

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 18:51:06 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

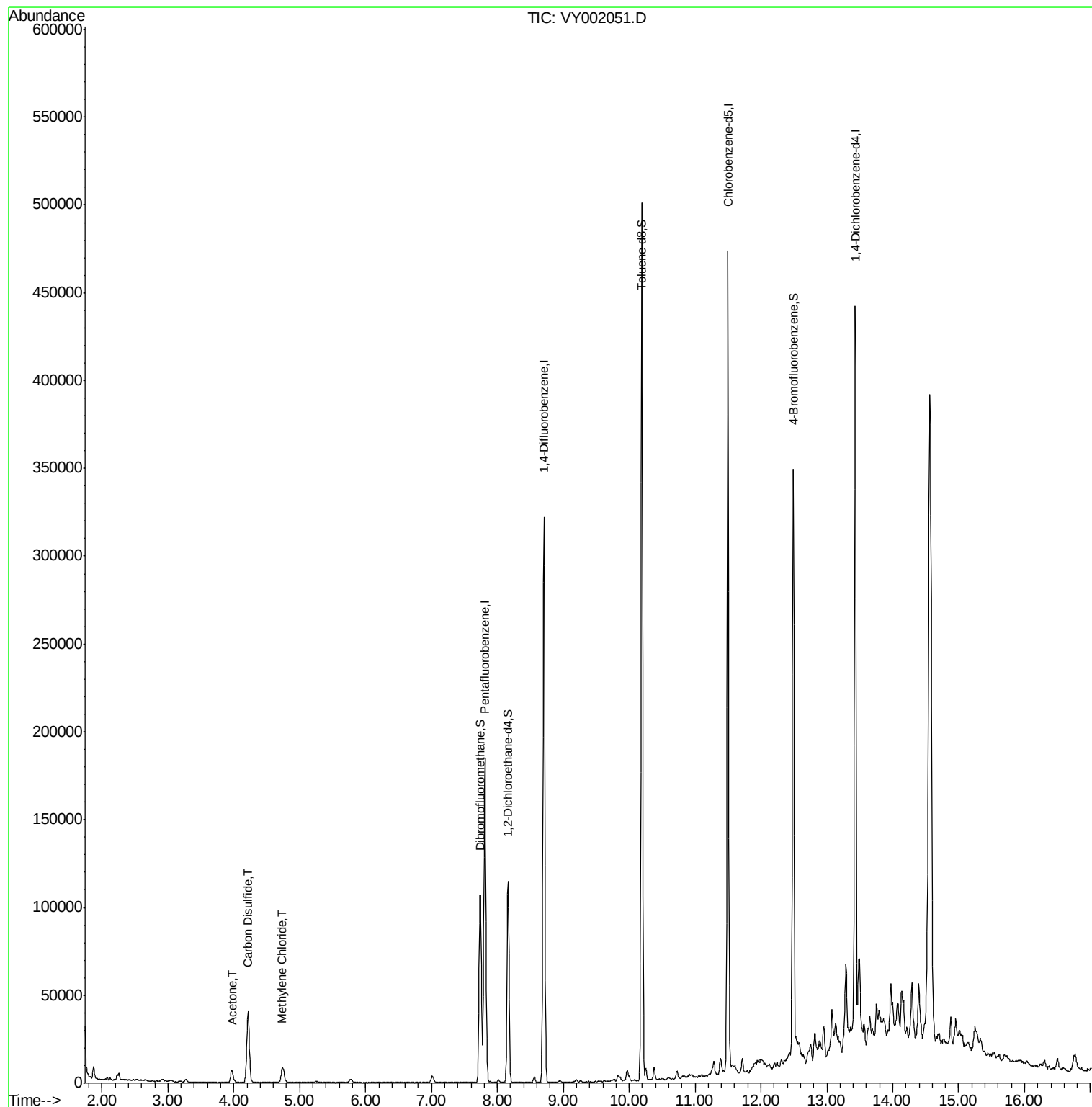
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	137962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	268396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	245656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	101256	50.00	ug/l	0.00
System Monitoring Compounds						
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						
16) Acetone	3.97	43	12623	29.426	ug/l	97
17) Carbon Disulfide	4.22	76	85783	16.636	ug/l	97
20) Methylene Chloride	4.74	84	6571	3.574	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 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 :

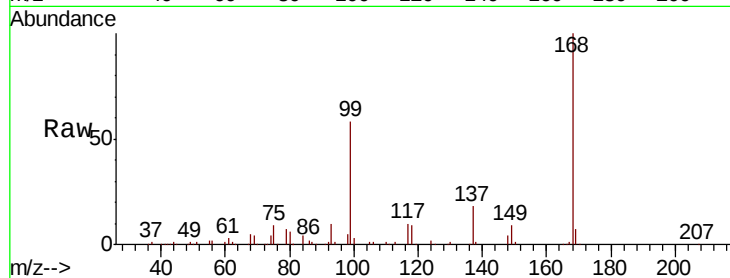
GHD1-SB-02-8-9

Tot 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) (-)

7.81

60000

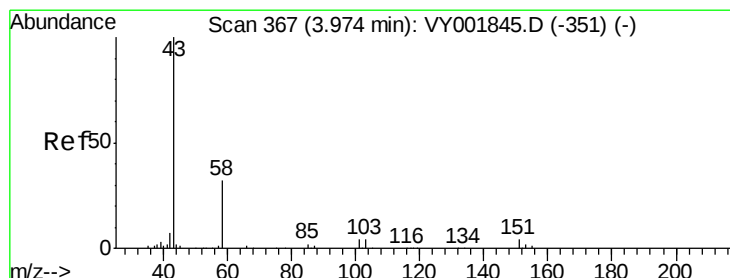
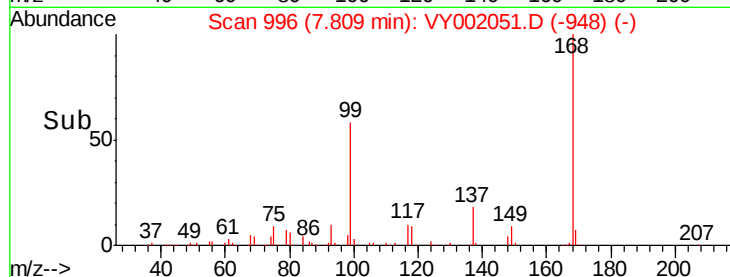
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 29.426 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY002051.D

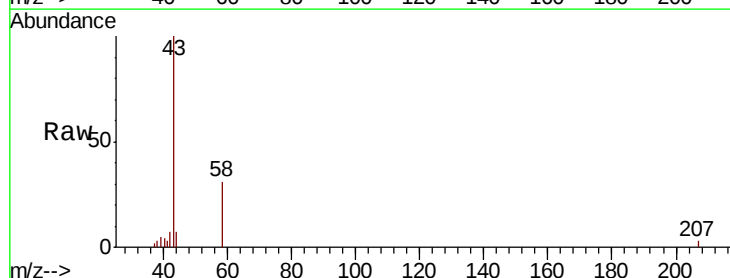
Acq: 24 Mar 2020 15:26

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): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)

3.97

5000

4000

3000

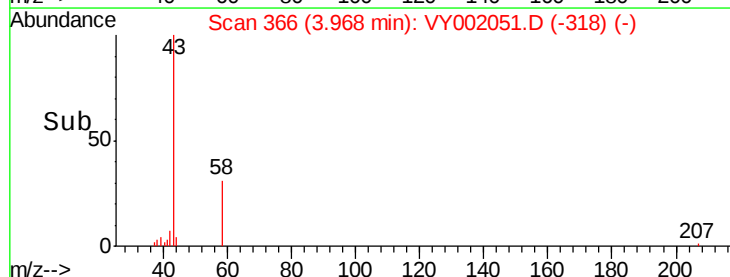
2000

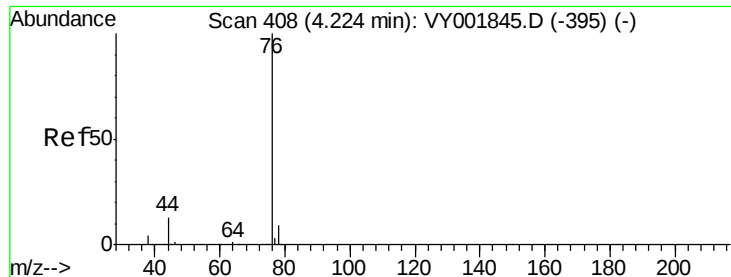
1000

0

3.90 4.00 4.10

Time-->





#17

Carbon Disulfide

Concen: 16.636 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 :

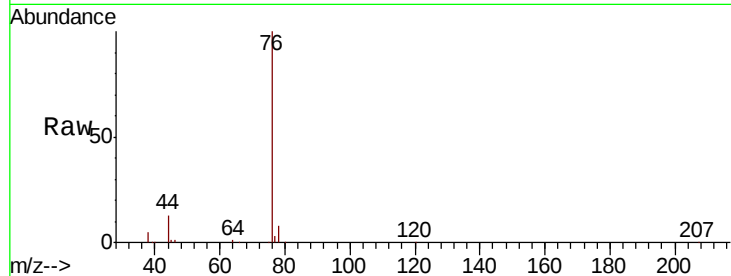
GHD1-SB-02-8-9

Tot Ion: 76 Resp: 85783

Ion Ratio Lower Upper

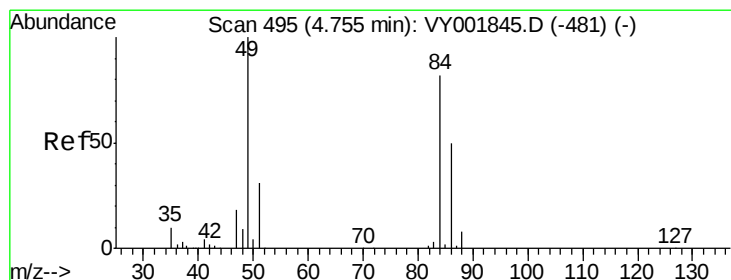
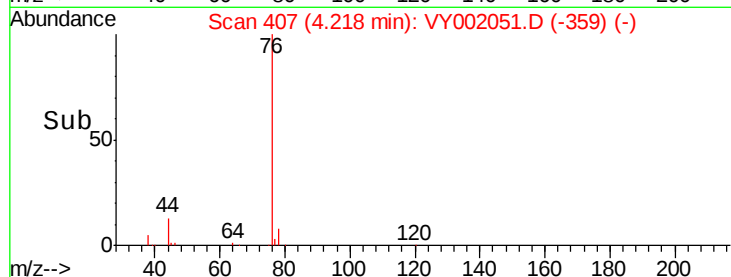
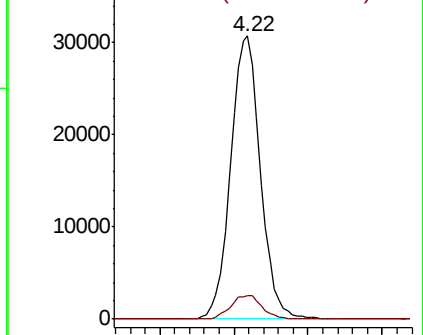
76 100

78 8.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 3.574 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

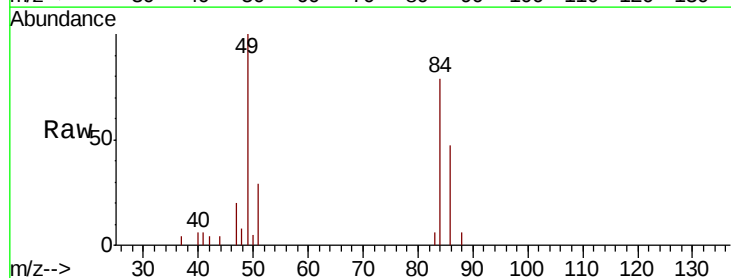
Ion Ratio Lower Upper

84 100

49 127.3 98.2 147.2

51 36.3 30.2 45.2

86 59.5 48.9 73.3

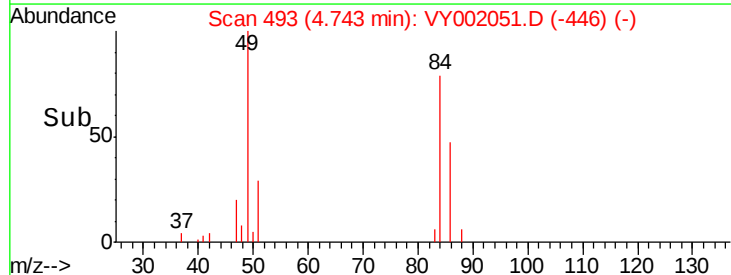
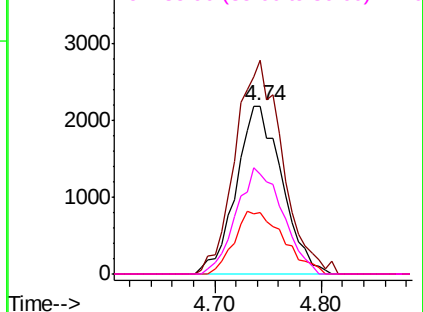


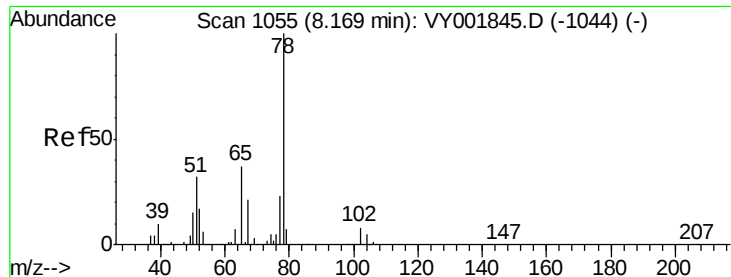
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 57.556 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 :

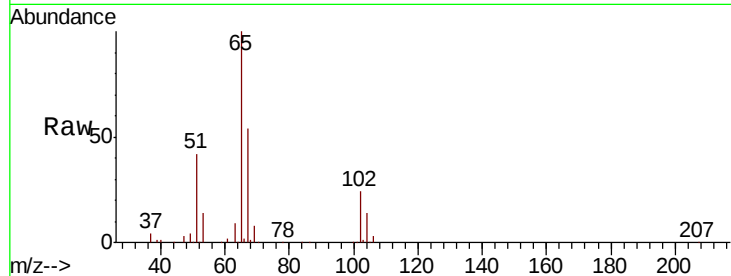
GHD1-SB-02-8-9

Tot Ion: 65 Resp: 84770

Ion Ratio Lower Upper

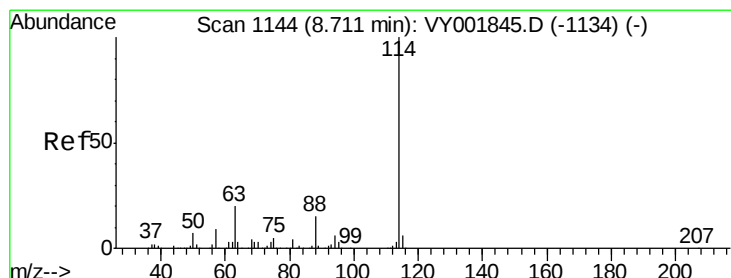
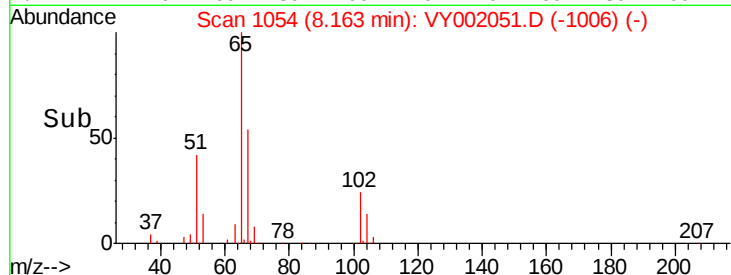
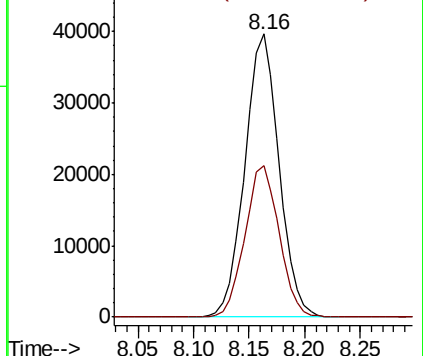
65 100

67 53.7 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: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002051.D

Acq: 24 Mar 2020 15:26

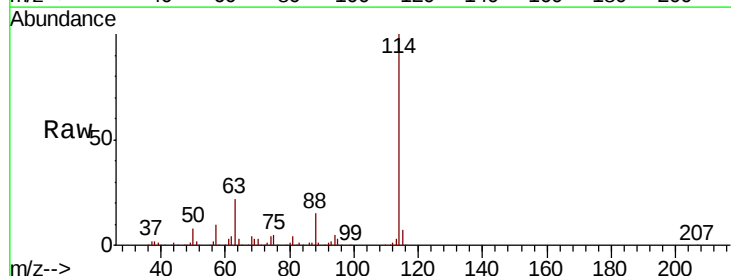
Tgt Ion: 114 Resp: 268396

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.4

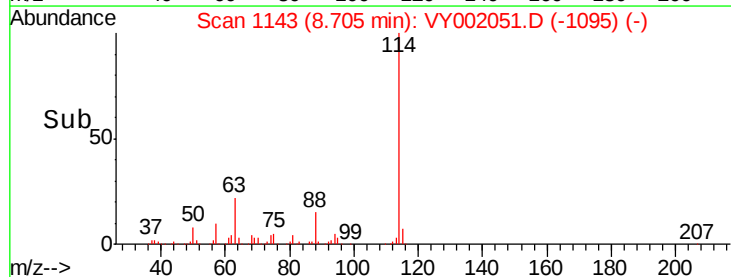
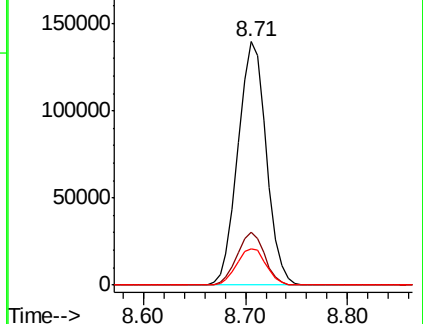
88 15.1 0.0 30.4

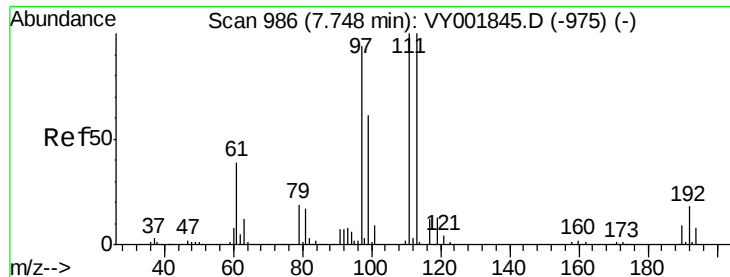


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 52.630 ug/l

RT: 7.74 min Scan# 985

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

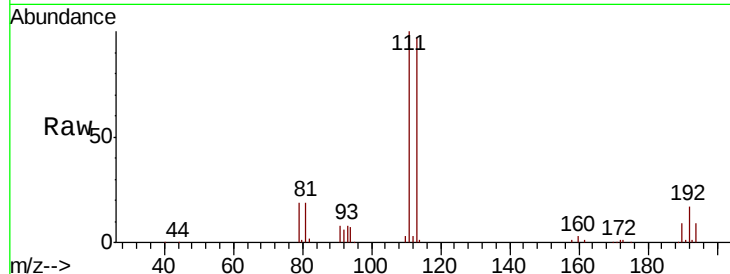
Tot Ion:113 Resp: 77133

Ion Ratio Lower Upper

113 100

111 104.8 81.8 122.8

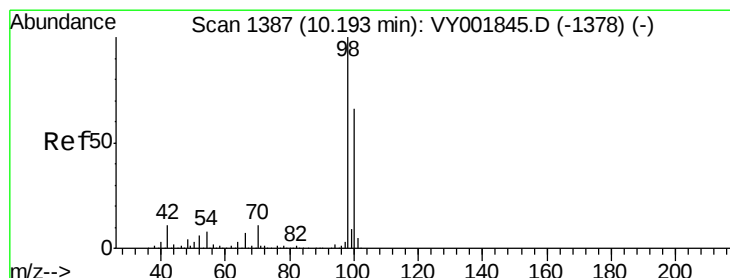
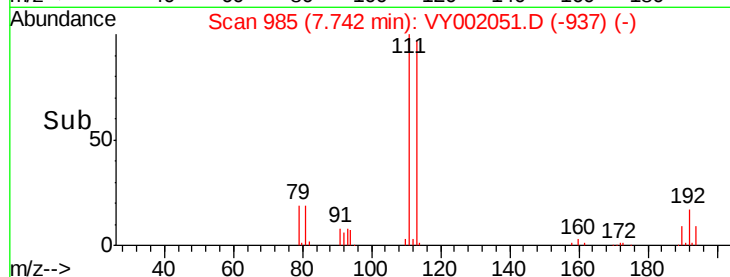
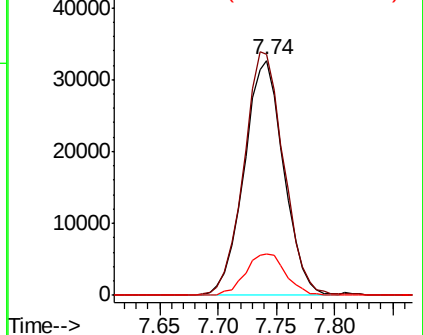
192 18.1 14.2 21.2



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



#50

Toluene-d8

Concen: 52.734 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002051.D

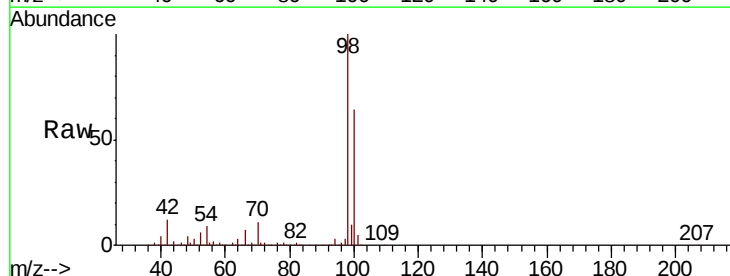
Acq: 24 Mar 2020 15:26

Tgt Ion: 98 Resp: 325895

Ion Ratio Lower Upper

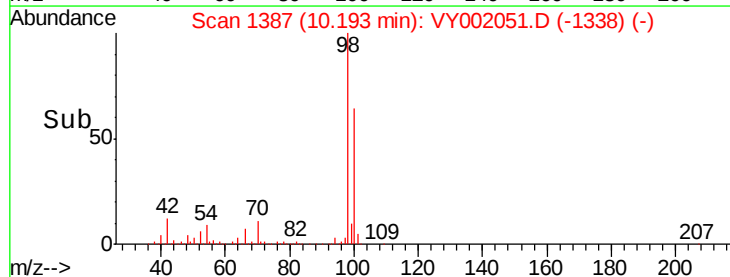
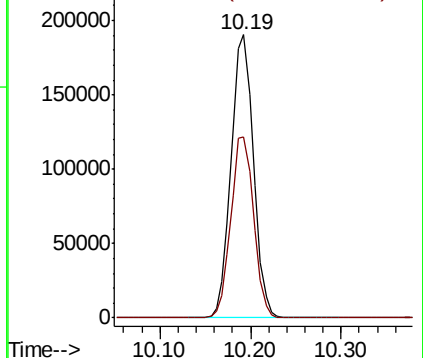
98 100

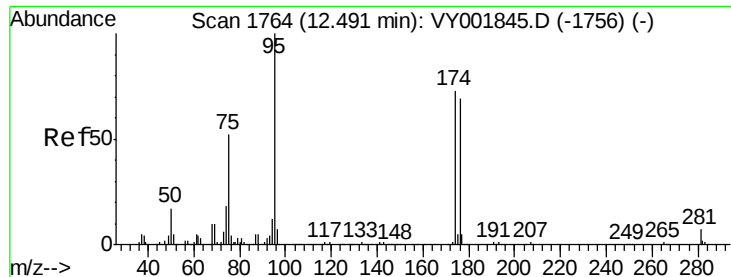
100 65.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

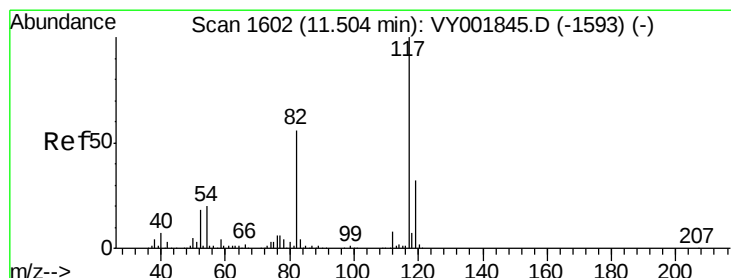
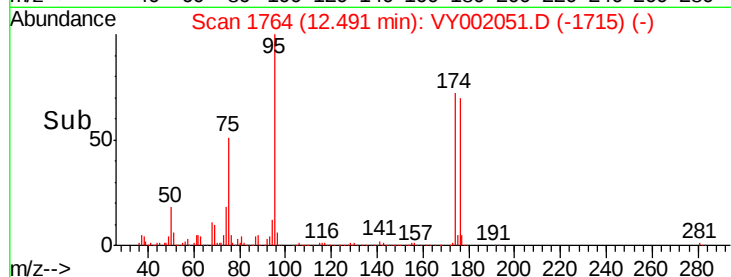
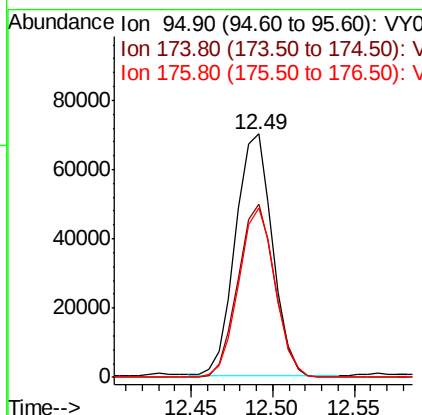
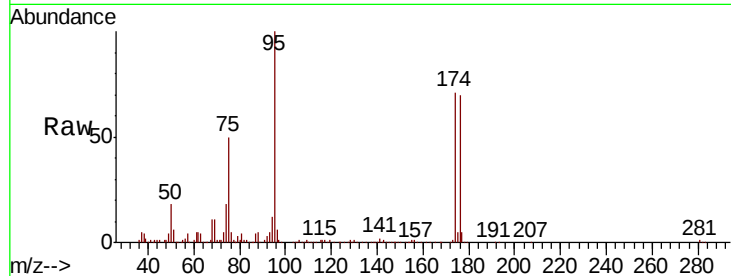




#62
4-Bromofluorobenzene
Concen: 51.309 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002051.D
Acq: 24 Mar 2020 15:26

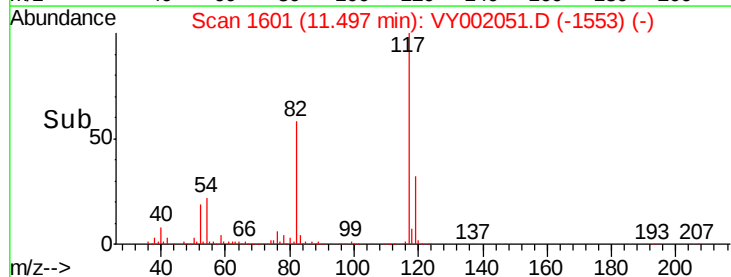
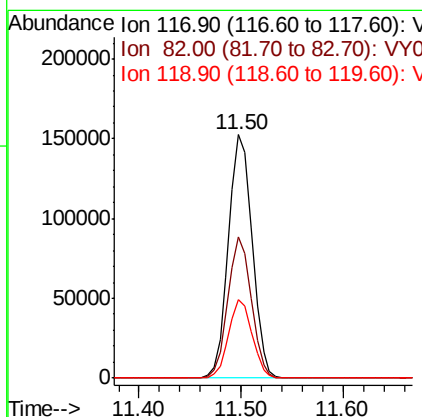
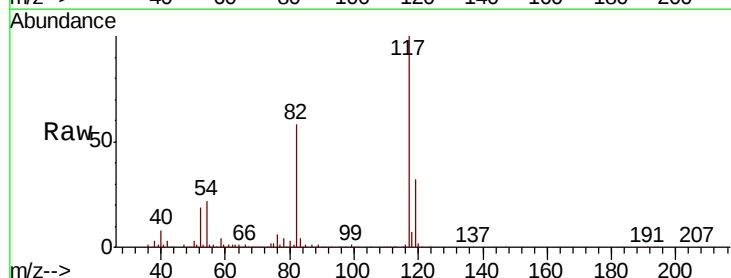
Instrument :
MSVOA_Y
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GHD1-SB-02-8-9

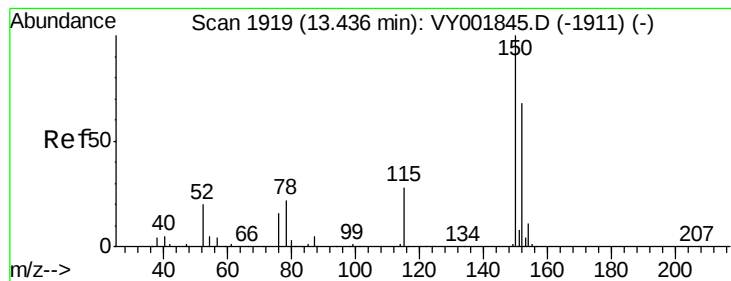
Tot Ion: 95 Resp: 110257
Ion Ratio Lower Upper
95 100
174 71.3 0.0 145.0
176 69.2 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002051.D
Acq: 24 Mar 2020 15:26

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: 50.000 ug/l

RT: 13.43 min Scan# 1918

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

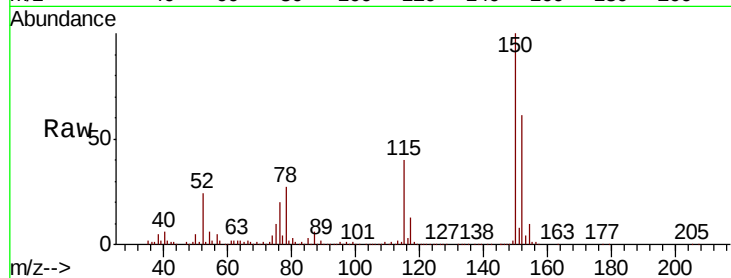
Tot Ion:152 Resp: 101256

Ion Ratio Lower Upper

152 100

115 62.3 29.9 89.7

150 157.4 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

