

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002003.D
 Acq On : 18 Mar 2020 10:48
 Operator : SY/MD
 Sample : VY0318SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 19 01:24:30 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	142518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	271549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	248450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	108219	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	85013	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
35) Dibromofluoromethane	7.74	113	79160	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
50) Toluene-d8	10.19	98	329751	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.49	95	112367	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	

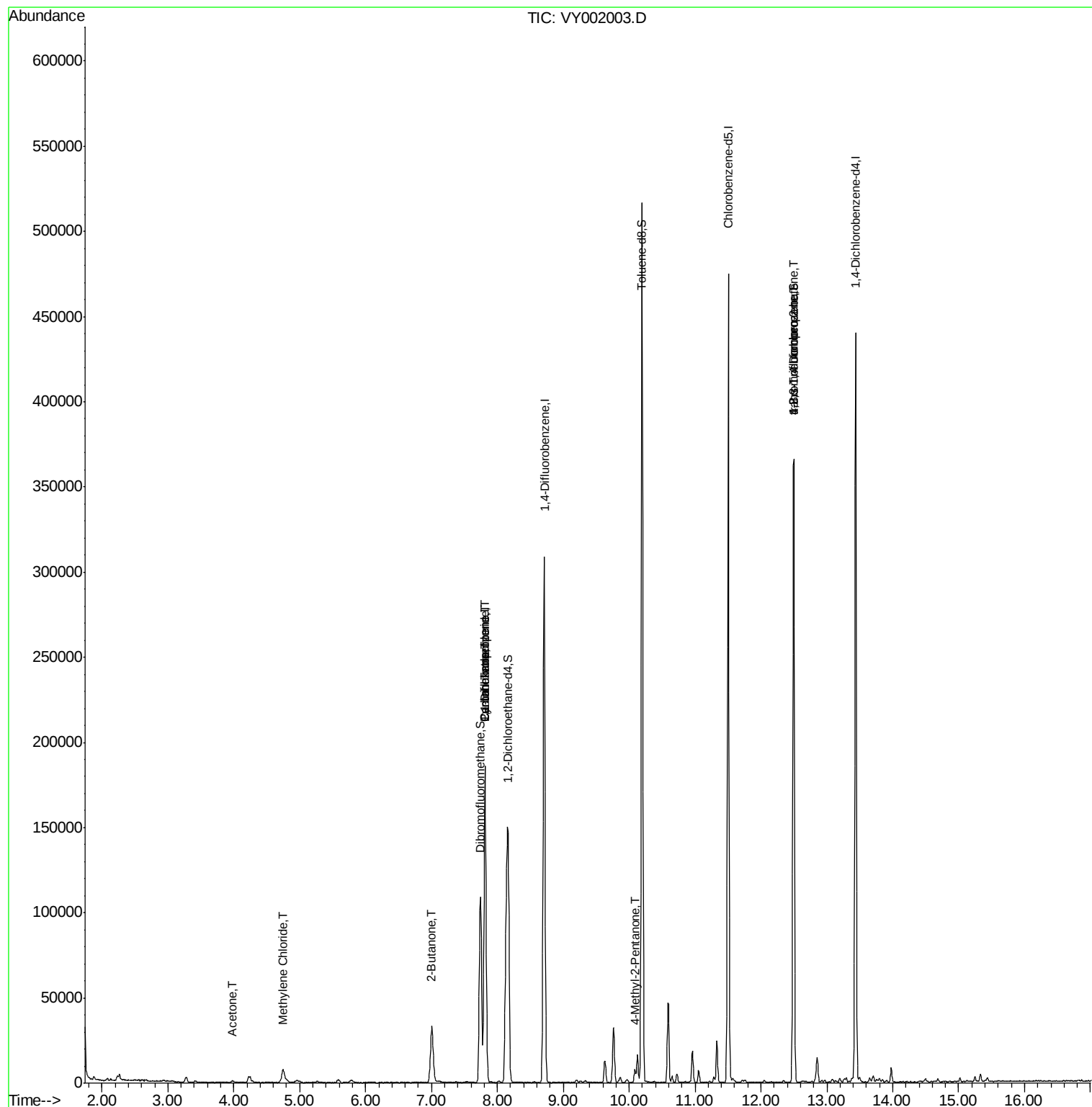
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.67	94	171	Below Cal	#	64
11) Tert butyl alcohol	4.97	59	1301	Below Cal	#	74
16) Acetone	3.98	43	1760	3.972	ug/l #	87
20) Methylene Chloride	4.75	84	4990	2.627	ug/l	97
25) 2-Butanone	7.00	43	2025	3.005	ug/l #	67
31) Cyclohexane	7.82	56	3406	1.019	ug/l #	3
36) 1,1-Dichloropropene	7.82	75	12215	4.674	ug/l #	49
38) Carbon Tetrachloride	7.81	117	14355	6.431	ug/l #	16
51) 4-Methyl-2-Pentanone	10.09	43	5722	3.863	ug/l	93
76) 1,2,3-Trichloropropane	12.49	75	57019	44.404	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	57019	89.694	ug/l #	17

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

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QLast Update : Thu Mar 05 04:05:33 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002003.D

Acq: 18 Mar 2020 10:48

Instrument :

MSVOA_Y

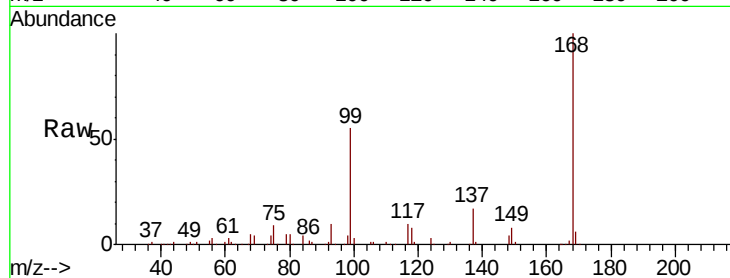
ClientSampleId :

Tot Ion:168 Resp: 142518

Ion Ratio Lower Upper

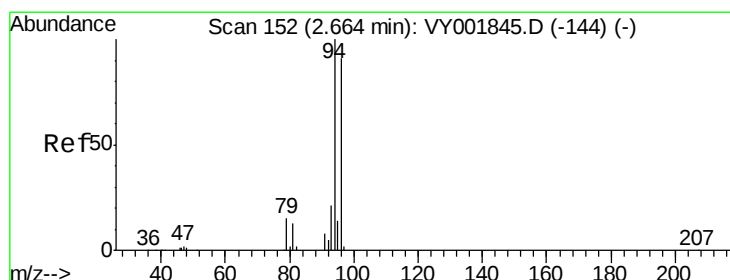
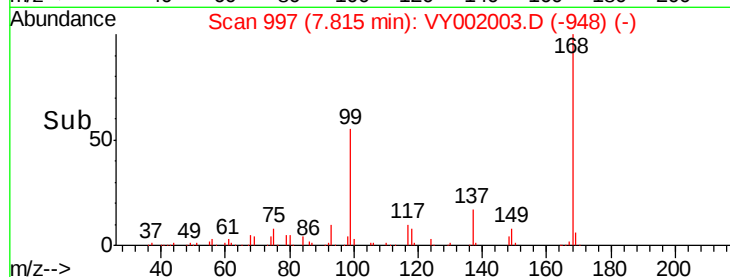
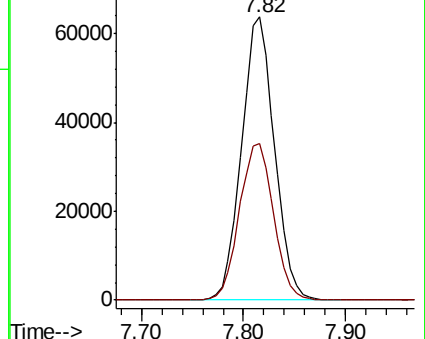
168 100

99 55.3 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: VY002003.D

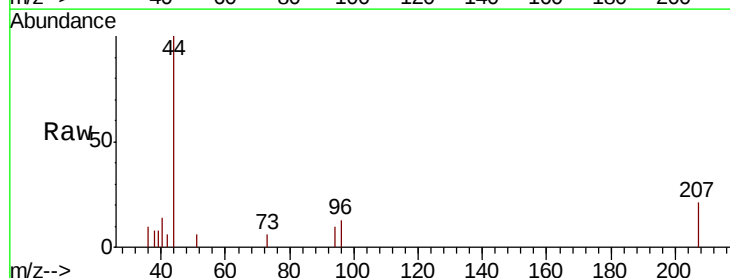
Acq: 18 Mar 2020 10:48

Tgt Ion: 94 Resp: 171

Ion Ratio Lower Upper

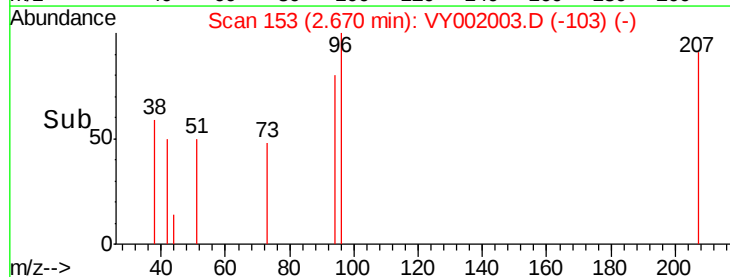
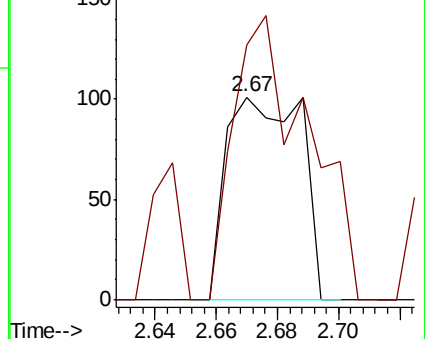
94 100

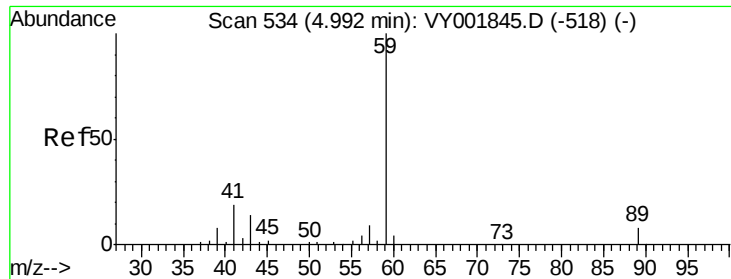
96 125.7 73.2 109.8#



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

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

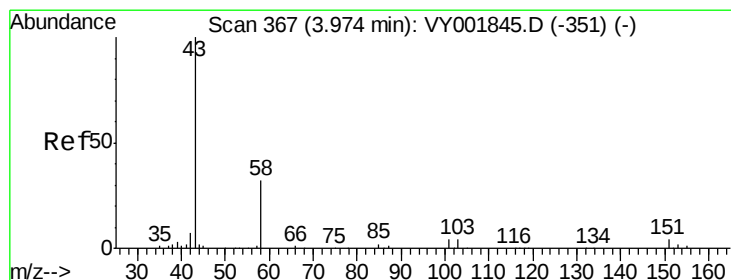
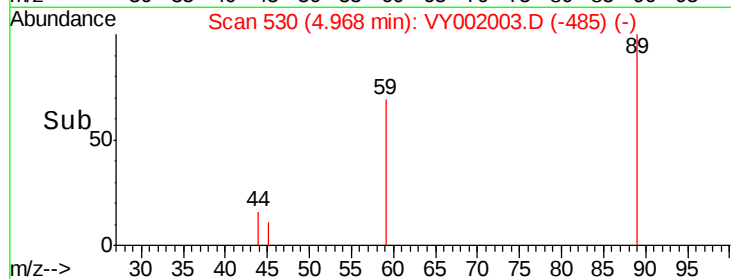
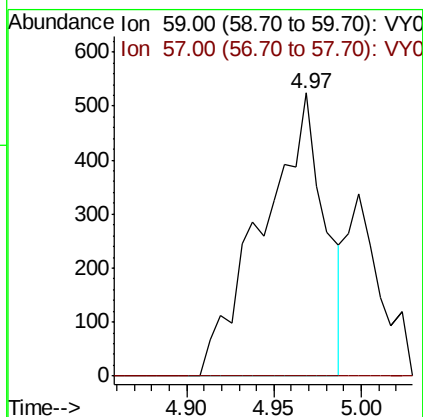
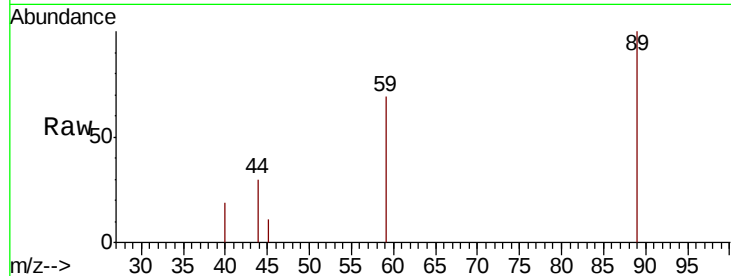




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.97 min Scan# 530
Delta R.T. -0.02 min
Lab File: VY002003.D
Acq: 18 Mar 2020 10:48

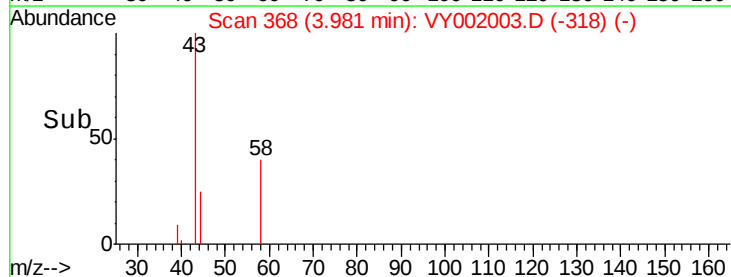
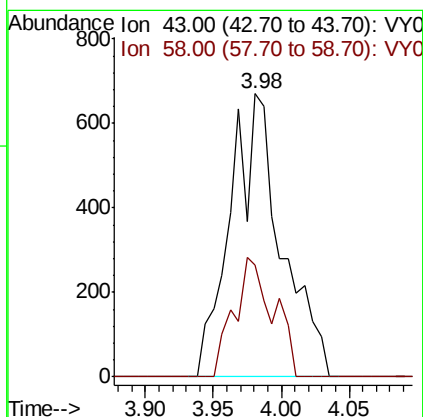
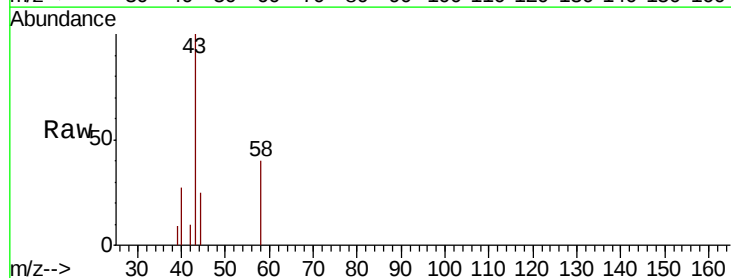
Instrument :
MSVOA_Y
ClientSampled :

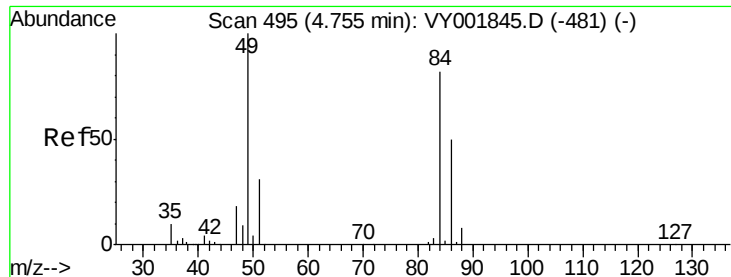
Tot Ion: 59 Resp: 1301
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 3.972 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY002003.D
Acq: 18 Mar 2020 10:48

Tgt Ion: 43 Resp: 1760
Ion Ratio Lower Upper
43 100
58 39.7 25.9 38.9#

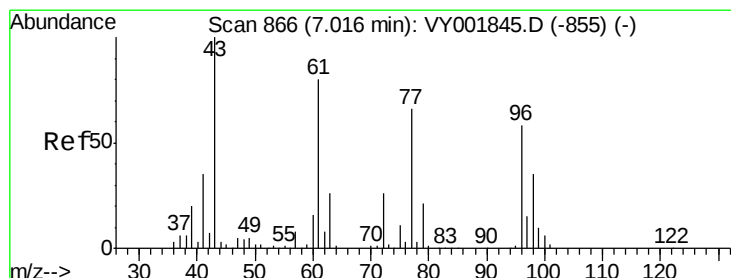
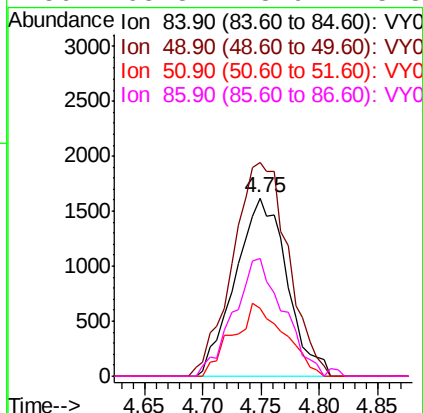
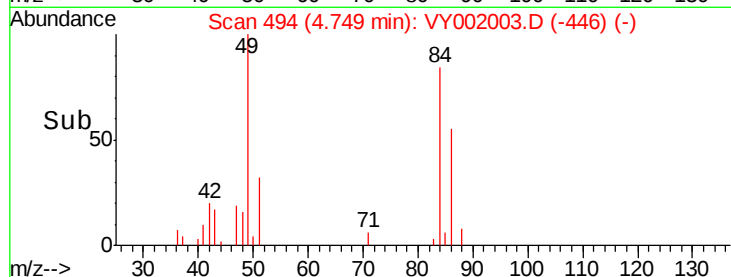
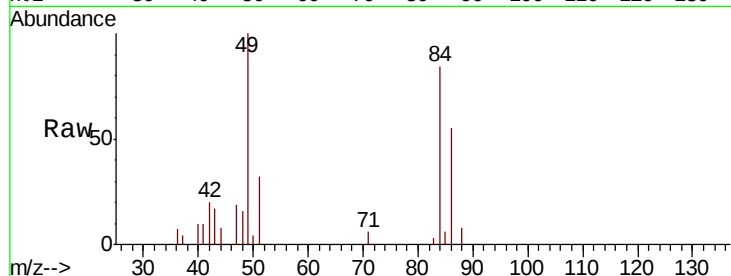




#20
Methvlene Chloride
Concen: 2.627 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002003.D
Acq: 18 Mar 2020 10:48

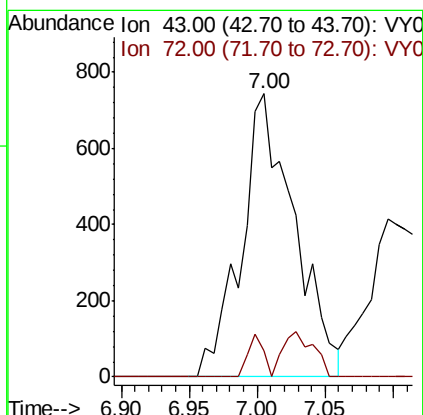
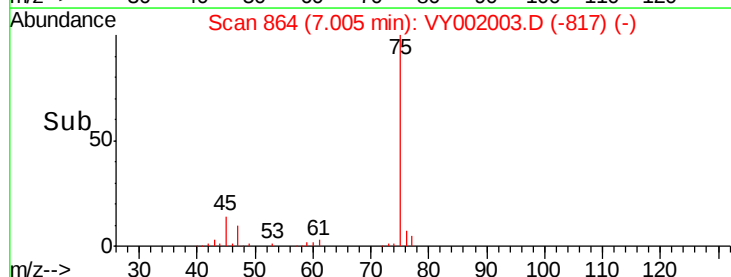
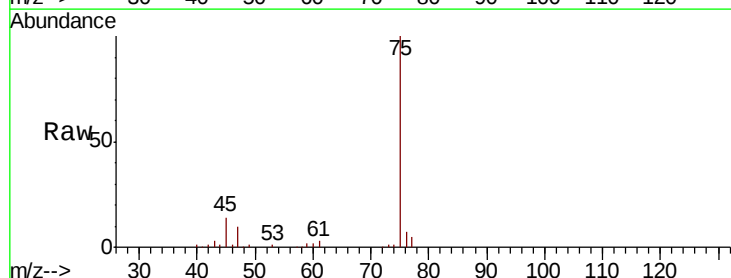
Instrument :
MSVOA_Y
ClientSampled :

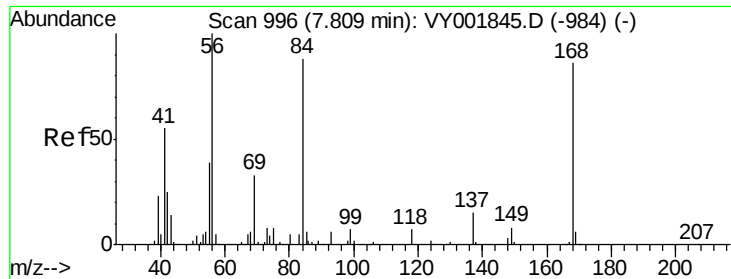
Tot Ion: 84 Resp: 4990
Ion Ratio Lower Upper
84 100
49 119.7 98.2 147.2
51 37.8 30.2 45.2
86 65.8 48.9 73.3



#25
2-Butanone
Concen: 3.005 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002003.D
Acq: 18 Mar 2020 10:48

Tgt Ion: 43 Resp: 2025
Ion Ratio Lower Upper
43 100
72 9.3 20.9 31.3#

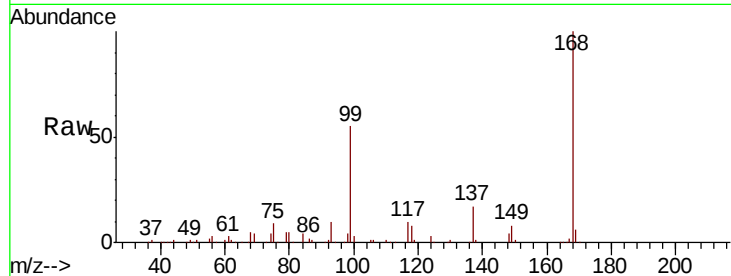




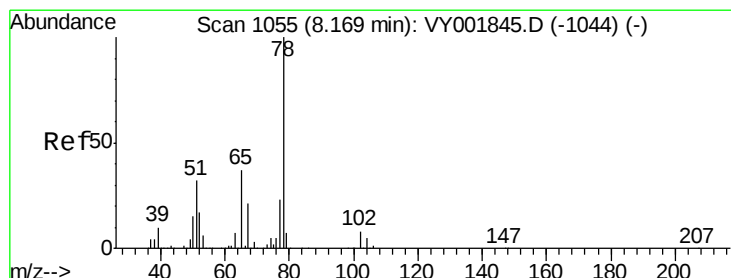
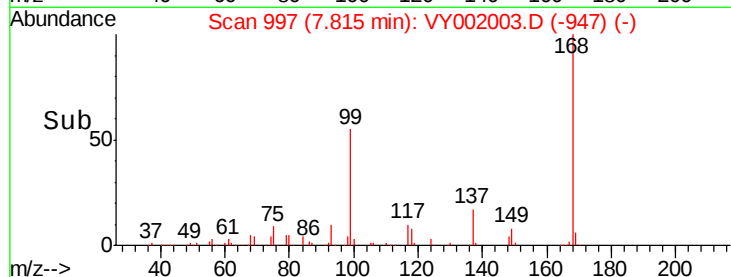
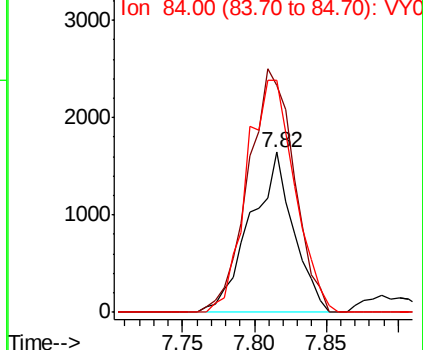
#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002003.D
Acq: 18 Mar 2020 10:48

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3406
Ion Ratio Lower Upper
56 100
69 141.4 26.7 40.1#
84 144.8 70.4 105.6#

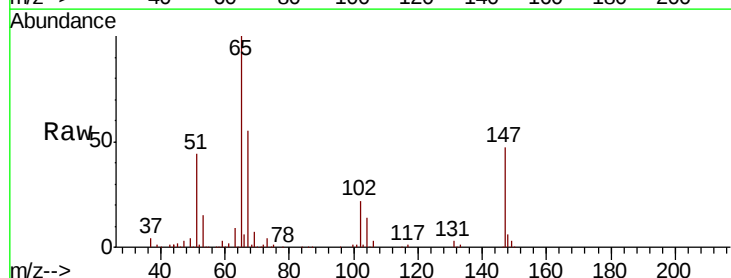


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

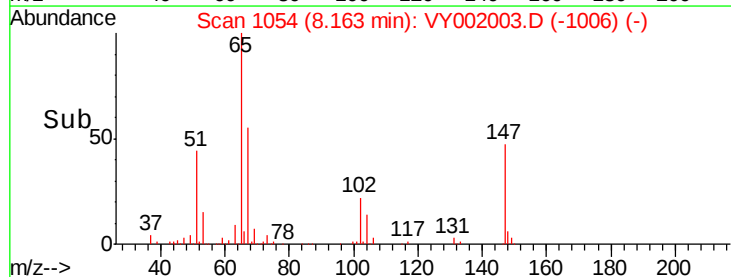
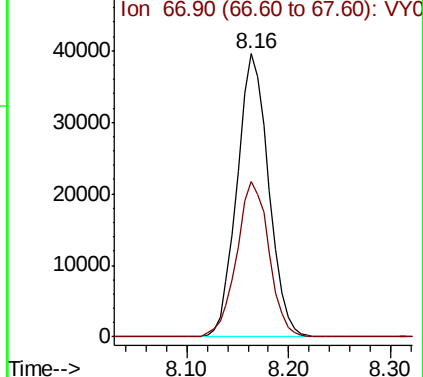


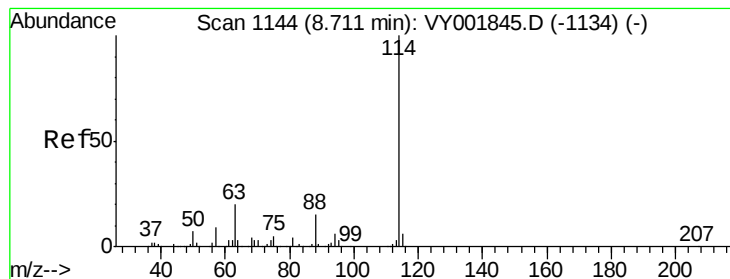
#33
1,2-Dichloroethane-d4
Concen: 55.875 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002003.D
Acq: 18 Mar 2020 10:48

Tgt Ion: 65 Resp: 85013
Ion Ratio Lower Upper
65 100
67 56.3 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: VY002003.D

Acq: 18 Mar 2020 10:48

Instrument :
MSVOA_Y
ClientSampleId :

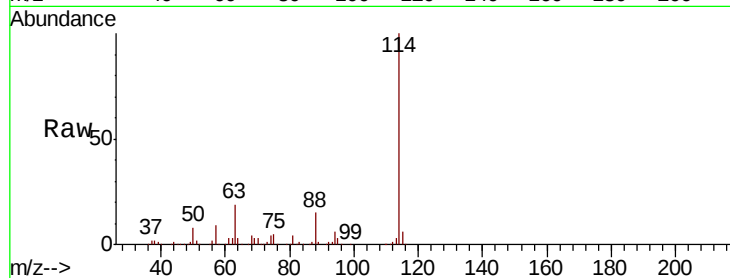
Tot Ion:114 Resp: 271549

Ion Ratio Lower Upper

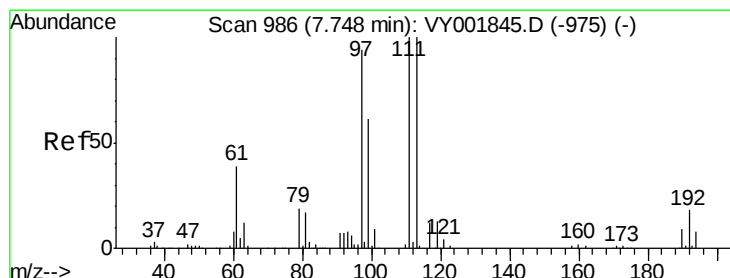
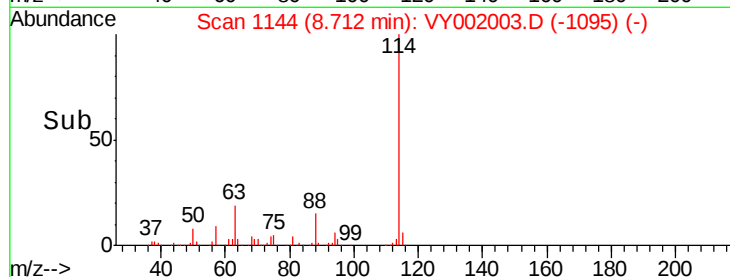
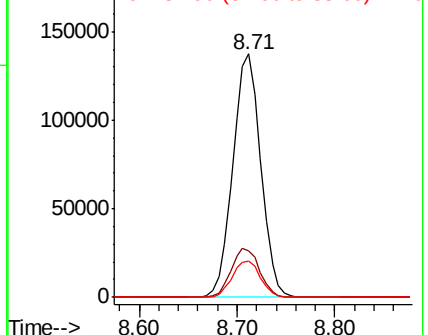
114 100

63 19.0 0.0 39.4

88 15.0 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: 53.386 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002003.D

Acq: 18 Mar 2020 10:48

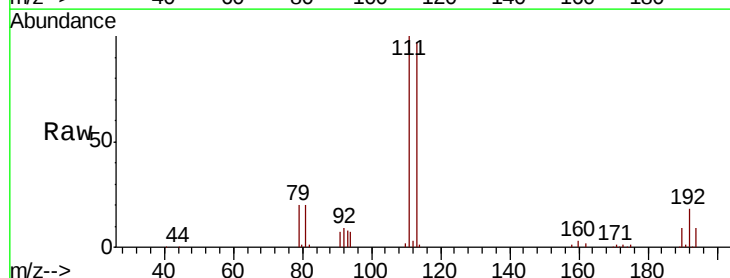
Tgt Ion:113 Resp: 79160

Ion Ratio Lower Upper

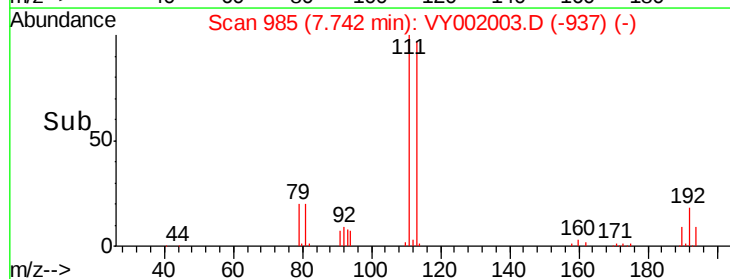
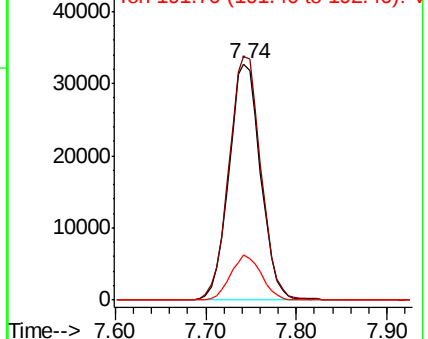
113 100

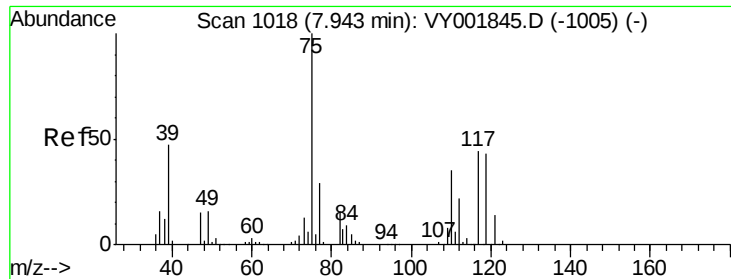
111 103.9 81.8 122.8

192 18.6 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

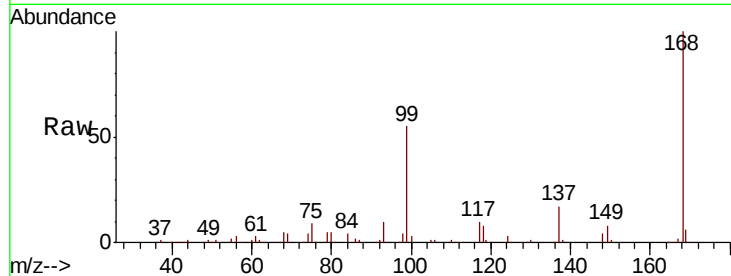




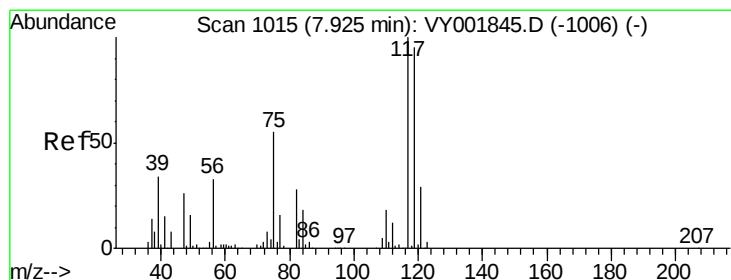
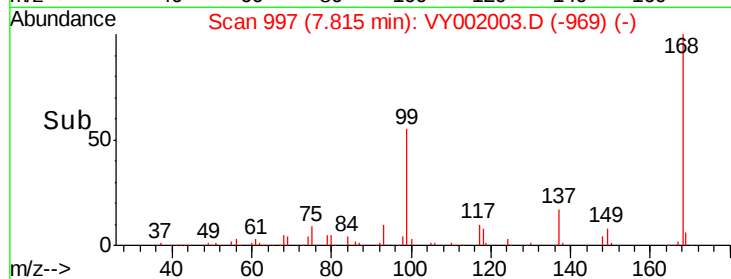
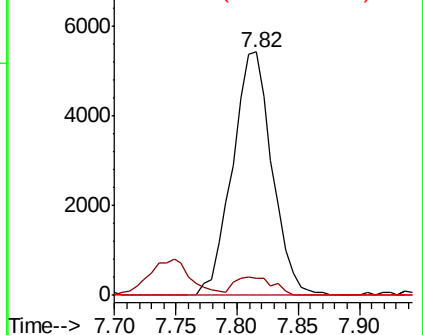
#36
 1,1-Dichloropropene
 Concen: 4.674 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY002003.D
 Acq: 18 Mar 2020 10:48

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.2	17.4	52.2#
77	0.0	24.2	36.2#

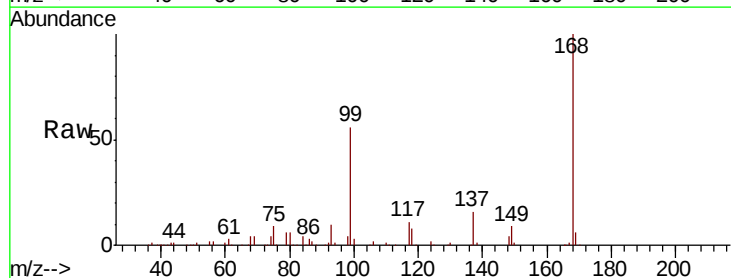


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

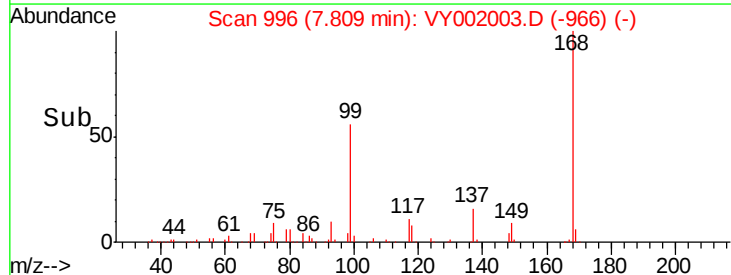
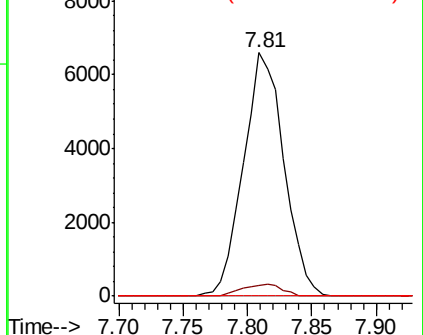


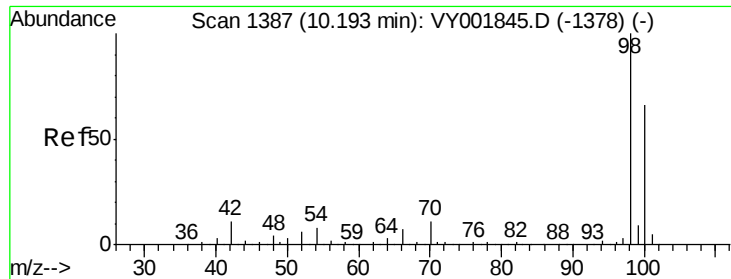
#38
 Carbon Tetrachloride
 Concen: 6.431 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002003.D
 Acq: 18 Mar 2020 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	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: 52.738 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002003.D

Acq: 18 Mar 2020 10:48

Instrument :

MSVOA_Y

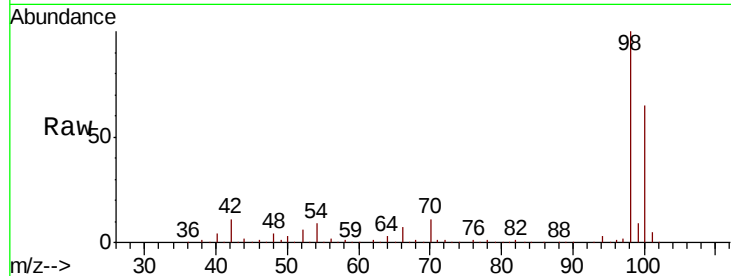
ClientSampleId :

Tot Ion: 98 Resp: 329751

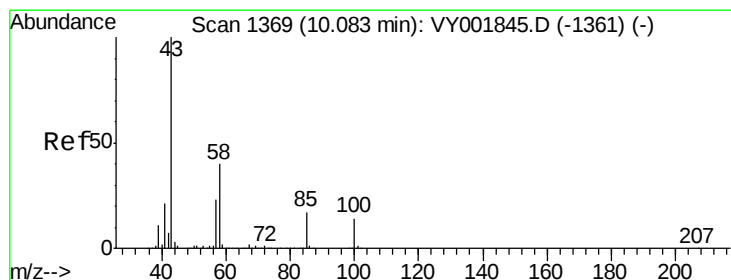
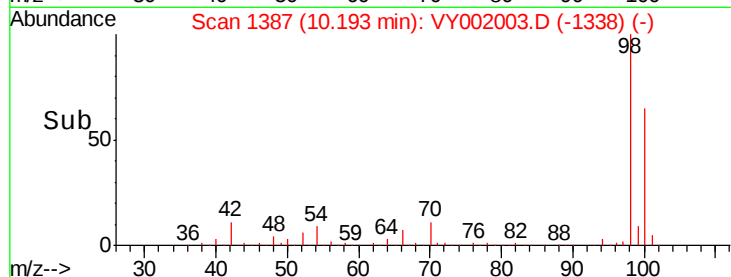
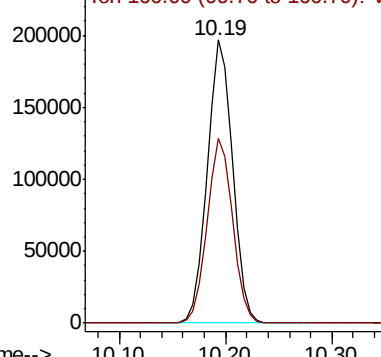
Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4



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



#51

4-Methyl-2-Pentanone

Concen: 3.863 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002003.D

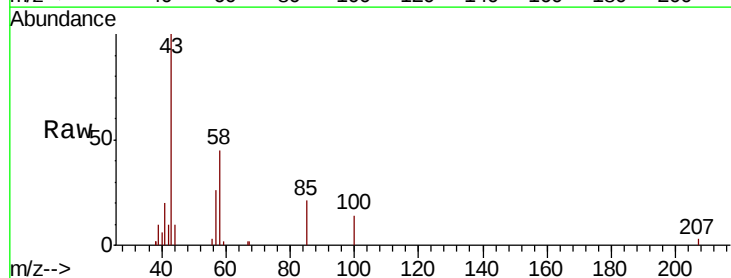
Acq: 18 Mar 2020 10:48

Tgt Ion: 43 Resp: 5722

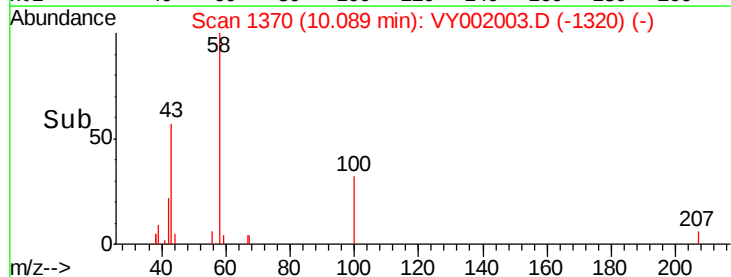
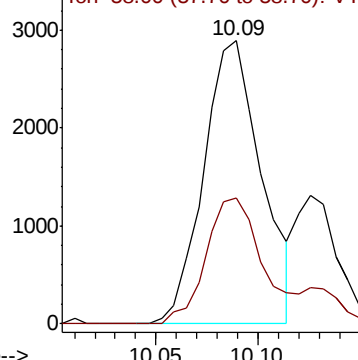
Ion Ratio Lower Upper

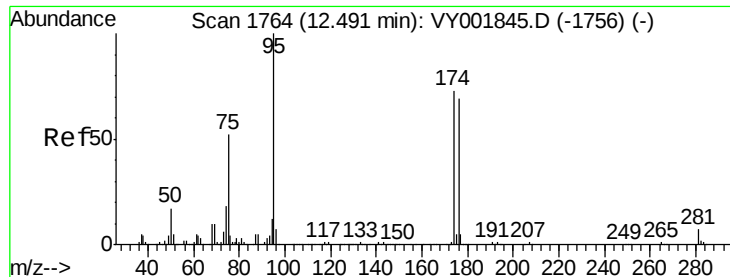
43 100

58 44.1 32.0 48.0



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





#62

4-Bromofluorobenzene

Concen: 51.684 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002003.D

Acq: 18 Mar 2020 10:48

Instrument :

MSVOA_Y

ClientSampled :

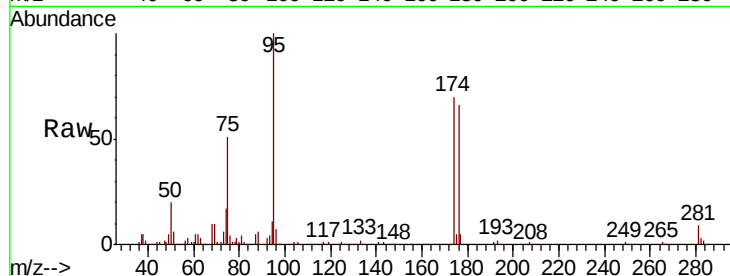
Tot Ion: 95 Resp: 112367

Ion Ratio Lower Upper

95 100

174 73.0 0.0 145.0

176 69.8 0.0 137.4



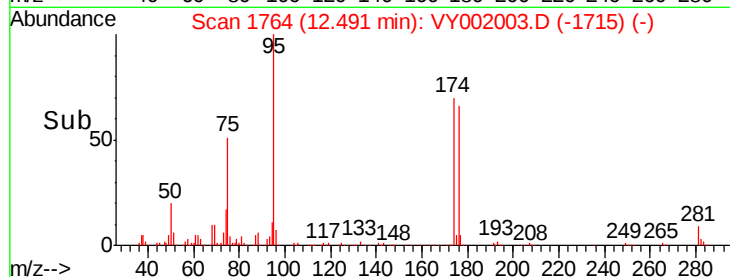
Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

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

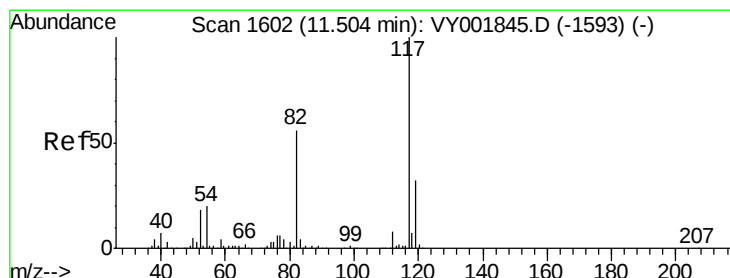
Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

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: VY002003.D

Acq: 18 Mar 2020 10:48

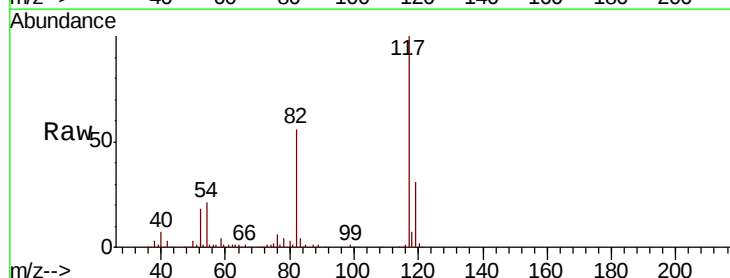
Tgt Ion: 117 Resp: 248450

Ion Ratio Lower Upper

117 100

82 56.2 44.5 66.7

119 31.5 25.7 38.5



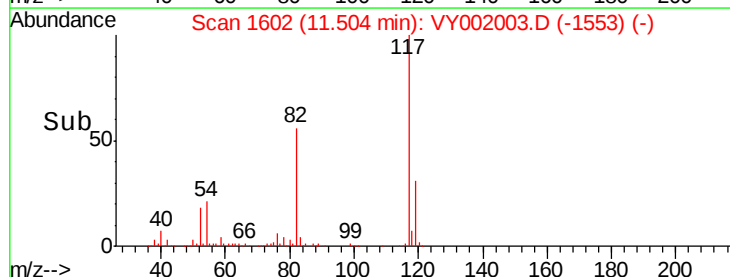
Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

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

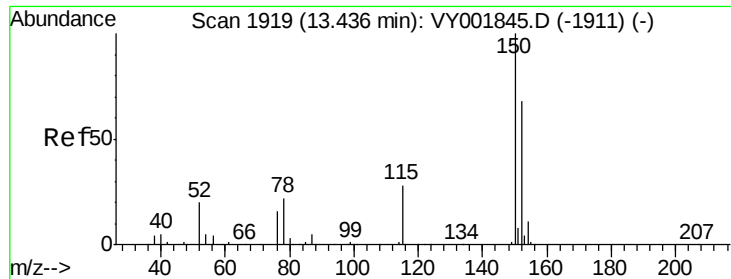
Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)

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: VY002003.D

Acq: 18 Mar 2020 10:48

Instrument :

MSVOA_Y

ClientSampled :

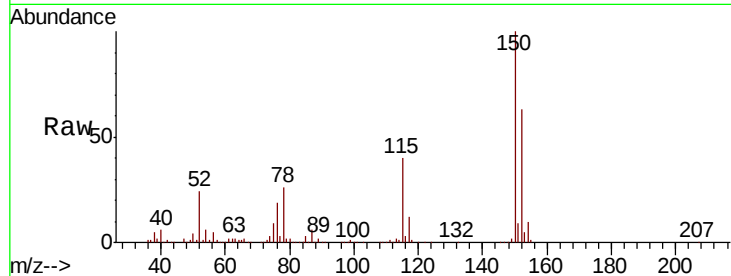
Tot Ion:152 Resp: 108219

Ion Ratio Lower Upper

152 100

115 60.8 29.9 89.7

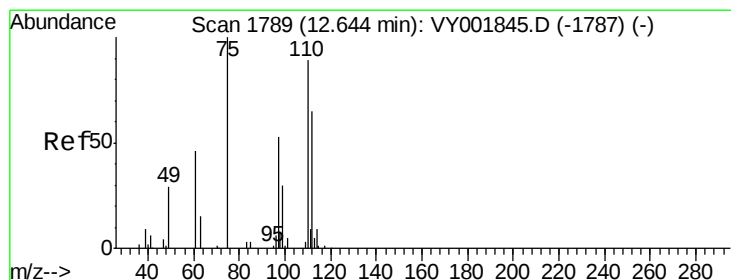
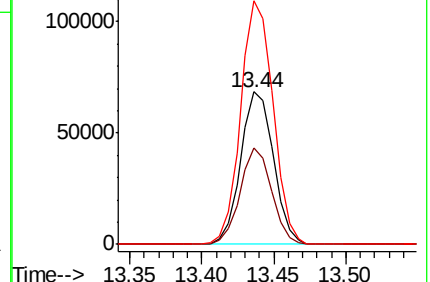
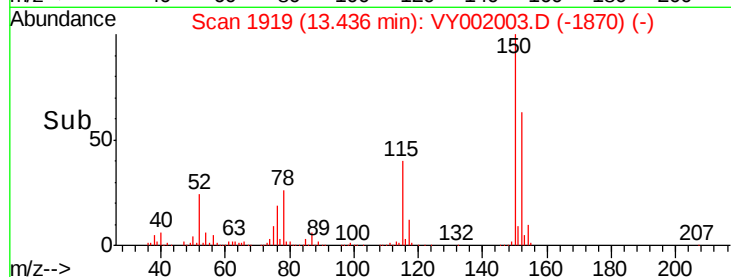
150 158.1 0.0 340.6



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: 44.404 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002003.D

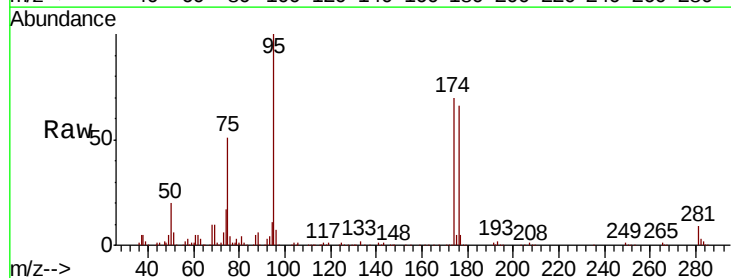
Acq: 18 Mar 2020 10:48

Tgt Ion: 75 Resp: 57019

Ion Ratio Lower Upper

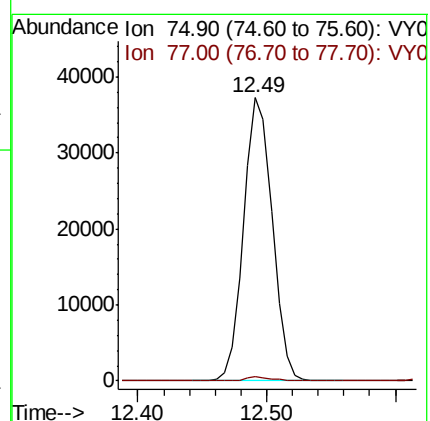
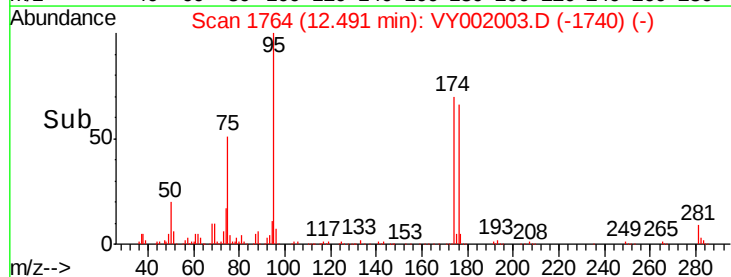
75 100

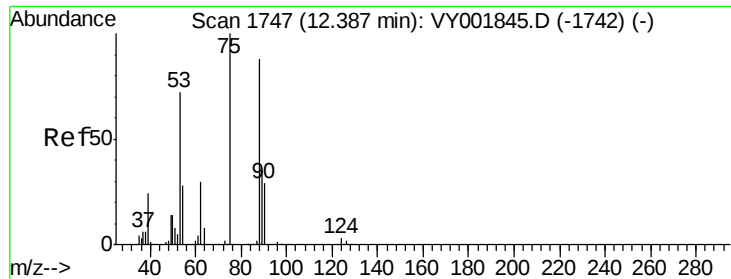
77 1.4 0.0 0.0#



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: 89.694 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002003.D

Acq: 18 Mar 2020 10:48

Instrument :

MSVOA_Y

ClientSampleId :

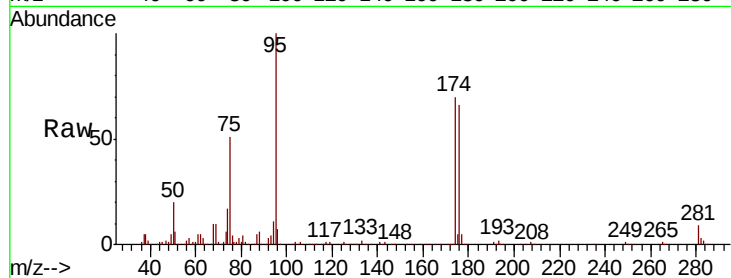
Tot Ion: 75 Resp: 57019

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.4 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

