

Data File : VY001508.D
Acq On : 05 Feb 2020 15:42
Operator : SY/MD
Sample : L1393-01
Misc : 6.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-07-1-2

Quant Time: Feb 06 06:59:57 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	173454	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	325049	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	286475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	108940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	106642	61.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.12%	
35) Dibromofluoromethane	7.75	113	99018	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
50) Toluene-d8	10.20	98	385867	54.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.49	95	133984	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds

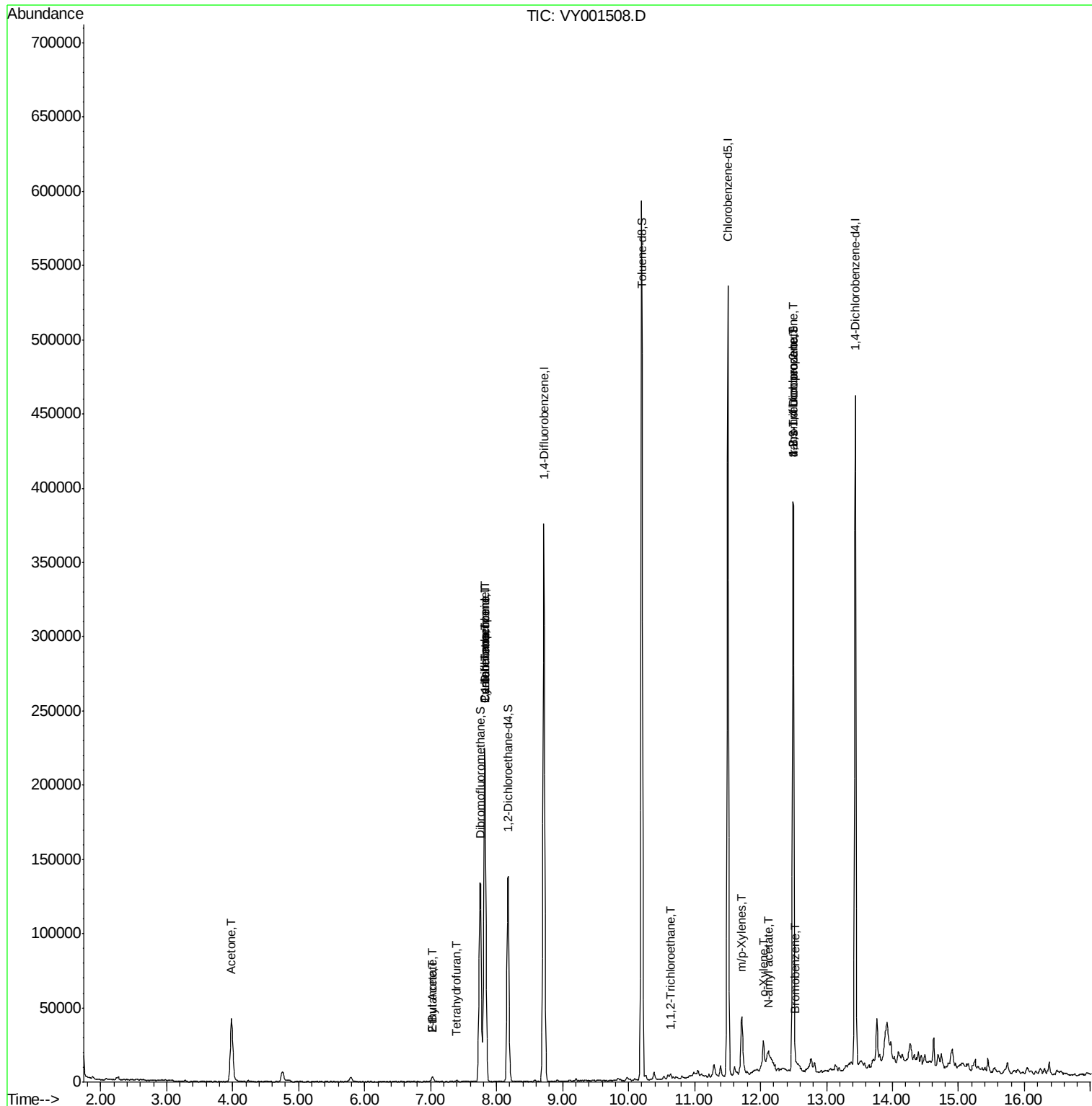
					Qvalue
11) Tert butyl alcohol	4.99	59	97	Below Cal	# 76
16) Acetone	3.98	43	75984	150.412	ug/l 98
20) Methylene Chloride	4.75	84	5068	Below Cal	94
25) 2-Butanone	7.03	43	4926	7.516	ug/l 94
29) Tetrahydrofuran	7.38	42	481	1.224	ug/l # 51
31) Cyclohexane	7.82	56	3884	1.142	ug/l # 18
36) 1,1-Dichloropropene	7.83	75	13736	4.619	ug/l # 47
37) Ethyl Acetate	7.03	43	4926	3.422	ug/l # 66
38) Carbon Tetrachloride	7.83	117	17438	6.061	ug/l # 16
55) 1,1,2-Trichloroethane	10.63	97	1800	1.091	ug/l # 30
68) m/p-Xylenes	11.71	106	9174	2.350	ug/l 94
69) o-Xylene	12.04	106	5126	1.392	ug/l 85
74) N-amyl acetate	12.11	43	6651	3.081	ug/l # 54
76) 1,2,3-Trichloropropane	12.49	75	66335	56.622	ug/l # 100
77) Bromobenzene	12.53	156	5138	2.857	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.49	75	66335	109.561	ug/l # 16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001508.D

Acq: 05 Feb 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

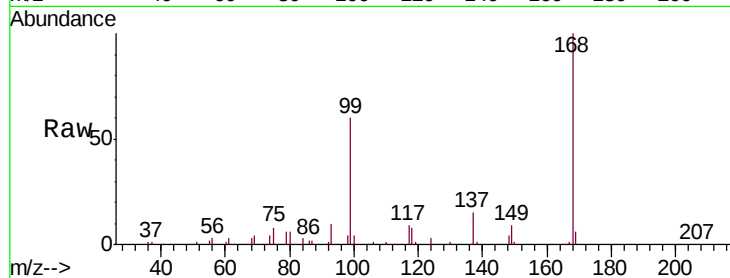
HAM-SB-07-1-2

Tgt Ion: 168 Resp: 173454

Ion Ratio Lower Upper

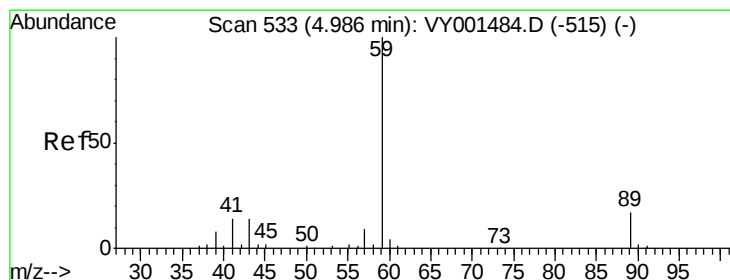
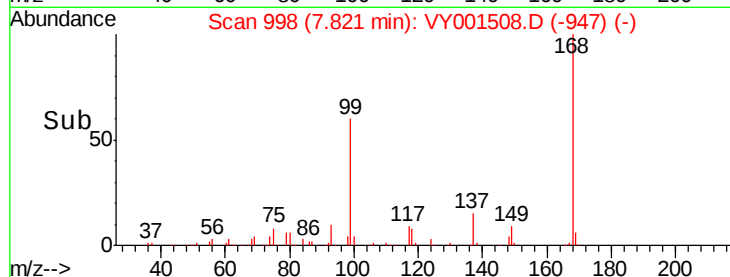
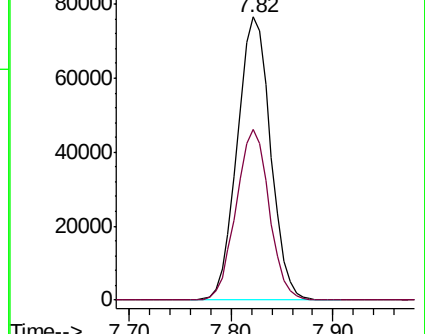
168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001508.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001508.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.00 min

Lab File: VY001508.D

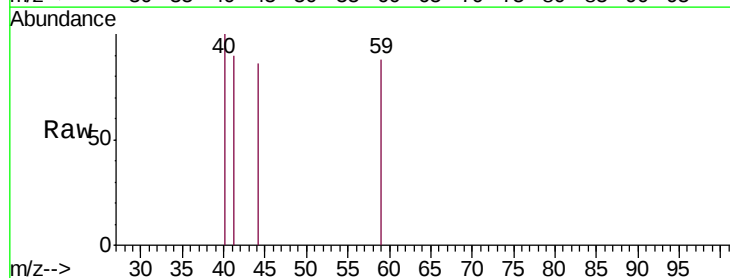
Acq: 05 Feb 2020 15:42

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

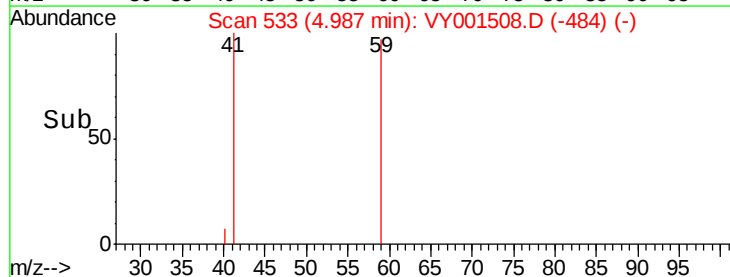
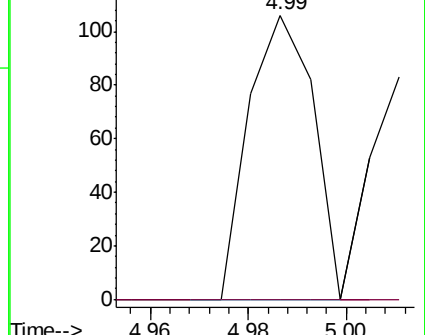
59 100

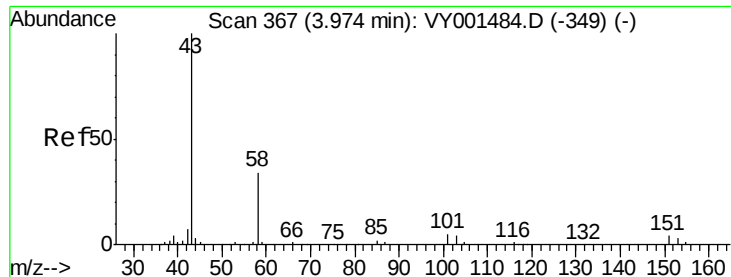
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001508.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001508.D (-484) (-)





#16

Acetone

Concen: 150.412 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001508.D

Acq: 05 Feb 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

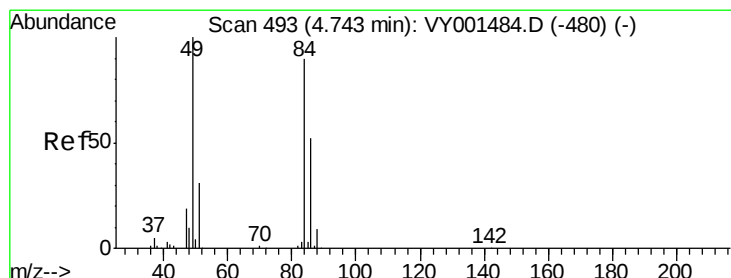
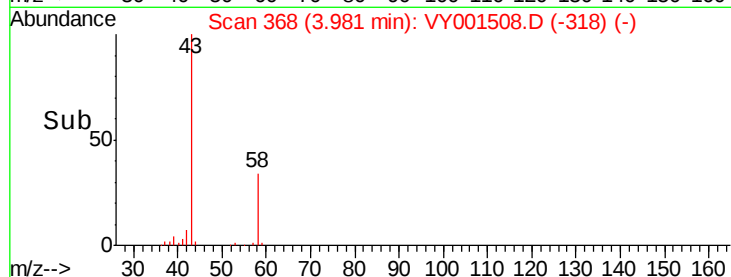
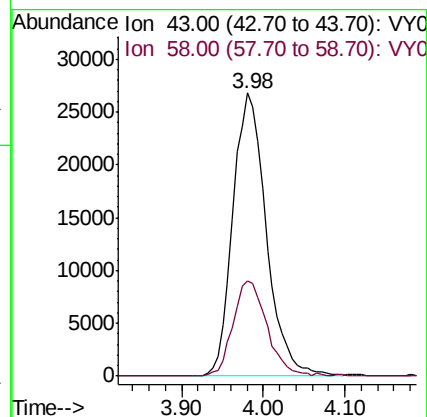
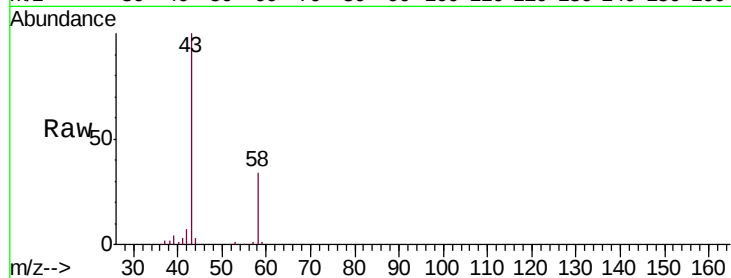
HAM-SB-07-1-2

Tgt Ion: 43 Resp: 75984

Ion Ratio Lower Upper

43 100

58 33.5 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001508.D

Acq: 05 Feb 2020 15:42

Tgt Ion: 84 Resp: 5068

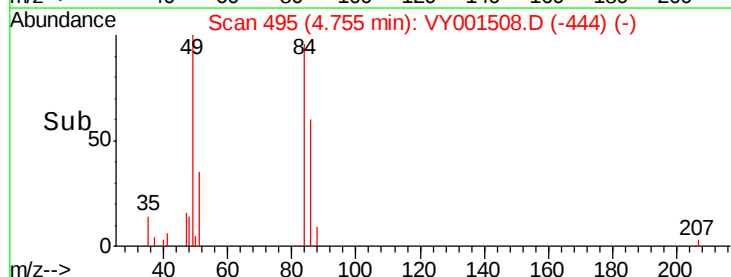
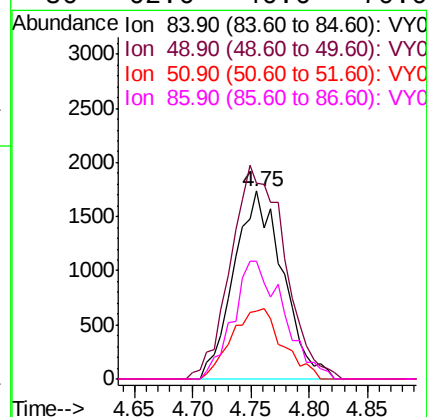
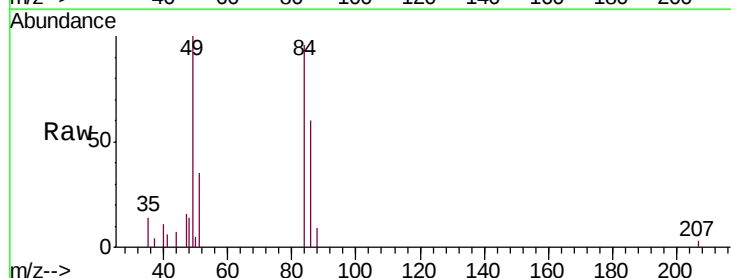
Ion Ratio Lower Upper

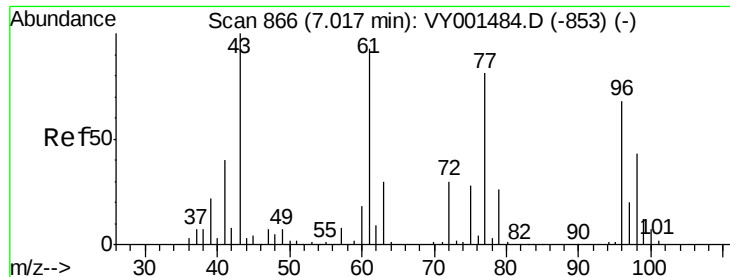
84 100

49 104.1 89.0 133.6

51 36.0 27.4 41.2

86 62.6 46.6 70.0





#25

2-Butanone

Concen: 7.516 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001508.D

Acq: 05 Feb 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

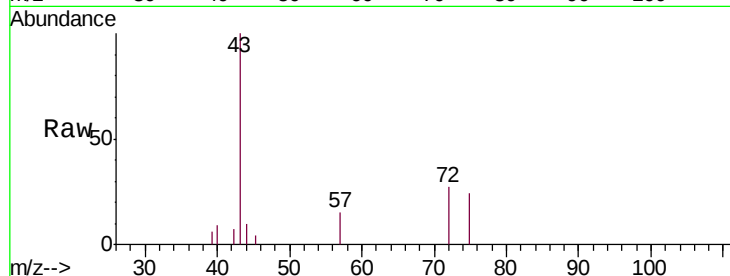
HAM-SB-07-1-2

Tgt Ion: 43 Resp: 4926

Ion Ratio Lower Upper

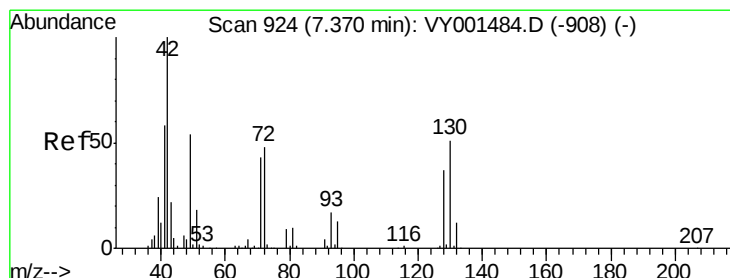
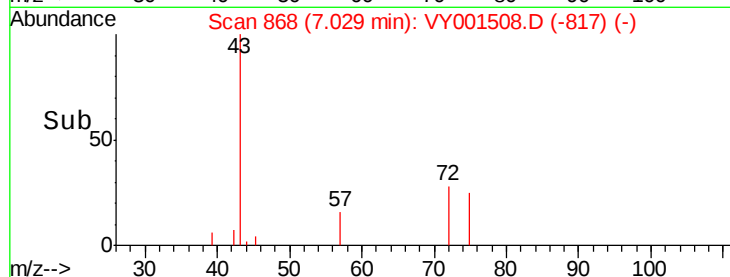
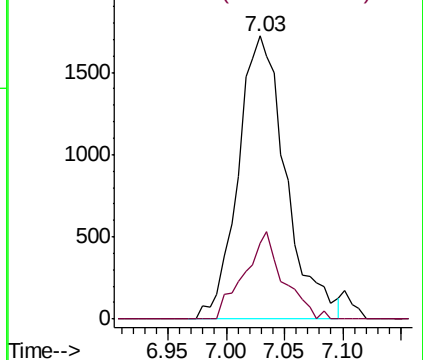
43 100

72 26.8 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.224 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY001508.D

Acq: 05 Feb 2020 15:42

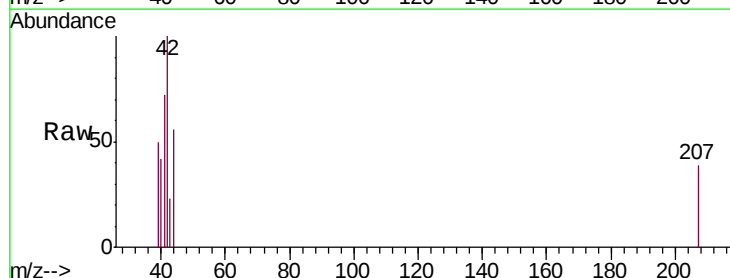
Tgt Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

72 26.0 37.8 56.6#

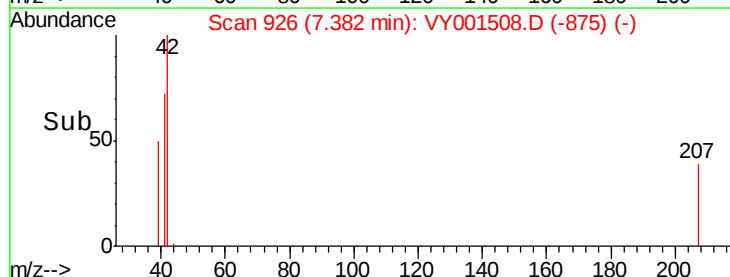
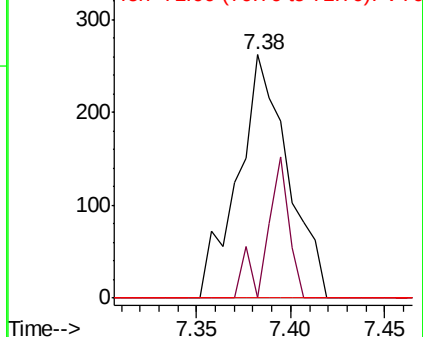
71 0.0 34.8 52.2#

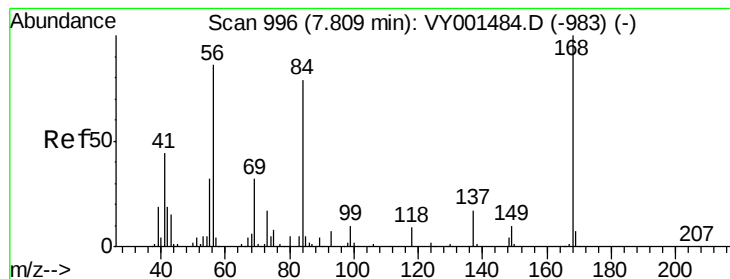


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001508.D

Acq: 05 Feb 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-07-1-2

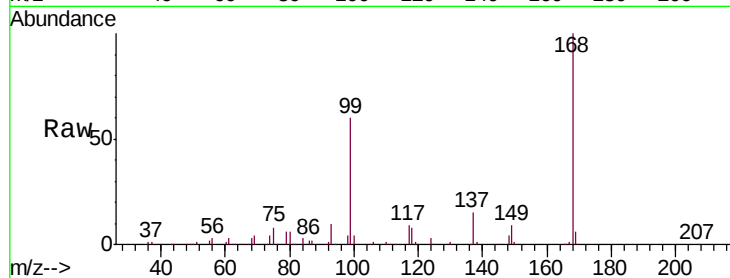
Tgt Ion: 56 Resp: 3884

Ion Ratio Lower Upper

56 100

69 157.2 29.6 44.4#

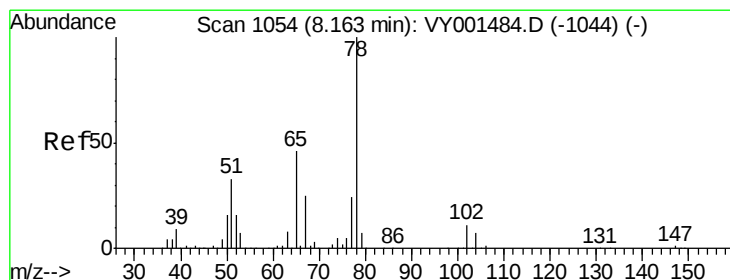
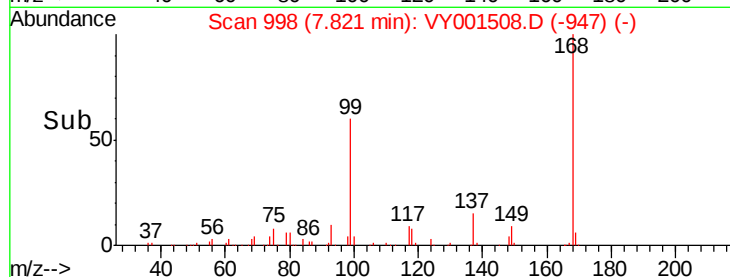
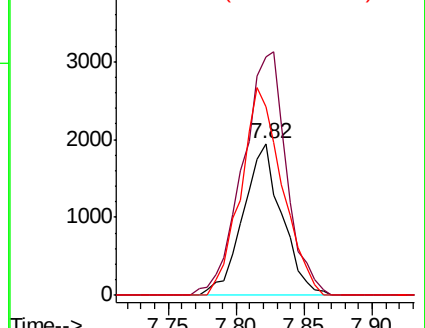
84 124.2 73.6 110.4#



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: 61.063 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001508.D

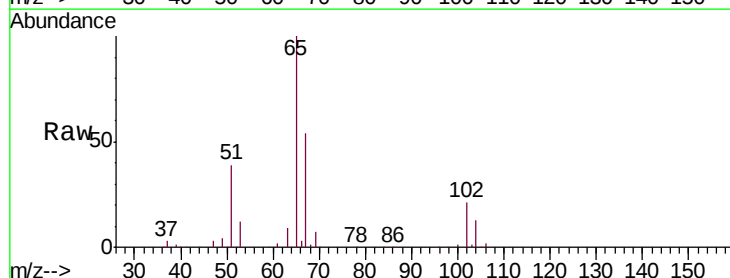
Acq: 05 Feb 2020 15:42

Tgt Ion: 65 Resp: 106642

Ion Ratio Lower Upper

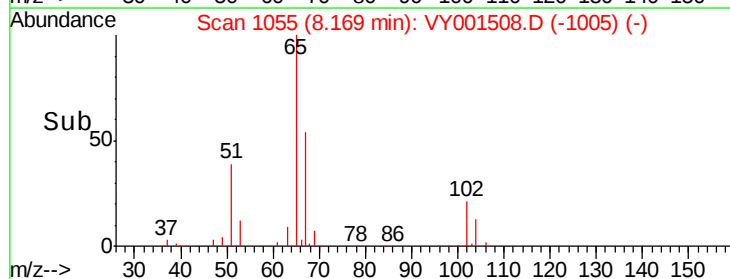
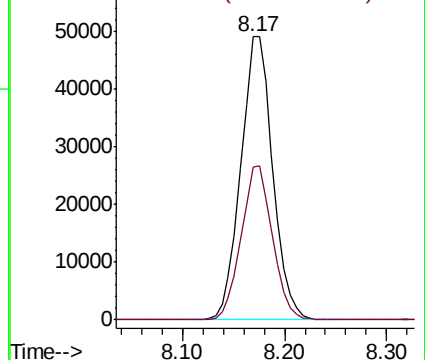
65 100

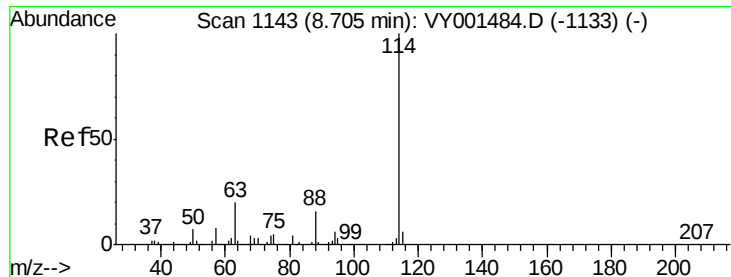
67 53.6 0.0 108.6



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: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001508.D

Acq: 05 Feb 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-07-1-2

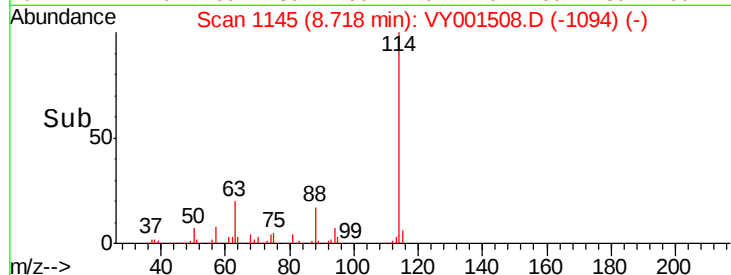
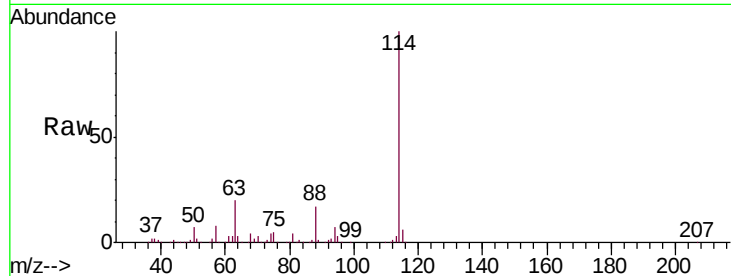
Tgt Ion:114 Resp: 325049

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

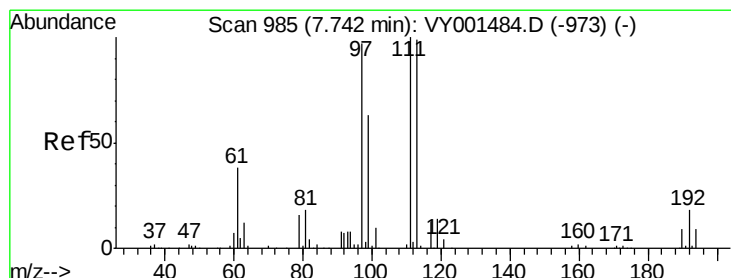
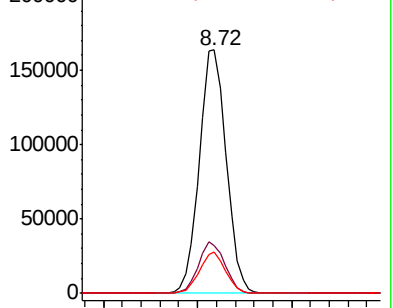
88 16.9 0.0 32.6



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: 52.827 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001508.D

Acq: 05 Feb 2020 15:42

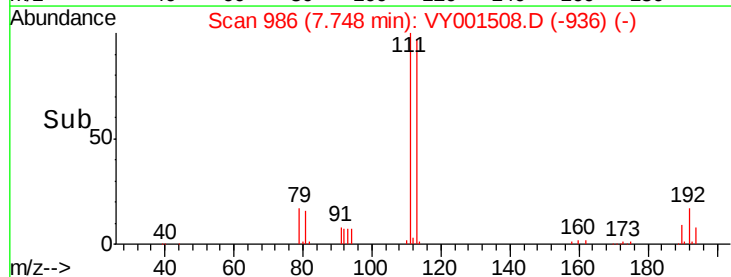
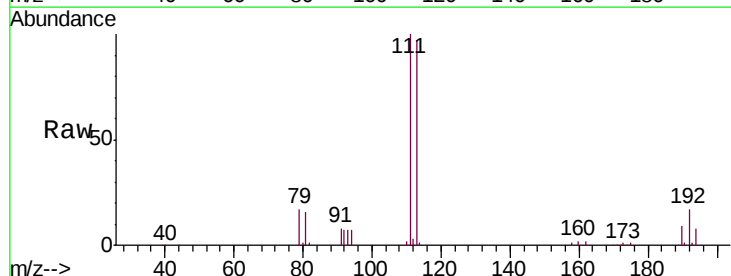
Tgt Ion:113 Resp: 99018

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

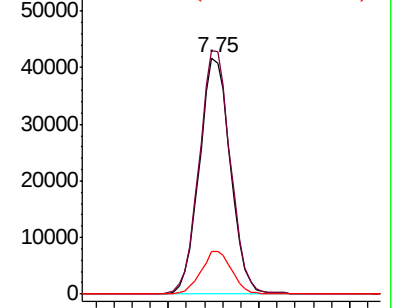
192 18.0 14.6 22.0

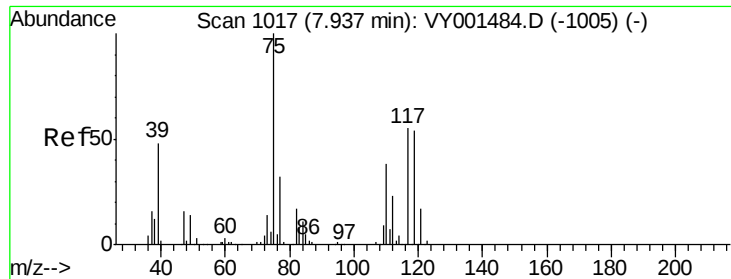


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

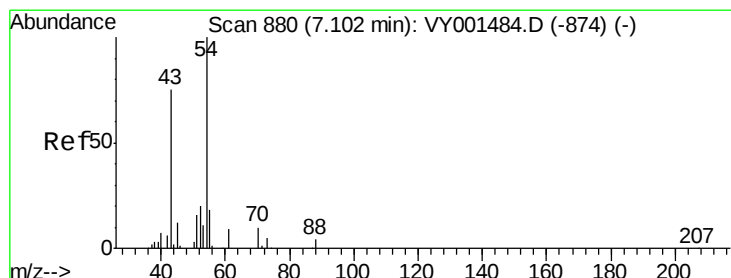
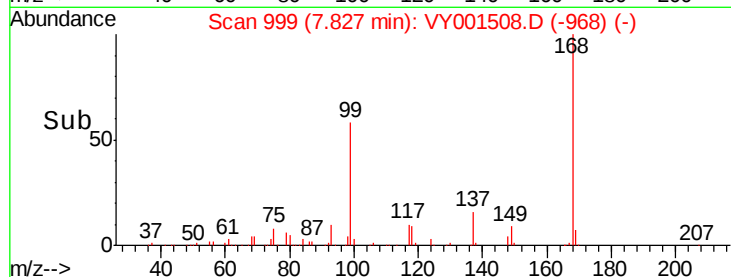
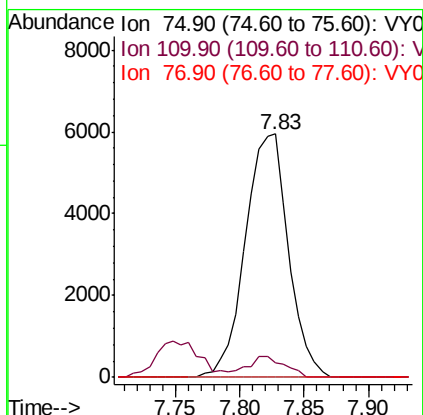
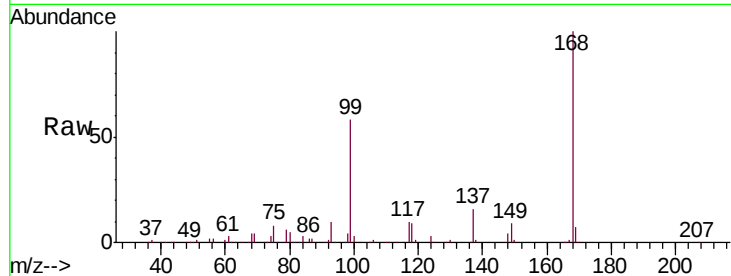




#36
 1,1-Dichloropropene
 Concen: 4.619 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.11 min
 Lab File: VY001508.D
 Acq: 05 Feb 2020 15:42

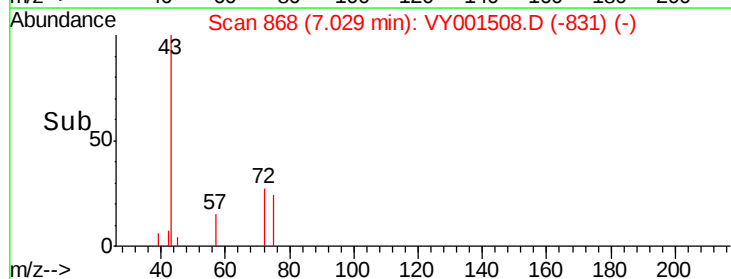
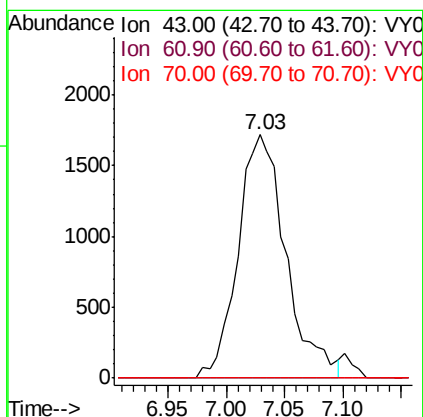
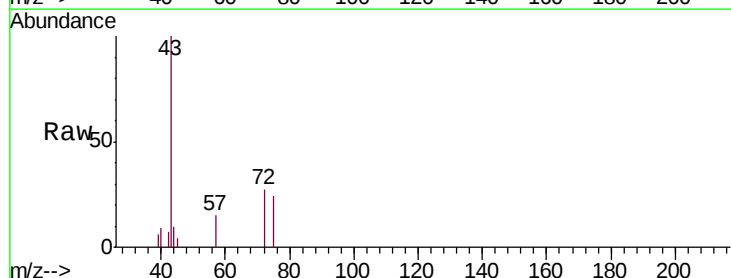
Instrument :
 MSVOA_Y
 ClientSampleId :
 HAM-SB-07-1-2

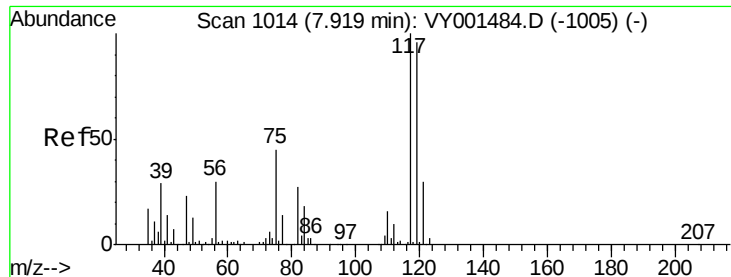
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.2	54.6#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 3.422 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. -0.07 min
 Lab File: VY001508.D
 Acq: 05 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	0.0	10.2	15.4#

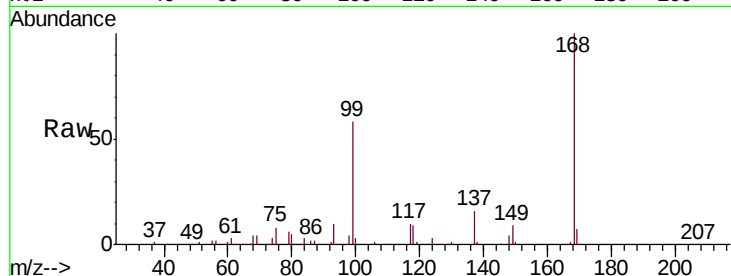




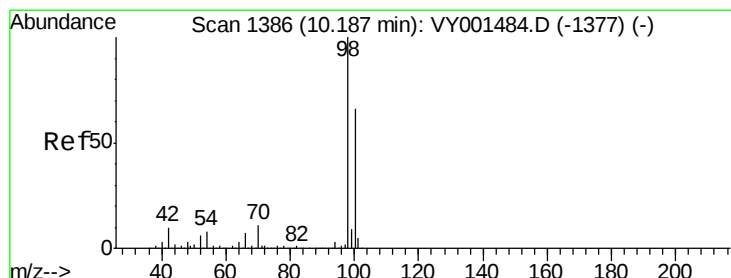
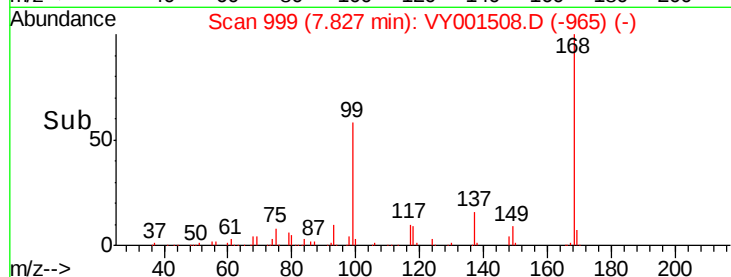
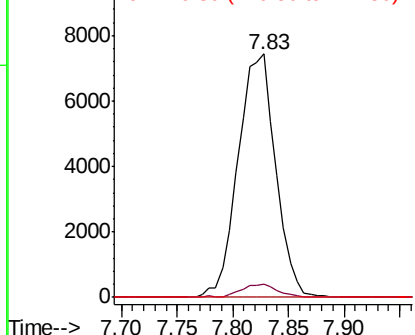
#38
Carbon Tetrachloride
Concen: 6.061 ug/l
RT: 7.83 min Scan# 999
Delta R.T. -0.09 min
Lab File: VY001508.D
Acq: 05 Feb 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-07-1-2

Tgt Ion: 117 Resp: 17438
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 24.2 36.4#

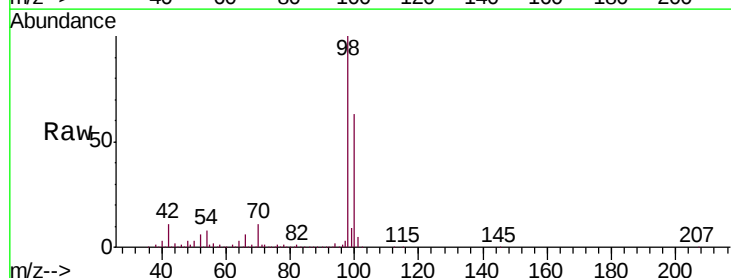


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#50
Toluene-d8
Concen: 54.412 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001508.D
Acq: 05 Feb 2020 15:42

Tgt Ion: 98 Resp: 385867
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



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

