

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032420\
 Data File : VY002049.D
 Acq On : 24 Mar 2020 14:41
 Operator : SY/MD
 Sample : L2013-03
 Misc : 8.17G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-01-51-52

Quant Time: Mar 24 15:19:39 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	136875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	264272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	245117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	110952	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	86523	59.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.42%	
35) Dibromofluoromethane	7.74	113	78872	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
50) Toluene-d8	10.19	98	324193	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
62) 4-Bromofluorobenzene	12.49	95	115260	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	

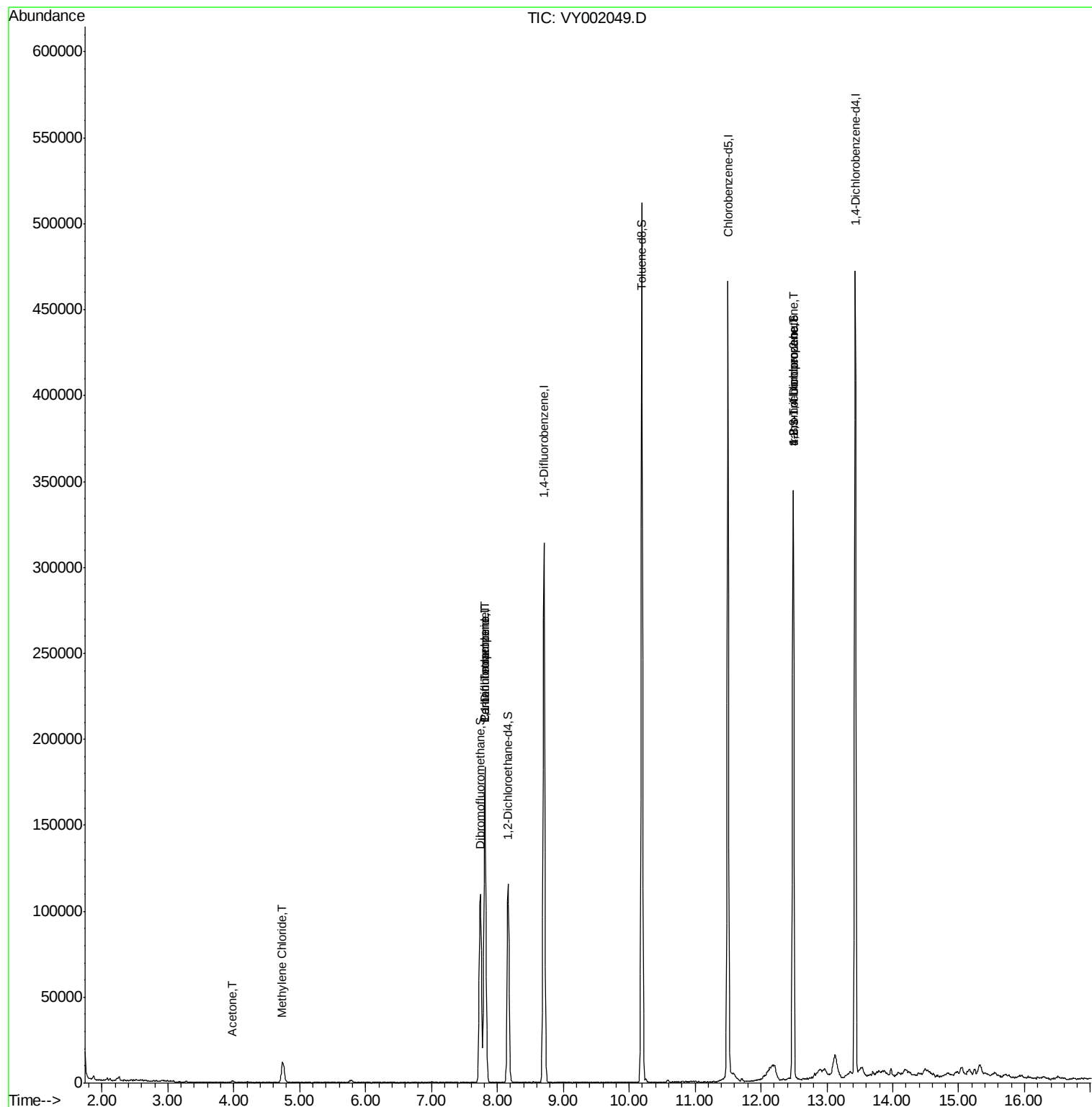
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.67	94	42	Below Cal	#	22
11) Tert butyl alcohol	5.01	59	61	Below Cal	#	74
16) Acetone	3.98	43	1821	4.28	ug/l	94
20) Methylene Chloride	4.74	84	9078	4.98	ug/l	96
36) 1,1-Dichloropropene	7.81	75	11635	4.58	ug/l #	50
38) Carbon Tetrachloride	7.81	117	14106	6.49	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	57637	43.78	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	57637	88.43	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002049.D

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Instrument :

MSVOA_Y

ClientSampleId :

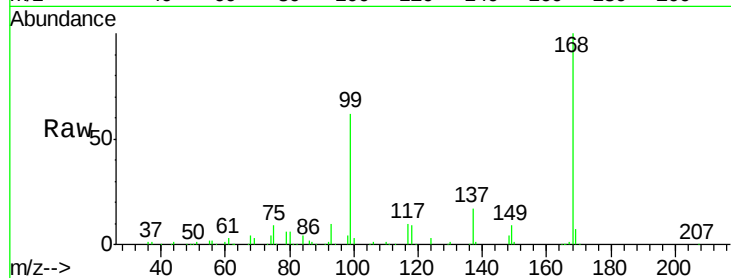
GHD1-SB-01-51-52

Tgt Ion:168 Resp: 136875

Ion Ratio Lower Upper

168 100

99 61.9 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) (-)

7.81

60000

40000

20000

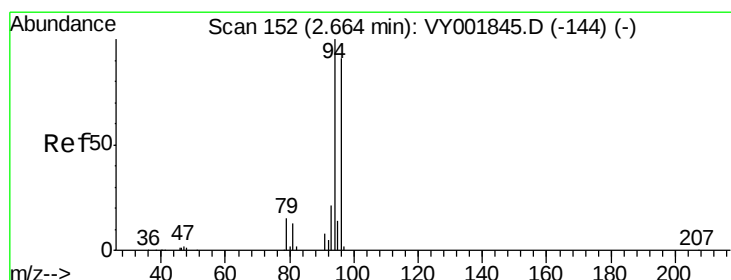
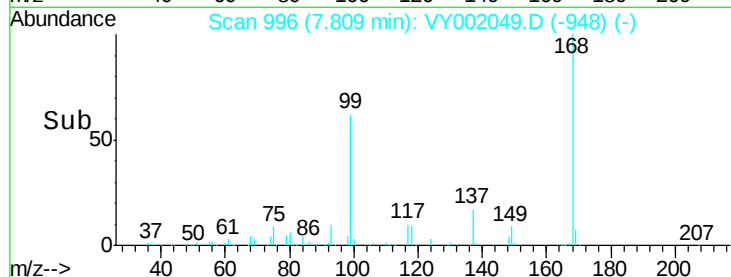
0

Time-->

7.70

7.80

7.90



#5

Bromomethane

Concen: Below Cal

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002049.D

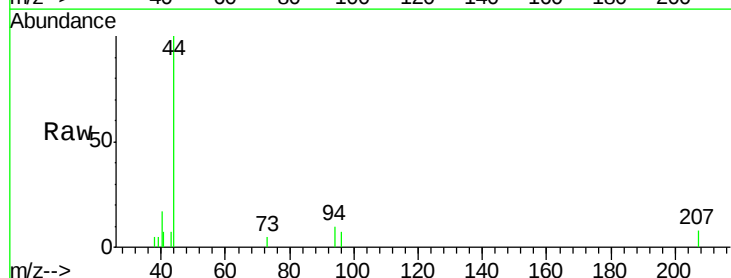
Acq: 24 Mar 2020 14:41

Tgt Ion: 94 Resp: 42

Ion Ratio Lower Upper

94 100

96 17.2 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) (-)

2.67

150

100

50

0

Time-->

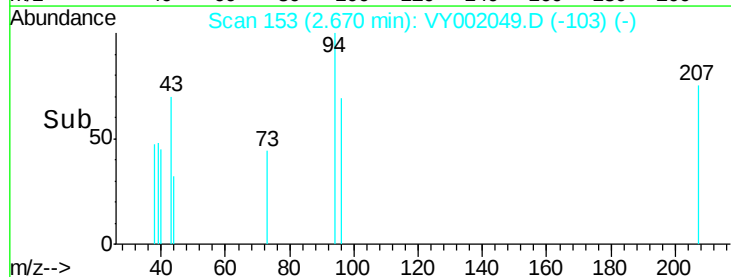
2.65

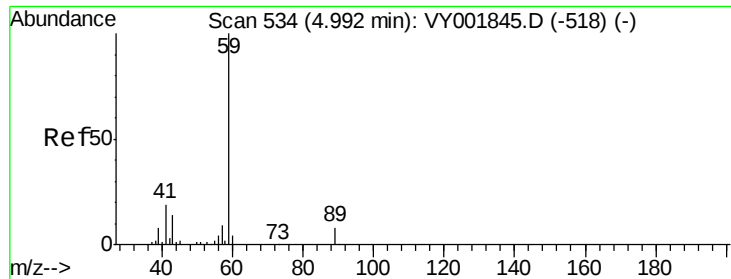
2.66

2.67

2.68

2.69

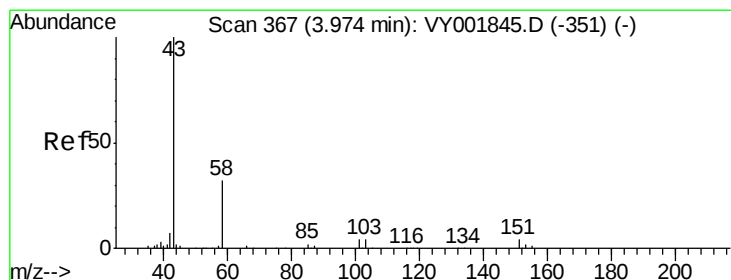
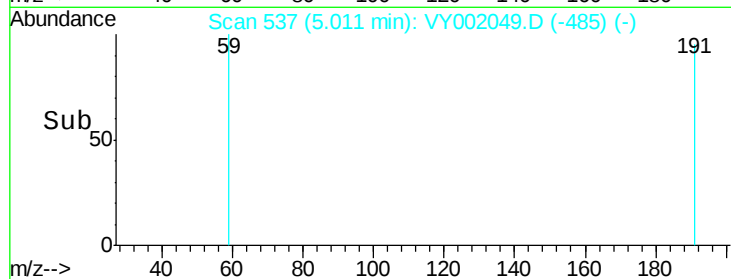
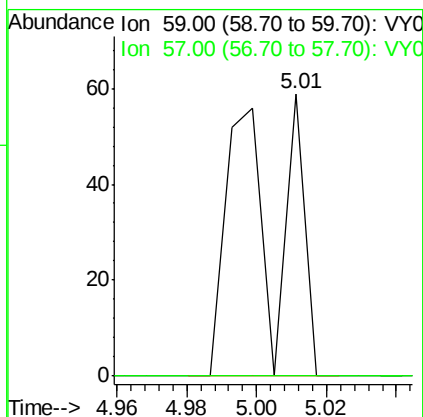
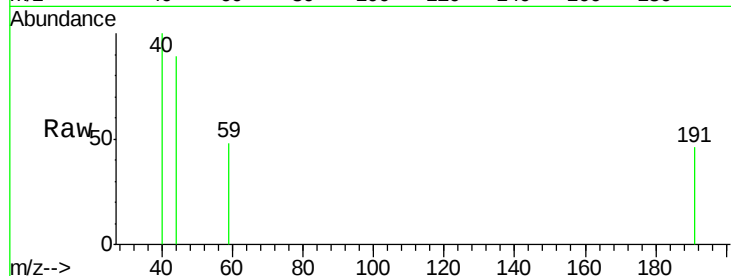




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.01 min Scan# 537
Delta R.T. 0.02 min
Lab File: VY002049.D
Acq: 24 Mar 2020 14:41

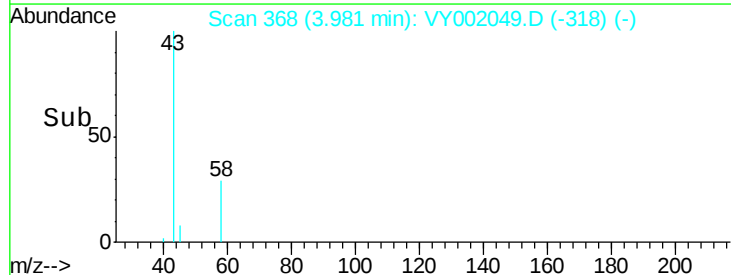
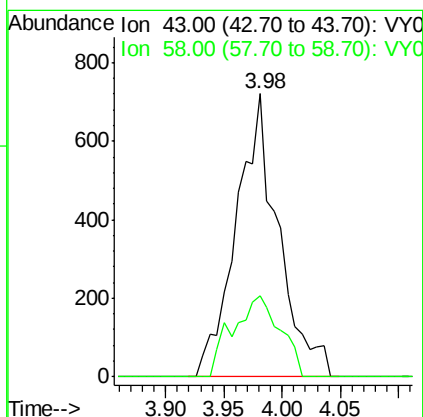
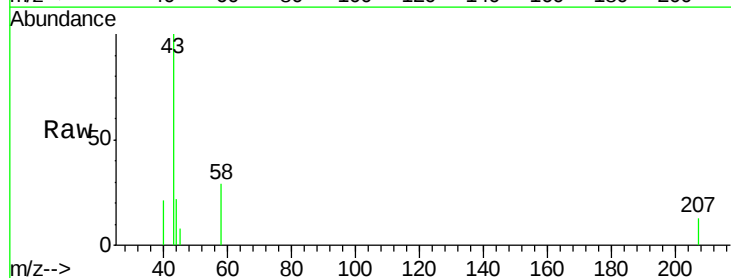
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-01-51-52

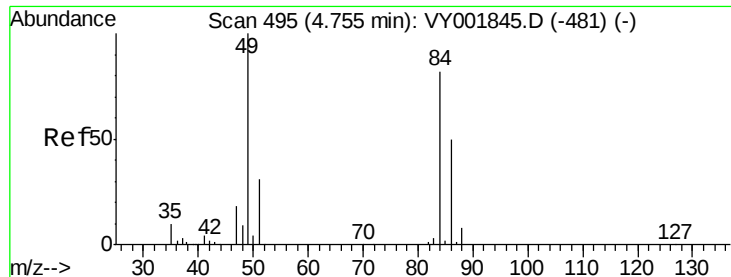
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 4.28 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY002049.D
Acq: 24 Mar 2020 14:41

Tgt Ion: 43 Resp: 1821
Ion Ratio Lower Upper
43 100
58 28.8 25.9 38.9

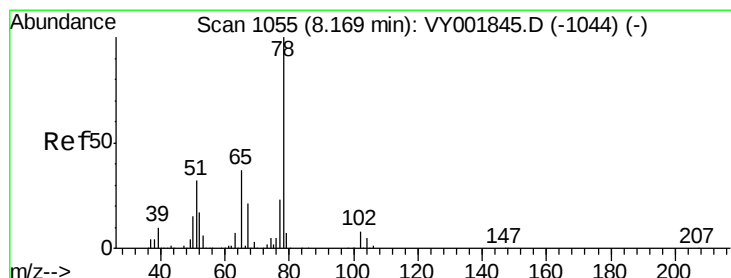
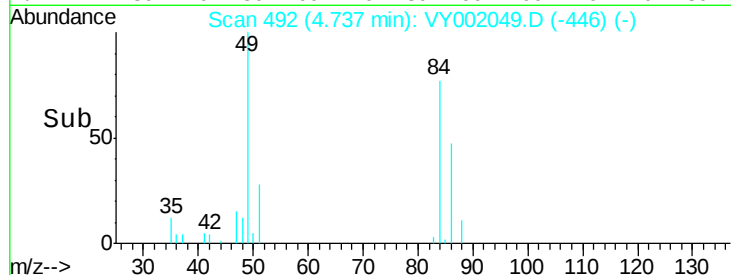
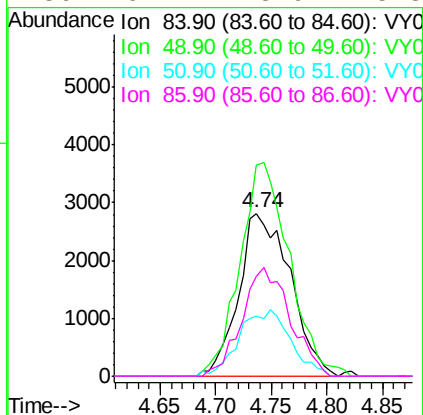
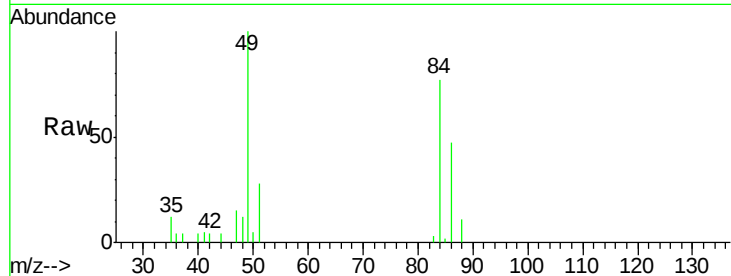




#20
Methylene Chloride
Concen: 4.98 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.02 min
Lab File: VY002049.D
Acq: 24 Mar 2020 14:41

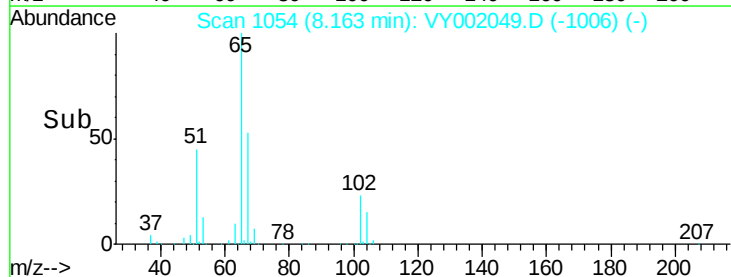
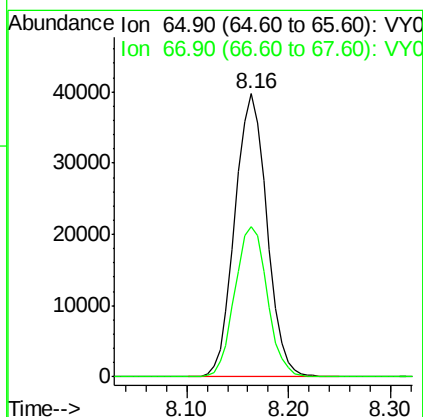
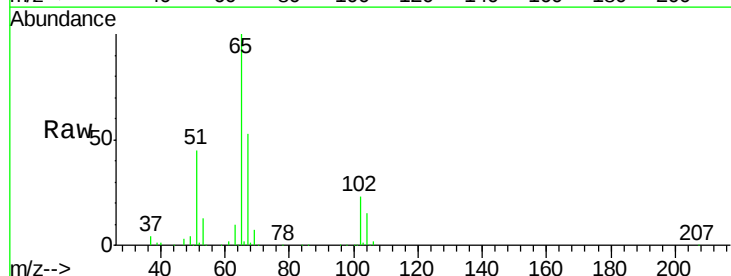
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-01-51-52

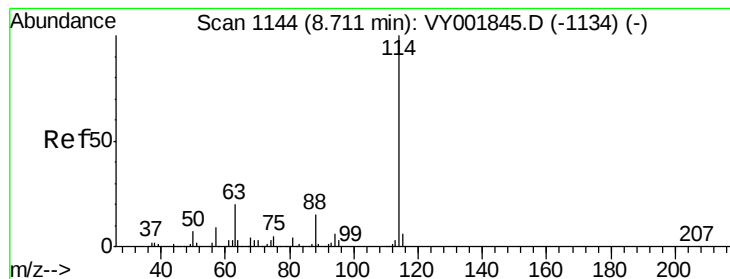
Tgt Ion: 84 Resp: 9078
Ion Ratio Lower Upper
84 100
49 130.0 98.2 147.2
51 36.8 30.2 45.2
86 61.1 48.9 73.3



#33
1,2-Dichloroethane-d4
Concen: 59.21 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002049.D
Acq: 24 Mar 2020 14:41

Tgt Ion: 65 Resp: 86523
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: VY002049.D

Acq: 24 Mar 2020 14:41

Instrument :

MSVOA_Y

ClientSampleId :

GHD1-SB-01-51-52

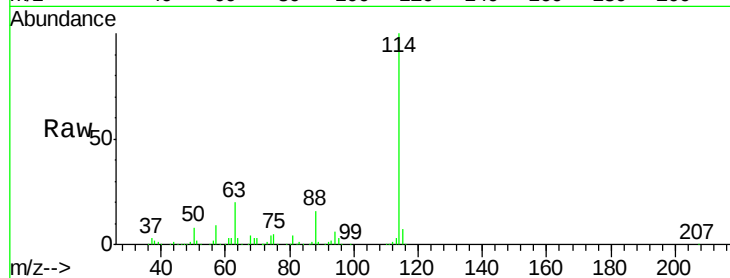
Tgt Ion:114 Resp: 264272

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

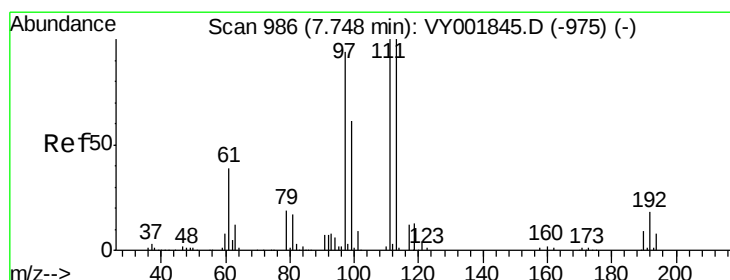
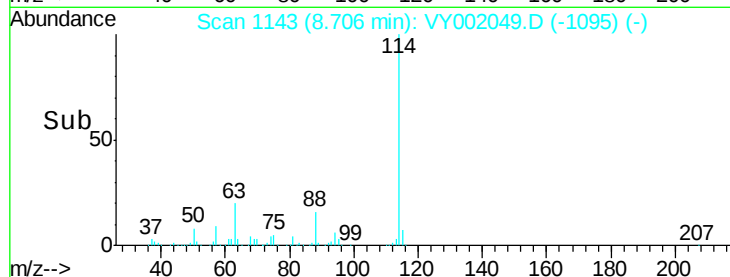
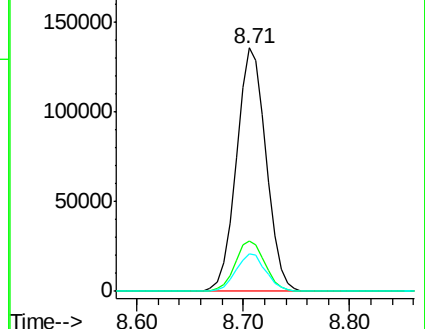
88 15.6 0.0 30.4



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: 54.66 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002049.D

Acq: 24 Mar 2020 14:41

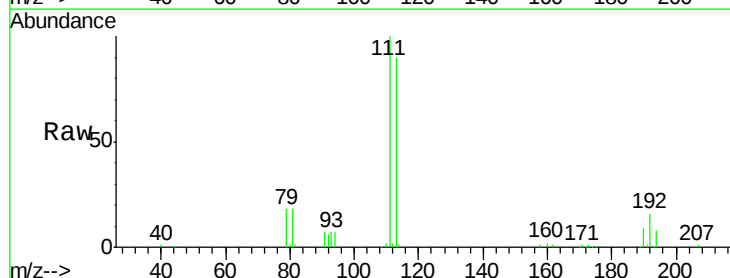
Tgt Ion:113 Resp: 78872

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

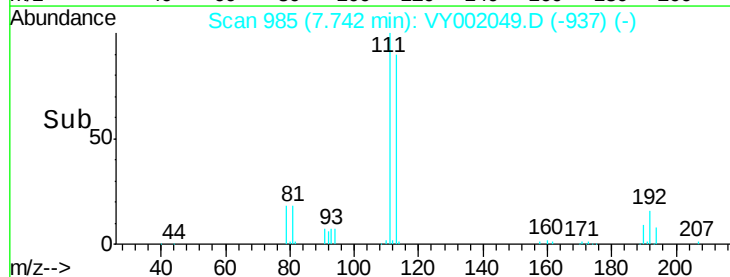
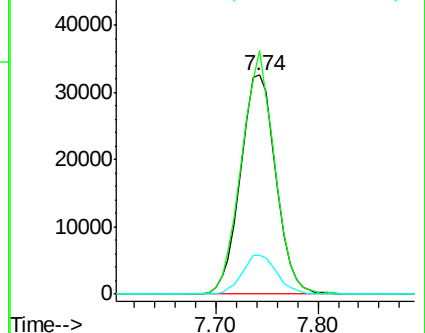
192 17.6 14.2 21.2

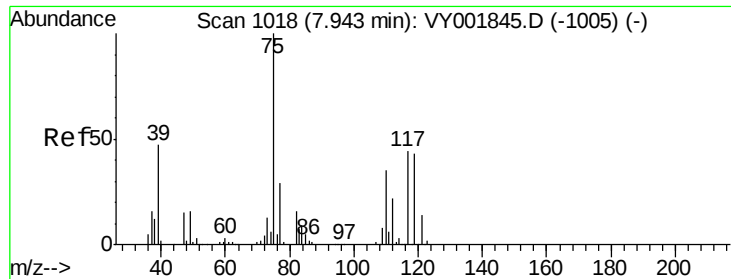


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

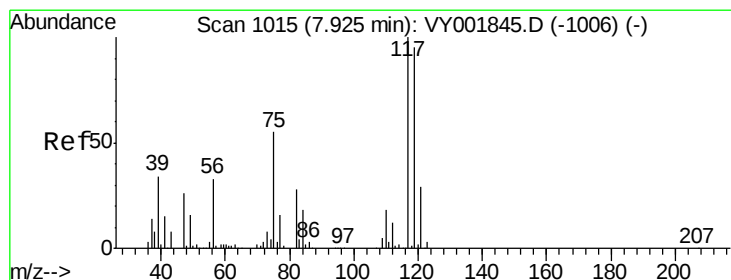
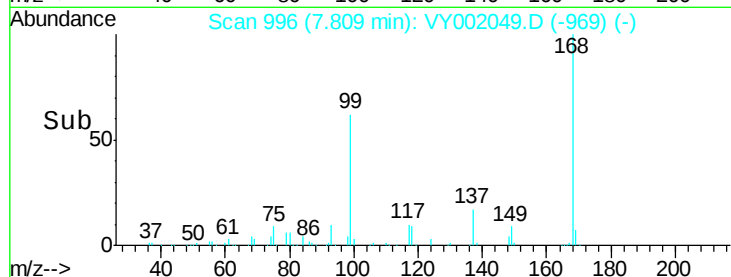
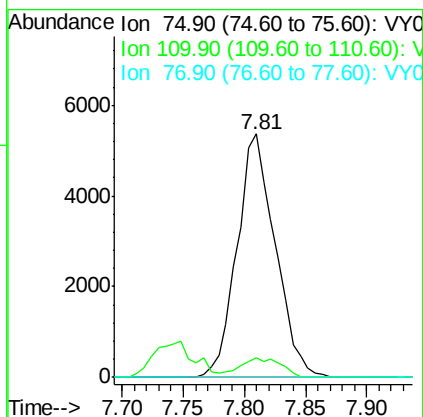
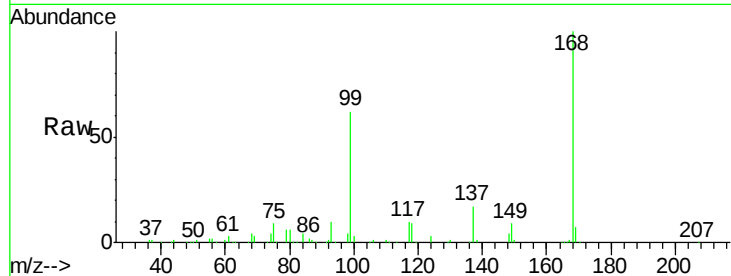




#36
 1,1-Dichloropropene
 Concen: 4.58 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002049.D
 Acq: 24 Mar 2020 14:41

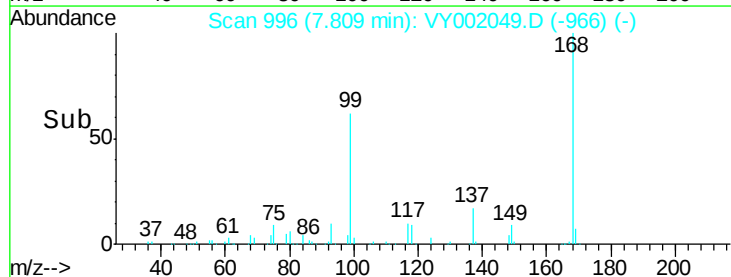
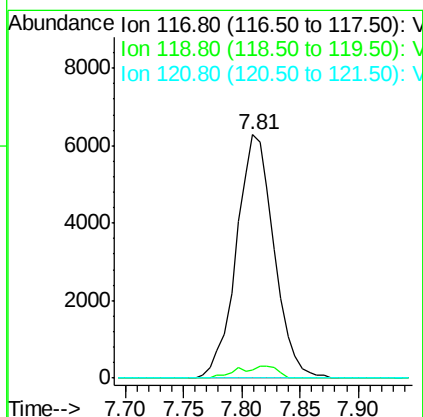
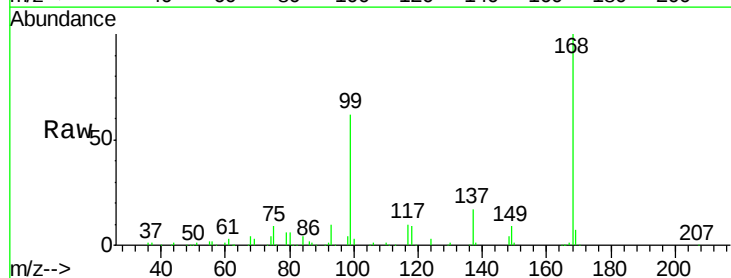
Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-01-51-52

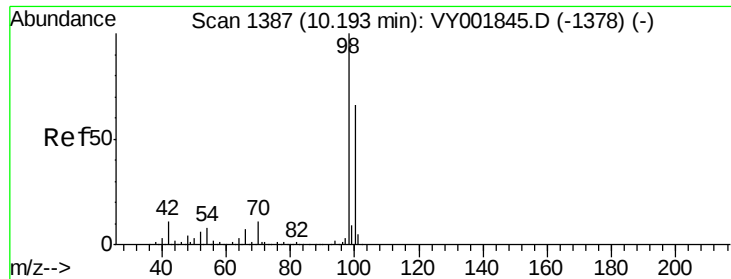
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.49 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002049.D
 Acq: 24 Mar 2020 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.2	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 53.28 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002049.D

Acq: 24 Mar 2020 14:41

Instrument :

MSVOA_Y

ClientSampleId :

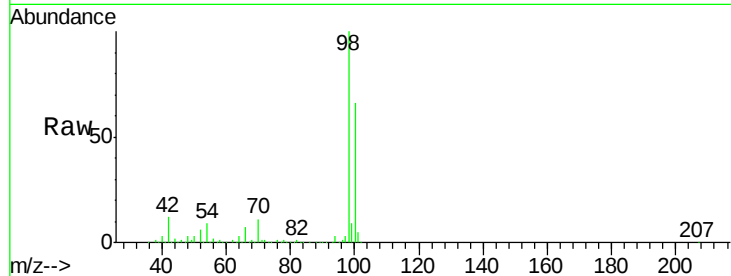
GHD1-SB-01-51-52

Tgt Ion: 98 Resp: 324193

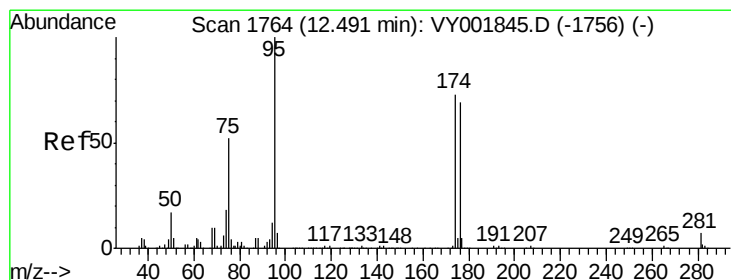
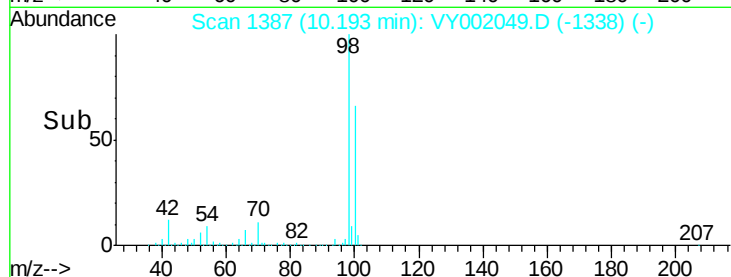
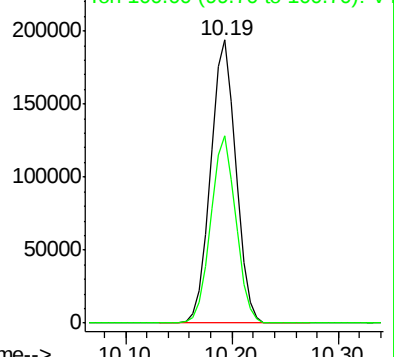
Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



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



#62

4-Bromofluorobenzene

Concen: 54.47 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002049.D

Acq: 24 Mar 2020 14:41

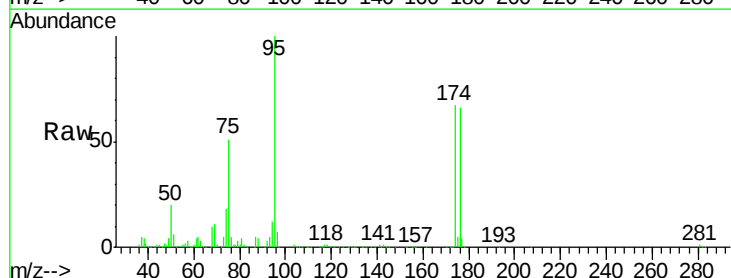
Tgt Ion: 95 Resp: 115260

Ion Ratio Lower Upper

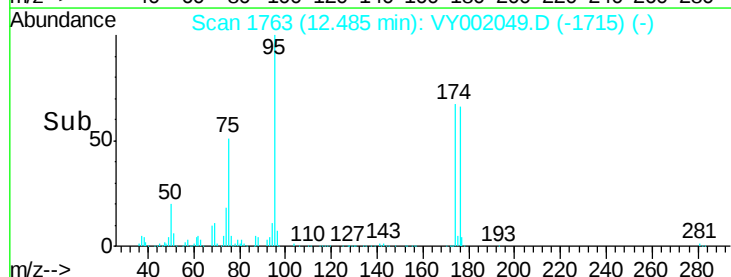
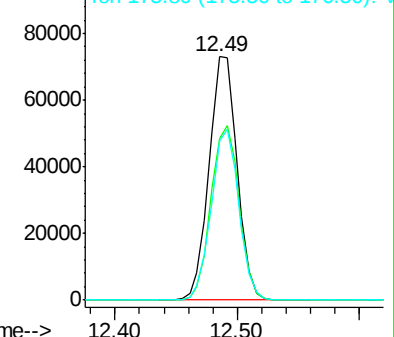
95 100

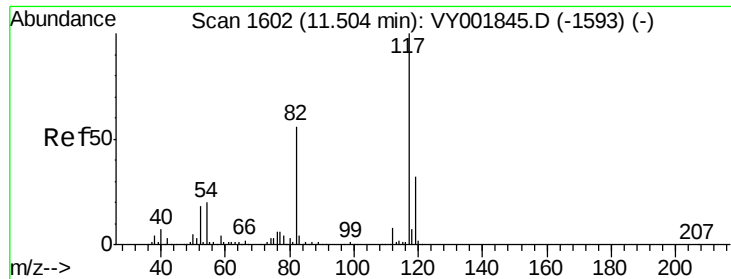
174 72.5 0.0 145.0

176 69.4 0.0 137.4



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

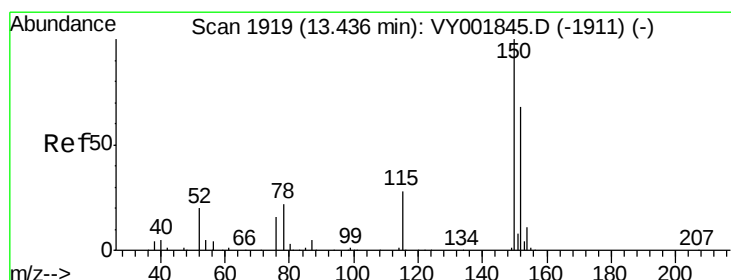
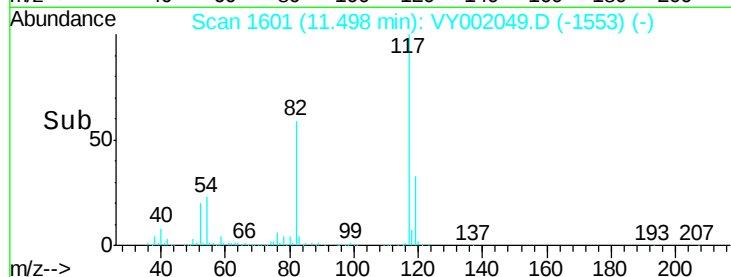
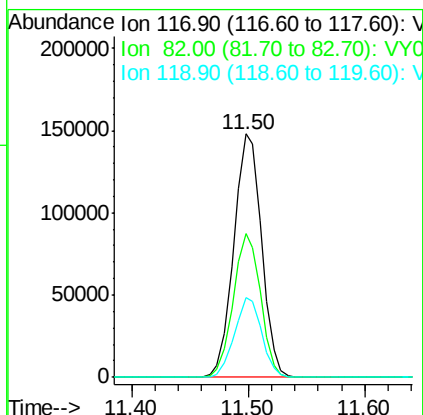
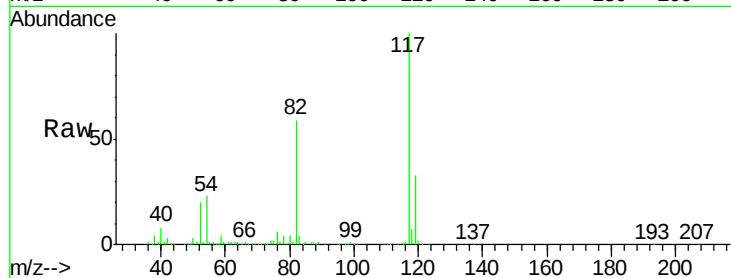




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002049.D
Acq: 24 Mar 2020 14:41

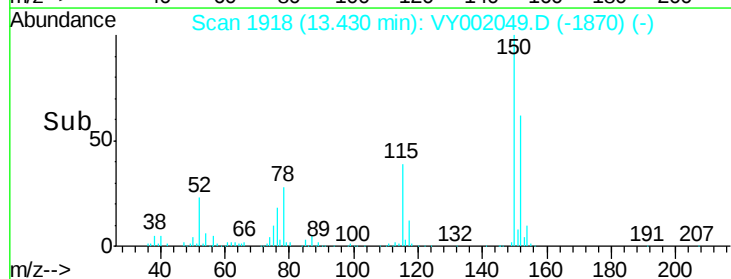
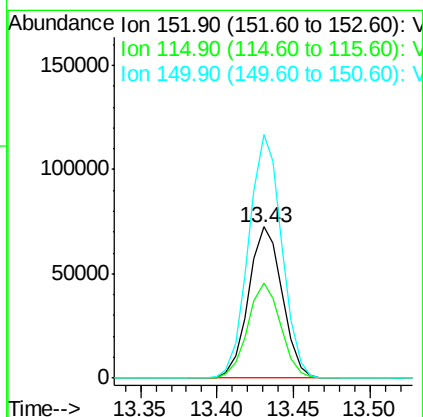
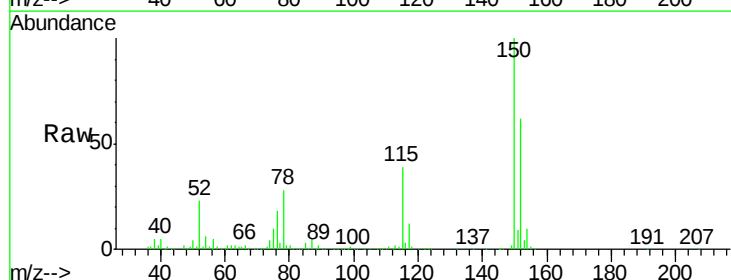
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-01-51-52

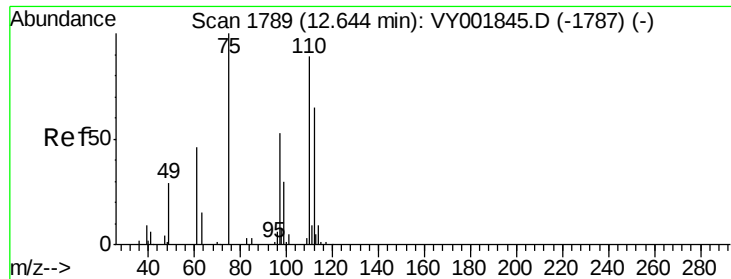
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.8	44.5	66.7
119	32.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002049.D
Acq: 24 Mar 2020 14:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	29.9	89.7
150	159.3	0.0	340.6

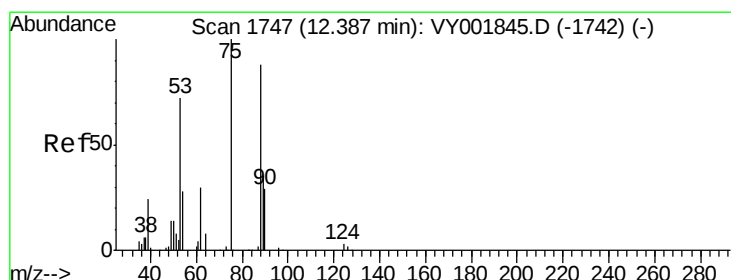
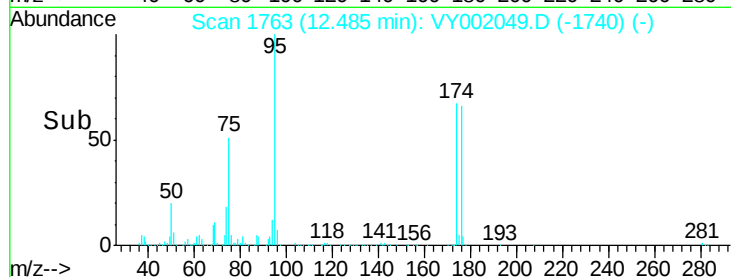
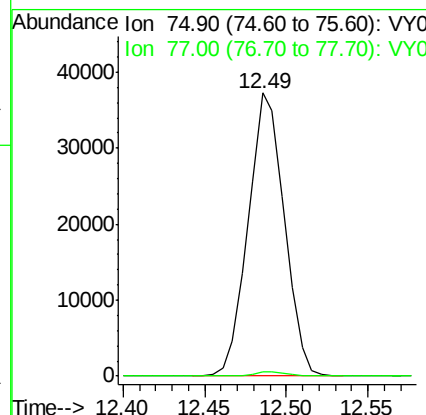
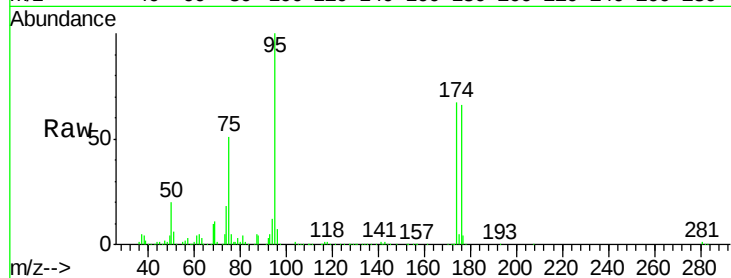




#76
 1,2,3-Trichloropropane
 Concen: 43.78 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY002049.D
 Acq: 24 Mar 2020 14:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-01-51-52

Tgt Ion: 75 Resp: 57637
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.43 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY002049.D
 Acq: 24 Mar 2020 14:41

Tgt Ion: 75 Resp: 57637
 Ion Ratio Lower Upper
 75 100
 53 0.2 65.4 98.0#
 89 0.1 36.0 54.0#

