

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002017.D
 Acq On : 19 Mar 2020 13:37
 Operator : SY/MD
 Sample : L1978-06
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 20 01:56:14 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	7.82	168	88391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	155931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	133337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	55297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	46431	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	7.74	113	44955	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
50) Toluene-d8	10.19	98	187449	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.49	95	57909	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	

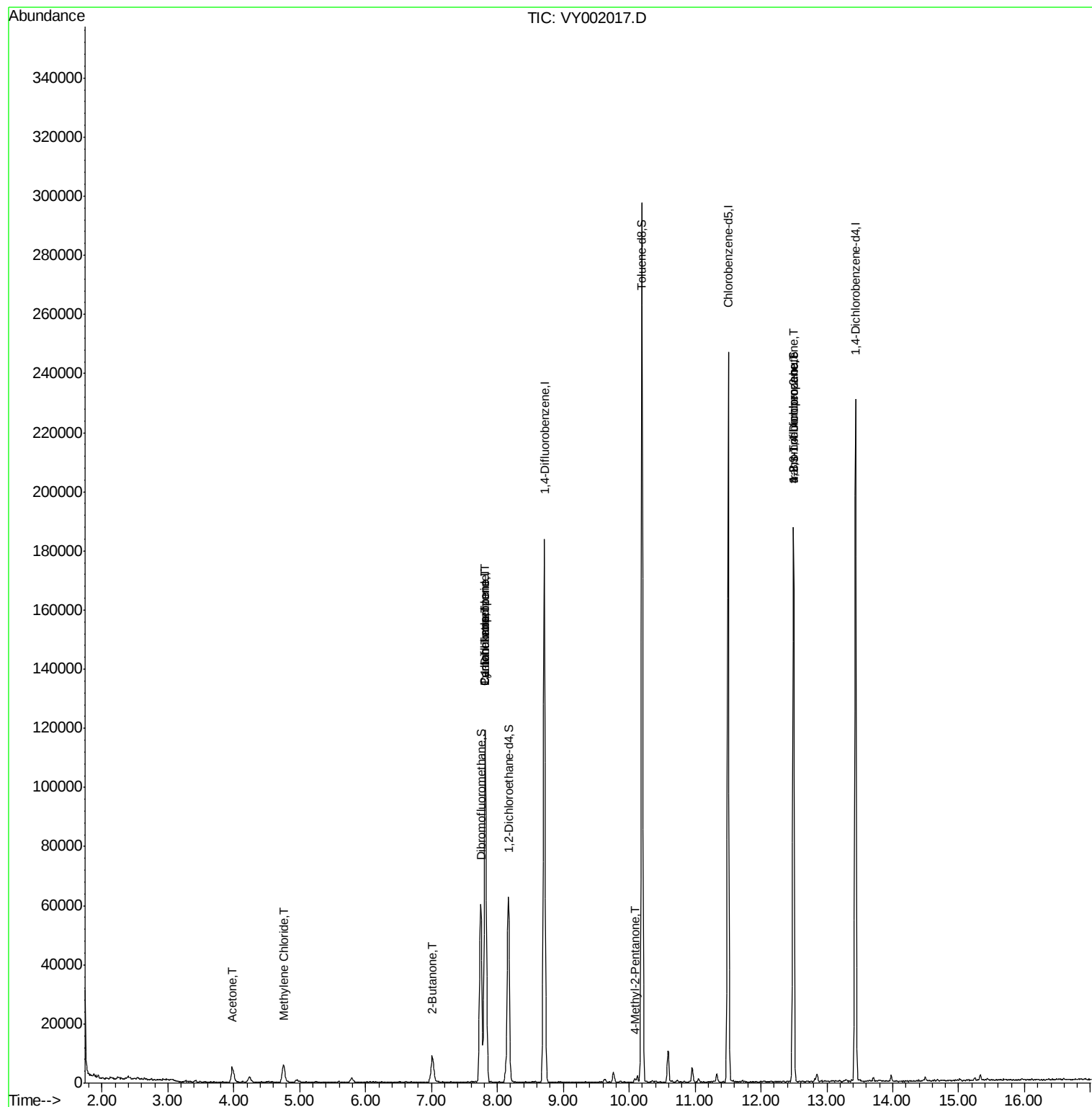
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	61	Below Cal		81
11) Tert butyl alcohol	4.96	59	90	Below Cal	#	74
16) Acetone	3.98	43	9094	33.088	ug/l	94
20) Methylene Chloride	4.76	84	4160	3.532	ug/l	93
25) 2-Butanone	7.02	43	3103	7.424	ug/l	# 82
31) Cyclohexane	7.82	56	2197	1.060	ug/l	# 10
36) 1,1-Dichloropropene	7.82	75	7703	5.134	ug/l	# 50
38) Carbon Tetrachloride	7.82	117	8702	6.789	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.09	43	966	1.136	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	29898	45.567	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	29898	92.043	ug/l	# 17

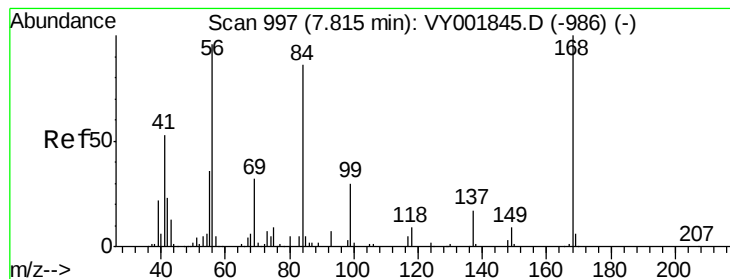
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002017.D

Acq: 19 Mar 2020 13:37

Instrument :

MSVOA_Y

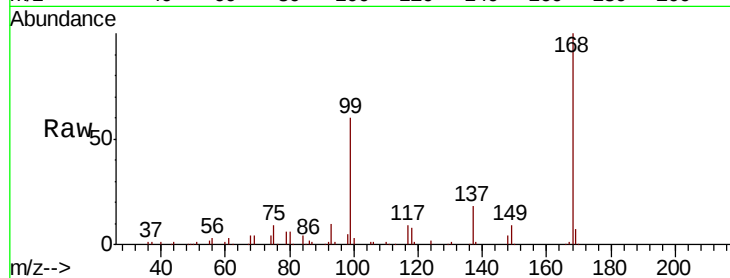
ClientSampleId :

Tot Ion:168 Resp: 88391

Ion Ratio Lower Upper

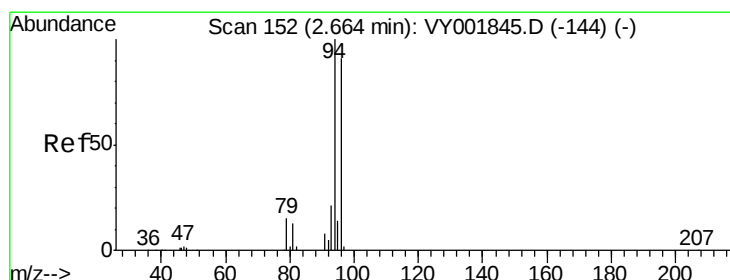
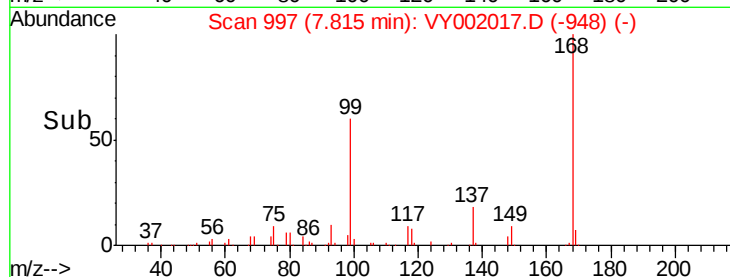
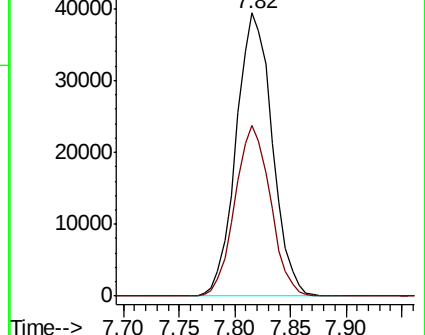
168 100

99 60.5 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: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY002017.D

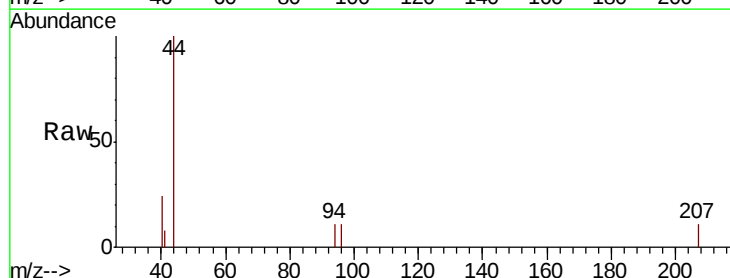
Acq: 19 Mar 2020 13:37

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

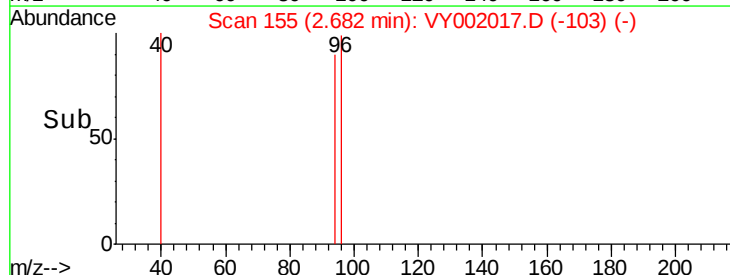
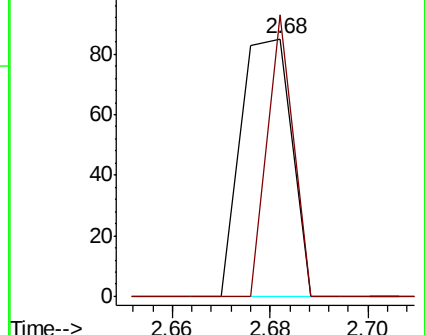
94 100

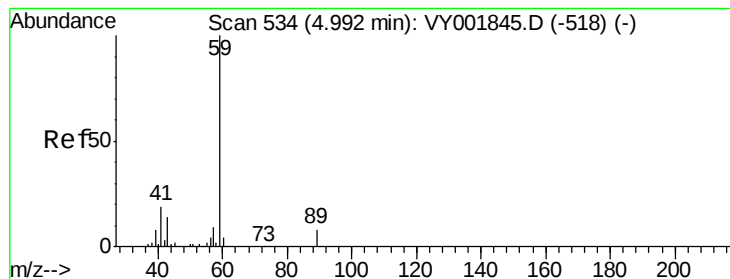
96 109.4 73.2 109.8



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

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



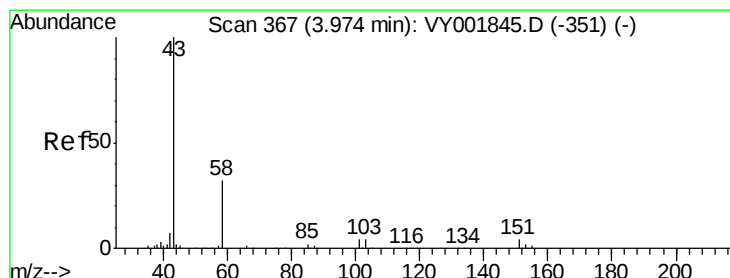
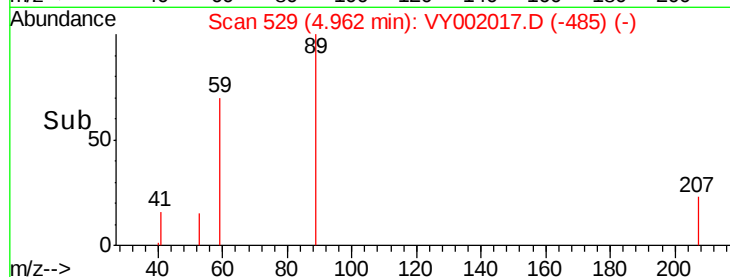
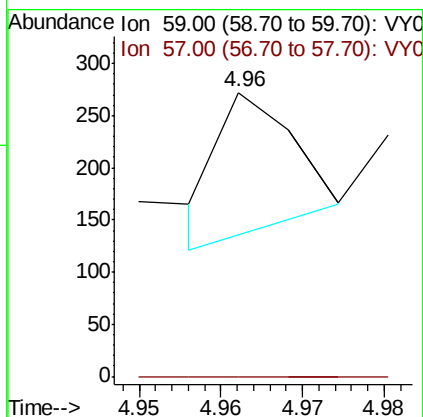
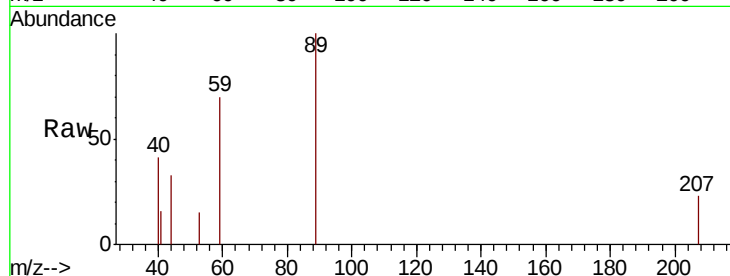


#11

Tert butyl alcohol
Concen: Below Cal
RT: 4.96 min Scan# 529
Delta R.T. -0.03 min
Lab File: VY002017.D
Acq: 19 Mar 2020 13:37

Instrument :
MSVOA_Y
ClientSampled :

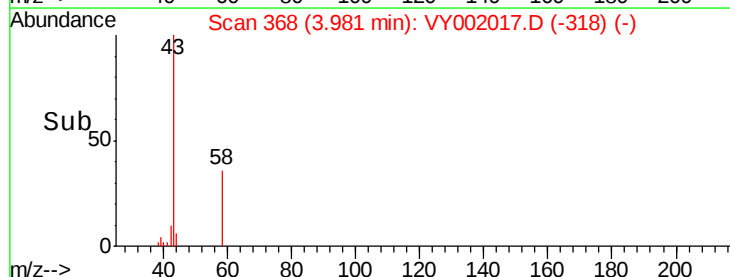
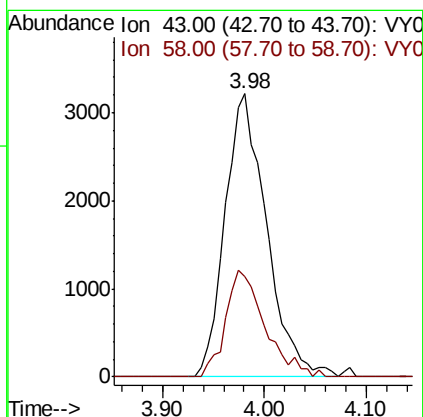
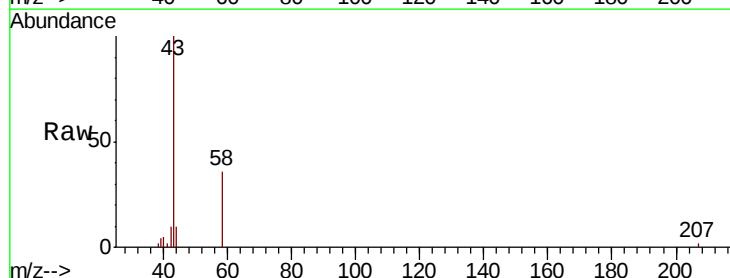
Tot Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

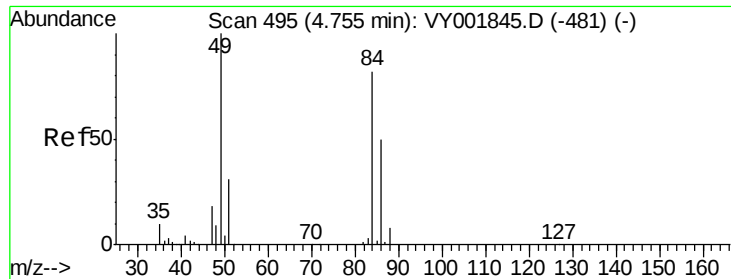


#16

Acetone
Concen: 33.088 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY002017.D
Acq: 19 Mar 2020 13:37

Tgt Ion: 43 Resp: 9094
Ion Ratio Lower Upper
43 100
58 35.6 25.9 38.9

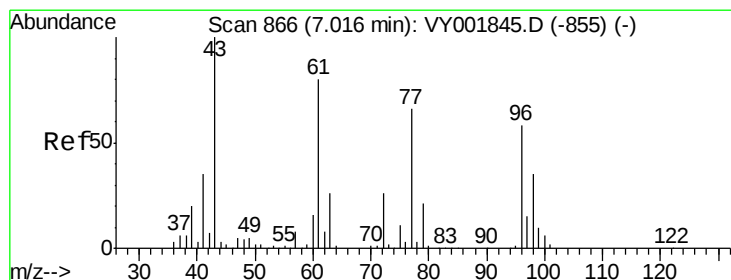
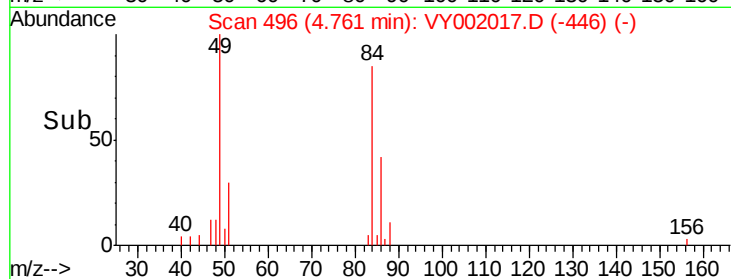
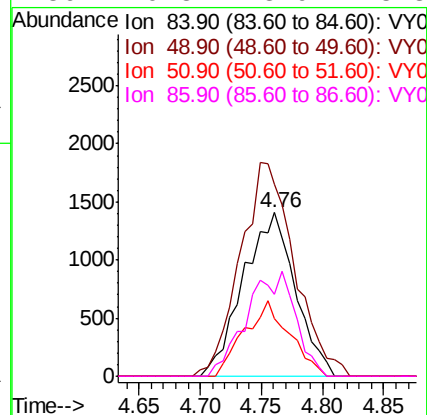
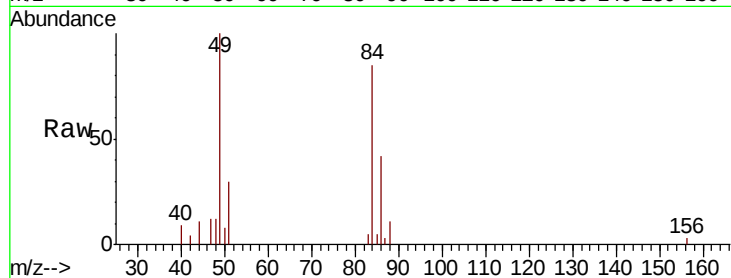




#20
Methvlene Chloride
Concen: 3.532 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY002017.D
Acq: 19 Mar 2020 13:37

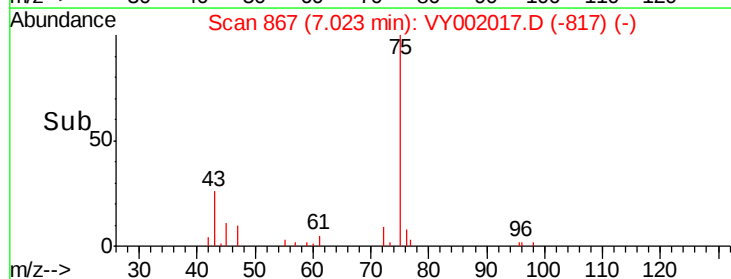
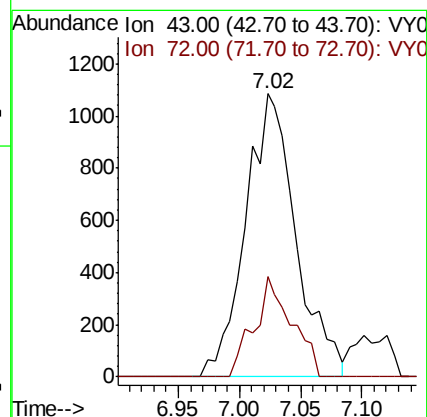
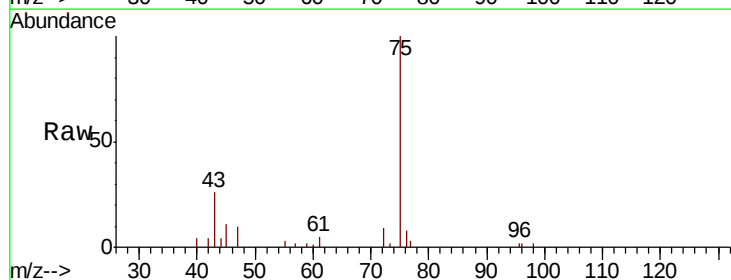
Instrument :
MSVOA_Y
ClientSampleId :

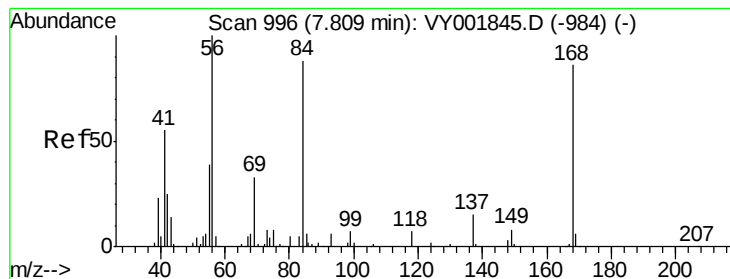
Tot Ion: 84 Resp: 4160
Ion Ratio Lower Upper
84 100
49 117.9 98.2 147.2
51 35.5 30.2 45.2
86 49.8 48.9 73.3



#25
2-Butanone
Concen: 7.424 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY002017.D
Acq: 19 Mar 2020 13:37

Tgt Ion: 43 Resp: 3103
Ion Ratio Lower Upper
43 100
72 35.4 20.9 31.3#





#31

Cyclohexane

Concen: 1.060 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002017.D

Acq: 19 Mar 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

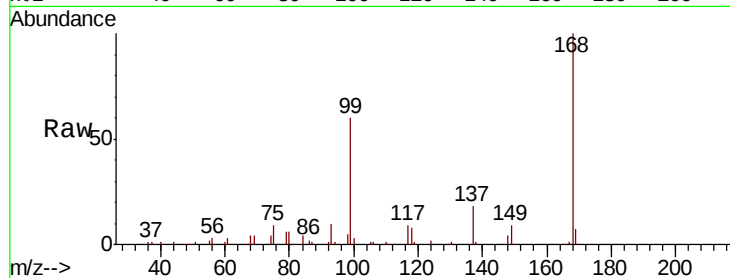
Tot Ion: 56 Resp: 2197

Ion Ratio Lower Upper

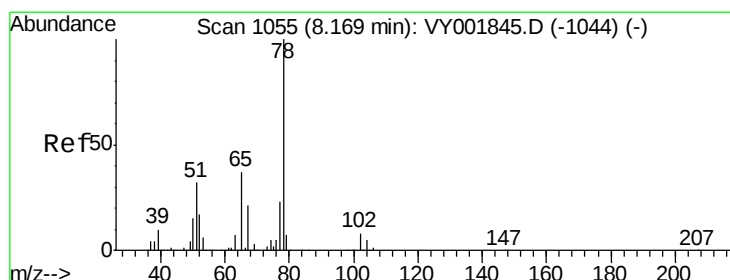
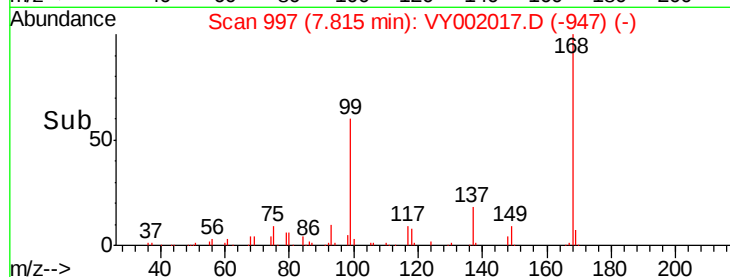
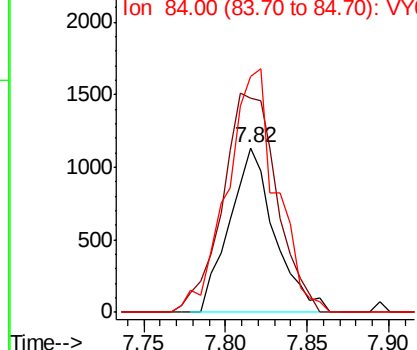
56 100

69 130.2 26.7 40.1#

84 143.3 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: 49.205 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY002017.D

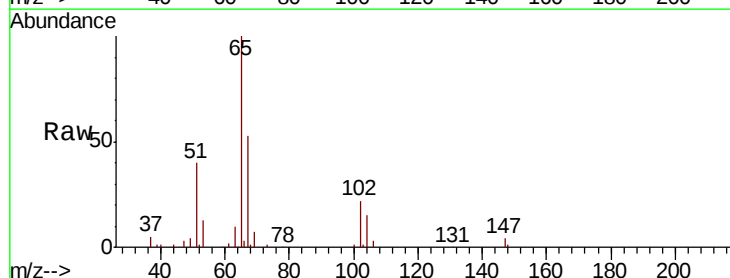
Acq: 19 Mar 2020 13:37

Tgt Ion: 65 Resp: 46431

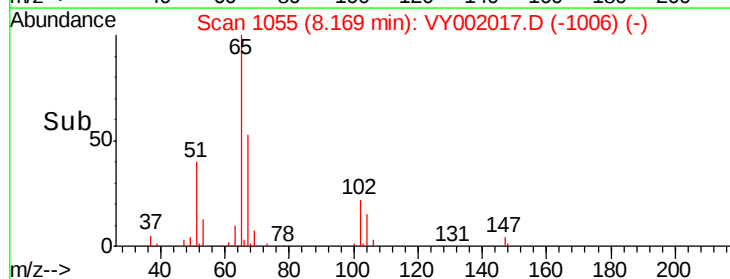
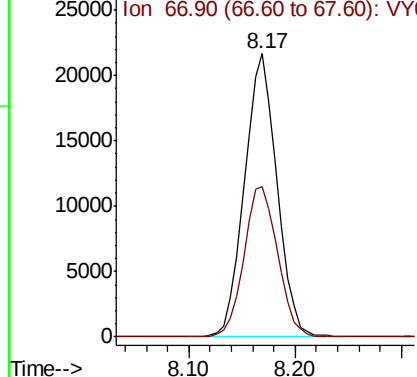
Ion Ratio Lower Upper

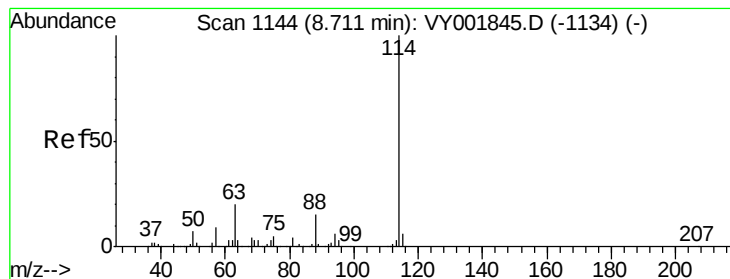
65 100

67 55.0 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: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002017.D

Acq: 19 Mar 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

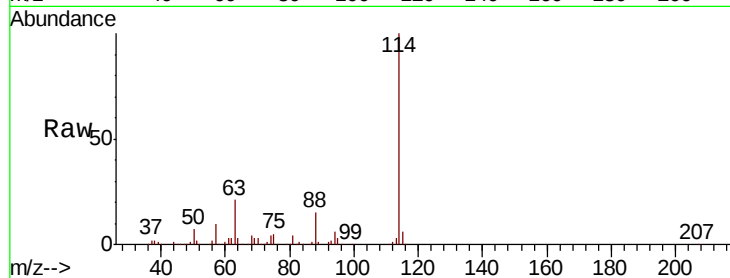
Tot Ion:114 Resp: 155931

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.4

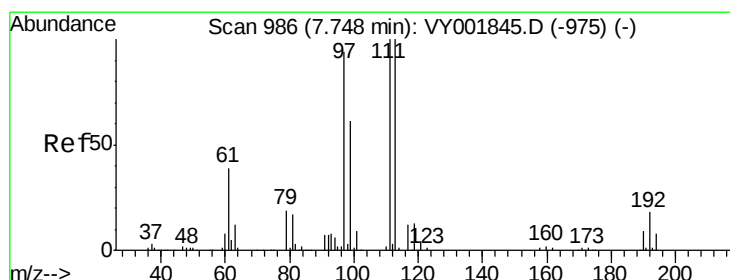
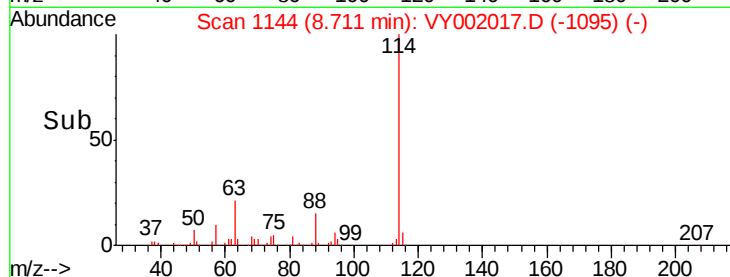
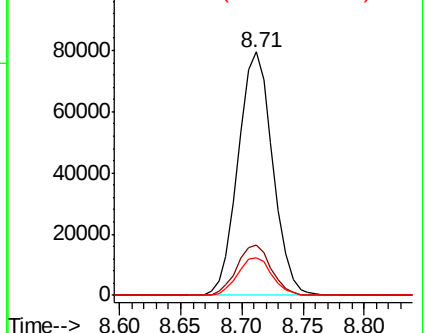
88 15.5 0.0 30.4



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: 52.798 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002017.D

Acq: 19 Mar 2020 13:37

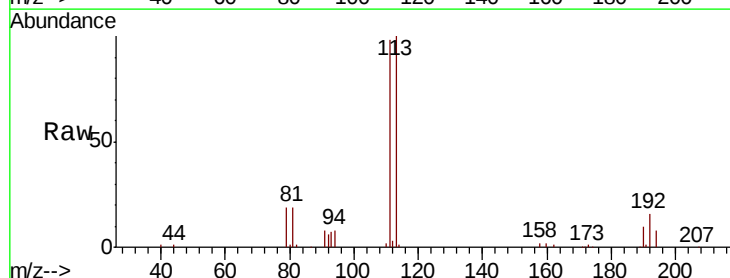
Tgt Ion:113 Resp: 44955

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

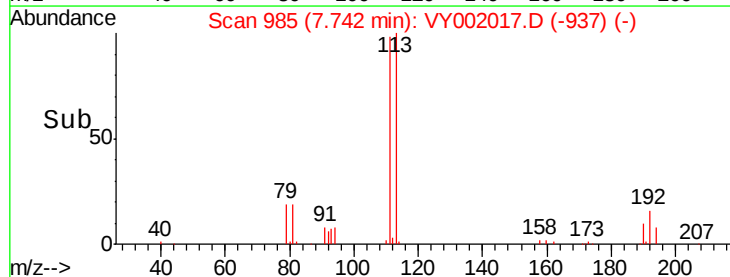
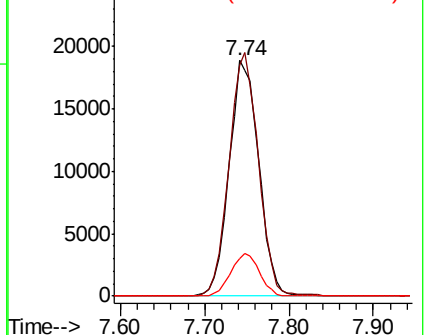
192 17.4 14.2 21.2

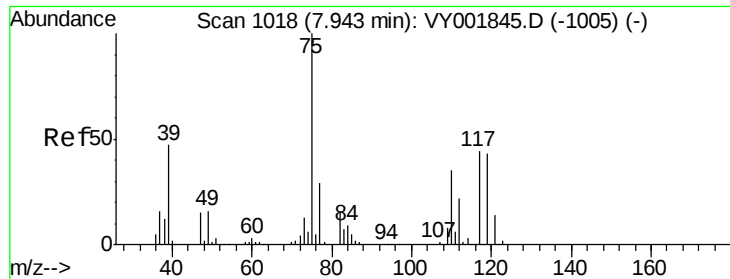


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

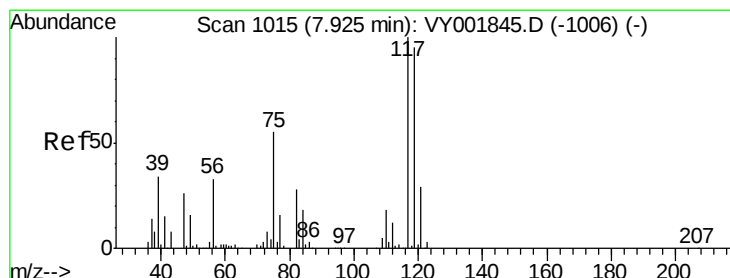
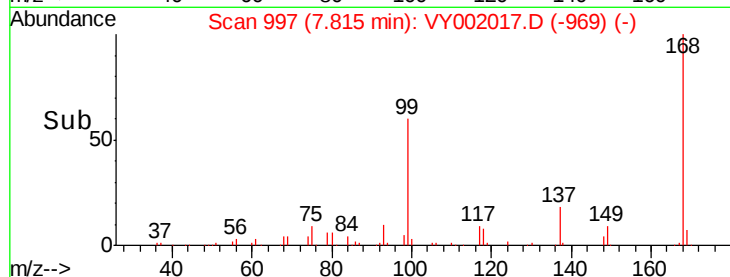
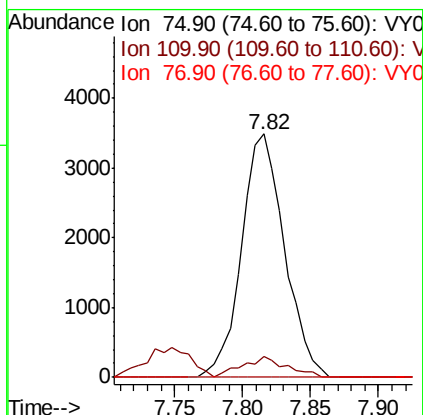
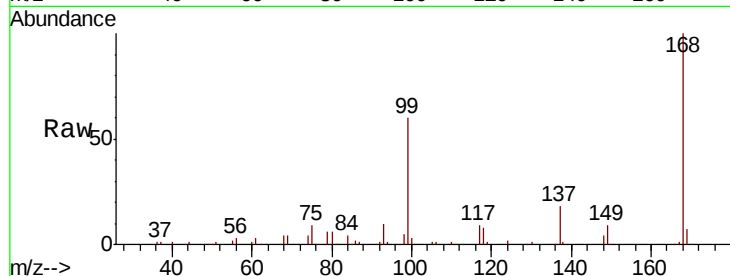




#36
 1,1-Dichloropropene
 Concen: 5.134 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY002017.D
 Acq: 19 Mar 2020 13:37

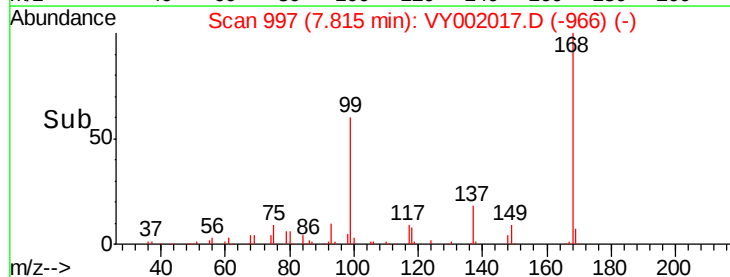
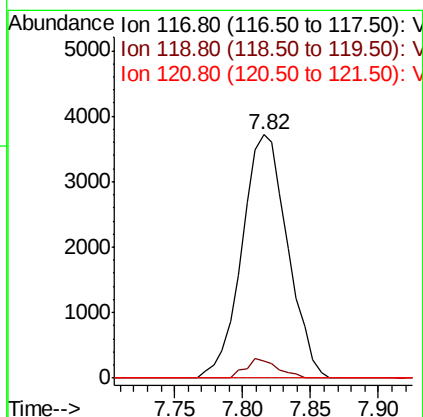
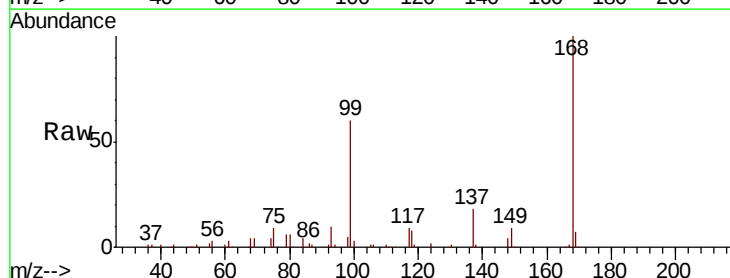
Instrument :
 MSVOA_Y
 ClientSampleId :

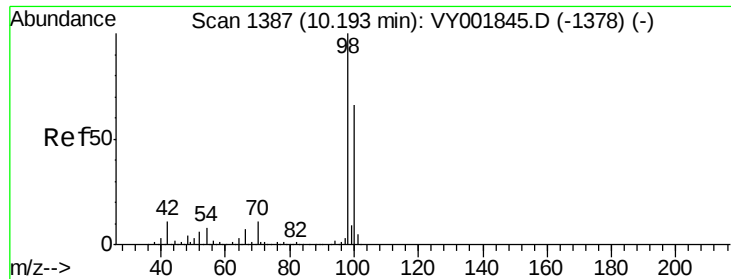
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.789 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY002017.D
 Acq: 19 Mar 2020 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.208 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002017.D

Acq: 19 Mar 2020 13:37

Instrument :

MSVOA_Y

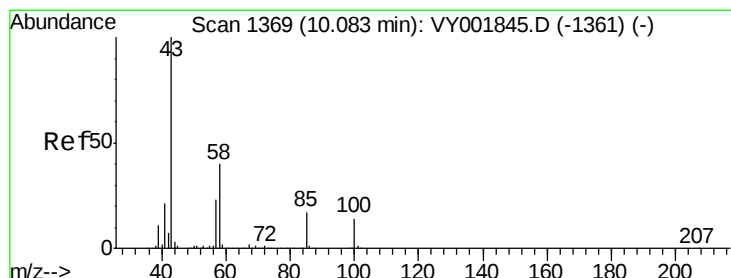
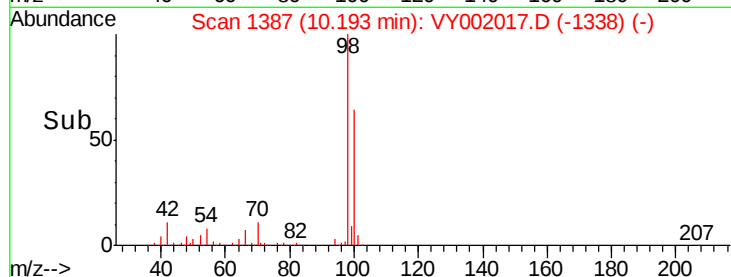
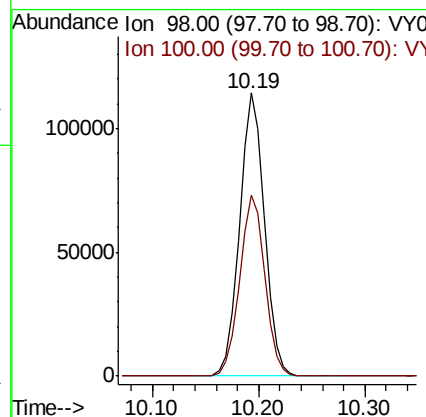
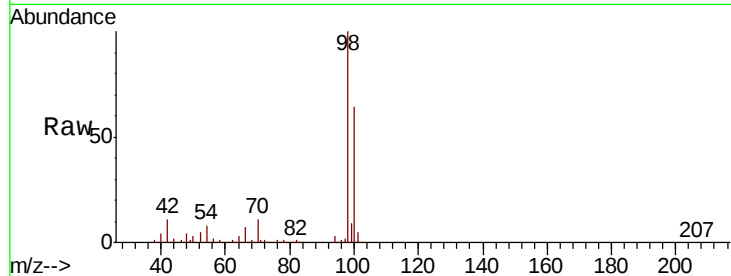
ClientSampleId :

Tot Ion: 98 Resp: 187449

Ion Ratio Lower Upper

98 100

100 64.9 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 1.136 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002017.D

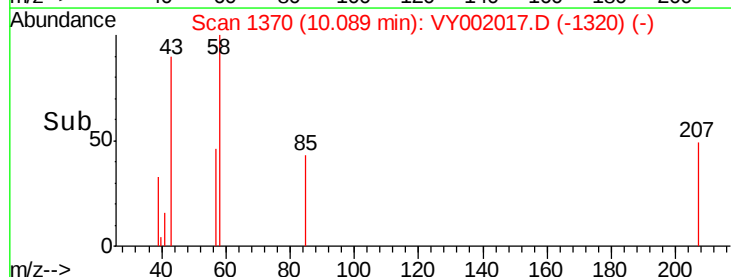
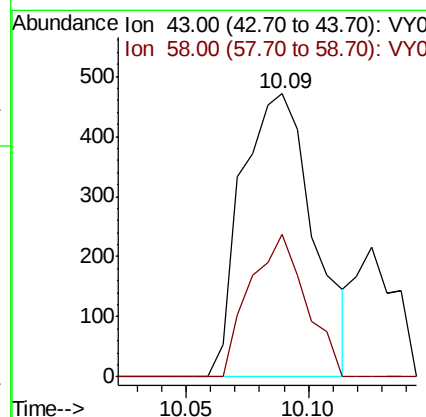
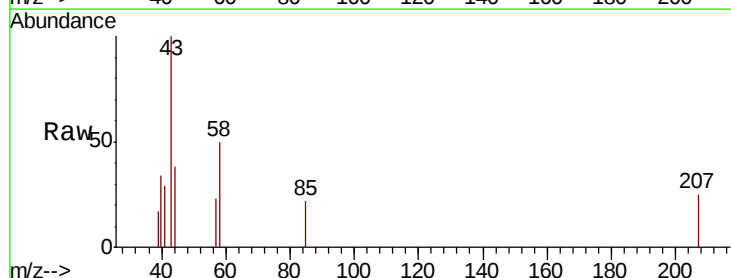
Acq: 19 Mar 2020 13:37

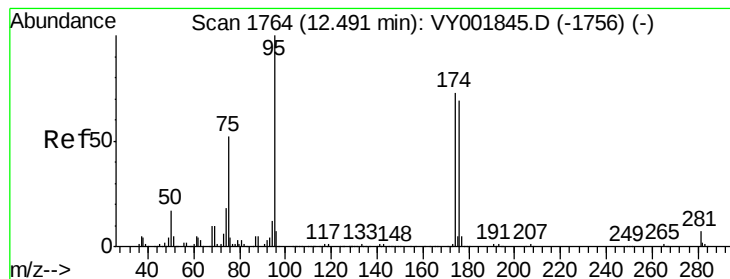
Tgt Ion: 43 Resp: 966

Ion Ratio Lower Upper

43 100

58 39.4 32.0 48.0





#62

4-Bromofluorobenzene

Concen: 46.385 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002017.D

Acq: 19 Mar 2020 13:37

Instrument :

MSVOA_Y

ClientSampled :

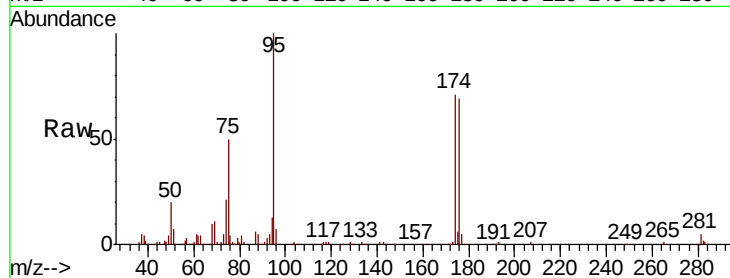
Tot Ion: 95 Resp: 57909

Ion Ratio Lower Upper

95 100

174 73.0 0.0 145.0

176 71.0 0.0 137.4



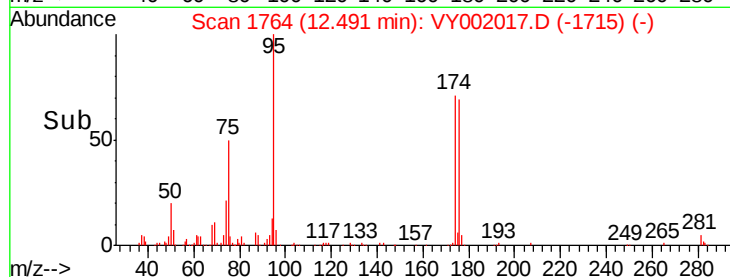
Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

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

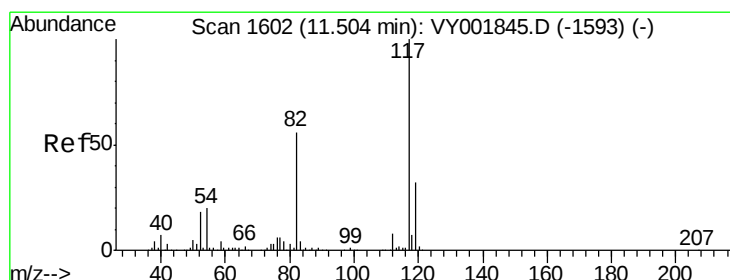
Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

12.49

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY002017.D

Acq: 19 Mar 2020 13:37

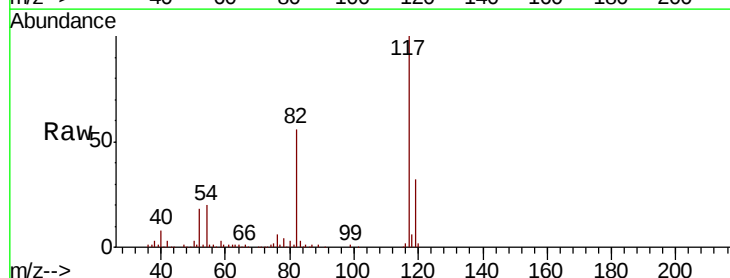
Tgt Ion: 117 Resp: 133337

Ion Ratio Lower Upper

117 100

82 55.9 44.5 66.7

119 32.3 25.7 38.5



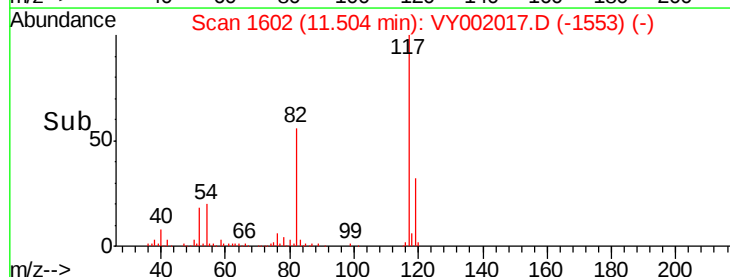
Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

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

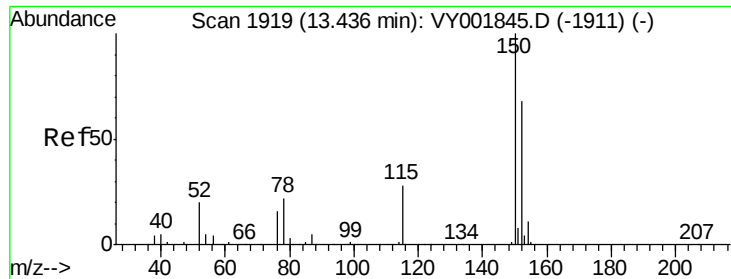
Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)

11.50

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002017.D

Acq: 19 Mar 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

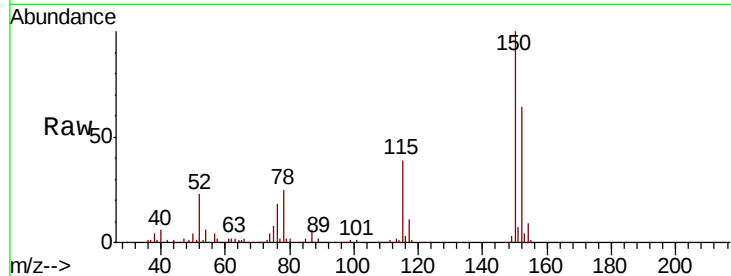
Tot Ion:152 Resp: 55297

Ion Ratio Lower Upper

152 100

115 61.2 29.9 89.7

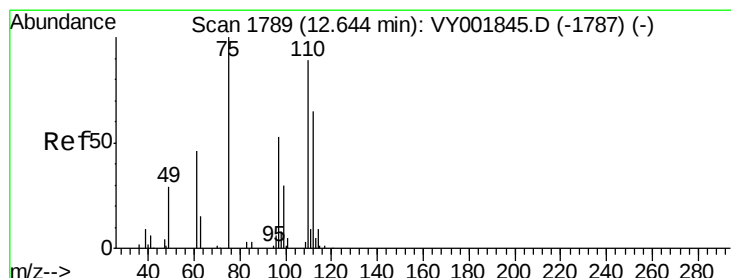
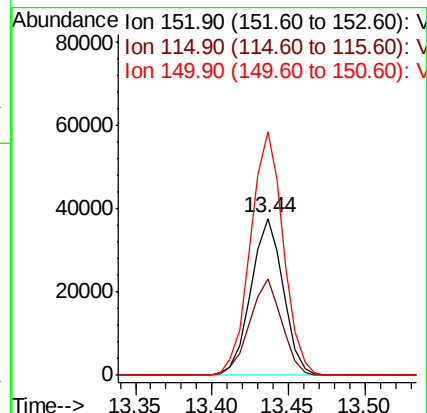
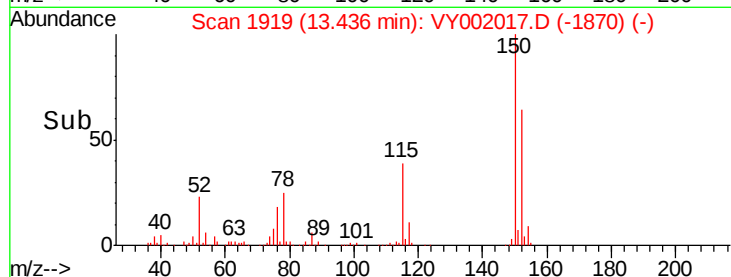
150 158.2 0.0 340.6



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: 45.567 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002017.D

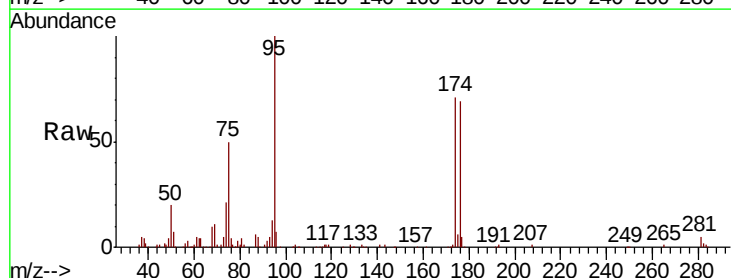
Acq: 19 Mar 2020 13:37

Tgt Ion: 75 Resp: 29898

Ion Ratio Lower Upper

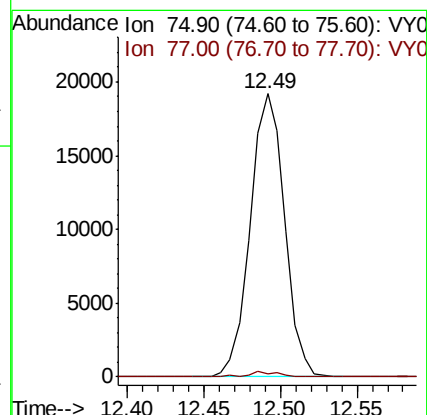
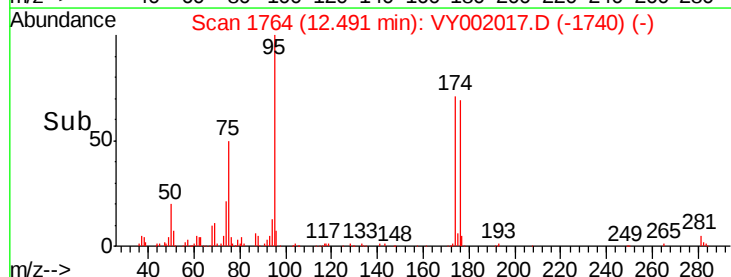
75 100

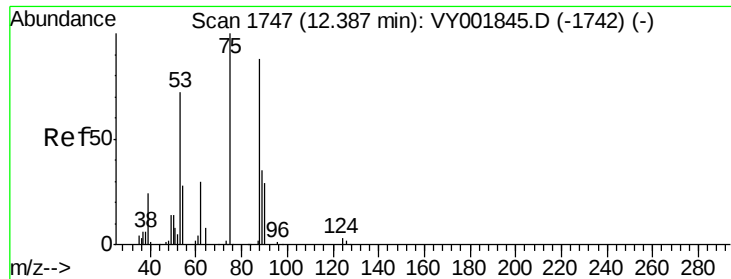
77 1.4 0.0 0.0#



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: 92.043 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002017.D

Acq: 19 Mar 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 29898

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#

