Ratio Lower Upper

84 100

49 111.3 98.2 147.2

51 41.6 30.2 45.2

86 52.3 48.9 73.3

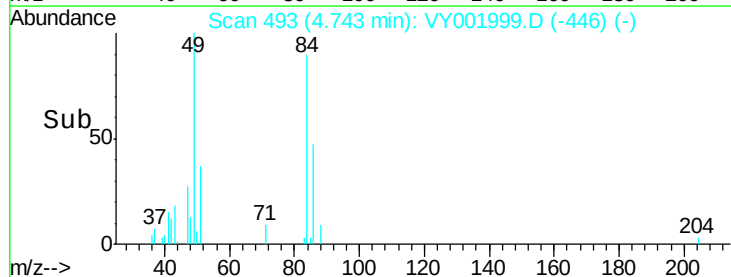
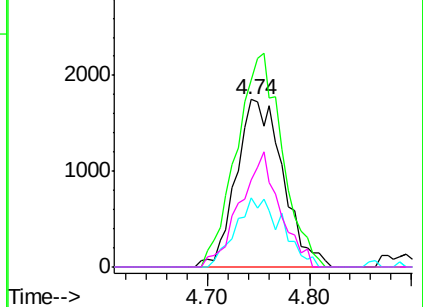


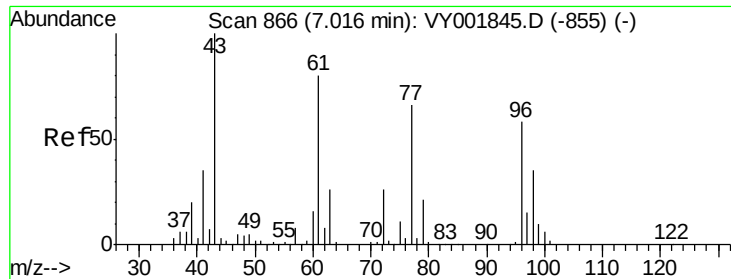
Abundance Ion 83.90 (83.60 to 84.60): VY001999.D (-446) (-)

Ion 48.90 (48.60 to 49.60): VY001999.D (-446) (-)

Ion 50.90 (50.60 to 51.60): VY001999.D (-446) (-)

Ion 85.90 (85.60 to 86.60): VY001999.D (-446) (-)

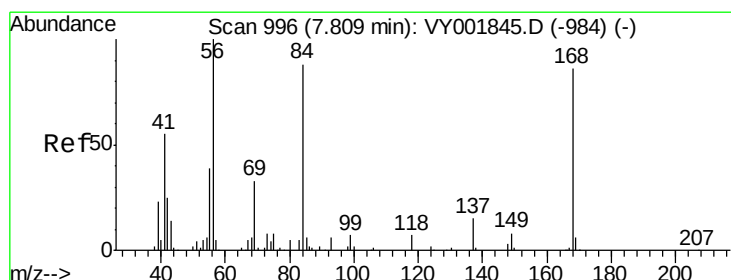
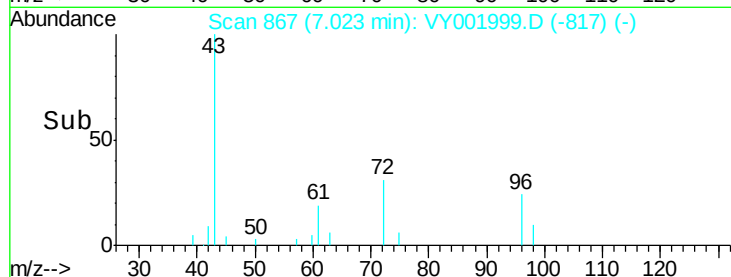
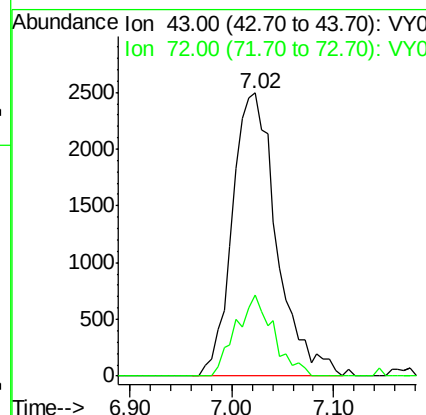
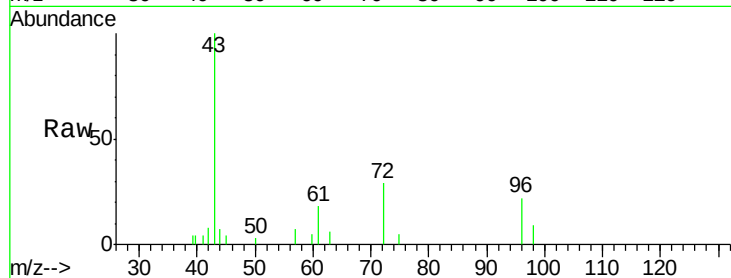




#25
2-Butanone
Concen: 12.02 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001999.D
Acq: 17 Mar 2020 17:33

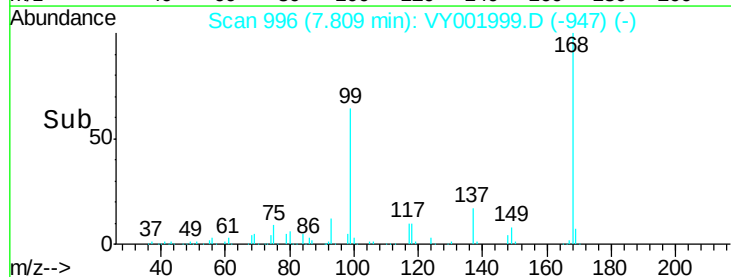
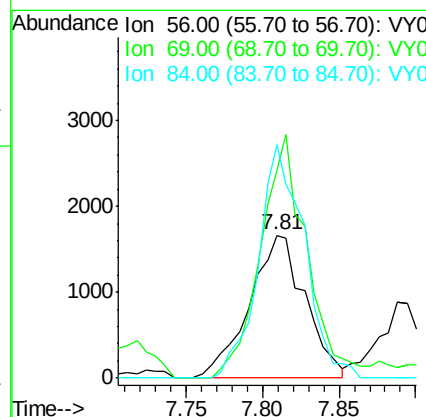
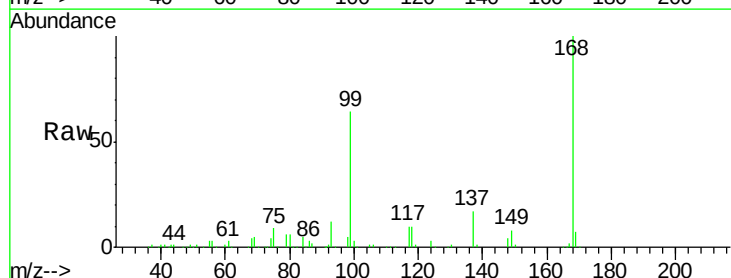
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-03-1.5-2.5

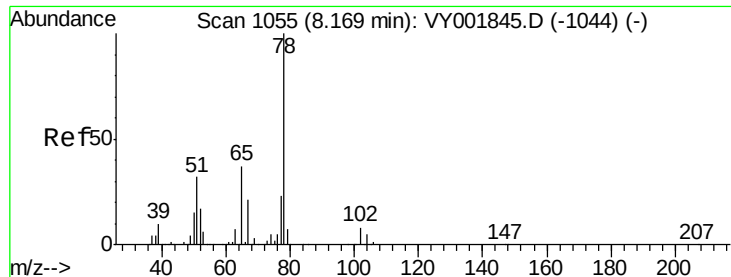
Tgt Ion: 43 Resp: 7527
Ion Ratio Lower Upper
43 100
72 28.6 20.9 31.3



#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001999.D
Acq: 17 Mar 2020 17:33

Tgt Ion: 56 Resp: 4223
Ion Ratio Lower Upper
56 100
69 145.0 26.7 40.1#
84 163.2 70.4 105.6#

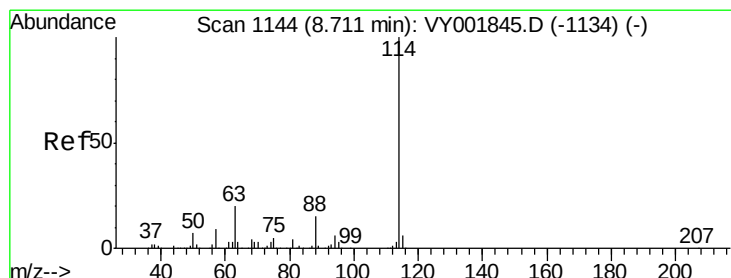
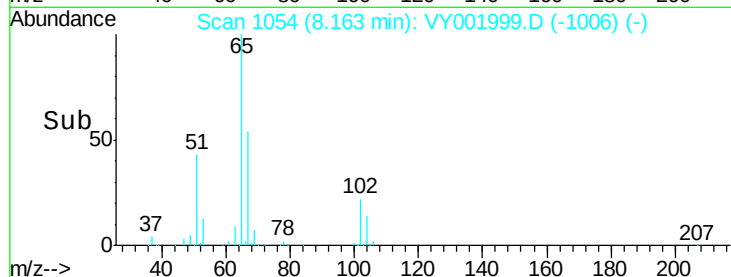
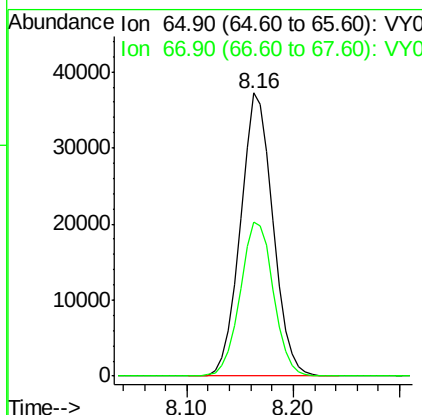
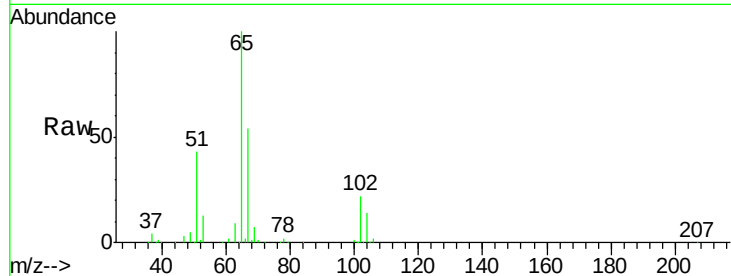




#33
 1,2-Dichloroethane-d4
 Concen: 56.36 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

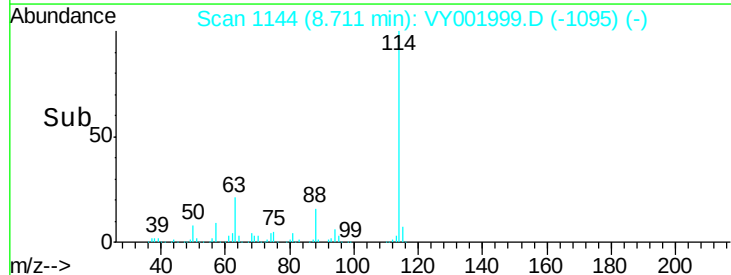
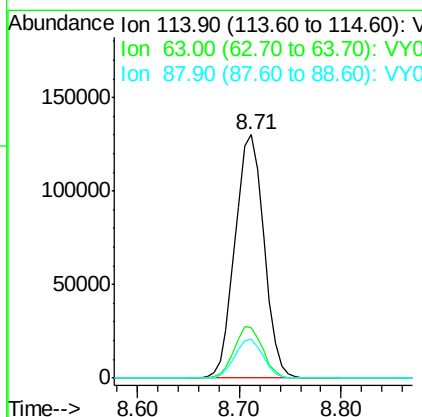
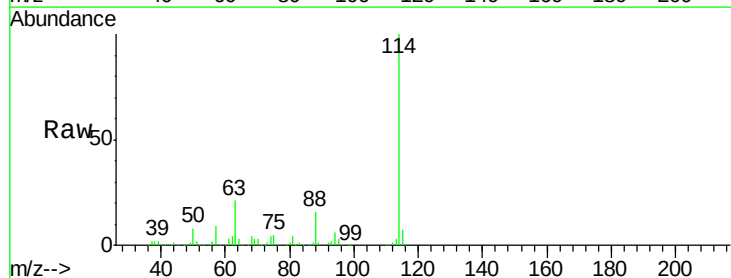
Instrument :
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 ClientSampleId :
 GHD1-SB-03-1.5-2.5

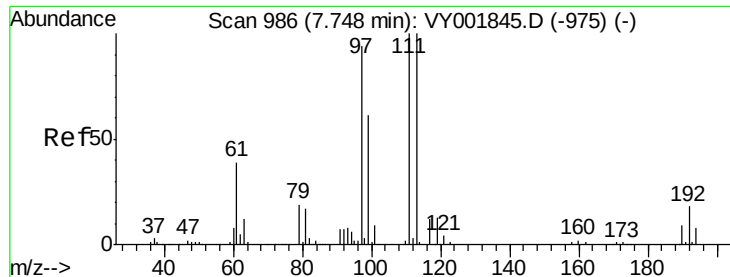
Tgt Ion: 65 Resp: 79714
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

Tgt Ion: 114 Resp: 255848
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.4
 88 15.9 0.0 30.4

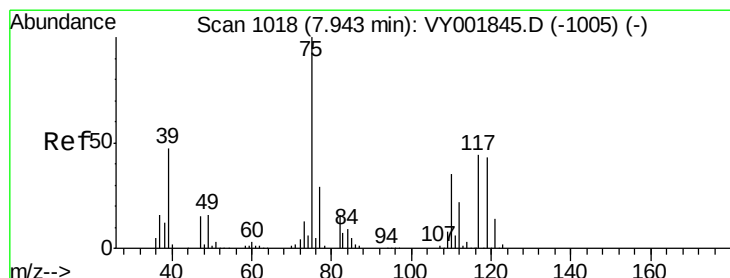
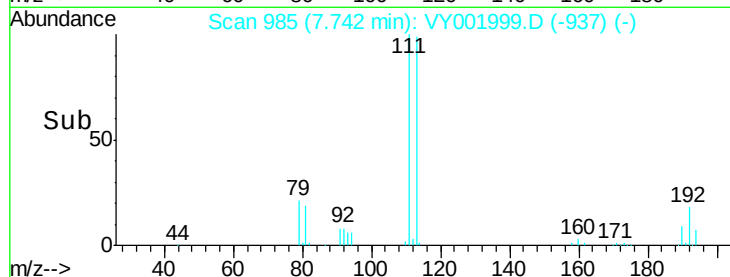
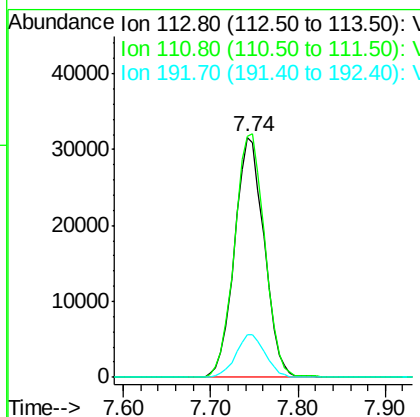
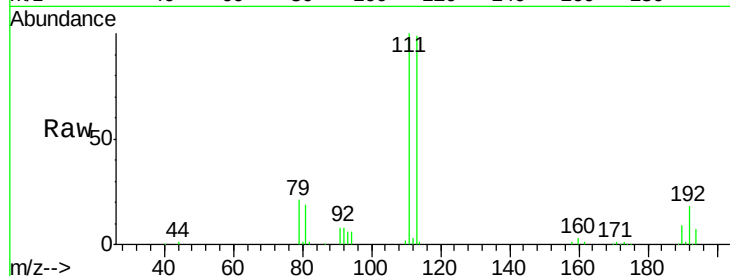




#35
 Dibromofluoromethane
 Concen: 53.48 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

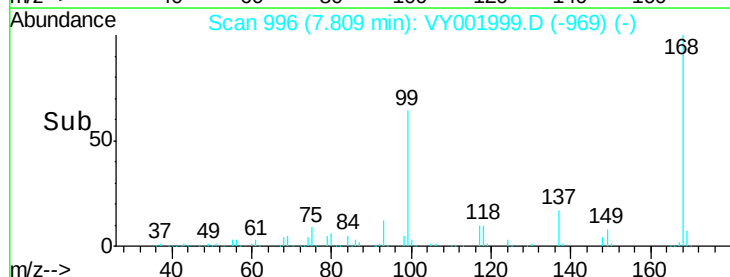
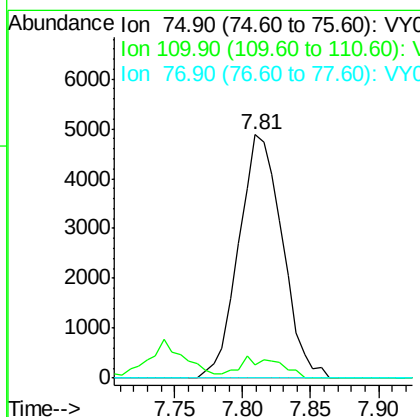
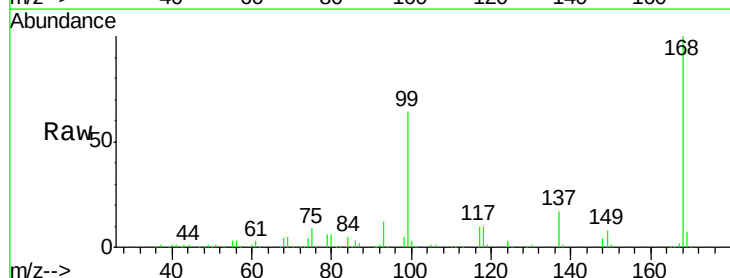
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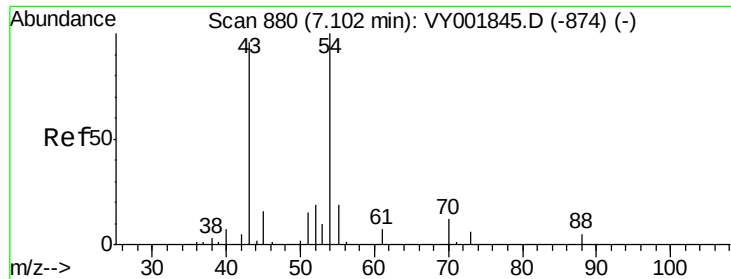
Tgt Ion:113 Resp: 74709
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.8
 192 17.6 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.44 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

Tgt Ion: 75 Resp: 10922
 Ion Ratio Lower Upper
 75 100
 110 2.2 17.4 52.2#
 77 0.0 24.2 36.2#

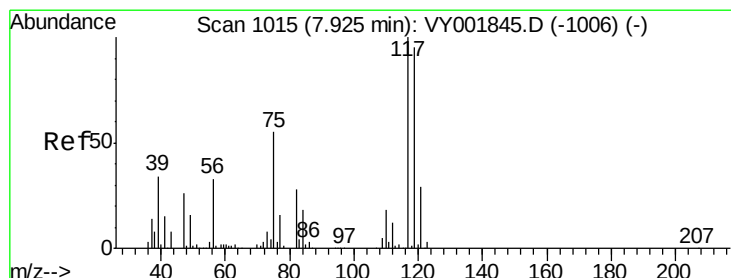
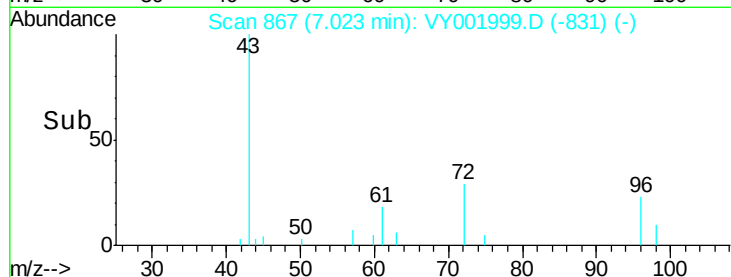
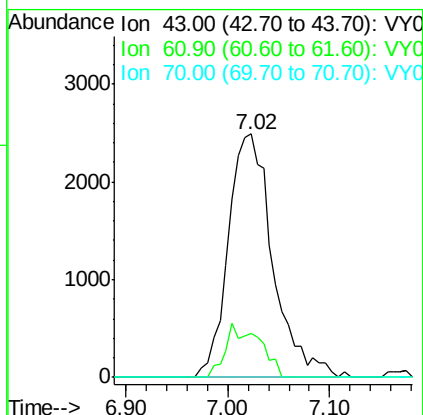
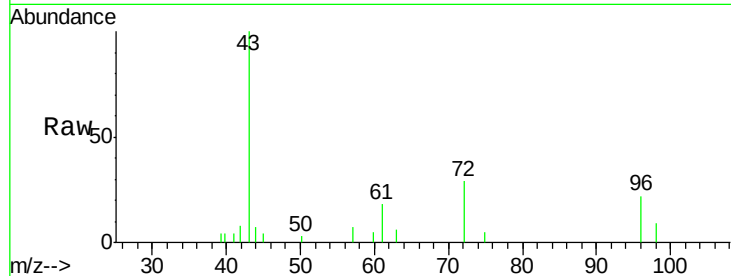




#37
Ethyl Acetate
Concen: 5.26 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.08 min
Lab File: VY001999.D
Acq: 17 Mar 2020 17:33

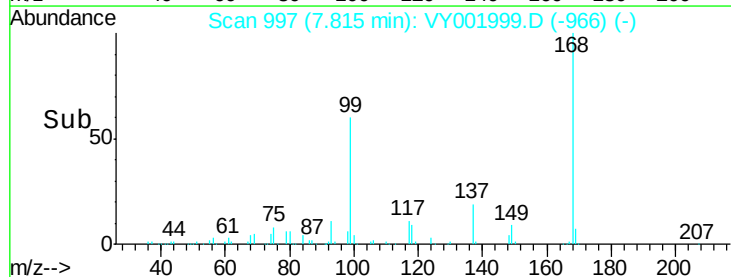
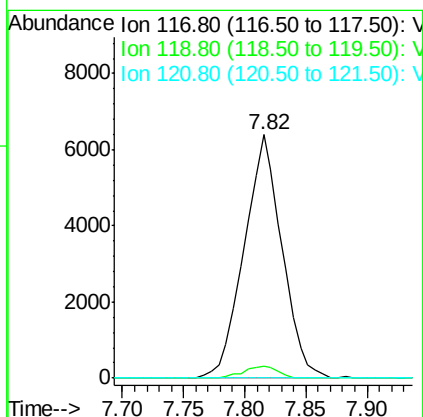
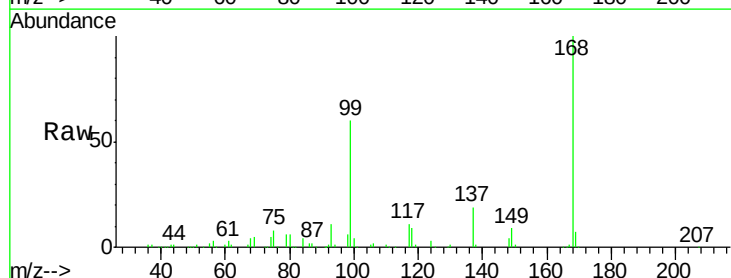
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-03-1.5-2.5

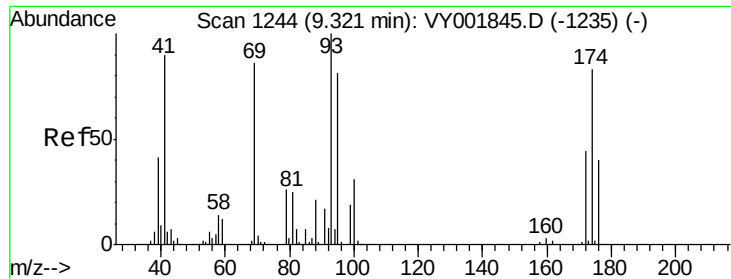
Tgt Ion: 43 Resp: 7527
Ion Ratio Lower Upper
43 100
61 16.7 11.1 16.7#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.54 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001999.D
Acq: 17 Mar 2020 17:33

Tgt Ion: 117 Resp: 13760
Ion Ratio Lower Upper
117 100
119 5.1 76.3 114.5#
121 0.0 23.5 35.3#

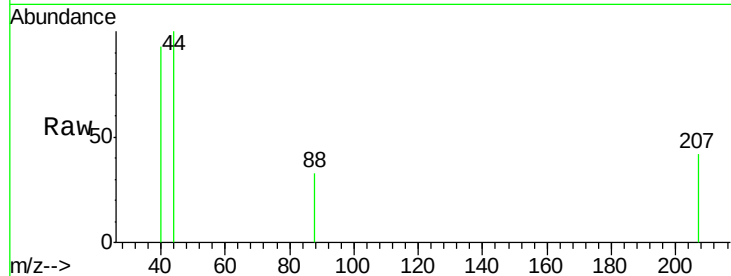




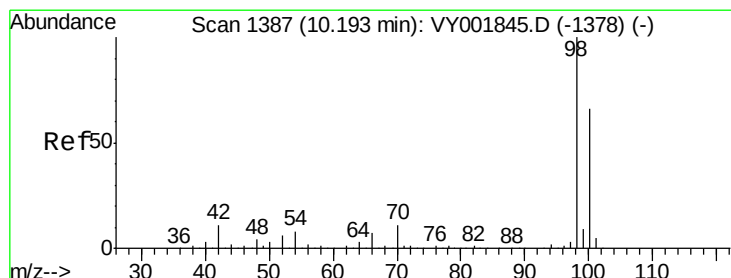
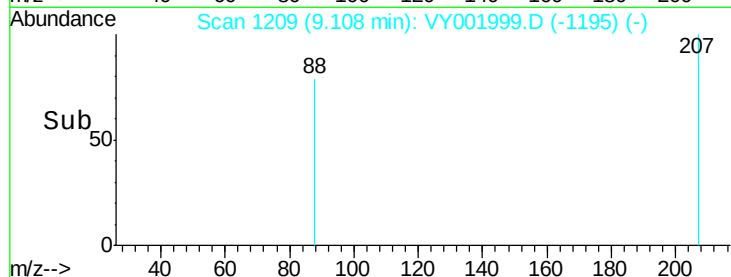
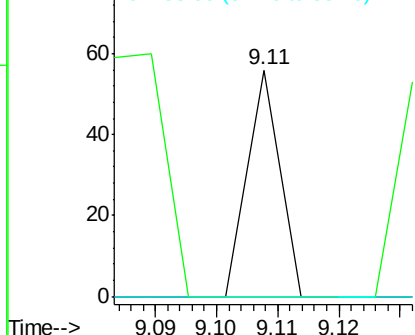
#49
1,4-Dioxane
Concen: 1.54 ug/l
RT: 9.11 min Scan# 1209
Delta R.T. -0.21 min
Lab File: VY001999.D
Acq: 17 Mar 2020 17:33

Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-03-1.5-2.5

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 220.0 25.0 37.6#
58 0.0 58.9 88.3#

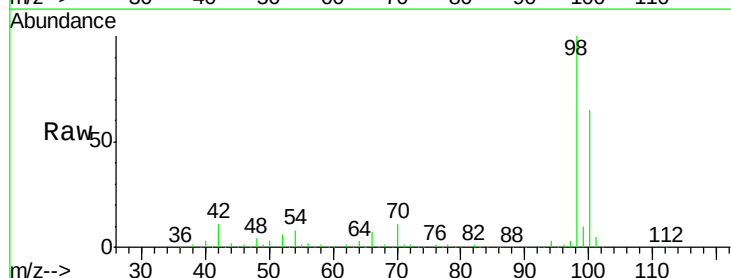


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

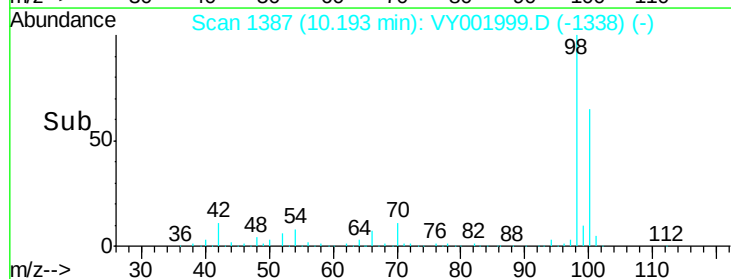
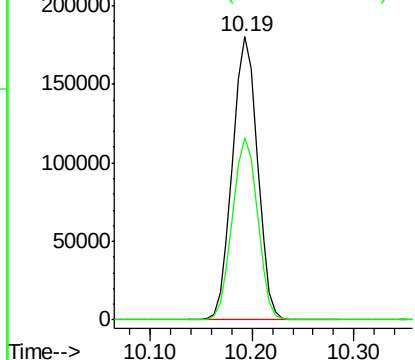


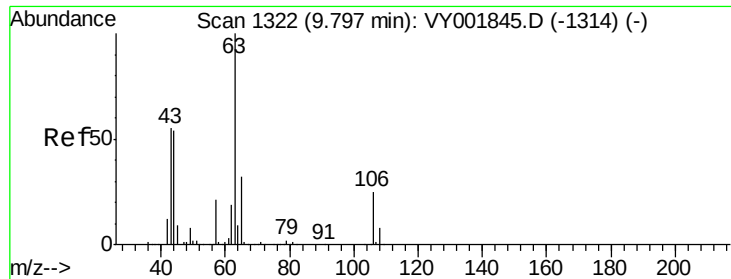
#50
Toluene-d8
Concen: 51.99 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001999.D
Acq: 17 Mar 2020 17:33

Tgt Ion: 98 Resp: 306250
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

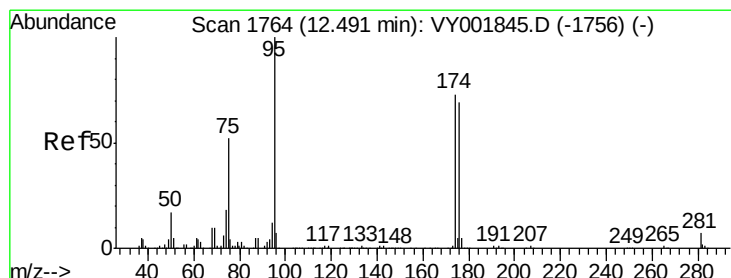
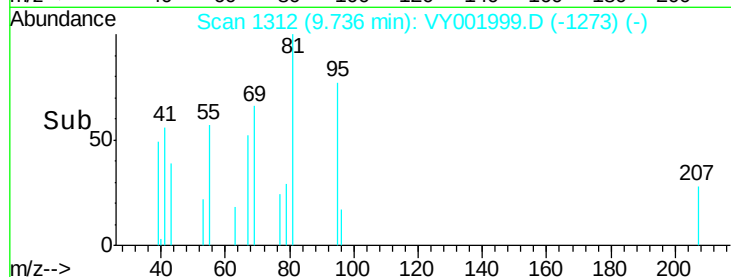
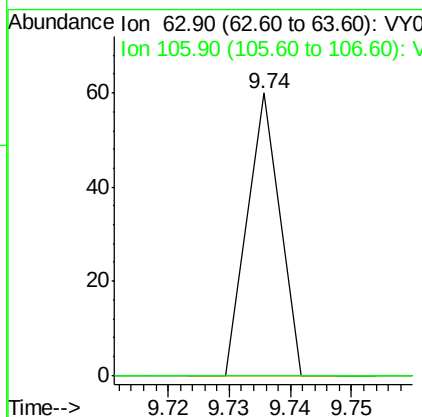
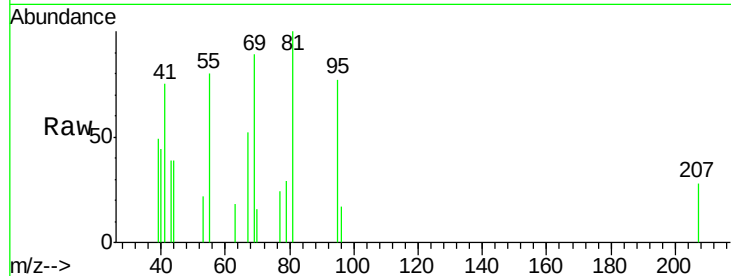




#58
 2-Chloroethyl Vinyl ether
 Concen: Below Cal
 RT: 9.74 min Scan# 1312
 Delta R.T. -0.06 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

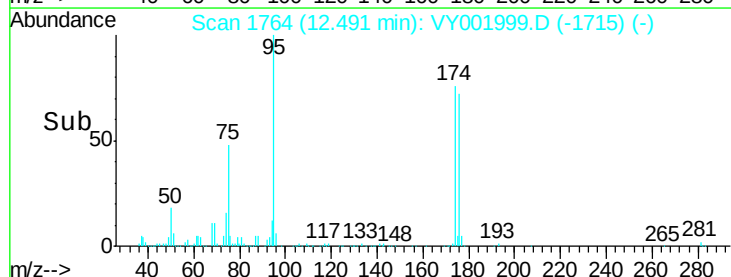
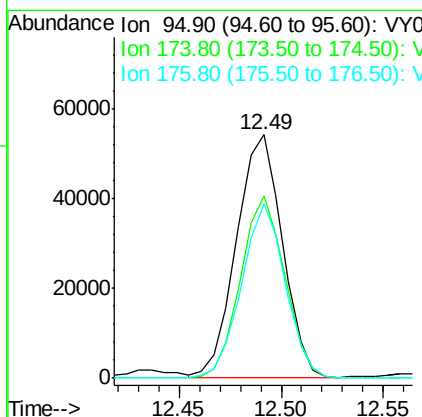
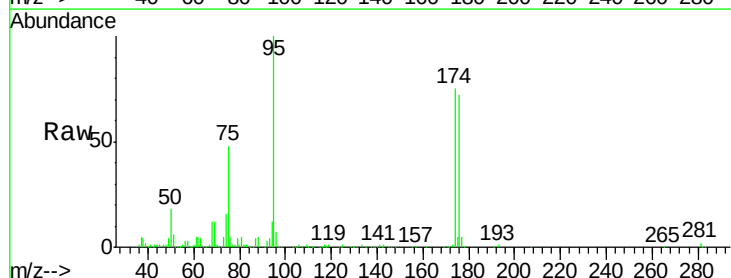
Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-03-1.5-2.5

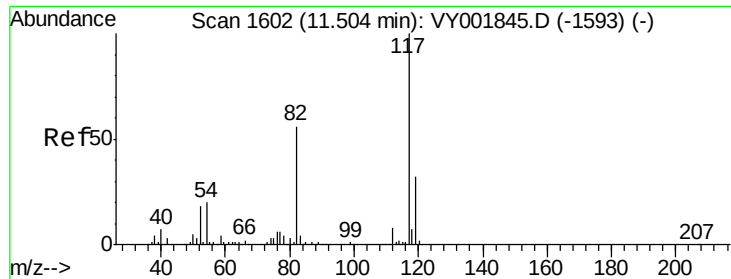
Tgt Ion: 63 Resp: 22
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 41.03 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

Tgt Ion: 95 Resp: 84055
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 145.0
 176 68.7 0.0 137.4

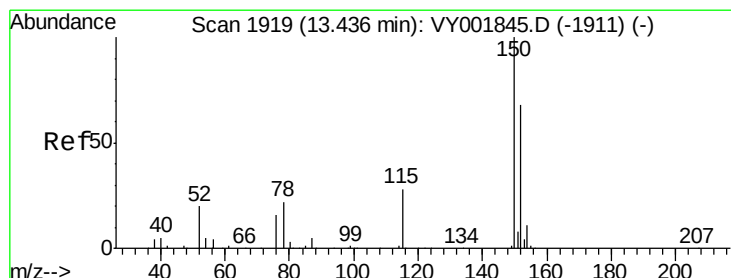
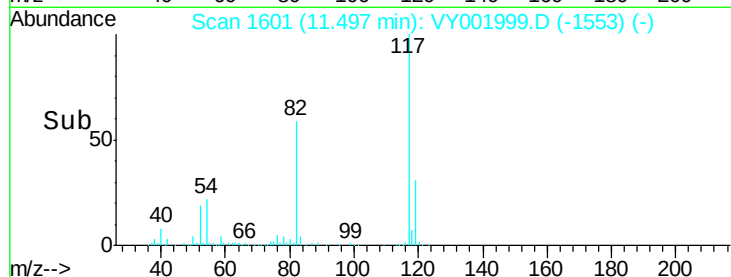
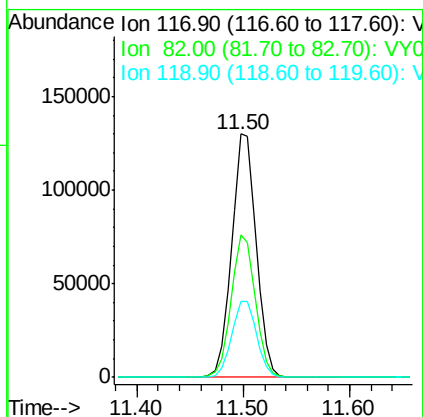
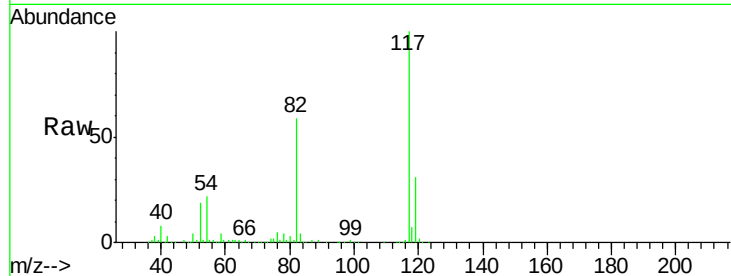




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001999.D
Acq: 17 Mar 2020 17:33

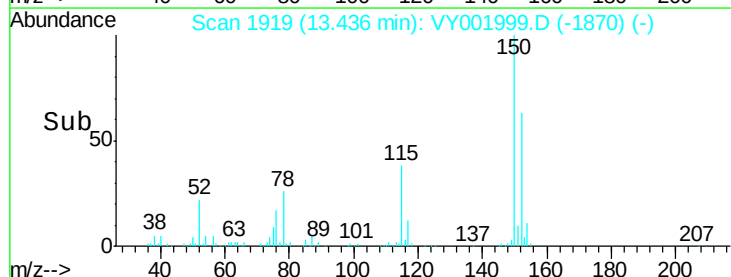
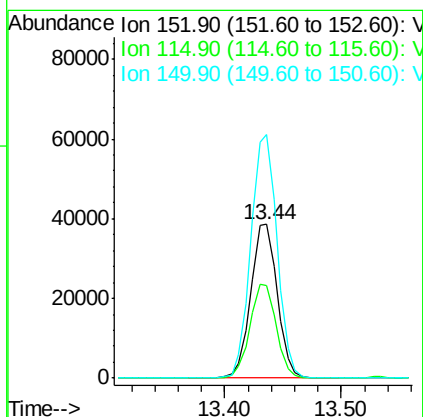
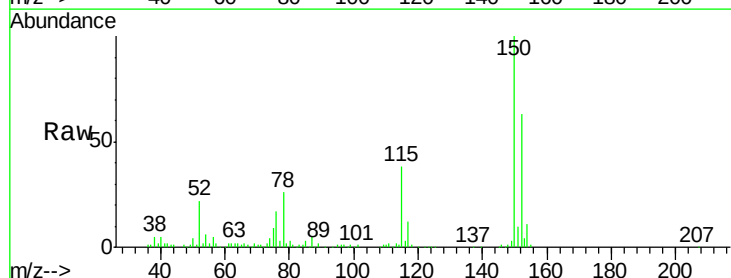
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-03-1.5-2.5

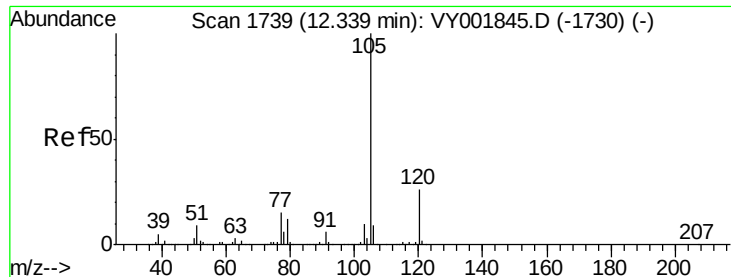
Tgt Ion:117 Resp: 209510
Ion Ratio Lower Upper
117 100
82 58.7 44.5 66.7
119 31.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001999.D
Acq: 17 Mar 2020 17:33

Tgt Ion:152 Resp: 61495
Ion Ratio Lower Upper
152 100
115 60.3 29.9 89.7
150 156.8 0.0 340.6





#73

Isopropylbenzene

Concen: 1.03 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001999.D

Acq: 17 Mar 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

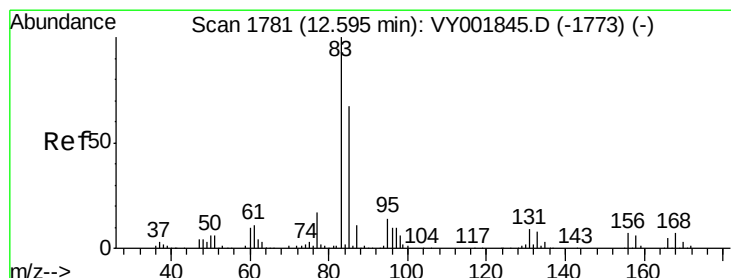
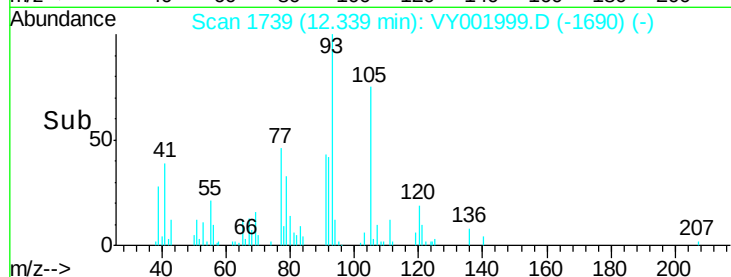
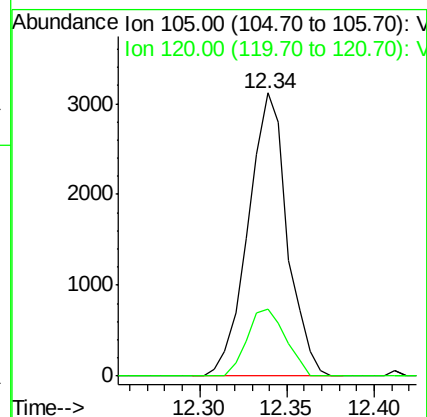
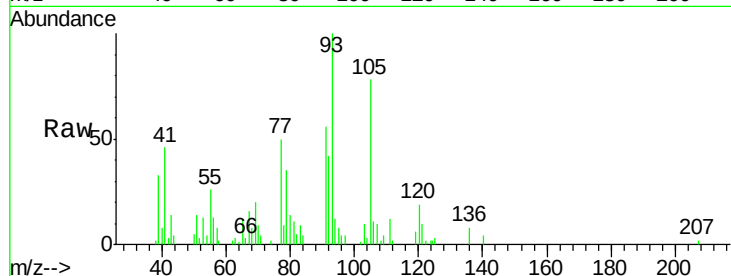
GHD1-SB-03-1.5-2.5

Tgt Ion: 105 Resp: 4849

Ion Ratio Lower Upper

105 100

120 23.4 13.1 39.3



#75

1,1,2,2-Tetrachloroethane

Concen: 3.34 ug/l

RT: 12.65 min Scan# 1790

Delta R.T. 0.05 min

Lab File: VY001999.D

Acq: 17 Mar 2020 17:33

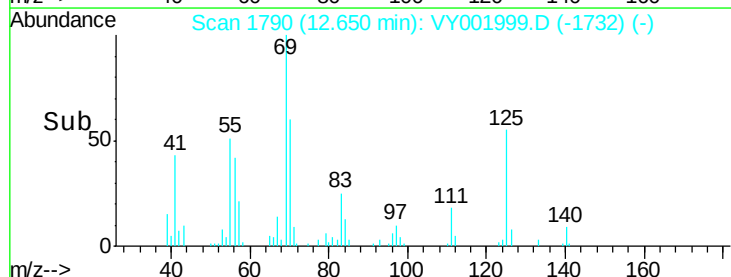
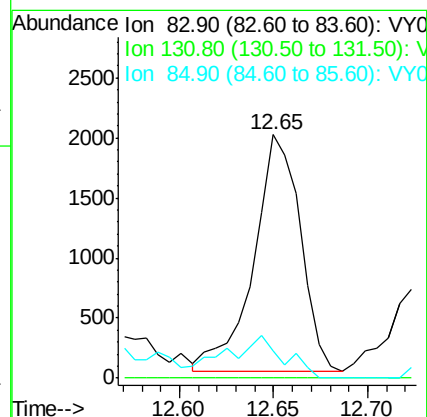
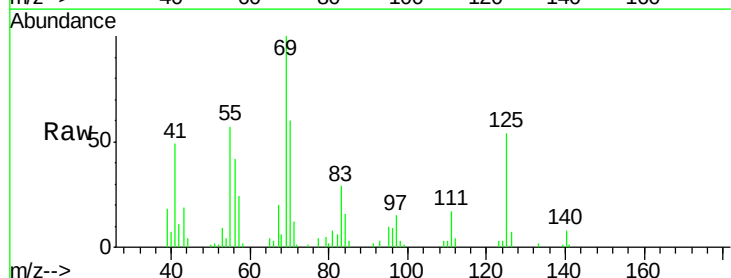
Tgt Ion: 83 Resp: 3378

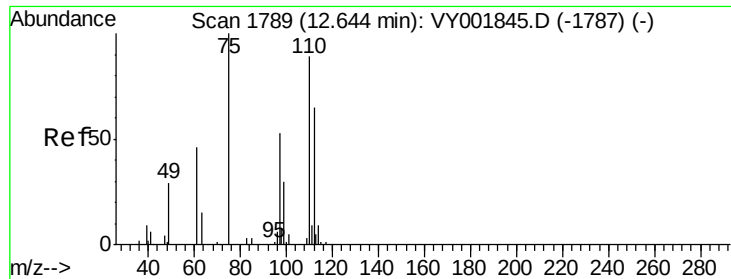
Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 23.0 32.1 96.3#





#76

1,2,3-Trichloropropane

Concen: 56.79 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001999.D

Acq: 17 Mar 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

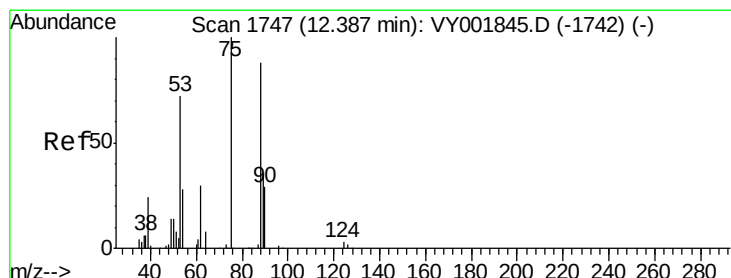
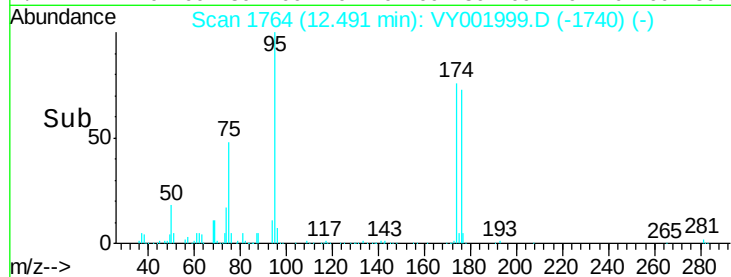
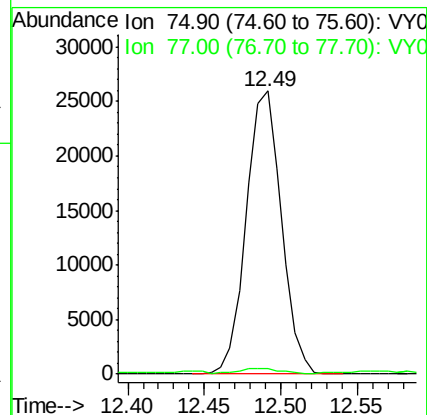
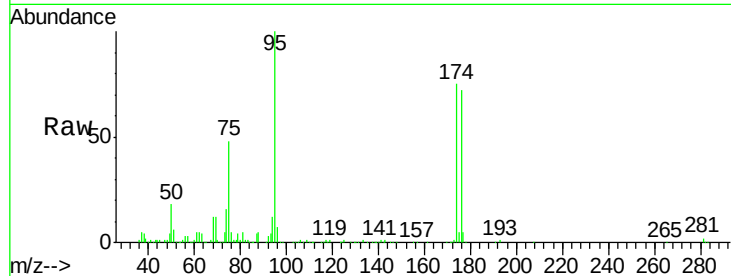
GHD1-SB-03-1.5-2.5

Tgt Ion: 75 Resp: 41437

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.71 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001999.D

Acq: 17 Mar 2020 17:33

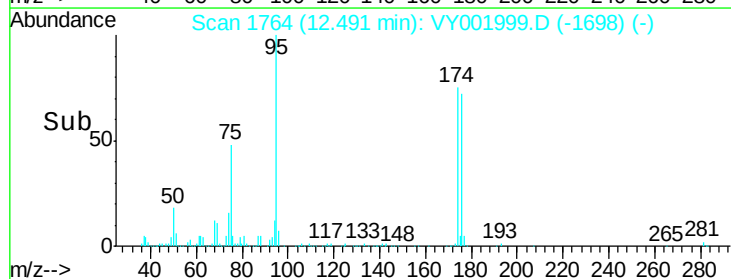
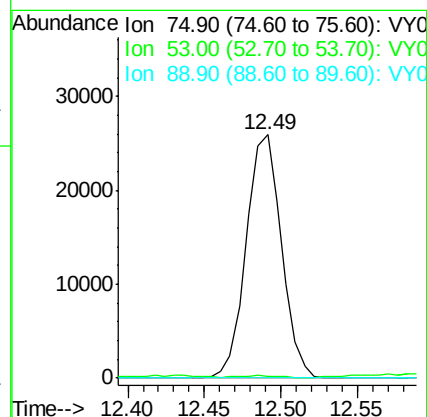
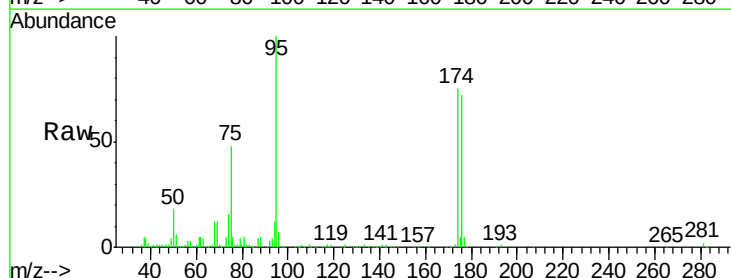
Tgt Ion: 75 Resp: 41437

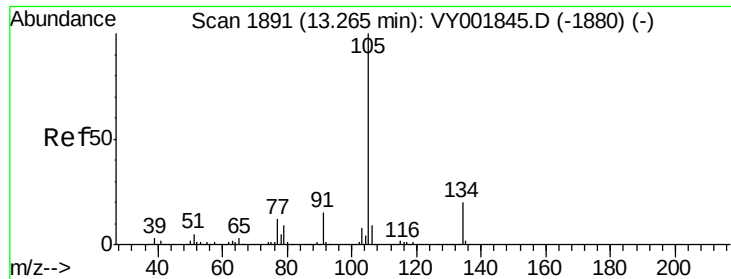
Ion Ratio Lower Upper

75 100

53 1.2 65.4 98.0#

89 0.1 36.0 54.0#





#85

sec-Butylbenzene

Concen: 1.34 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001999.D

Acq: 17 Mar 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

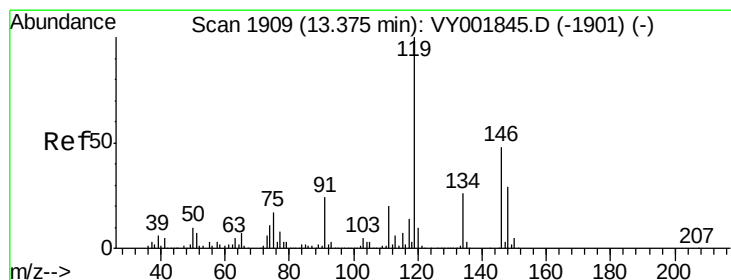
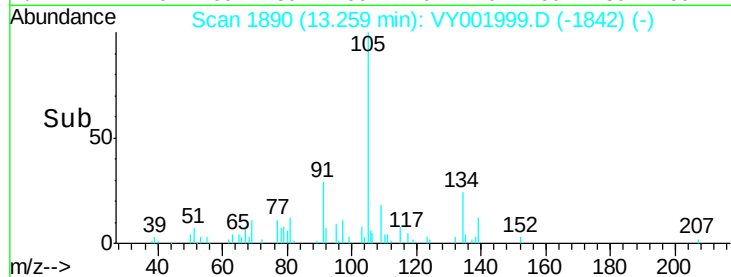
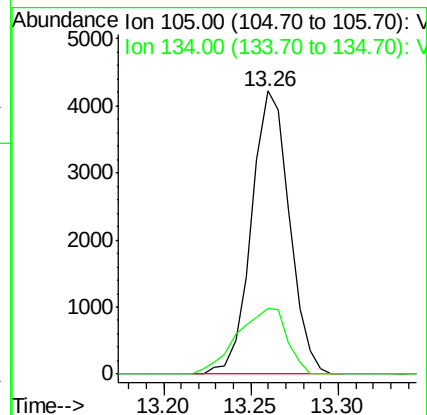
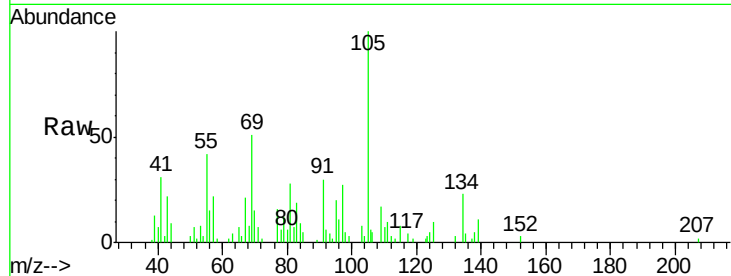
GHD1-SB-03-1.5-2.5

Tgt Ion:105 Resp: 6353

Ion Ratio Lower Upper

105 100

134 30.7 9.7 29.1#



#87

1,3-Dichlorobenzene

Concen: 2.94 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. 0.08 min

Lab File: VY001999.D

Acq: 17 Mar 2020 17:33

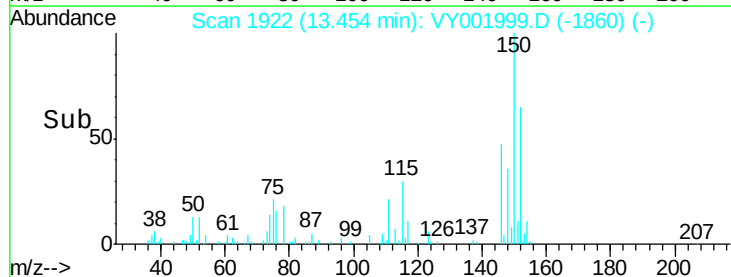
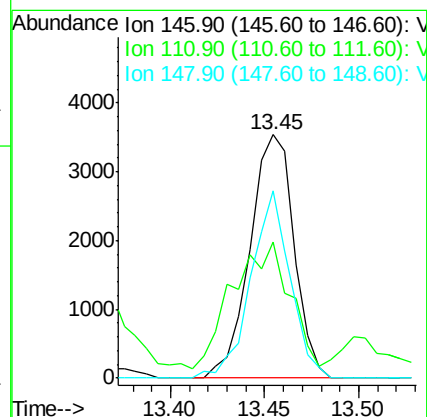
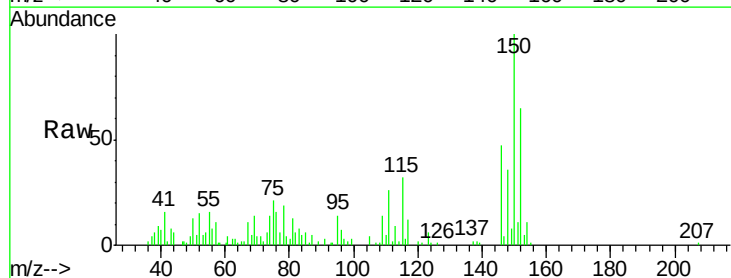
Tgt Ion:146 Resp: 5730

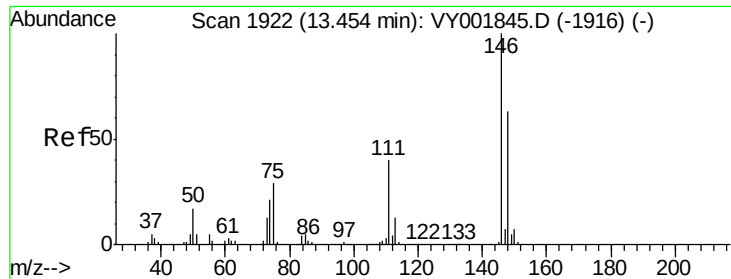
Ion Ratio Lower Upper

146 100

111 64.6 20.8 62.5#

148 68.4 31.4 94.0

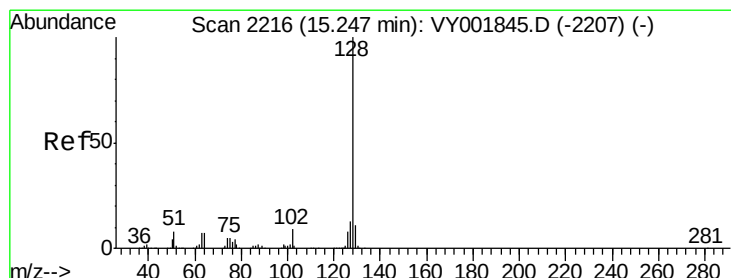
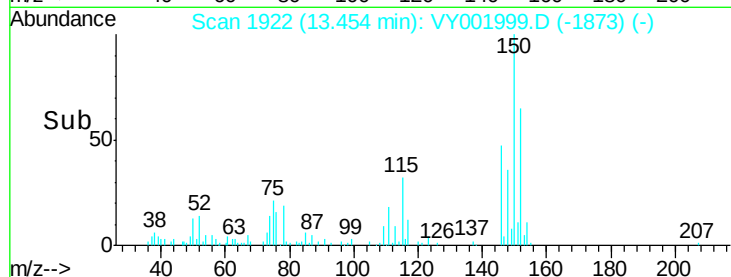
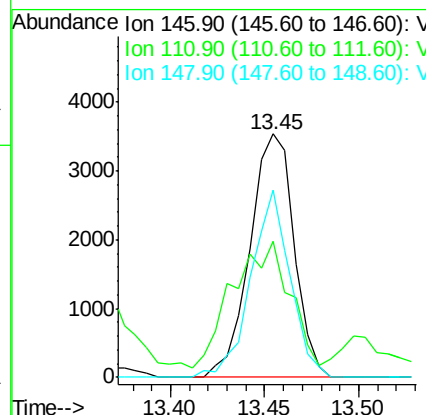
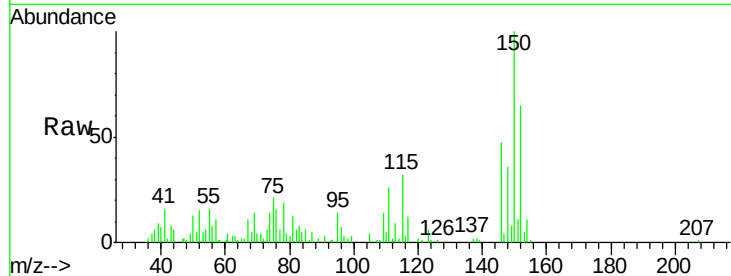




#88
 1,4-Dichlorobenzene
 Concen: 2.90 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-03-1.5-2.5

Tgt Ion:146 Resp: 5730
 Ion Ratio Lower Upper
 146 100
 111 66.9 20.0 60.0#
 148 68.4 31.5 94.5



#95
 Naphthalene
 Concen: 3.44 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.00 min
 Lab File: VY001999.D
 Acq: 17 Mar 2020 17:33

Tgt Ion:128 Resp: 9361
 Ion Ratio Lower Upper
 128 100
 127 16.0 10.1 15.1#
 129 16.8 8.6 13.0#

