

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031720\
 Data File : VY001998.D
 Acq On : 17 Mar 2020 17:11
 Operator : SY/MD
 Sample : L1958-03
 Misc : 4.55G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-01-1-2

Quant Time: Mar 17 17:31:19 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	136621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	259269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	223193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	78346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	83348	57.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.30%	
35) Dibromofluoromethane	7.74	113	75975	53.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.34%	
50) Toluene-d8	10.19	98	308355	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.49	95	93658	45.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.24%	

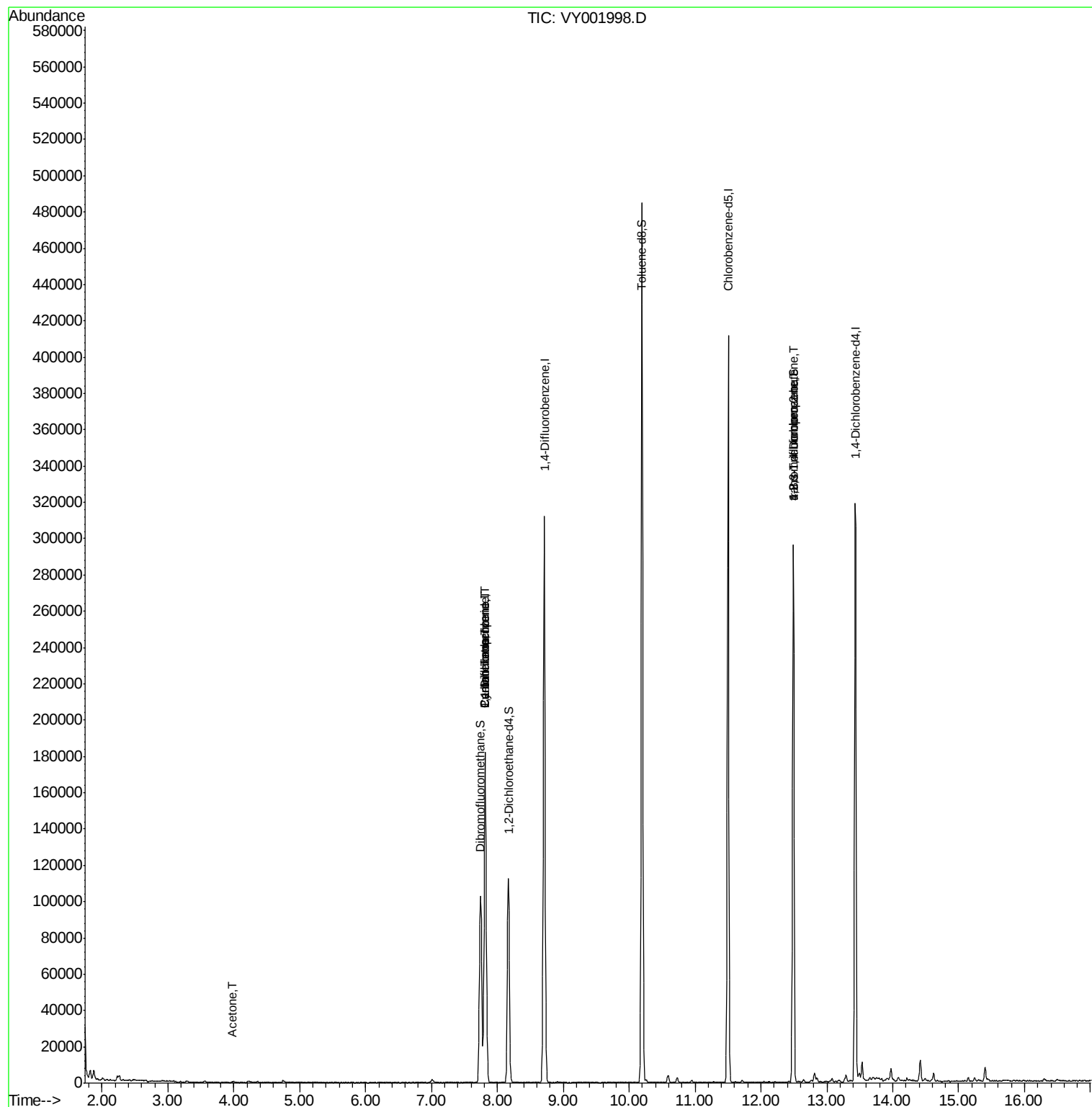
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	68	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	434	Below Cal	#	91
16) Acetone	3.98	43	839	1.98	ug/l	100
31) Cyclohexane	7.82	56	3208	1.00	ug/l	# 1
36) 1,1-Dichloropropene	7.82	75	11317	4.54	ug/l	# 50
38) Carbon Tetrachloride	7.81	117	13513	6.34	ug/l	# 16
76) 1,2,3-Trichloropropane	12.49	75	47662	51.27	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	47662	103.56	ug/l	# 17

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

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GHD1-SB-01-1-2

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

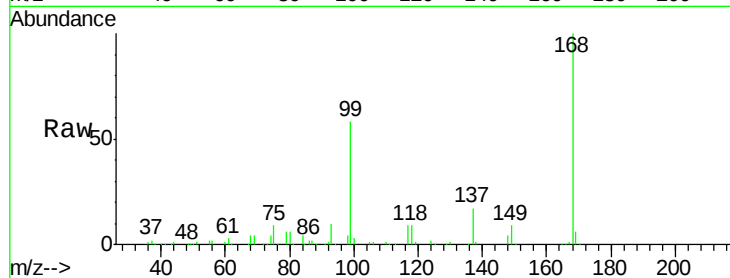
GHD1-SB-01-1-2

Tgt Ion:168 Resp: 136621

Ion Ratio Lower Upper

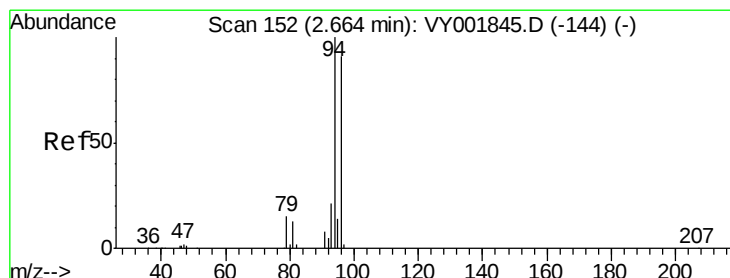
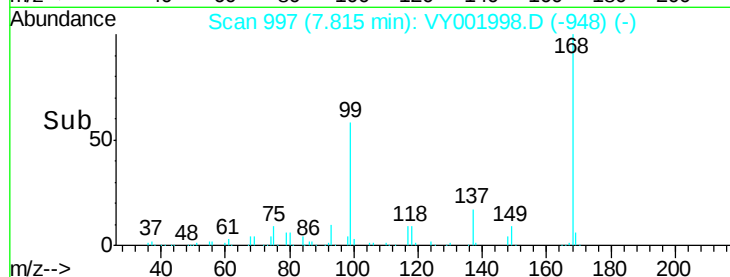
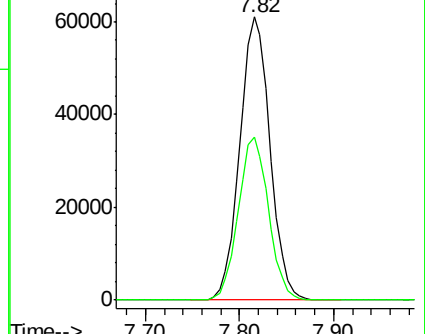
168 100

99 57.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001998.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001998.D (-948) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001998.D

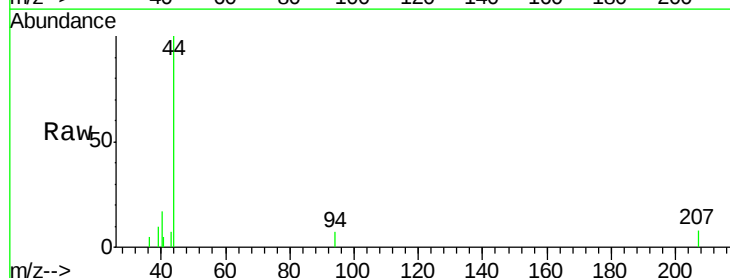
Acq: 17 Mar 2020 17:11

Tgt Ion: 94 Resp: 68

Ion Ratio Lower Upper

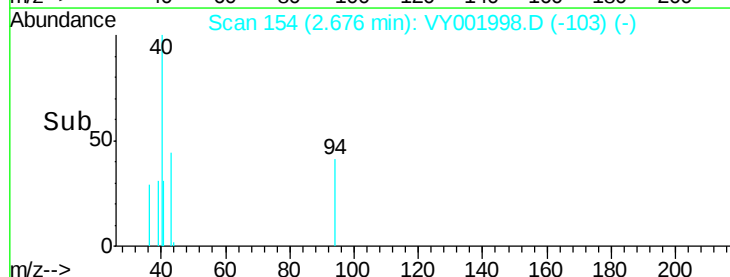
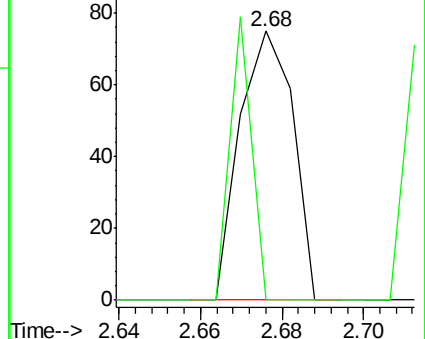
94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001998.D (-103) (-)

Ion 95.90 (95.60 to 96.60): VY001998.D (-103) (-)



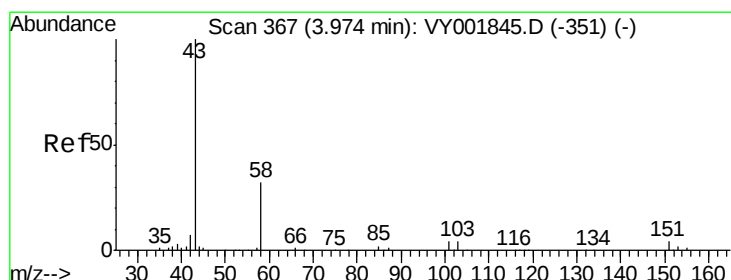
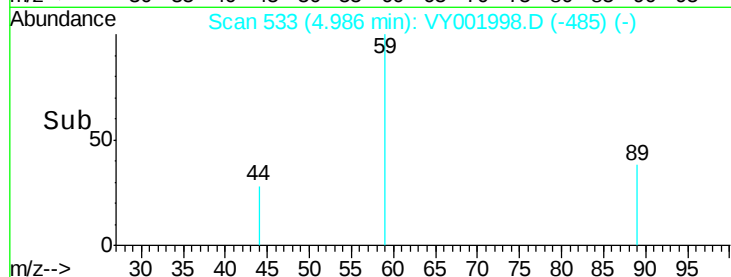
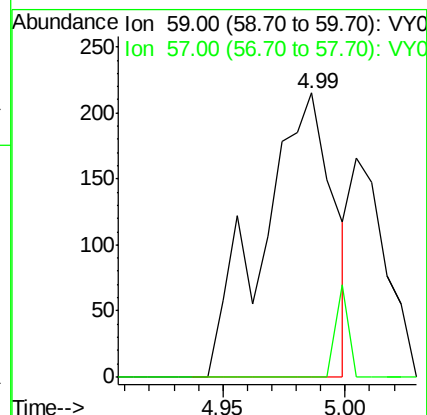
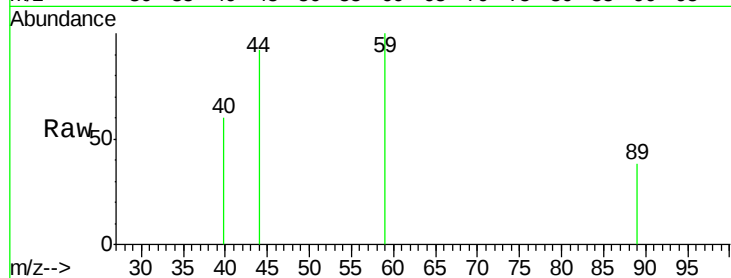


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY001998.D
 Acq: 17 Mar 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-01-1-2

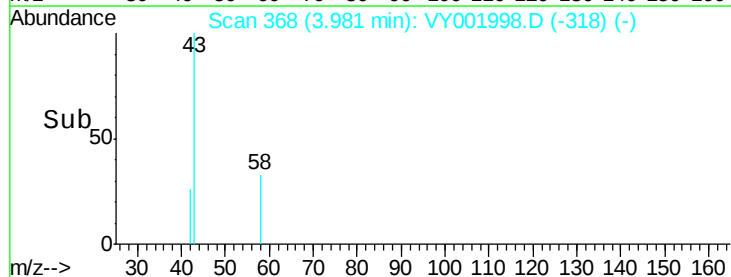
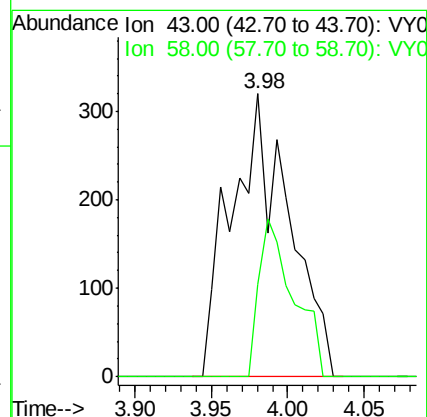
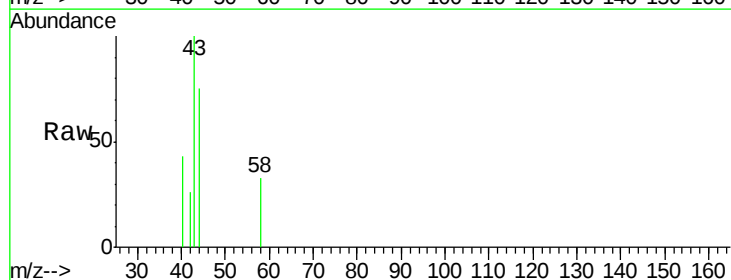
Tgt Ion: 59 Resp: 434
 Ion Ratio Lower Upper
 59 100
 57 6.0 7.4 11.2#

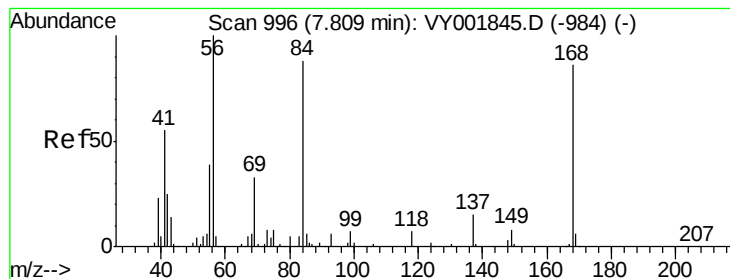


#16

Acetone
 Concen: 1.98 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY001998.D
 Acq: 17 Mar 2020 17:11

Tgt Ion: 43 Resp: 839
 Ion Ratio Lower Upper
 43 100
 58 32.5 25.9 38.9





#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-01-1-2

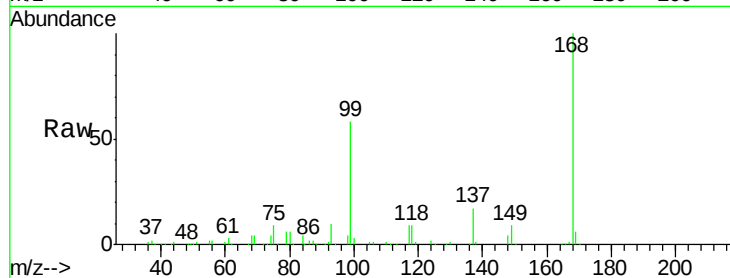
Tgt Ion: 56 Resp: 3208

Ion Ratio Lower Upper

56 100

69 189.4 26.7 40.1#

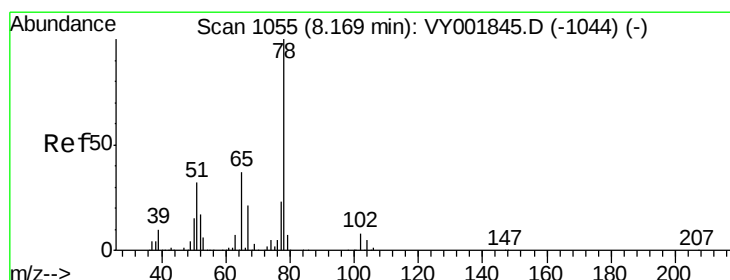
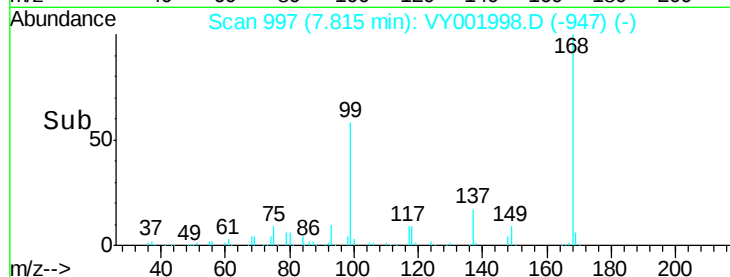
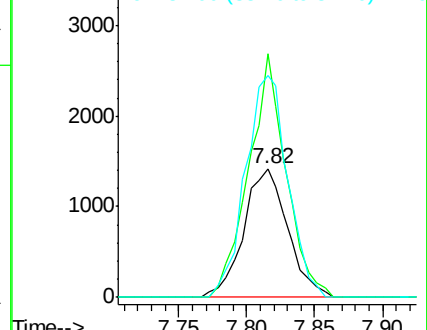
84 185.9 70.4 105.6#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 57.15 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY001998.D

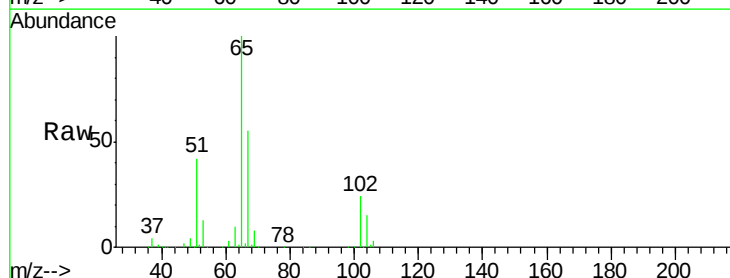
Acq: 17 Mar 2020 17:11

Tgt Ion: 65 Resp: 83348

Ion Ratio Lower Upper

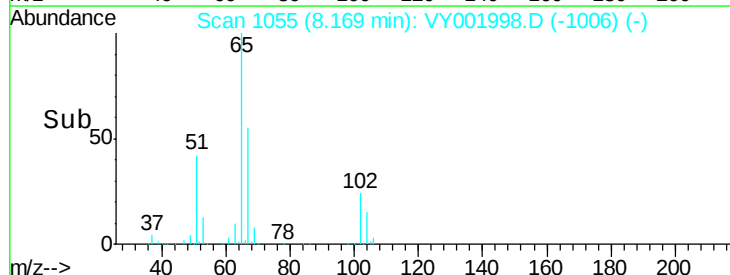
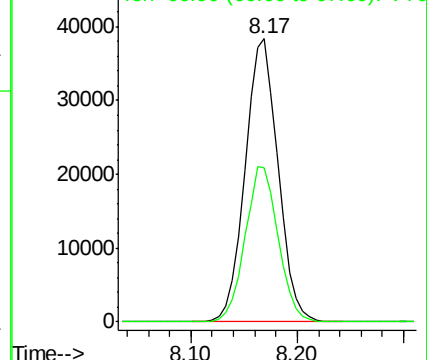
65 100

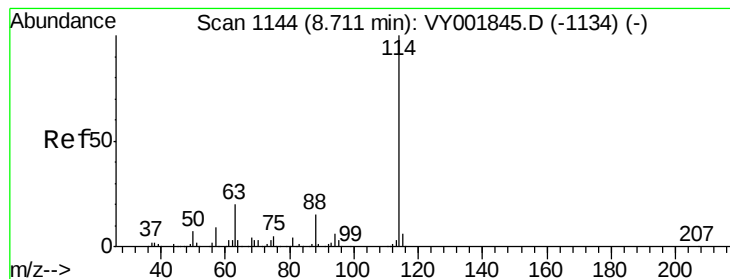
67 54.9 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-01-1-2

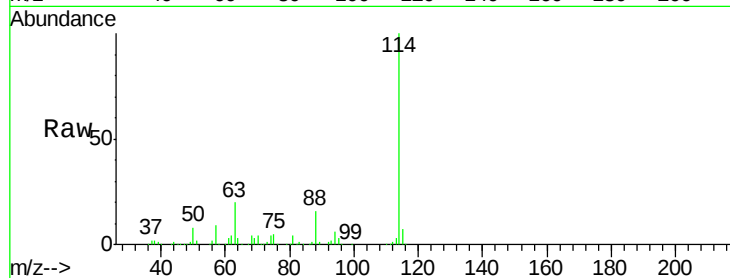
Tgt Ion:114 Resp: 259269

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

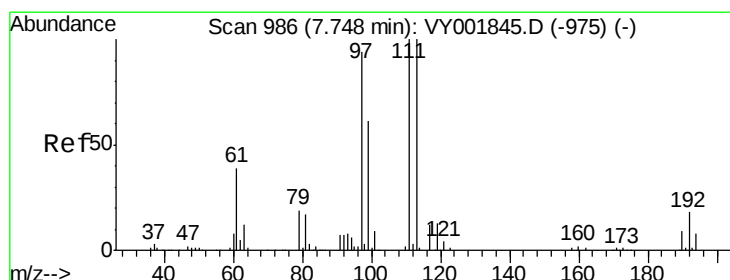
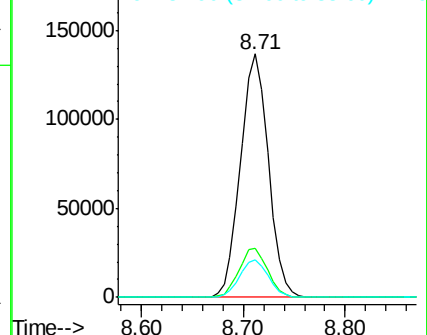
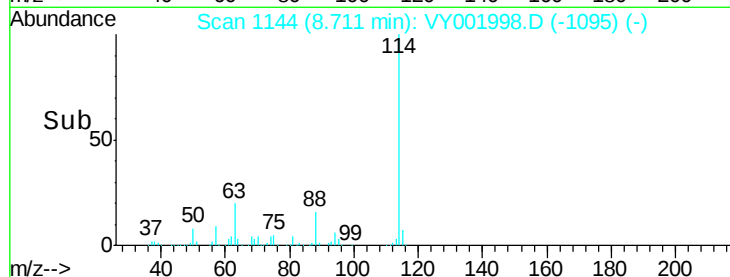
88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.67 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

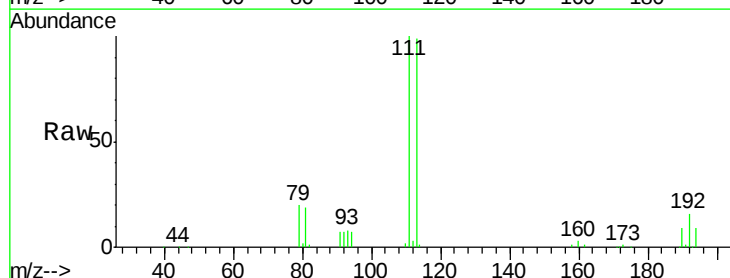
Tgt Ion:113 Resp: 75975

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

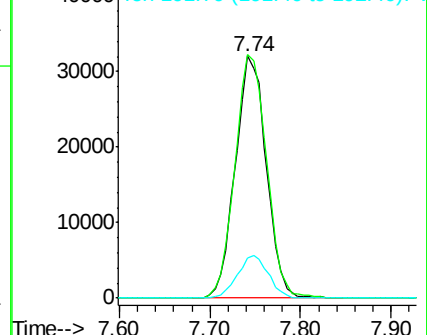
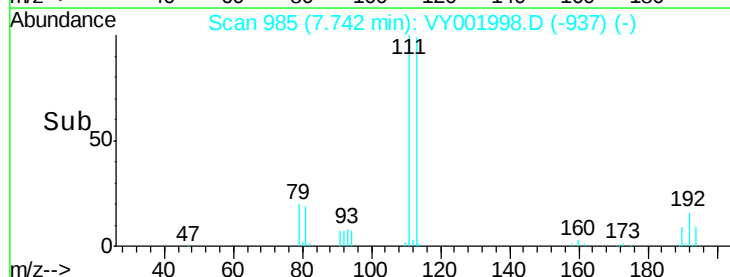
192 17.3 14.2 21.2

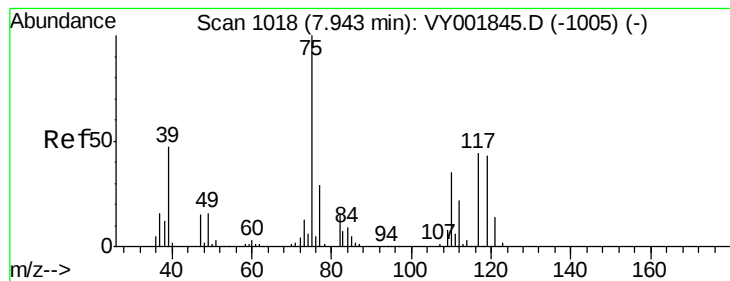


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.54 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-01-1-2

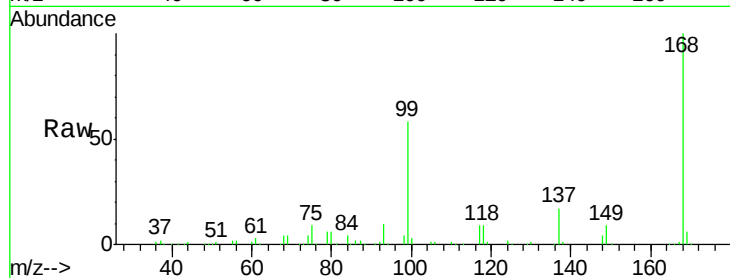
Tgt Ion: 75 Resp: 11317

Ion Ratio Lower Upper

75 100

110 8.2 17.4 52.2#

77 0.0 24.2 36.2#

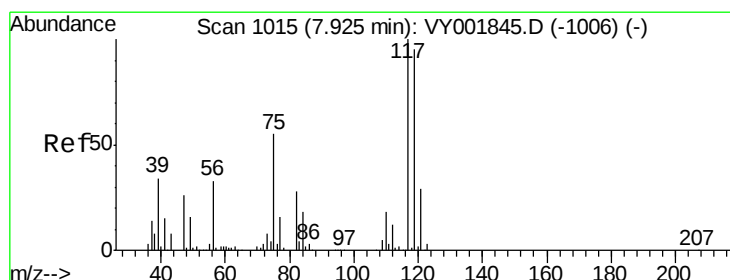
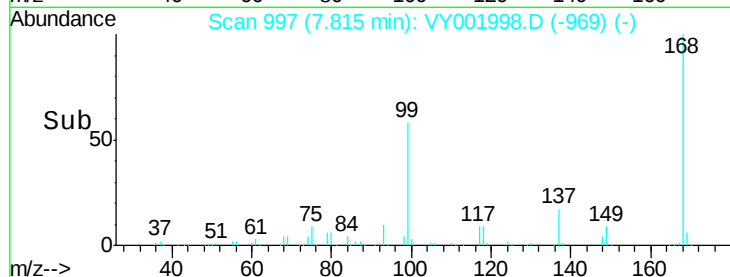


Abundance Ion 74.90 (74.60 to 75.60): VY001998.D (-969) (-)

Ion 109.90 (109.60 to 110.60): VY001998.D (-969) (-)

Ion 76.90 (76.60 to 77.60): VY001998.D (-969) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.34 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

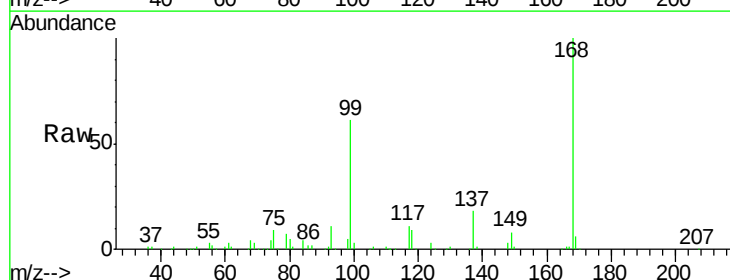
Tgt Ion: 117 Resp: 13513

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

121 0.0 23.5 35.3#

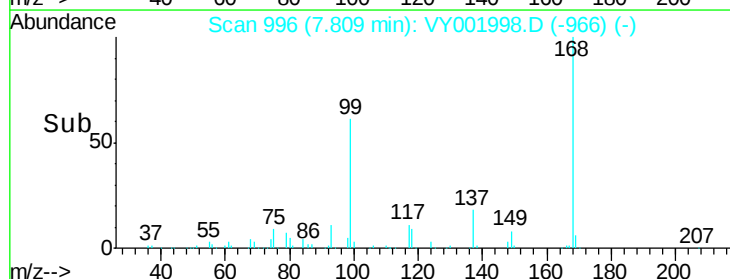


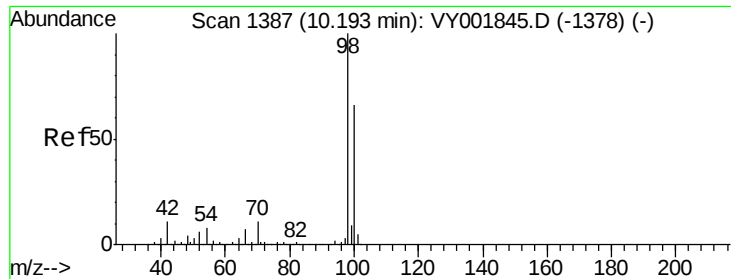
Abundance Ion 116.80 (116.50 to 117.50): VY001998.D (-966) (-)

Ion 118.80 (118.50 to 119.50): VY001998.D (-966) (-)

Ion 120.80 (120.50 to 121.50): VY001998.D (-966) (-)

Time-->





#50

Toluene-d8

Concen: 51.65 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

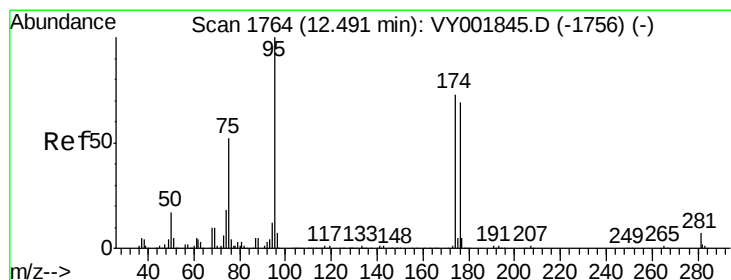
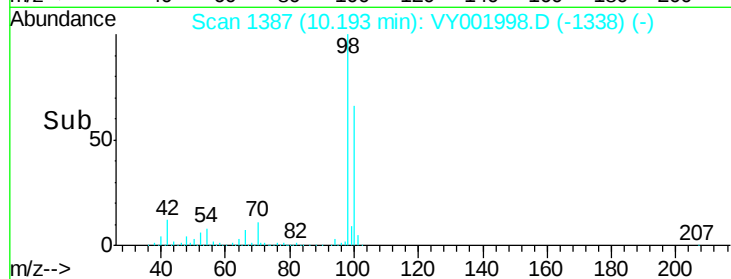
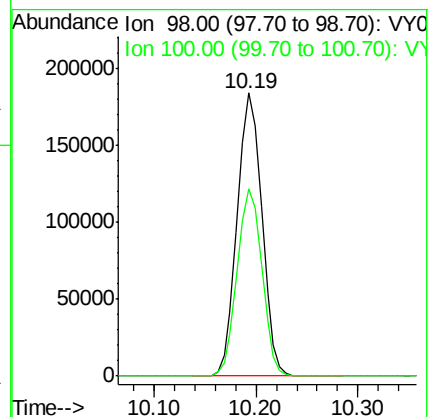
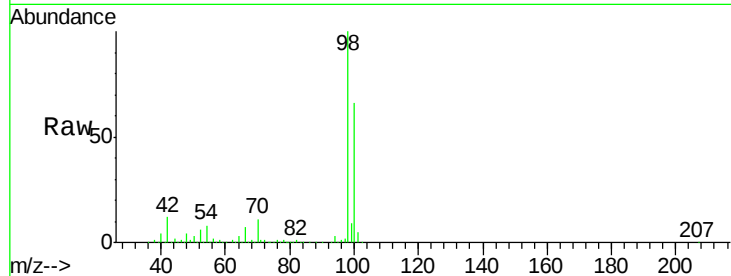
GHD1-SB-01-1-2

Tgt Ion: 98 Resp: 308355

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 45.12 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

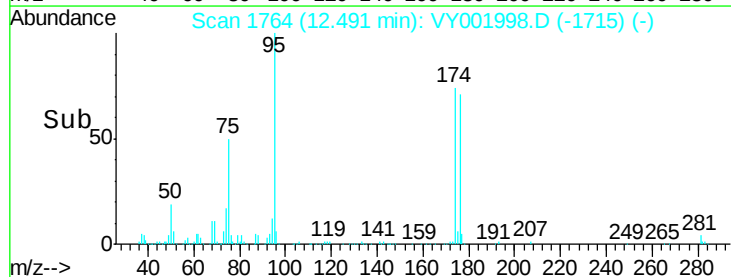
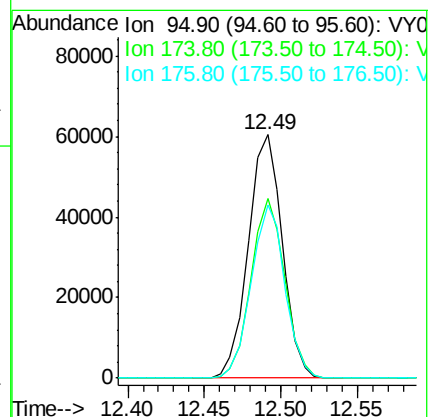
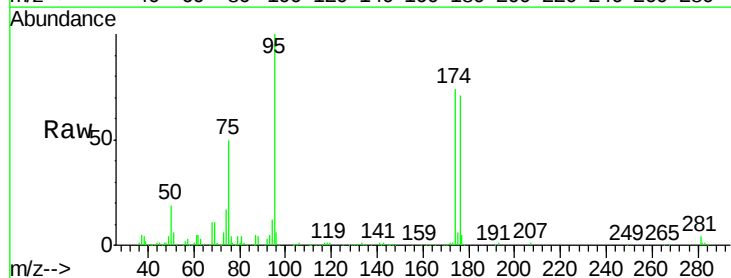
Tgt Ion: 95 Resp: 93658

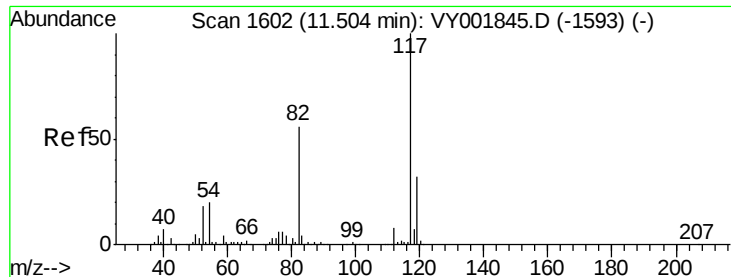
Ion Ratio Lower Upper

95 100

174 73.0 0.0 145.0

176 70.4 0.0 137.4

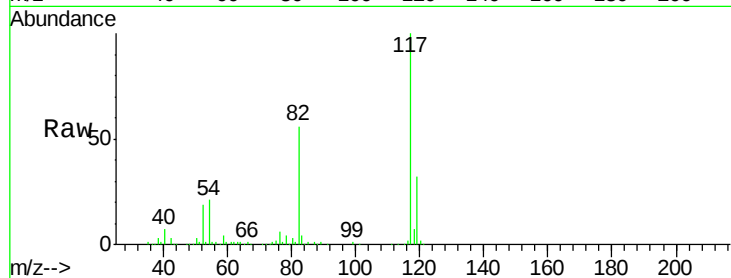




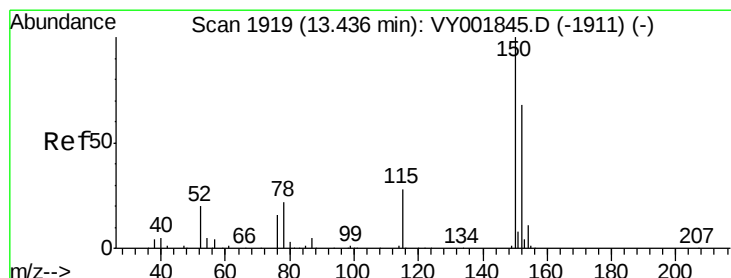
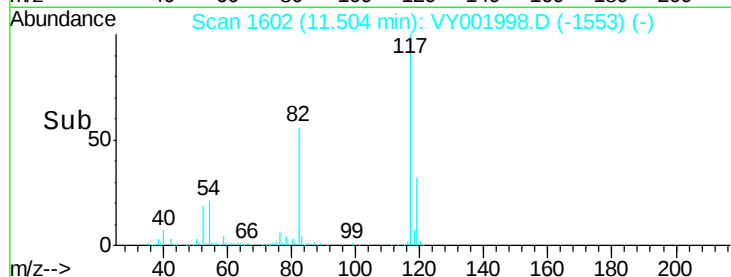
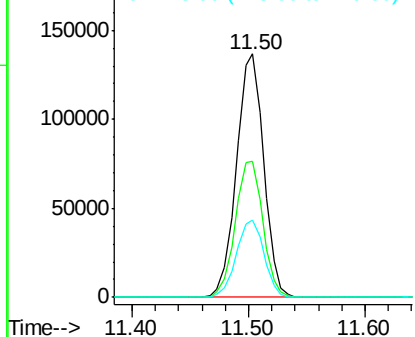
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001998.D
Acq: 17 Mar 2020 17:11

Instrument :
MSVOA_Y
ClientSampled :
GHD1-SB-01-1-2

Tgt Ion:117 Resp: 223193
Ion Ratio Lower Upper
117 100
82 55.8 44.5 66.7
119 31.8 25.7 38.5

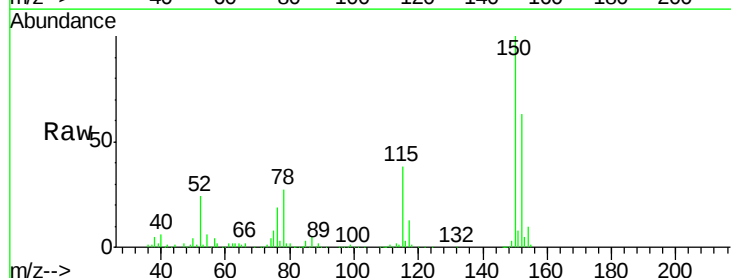


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

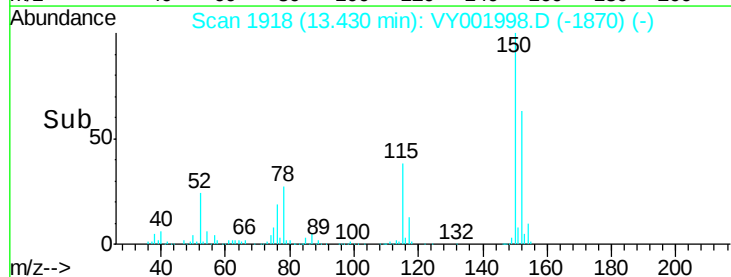
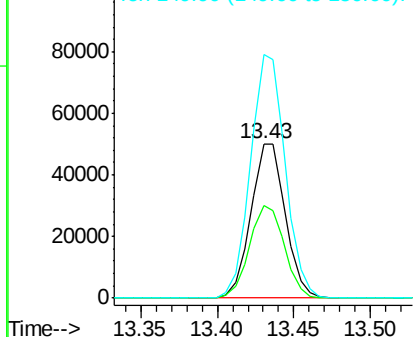


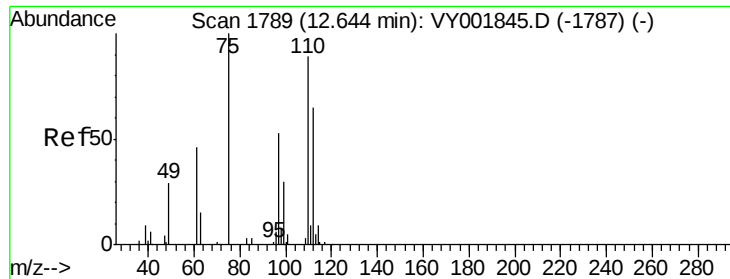
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001998.D
Acq: 17 Mar 2020 17:11

Tgt Ion:152 Resp: 78346
Ion Ratio Lower Upper
152 100
115 61.0 29.9 89.7
150 159.2 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 51.27 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

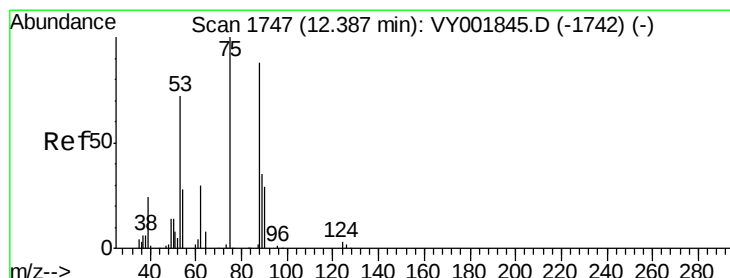
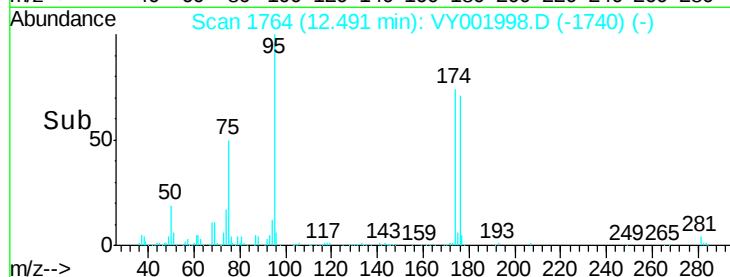
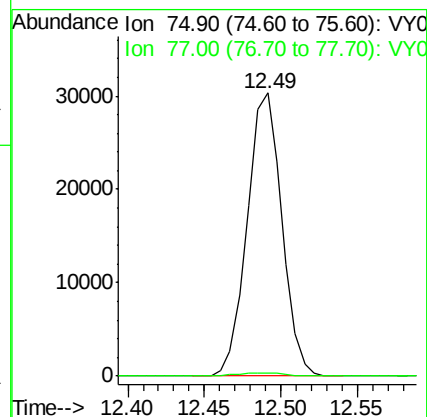
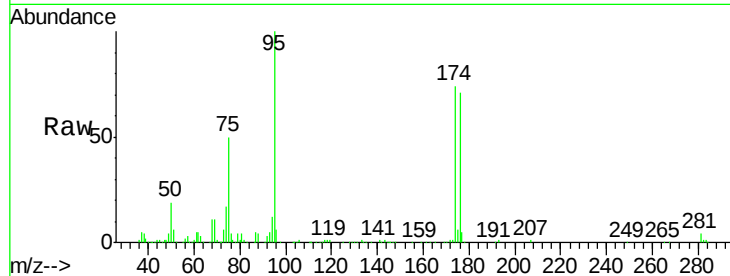
GHD1-SB-01-1-2

Tgt Ion: 75 Resp: 47662

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.56 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001998.D

Acq: 17 Mar 2020 17:11

Tgt Ion: 75 Resp: 47662

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.2 36.0 54.0#

