

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032420\
 Data File : VY002051.D
 Acq On : 24 Mar 2020 15:26
 Operator : SY/MD
 Sample : L2013-05
 Misc : 7.56G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-02-8-9

Quant Time: Mar 24 16:58:47 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	7.81	168	137962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	268396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	245656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	101256	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	84770	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
35) Dibromofluoromethane	7.74	113	77133	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	10.19	98	325895	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.49	95	110257	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

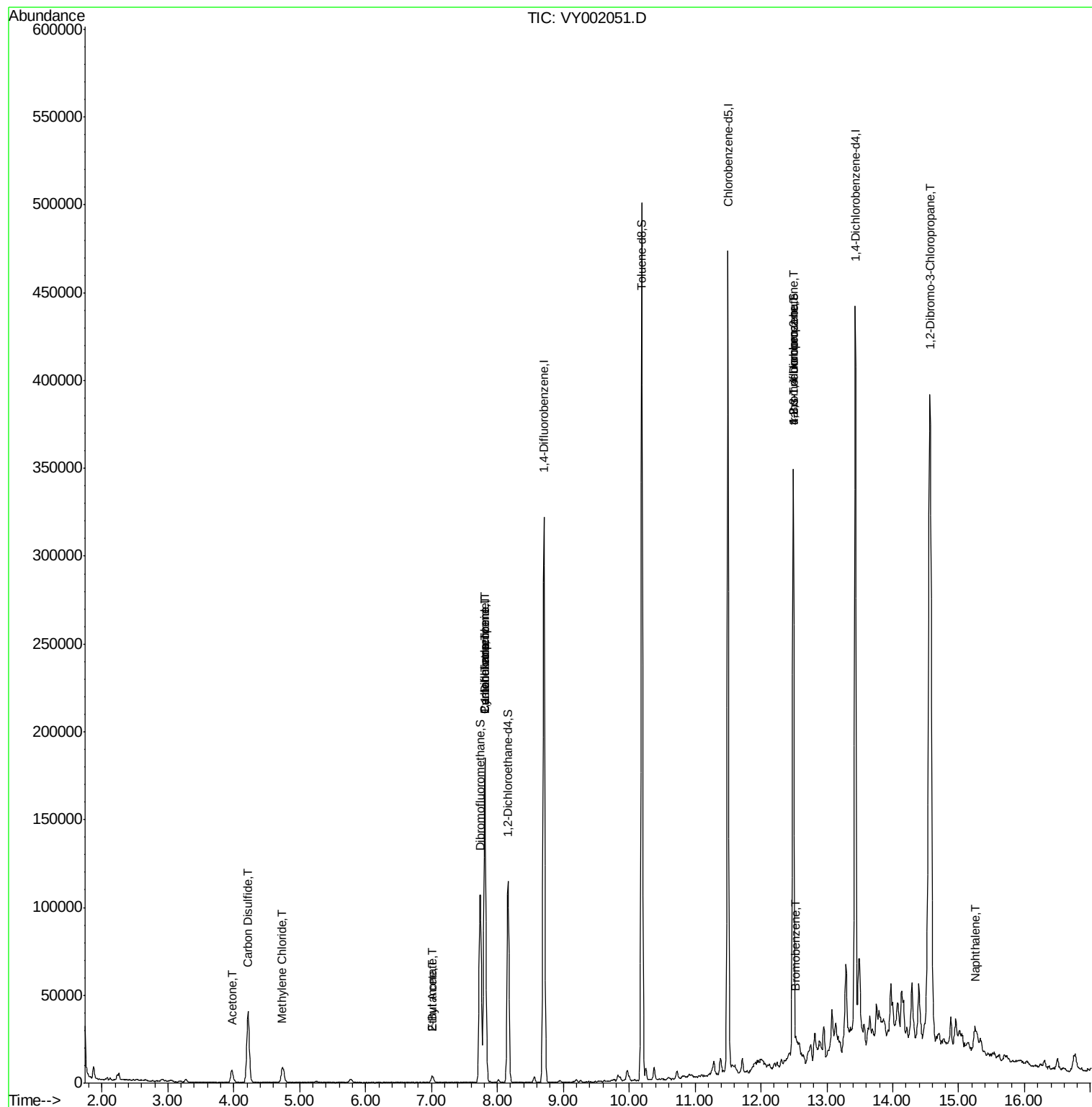
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	20	Below Cal	#	72
11) Tert butyl alcohol	4.99	59	20	Below Cal	#	74
16) Acetone	3.97	43	12623	29.43	ug/l	97
17) Carbon Disulfide	4.22	76	85783	16.64	ug/l	97
20) Methylene Chloride	4.74	84	6571	3.57	ug/l	97
25) 2-Butanone	7.02	43	4194	6.43	ug/l	# 65
31) Cyclohexane	7.82	56	3341	1.03	ug/l	# 1
36) 1,1-Dichloropropene	7.81	75	11977	4.64	ug/l	# 50
37) Ethyl Acetate	7.02	43	4194	2.79	ug/l	# 66
38) Carbon Tetrachloride	7.82	117	13949	6.32	ug/l	# 15
76) 1,2,3-Trichloropropane	12.49	75	56144	46.73	ug/l	# 100
77) Bromobenzene	12.53	156	5166	3.15	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.49	75	56144	94.39	ug/l	# 17
92) 1,2-Dibromo-3-Chloropropan	14.56	75	25061	96.35	ug/l	# 21
95) Naphthalene	15.25	128	5621	1.25	ug/l	# 82

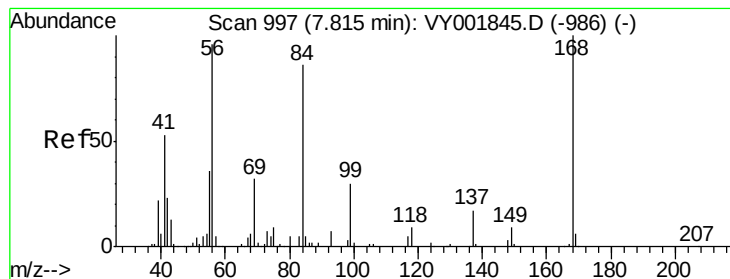
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

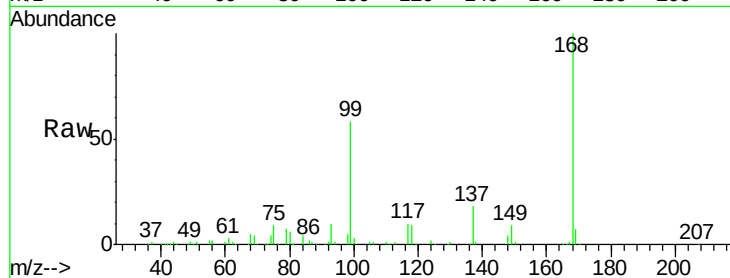
GHD1-SB-02-8-9

Tgt Ion:168 Resp: 137962

Ion Ratio Lower Upper

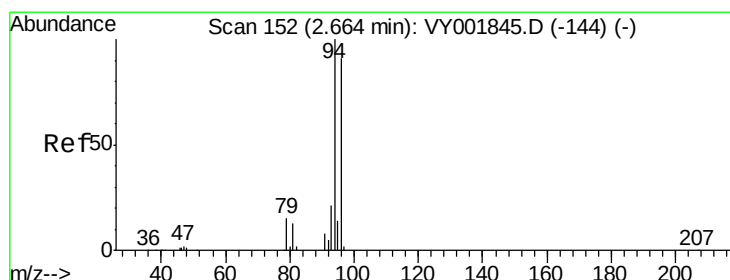
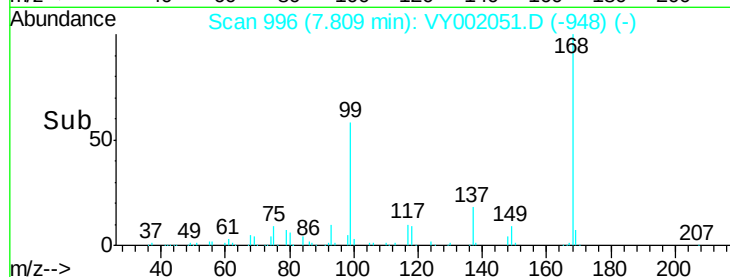
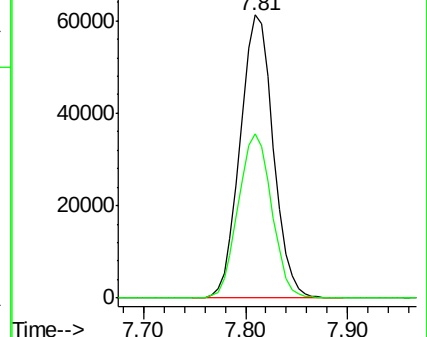
168 100

99 57.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY002051.D

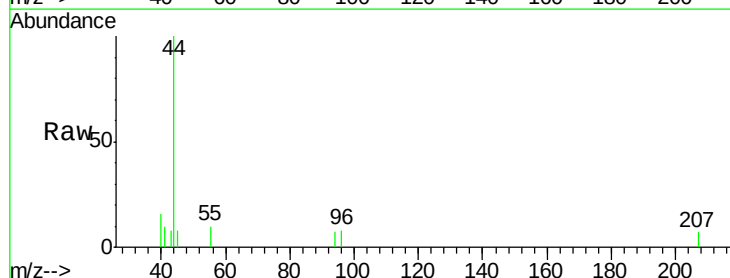
Acq: 24 Mar 2020 15:26

Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

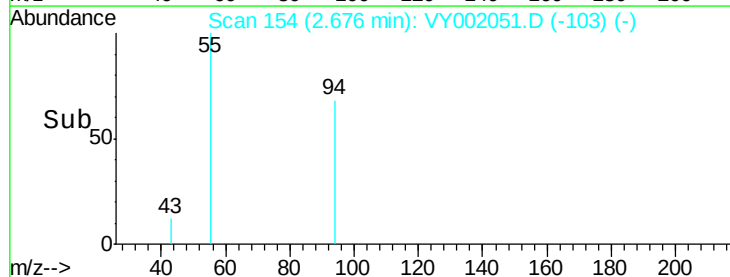
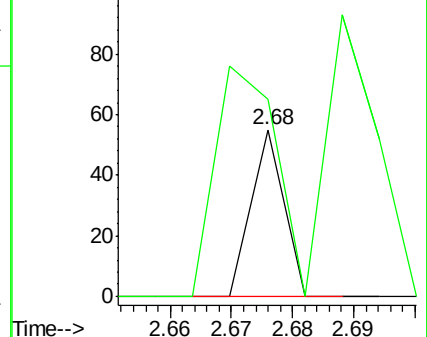
94 100

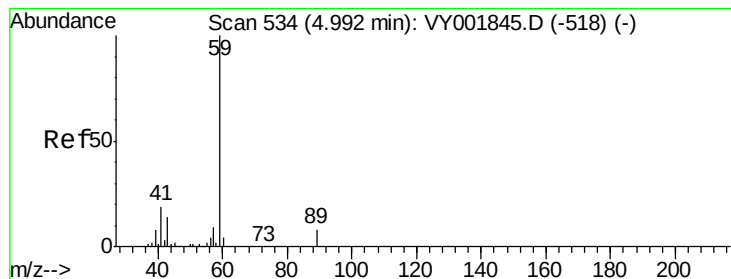
96 118.2 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



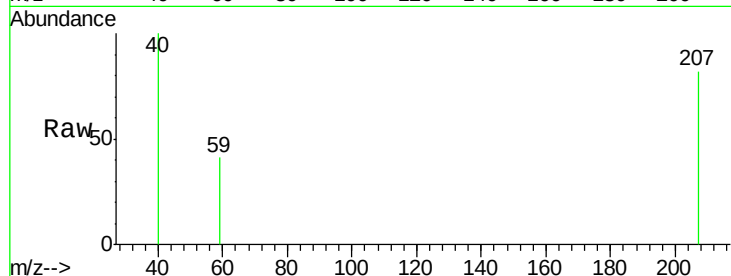


#11

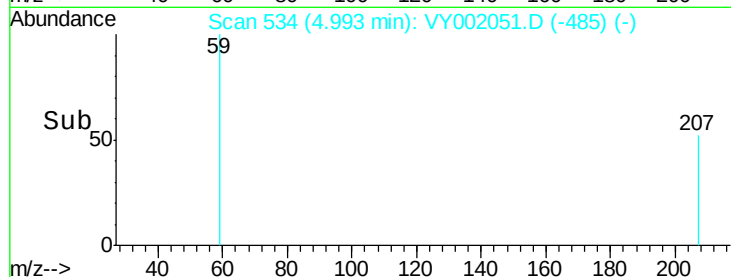
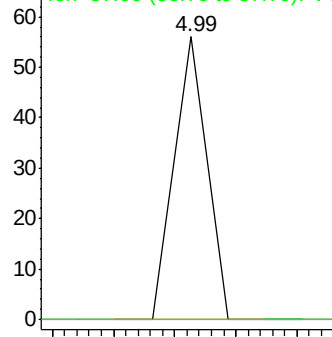
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY002051.D
 Acq: 24 Mar 2020 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-02-8-9

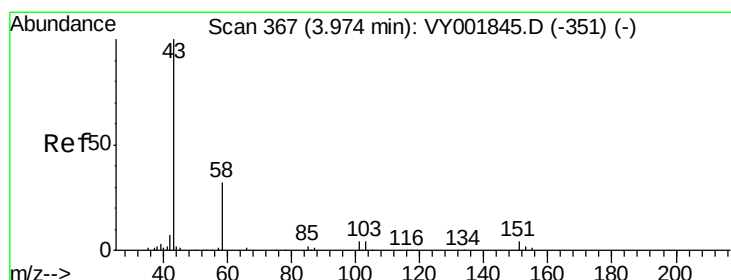
Tgt Ion: 59 Resp: 20
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



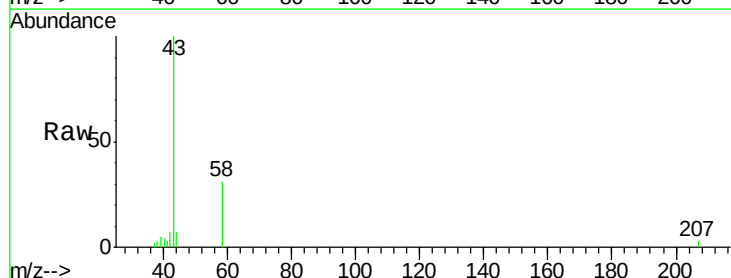
Time-->



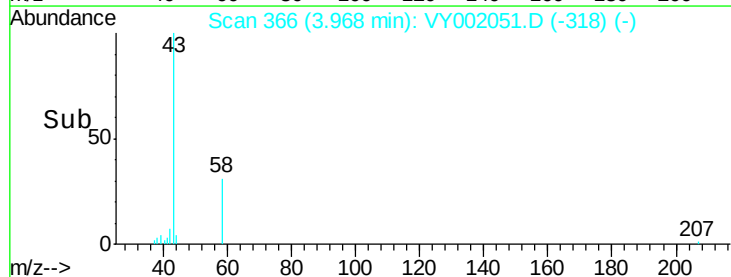
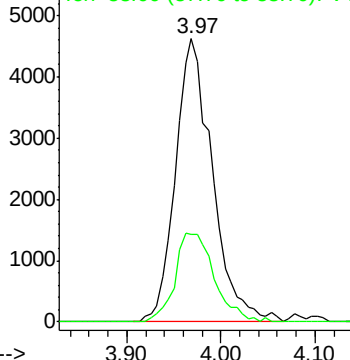
#16

Acetone
 Concen: 29.43 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VY002051.D
 Acq: 24 Mar 2020 15:26

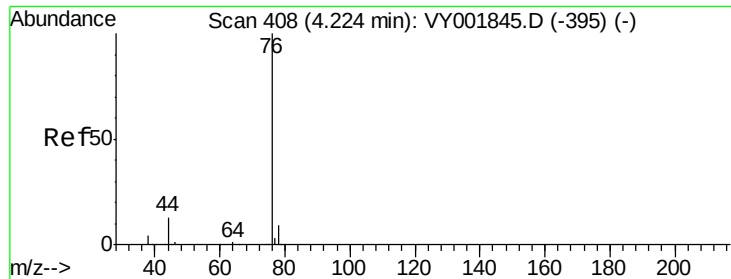
Tgt Ion: 43 Resp: 12623
 Ion Ratio Lower Upper
 43 100
 58 30.8 25.9 38.9



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



Time-->



#17

Carbon Disulfide

Concen: 16.64 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

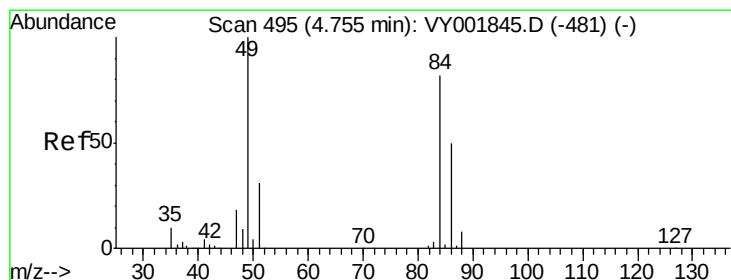
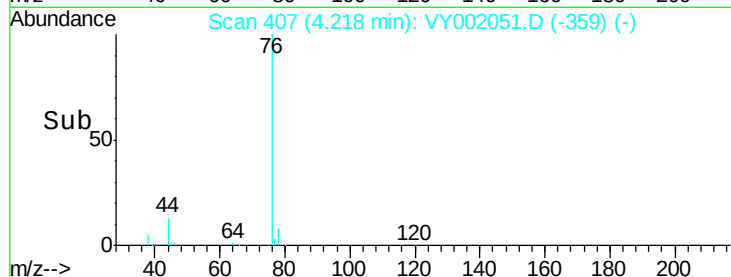
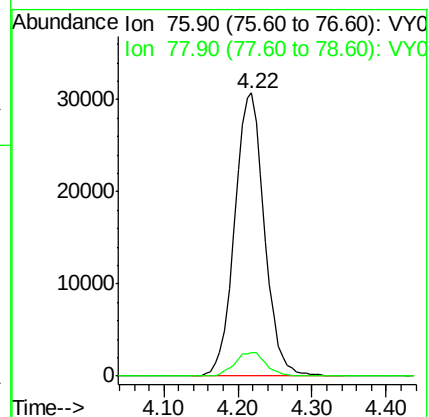
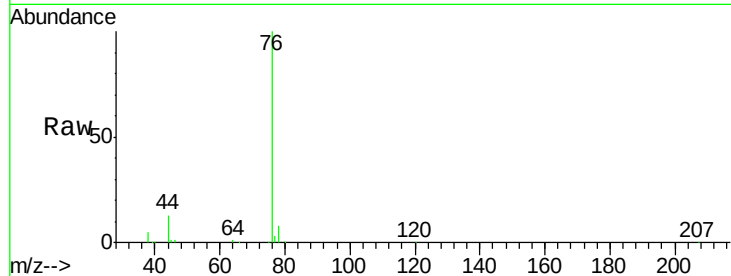
GHD1-SB-02-8-9

Tgt Ion: 76 Resp: 85783

Ion Ratio Lower Upper

76 100

78 8.3 7.4 11.2



#20

Methylene Chloride

Concen: 3.57 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

Tgt Ion: 84 Resp: 6571

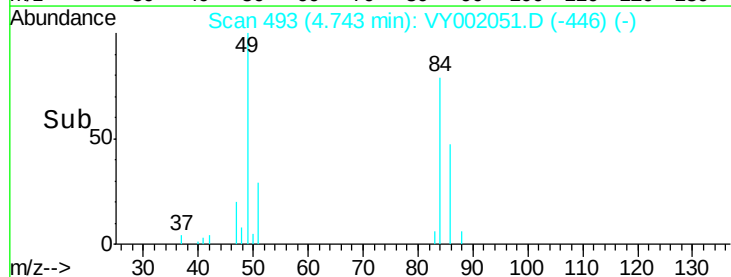
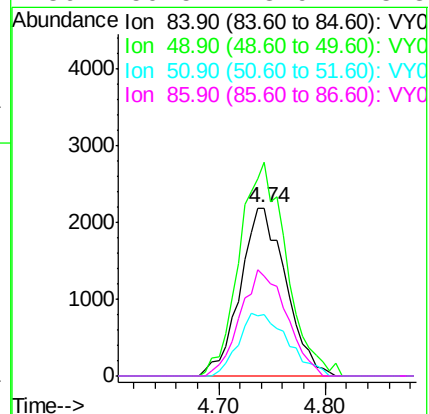
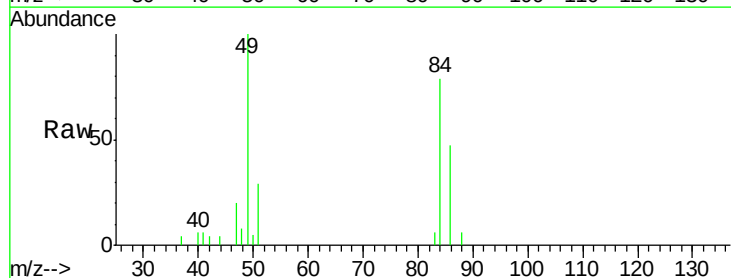
Ion Ratio Lower Upper

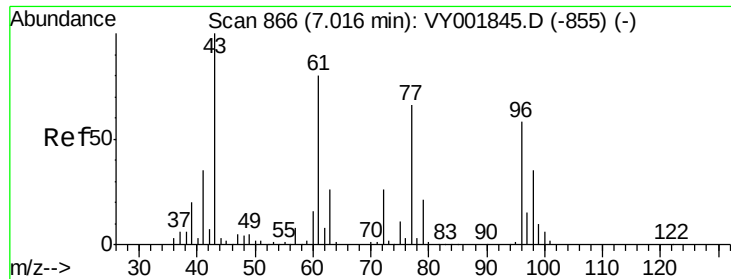
84 100

49 127.3 98.2 147.2

51 36.3 30.2 45.2

86 59.5 48.9 73.3

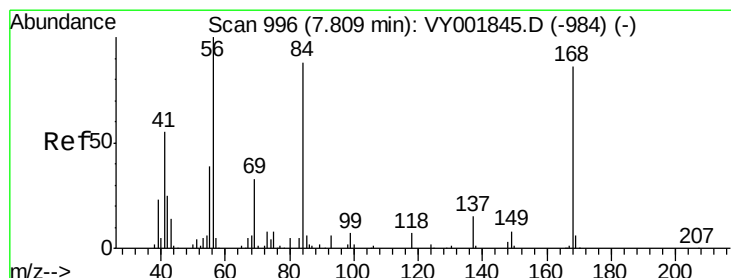
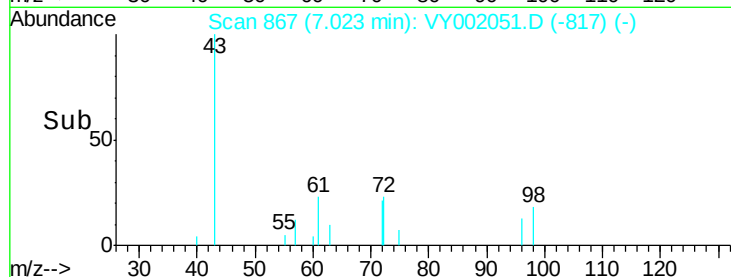
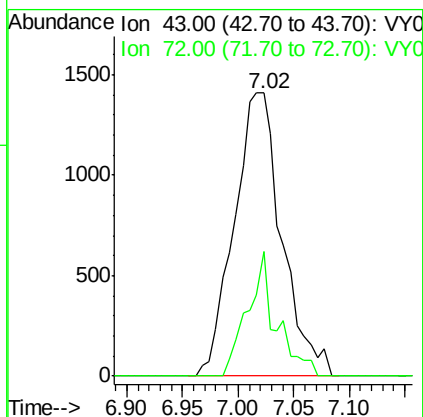
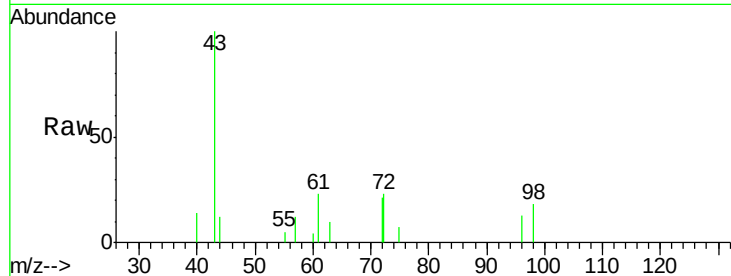




#25
2-Butanone
Concen: 6.43 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY002051.D
Acq: 24 Mar 2020 15:26

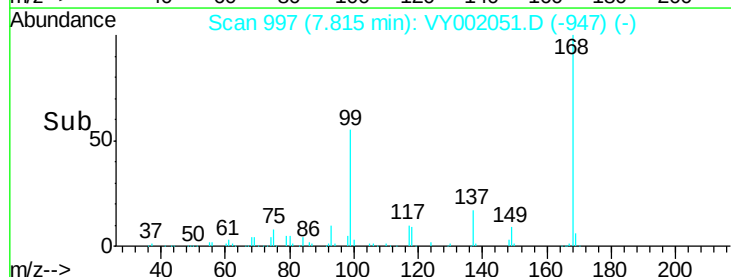
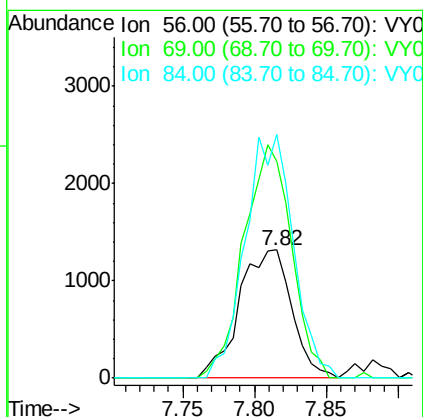
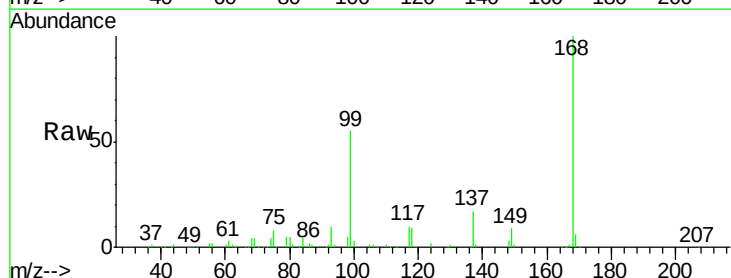
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-02-8-9

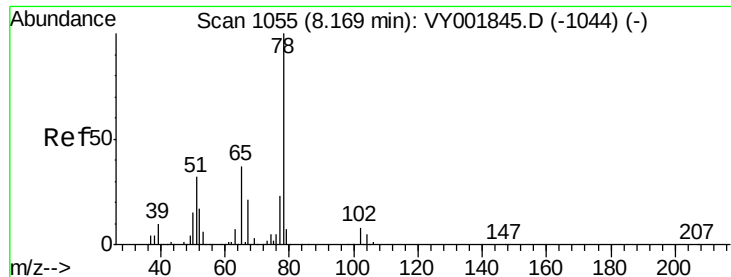
Tgt Ion: 43 Resp: 4194
Ion Ratio Lower Upper
43 100
72 44.2 20.9 31.3#



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002051.D
Acq: 24 Mar 2020 15:26

Tgt Ion: 56 Resp: 3341
Ion Ratio Lower Upper
56 100
69 169.7 26.7 40.1#
84 190.4 70.4 105.6#

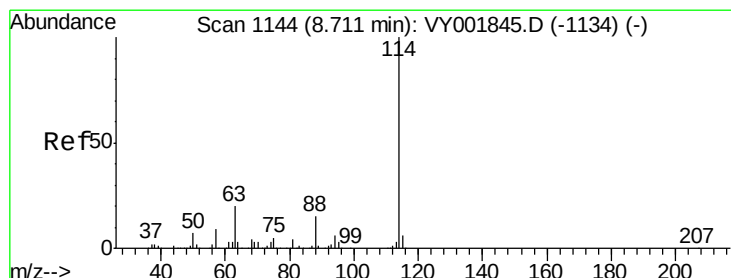
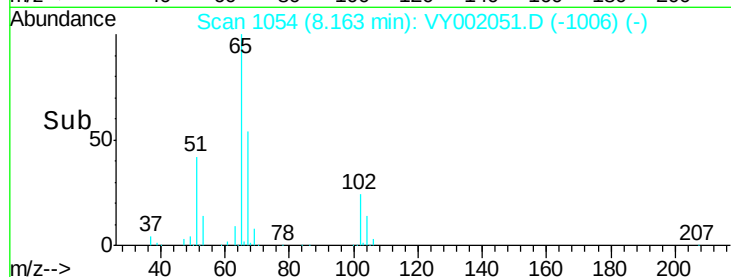
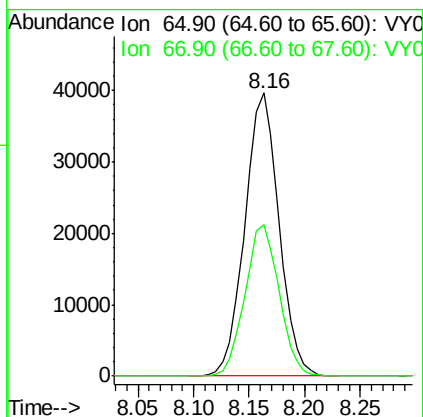
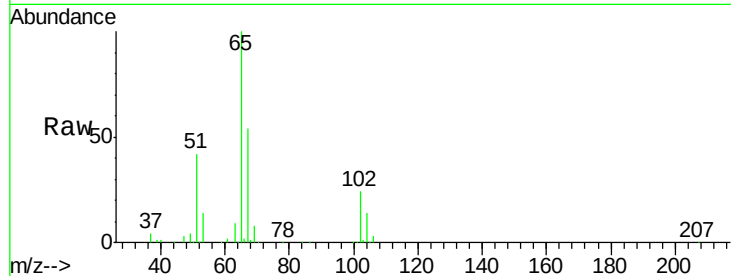




#33
 1,2-Dichloroethane-d4
 Concen: 57.56 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002051.D
 Acq: 24 Mar 2020 15:26

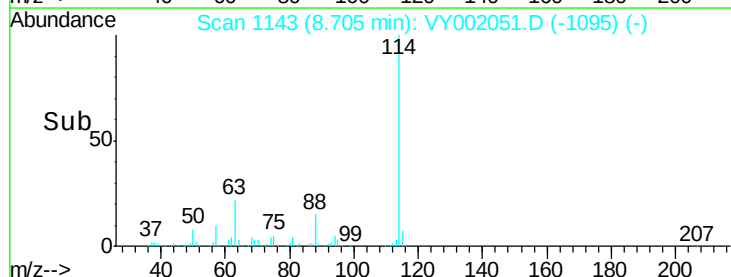
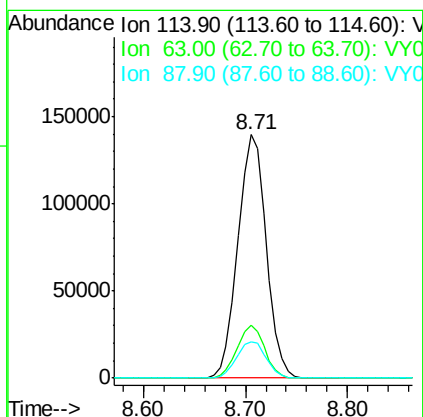
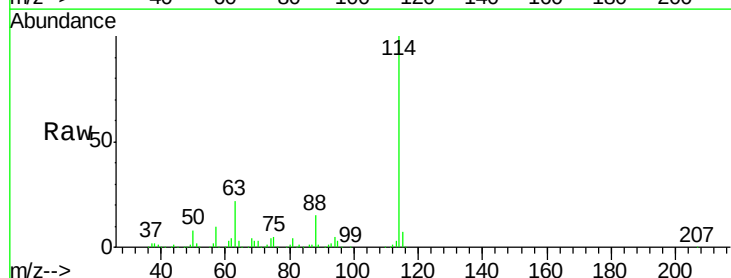
Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-02-8-9

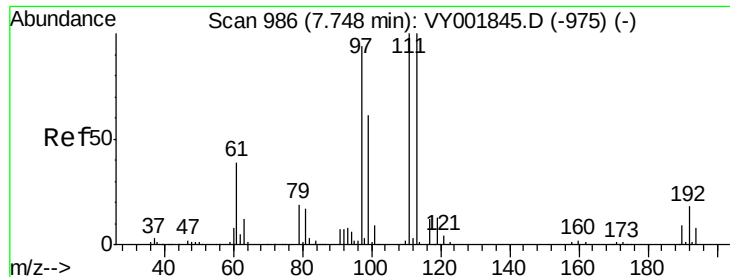
Tgt Ion: 65 Resp: 84770
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002051.D
 Acq: 24 Mar 2020 15:26

Tgt Ion: 114 Resp: 268396
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.4
 88 15.1 0.0 30.4

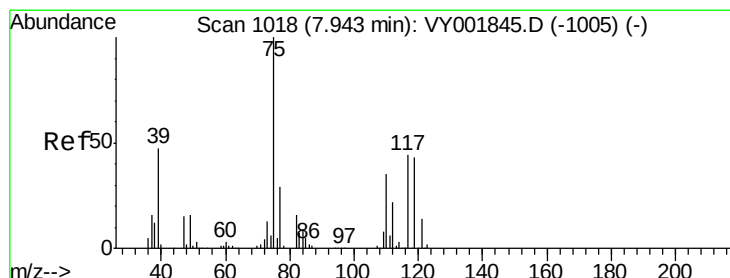
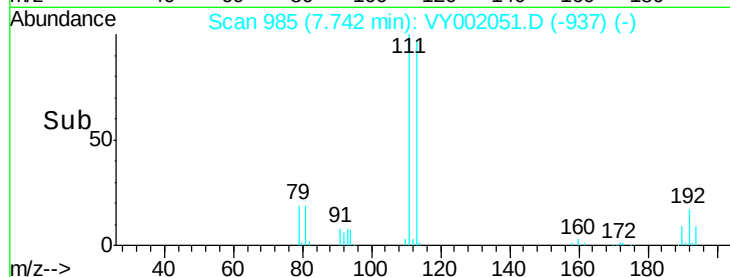
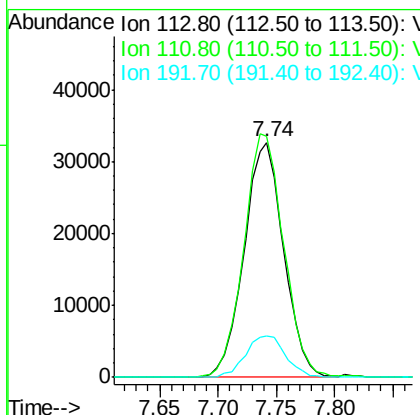
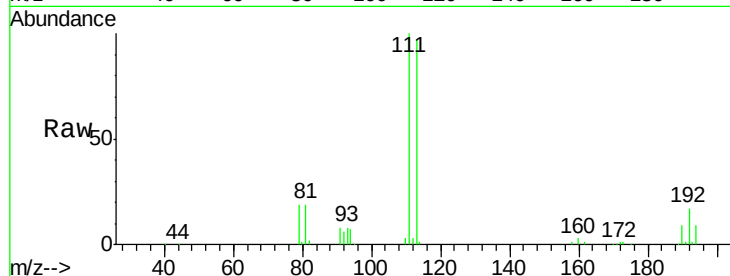




#35
 Dibromofluoromethane
 Concen: 52.63 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002051.D
 Acq: 24 Mar 2020 15:26

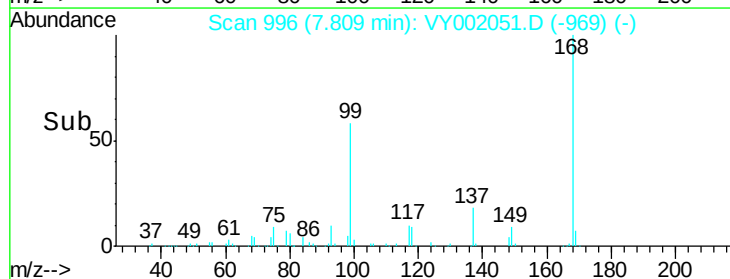
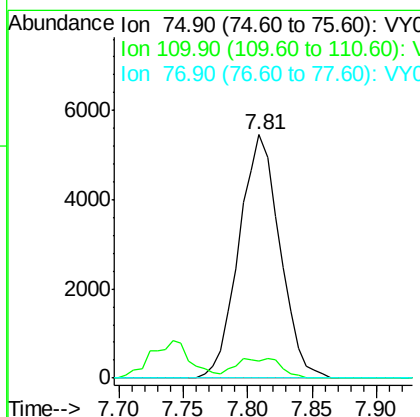
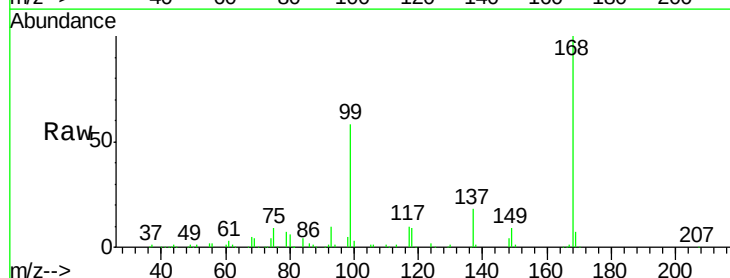
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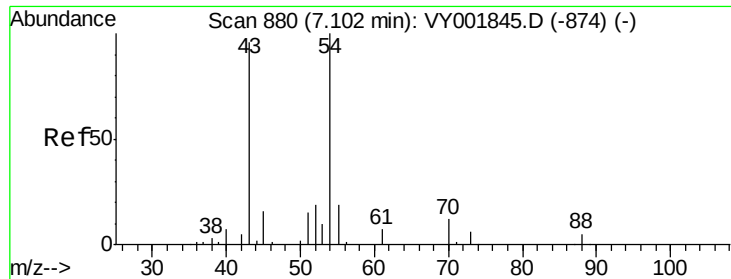
Tgt Ion: 113 Resp: 77133
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.8 122.8
 192 18.1 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.64 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002051.D
 Acq: 24 Mar 2020 15:26

Tgt Ion: 75 Resp: 11977
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.4 52.2#
 77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.79 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.08 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-02-8-9

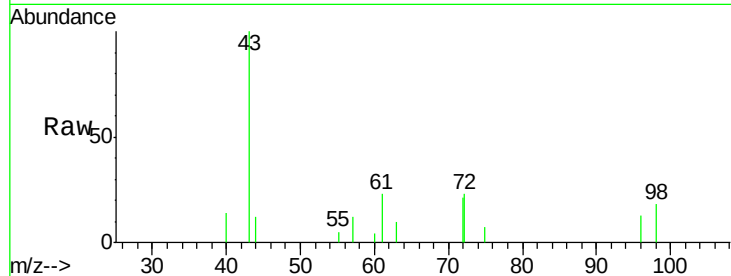
Tgt Ion: 43 Resp: 4194

Ion Ratio Lower Upper

43 100

61 29.4 11.1 16.7#

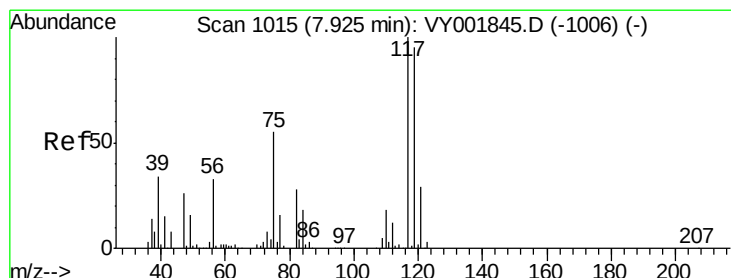
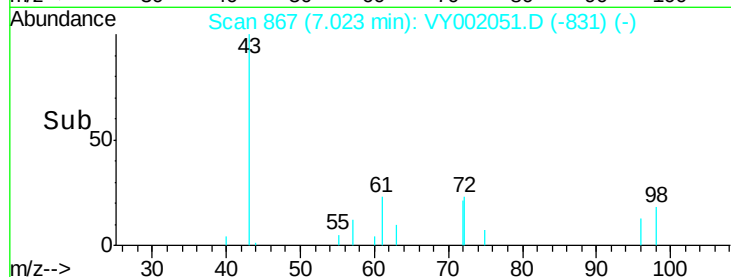
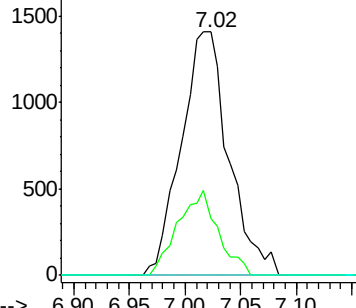
70 0.0 8.2 12.4#



Abundance Ion 43.00 (42.70 to 43.70): VY002051.D (-867) (-)

Ion 60.90 (60.60 to 61.60): VY002051.D (-867) (-)

Ion 70.00 (69.70 to 70.70): VY002051.D (-867) (-)



#38

Carbon Tetrachloride

Concen: 6.32 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

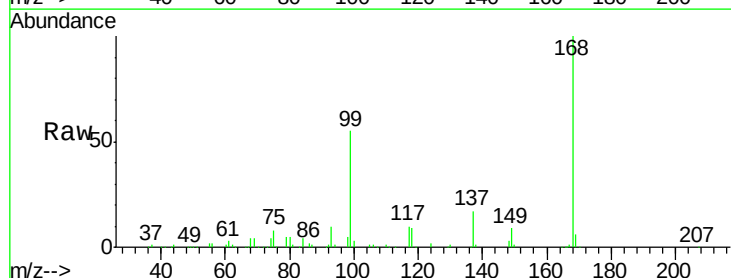
Tgt Ion: 117 Resp: 13949

Ion Ratio Lower Upper

117 100

119 3.4 76.3 114.5#

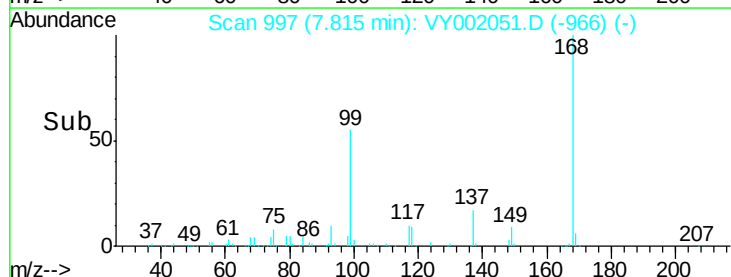
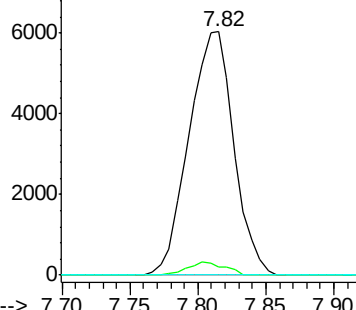
121 0.0 23.5 35.3#

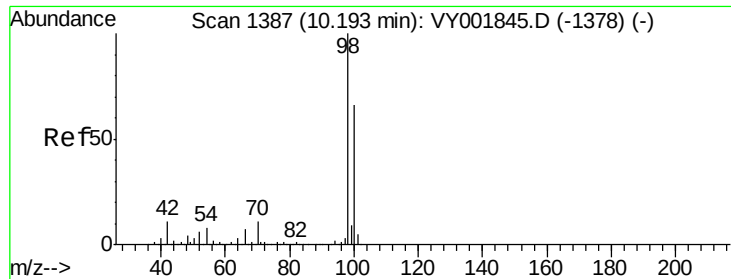


Abundance Ion 116.80 (116.50 to 117.50): VY002051.D (-997) (-)

Ion 118.80 (118.50 to 119.50): VY002051.D (-997) (-)

Ion 120.80 (120.50 to 121.50): VY002051.D (-997) (-)





#50

Toluene-d8

Concen: 52.73 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

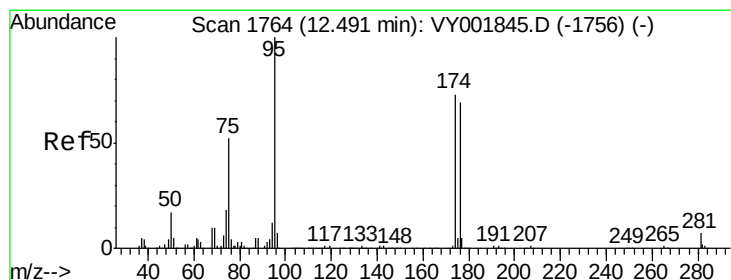
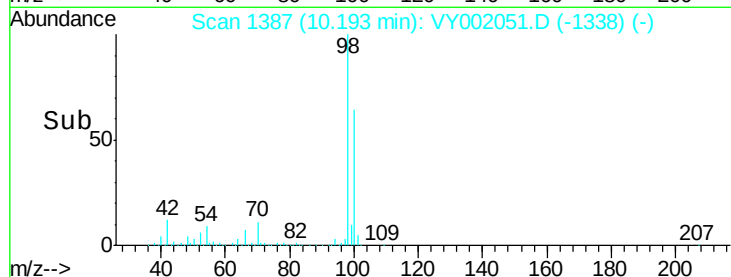
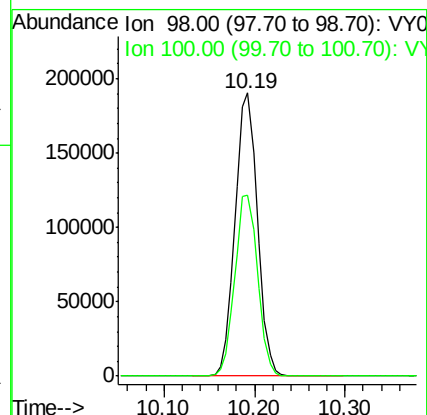
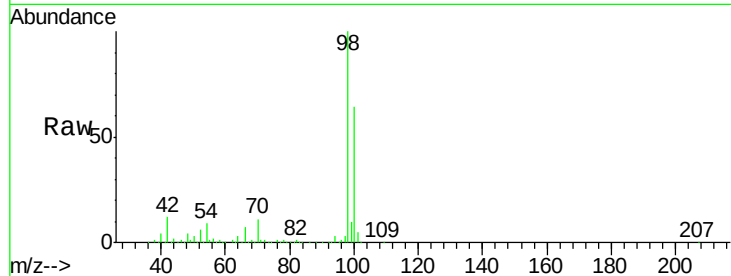
GHD1-SB-02-8-9

Tgt Ion: 98 Resp: 325895

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 51.31 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

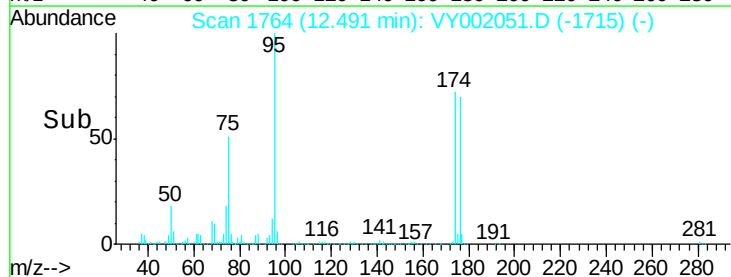
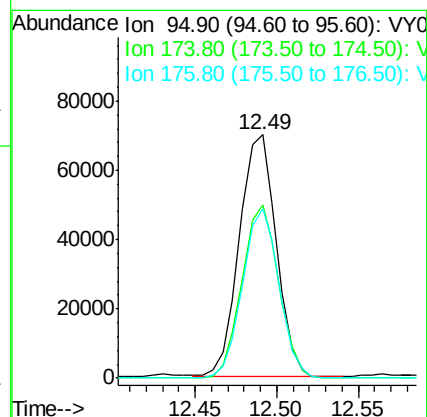
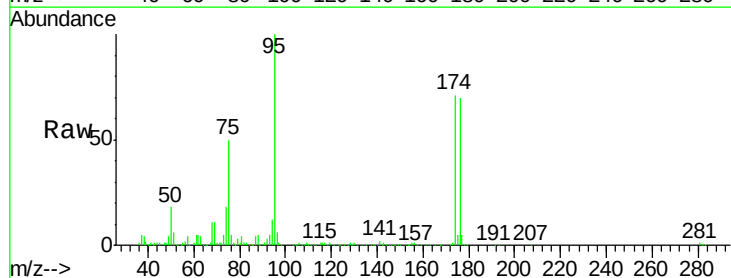
Tgt Ion: 95 Resp: 110257

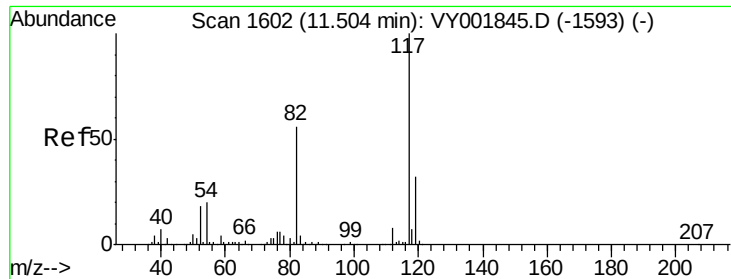
Ion Ratio Lower Upper

95 100

174 71.3 0.0 145.0

176 69.2 0.0 137.4

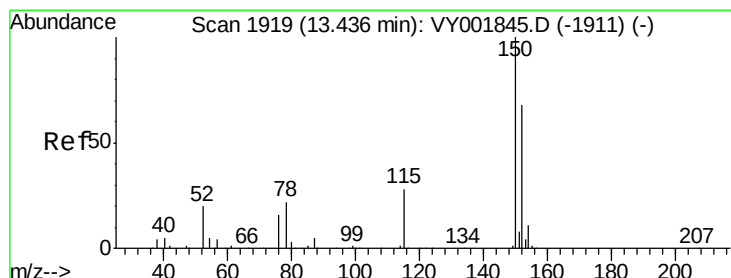
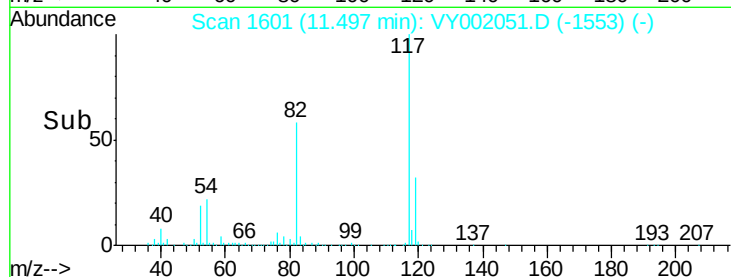
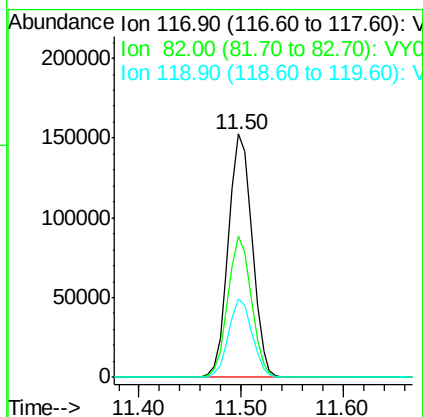
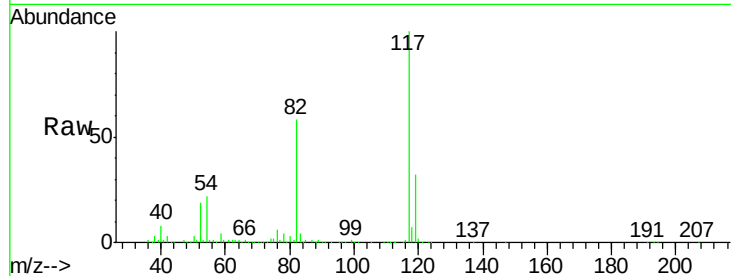




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002051.D
Acq: 24 Mar 2020 15:26

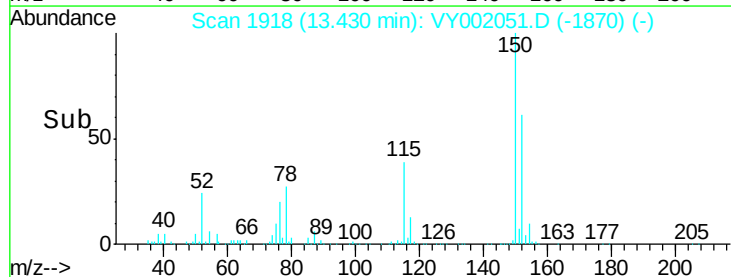
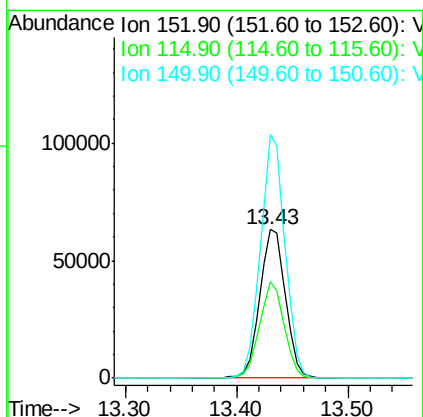
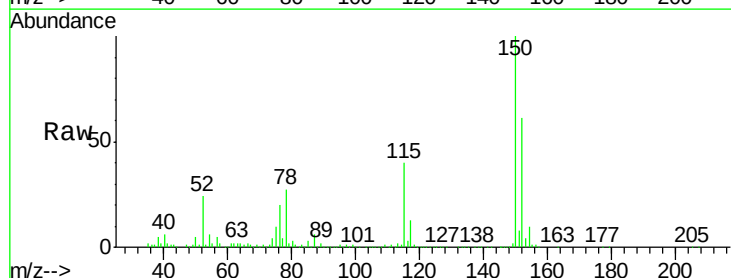
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-02-8-9

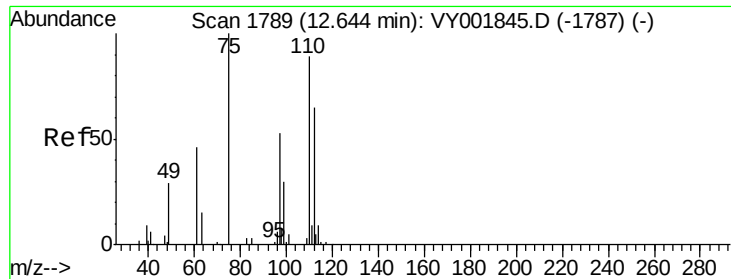
Tgt Ion:117 Resp: 245656
Ion Ratio Lower Upper
117 100
82 57.8 44.5 66.7
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002051.D
Acq: 24 Mar 2020 15:26

Tgt Ion:152 Resp: 101256
Ion Ratio Lower Upper
152 100
115 62.3 29.9 89.7
150 157.4 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 46.73 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

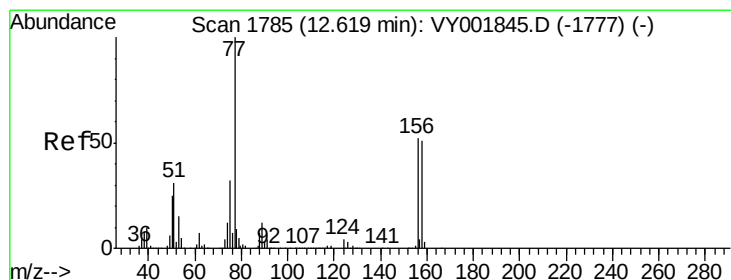
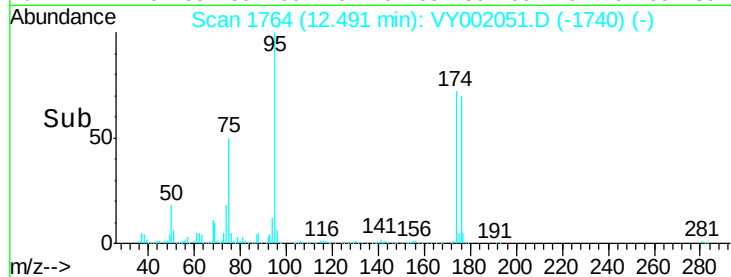
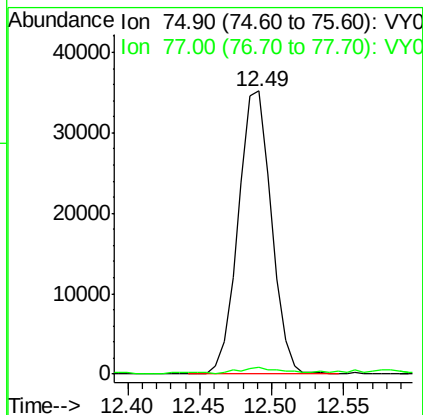
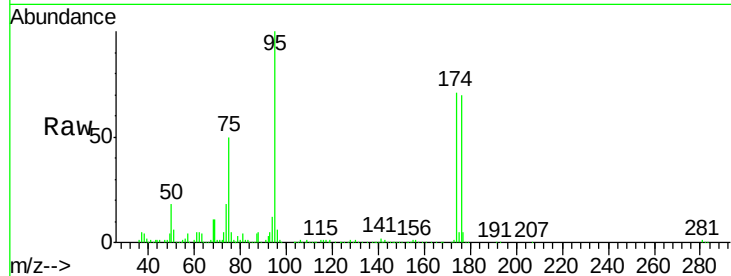
GHD1-SB-02-8-9

Tgt Ion: 75 Resp: 56144

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#



#77

Bromobenzene

Concen: 3.15 ug/l

RT: 12.53 min Scan# 1770

Delta R.T. -0.09 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

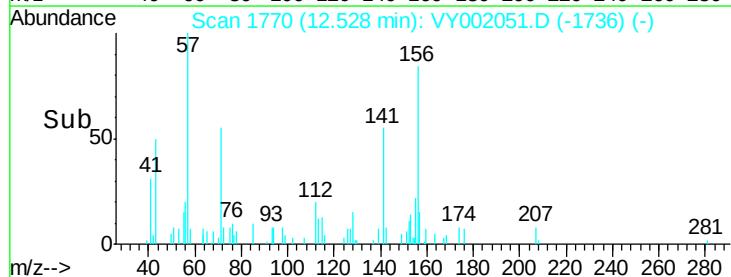
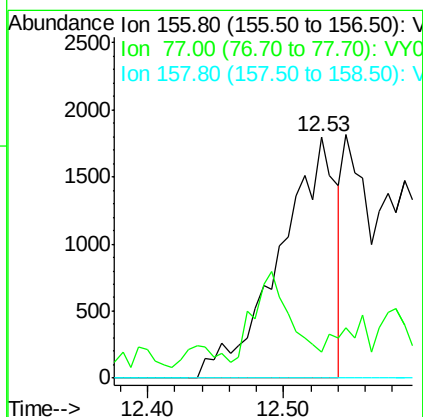
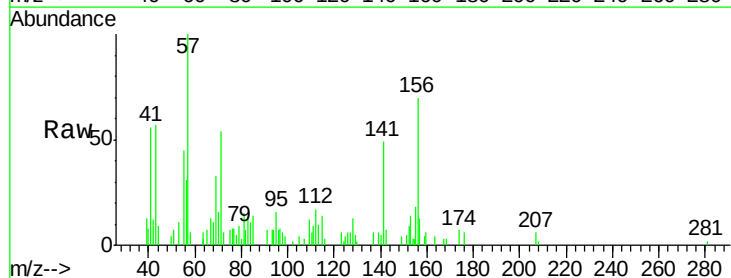
Tgt Ion: 156 Resp: 5166

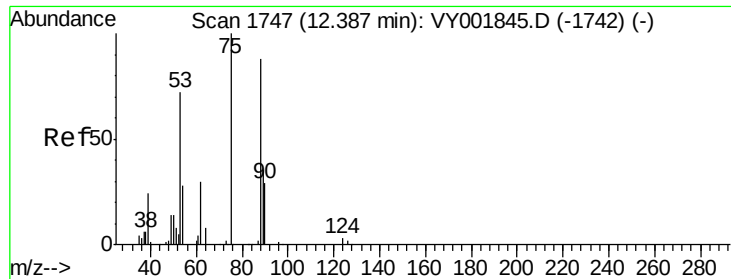
Ion Ratio Lower Upper

156 100

77 0.0 109.0 327.0#

158 0.0 48.9 146.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 94.39 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-02-8-9

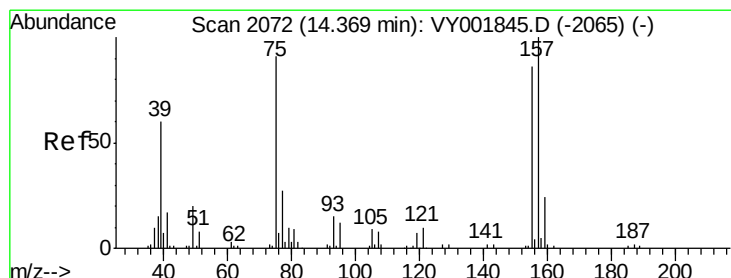
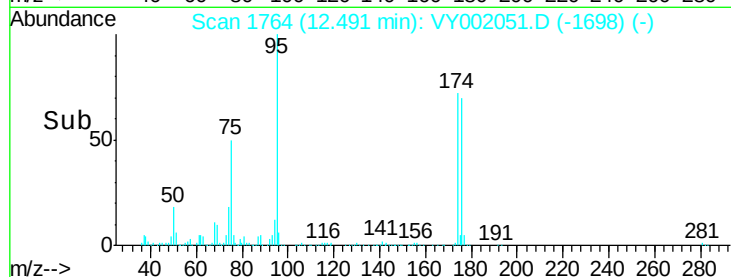
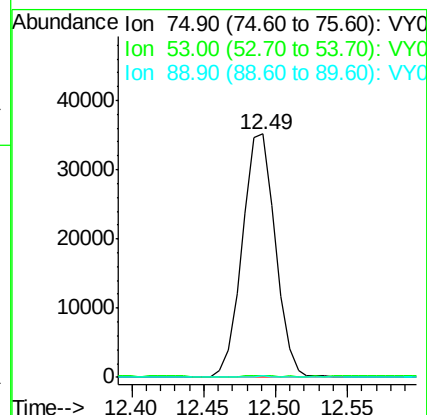
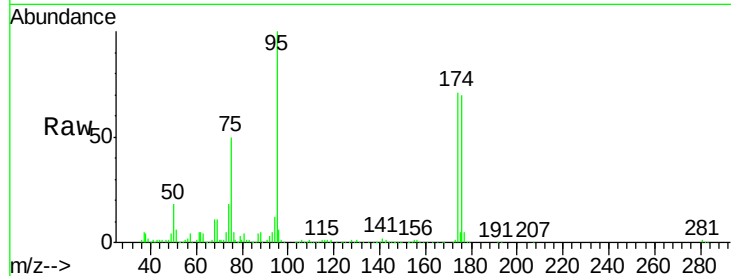
Tgt Ion: 75 Resp: 56144

Ion Ratio Lower Upper

75 100

53 0.3 65.4 98.0#

89 0.3 36.0 54.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 96.35 ug/l

RT: 14.56 min Scan# 2104

Delta R.T. 0.20 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

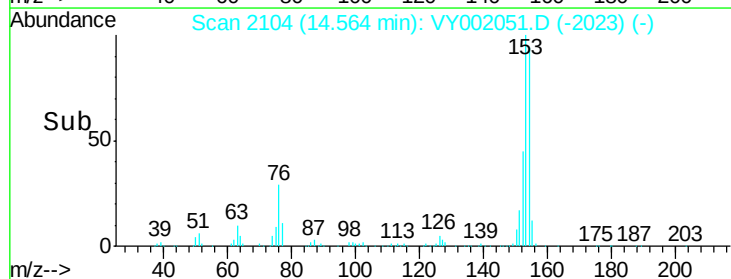
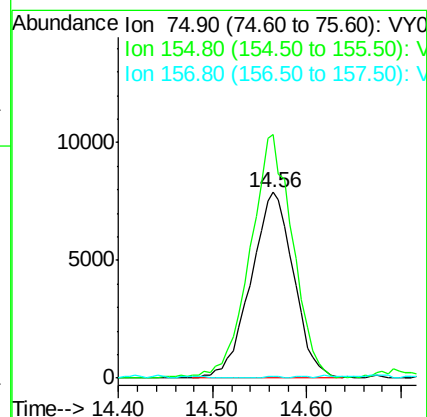
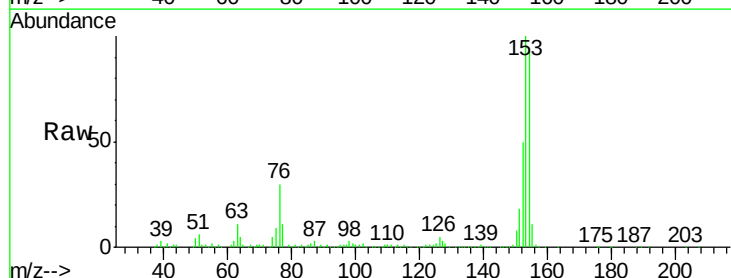
Tgt Ion: 75 Resp: 25061

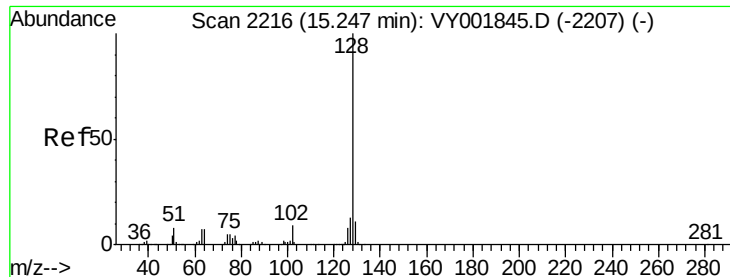
Ion Ratio Lower Upper

75 100

155 131.1 42.9 128.7#

157 0.3 53.1 159.4#





#95
Naphthalene
Concen: 1.25 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002051.D
Acq: 24 Mar 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-02-8-9

Tgt Ion:128 Resp: 5621
Ion Ratio Lower Upper
128 100
127 18.6 10.1 15.1#
129 19.2 8.6 13.0#

