

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001516.D
 Acq On : 05 Feb 2020 18:40
 Operator : SY/MD
 Sample : L1393-09
 Misc : 7.22G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HAM-SB-02-2-3

Quant Time: Feb 06 08:02:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

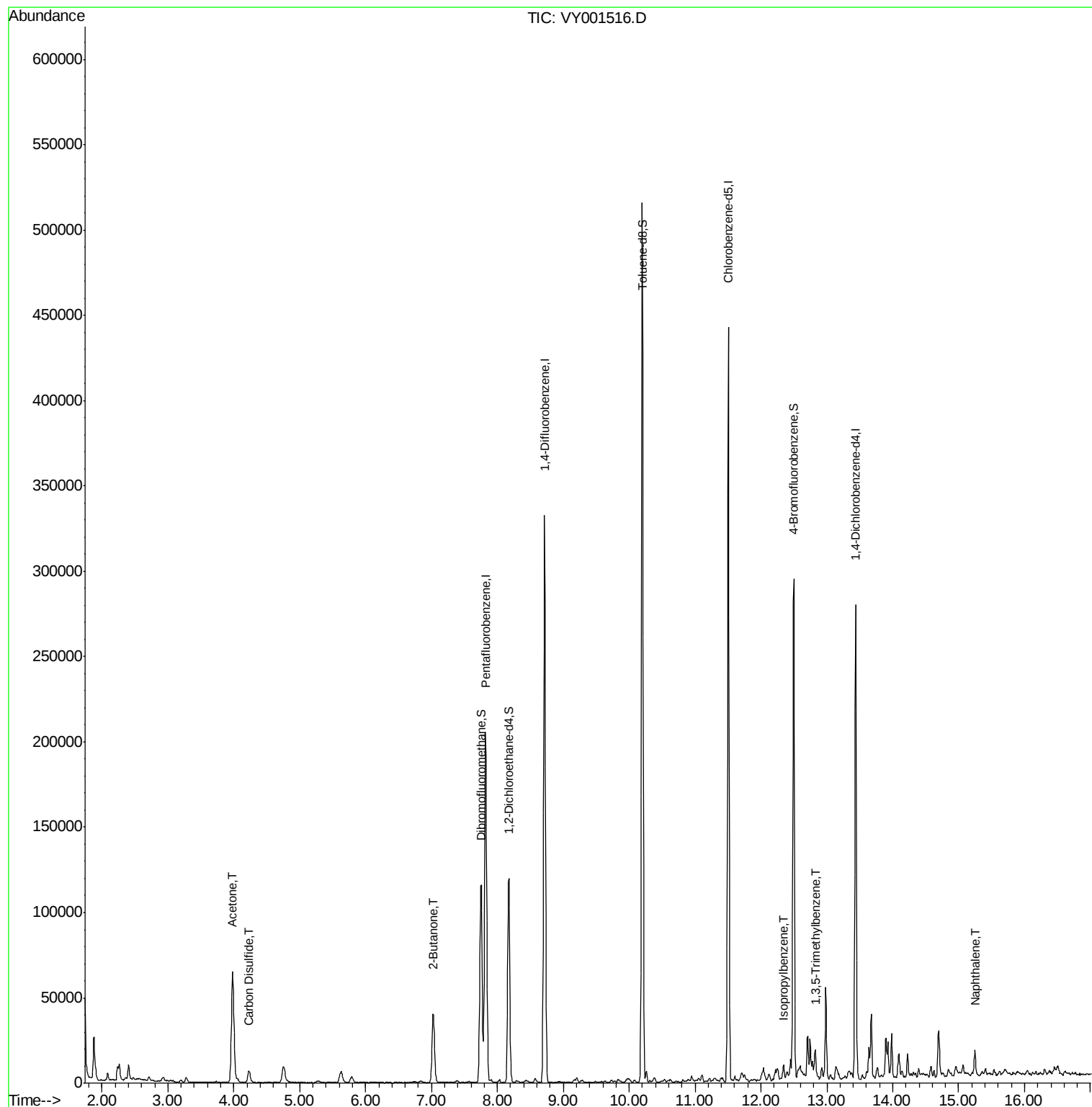
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	156424	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	289997	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	235058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	67172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	93307	59.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	118.48%	
35) Dibromofluoromethane	7.75	113	86572	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
50) Toluene-d8	10.20	98	336172	53.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.49	95	97966	39.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.62%	
Target Compounds						
16) Acetone	3.98	43	116746	256.261	ug/l	95
17) Carbon Disulfide	4.22	76	12967	2.477	ug/l	100
25) 2-Butanone	7.02	43	69560	117.691	ug/l	94
73) Isopropylbenzene	12.34	105	5217	1.018	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	4342	1.006	ug/l	95
95) Naphthalene	15.25	128	11274	3.697	ug/l #	94

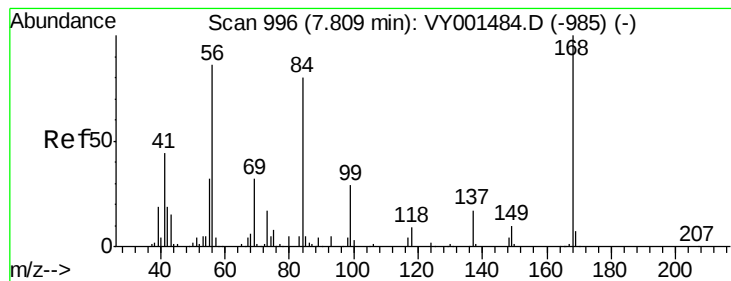
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001516.D

Acq: 05 Feb 2020 18:40

Instrument :

MSVOA_Y

ClientSampleId :

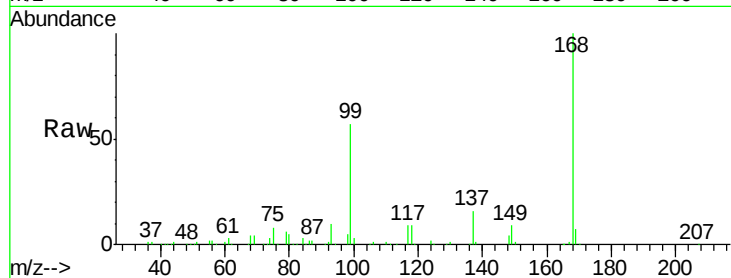
HAM-SB-02-2-3

Tot Ion:168 Resp: 156424

Ion Ratio Lower Upper

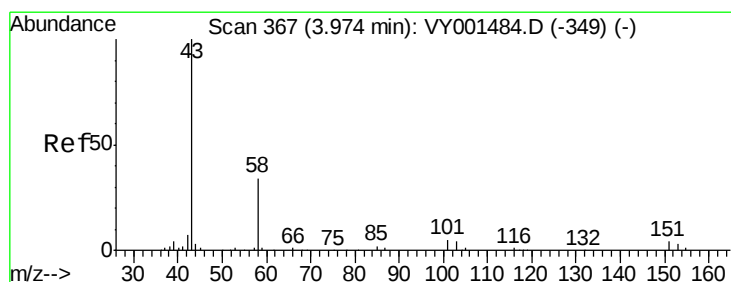
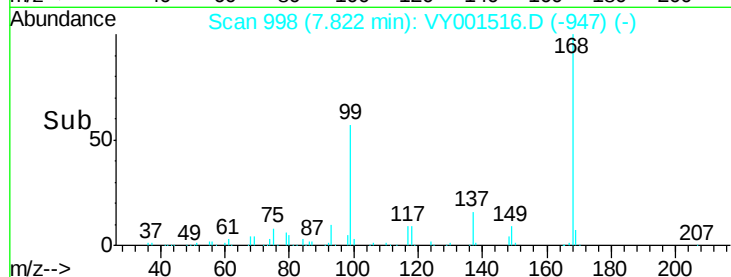
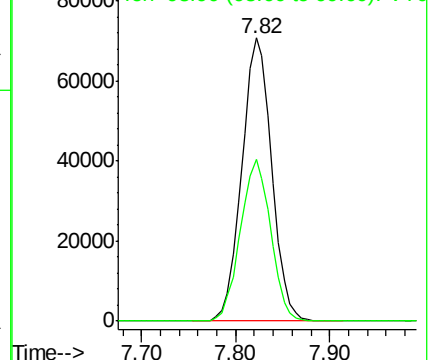
168 100

99 57.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001516.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001516.D (-947) (-)



#16

Acetone

Concen: 256.261 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001516.D

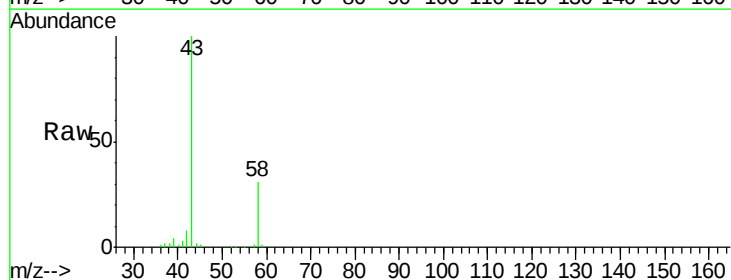
Acq: 05 Feb 2020 18:40

Tgt Ion: 43 Resp: 116746

Ion Ratio Lower Upper

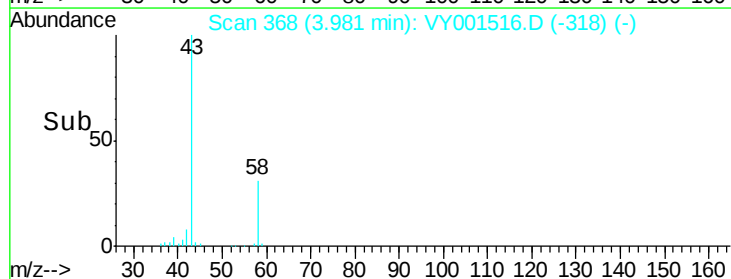
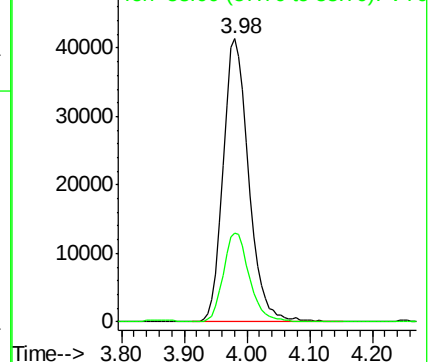
43 100

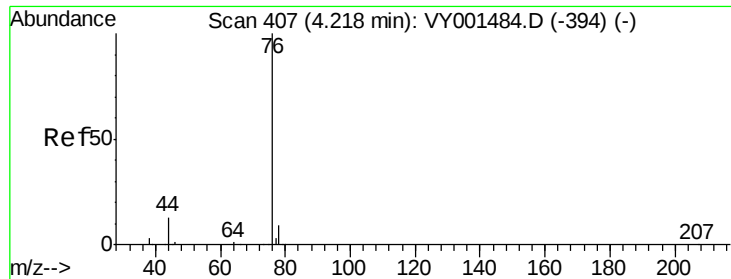
58 31.3 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001516.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001516.D (-318) (-)

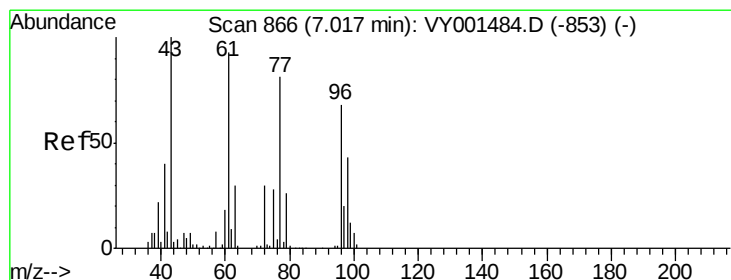
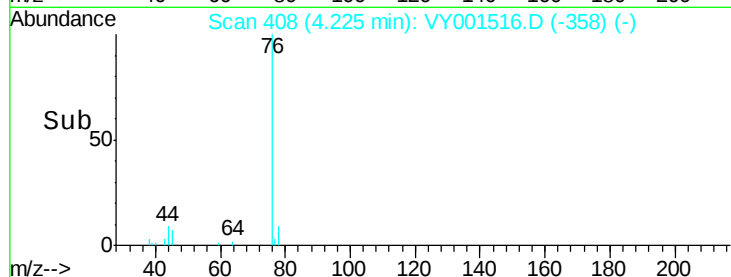
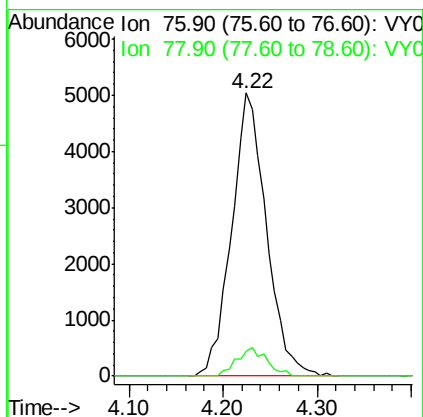
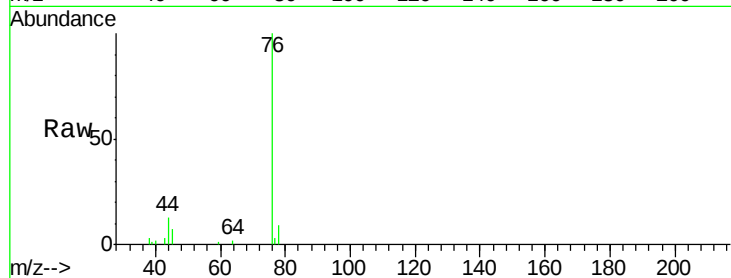




#17
Carbon Disulfide
Concen: 2.477 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001516.D
Acq: 05 Feb 2020 18:40

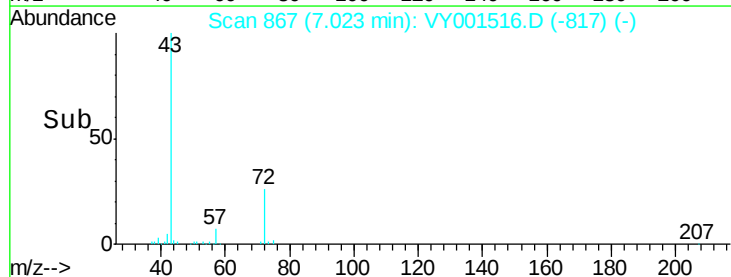
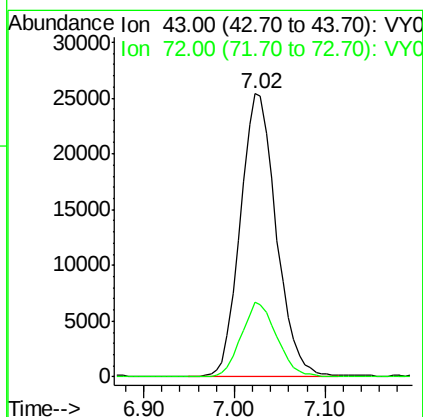
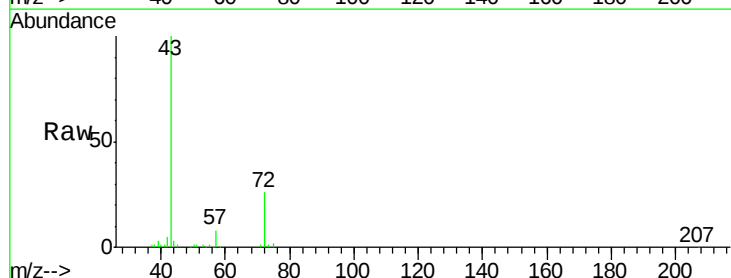
Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-02-2-3

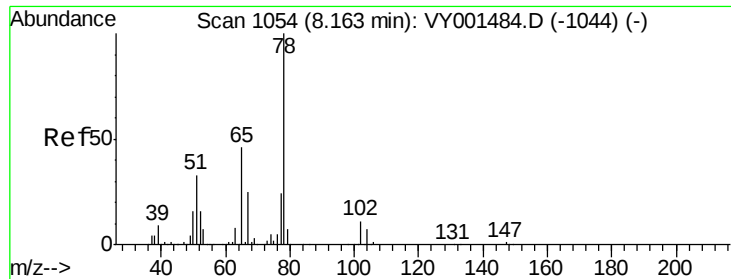
Tot Ion: 76 Resp: 12967
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#25
2-Butanone
Concen: 117.691 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001516.D
Acq: 05 Feb 2020 18:40

Tgt Ion: 43 Resp: 69560
Ion Ratio Lower Upper
43 100
72 26.4 23.8 35.8





#33

1,2-Dichloroethane-d4

Concen: 59.244 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001516.D

Acq: 05 Feb 2020 18:40

Instrument :

MSVOA_Y

ClientSampleId :

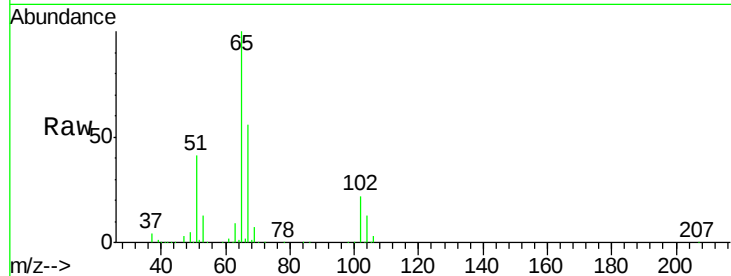
HAM-SB-02-2-3

Tot Ion: 65 Resp: 93307

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.6

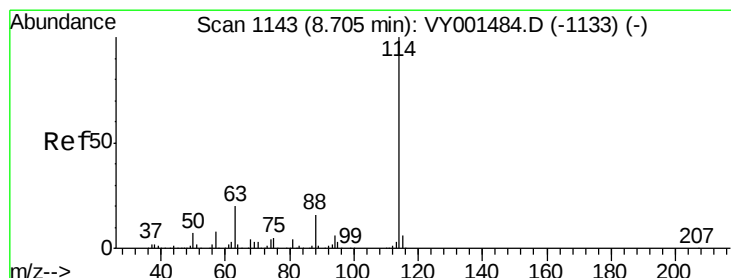
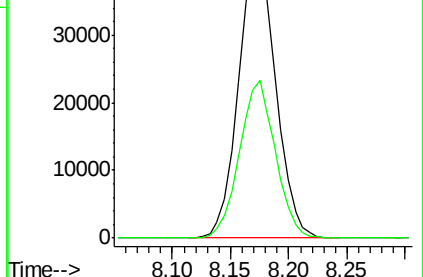
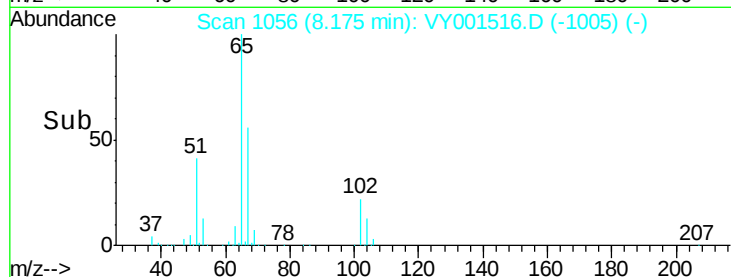


Abundance Ion 64.90 (64.60 to 65.60): VY001516.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001516.D (-1044) (-)

8.18

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001516.D

Acq: 05 Feb 2020 18:40

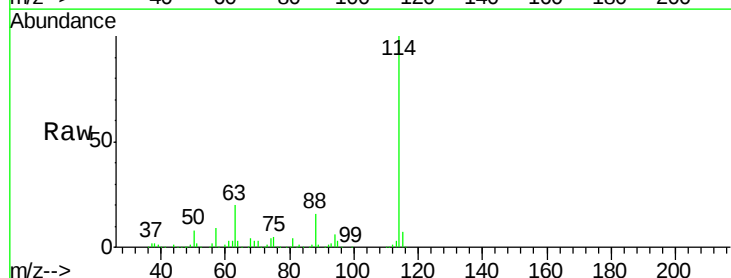
Tgt Ion: 114 Resp: 289997

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

88 16.1 0.0 32.6



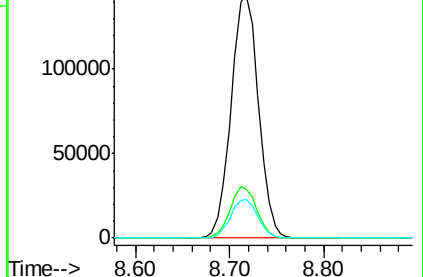
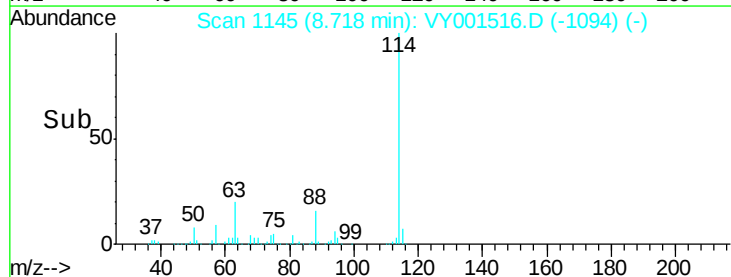
Abundance Ion 113.90 (113.60 to 114.60): VY001516.D (-1094) (-)

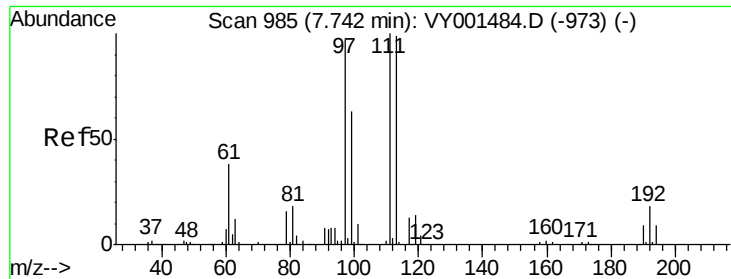
Ion 63.00 (62.70 to 63.70): VY001516.D (-1094) (-)

Ion 87.90 (87.60 to 88.60): VY001516.D (-1094) (-)

8.72

Time-->

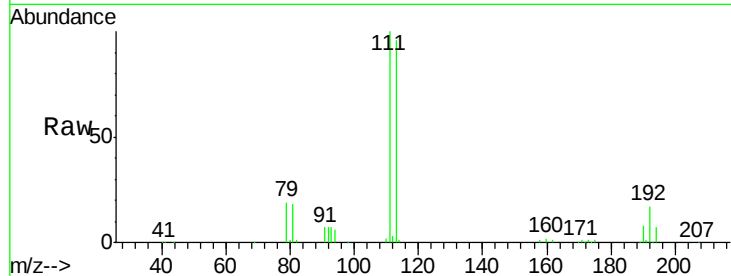




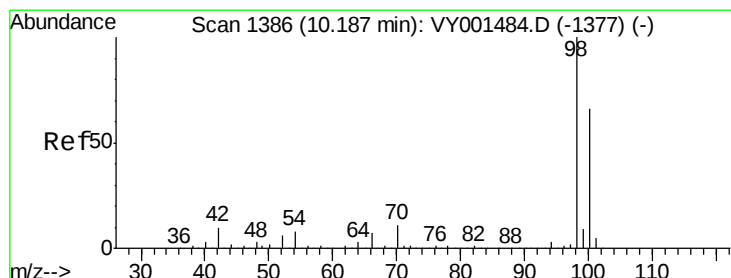
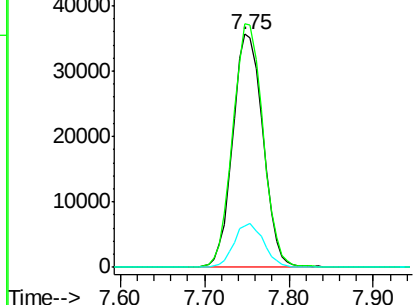
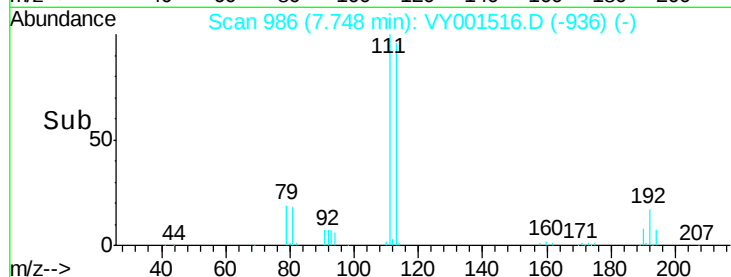
#35
Dibromofluoromethane
Concen: 51.769 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY001516.D
Acq: 05 Feb 2020 18:40

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-02-2-3

Tot Ion:113 Resp: 86572
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 18.4 14.6 22.0

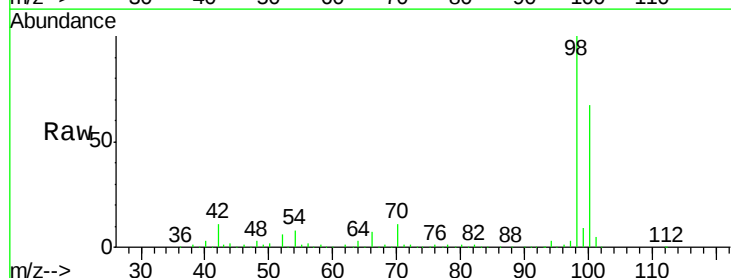


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

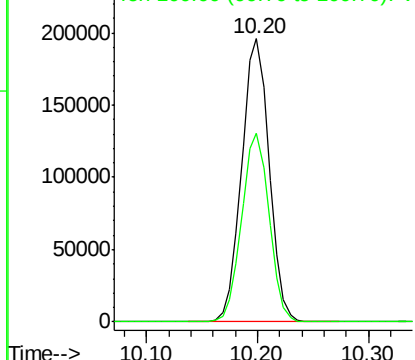
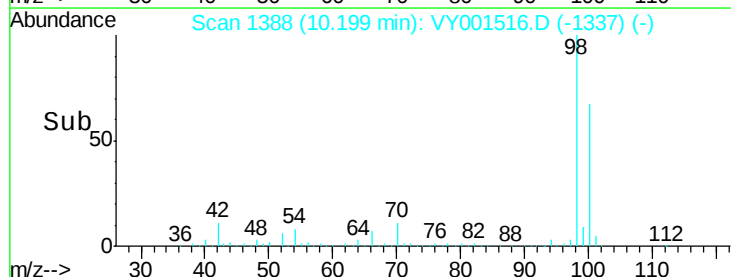


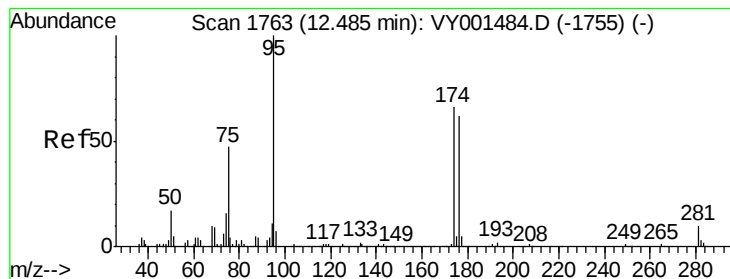
#50
Toluene-d8
Concen: 53.134 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001516.D
Acq: 05 Feb 2020 18:40

Tgt Ion: 98 Resp: 336172
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 39.305 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001516.D

Acq: 05 Feb 2020 18:40

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-02-2-3

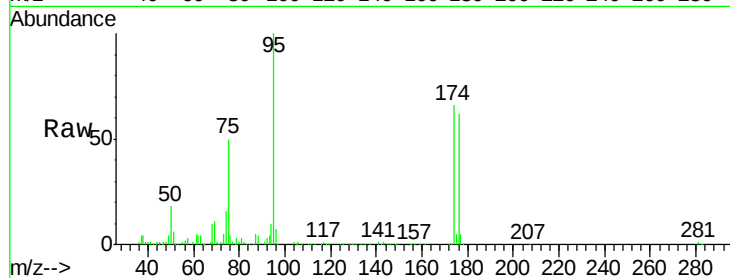
Tot Ion: 95 Resp: 97966

Ion Ratio Lower Upper

95 100

174 71.4 0.0 141.4

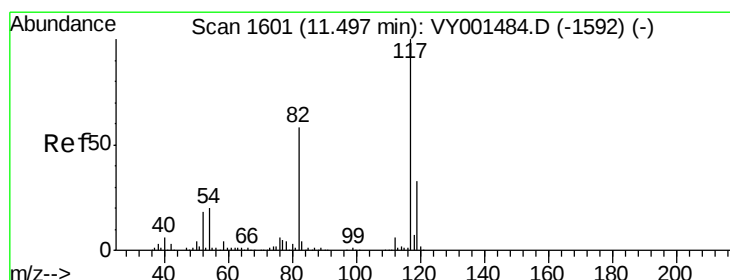
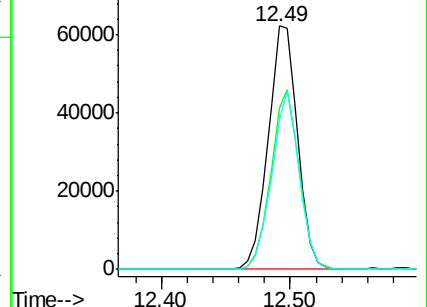
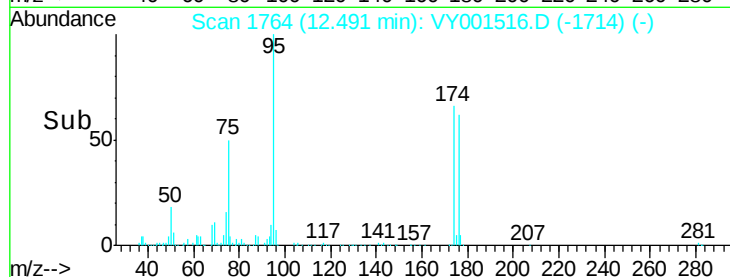
176 69.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY001516.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001516.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001516.D (-1714) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001516.D

Acq: 05 Feb 2020 18:40

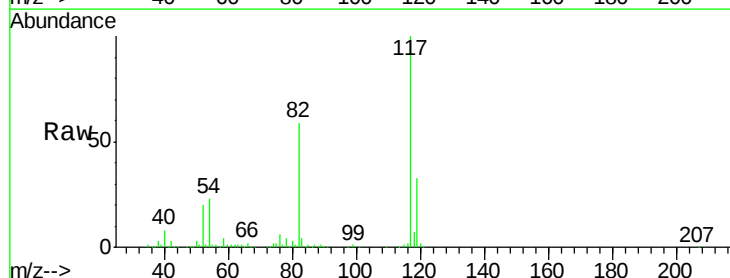
Tgt Ion: 117 Resp: 235058

Ion Ratio Lower Upper

117 100

82 58.7 46.1 69.1

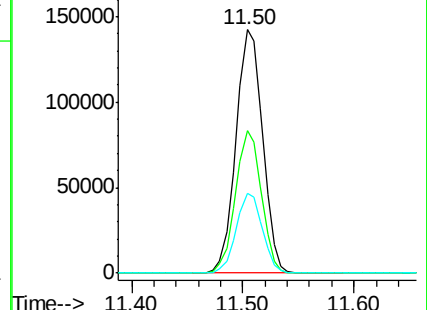
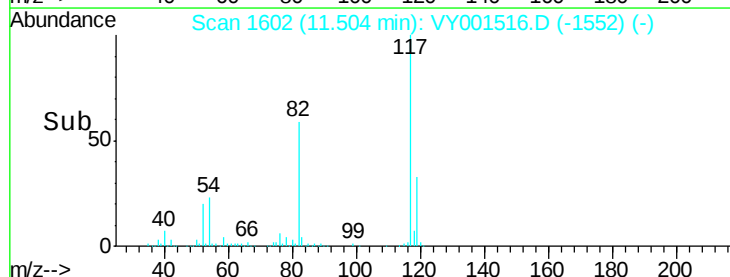
119 32.8 26.1 39.1

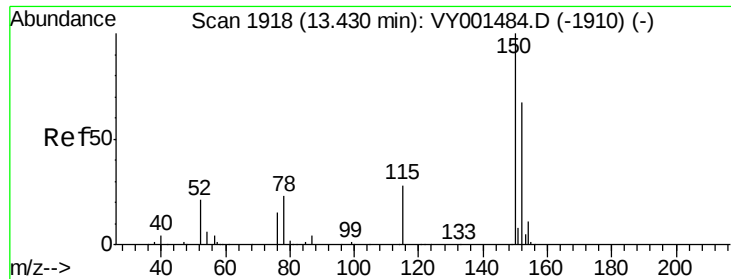


Abundance Ion 116.90 (116.60 to 117.60): VY001516.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY001516.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY001516.D (-1552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001516.D

Acq: 05 Feb 2020 18:40

Instrument :

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HAM-SB-02-2-3

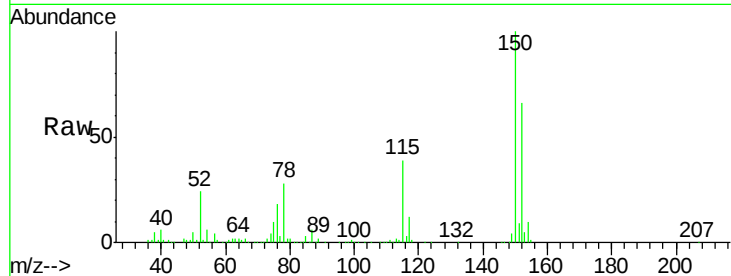
Tot Ion:152 Resp: 67172

Ion Ratio Lower Upper

152 100

115 61.1 31.4 94.3

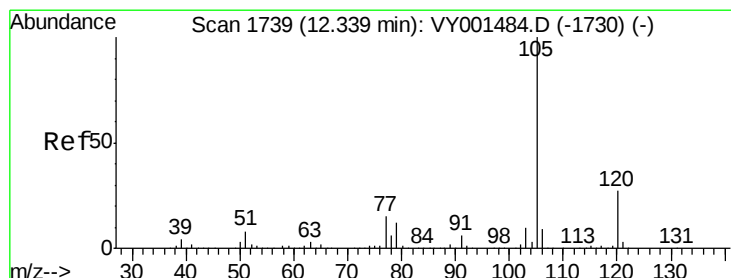
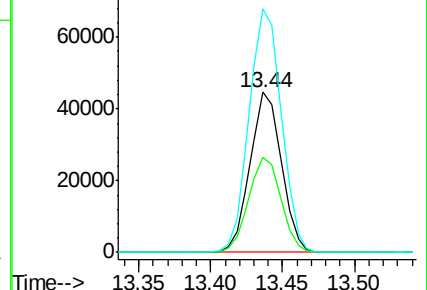
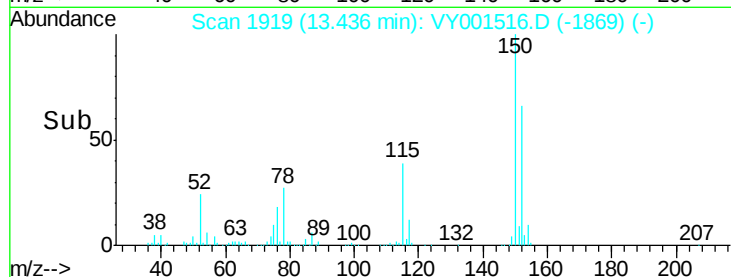
150 156.5 0.0 346.8



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



#73

Isopropylbenzene

Concen: 1.018 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001516.D

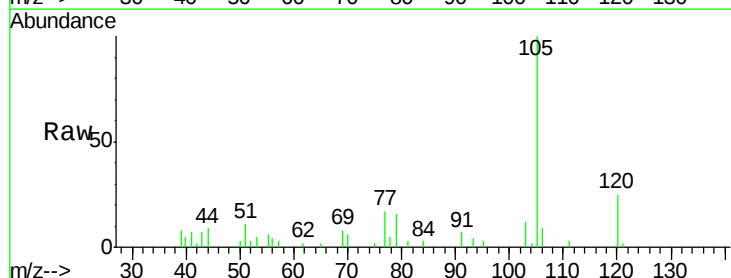
Acq: 05 Feb 2020 18:40

Tgt Ion:105 Resp: 5217

Ion Ratio Lower Upper

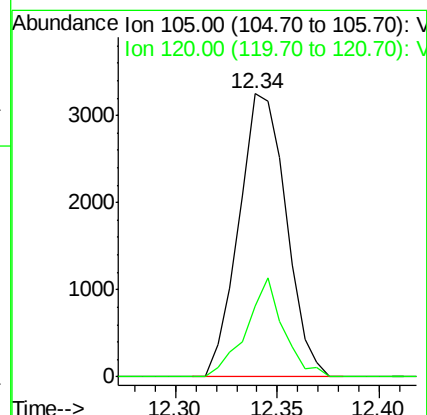
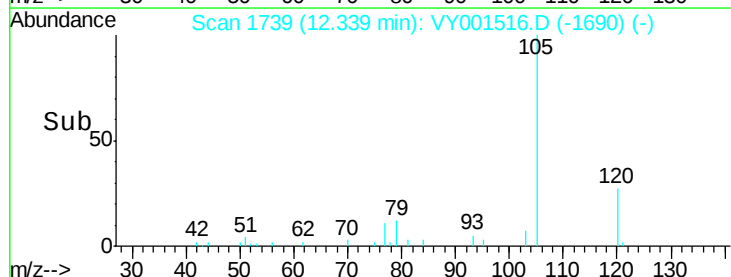
105 100

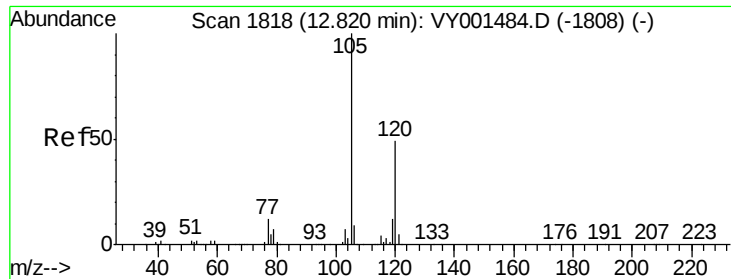
120 27.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.006 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001516.D

Acq: 05 Feb 2020 18:40

Instrument :

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ClientSampleId :

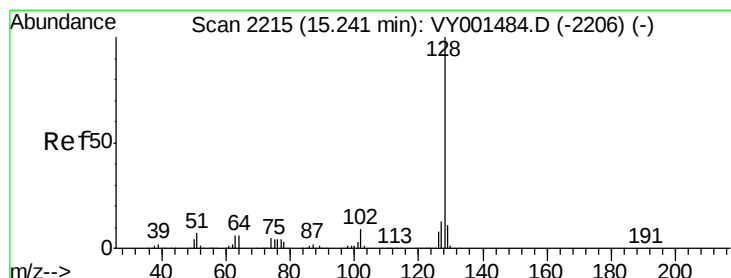
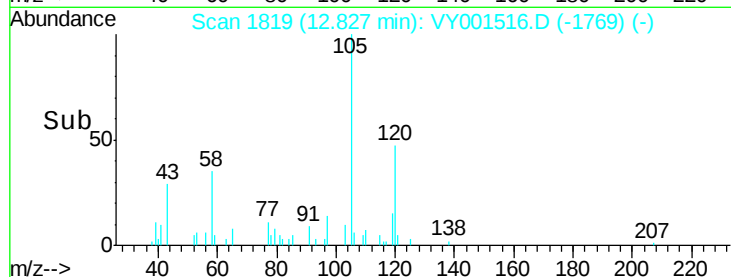
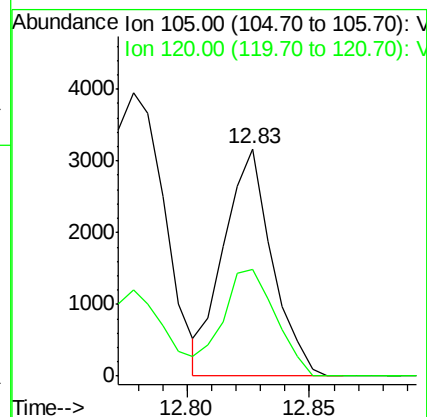
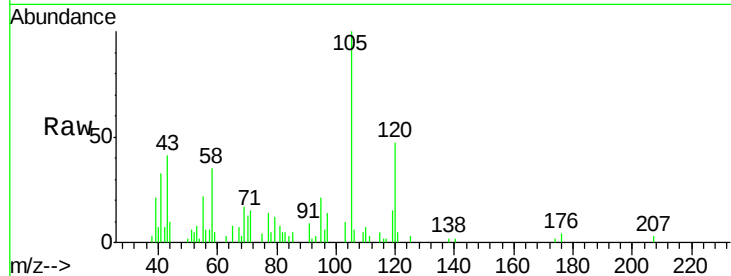
HAM-SB-02-2-3

Tot Ion:105 Resp: 4342

Ion Ratio Lower Upper

105 100

120 51.8 24.1 72.2



#95

Naphthalene

Concen: 3.697 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001516.D

Acq: 05 Feb 2020 18:40

Tgt Ion:128 Resp: 11274

Ion Ratio Lower Upper

128 100

127 15.6 10.1 15.1#

129 12.5 8.9 13.3

