

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032020\
 Data File : VY002036.D
 Acq On : 20 Mar 2020 12:54
 Operator : SY/MD
 Sample : L1749-01RE
 Misc : 7.1G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-02-031920RE

Quant Time: Mar 20 16:13:50 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	134664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	261780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	236561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	90713	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	87729	61.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.04%	
35) Dibromofluoromethane	7.74	113	77611	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.19	98	316061	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.49	95	103096	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	

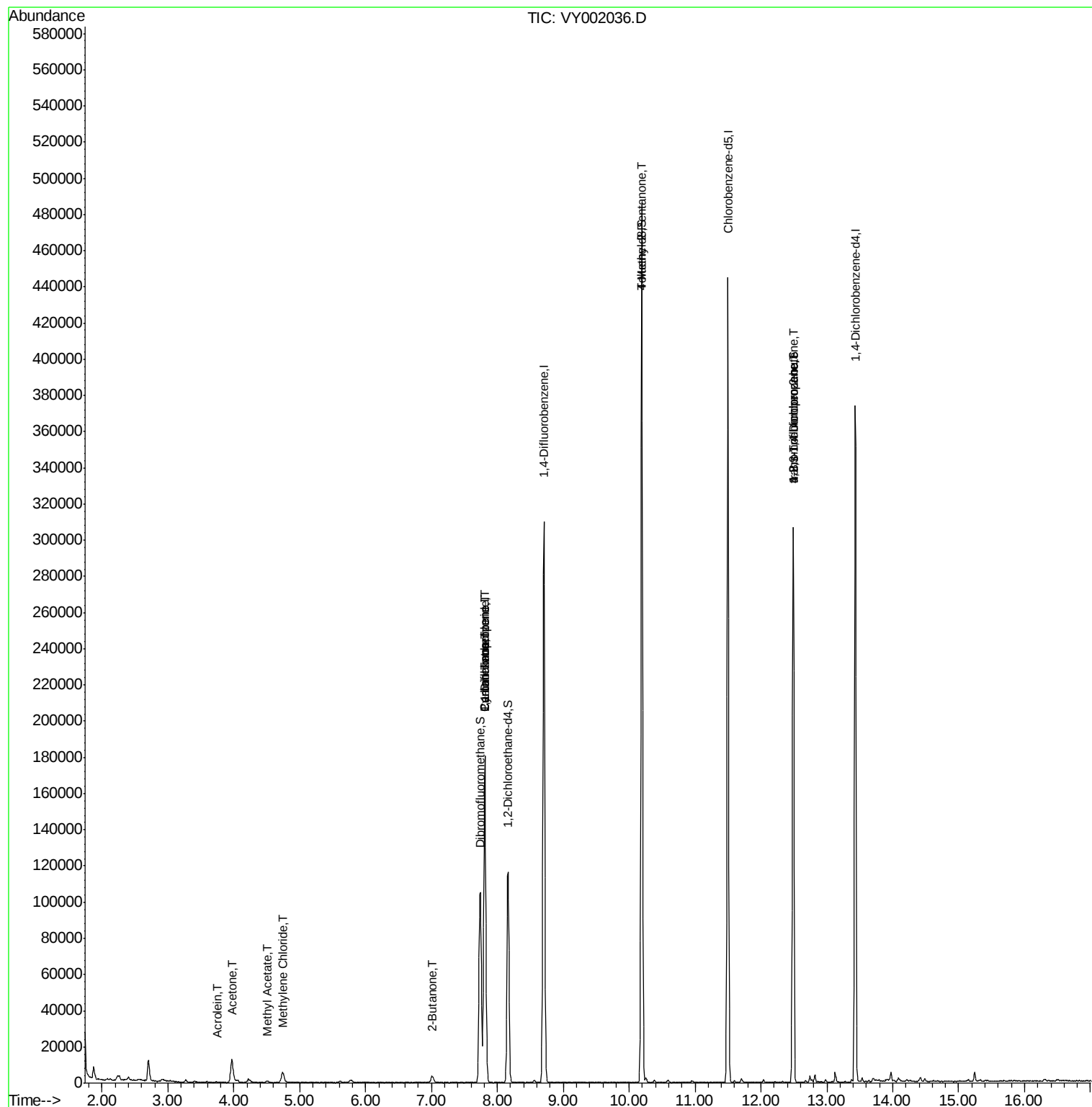
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.67	94	125	Below Cal	#	43
11) Tert butyl alcohol	4.97	59	198	Below Cal	#	74
13) Acrolein	3.76	56	238	1.18	ug/l #	56
16) Acetone	3.97	43	22695	54.20	ug/l	96
18) Methyl Acetate	4.51	43	1896	1.76	ug/l	94
20) Methylene Chloride	4.74	84	4138	2.31	ug/l #	94
25) 2-Butanone	7.02	43	4804	7.54	ug/l #	89
31) Cyclohexane	7.81	56	3186	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11135	4.42	ug/l #	51
38) Carbon Tetrachloride	7.81	117	14114	6.56	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1607	1.13	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	53549	49.75	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53549	100.49	ug/l #	17

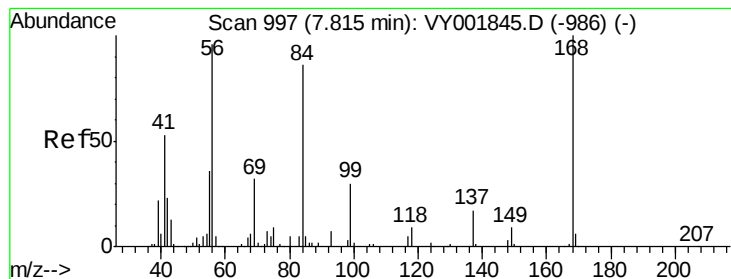
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

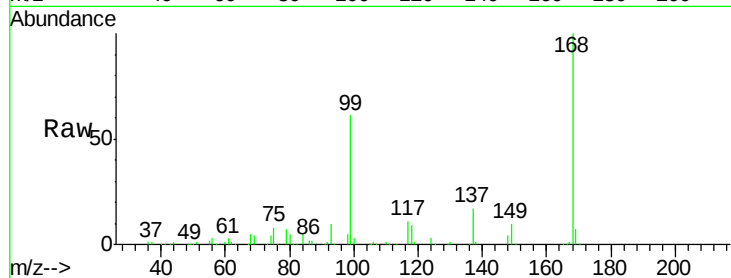
BU-02-031920RE

Tgt Ion:168 Resp: 134664

Ion Ratio Lower Upper

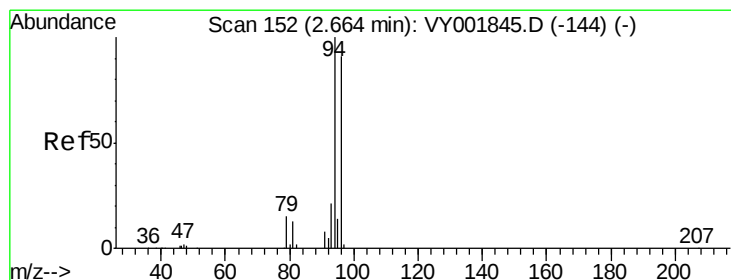
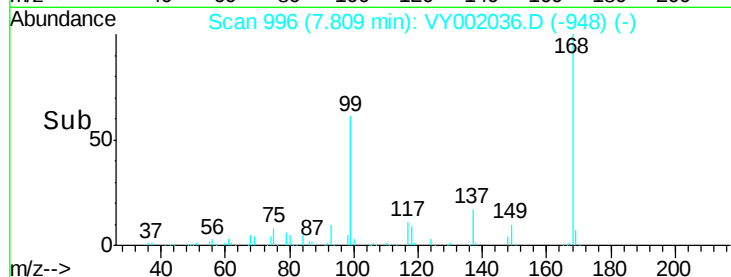
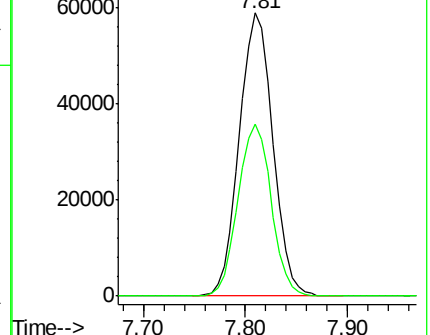
168 100

99 60.9 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) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002036.D

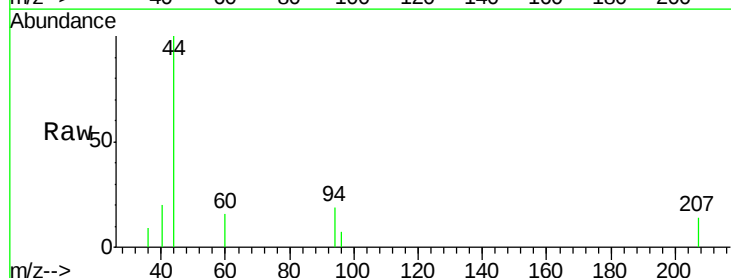
Acq: 20 Mar 2020 12:54

Tgt Ion: 94 Resp: 125

Ion Ratio Lower Upper

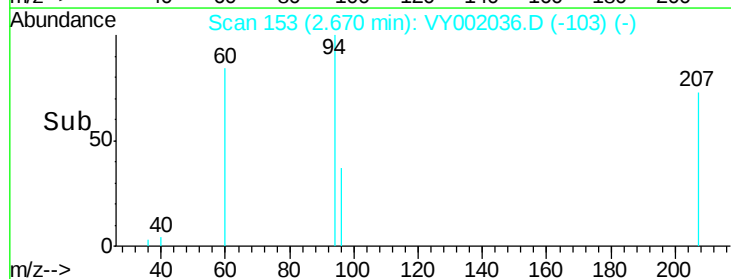
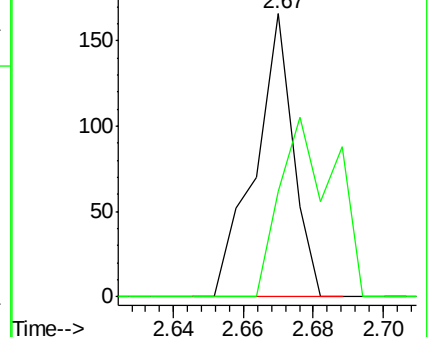
94 100

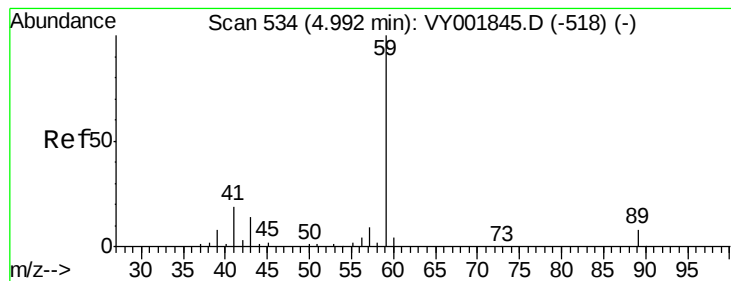
96 37.3 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



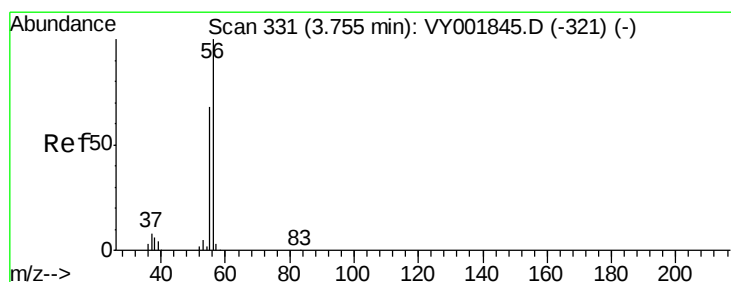
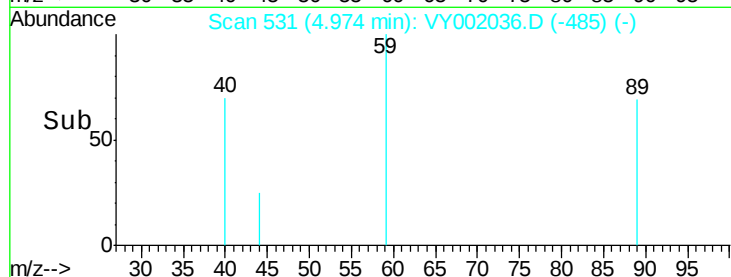
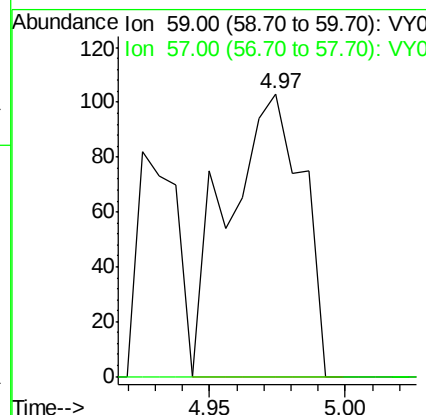
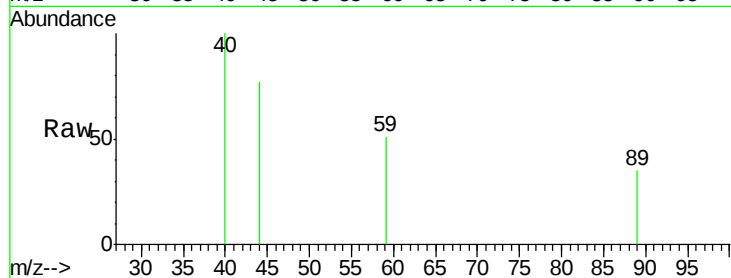


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY002036.D
 Acq: 20 Mar 2020 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-02-031920RE

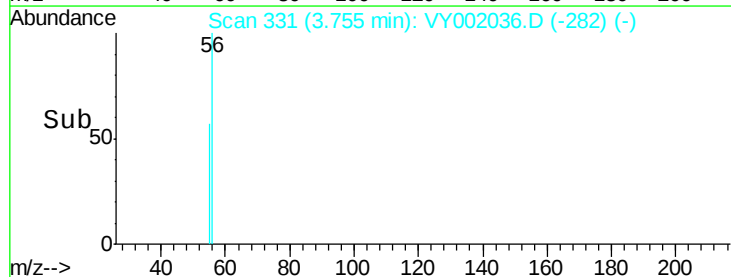
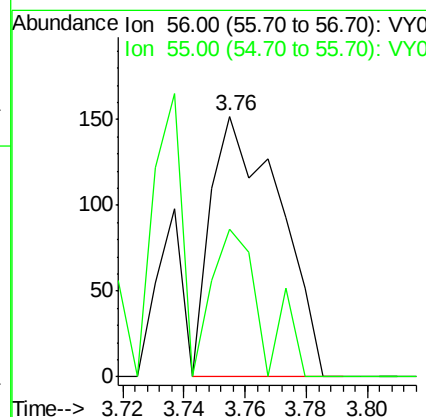
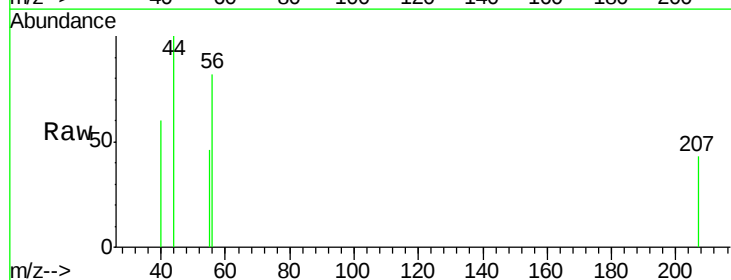
Tgt Ion: 59 Resp: 198
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

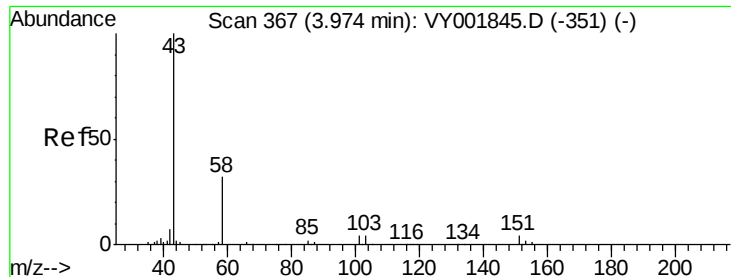


#13

Acrolein
 Concen: 1.18 ug/l
 RT: 3.76 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VY002036.D
 Acq: 20 Mar 2020 12:54

Tgt Ion: 56 Resp: 238
 Ion Ratio Lower Upper
 56 100
 55 32.4 54.0 81.0#





#16

Acetone

Concen: 54.20 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

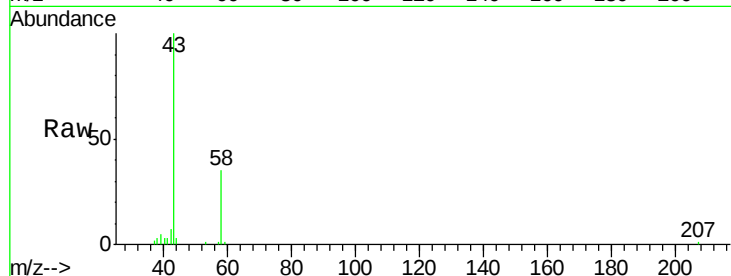
BU-02-031920RE

Tgt Ion: 43 Resp: 22695

Ion Ratio Lower Upper

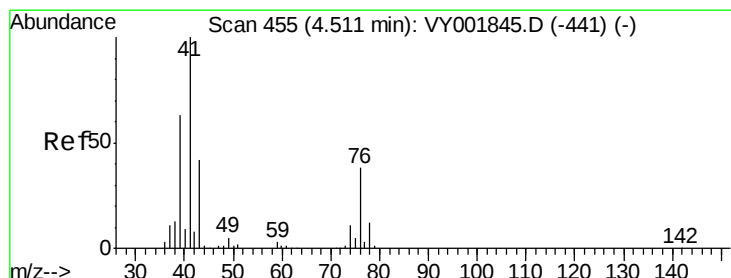
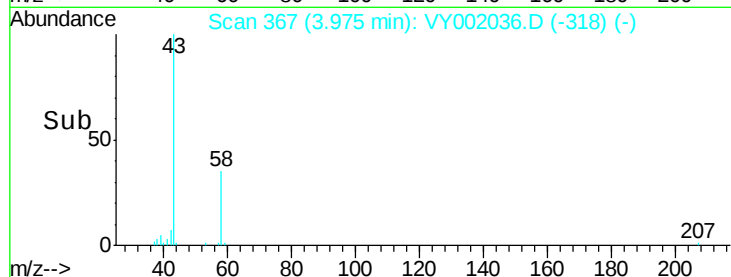
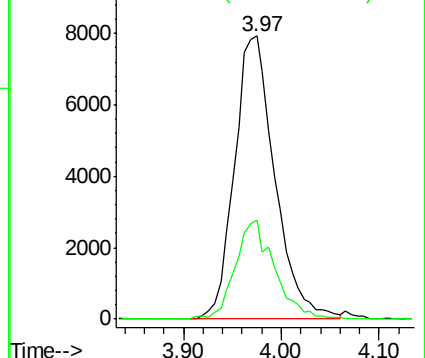
43 100

58 34.8 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.76 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY002036.D

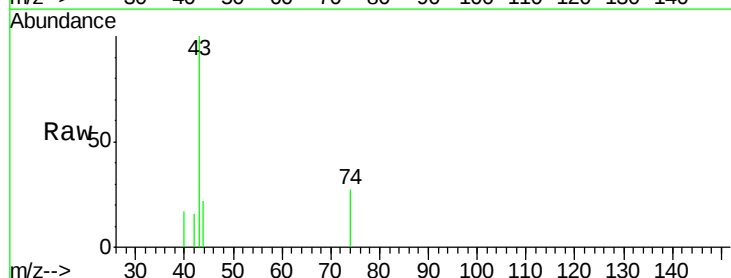
Acq: 20 Mar 2020 12:54

Tgt Ion: 43 Resp: 1896

Ion Ratio Lower Upper

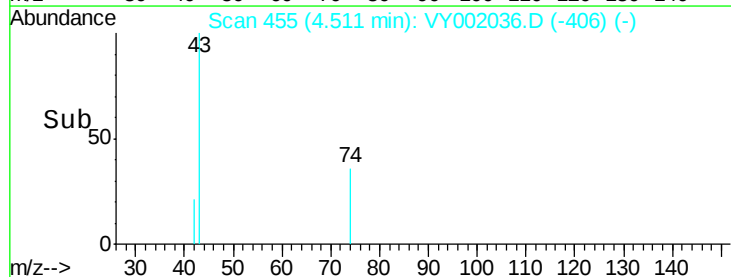
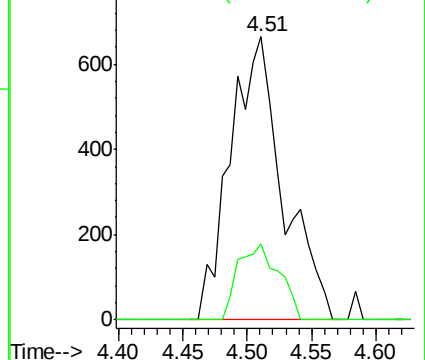
43 100

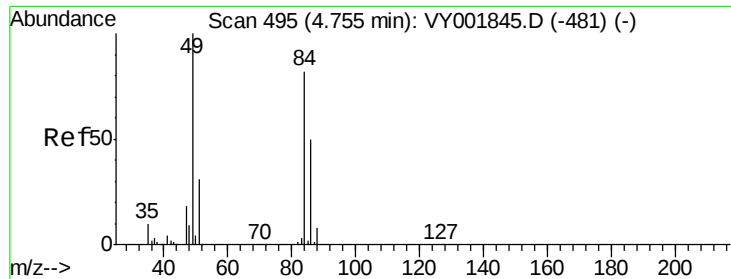
74 20.6 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

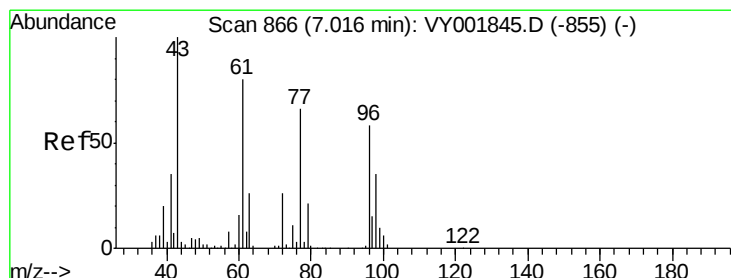
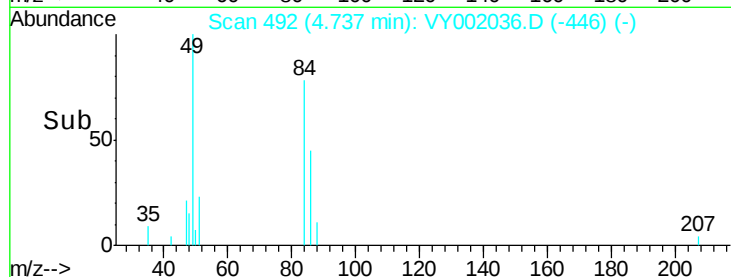
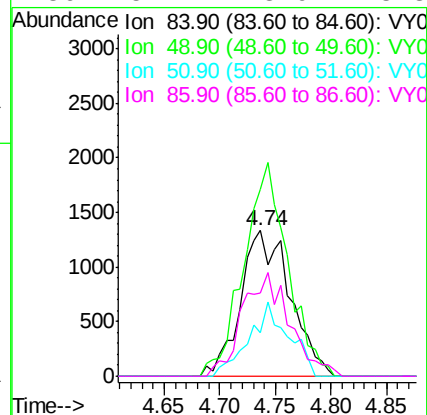
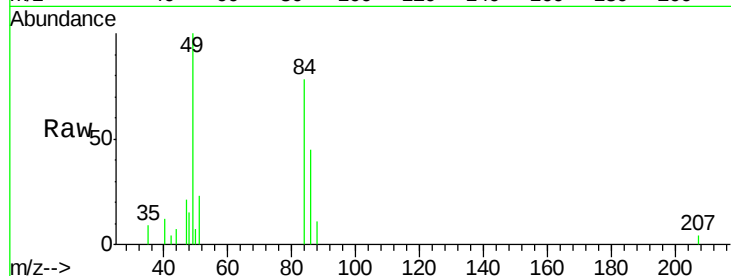




#20
Methylene Chloride
Concen: 2.31 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.02 min
Lab File: VY002036.D
Acq: 20 Mar 2020 12:54

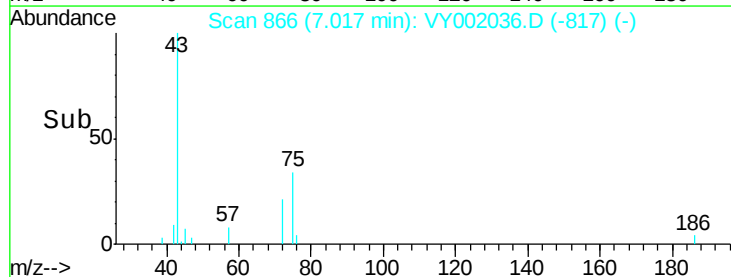
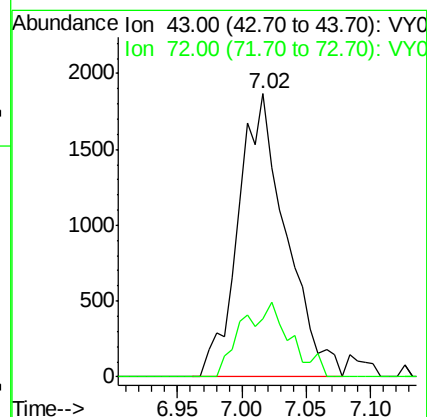
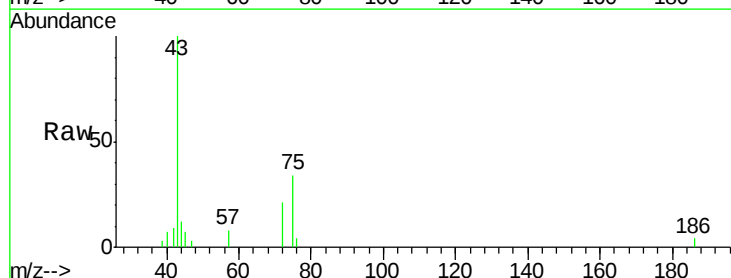
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031920RE

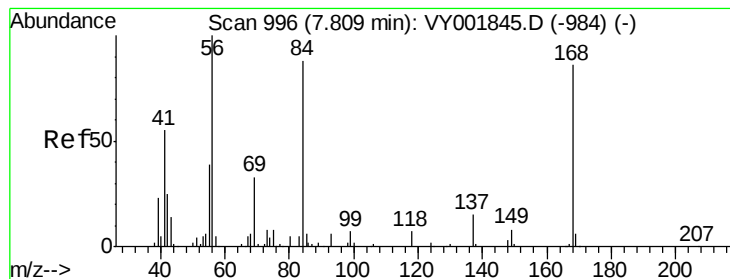
Tgt Ion: 84 Resp: 4138
Ion Ratio Lower Upper
84 100
49 128.5 98.2 147.2
51 30.1 30.2 45.2#
86 57.4 48.9 73.3



#25
2-Butanone
Concen: 7.54 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002036.D
Acq: 20 Mar 2020 12:54

Tgt Ion: 43 Resp: 4804
Ion Ratio Lower Upper
43 100
72 20.7 20.9 31.3#





#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

BU-02-031920RE

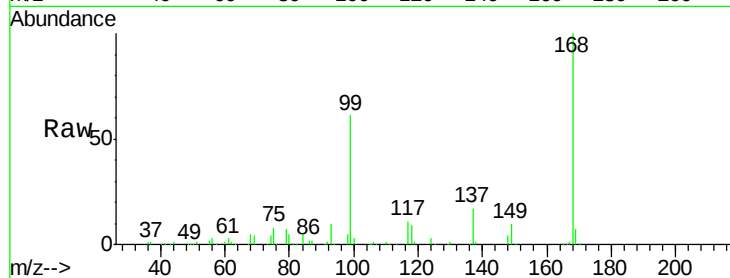
Tgt Ion: 56 Resp: 3186

Ion Ratio Lower Upper

56 100

69 157.5 26.7 40.1#

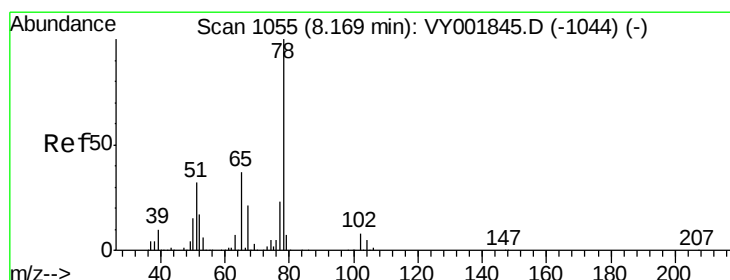
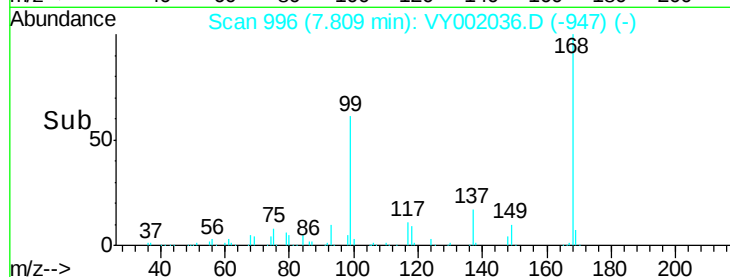
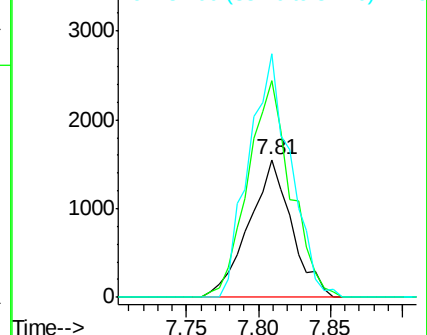
84 176.5 70.4 105.6#



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: 61.02 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002036.D

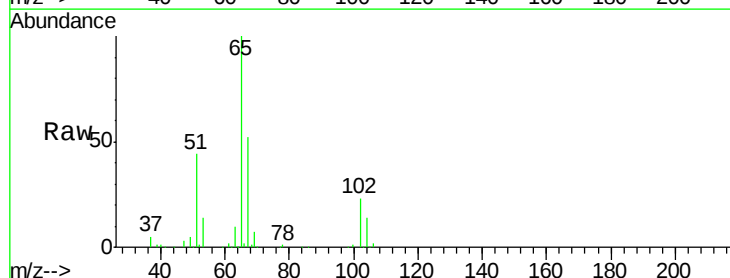
Acq: 20 Mar 2020 12:54

Tgt Ion: 65 Resp: 87729

Ion Ratio Lower Upper

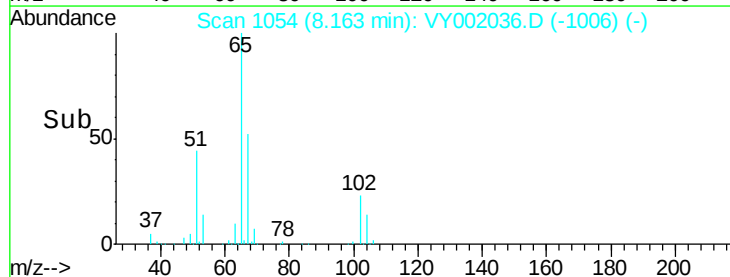
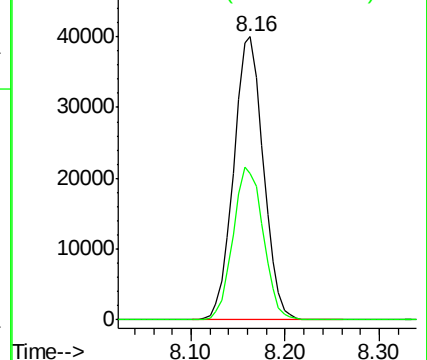
65 100

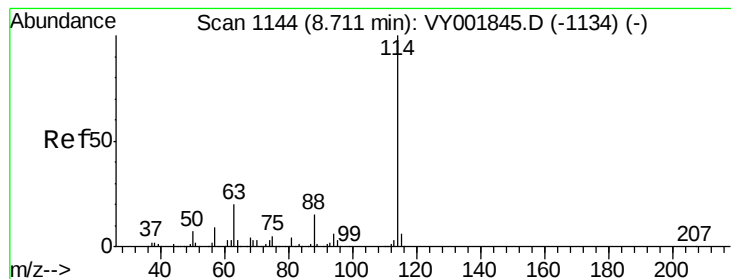
67 54.8 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

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BU-02-031920RE

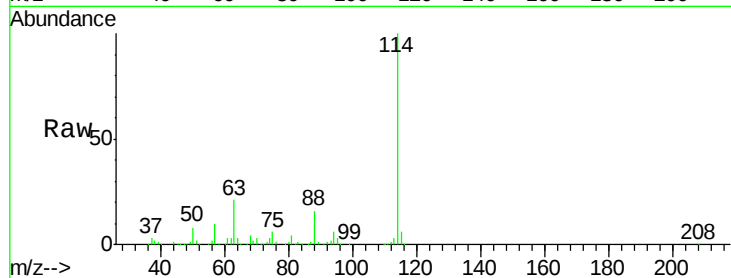
Tgt Ion:114 Resp: 261780

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.4

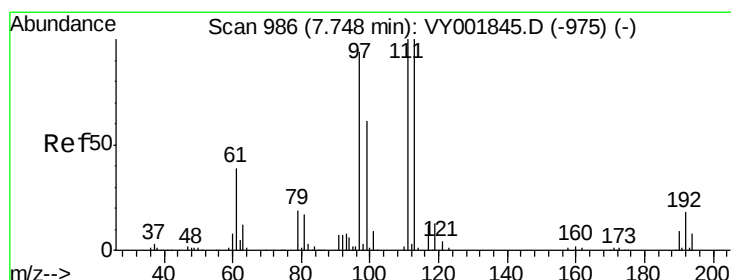
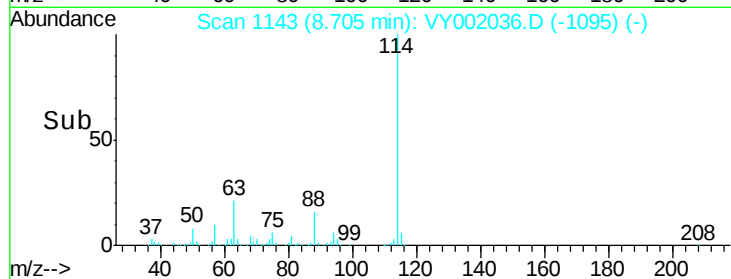
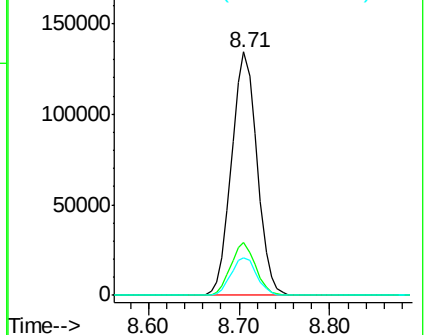
88 15.7 0.0 30.4



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: 54.29 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

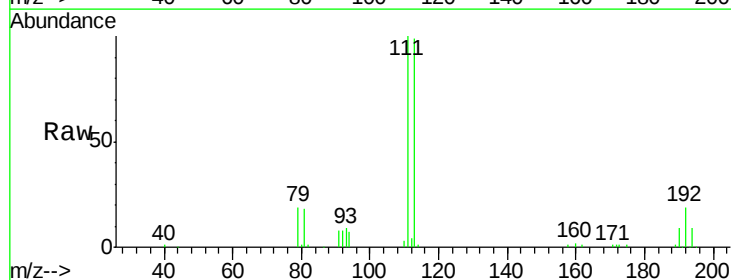
Tgt Ion:113 Resp: 77611

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

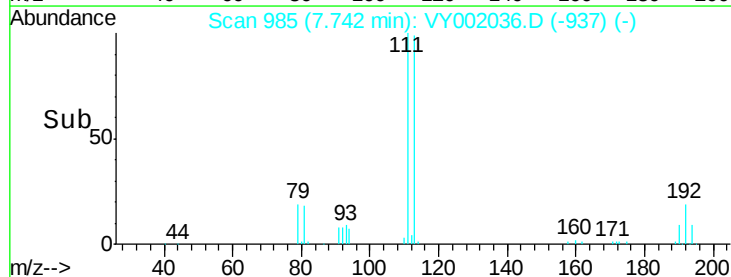
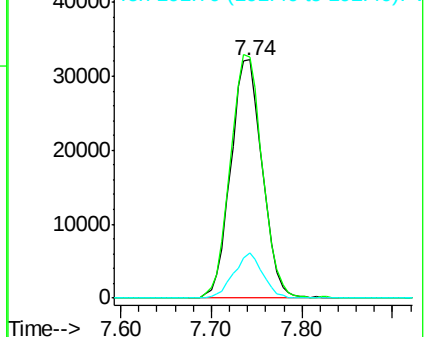
192 17.4 14.2 21.2

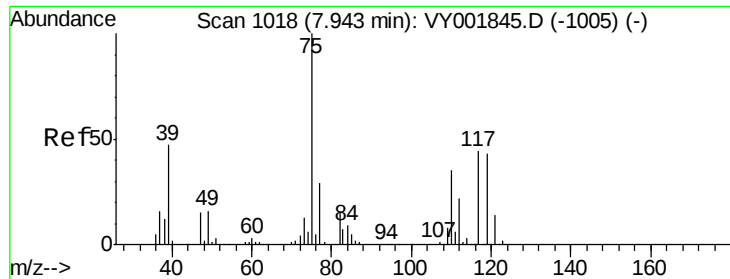


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

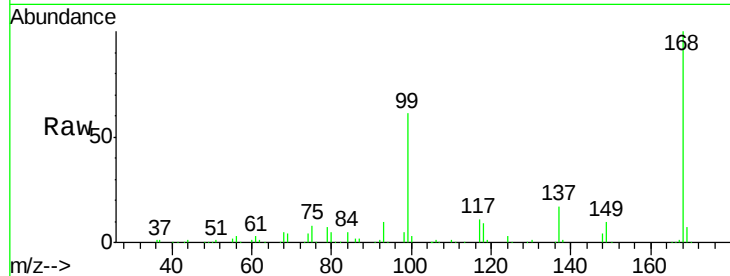




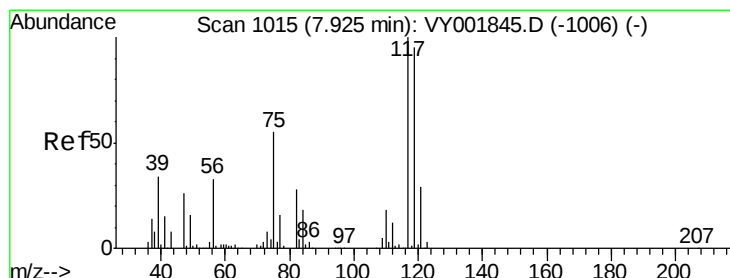
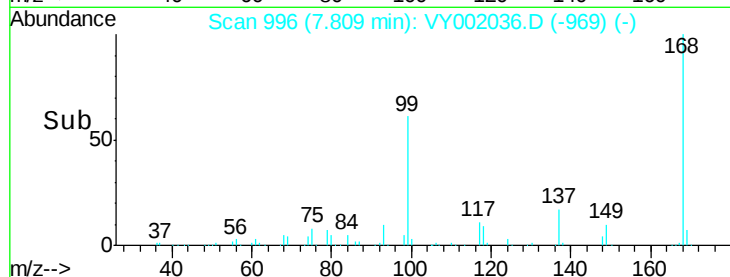
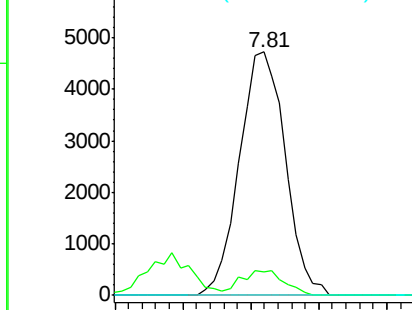
#36
 1,1-Dichloropropene
 Concen: 4.42 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002036.D
 Acq: 20 Mar 2020 12:54

Instrument :
 MSVOA_Y
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 BU-02-031920RE

Tgt Ion: 75 Resp: 11135
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.4 52.2#
 77 0.0 24.2 36.2#

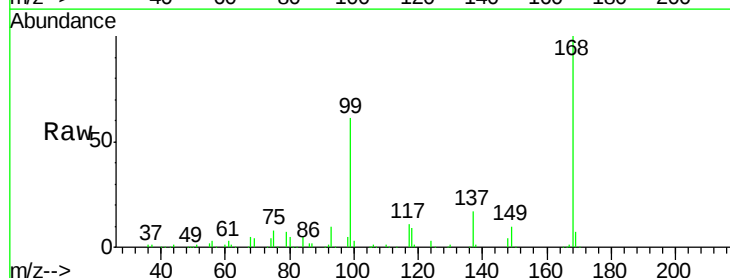


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

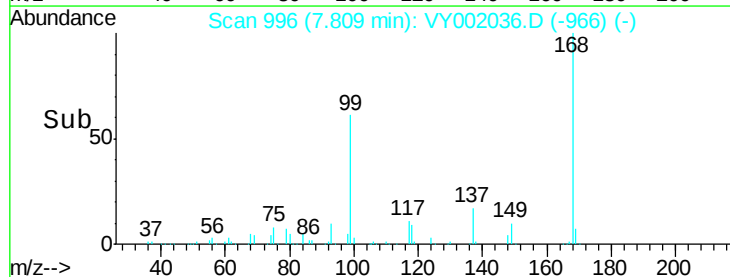
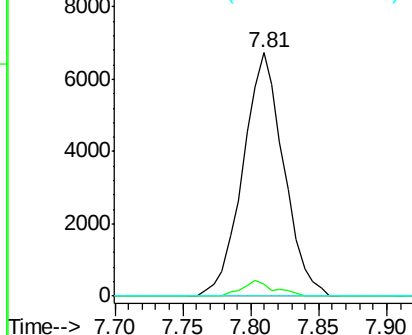


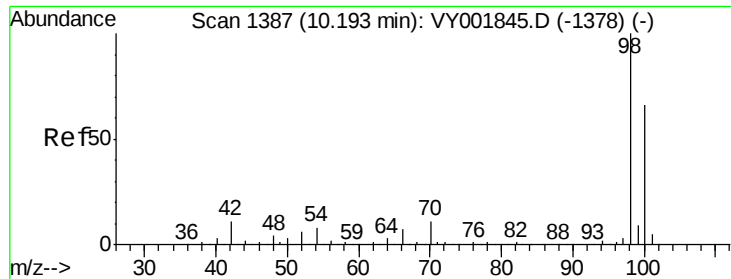
#38
 Carbon Tetrachloride
 Concen: 6.56 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002036.D
 Acq: 20 Mar 2020 12:54

Tgt Ion: 117 Resp: 14114
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.3 114.5#
 121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 52.43 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

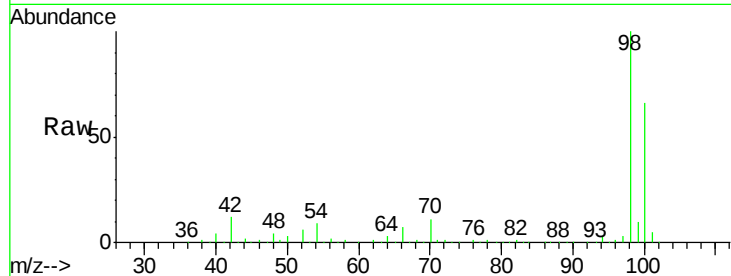
BU-02-031920RE

Tgt Ion: 98 Resp: 316061

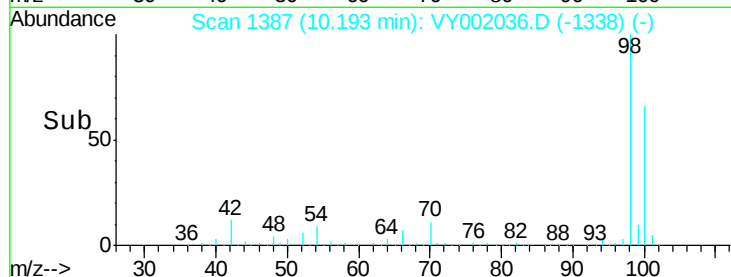
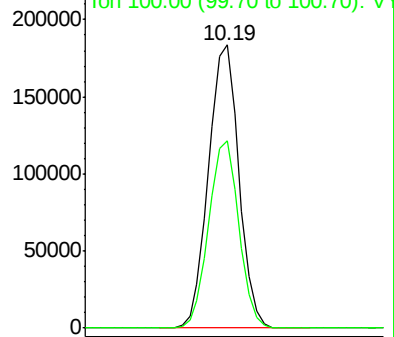
Ion Ratio Lower Upper

98 100

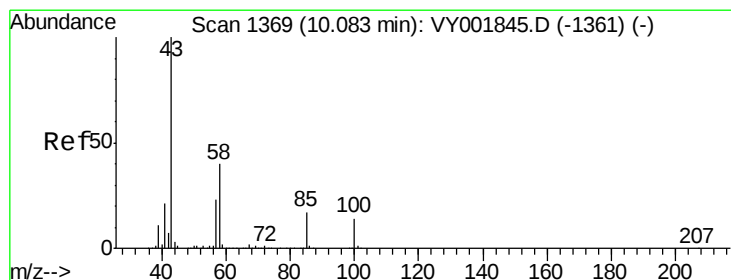
100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.13 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002036.D

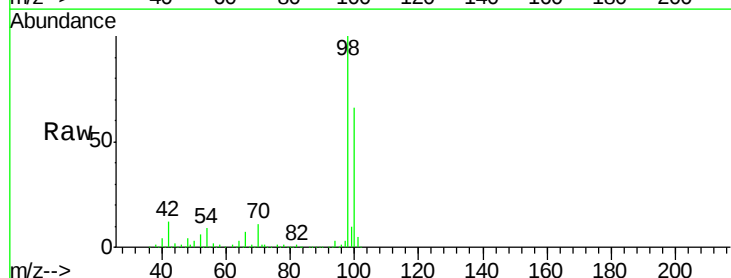
Acq: 20 Mar 2020 12:54

Tgt Ion: 43 Resp: 1607

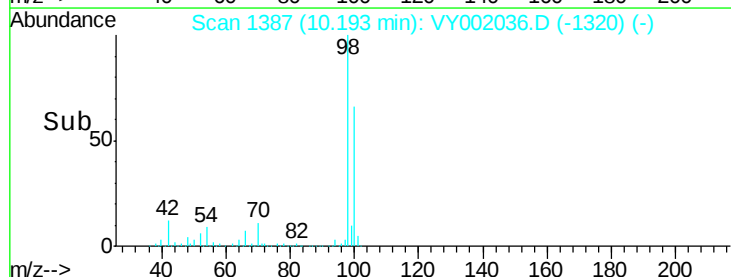
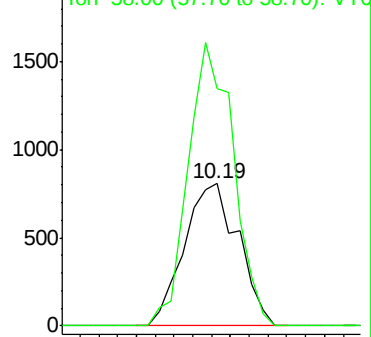
Ion Ratio Lower Upper

43 100

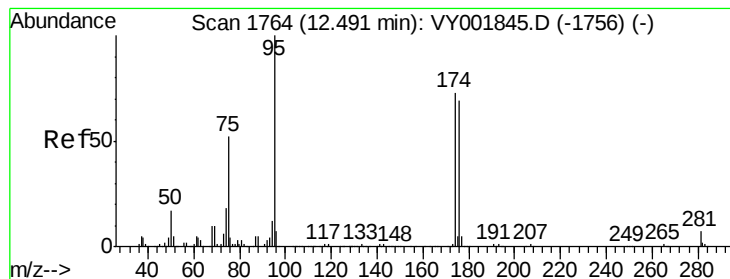
58 166.4 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 49.19 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

BU-02-031920RE

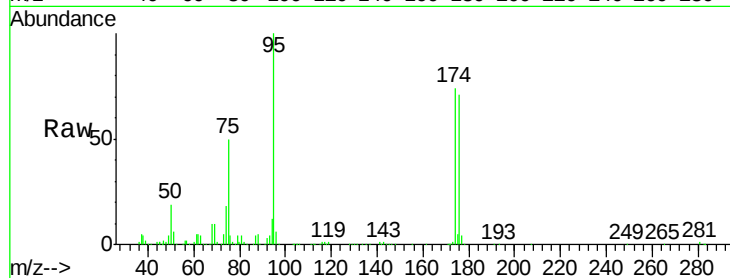
Tgt Ion: 95 Resp: 103096

Ion Ratio Lower Upper

95 100

174 72.1 0.0 145.0

176 69.2 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

12.49

80000

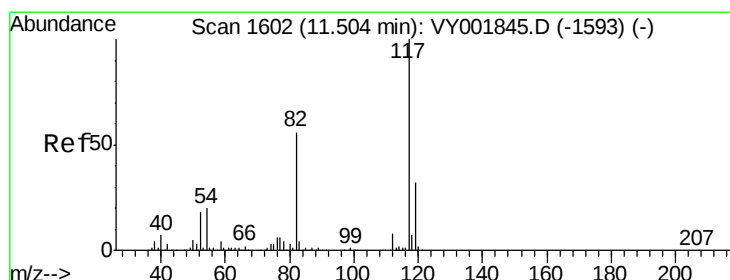
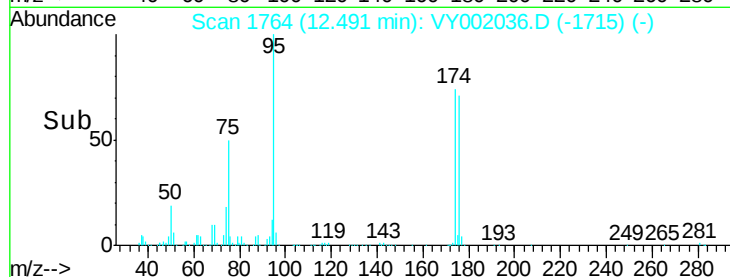
60000

40000

20000

0

Time--> 12.40 12.45 12.50 12.55



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

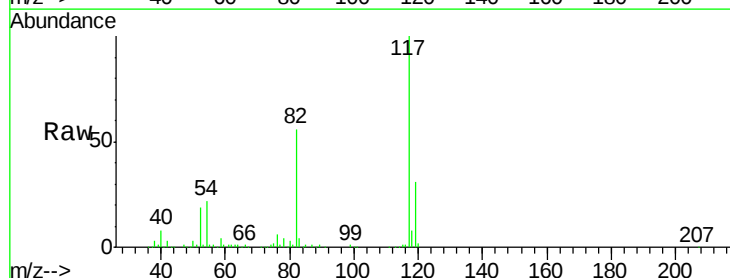
Tgt Ion: 117 Resp: 236561

Ion Ratio Lower Upper

117 100

82 56.5 44.5 66.7

119 31.4 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)

11.50

200000

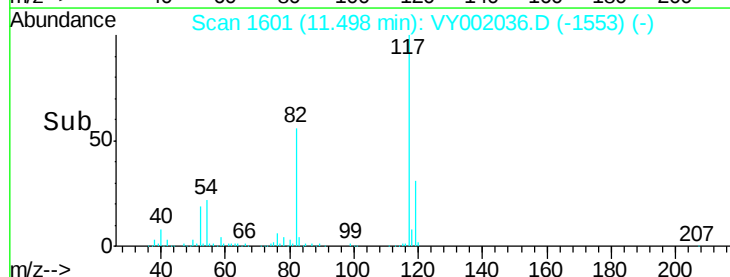
150000

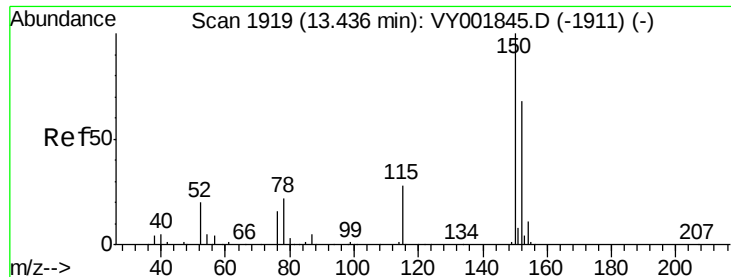
100000

50000

0

Time--> 11.40 11.50 11.60





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

BU-02-031920RE

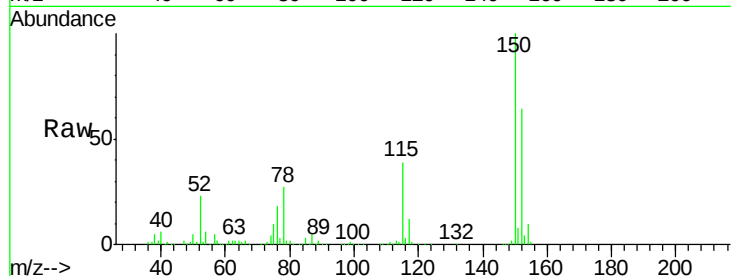
Tgt Ion:152 Resp: 90713

Ion Ratio Lower Upper

152 100

115 60.6 29.9 89.7

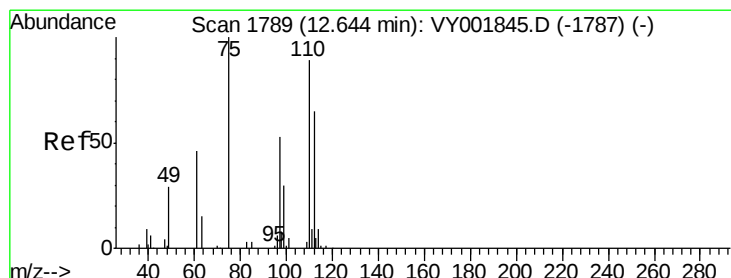
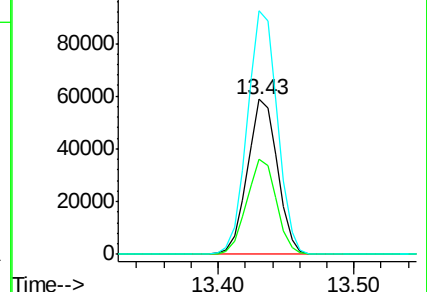
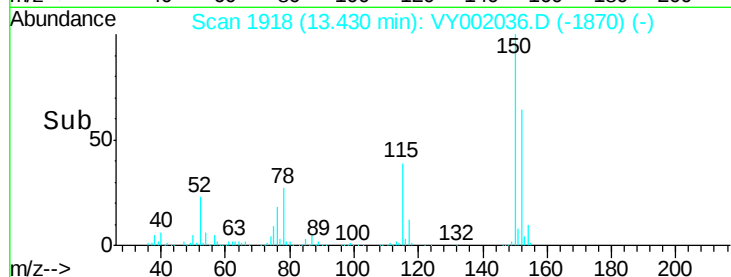
150 157.4 0.0 340.6



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



#76

1,2,3-Trichloropropane

Concen: 49.75 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY002036.D

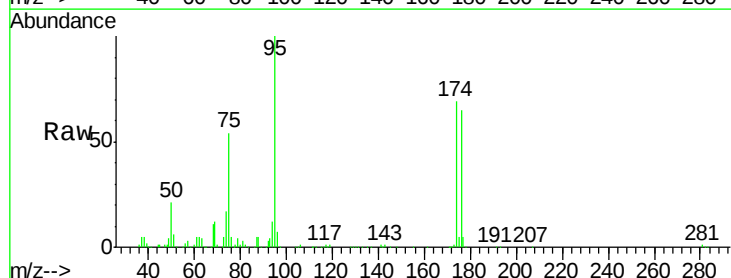
Acq: 20 Mar 2020 12:54

Tgt Ion: 75 Resp: 53549

Ion Ratio Lower Upper

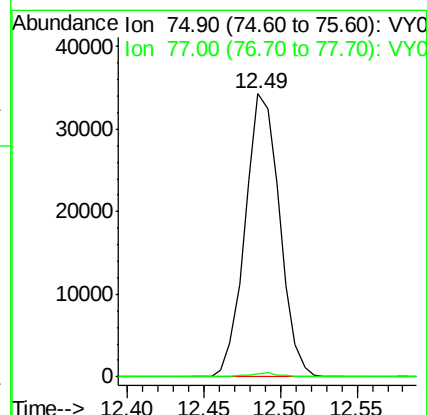
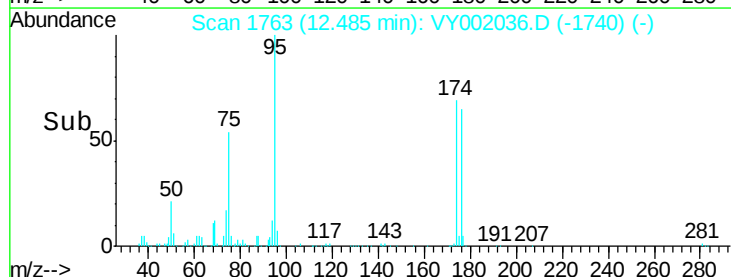
75 100

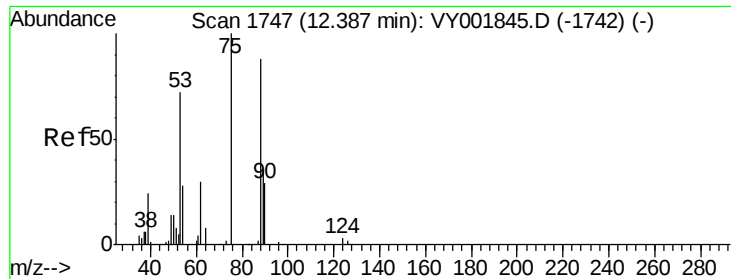
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 100.49 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002036.D

Acq: 20 Mar 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

BU-02-031920RE

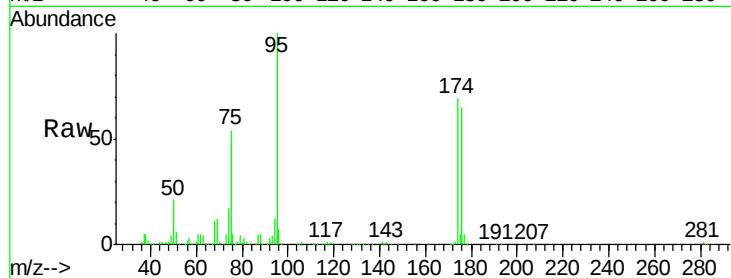
Tgt Ion: 75 Resp: 53549

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.3 36.0 54.0#



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

