

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031720\
 Data File : VY001996.D
 Acq On : 17 Mar 2020 16:26
 Operator : SY/MD
 Sample : L1958-01
 Misc : 6.4G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-04-1-2

Quant Time: Mar 17 17:22:50 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	134346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	259822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	218747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	70101	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	82901	57.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.60%	
35) Dibromofluoromethane	7.74	113	76696	54.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.12%	
50) Toluene-d8	10.19	98	310331	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.49	95	89353	42.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.90%	

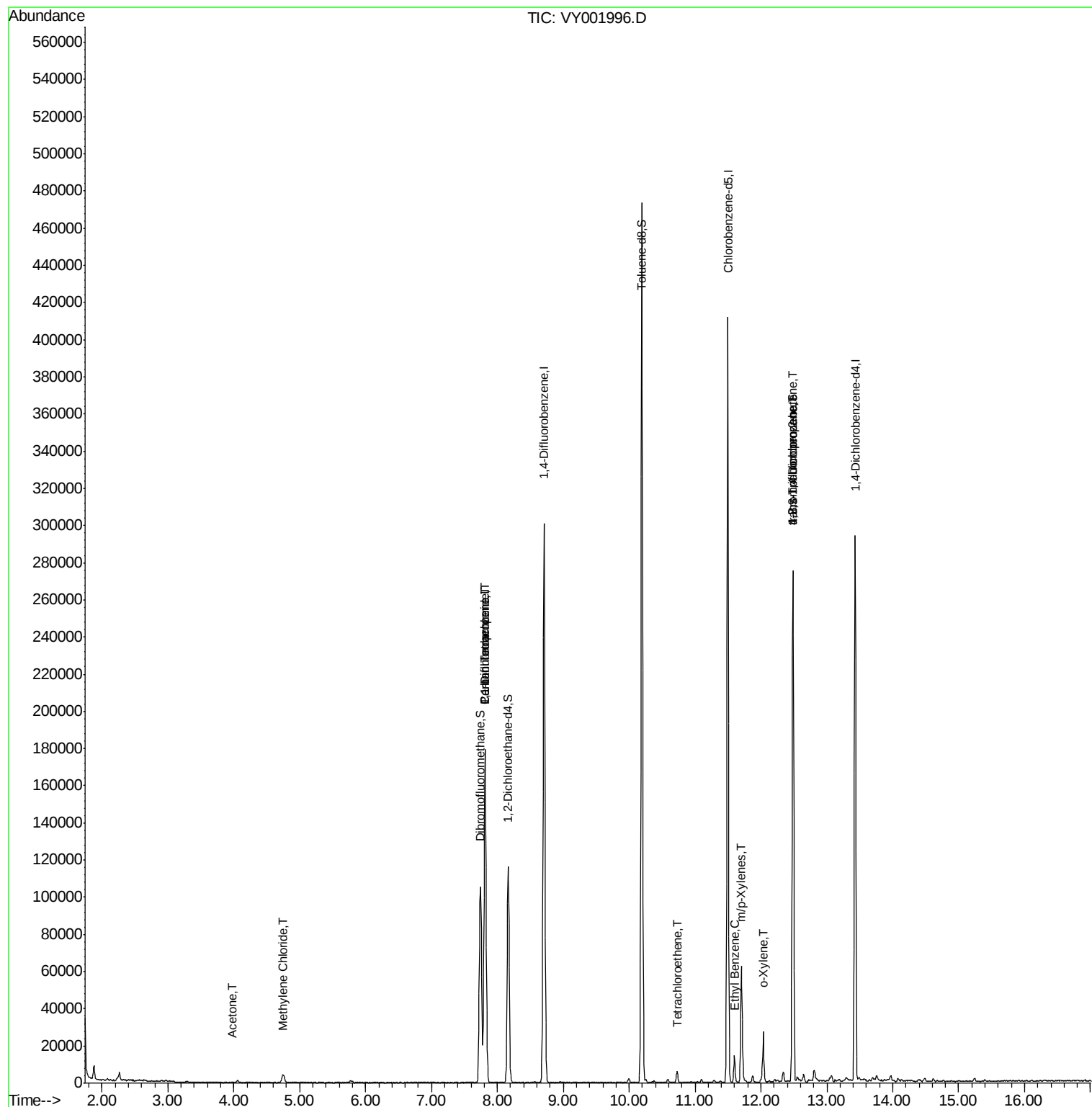
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	74	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	36	Below Cal	#	74
16) Acetone	3.97	43	513	1.23	ug/l #	42
20) Methylene Chloride	4.75	84	3315	1.85	ug/l	97
36) 1,1-Dichloropropene	7.82	75	11696	4.68	ug/l #	50
38) Carbon Tetrachloride	7.82	117	13890	6.50	ug/l #	16
64) Tetrachloroethene	10.73	164	1391	1.01	ug/l #	78
67) Ethyl Benzene	11.60	91	9874	1.21	ug/l	95
68) m/p-Xylenes	11.70	106	18645	6.20	ug/l	97
69) o-Xylene	12.03	106	6799	2.40	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	44887	53.96	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	44887	109.00	ug/l #	17

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

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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: VY001996.D

Acq: 17 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

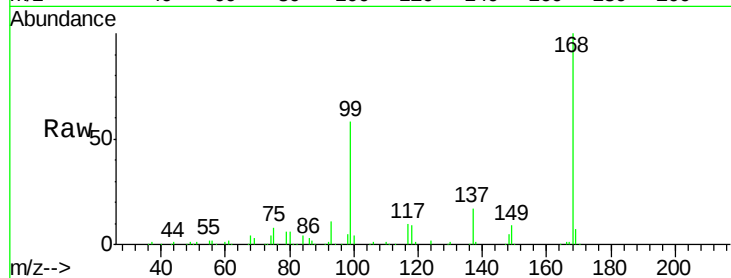
GHD1-SB-04-1-2

Tgt Ion:168 Resp: 134346

Ion Ratio Lower Upper

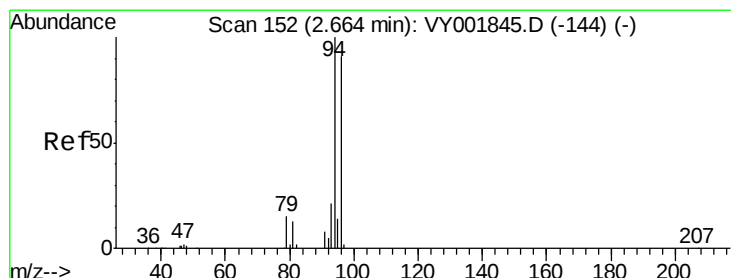
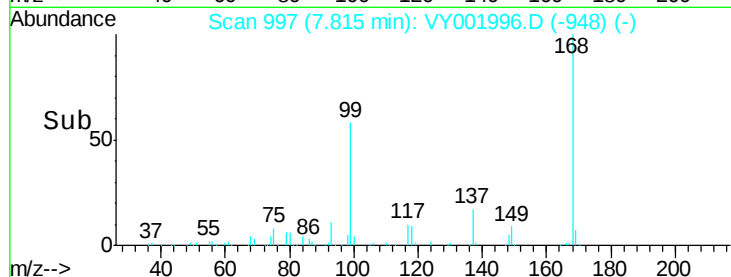
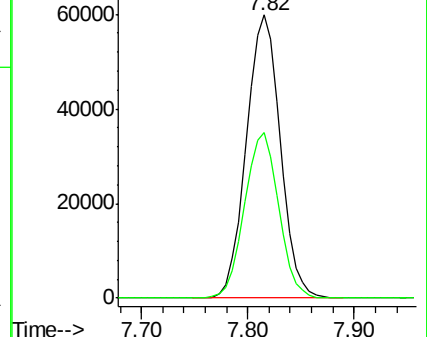
168 100

99 58.4 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: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001996.D

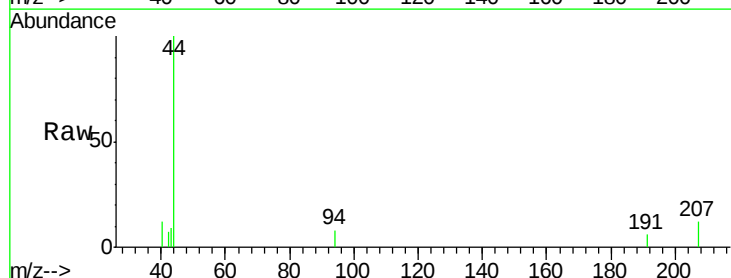
Acq: 17 Mar 2020 16:26

Tgt Ion: 94 Resp: 74

Ion Ratio Lower Upper

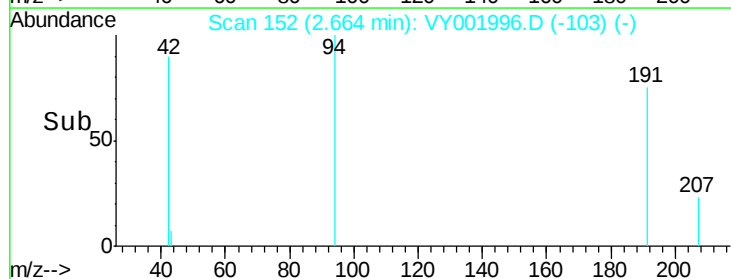
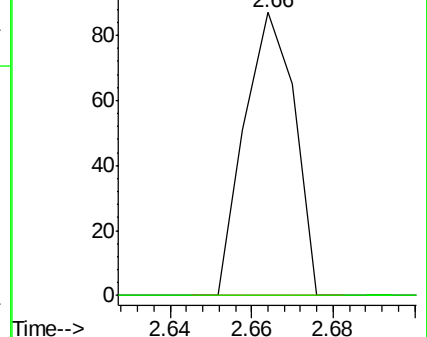
94 100

96 0.0 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) (-)



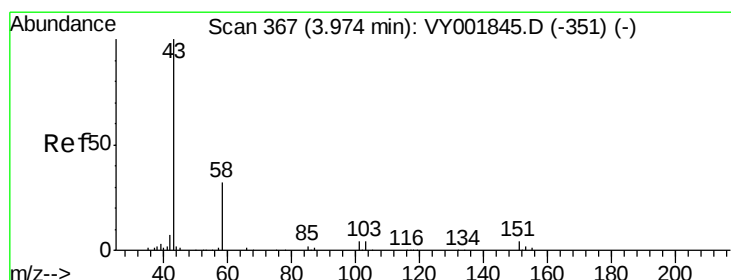
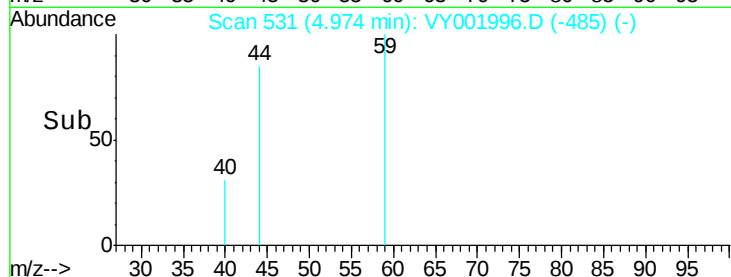
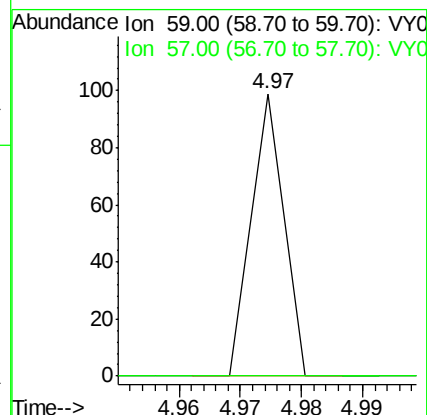
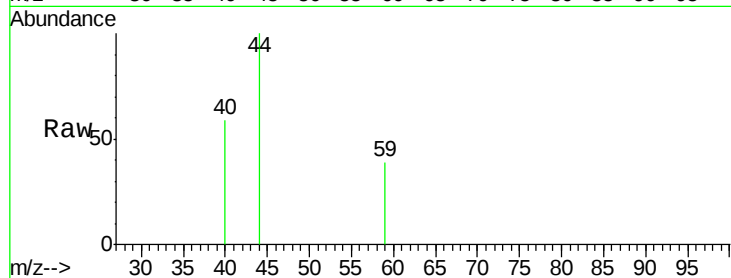


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001996.D
 Acq: 17 Mar 2020 16:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-04-1-2

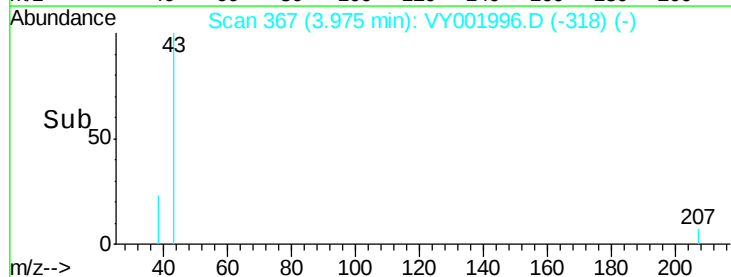
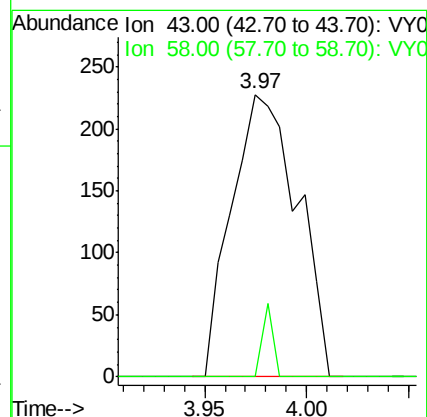
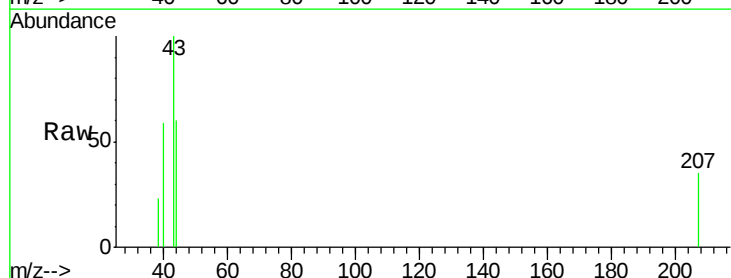
Tgt Ion: 59 Resp: 36
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

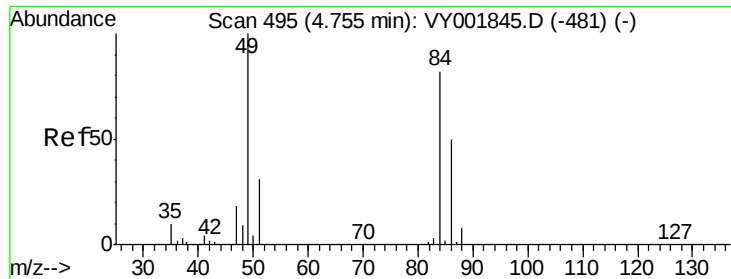


#16

Acetone
 Concen: 1.23 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY001996.D
 Acq: 17 Mar 2020 16:26

Tgt Ion: 43 Resp: 513
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 38.9#

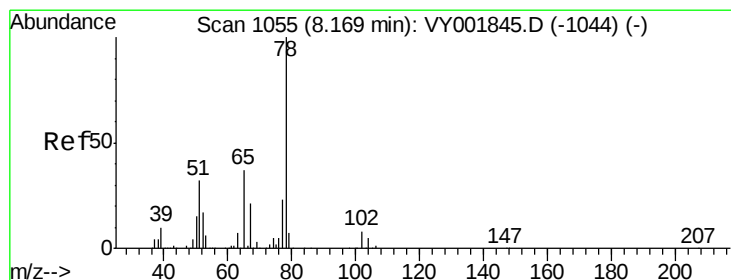
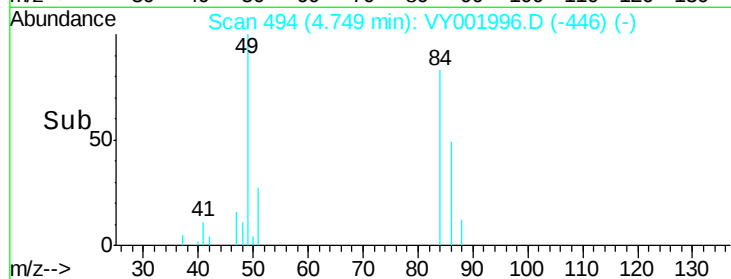
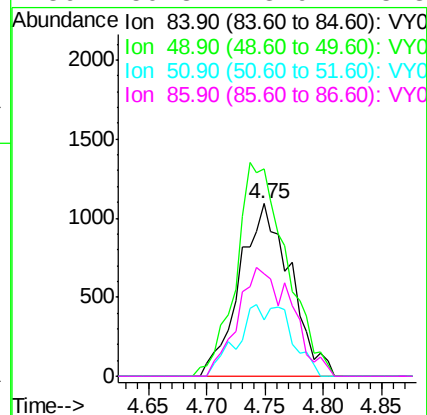
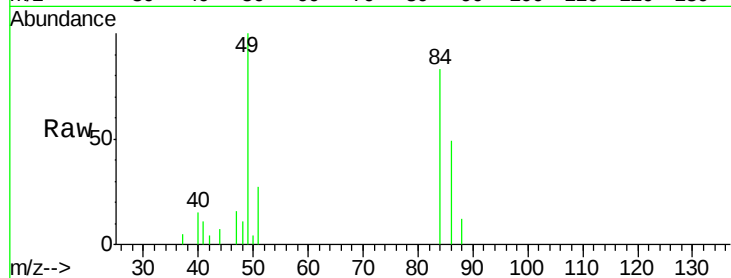




#20
Methylene Chloride
Concen: 1.85 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001996.D
Acq: 17 Mar 2020 16:26

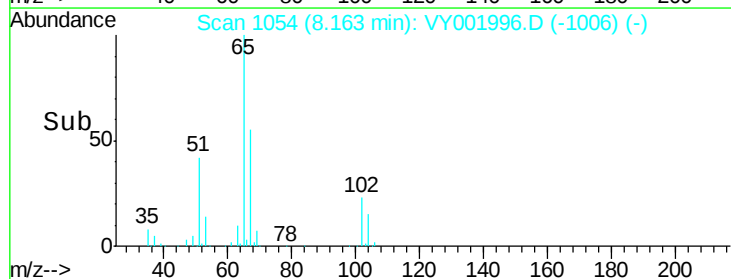
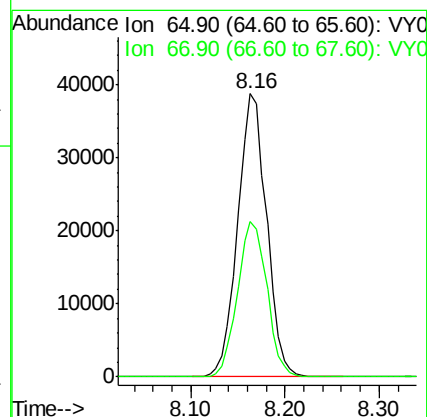
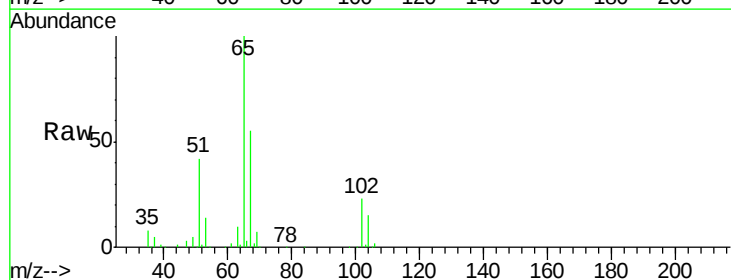
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-04-1-2

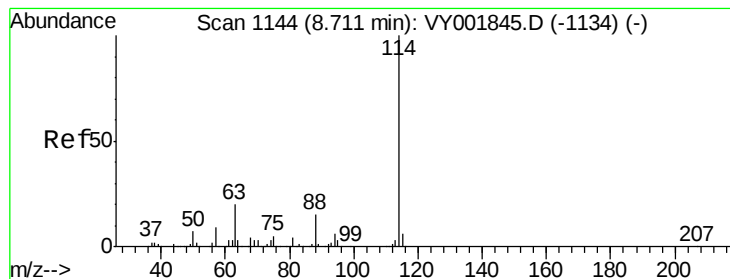
Tgt Ion: 84 Resp: 3315
Ion Ratio Lower Upper
84 100
49 120.3 98.2 147.2
51 33.0 30.2 45.2
86 59.3 48.9 73.3



#33
1,2-Dichloroethane-d4
Concen: 57.80 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001996.D
Acq: 17 Mar 2020 16:26

Tgt Ion: 65 Resp: 82901
Ion Ratio Lower Upper
65 100
67 55.8 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: VY001996.D

Acq: 17 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-04-1-2

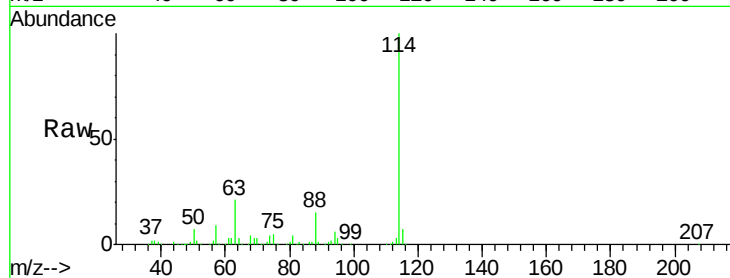
Tgt Ion:114 Resp: 259822

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.4

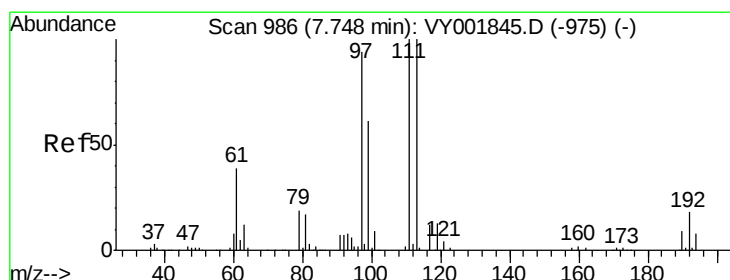
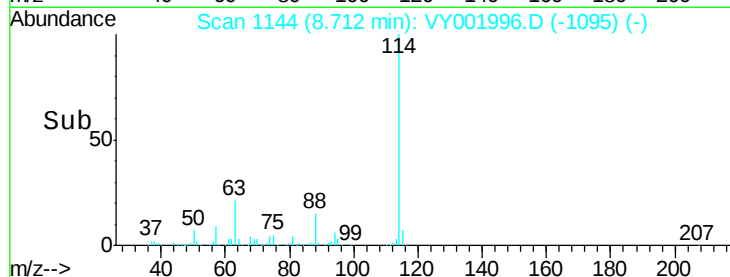
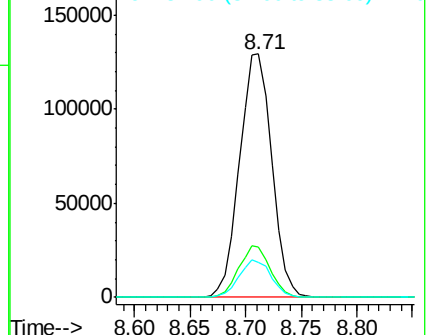
88 14.5 0.0 30.4



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: 54.06 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001996.D

Acq: 17 Mar 2020 16:26

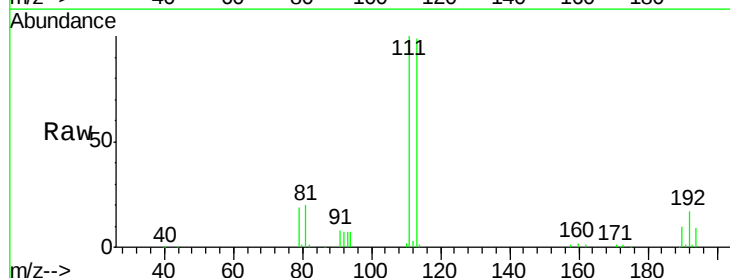
Tgt Ion:113 Resp: 76696

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

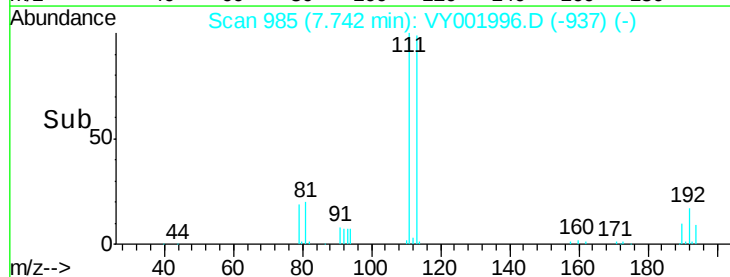
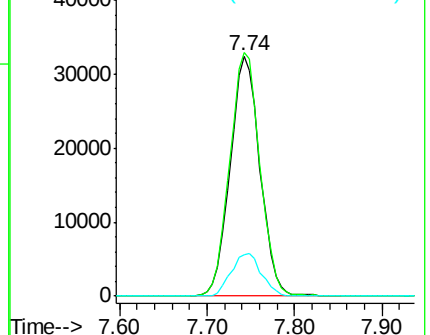
192 18.0 14.2 21.2

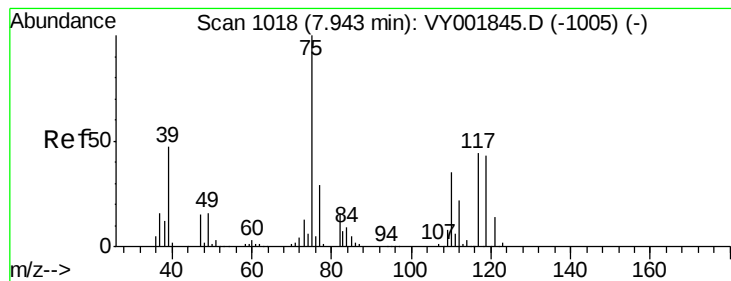


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.68 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001996.D

Acq: 17 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-04-1-2

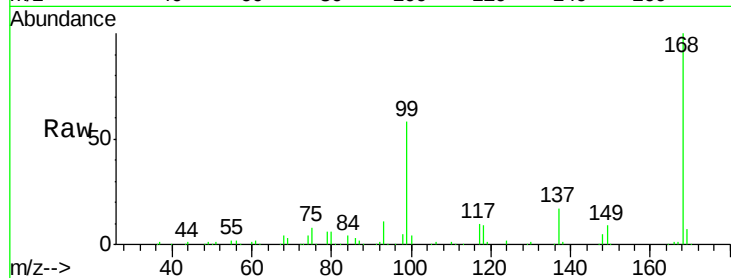
Tgt Ion: 75 Resp: 11696

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.2#

77 0.0 24.2 36.2#

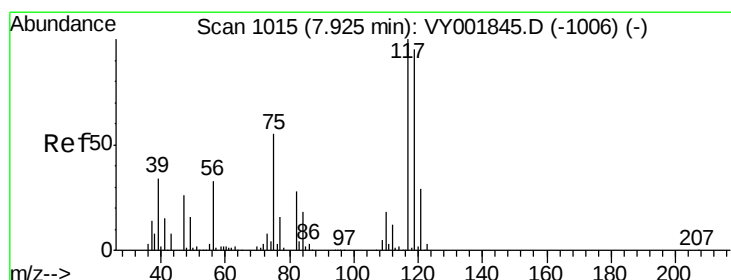
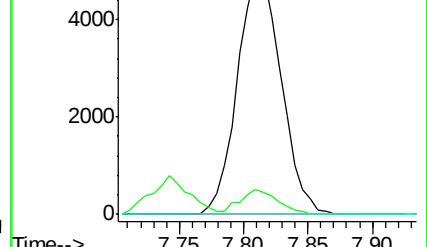
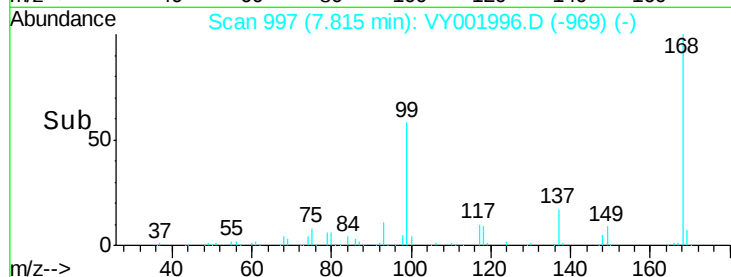


Abundance Ion 74.90 (74.60 to 75.60): VY001845.D (-1005) (-)

Ion 109.90 (109.60 to 110.60): VY001845.D (-1005) (-)

Ion 76.90 (76.60 to 77.60): VY001845.D (-1005) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.50 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY001996.D

Acq: 17 Mar 2020 16:26

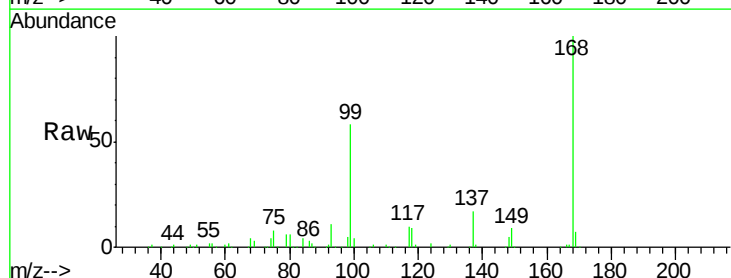
Tgt Ion: 117 Resp: 13890

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

121 0.0 23.5 35.3#

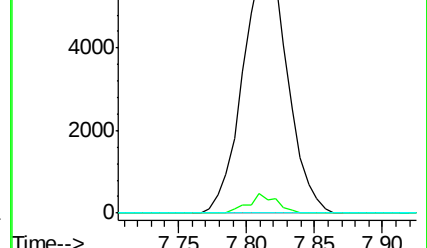
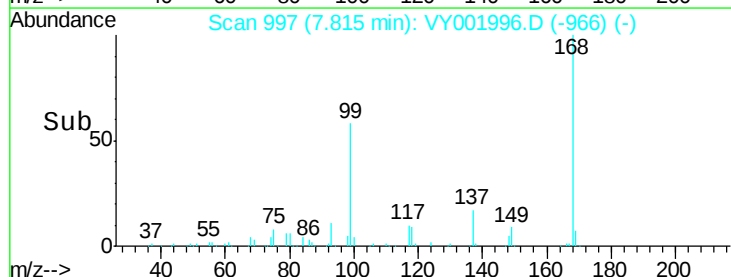


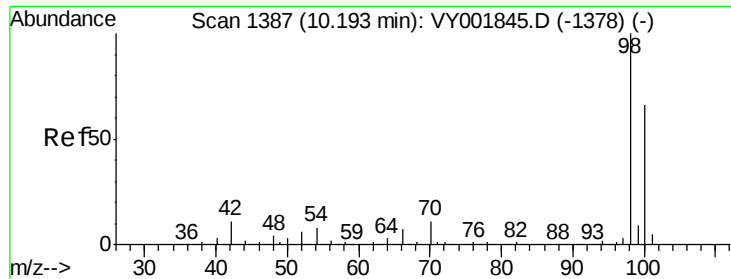
Abundance Ion 116.80 (116.50 to 117.50): VY001845.D (-1006) (-)

Ion 118.80 (118.50 to 119.50): VY001845.D (-1006) (-)

Ion 120.80 (120.50 to 121.50): VY001845.D (-1006) (-)

Time-->





#50

Toluene-d8

Concen: 51.87 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001996.D

Acq: 17 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

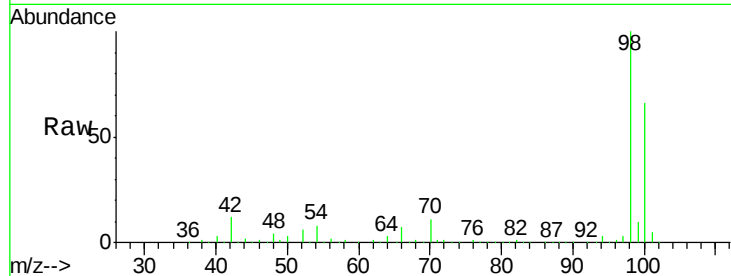
GHD1-SB-04-1-2

Tgt Ion: 98 Resp: 310331

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

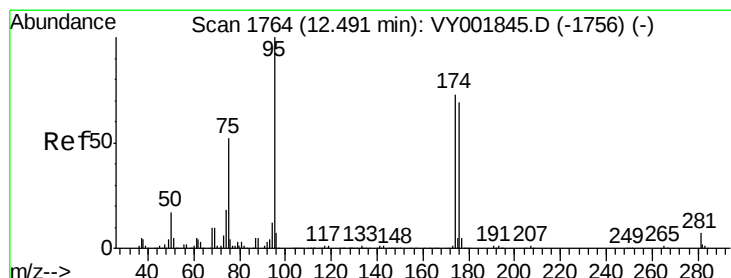
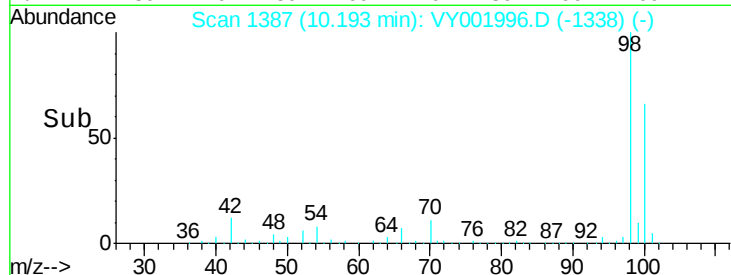
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.95 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001996.D

Acq: 17 Mar 2020 16:26

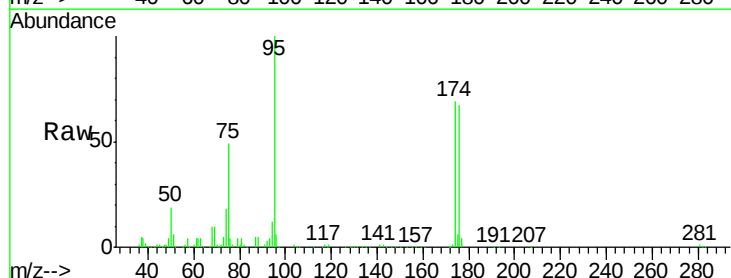
Tgt Ion: 95 Resp: 89353

Ion Ratio Lower Upper

95 100

174 72.9 0.0 145.0

176 69.2 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

12.49

80000

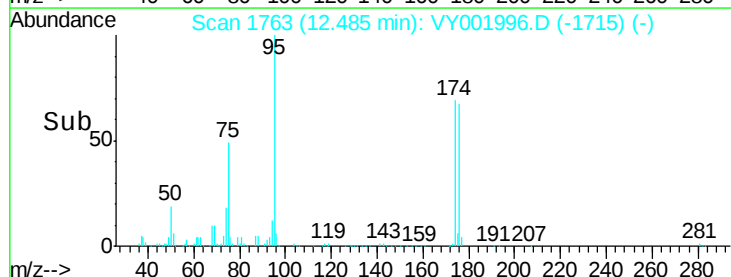
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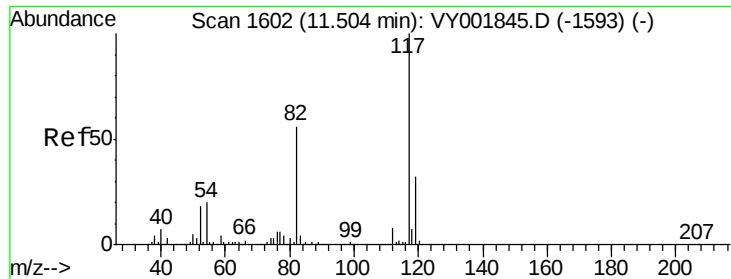
40000

20000

0

Time-->

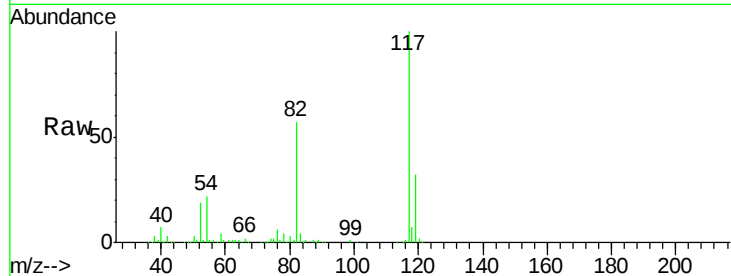




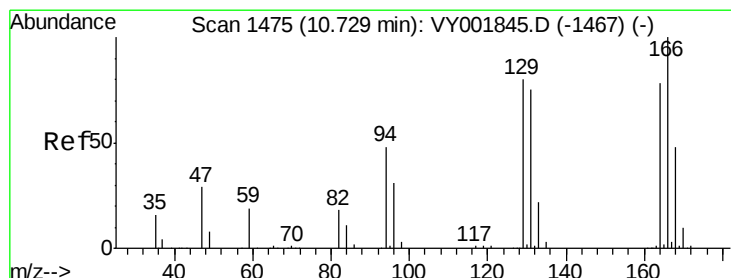
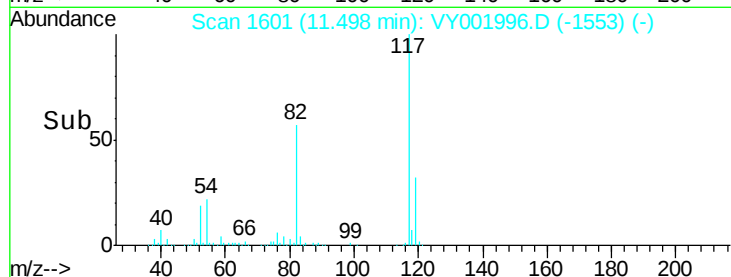
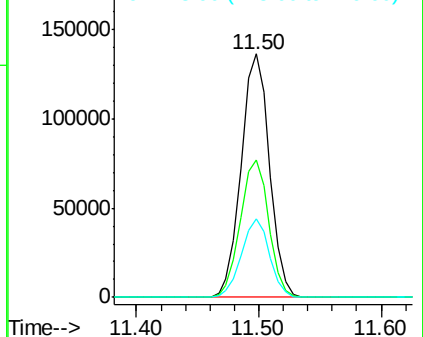
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001996.D
Acq: 17 Mar 2020 16:26

Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-04-1-2

Tgt Ion:117 Resp: 218747
Ion Ratio Lower Upper
117 100
82 56.6 44.5 66.7
119 32.4 25.7 38.5

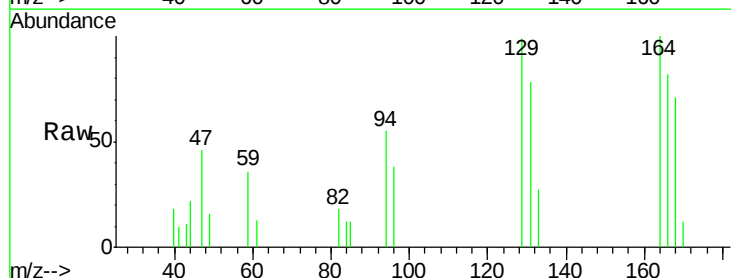


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

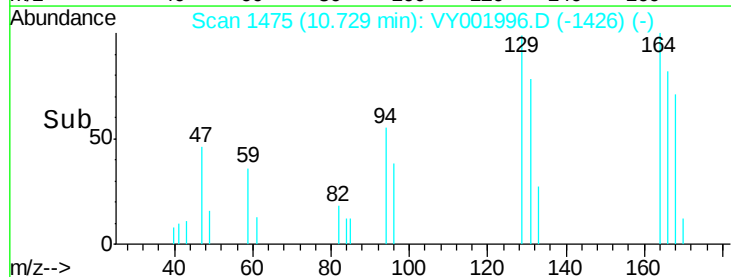
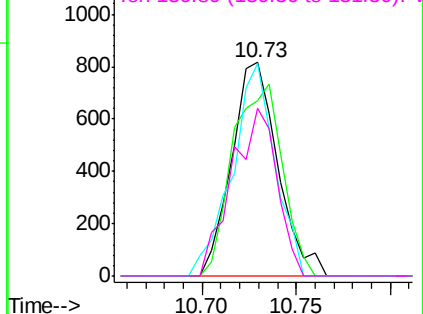


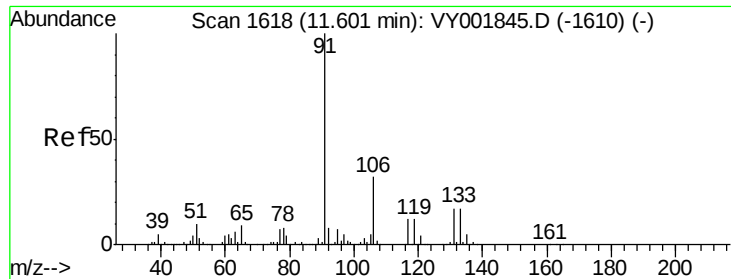
#64
Tetrachloroethene
Concen: 1.01 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001996.D
Acq: 17 Mar 2020 16:26

Tgt Ion:164 Resp: 1391
Ion Ratio Lower Upper
164 100
166 82.2 102.6 154.0#
129 99.3 82.3 123.5
131 78.4 77.4 116.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 1.21 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001996.D

Acq: 17 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

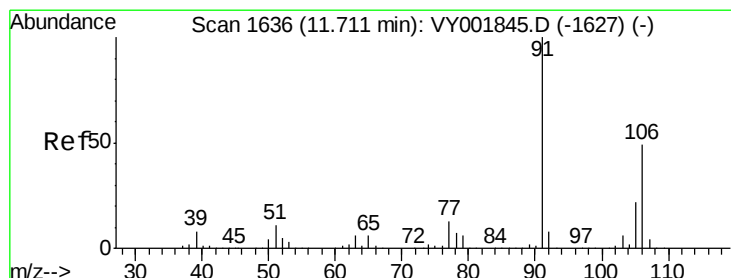
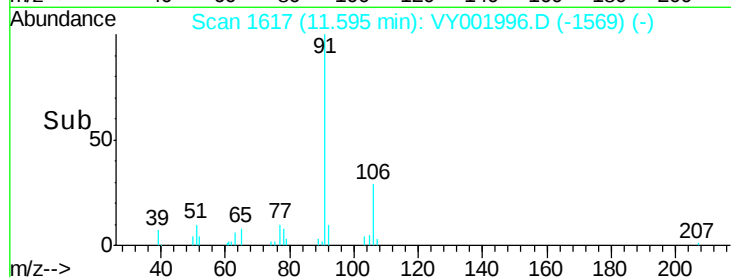
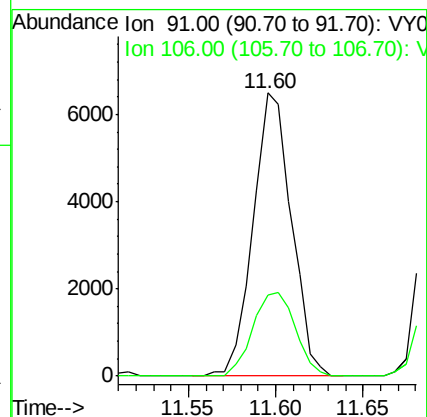
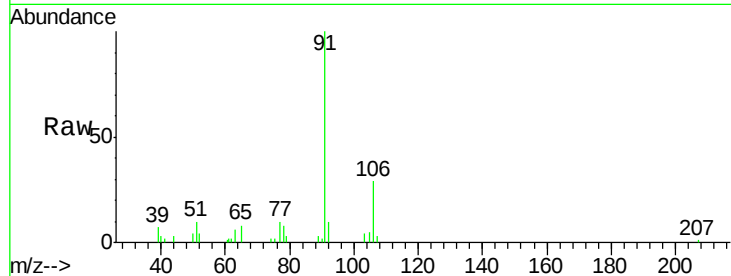
GHD1-SB-04-1-2

Tgt Ion: 91 Resp: 9874

Ion Ratio Lower Upper

91 100

106 28.9 25.4 38.2



#68

m/p-Xylenes

Concen: 6.20 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001996.D

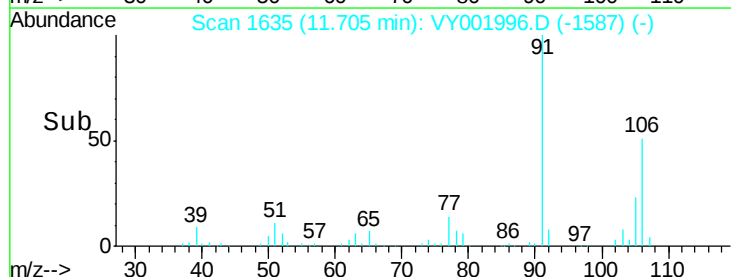
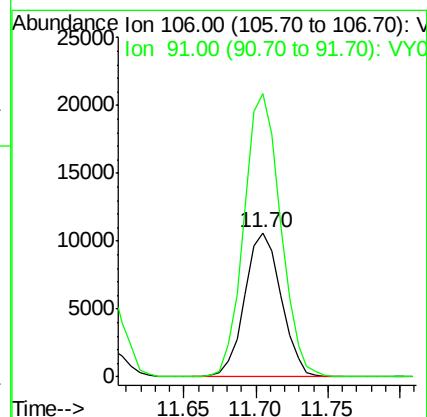
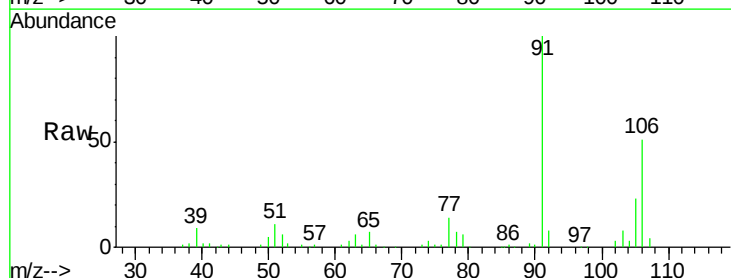
Acq: 17 Mar 2020 16:26

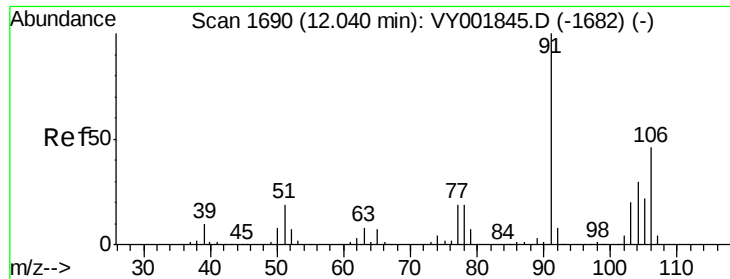
Tgt Ion: 106 Resp: 18645

Ion Ratio Lower Upper

106 100

91 197.0 161.3 241.9

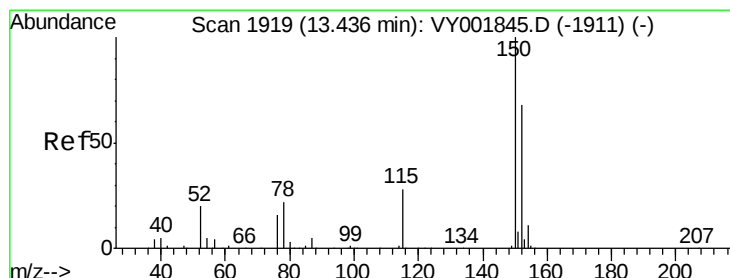
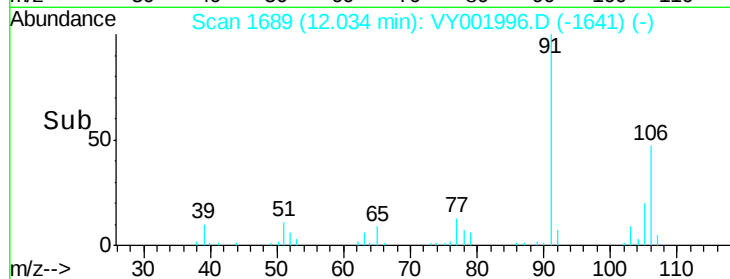
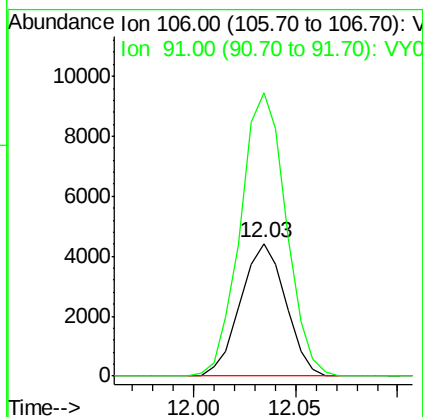
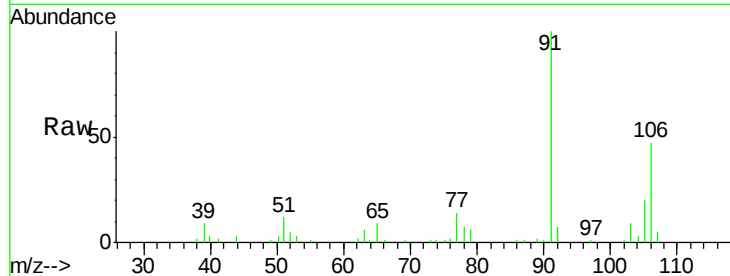




#69
o-Xylene
Concen: 2.40 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001996.D
Acq: 17 Mar 2020 16:26

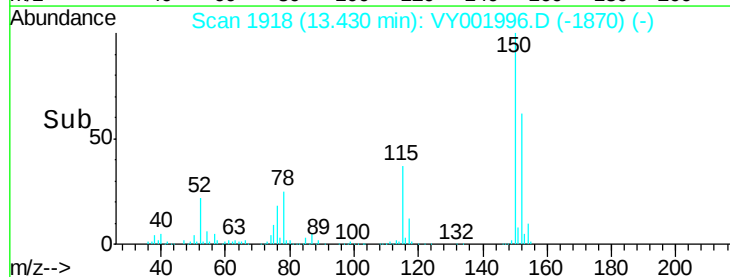
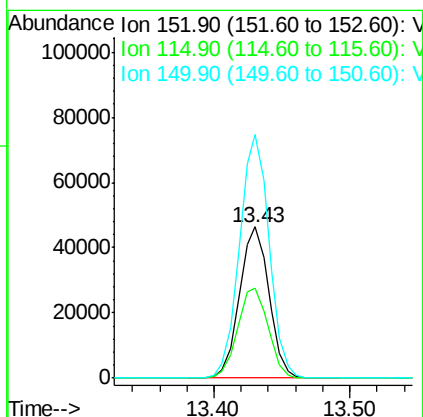
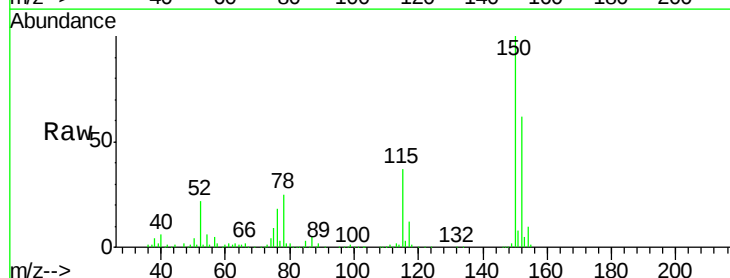
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-04-1-2

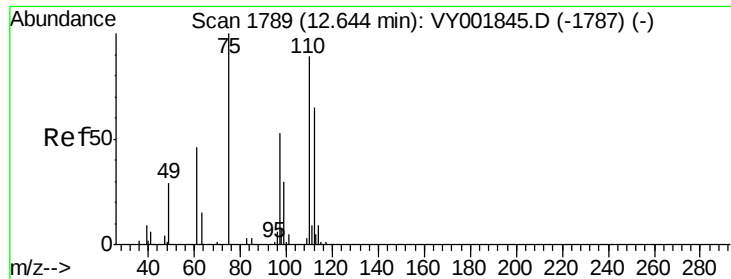
Tgt Ion:106 Resp: 6799
Ion Ratio Lower Upper
106 100
91 216.3 106.8 320.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001996.D
Acq: 17 Mar 2020 16:26

Tgt Ion:152 Resp: 70101
Ion Ratio Lower Upper
152 100
115 61.6 29.9 89.7
150 161.0 0.0 340.6

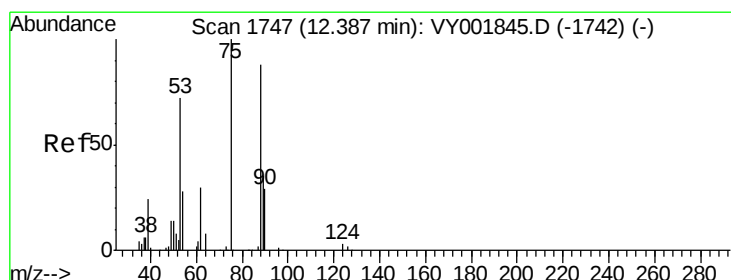
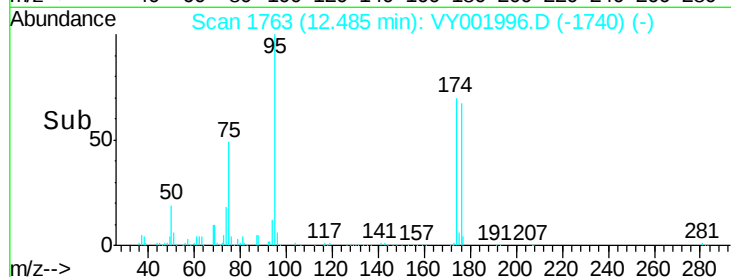
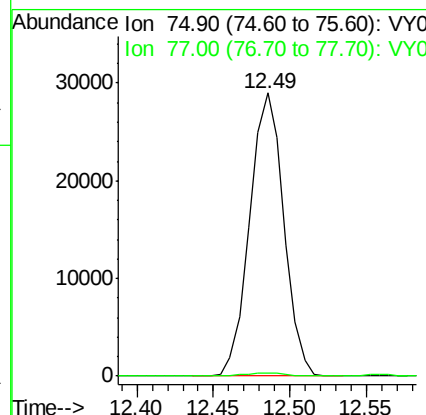
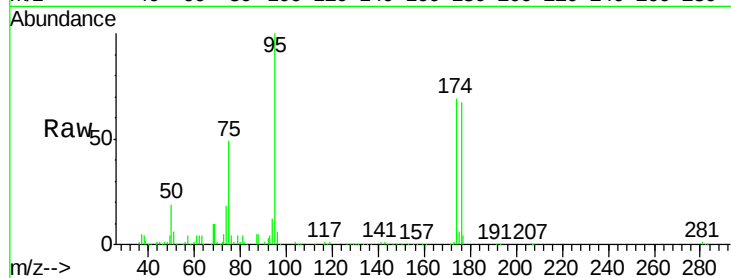




#76
 1,2,3-Trichloropropane
 Concen: 53.96 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001996.D
 Acq: 17 Mar 2020 16:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-04-1-2

Tgt Ion: 75 Resp: 44887
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.00 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY001996.D
 Acq: 17 Mar 2020 16:26

Tgt Ion: 75 Resp: 44887
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.0 36.0 54.0#

