

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032420\
 Data File : VY002047.D
 Acq On : 24 Mar 2020 13:56
 Operator : SY/MD
 Sample : L2013-01
 Misc : 4.67G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-02-1.5-2.5

Quant Time: Mar 24 15:19:12 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	141353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	273882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	243853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	89210	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	88969	58.96	ug/l	0.00
Spiked Amount			Recovery	=	117.92%	
35) Dibromofluoromethane	7.75	113	81019	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	
50) Toluene-d8	10.19	98	331328	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.49	95	104878	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

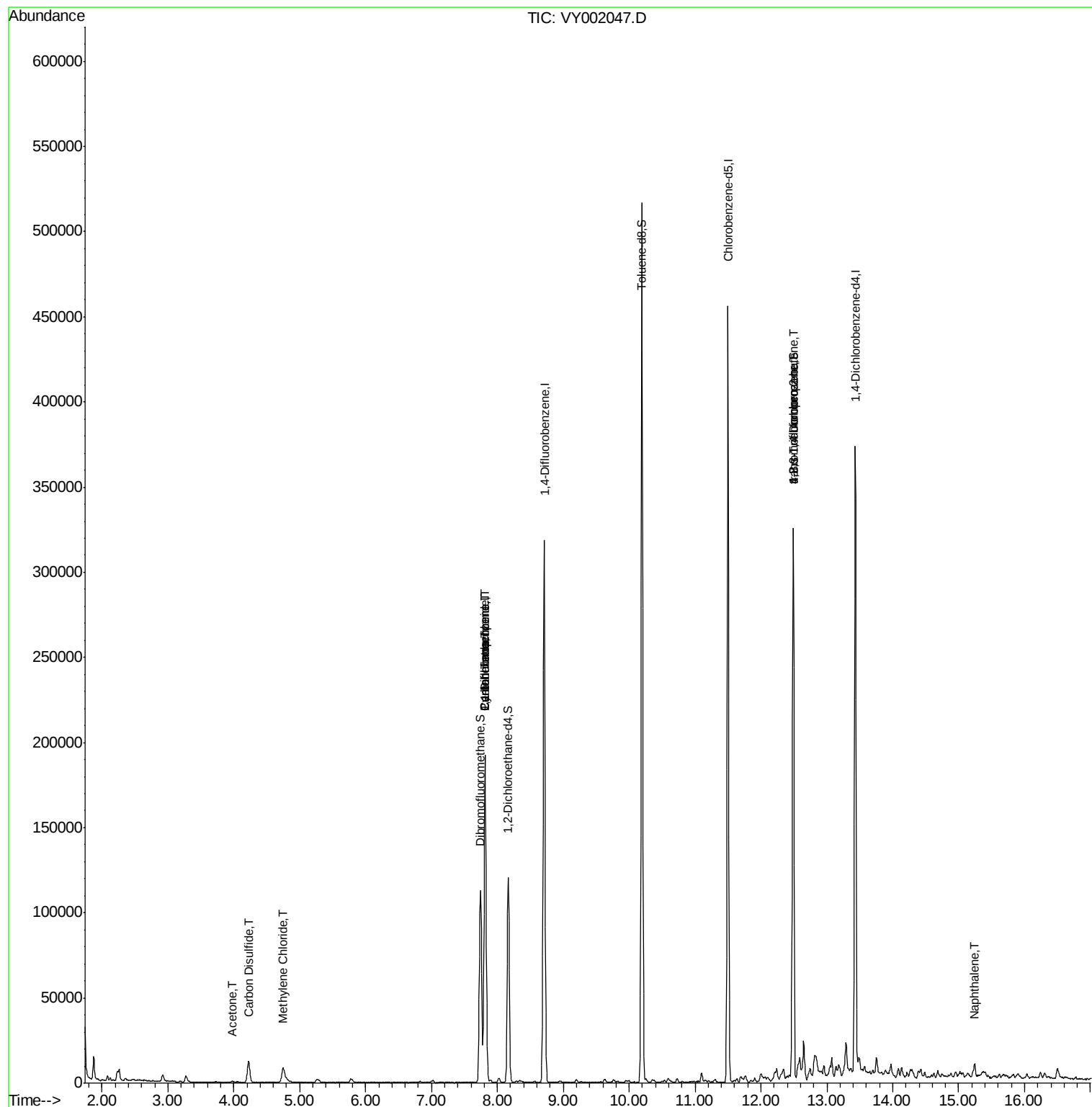
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.72	94	20	Below Cal	#	4
11) Tert butyl alcohol	4.98	59	90	Below Cal	#	74
16) Acetone	3.98	43	1459	3.32	ug/l	90
17) Carbon Disulfide	4.22	76	25790	4.88	ug/l	99
20) Methylene Chloride	4.76	84	6047	3.21	ug/l	# 94
31) Cyclohexane	7.81	56	3783	1.14	ug/l	# 1
36) 1,1-Dichloropropene	7.82	75	11906	4.52	ug/l	# 49
38) Carbon Tetrachloride	7.81	117	14382	6.39	ug/l	# 16
76) 1,2,3-Trichloropropane	12.49	75	53302	50.35	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	53302	101.71	ug/l	# 17
95) Naphthalene	15.25	128	6801	1.72	ug/l	98

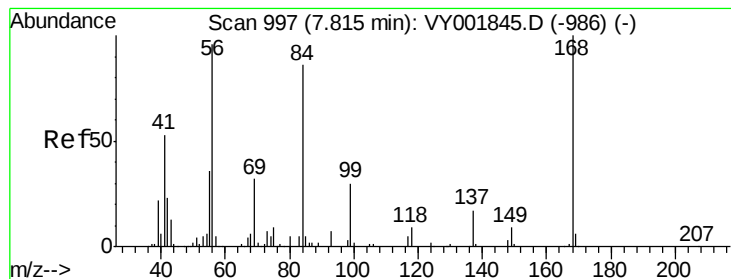
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VY002047.D

Acq: 24 Mar 2020 13:56

Instrument :

MSVOA_Y

ClientSampleId :

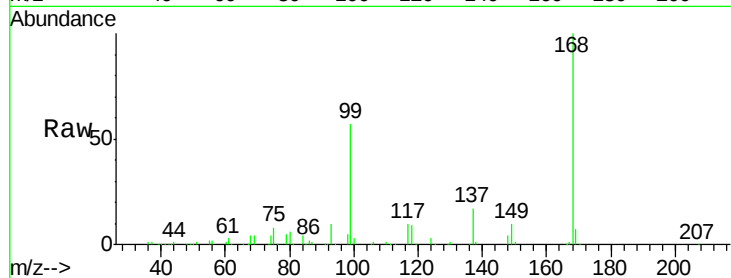
GHD1-SB-02-1.5-2.5

Tgt Ion:168 Resp: 141353

Ion Ratio Lower Upper

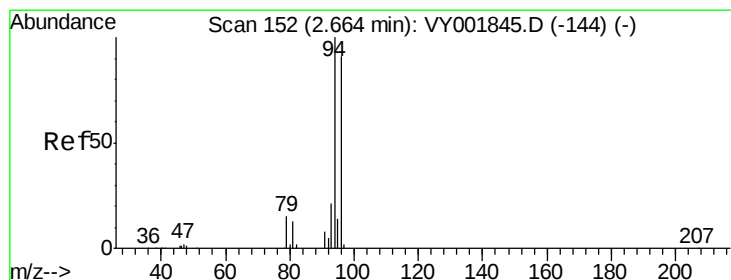
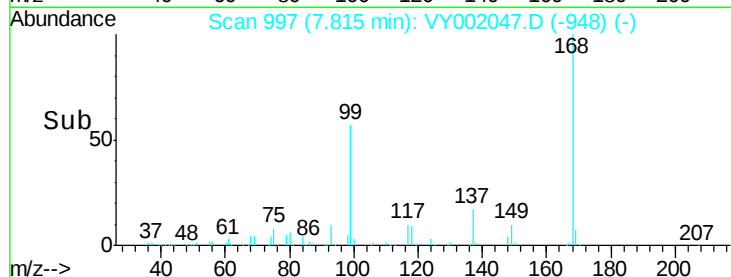
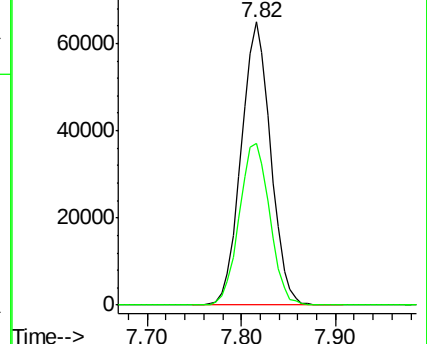
168 100

99 57.0 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: 2.72 min Scan# 162

Delta R.T. 0.06 min

Lab File: VY002047.D

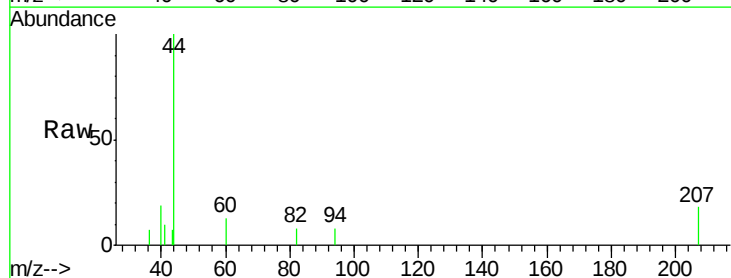
Acq: 24 Mar 2020 13:56

Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

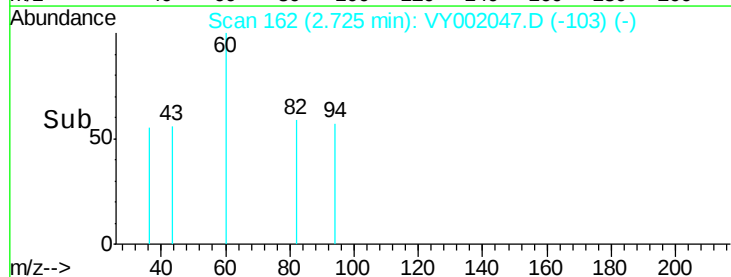
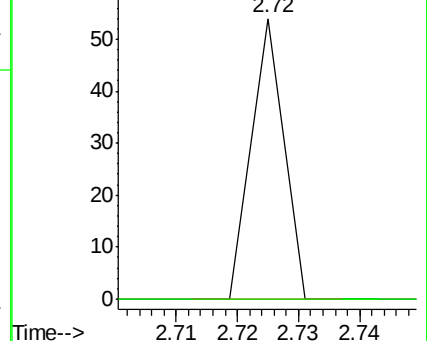
94 100

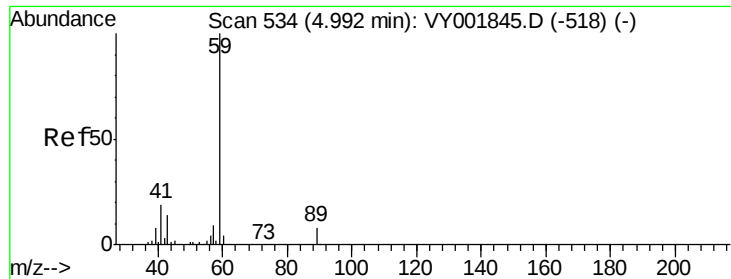
96 0.0 73.2 109.8#



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

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

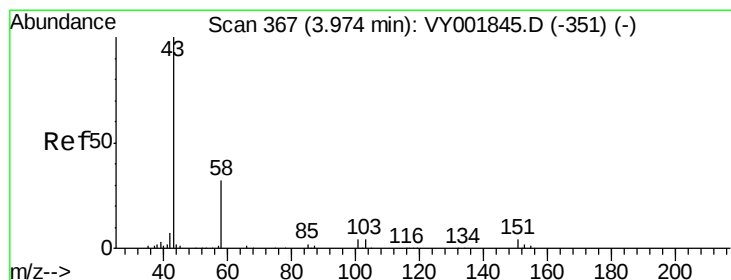
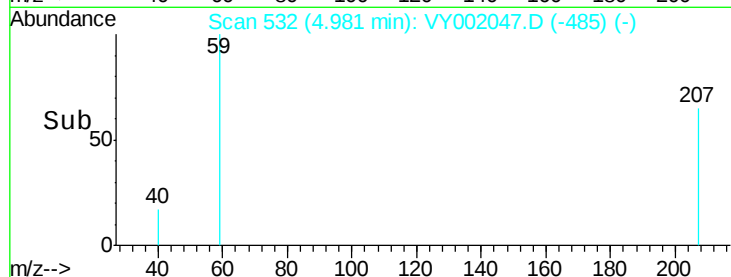
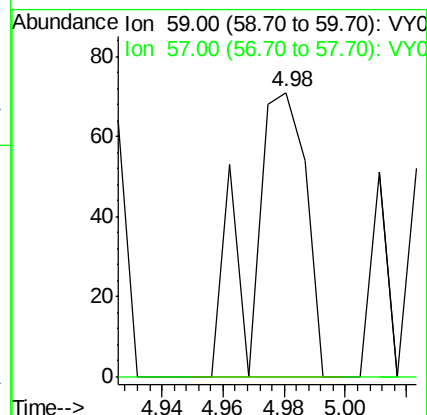
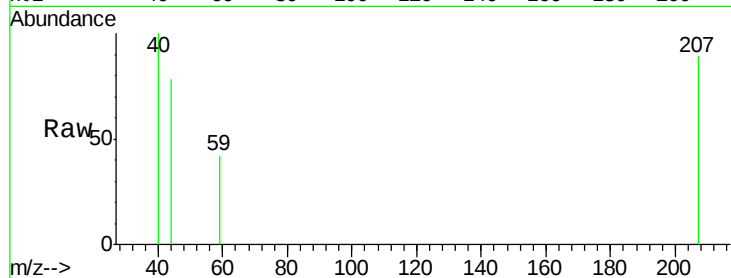




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.98 min Scan# 532
Delta R.T. -0.01 min
Lab File: VY002047.D
Acq: 24 Mar 2020 13:56

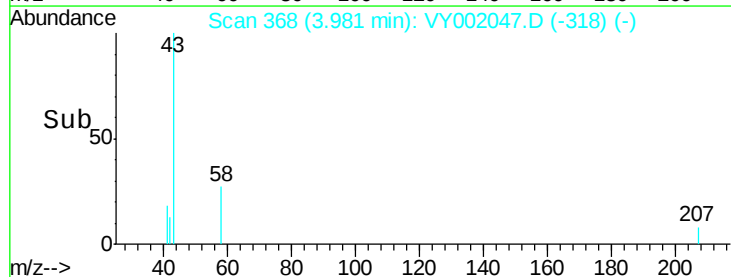
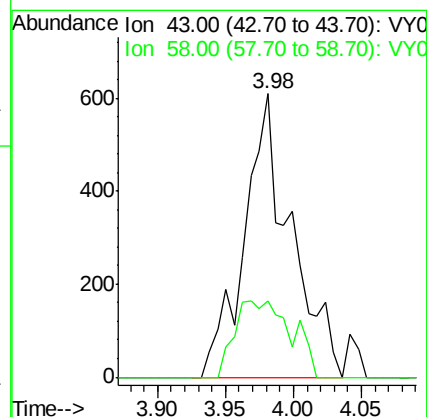
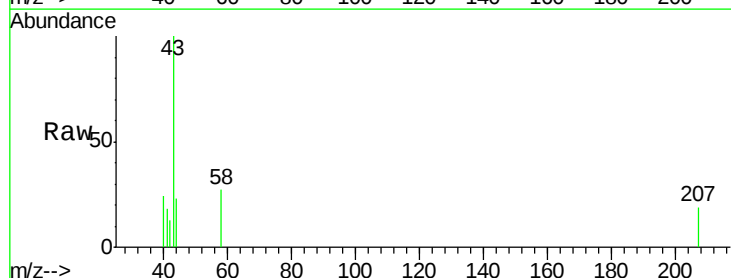
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-02-1.5-2.5

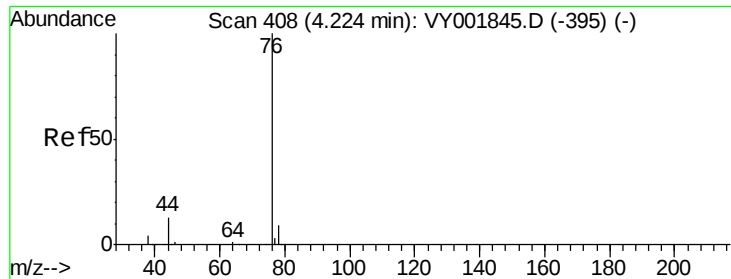
Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 3.32 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY002047.D
Acq: 24 Mar 2020 13:56

Tgt Ion: 43 Resp: 1459
Ion Ratio Lower Upper
43 100
58 26.7 25.9 38.9

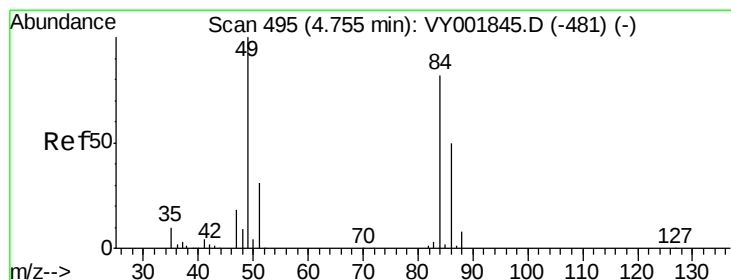
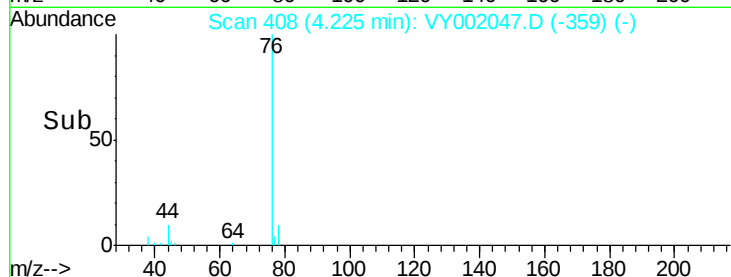
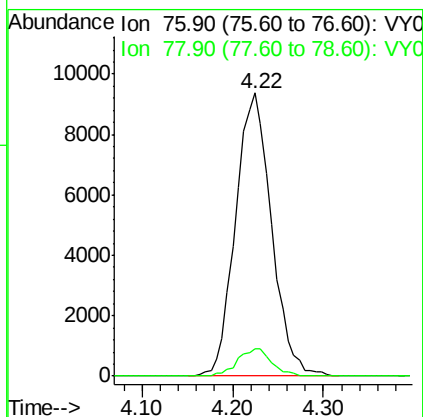
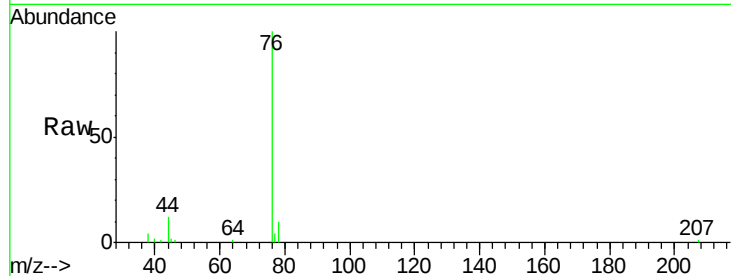




#17
Carbon Disulfide
Concen: 4.88 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.00 min
Lab File: VY002047.D
Acq: 24 Mar 2020 13:56

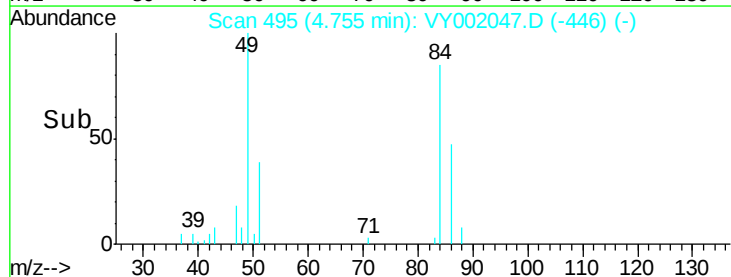
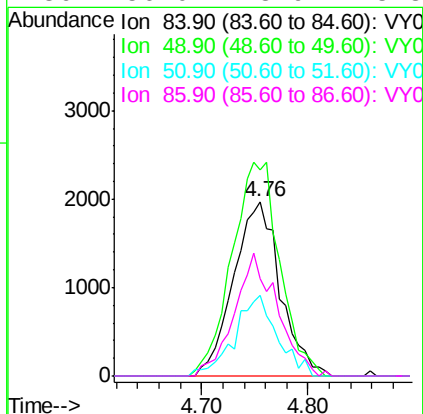
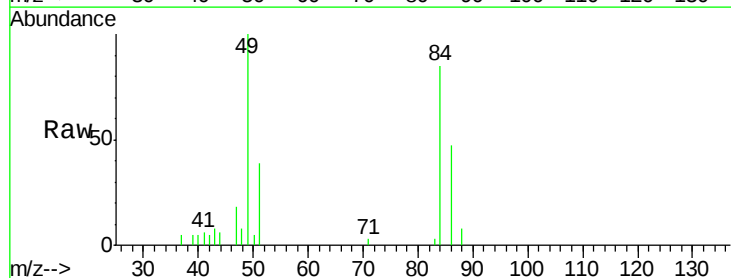
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-02-1.5-2.5

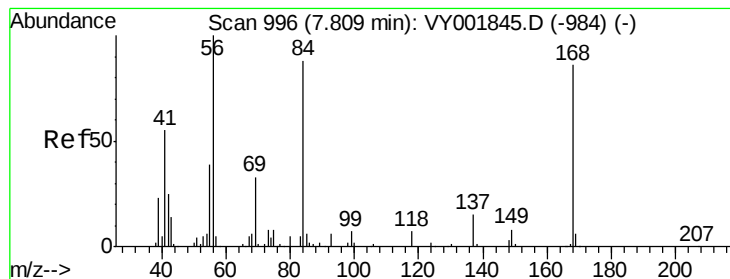
Tgt Ion: 76 Resp: 25790
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2



#20
Methylene Chloride
Concen: 3.21 ug/l
RT: 4.76 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002047.D
Acq: 24 Mar 2020 13:56

Tgt Ion: 84 Resp: 6047
Ion Ratio Lower Upper
84 100
49 118.2 98.2 147.2
51 46.3 30.2 45.2#
86 56.0 48.9 73.3





#31

Cyclohexane

Concen: 1.14 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002047.D

Acq: 24 Mar 2020 13:56

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-02-1.5-2.5

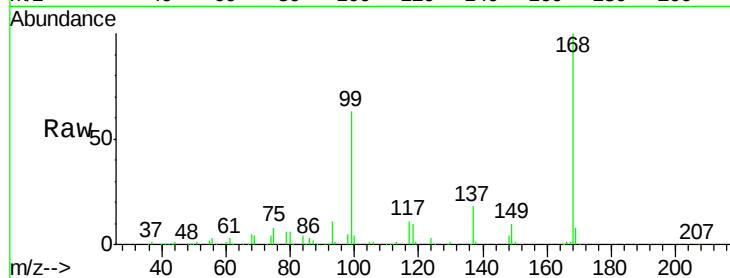
Tgt Ion: 56 Resp: 3783

Ion Ratio Lower Upper

56 100

69 148.2 26.7 40.1#

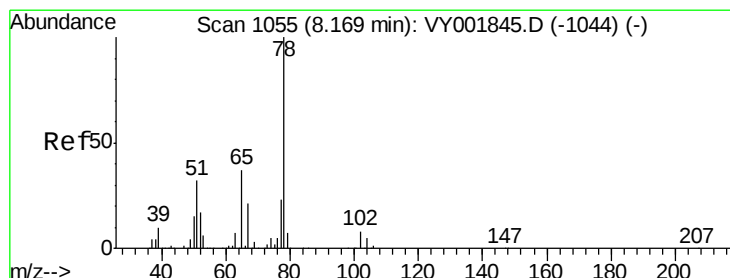
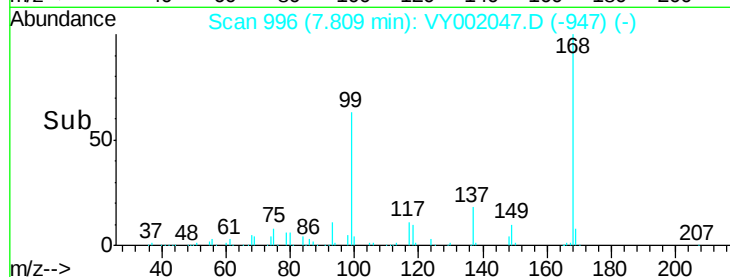
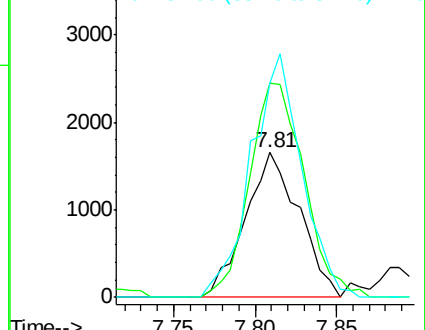
84 148.1 70.4 105.6#



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: 58.96 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002047.D

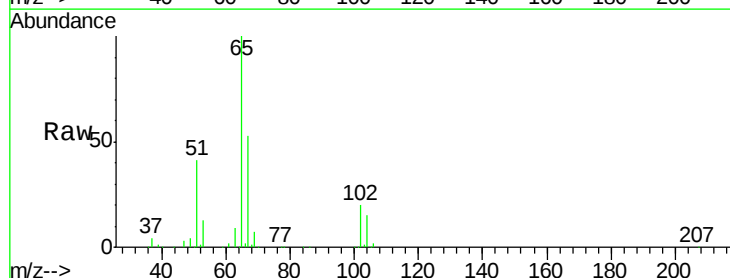
Acq: 24 Mar 2020 13:56

Tgt Ion: 65 Resp: 88969

Ion Ratio Lower Upper

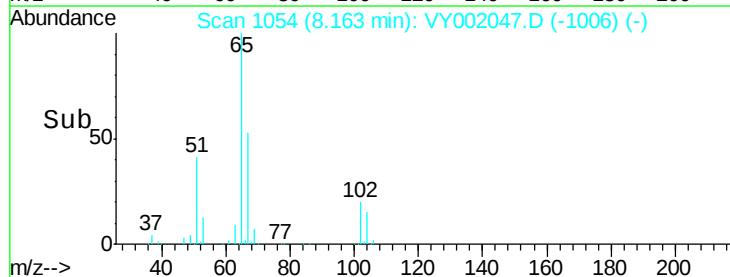
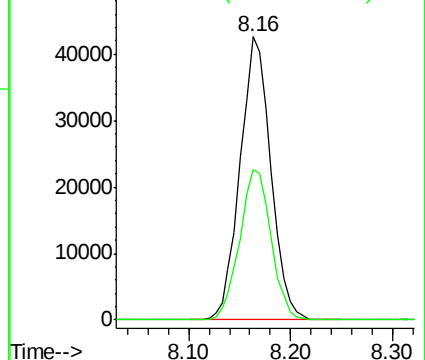
65 100

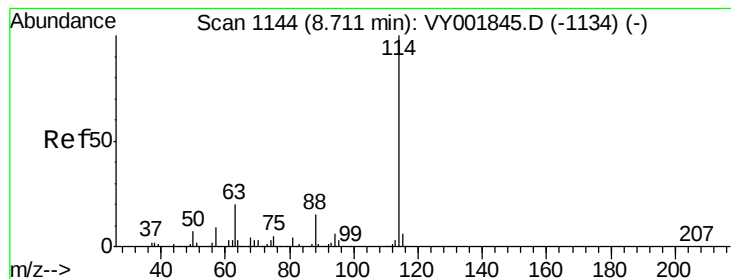
67 54.4 0.0 110.8



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: VY002047.D

Acq: 24 Mar 2020 13:56

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-02-1.5-2.5

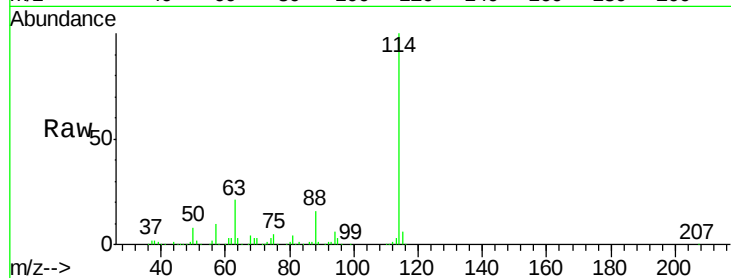
Tgt Ion:114 Resp: 273882

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.4

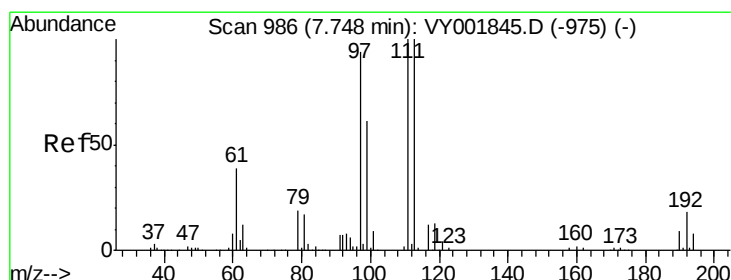
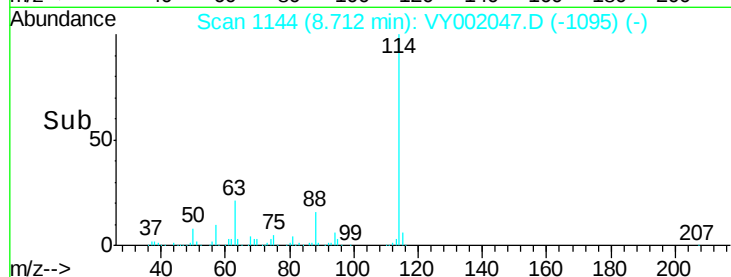
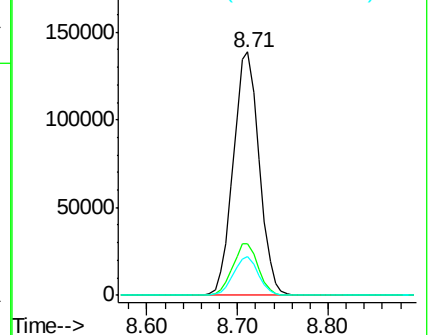
88 16.0 0.0 30.4



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: 54.17 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002047.D

Acq: 24 Mar 2020 13:56

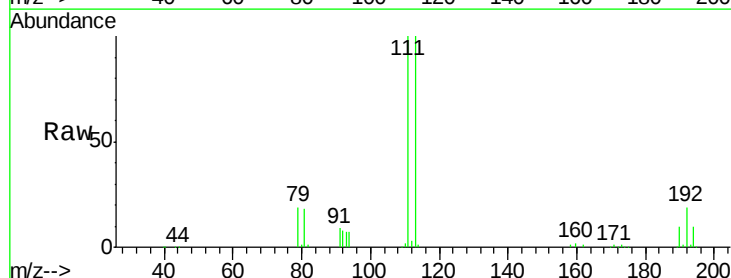
Tgt Ion:113 Resp: 81019

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

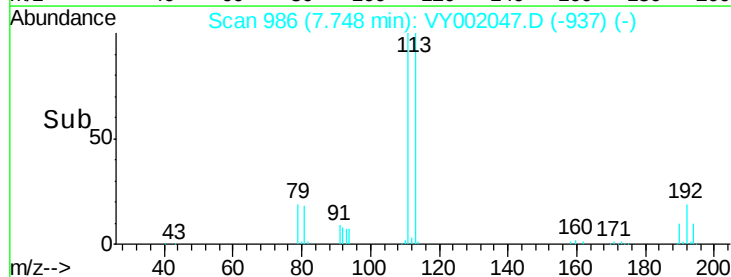
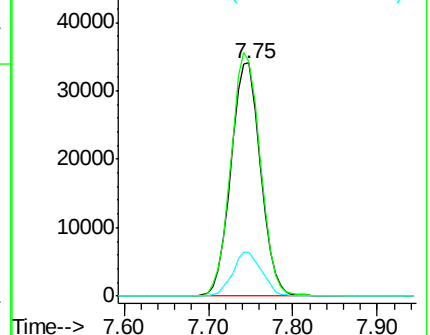
192 18.6 14.2 21.2

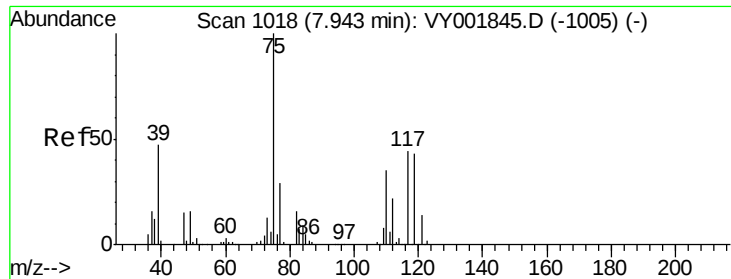


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

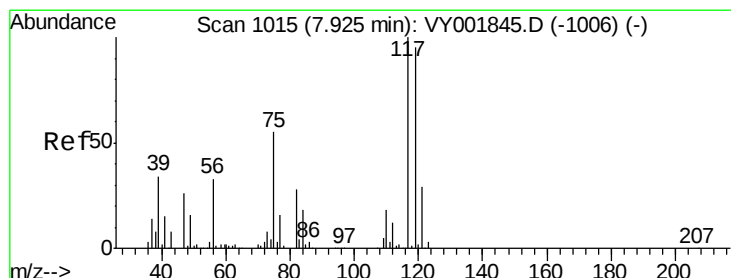
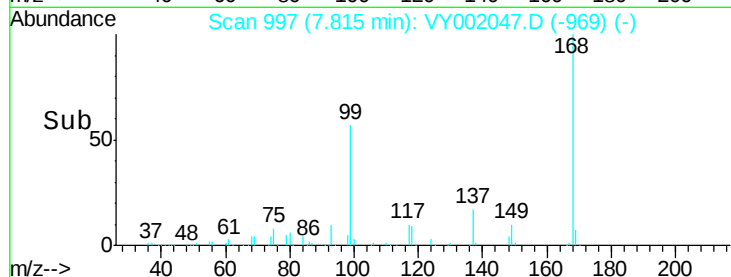
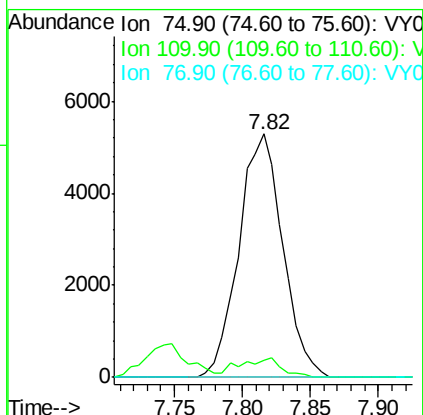
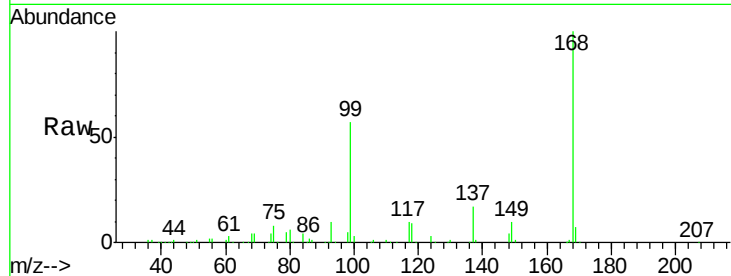




#36
 1,1-Dichloropropene
 Concen: 4.52 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY002047.D
 Acq: 24 Mar 2020 13:56

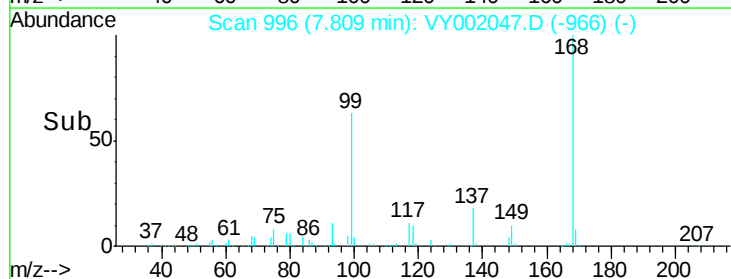
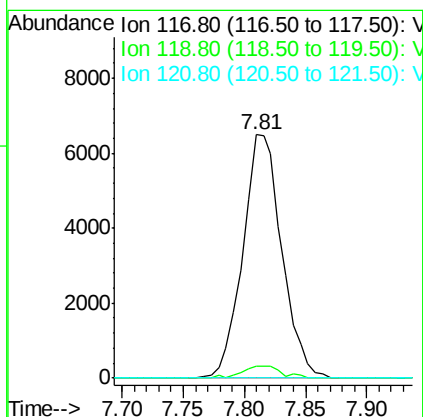
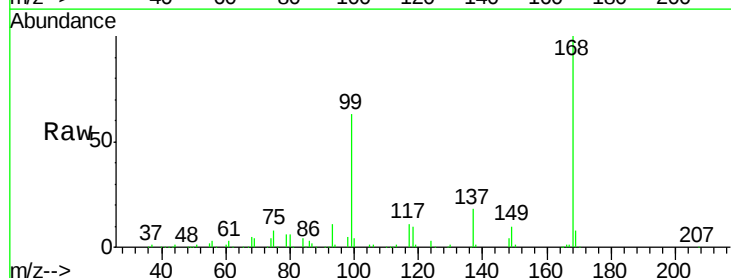
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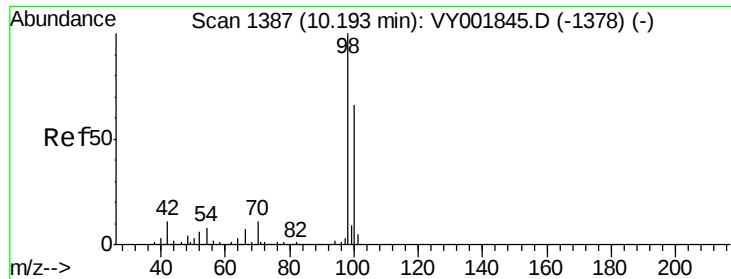
Tgt Ion: 75 Resp: 11906
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.39 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002047.D
 Acq: 24 Mar 2020 13:56

Tgt Ion: 117 Resp: 14382
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.54 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002047.D

Acq: 24 Mar 2020 13:56

Instrument :

MSVOA_Y

ClientSampleId :

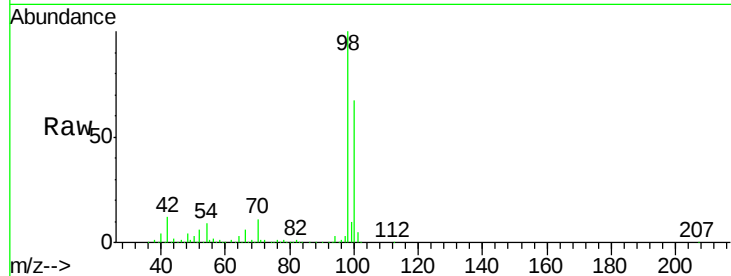
GHD1-SB-02-1.5-2.5

Tgt Ion: 98 Resp: 331328

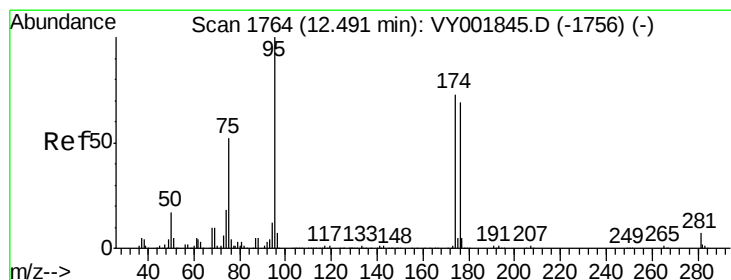
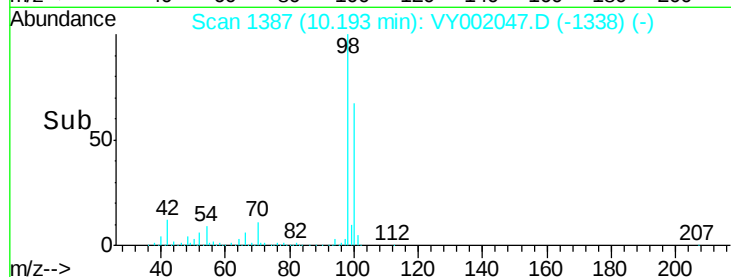
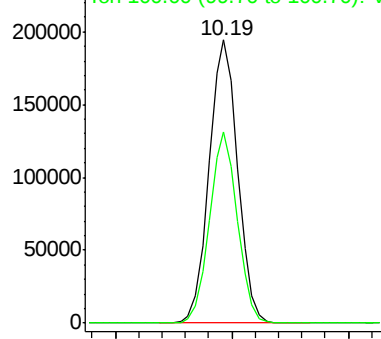
Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4



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



#62

4-Bromofluorobenzene

Concen: 47.83 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002047.D

Acq: 24 Mar 2020 13:56

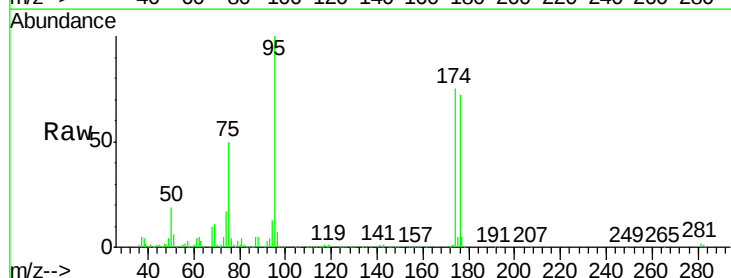
Tgt Ion: 95 Resp: 104878

Ion Ratio Lower Upper

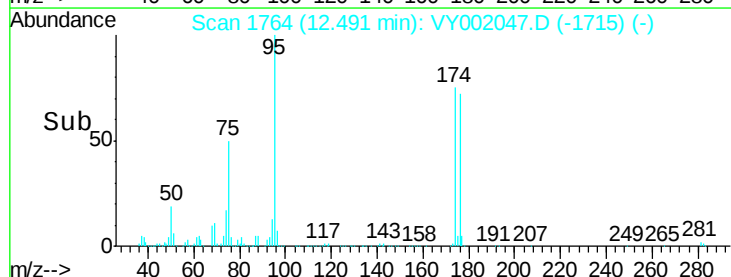
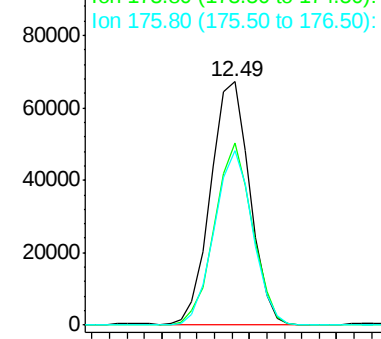
95 100

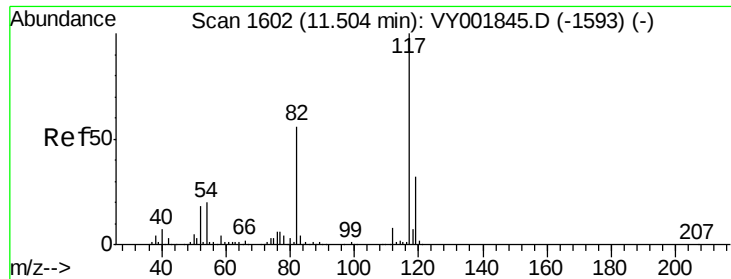
174 72.2 0.0 145.0

176 70.0 0.0 137.4



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

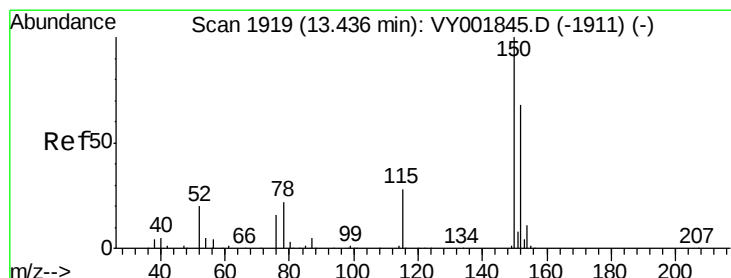
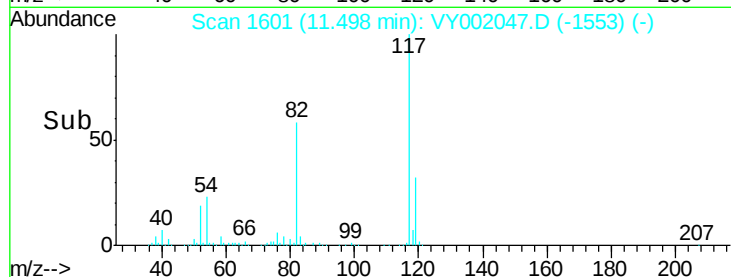
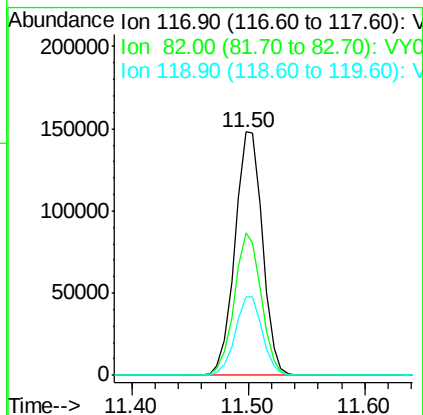
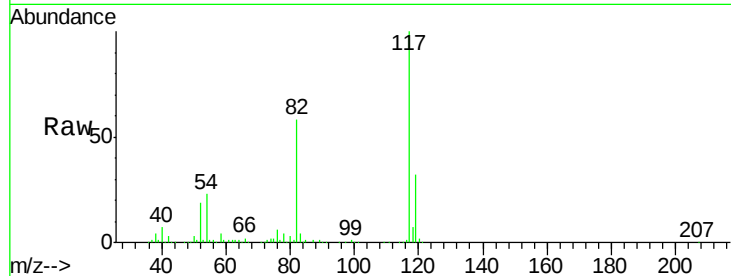




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002047.D
Acq: 24 Mar 2020 13:56

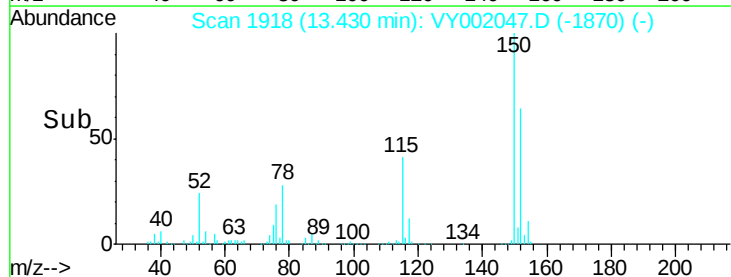
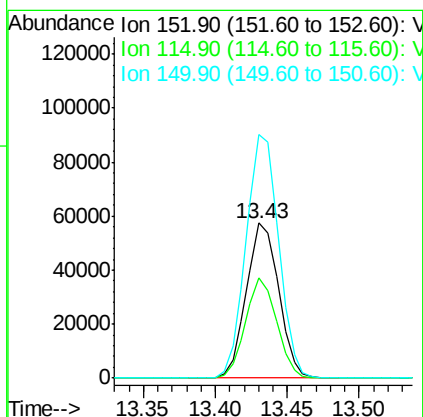
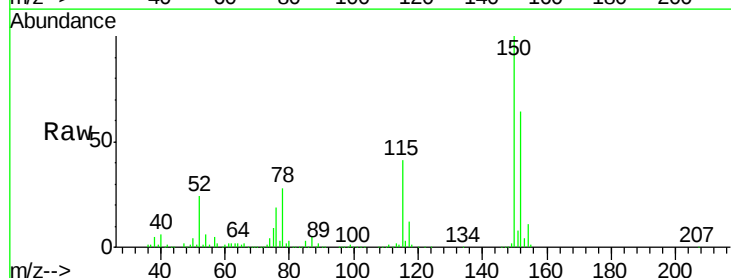
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-02-1.5-2.5

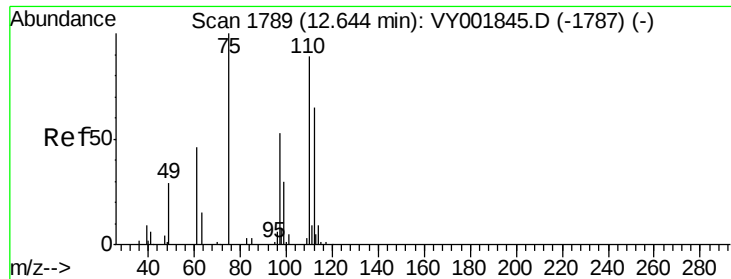
Tgt Ion:117 Resp: 243853
Ion Ratio Lower Upper
117 100
82 58.4 44.5 66.7
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002047.D
Acq: 24 Mar 2020 13:56

Tgt Ion:152 Resp: 89210
Ion Ratio Lower Upper
152 100
115 62.0 29.9 89.7
150 158.4 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 50.35 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002047.D

Acq: 24 Mar 2020 13:56

Instrument :

MSVOA_Y

ClientSampleId :

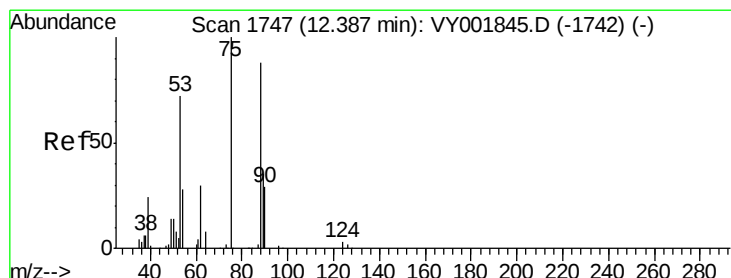
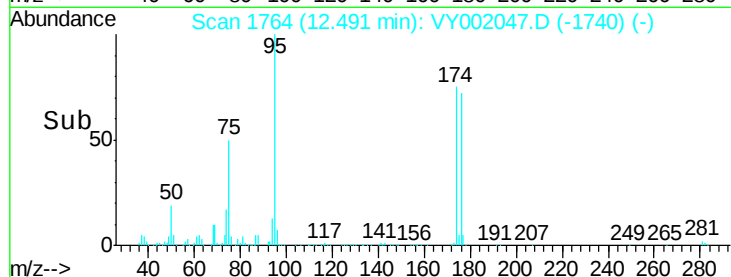
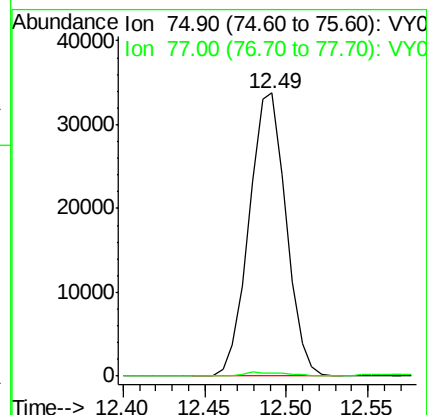
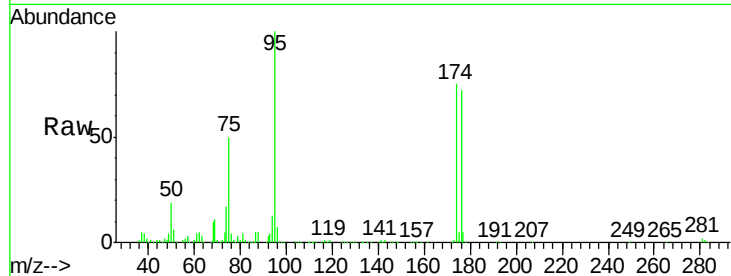
GHD1-SB-02-1.5-2.5

Tgt Ion: 75 Resp: 53302

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.71 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002047.D

Acq: 24 Mar 2020 13:56

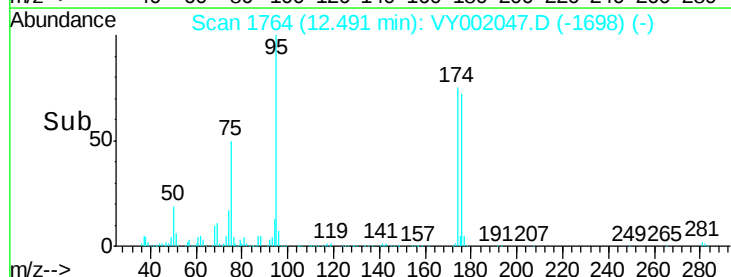
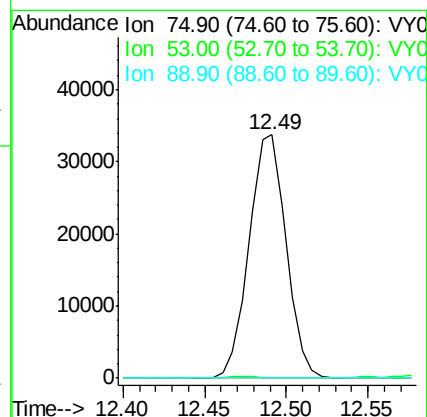
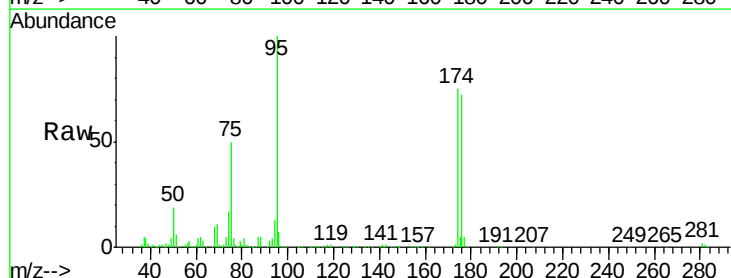
Tgt Ion: 75 Resp: 53302

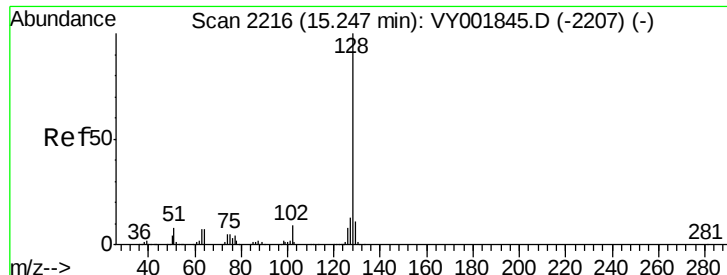
Ion Ratio Lower Upper

75 100

53 0.5 65.4 98.0#

89 0.0 36.0 54.0#

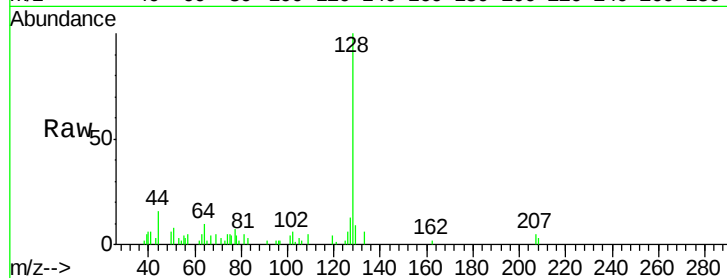




#95
Naphthalene
Concen: 1.72 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002047.D
Acq: 24 Mar 2020 13:56

Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-02-1.5-2.5

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	12.0	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

