

Data File : VY001511.D
Acq On : 05 Feb 2020 16:49
Operator : SY/MD
Sample : L1393-04
Misc : 5.25G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-03-1-2

Quant Time: Feb 06 07:00:32 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	169238	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	319340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	281357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	104561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	109428	64.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.44%	
35) Dibromofluoromethane	7.75	113	94370	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.19	98	383070	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
62) 4-Bromofluorobenzene	12.49	95	129788	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

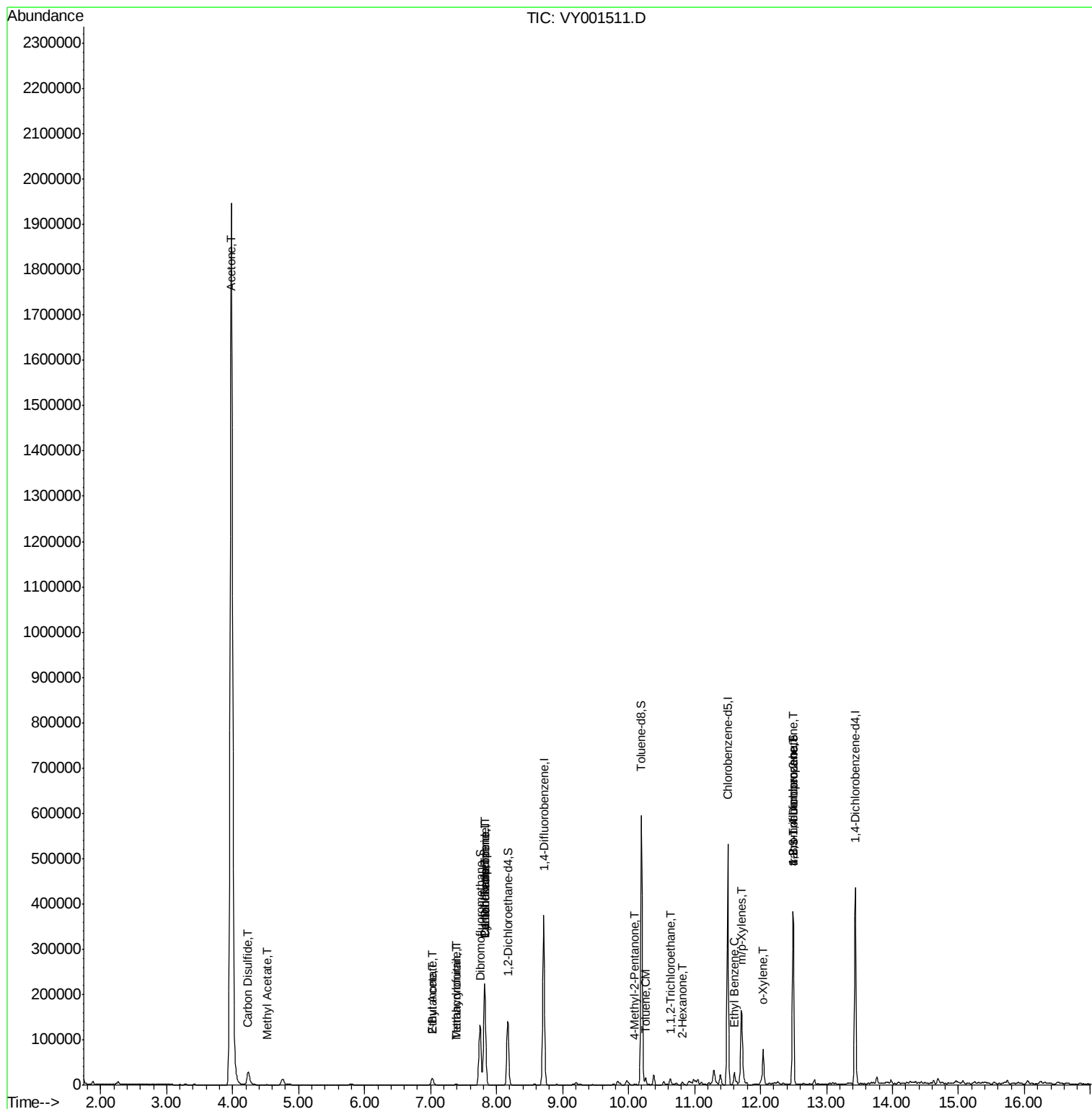
						Qvalue
11) Tert butyl alcohol	4.99	59	336	Below Cal	#	76
16) Acetone	3.98	43	3403760	6905.647	ug/l	96
17) Carbon Disulfide	4.23	76	20563	3.630	ug/l	100
18) Methyl Acetate	4.52	43	1119	1.064	ug/l #	63
25) 2-Butanone	7.03	43	25150	39.330	ug/l	93
29) Tetrahydrofuran	7.39	42	1039	2.711	ug/l #	83
31) Cyclohexane	7.82	56	3588	1.081	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14107	4.829	ug/l #	48
37) Ethyl Acetate	7.03	43	25150	17.784	ug/l #	66
38) Carbon Tetrachloride	7.82	117	17348	6.138	ug/l #	15
41) Methacrylonitrile	7.38	41	664	1.013	ug/l #	1
51) 4-Methyl-2-Pentanone	10.09	43	1644	1.192	ug/l	91
52) Toluene	10.26	92	6167	1.166	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	5137	3.169	ug/l #	22
59) 2-Hexanone	10.81	43	3246	3.238	ug/l #	22
67) Ethyl Benzene	11.61	91	18903	1.851	ug/l	94
68) m/p-Xylenes	11.71	106	42950	11.201	ug/l	99
69) o-Xylene	12.04	106	18115	5.010	ug/l	95
76) 1,2,3-Trichloropropane	12.49	75	65729	58.454	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	65729	113.106	ug/l #	16

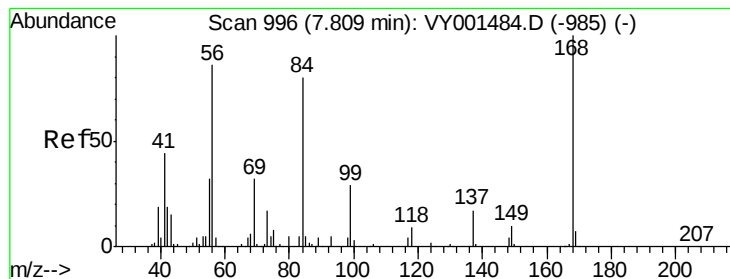
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001511.D

Acq: 05 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

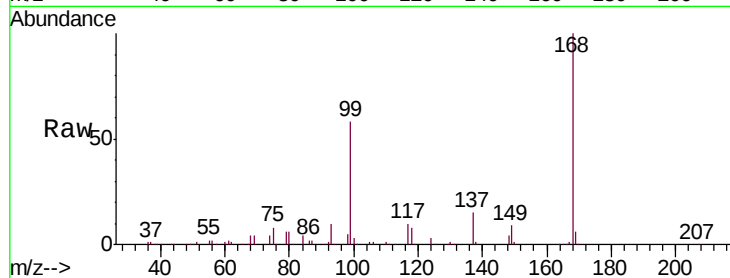
HAM-SB-03-1-2

Tgt Ion:168 Resp: 169238

Ion Ratio Lower Upper

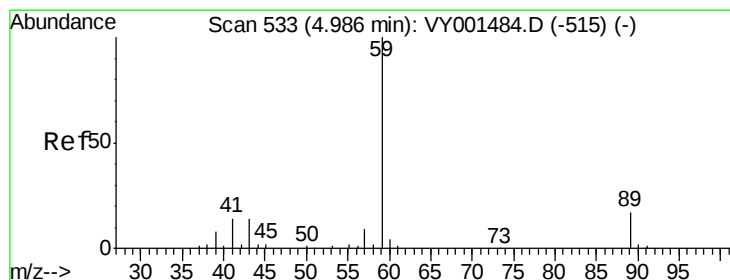
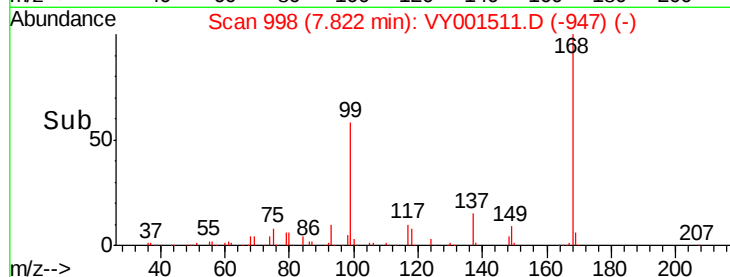
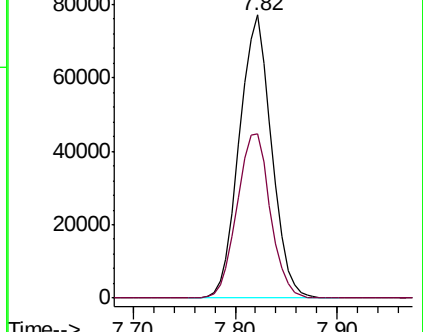
168 100

99 57.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001511.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001511.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.00 min

Lab File: VY001511.D

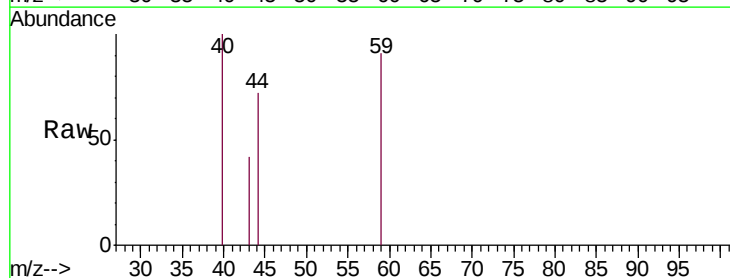
Acq: 05 Feb 2020 16:49

Tgt Ion: 59 Resp: 336

Ion Ratio Lower Upper

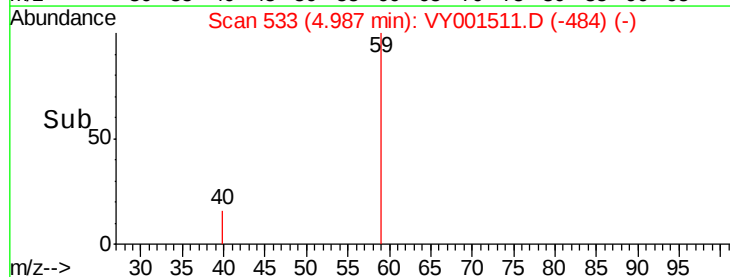
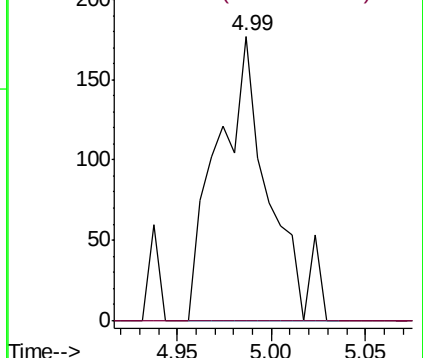
59 100

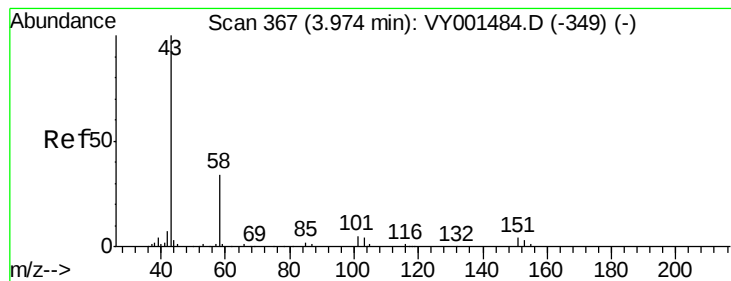
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001511.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001511.D (-484) (-)





#16

Acetone

Concen: 6905.647 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

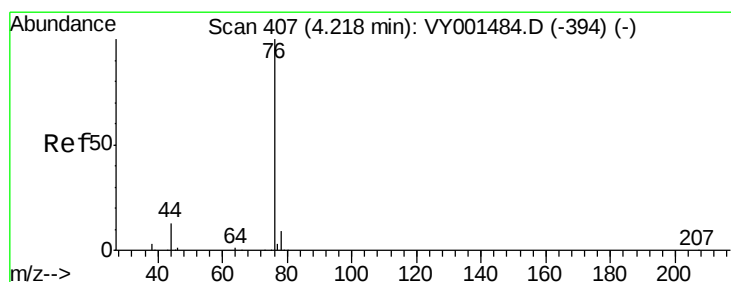
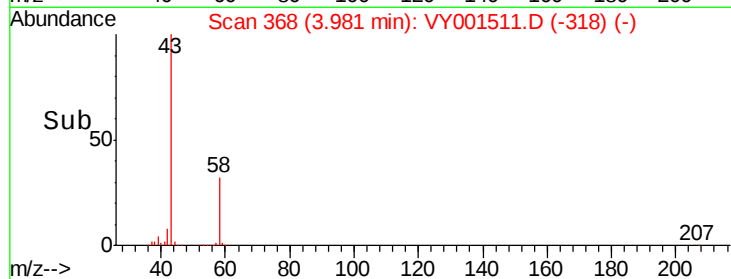
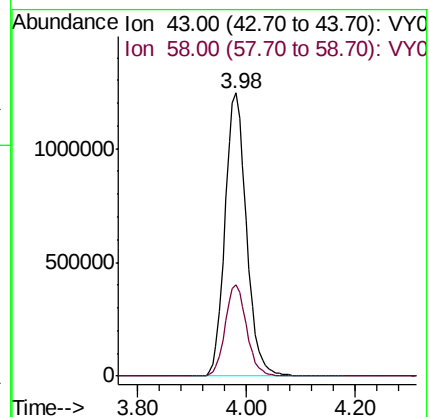
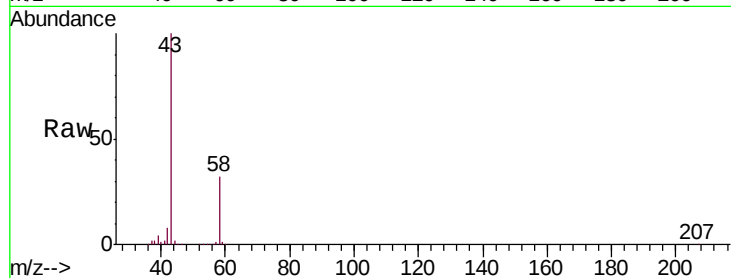
HAM-SB-03-1-2

Tgt Ion: 43 Resp: 3403760

Ion Ratio Lower Upper

43 100

58 32.3 27.5 41.3



#17

Carbon Disulfide

Concen: 3.630 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY001511.D

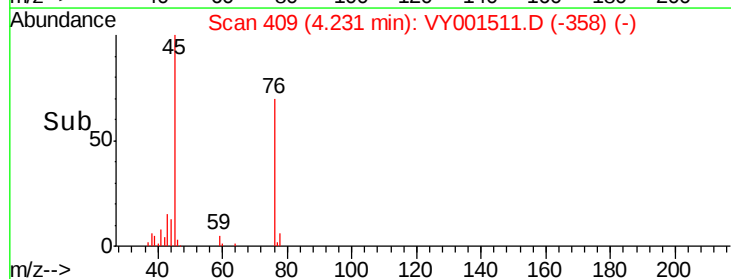
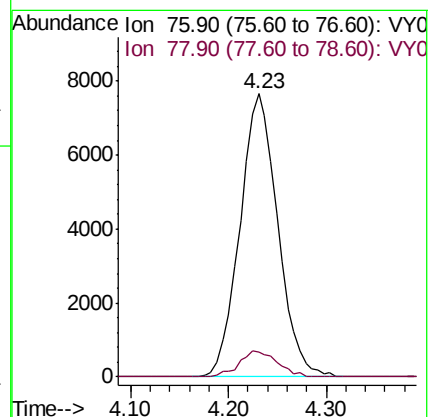
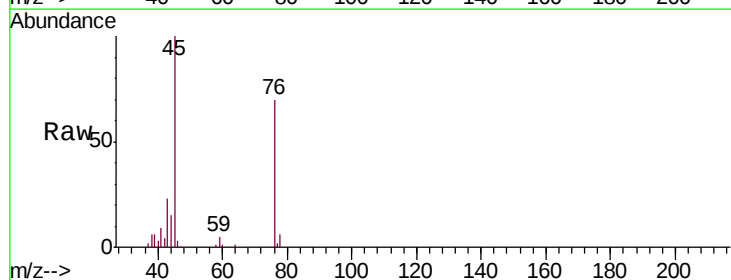
Acq: 05 Feb 2020 16:49

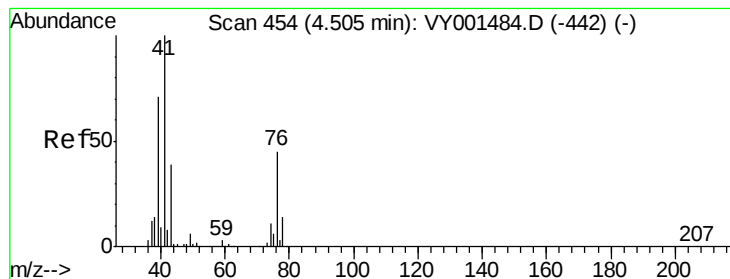
Tgt Ion: 76 Resp: 20563

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6





#18

Methyl Acetate

Concen: 1.064 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

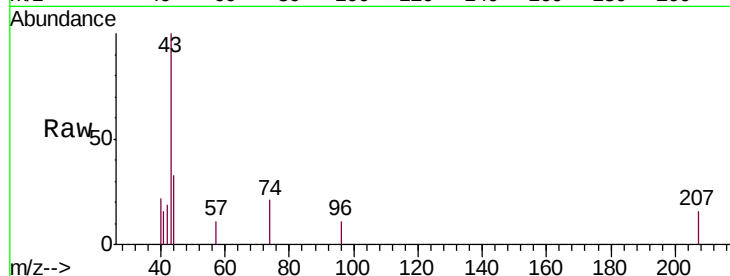
HAM-SB-03-1-2

Tgt Ion: 43 Resp: 1119

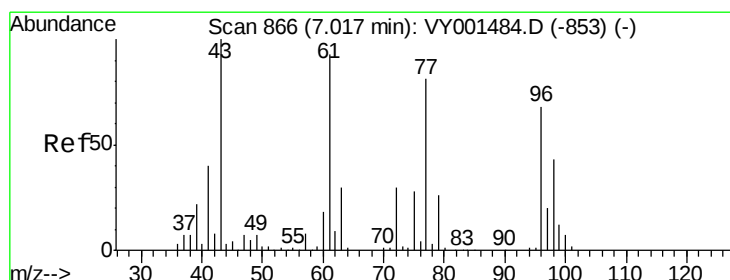
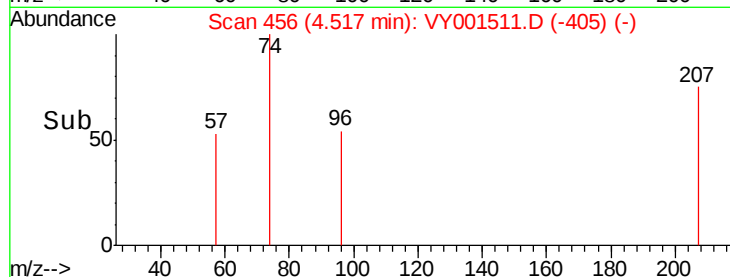
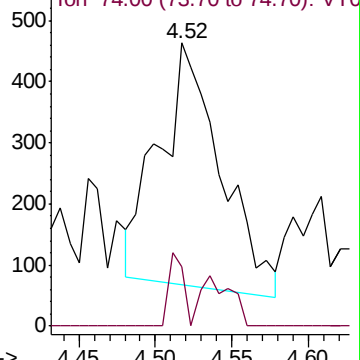
Ion Ratio Lower Upper

43 100

74 7.1 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VY001511.D (-405) (-)



#25

2-Butanone

Concen: 39.330 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001511.D

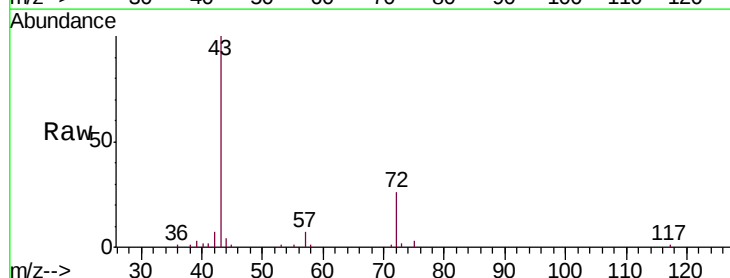
Acq: 05 Feb 2020 16:49

Tgt Ion: 43 Resp: 25150

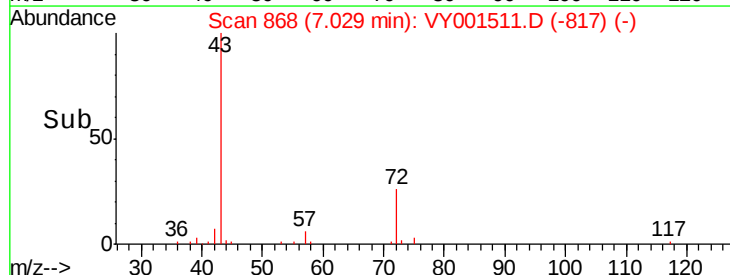
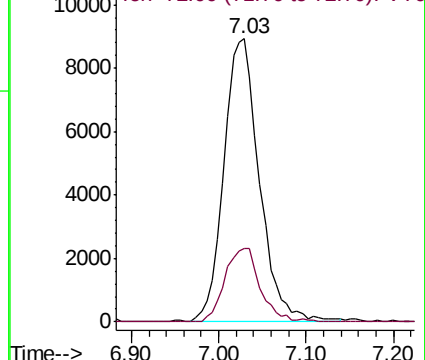
Ion Ratio Lower Upper

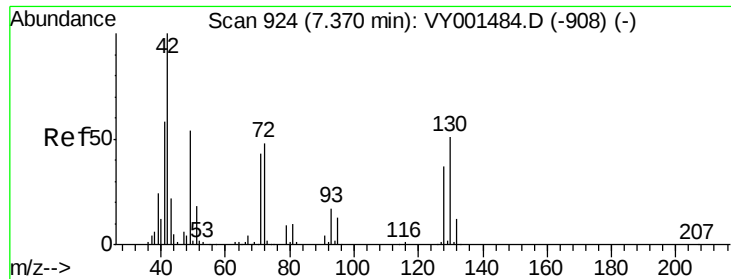
43 100

72 26.0 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY001511.D (-817) (-)

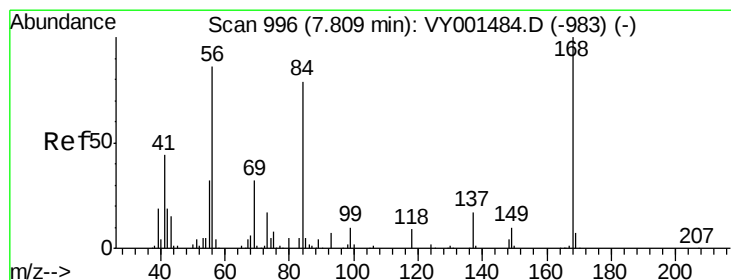
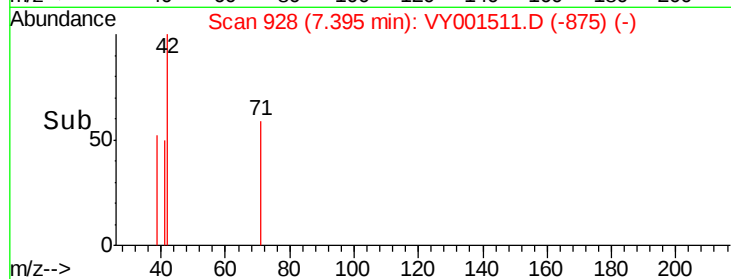
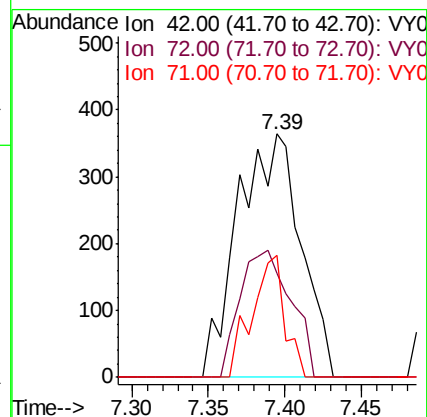
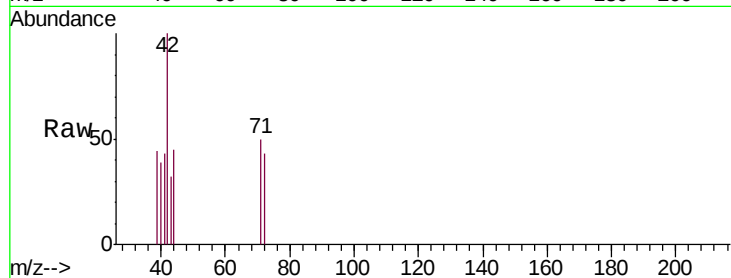




#29
Tetrahydrofuran
Concen: 2.711 ug/l
RT: 7.39 min Scan# 928
Delta R.T. 0.02 min
Lab File: VY001511.D
Acq: 05 Feb 2020 16:49

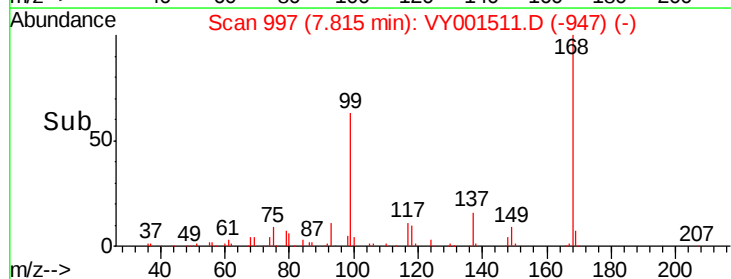
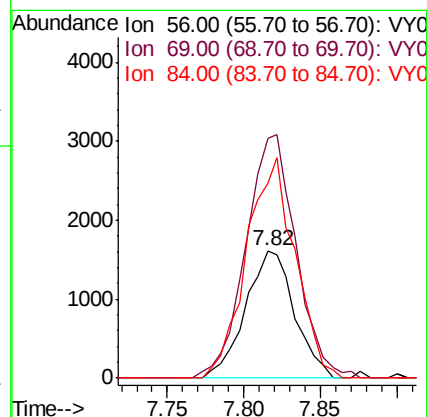
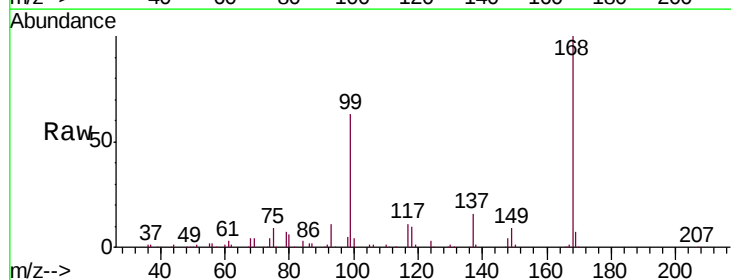
Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-03-1-2

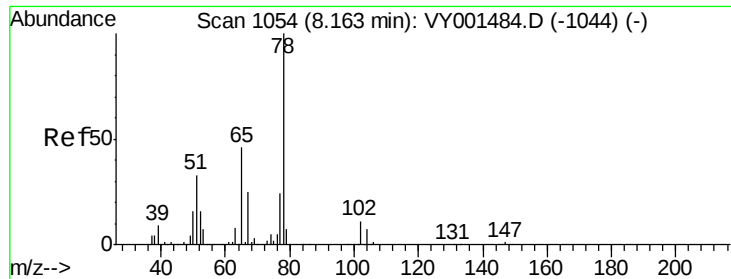
Tgt Ion: 42 Resp: 1039
Ion Ratio Lower Upper
42 100
72 42.3 37.8 56.6
71 26.1 34.8 52.2#



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001511.D
Acq: 05 Feb 2020 16:49

Tgt Ion: 56 Resp: 3588
Ion Ratio Lower Upper
56 100
69 188.8 29.6 44.4#
84 152.9 73.6 110.4#

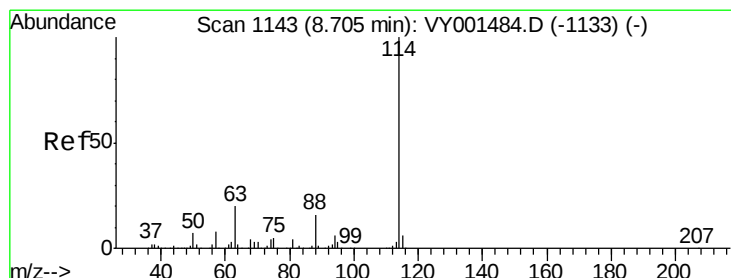
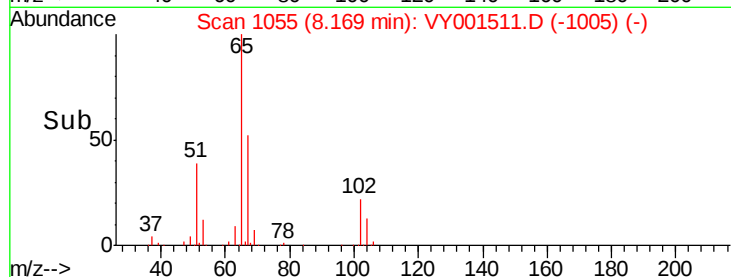
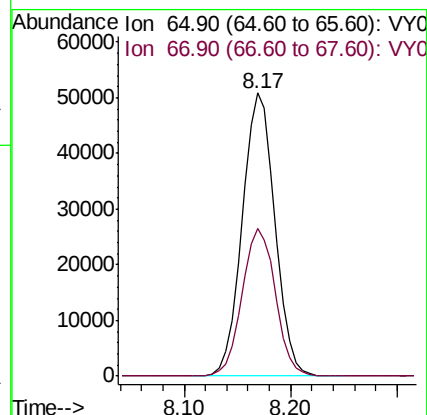
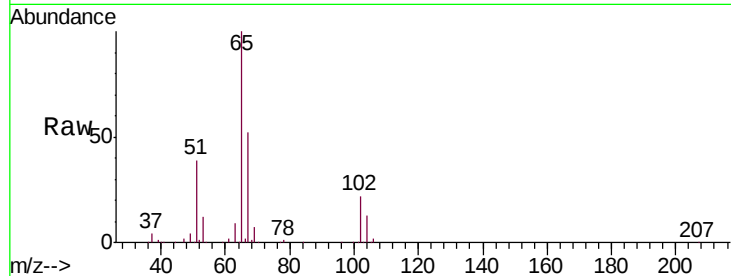




#33
 1,2-Dichloroethane-d4
 Concen: 64.219 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001511.D
 Acq: 05 Feb 2020 16:49

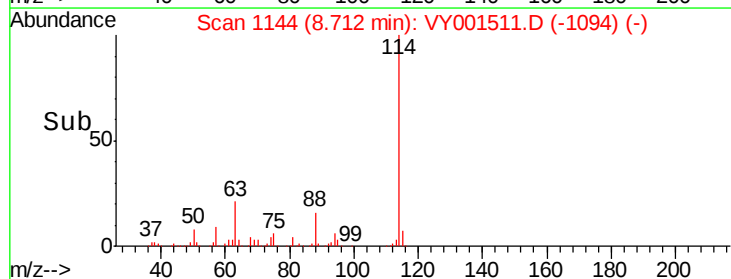
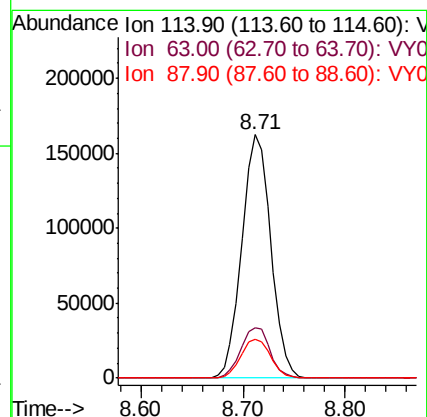
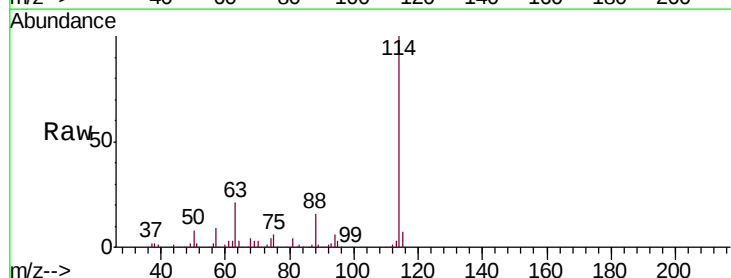
Instrument :
 MSVOA_Y
 ClientSampleId :
 HAM-SB-03-1-2

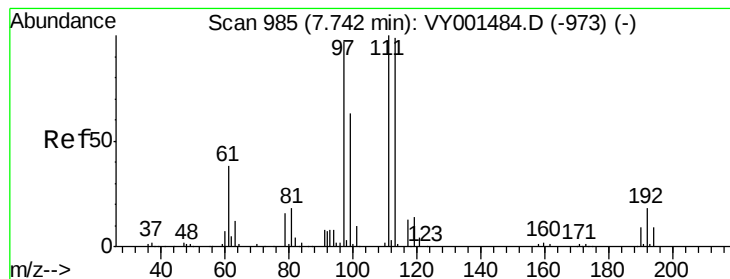
Tgt Ion: 65 Resp: 109428
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001511.D
 Acq: 05 Feb 2020 16:49

Tgt Ion: 114 Resp: 319340
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.8
 88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.247 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-03-1-2

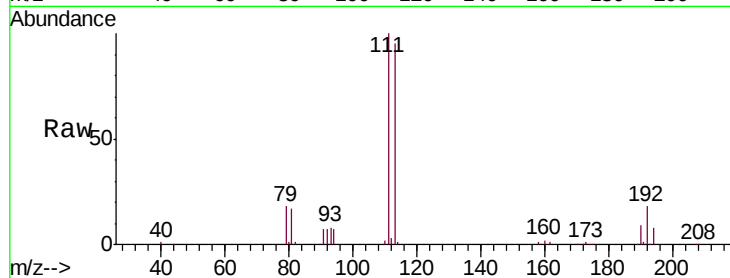
Tgt Ion:113 Resp: 94370

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

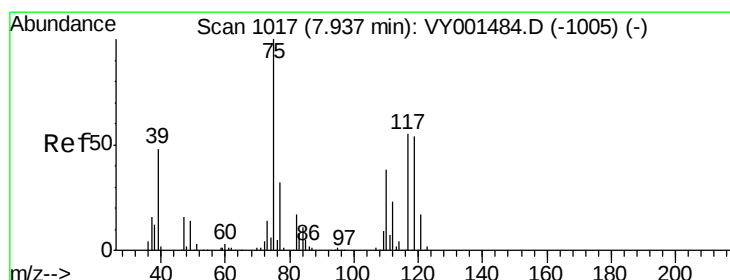
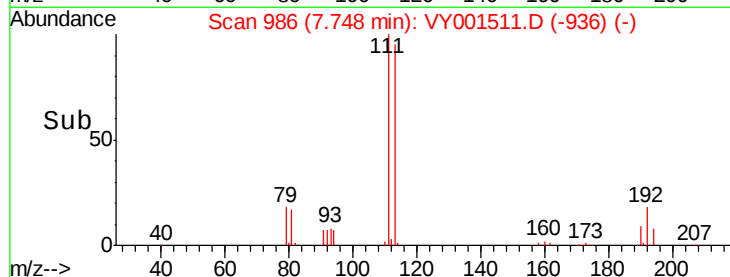
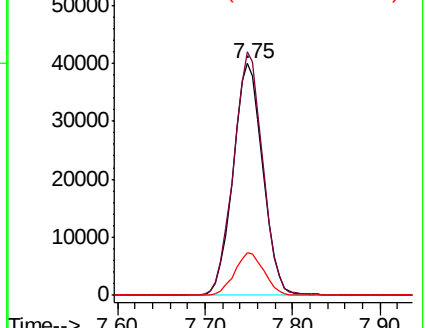
192 18.1 14.6 22.0



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: 4.829 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

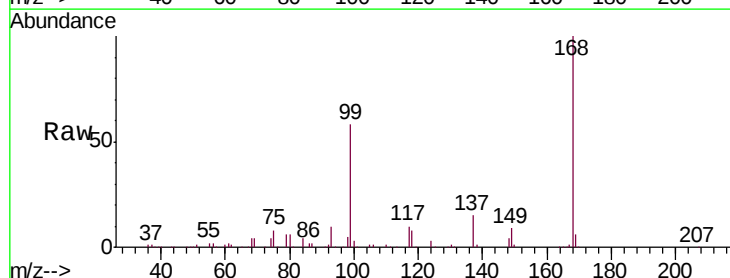
Tgt Ion: 75 Resp: 14107

Ion Ratio Lower Upper

75 100

110 8.2 18.2 54.6#

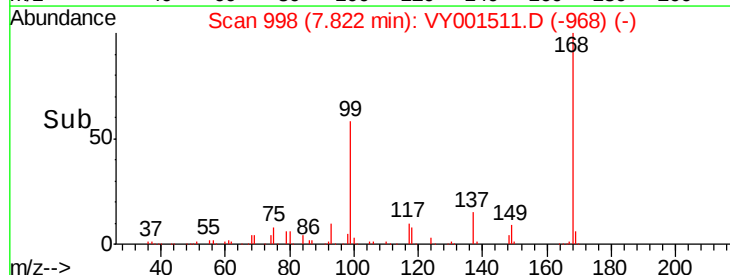
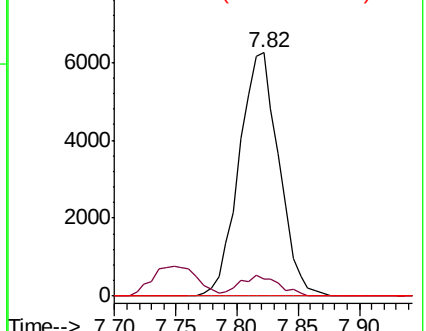
77 0.0 25.0 37.4#

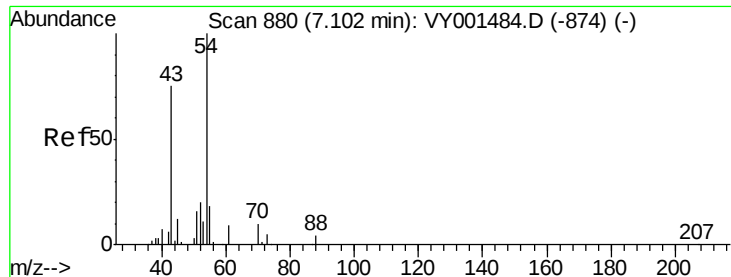


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 17.784 ug/l

RT: 7.03 min Scan# 868

Delta R.T. -0.07 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-03-1-2

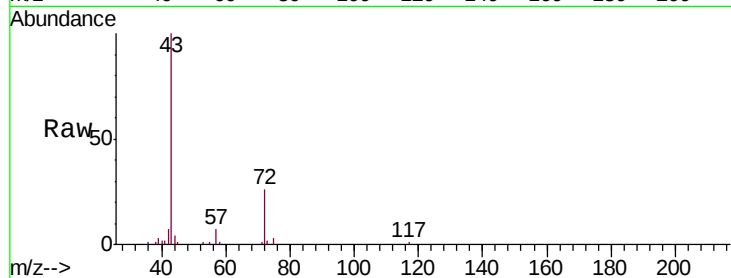
Tgt Ion: 43 Resp: 25150

Ion Ratio Lower Upper

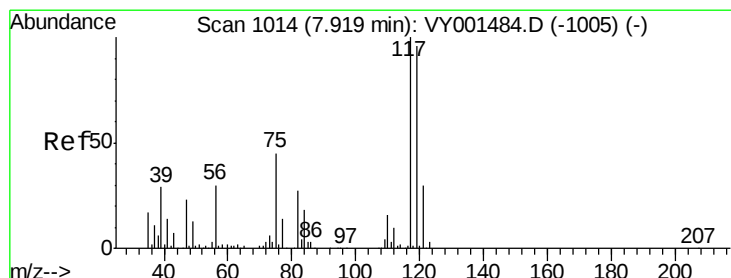
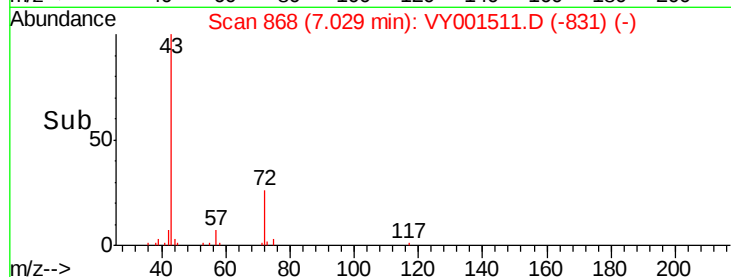
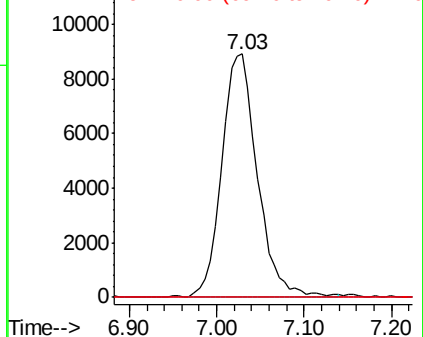
43 100

61 0.0 12.0 18.0#

70 0.0 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0



#38

Carbon Tetrachloride

Concen: 6.138 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

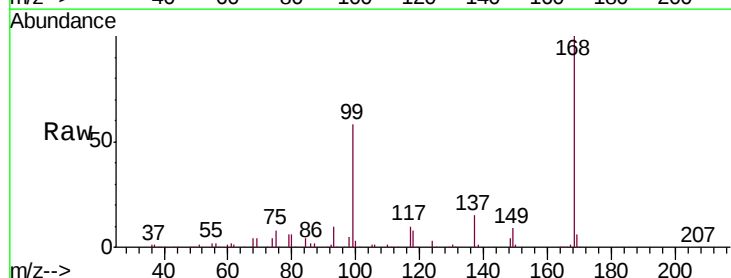
Tgt Ion: 117 Resp: 17348

Ion Ratio Lower Upper

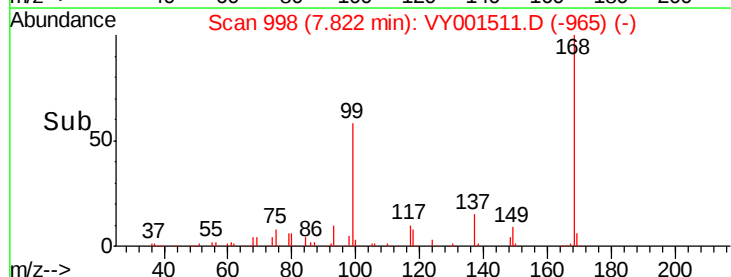
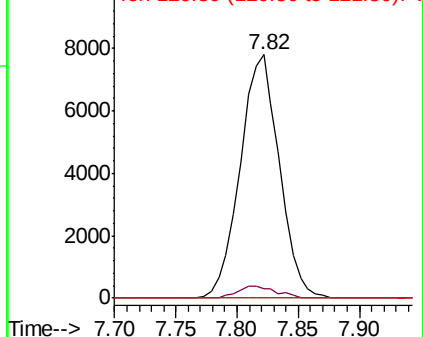
117 100

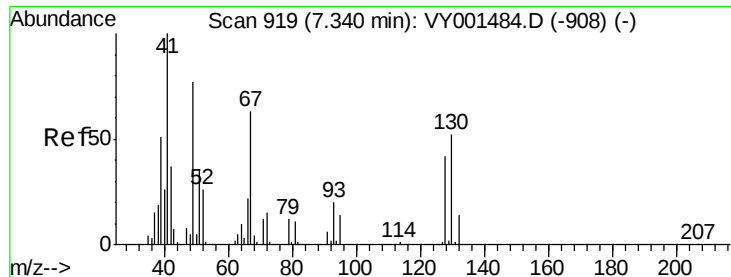
119 4.1 76.4 114.6#

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

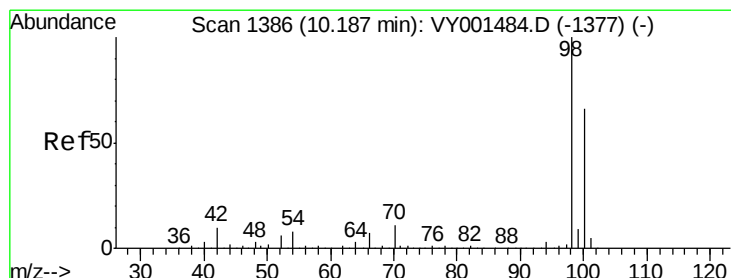
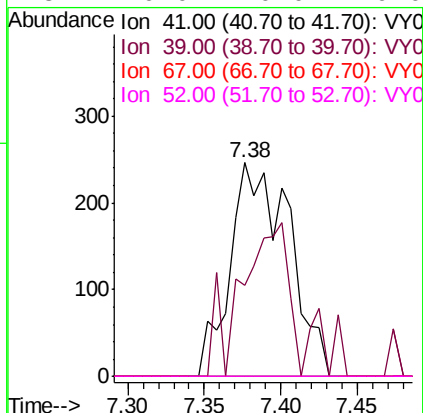
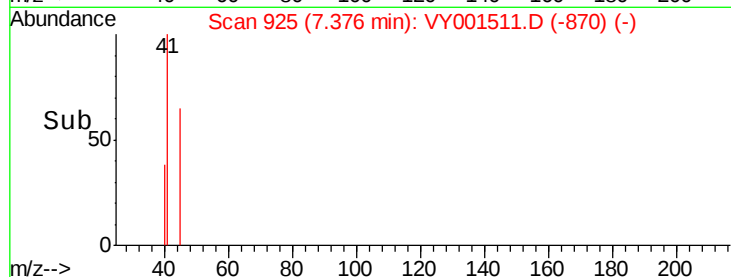
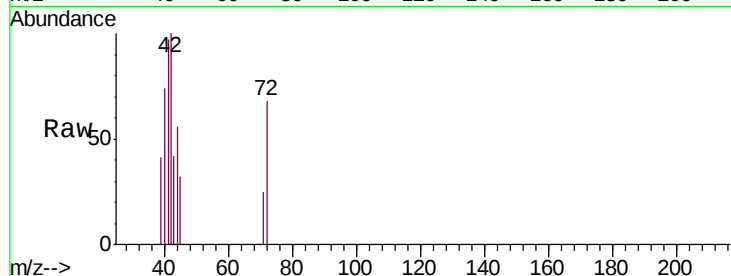




#41
Methacrylonitrile
Concen: 1.013 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.04 min
Lab File: VY001511.D
Acq: 05 Feb 2020 16:49

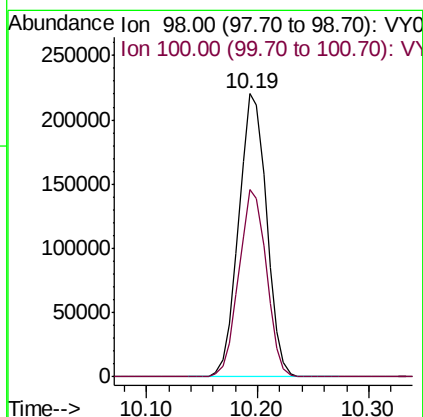
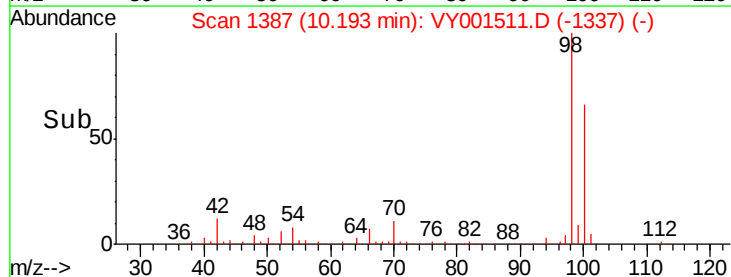
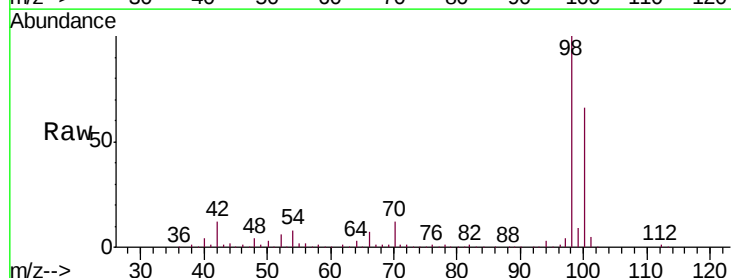
Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-03-1-2

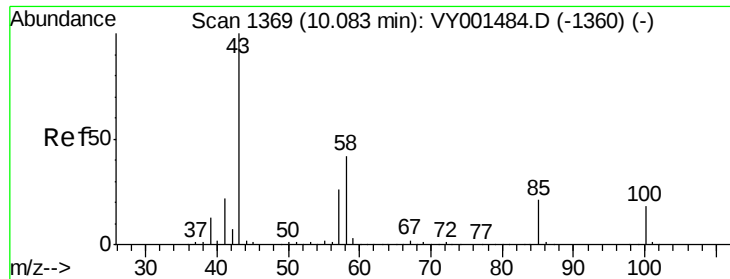
Tgt Ion: 41 Resp: 664
Ion Ratio Lower Upper
41 100
39 6.6 116.8 175.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 54.983 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001511.D
Acq: 05 Feb 2020 16:49

Tgt Ion: 98 Resp: 383070
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 1.192 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampled :

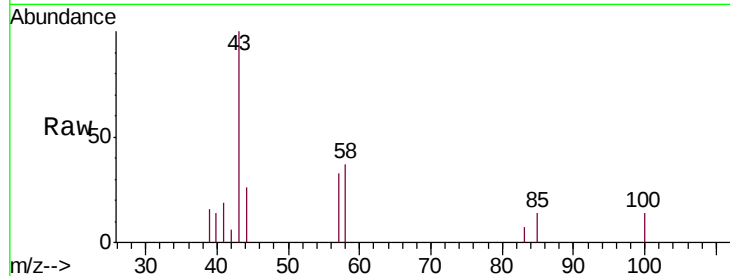
HAM-SB-03-1-2

Tgt Ion: 43 Resp: 1644

Ion Ratio Lower Upper

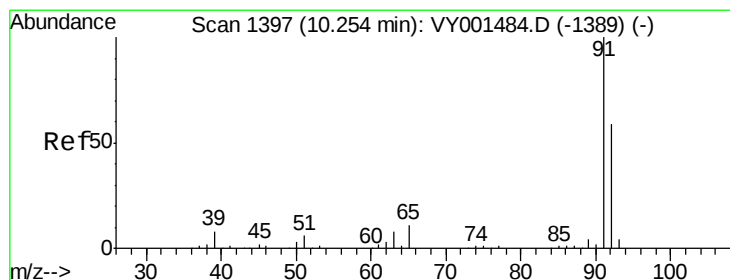
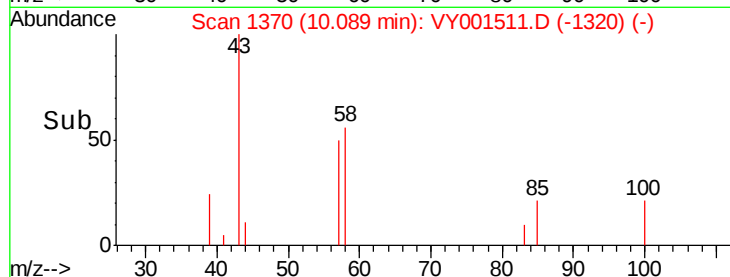
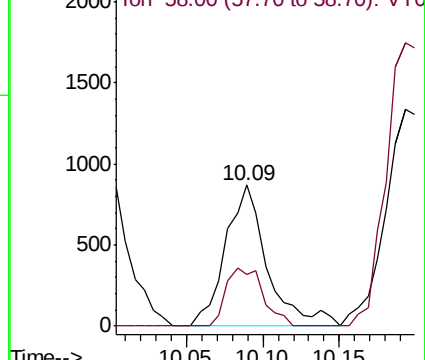
43 100

58 36.6 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VY001511.D (-1320) (-)

Ion 58.00 (57.70 to 58.70): VY001511.D (-1320) (-)



#52

Toluene

Concen: 1.166 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001511.D

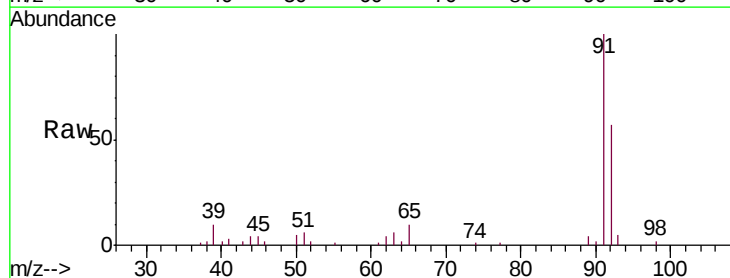
Acq: 05 Feb 2020 16:49

Tgt Ion: 92 Resp: 6167

Ion Ratio Lower Upper

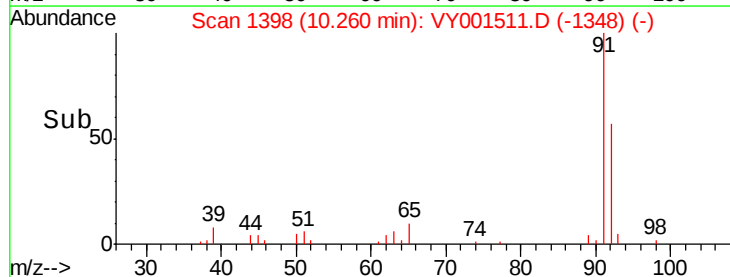
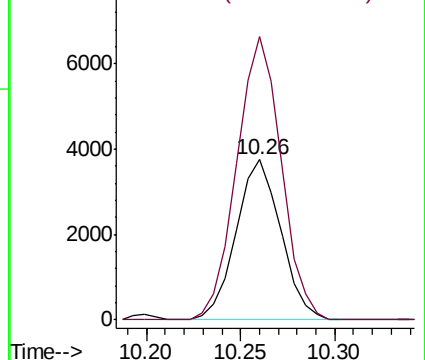
92 100

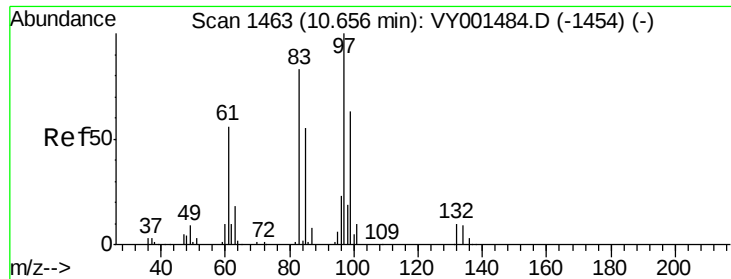
91 176.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001511.D (-1348) (-)

Ion 91.00 (90.70 to 91.70): VY001511.D (-1348) (-)

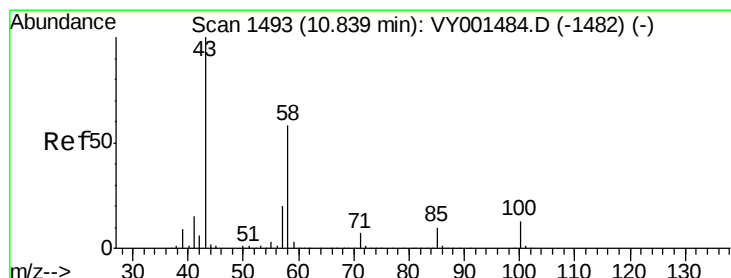
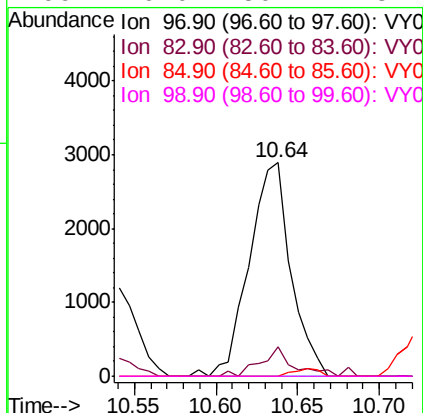
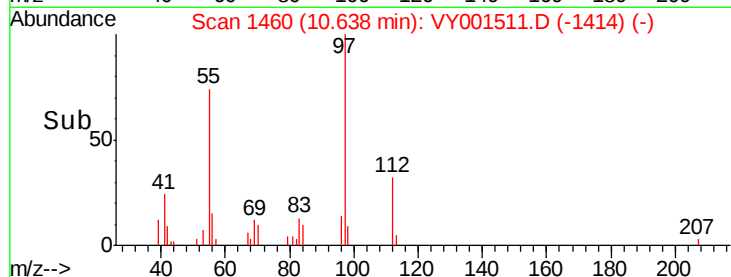
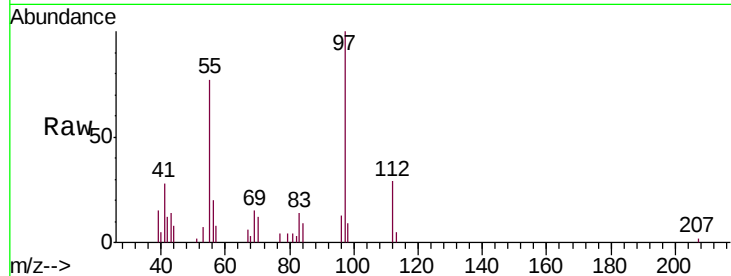




#55
 1,1,2-Trichloroethane
 Concen: 3.169 ug/l
 RT: 10.64 min Scan# 1460
 Delta R.T. -0.02 min
 Lab File: VY001511.D
 Acq: 05 Feb 2020 16:49

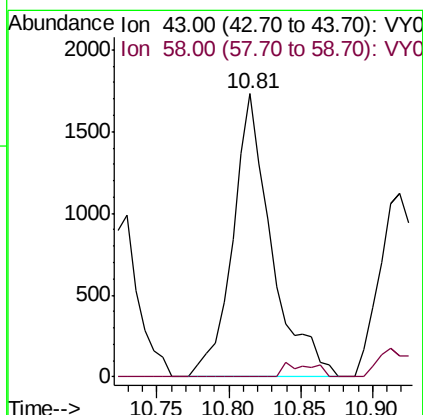
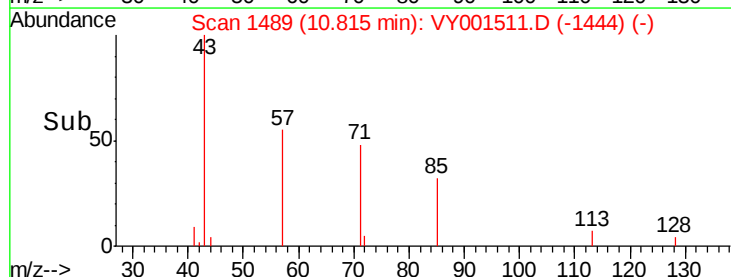
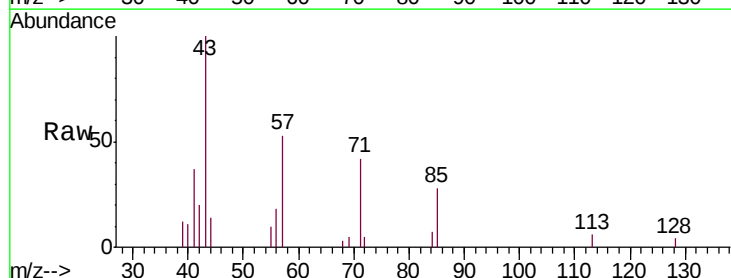
Instrument :
 MSVOA_Y
 ClientSampleId :
 HAM-SB-03-1-2

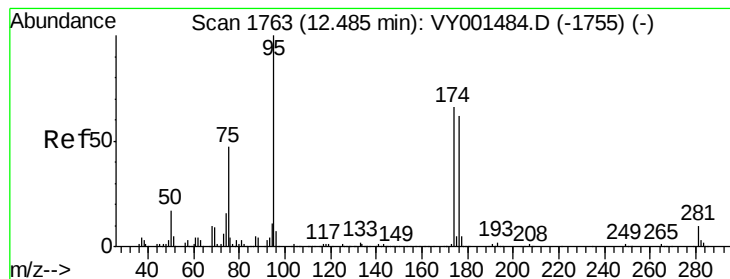
Tgt Ion: 97 Resp: 5137
 Ion Ratio Lower Upper
 97 100
 83 13.7 66.2 99.2#
 85 0.0 43.8 65.6#
 99 0.0 50.1 75.1#



#59
 2-Hexanone
 Concen: 3.238 ug/l
 RT: 10.81 min Scan# 1489
 Delta R.T. -0.02 min
 Lab File: VY001511.D
 Acq: 05 Feb 2020 16:49

Tgt Ion: 43 Resp: 3246
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.0 87.0#





#62

4-Bromofluorobenzene

Concen: 47.288 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-03-1-2

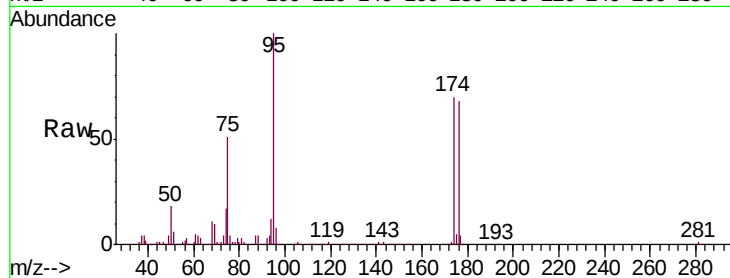
Tgt Ion: 95 Resp: 129788

Ion Ratio Lower Upper

95 100

174 71.8 0.0 141.4

176 69.1 0.0 135.4



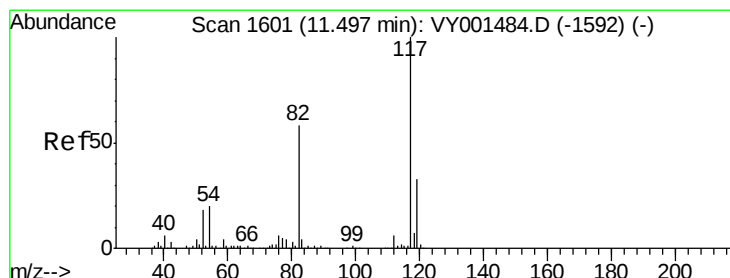
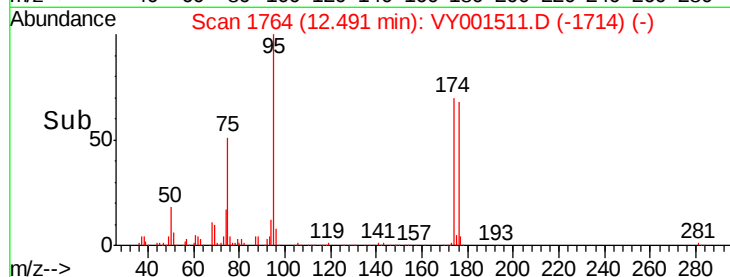
Abundance Ion 94.90 (94.60 to 95.60): VY001511.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001511.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001511.D (-1714) (-)

12.49

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

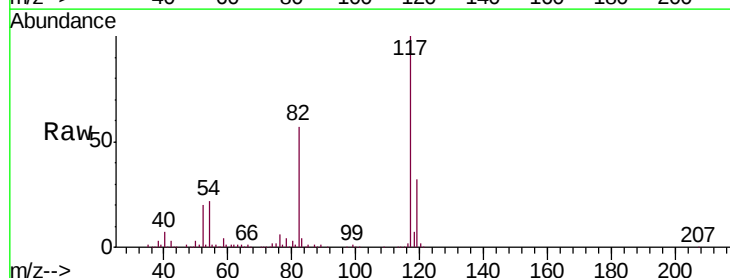
Tgt Ion: 117 Resp: 281357

Ion Ratio Lower Upper

117 100

82 57.3 46.1 69.1

119 32.0 26.1 39.1



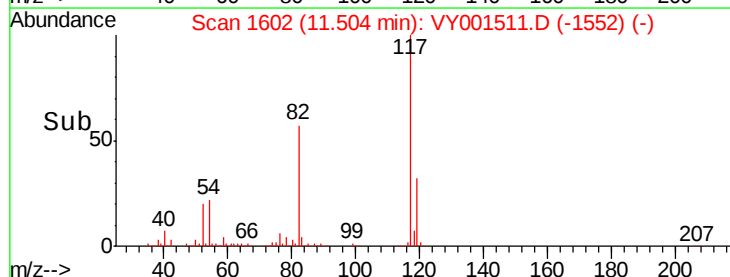
Abundance Ion 116.90 (116.60 to 117.60): VY001511.D (-1552) (-)

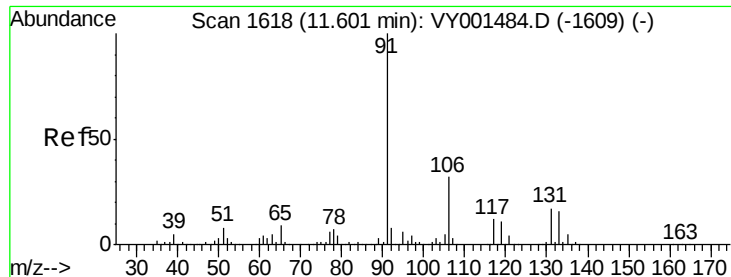
Ion 82.00 (81.70 to 82.70): VY001511.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY001511.D (-1552) (-)

11.50

Time-->

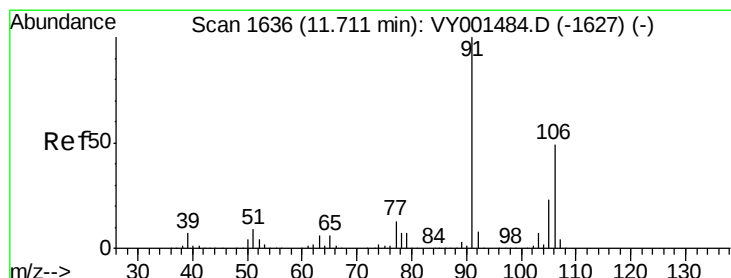
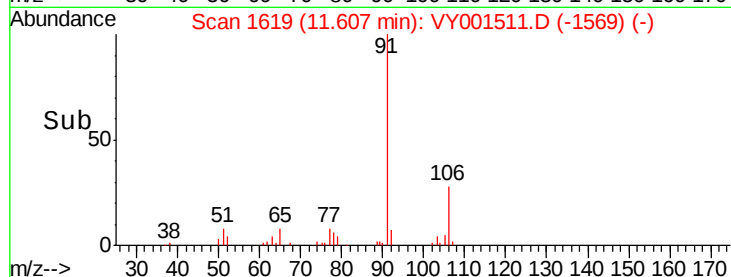
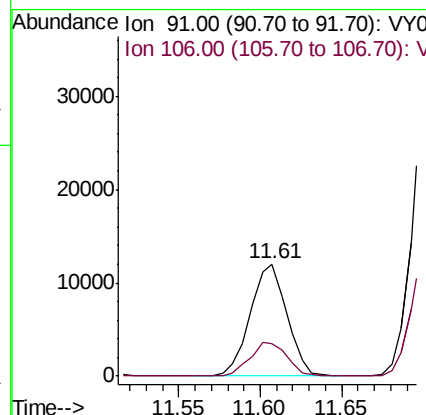
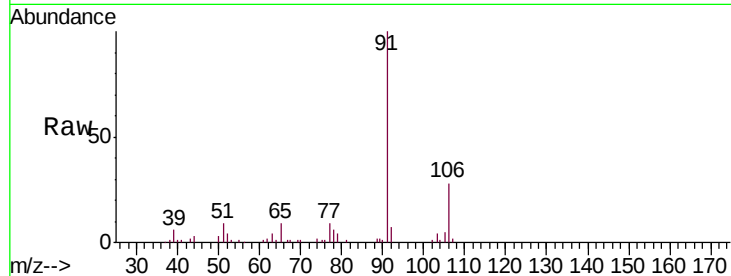




#67
Ethyl Benzene
Concen: 1.851 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001511.D
Acq: 05 Feb 2020 16:49

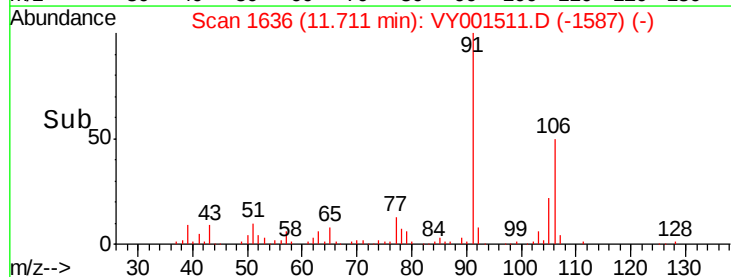
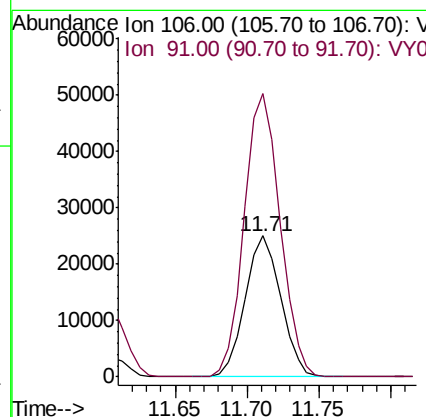
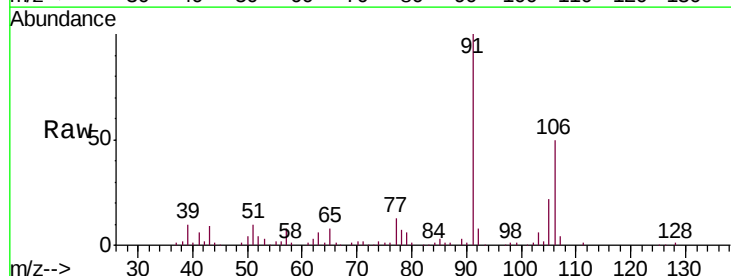
Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-03-1-2

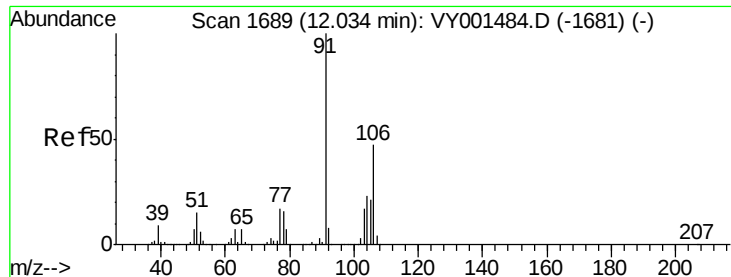
Tgt Ion: 91 Resp: 18903
Ion Ratio Lower Upper
91 100
106 28.4 25.3 37.9



#68
m/p-Xylenes
Concen: 11.201 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001511.D
Acq: 05 Feb 2020 16:49

Tgt Ion: 106 Resp: 42950
Ion Ratio Lower Upper
106 100
91 202.6 163.6 245.4

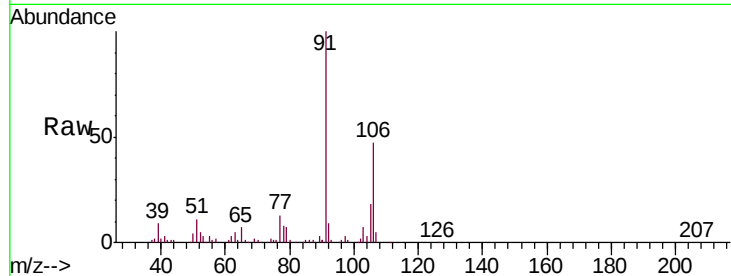




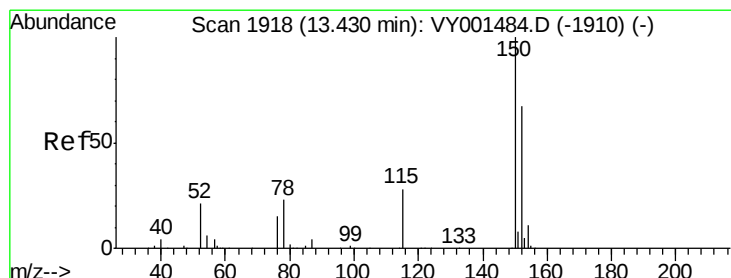
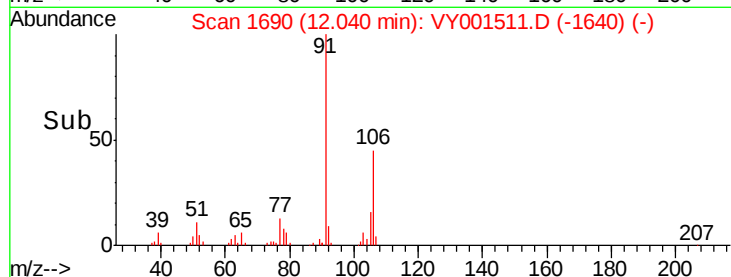
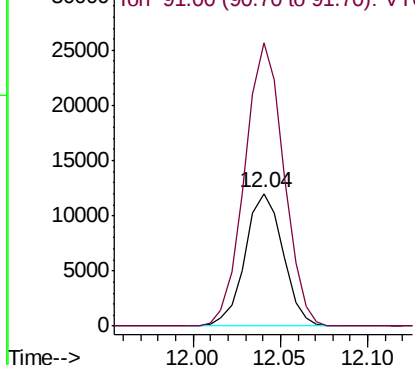
#69
o-Xylene
Concen: 5.010 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001511.D
Acq: 05 Feb 2020 16:49

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-03-1-2

Tgt Ion:106 Resp: 18115
Ion Ratio Lower Upper
106 100
91 220.3 106.0 318.0

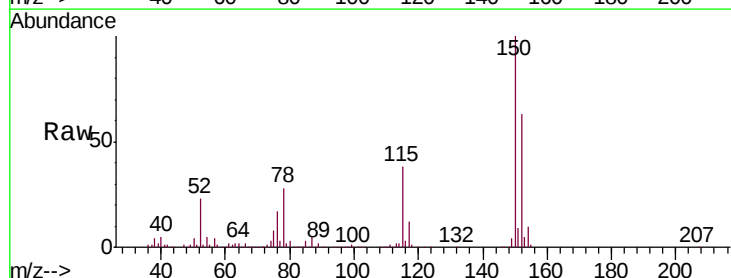


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

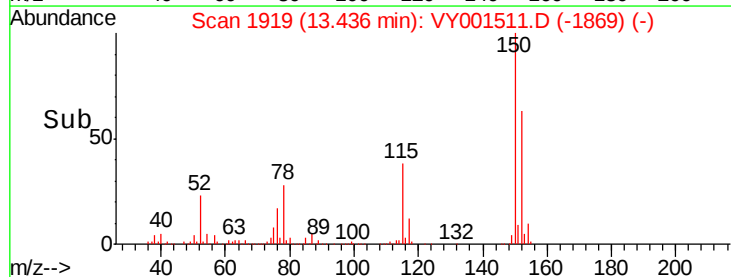
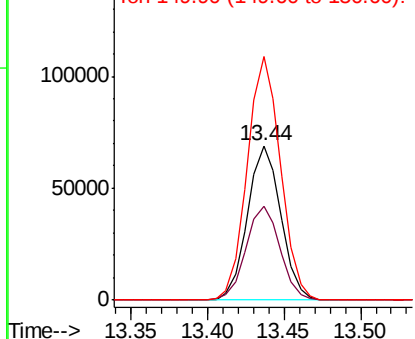


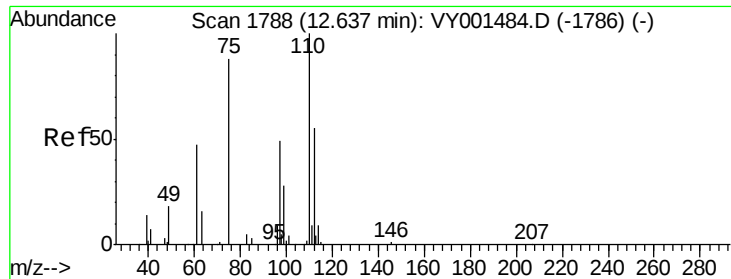
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001511.D
Acq: 05 Feb 2020 16:49

Tgt Ion:152 Resp: 104561
Ion Ratio Lower Upper
152 100
115 61.8 31.4 94.3
150 157.1 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





#76

1,2,3-Trichloropropane

Concen: 58.454 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

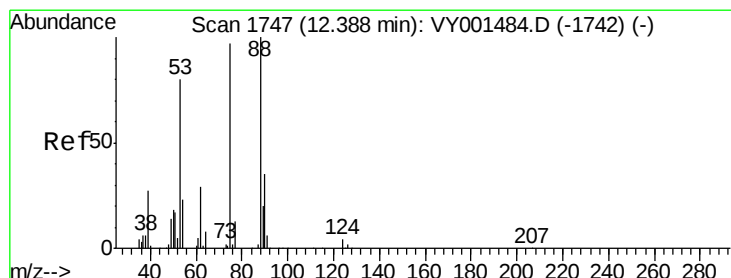
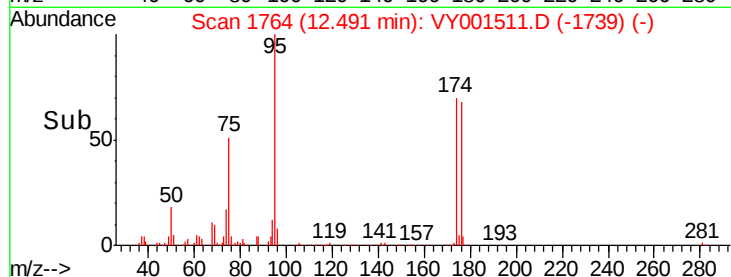
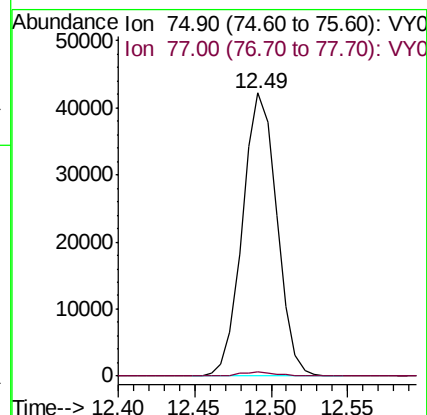
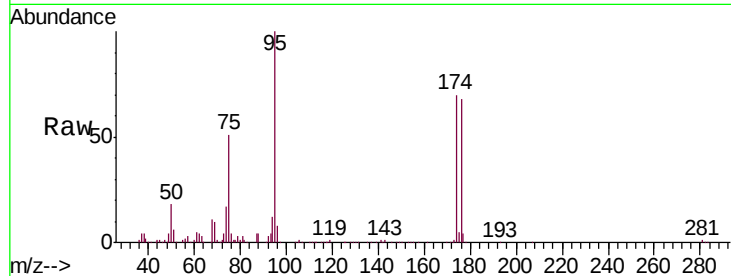
HAM-SB-03-1-2

Tgt Ion: 75 Resp: 65729

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.106 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001511.D

Acq: 05 Feb 2020 16:49

Tgt Ion: 75 Resp: 65729

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.1 34.6 52.0#

