

Data File : VY001514.D
Acq On : 05 Feb 2020 17:56
Operator : SY/MD
Sample : L1393-07
Misc : 6.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-01-2-3

Quant Time: Feb 06 07:01:11 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	161933	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	301752	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	250303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	80970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	99873	61.26	ug/l	0.01
Spiked Amount	50.000		Recovery	=	122.52%	
35) Dibromofluoromethane	7.75	113	90971	52.28	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.19	98	357493	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
62) 4-Bromofluorobenzene	12.49	95	106489	41.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.12%	

Target Compounds

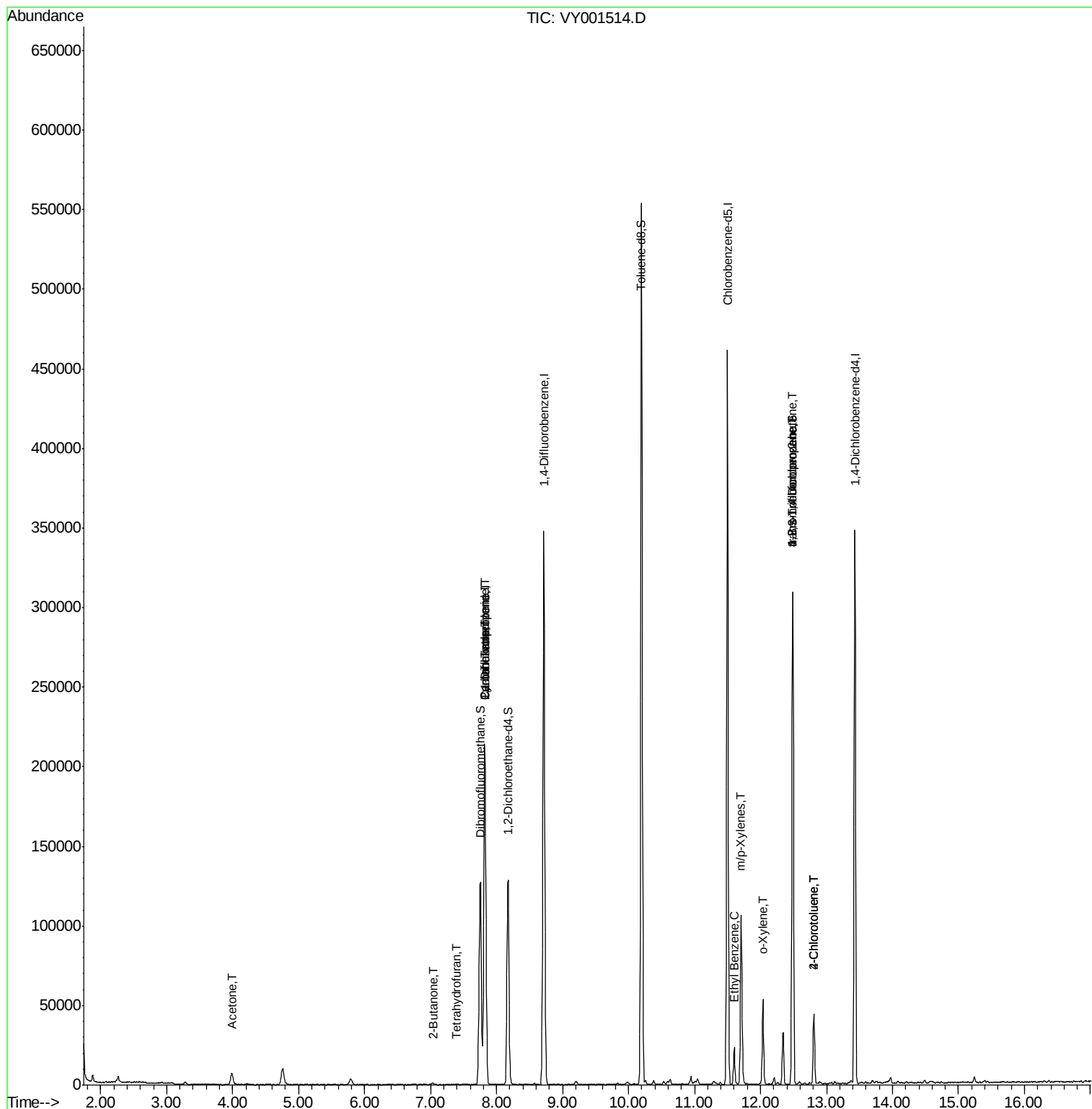
						Qvalue
11) Tert butyl alcohol	4.99	59	68	Below Cal	#	76
16) Acetone	3.99	43	12586	26.687	ug/l	93
20) Methylene Chloride	4.76	84	7492	Below Cal	#	94
25) 2-Butanone	7.04	43	1055	1.724	ug/l #	87
29) Tetrahydrofuran	7.38	42	504	1.374	ug/l #	53
31) Cyclohexane	7.82	56	3534	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13340	4.833	ug/l #	49
38) Carbon Tetrachloride	7.82	117	16647	6.233	ug/l #	15
67) Ethyl Benzene	11.60	91	15591	1.716	ug/l	99
68) m/p-Xylenes	11.71	106	31487	9.230	ug/l	99
69) o-Xylene	12.03	106	13556	4.215	ug/l	95
76) 1,2,3-Trichloropropane	12.49	75	54312	62.374	ug/l #	100
79) 2-Chlorotoluene	12.81	91	7390	1.754	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.49	75	54312	120.690	ug/l #	16
82) 4-Chlorotoluene	12.81	91	7390	1.673	ug/l #	42

(#) = 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: VY001514.D

Acq: 05 Feb 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

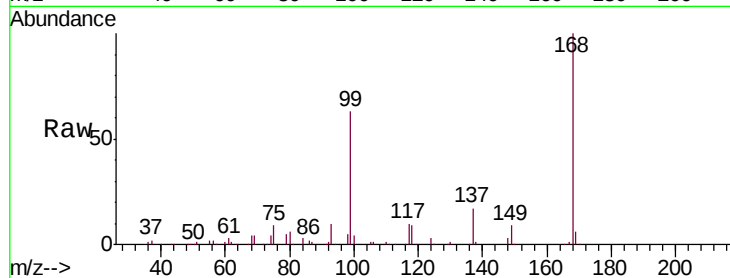
HAM-SB-01-2-3

Tgt Ion:168 Resp: 161933

Ion Ratio Lower Upper

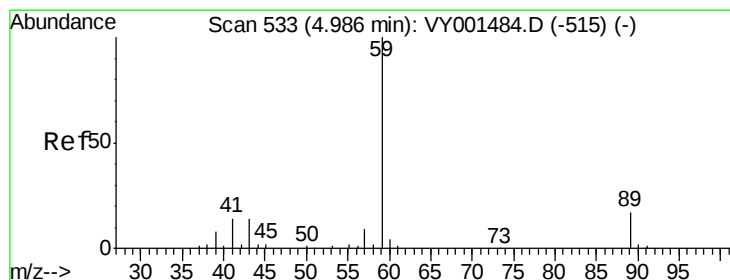
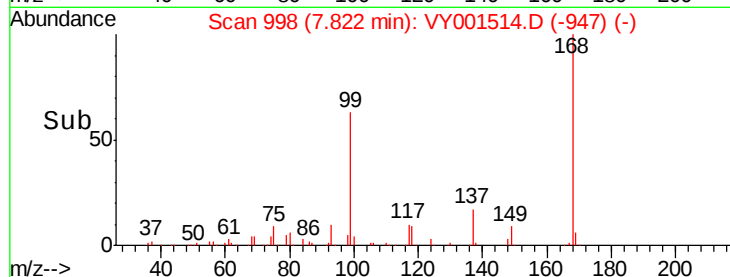
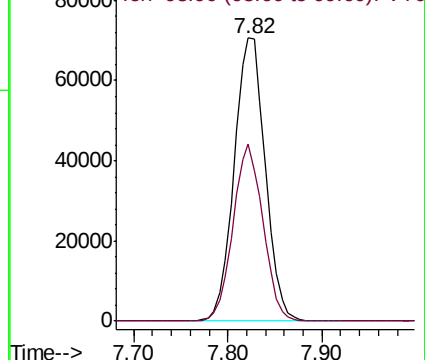
168 100

99 62.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001514.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001514.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.00 min

Lab File: VY001514.D

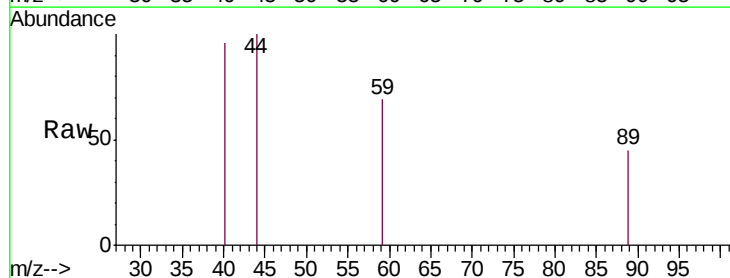
Acq: 05 Feb 2020 17:56

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

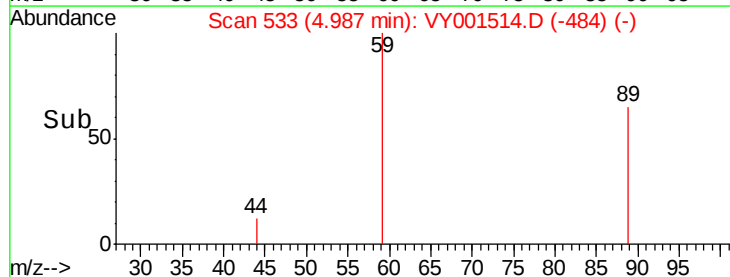
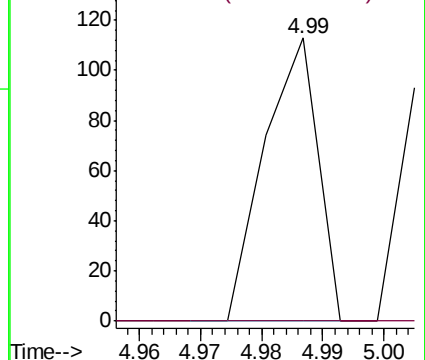
59 100

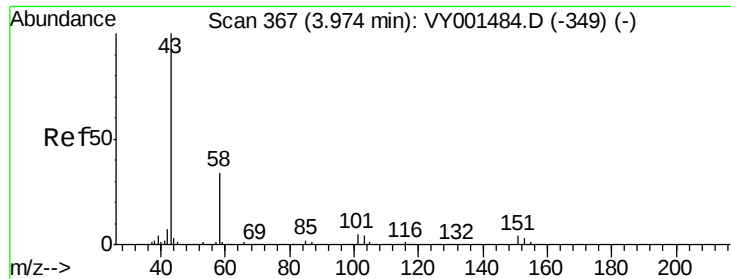
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001514.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001514.D (-484) (-)





#16

Acetone

Concen: 26.687 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001514.D

Acq: 05 Feb 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

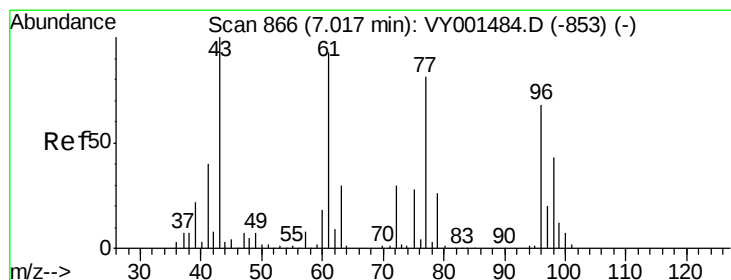
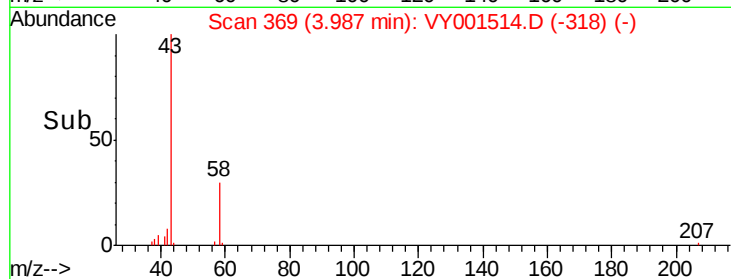
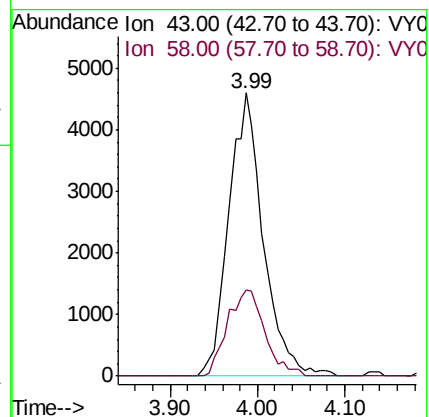
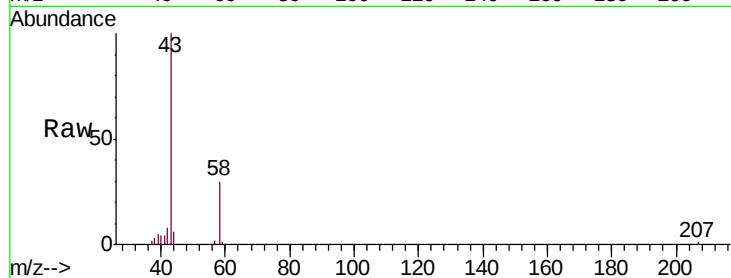
HAM-SB-01-2-3

Tgt Ion: 43 Resp: 12586

Ion Ratio Lower Upper

43 100

58 30.5 27.5 41.3



#25

2-Butanone

Concen: 1.724 ug/l

RT: 7.04 min Scan# 870

Delta R.T. 0.02 min

Lab File: VY001514.D

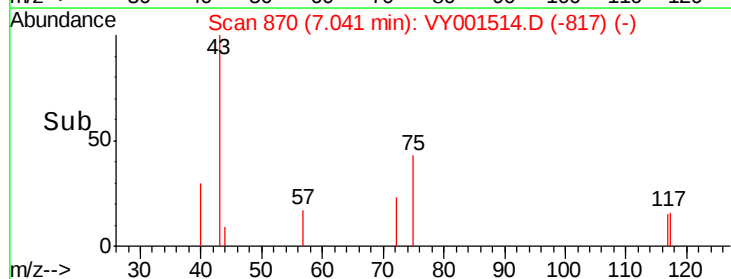
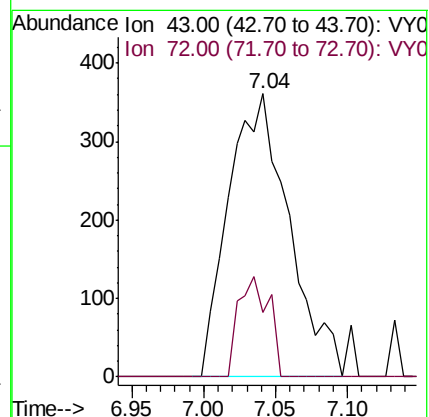
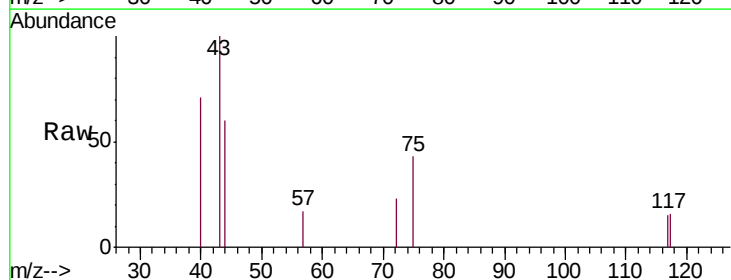
Acq: 05 Feb 2020 17:56

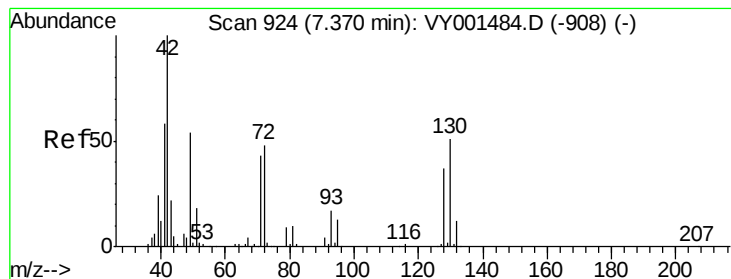
Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

72 22.7 23.8 35.8#





#29

Tetrahydrofuran

Concen: 1.374 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY001514.D

Acq: 05 Feb 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-01-2-3

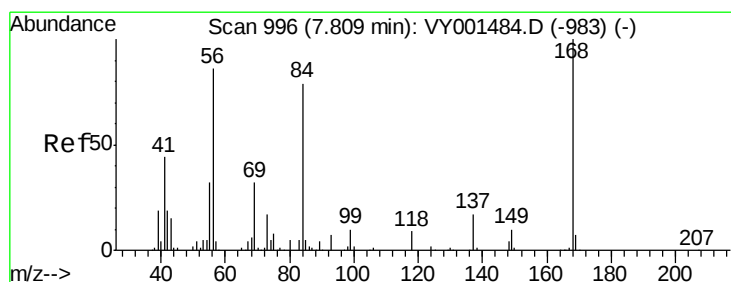
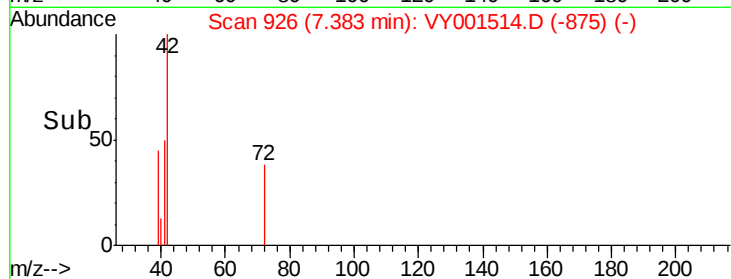
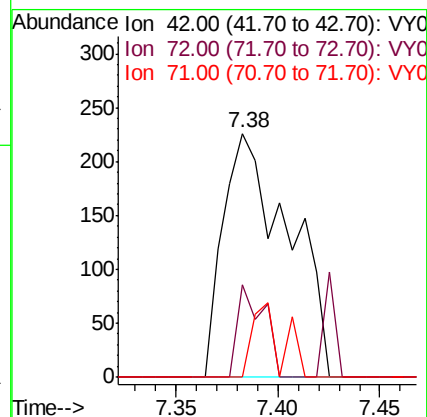
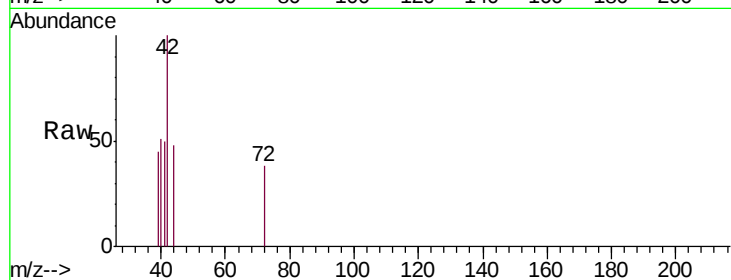
Tgt Ion: 42 Resp: 504

Ion Ratio Lower Upper

42 100

72 15.1 37.8 56.6#

71 13.3 34.8 52.2#



#31

Cyclohexane

Concen: 1.113 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001514.D

Acq: 05 Feb 2020 17:56

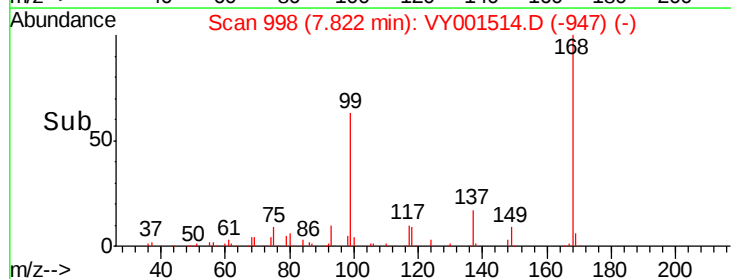
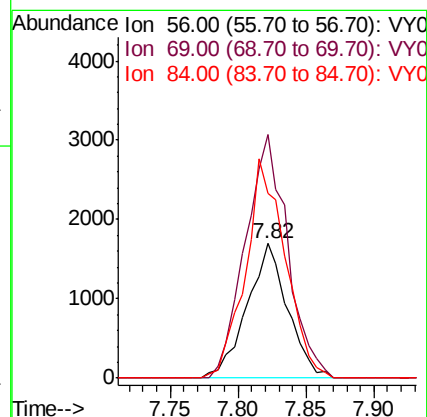
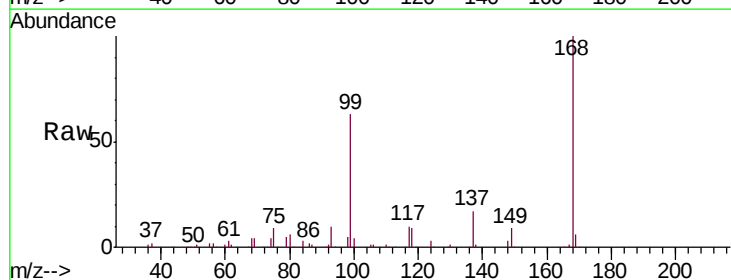
Tgt Ion: 56 Resp: 3534

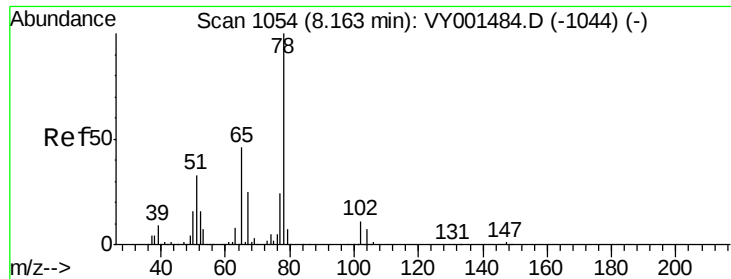
Ion Ratio Lower Upper

56 100

69 181.4 29.6 44.4#

84 137.8 73.6 110.4#

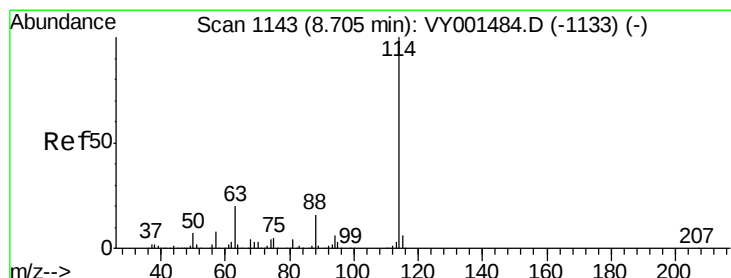
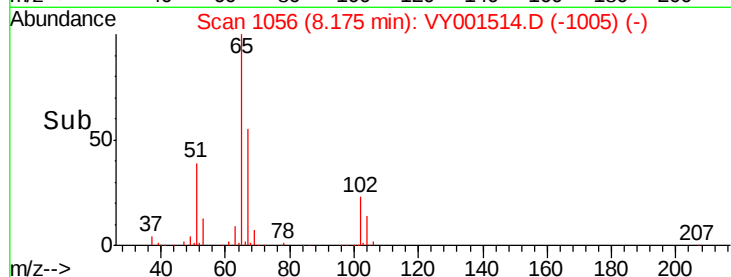
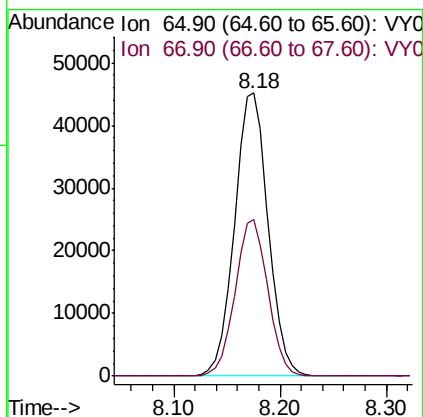
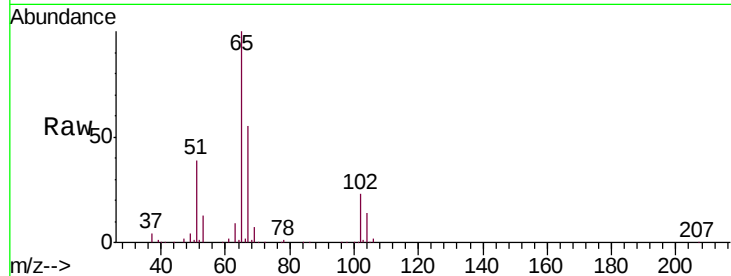




#33
 1,2-Dichloroethane-d4
 Concen: 61.256 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001514.D
 Acq: 05 Feb 2020 17:56

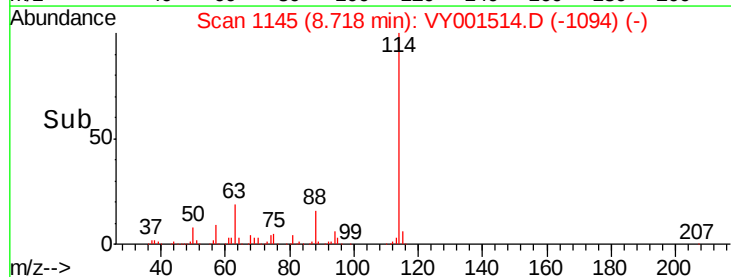
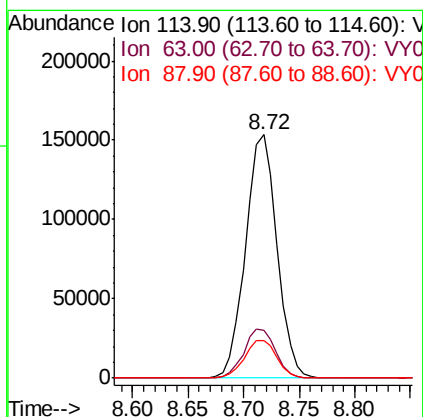
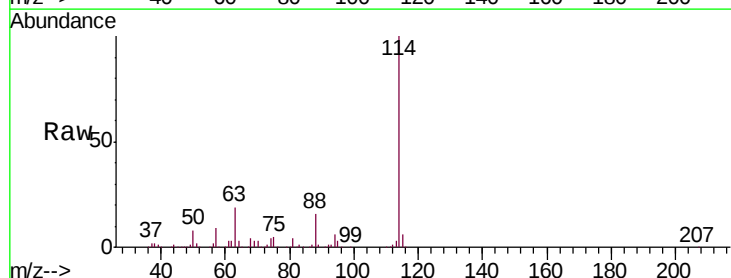
Instrument :
 MSVOA_Y
 ClientSampleId :
 HAM-SB-01-2-3

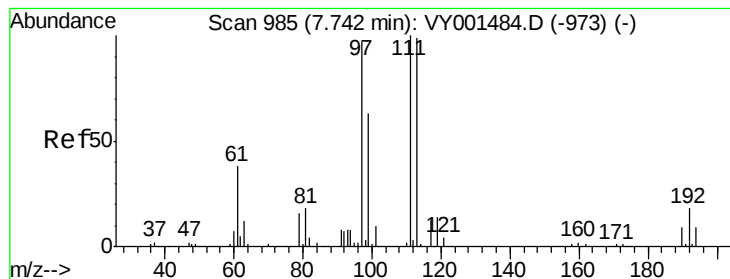
Tgt Ion: 65 Resp: 99873
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001514.D
 Acq: 05 Feb 2020 17:56

Tgt Ion: 114 Resp: 301752
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.281 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001514.D

Acq: 05 Feb 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-01-2-3

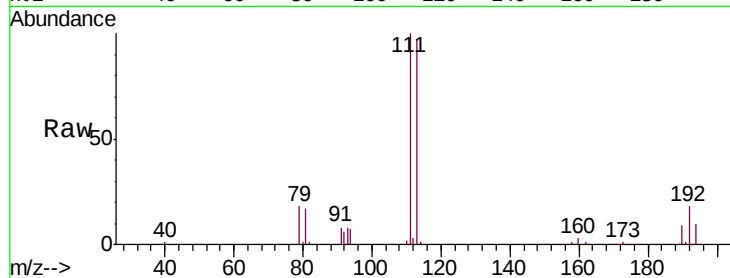
Tgt Ion:113 Resp: 90971

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

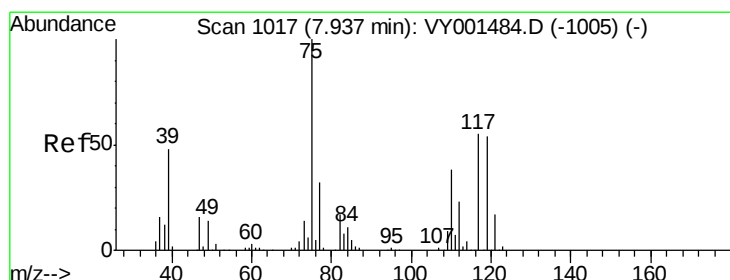
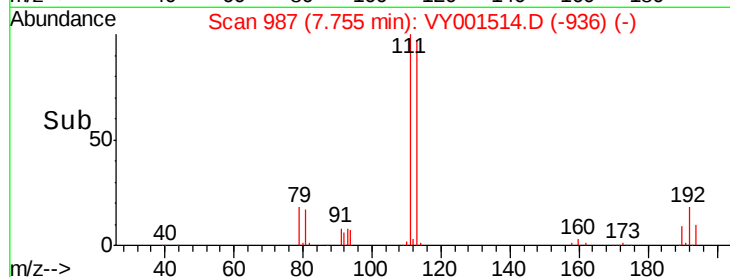
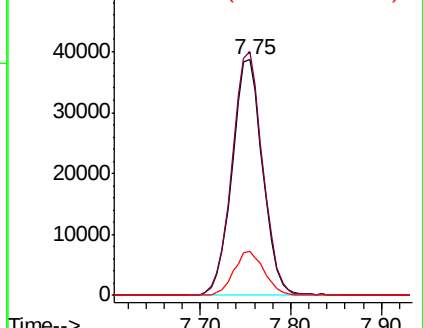
192 18.5 14.6 22.0



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: 4.833 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001514.D

Acq: 05 Feb 2020 17:56

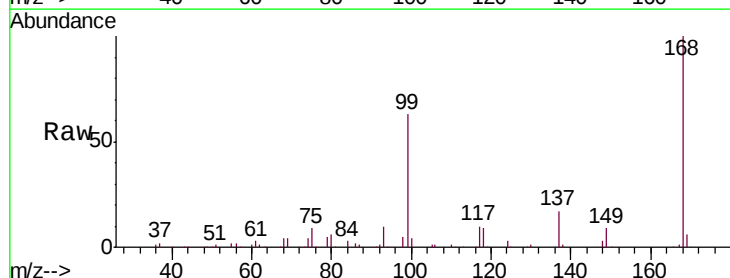
Tgt Ion: 75 Resp: 13340

Ion Ratio Lower Upper

75 100

110 8.6 18.2 54.6#

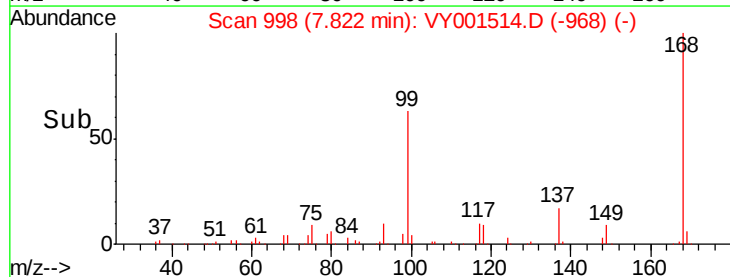
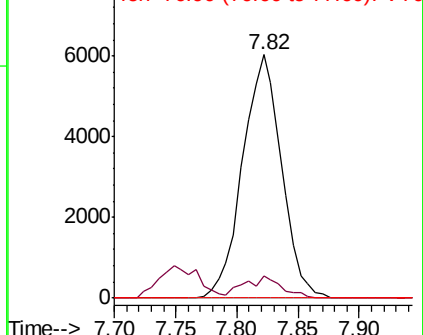
77 0.0 25.0 37.4#

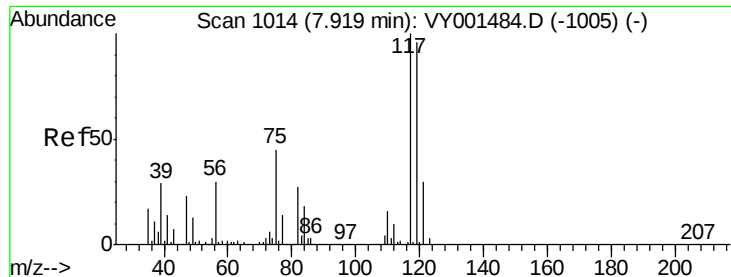


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.233 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001514.D

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MSVOA_Y

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HAM-SB-01-2-3

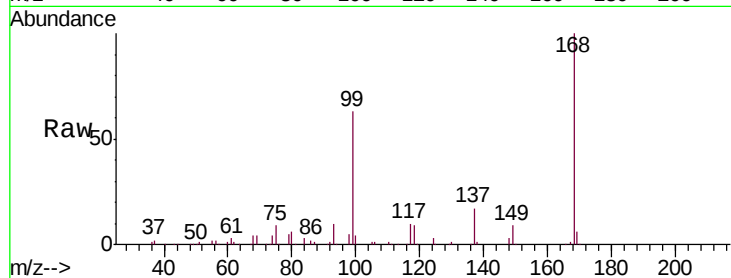
Tgt Ion:117 Resp: 16647

Ion Ratio Lower Upper

117 100

119 4.1 76.4 114.6#

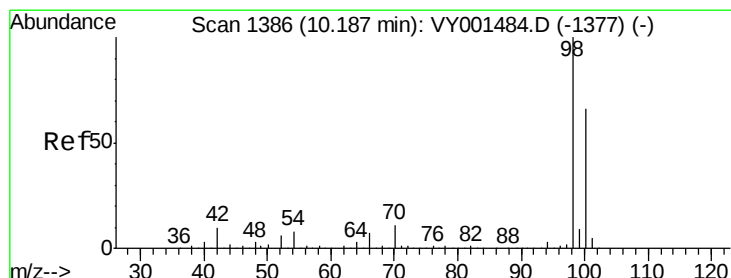
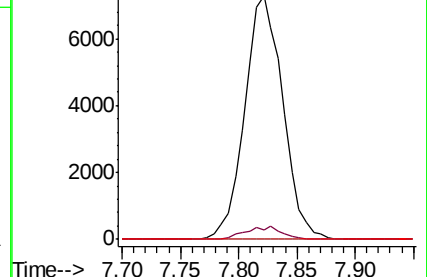
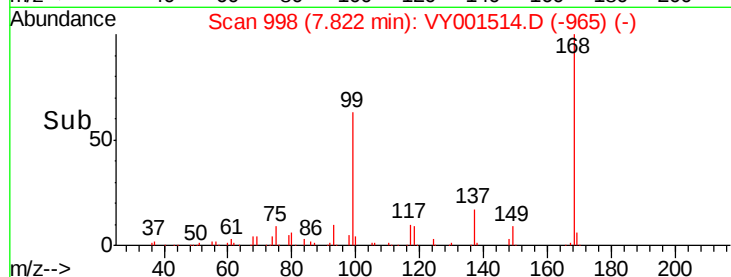
121 0.0 24.2 36.4#



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: 54.303 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001514.D

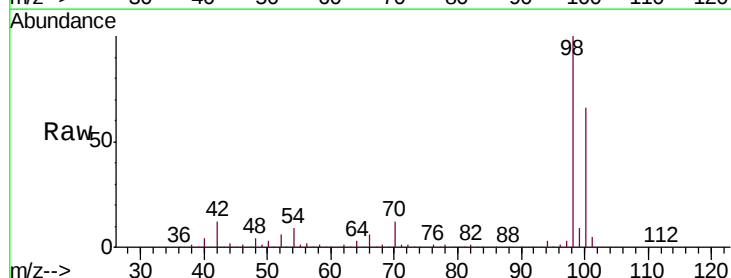
Acq: 05 Feb 2020 17:56

Tgt Ion: 98 Resp: 357493

Ion Ratio Lower Upper

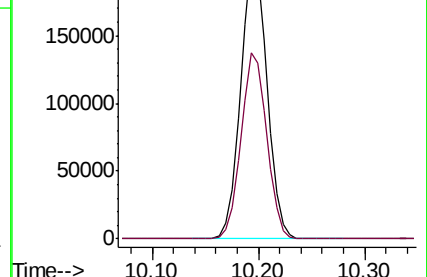
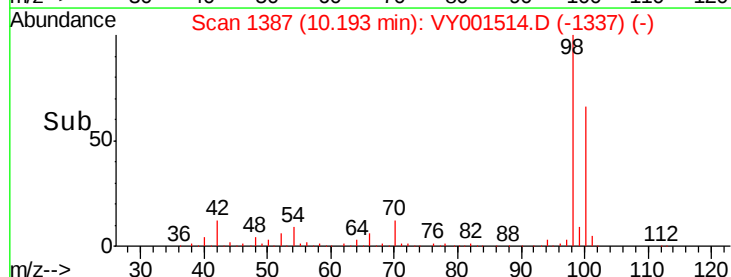
98 100

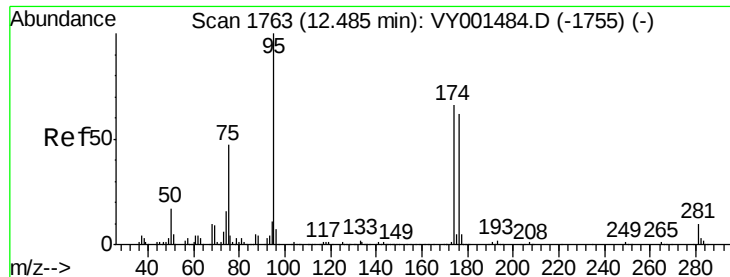
100 65.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

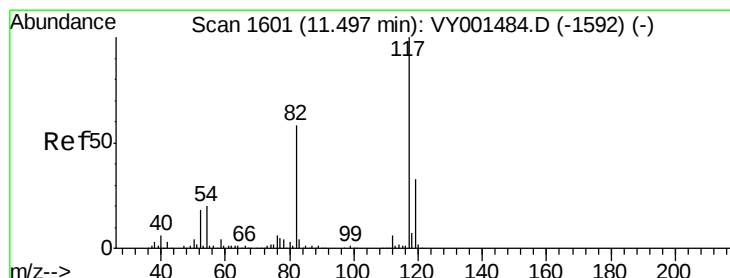
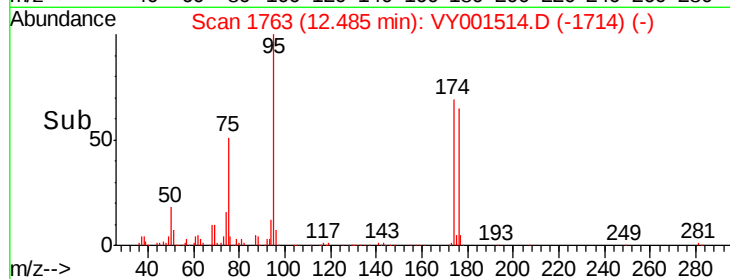
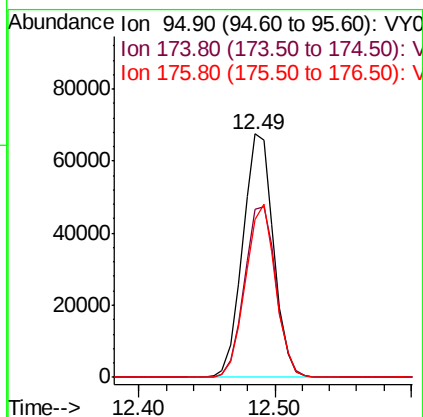
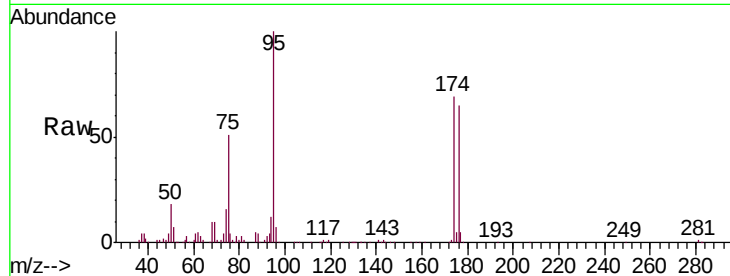




#62
4-Bromofluorobenzene
Concen: 41.060 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY001514.D
Acq: 05 Feb 2020 17:56

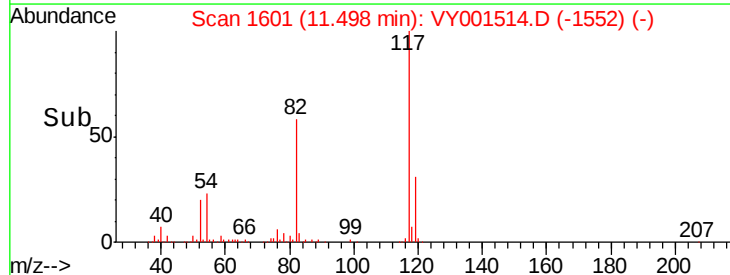
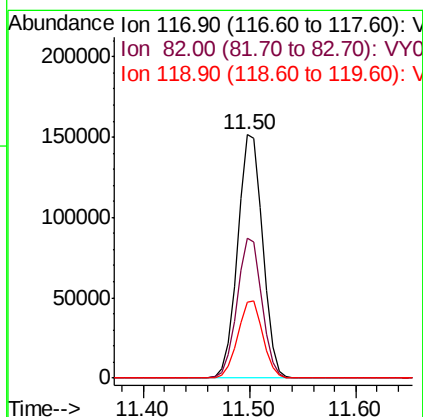
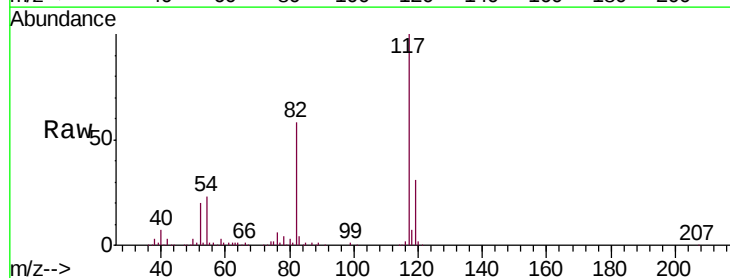
Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-01-2-3

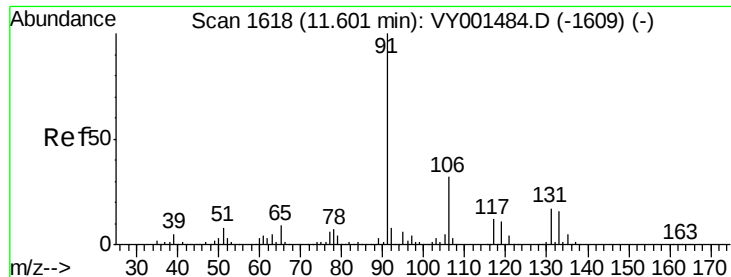
Tgt Ion: 95 Resp: 106489
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.4
176 69.8 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001514.D
Acq: 05 Feb 2020 17:56

Tgt Ion: 117 Resp: 250303
Ion Ratio Lower Upper
117 100
82 57.7 46.1 69.1
119 31.4 26.1 39.1

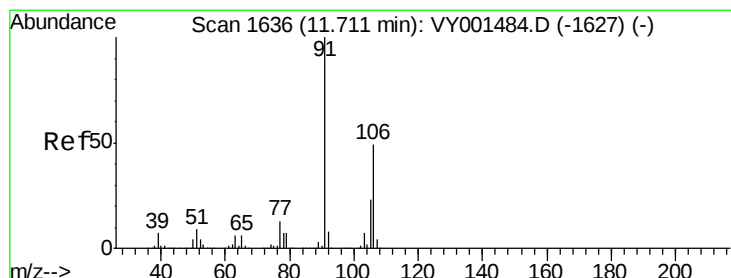
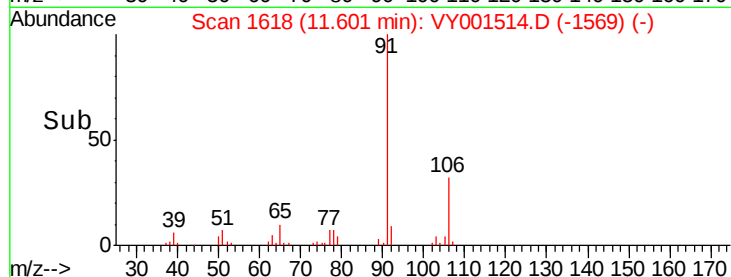
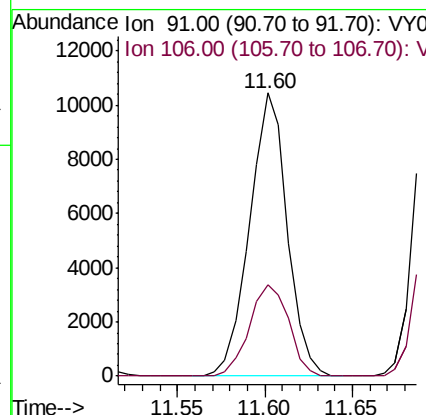
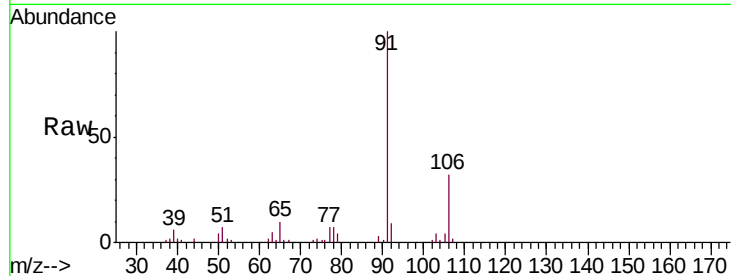




#67
Ethyl Benzene
Concen: 1.716 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001514.D
Acq: 05 Feb 2020 17:56

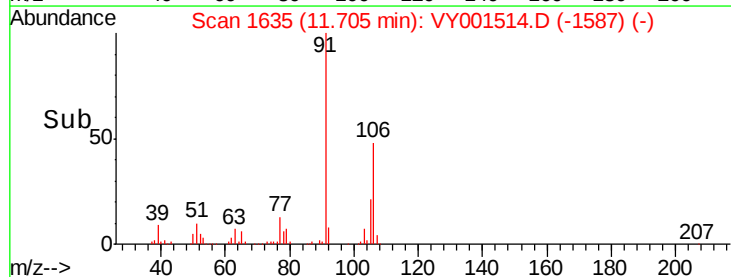
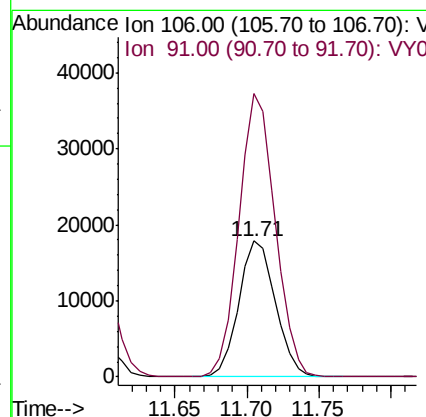
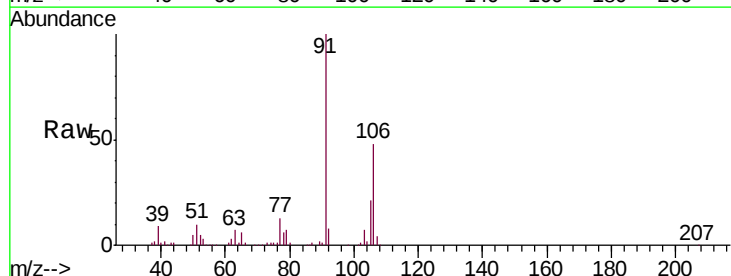
Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-01-2-3

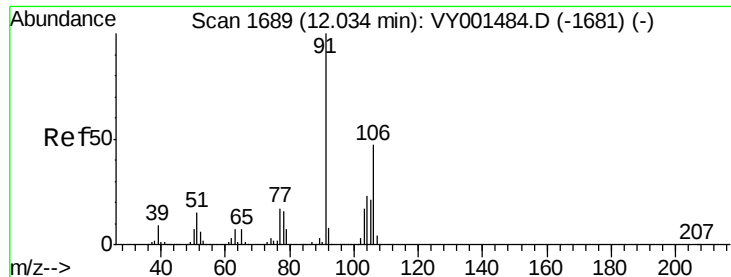
Tgt Ion: 91 Resp: 15591
Ion Ratio Lower Upper
91 100
106 32.2 25.3 37.9



#68
m/p-Xylenes
Concen: 9.230 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001514.D
Acq: 05 Feb 2020 17:56

Tgt Ion: 106 Resp: 31487
Ion Ratio Lower Upper
106 100
91 206.5 163.6 245.4

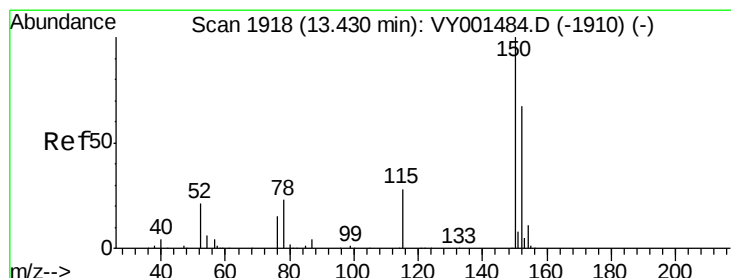
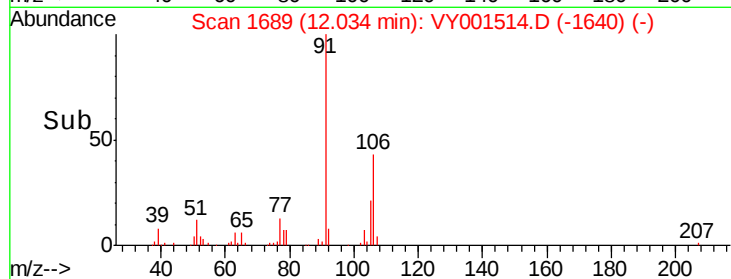
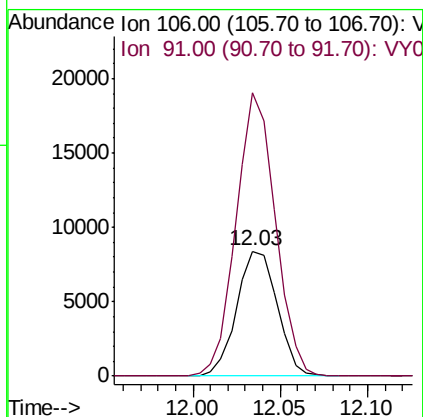
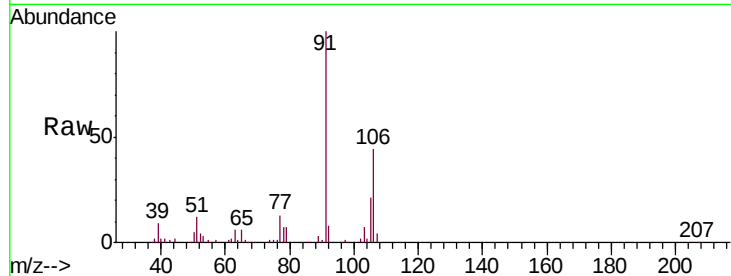




#69
o-Xylene
Concen: 4.215 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001514.D
Acq: 05 Feb 2020 17:56

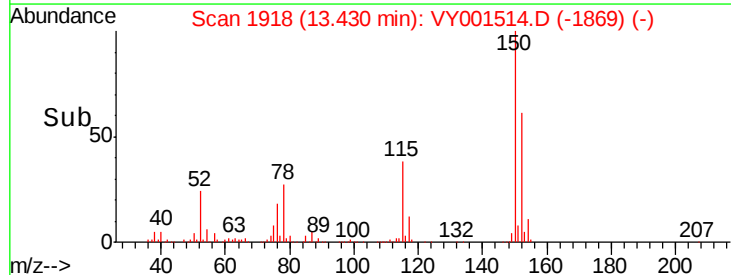
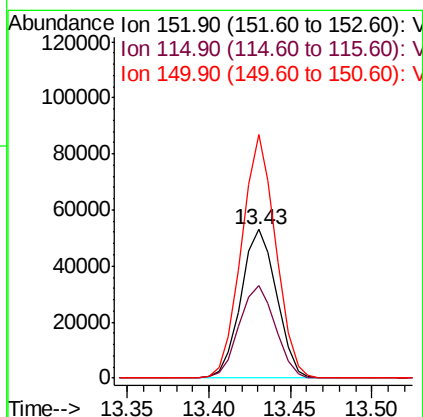
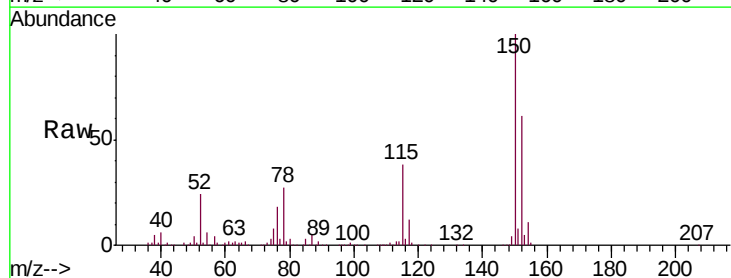
Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-01-2-3

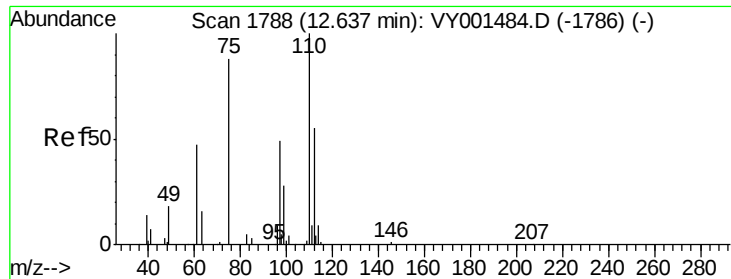
Tgt Ion:106 Resp: 13556
Ion Ratio Lower Upper
106 100
91 219.2 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001514.D
Acq: 05 Feb 2020 17:56

Tgt Ion:152 Resp: 80970
Ion Ratio Lower Upper
152 100
115 62.6 31.4 94.3
150 157.5 0.0 346.8



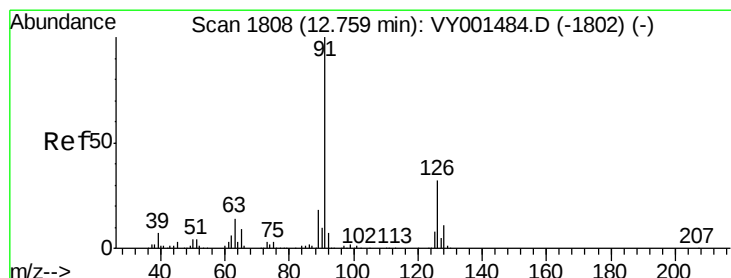
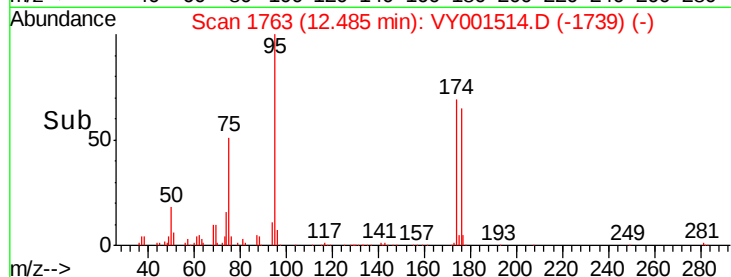
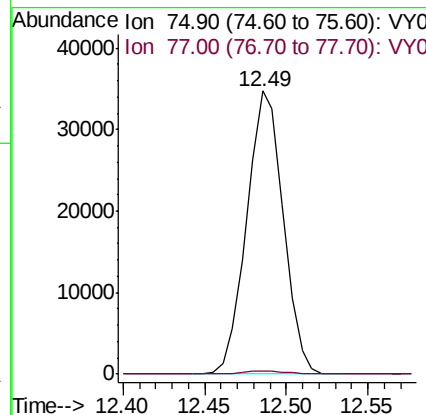
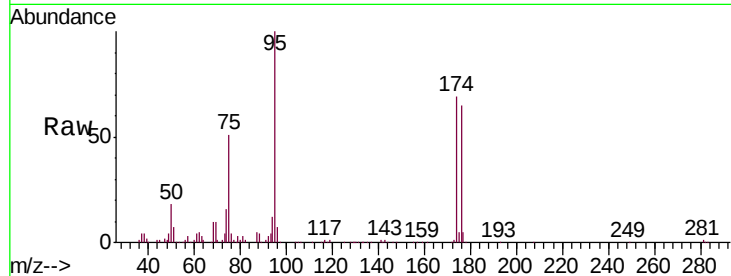


#76

1,2,3-Trichloropropane
Concen: 62.374 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY001514.D
Acq: 05 Feb 2020 17:56

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-01-2-3

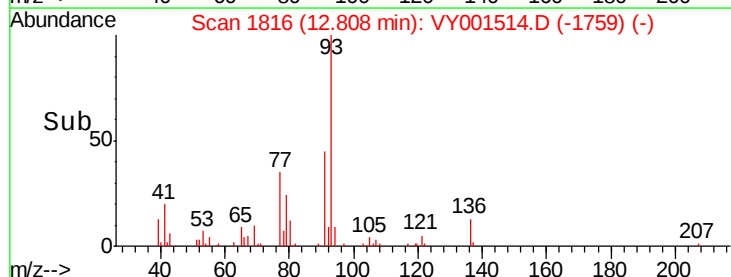
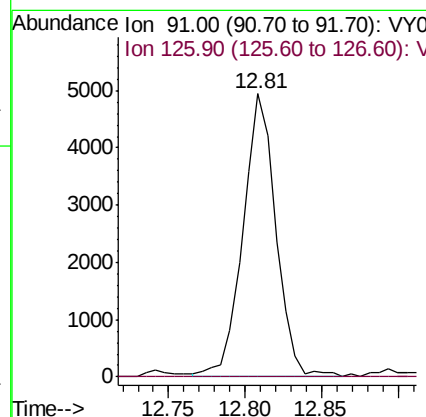
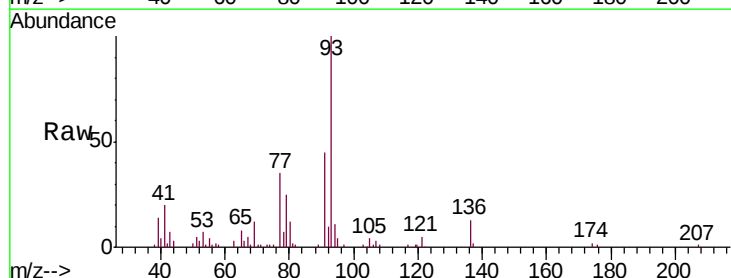
Tgt Ion: 75 Resp: 54312
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

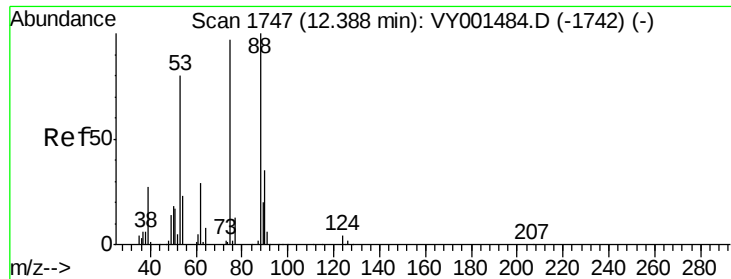


#79

2-Chlorotoluene
Concen: 1.754 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.05 min
Lab File: VY001514.D
Acq: 05 Feb 2020 17:56

Tgt Ion: 91 Resp: 7390
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 120.690 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001514.D

Acq: 05 Feb 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-01-2-3

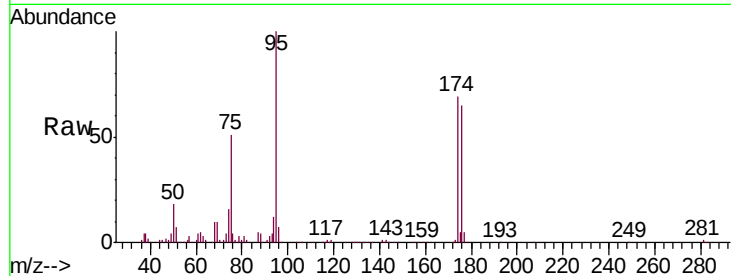
Tgt Ion: 75 Resp: 54312

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

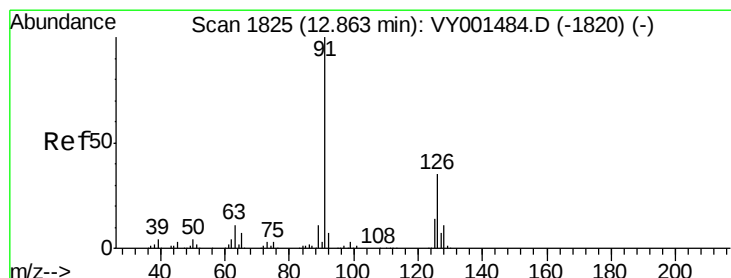
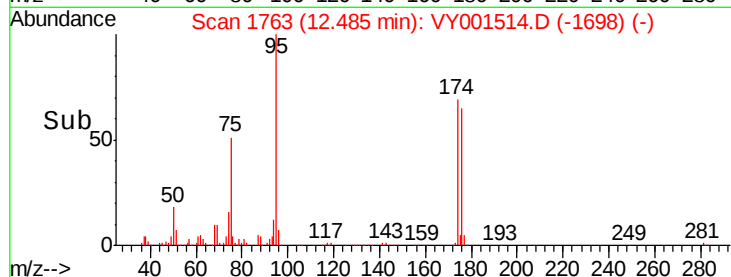
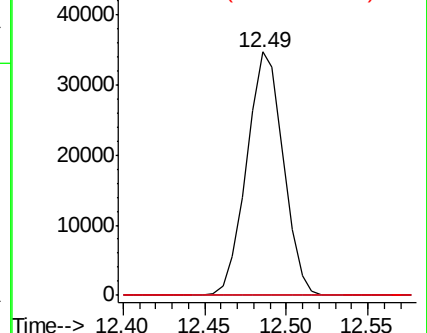
89 0.2 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 1.673 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.05 min

Lab File: VY001514.D

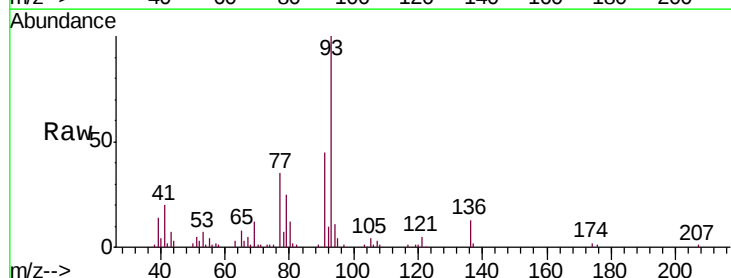
Acq: 05 Feb 2020 17:56

Tgt Ion: 91 Resp: 7390

Ion Ratio Lower Upper

91 100

126 0.0 16.5 49.5#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

