

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120519\
 Data File : VY000880.D
 Acq On : 05 Dec 2019 14:11
 Operator : SY/MD
 Sample : K6147-04
 Misc : 5.19G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-WC004

Quant Time: Dec 06 04:01:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	212931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	407886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	365841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158294	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	132380	58.51	ug/l	0.00
Spiked Amount			Recovery	=	117.02%	
35) Dibromofluoromethane	7.73	113	117880	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.18	98	485687	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.48	95	160661	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

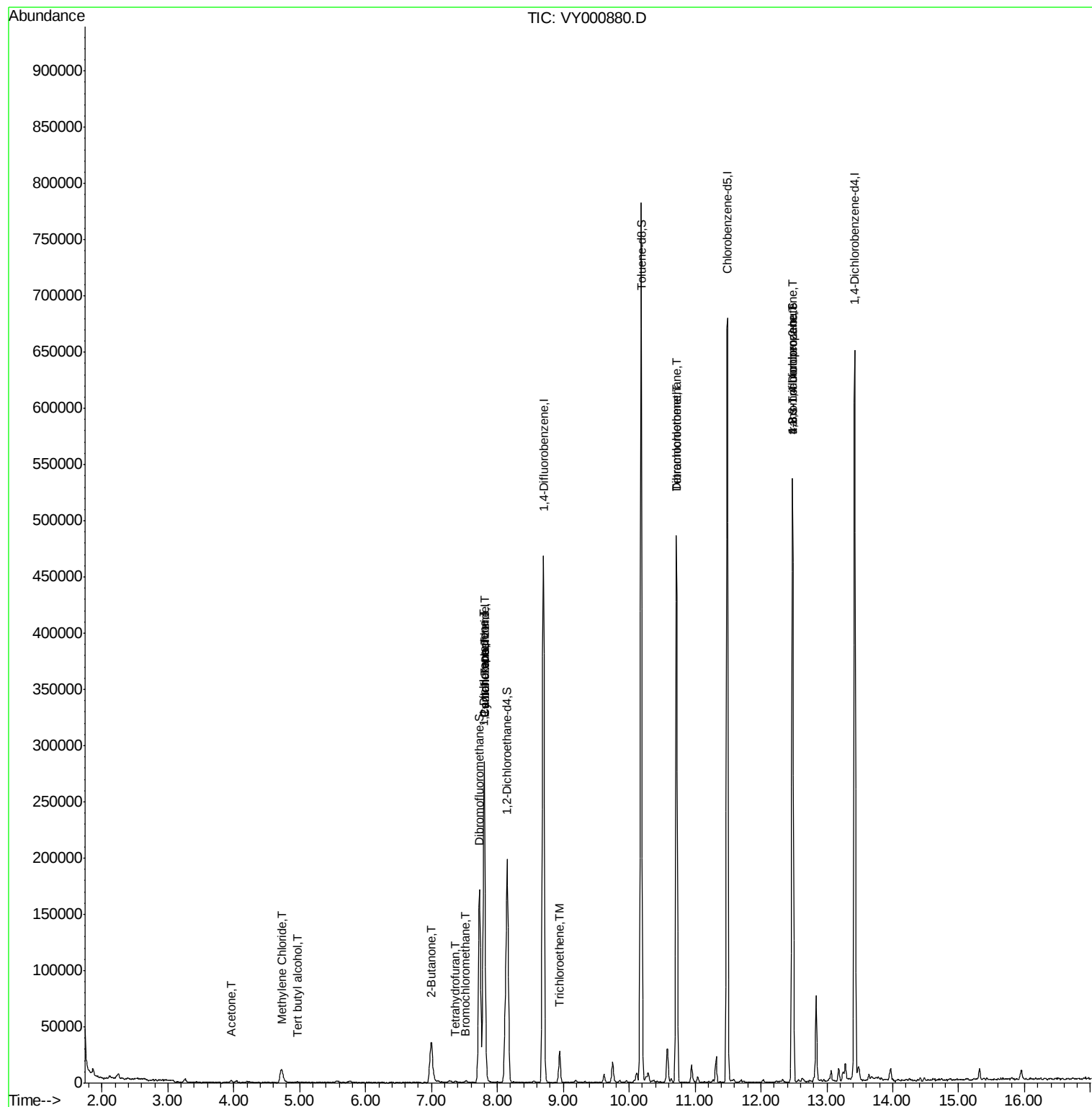
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.64	94	93	Below Cal	#	3
11) Tert butyl alcohol	4.96	59	681	2.992	ug/l #	74
16) Acetone	3.96	43	2513	4.842	ug/l #	81
20) Methylene Chloride	4.72	84	8774	3.207	ug/l	93
25) 2-Butanone	6.99	43	1046	1.091	ug/l #	49
28) Bromochloromethane	7.51	49	32	2.034	ug/l #	15
29) Tetrahydrofuran	7.37	42	927	1.459	ug/l #	41
31) Cyclohexane	7.80	56	5293	1.102	ug/l #	2
36) 1,1-Dichloropropene	7.79	75	18985	4.681	ug/l #	49
38) Carbon Tetrachloride	7.80	117	22111	6.122	ug/l #	13
44) Trichloroethene	8.94	130	8924	2.939	ug/l	97
60) Dibromochloromethane	10.72	129	90104	36.541	ug/l #	11
64) Tetrachloroethene	10.72	164	104030	32.729	ug/l	94
76) 1,2,3-Trichloropropane	12.48	75	84480	47.105	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	84480	92.527	ug/l #	18

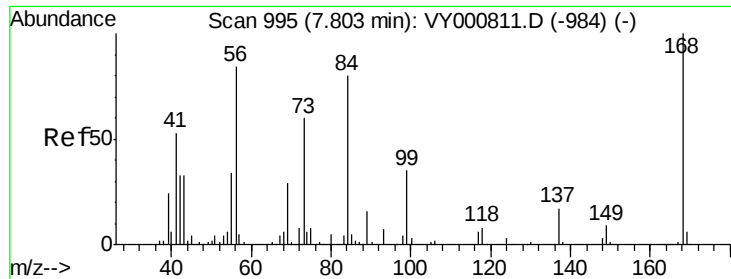
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

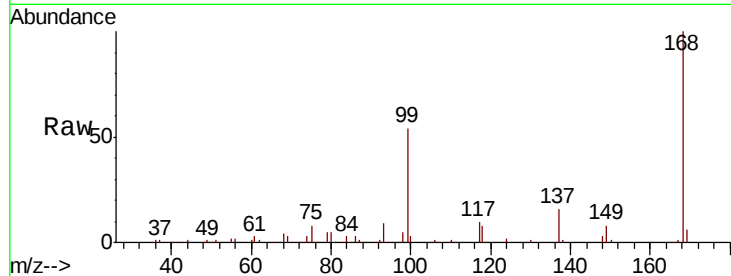
Instrument :
MSVOA_Y
ClientSampleId :
P001-WC004

Tot Ion:168 Resp: 212931

Ion Ratio Lower Upper

168 100

99 54.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000880.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000880.D (-946) (-)

7.80

100000

80000

60000

40000

20000

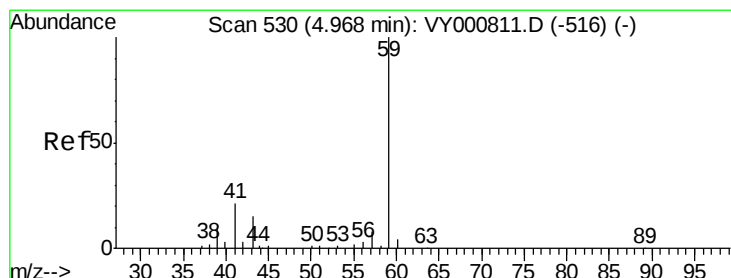
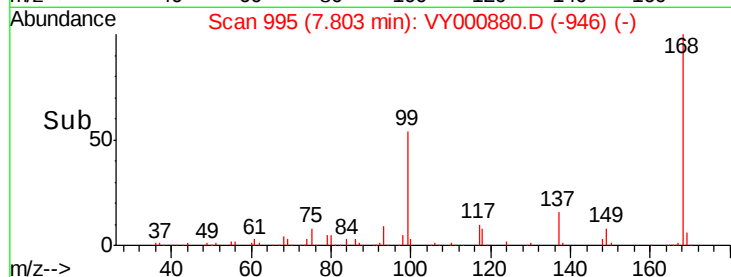
0

Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: 2.992 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000880.D

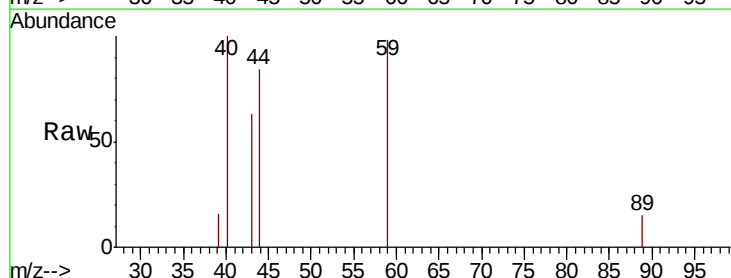
Acq: 05 Dec 2019 14:11

Tgt Ion: 59 Resp: 681

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000880.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY000880.D (-481) (-)

4.96

400

300

200

100

0

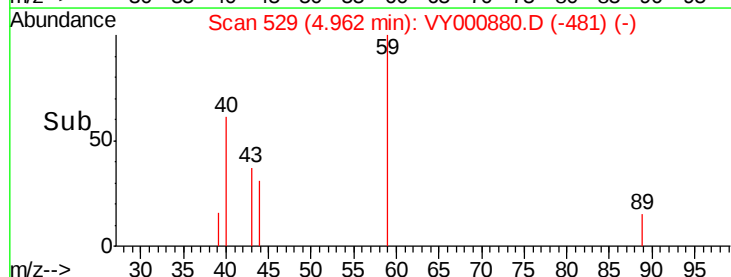
Time-->

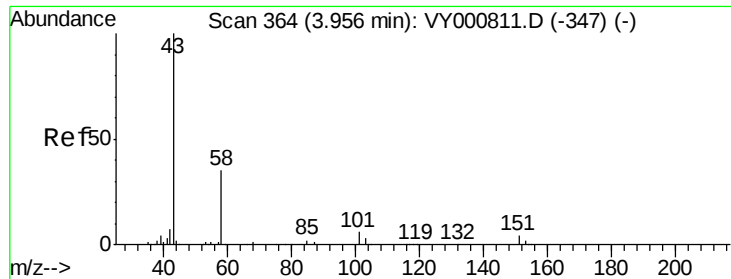
4.92

4.94

4.96

4.98





#16

Acetone

Concen: 4.842 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

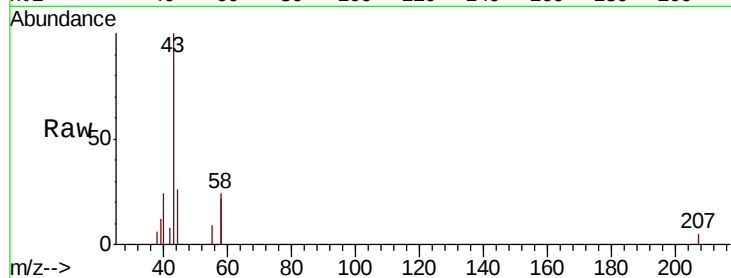
P001-WC004

Tot Ion: 43 Resp: 2513

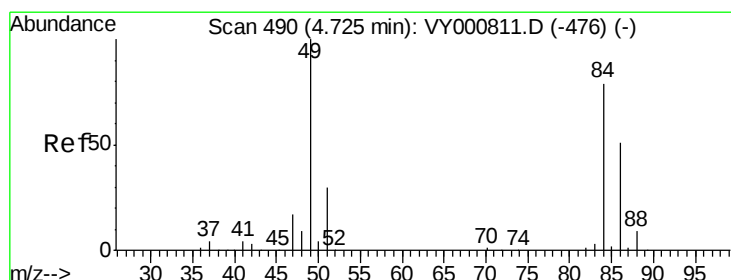
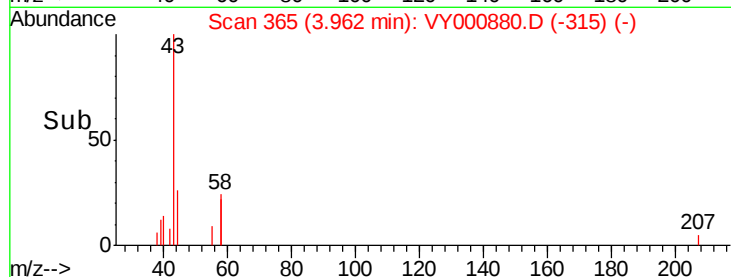
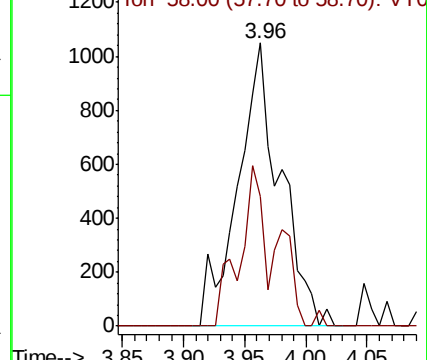
Ion Ratio Lower Upper

43 100

58 46.0 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY000880.D (-315) (-)



#20

Methylene Chloride

Concen: 3.207 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

Tgt Ion: 84 Resp: 8774

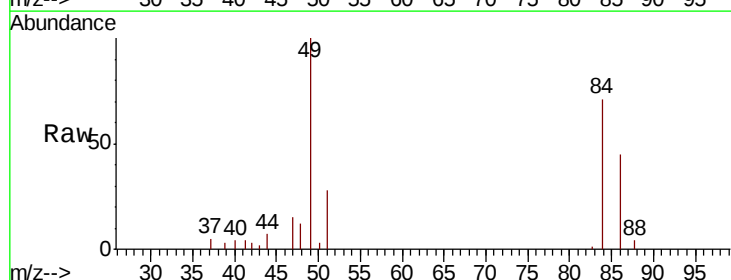
Ion Ratio Lower Upper

84 100

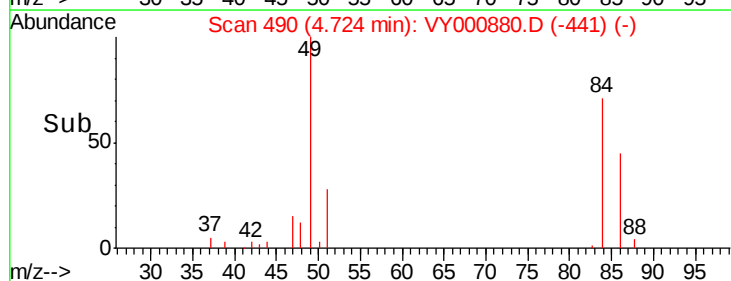
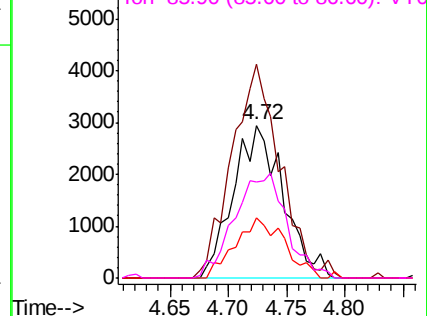
49 140.2 101.3 151.9

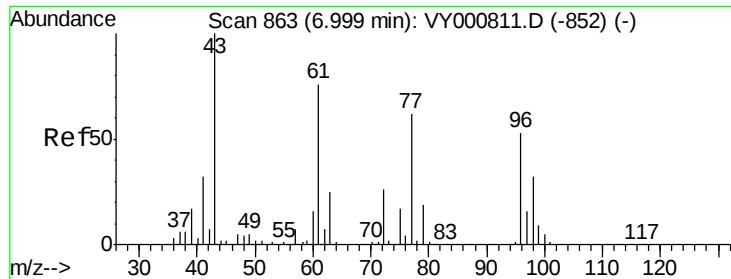
51 39.5 30.6 45.8

86 62.8 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000880.D (-441) (-)





#25

2-Butanone

Concen: 1.091 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

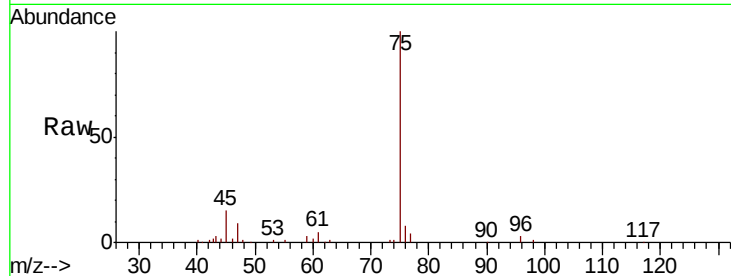
P001-WC004

Tot Ion: 43 Resp: 1046

Ion Ratio Lower Upper

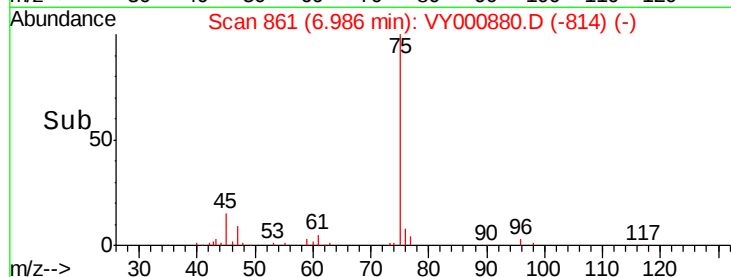
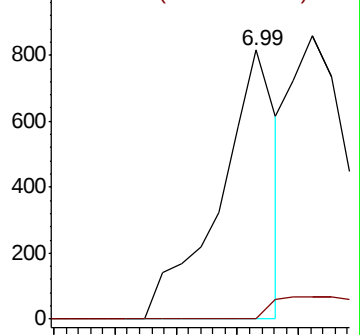
43 100

72 0.0 21.0 31.4#

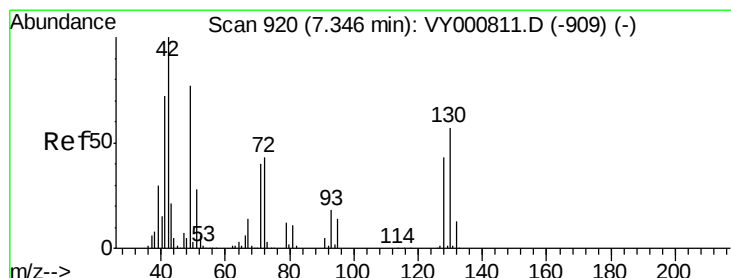


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time--> 6.92 6.94 6.96 6.98 7.00



#28

Bromochloromethane

Concen: 2.034 ug/l

RT: 7.51 min Scan# 947

Delta R.T. 0.16 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

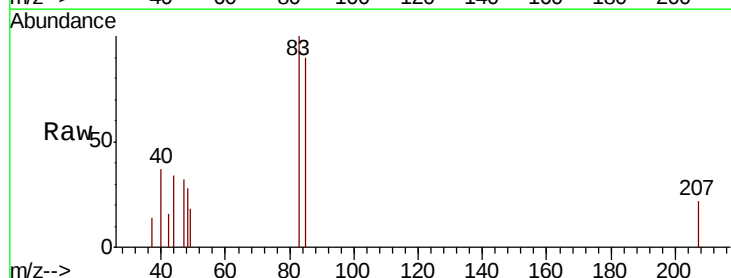
Tgt Ion: 49 Resp: 32

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

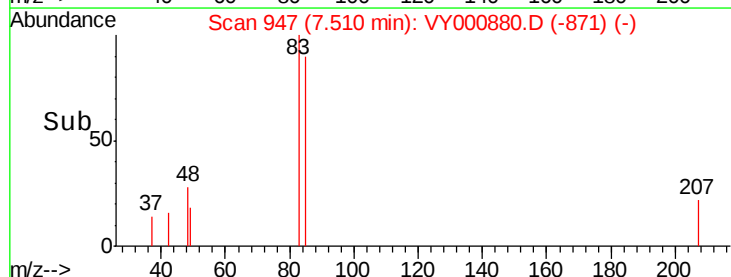
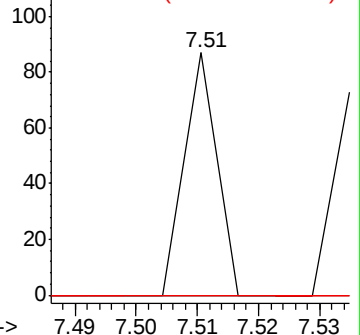
130 0.0 58.7 88.1#



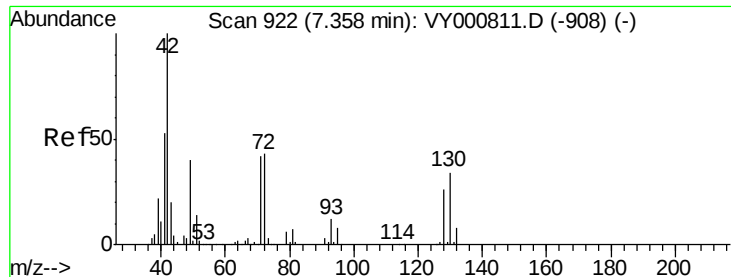
Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



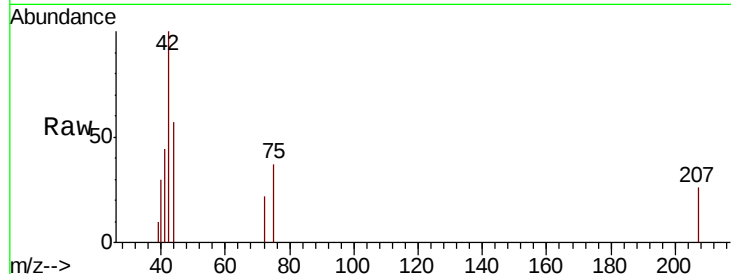
Time--> 7.49 7.50 7.51 7.52 7.53



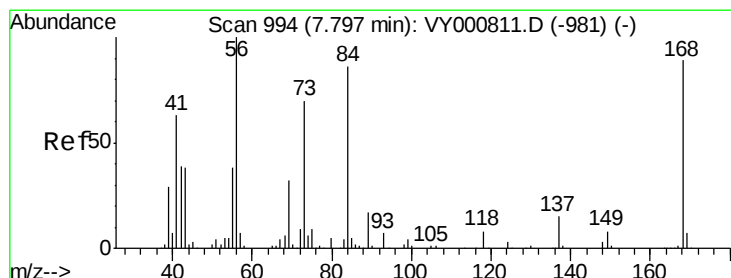
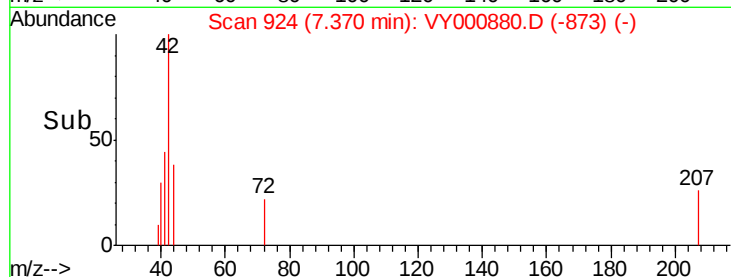
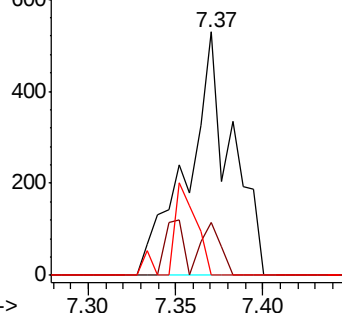
#29
Tetrahydrofuran
Concen: 1.459 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY000880.D
Acq: 05 Dec 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
P001-WC004

Tot Ion: 42 Resp: 927
Ion Ratio Lower Upper
42 100
72 9.8 35.1 52.7#
71 0.0 32.8 49.2#

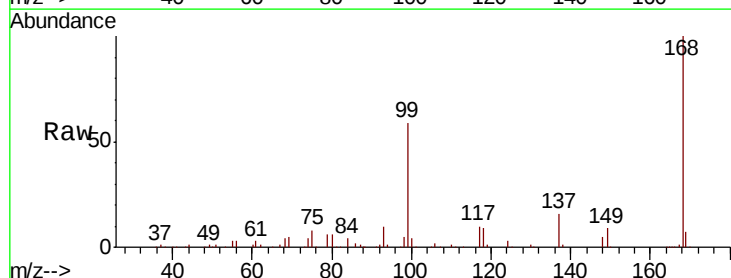


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

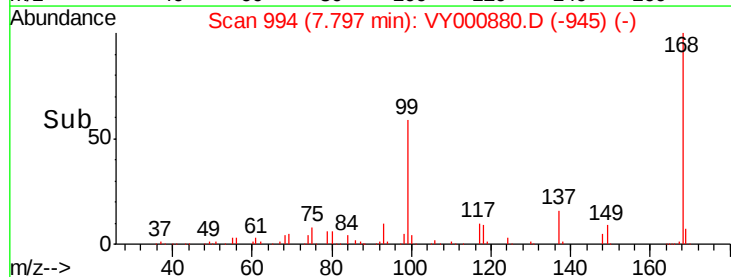
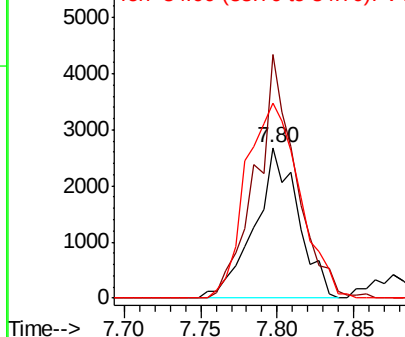


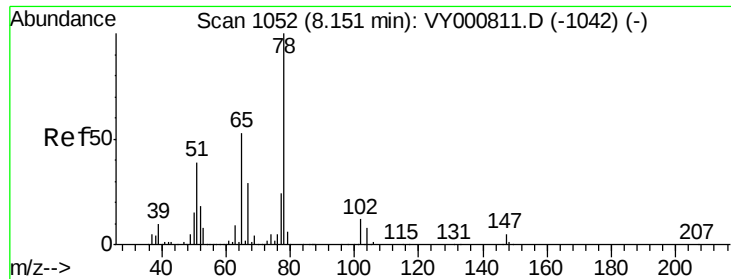
#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000880.D
Acq: 05 Dec 2019 14:11

Tgt Ion: 56 Resp: 5293
Ion Ratio Lower Upper
56 100
69 161.8 25.9 38.9#
84 130.0 68.6 102.8#



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

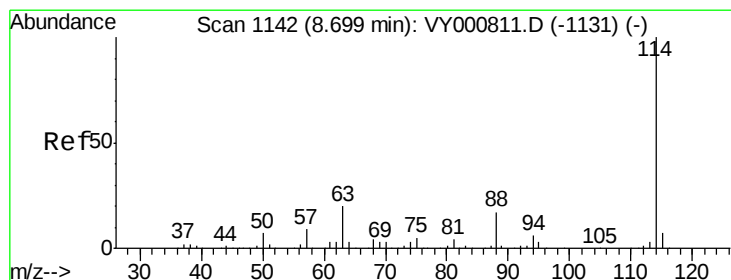
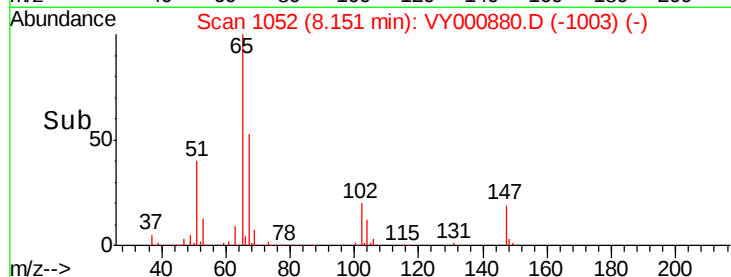
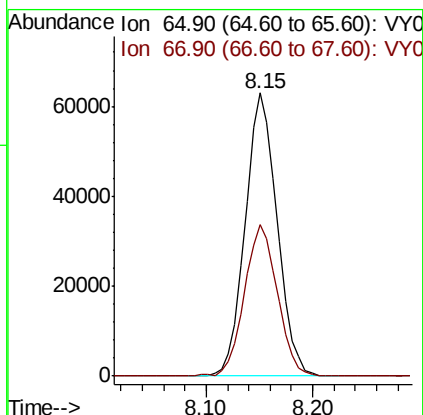
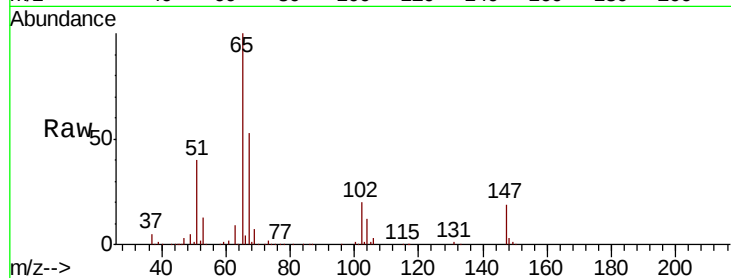




#33
 1,2-Dichloroethane-d4
 Concen: 58.509 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000880.D
 Acq: 05 Dec 2019 14:11

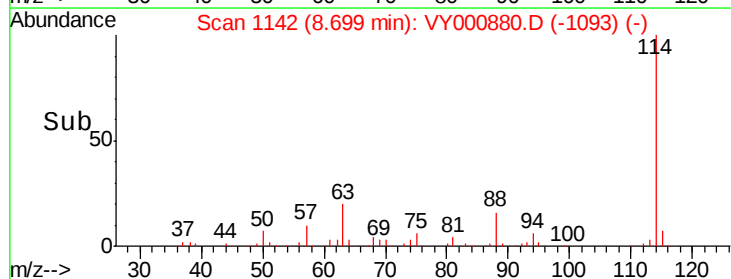
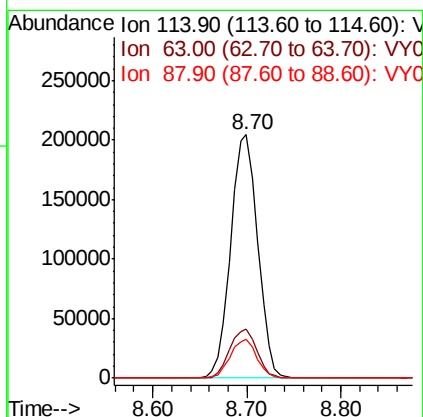
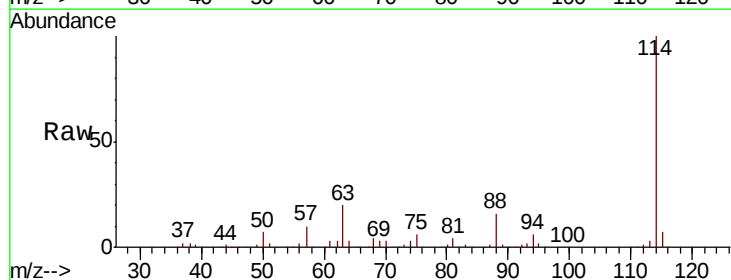
Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-WC004

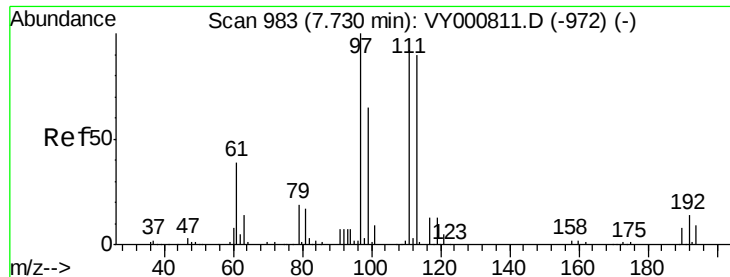
Tot Ion: 65 Resp: 132380
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000880.D
 Acq: 05 Dec 2019 14:11

Tgt Ion: 114 Resp: 407886
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.589 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

P001-WC004

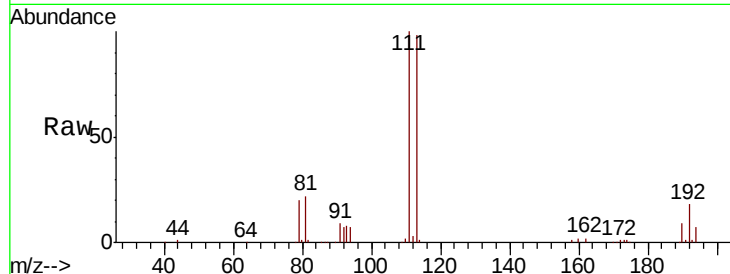
Tot Ion:113 Resp: 117880

Ion Ratio Lower Upper

113 100

111 105.6 82.4 123.6

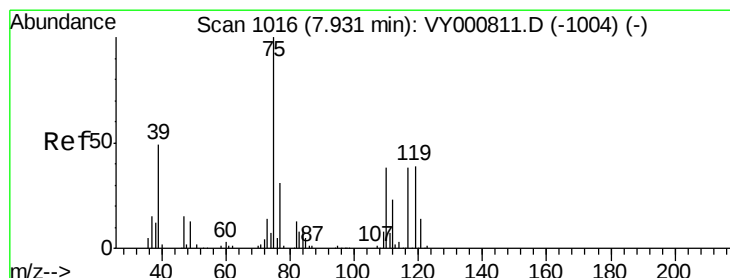
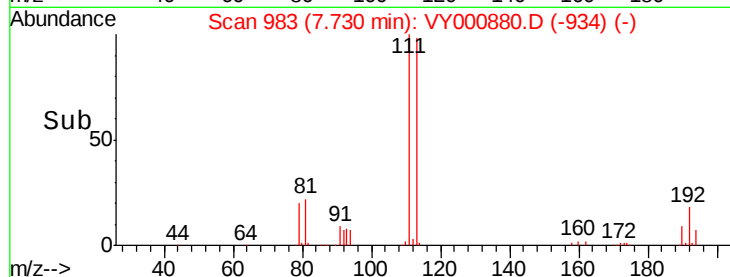
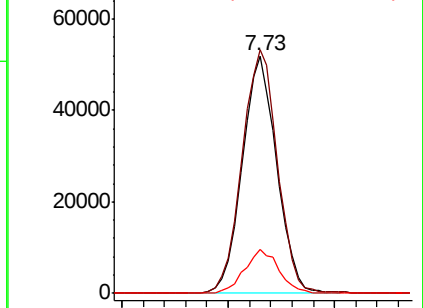
192 18.3 14.2 21.2



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: 4.681 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.14 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

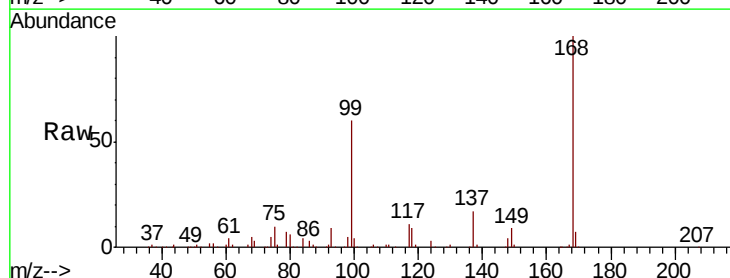
Tgt Ion: 75 Resp: 18985

Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.7#

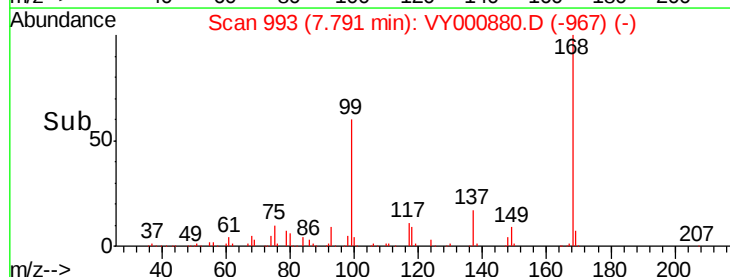
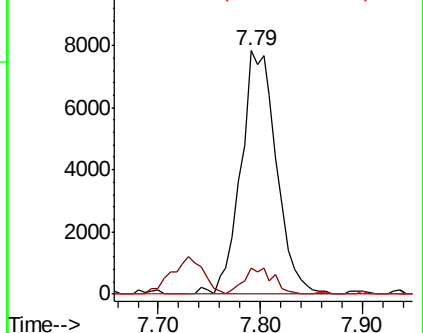
77 0.0 24.7 37.1#

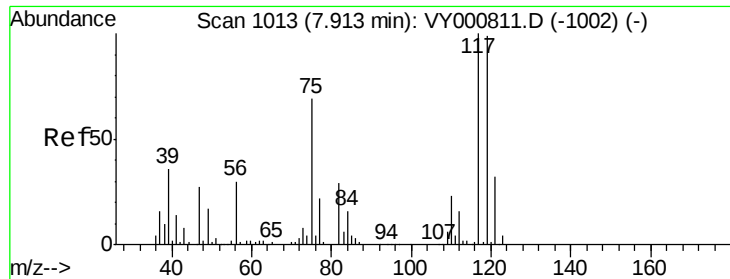


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.122 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

P001-WC004

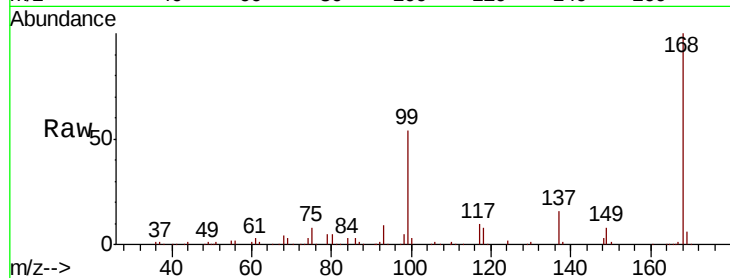
Tot Ion:117 Resp: 22111

Ion Ratio Lower Upper

117 100

119 2.9 79.3 118.9#

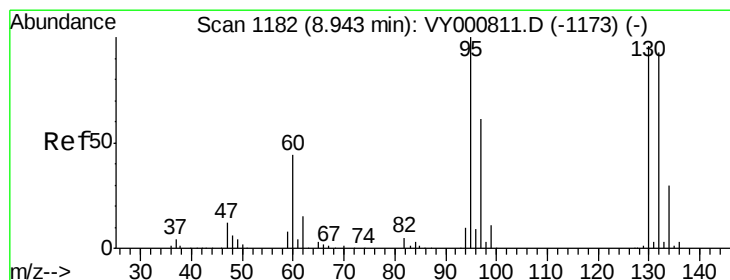
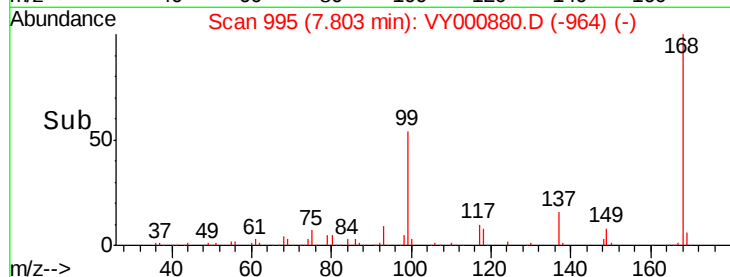
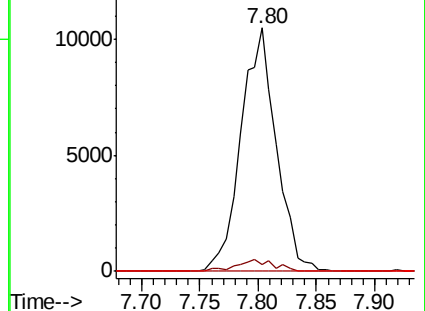
121 0.0 25.5 38.3#



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



#44

Trichloroethene

Concen: 2.939 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY000880.D

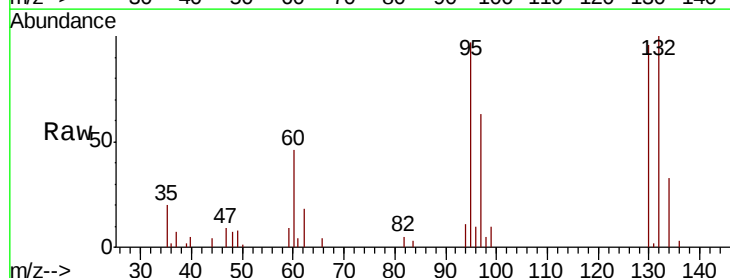
Acq: 05 Dec 2019 14:11

Tgt Ion:130 Resp: 8924

Ion Ratio Lower Upper

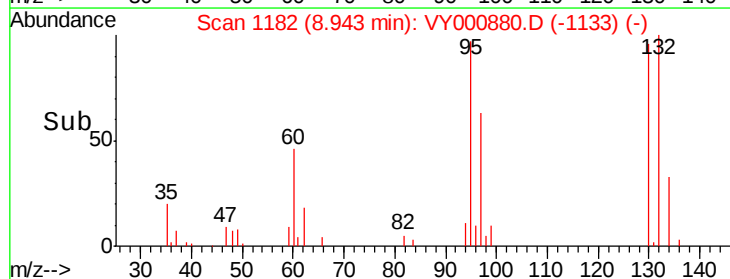
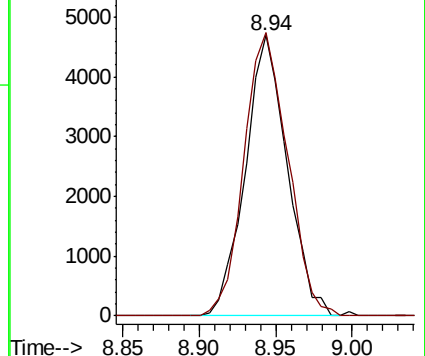
130 100

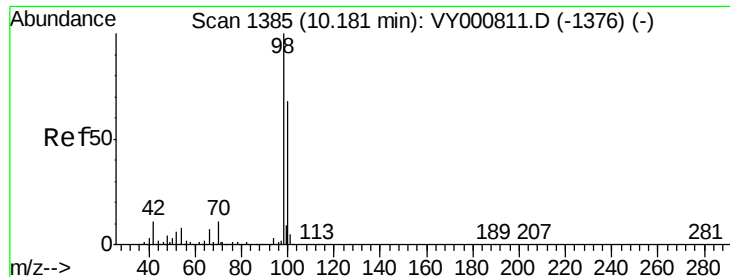
95 100.9 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0





#50

Toluene-d8

Concen: 51.105 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

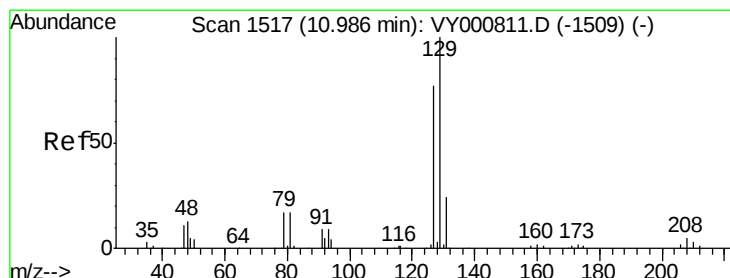
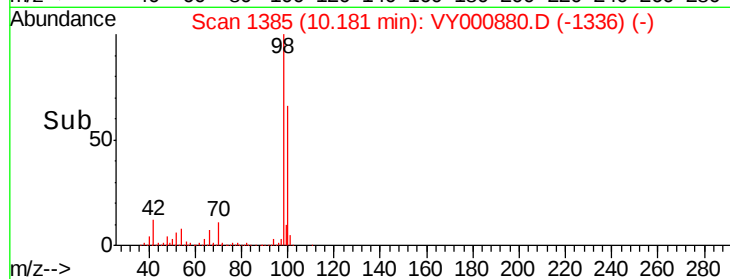
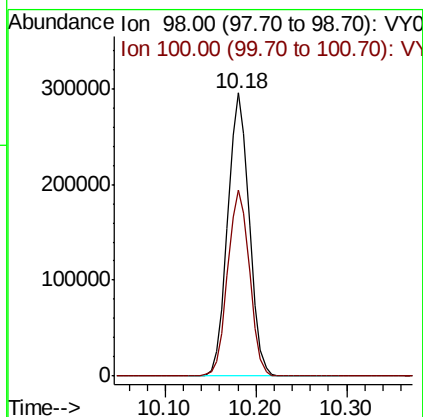
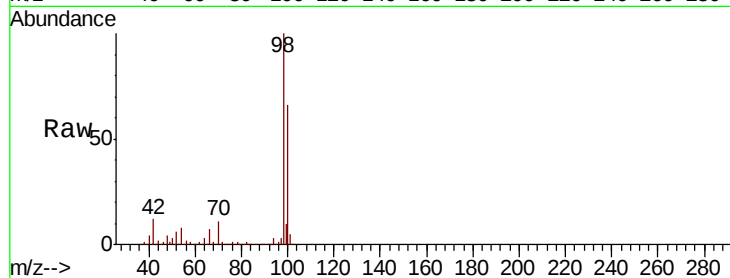
P001-WC004

Tot Ion: 98 Resp: 485687

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7



#60

Dibromochloromethane

Concen: 36.541 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.27 min

Lab File: VY000880.D

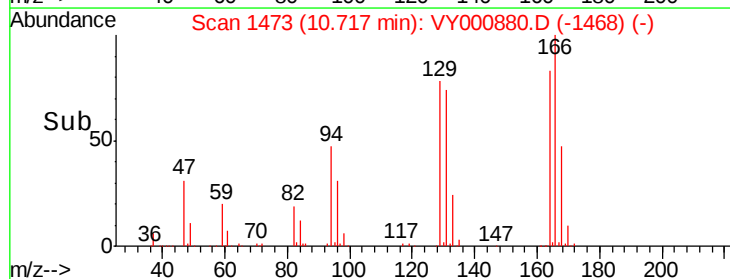
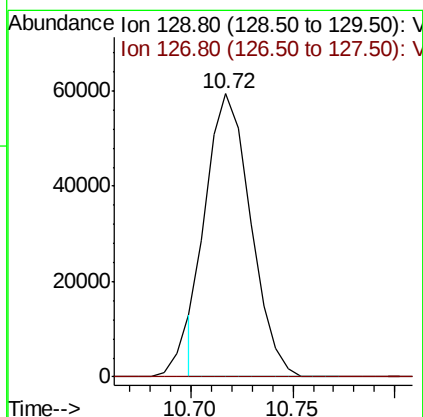
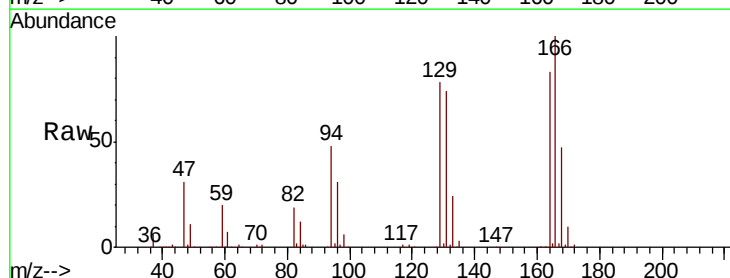
Acq: 05 Dec 2019 14:11

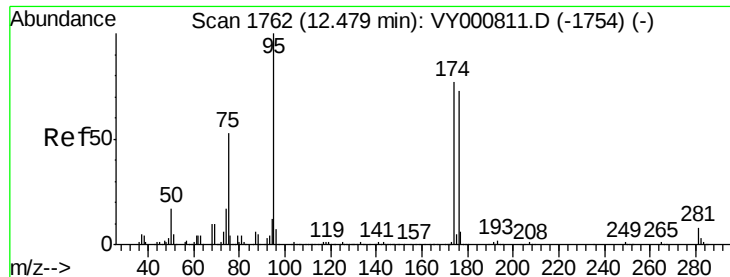
Tgt Ion: 129 Resp: 90104

Ion Ratio Lower Upper

129 100

127 0.2 39.1 117.2#

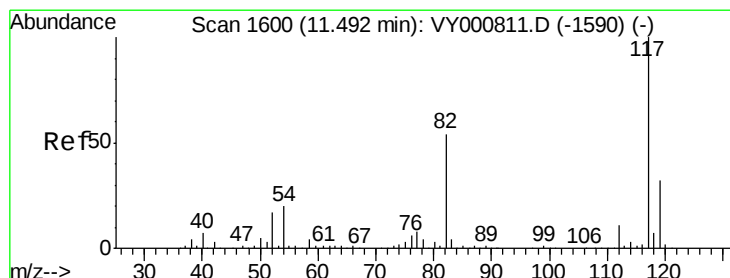
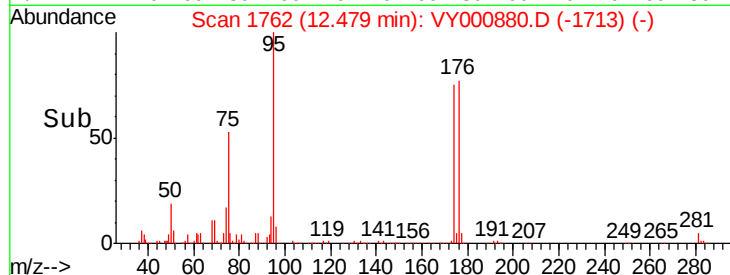
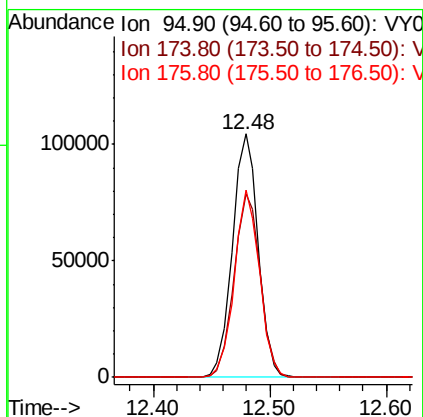
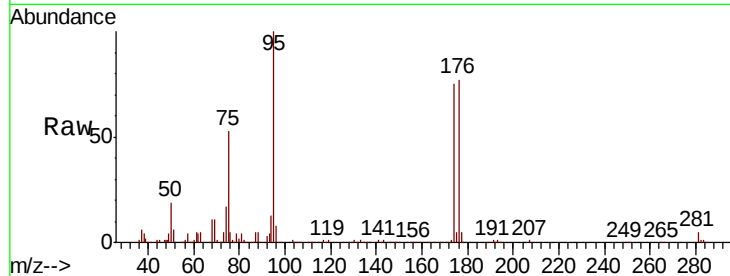




#62
4-Bromofluorobenzene
Concen: 45.014 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000880.D
Acq: 05 Dec 2019 14:11

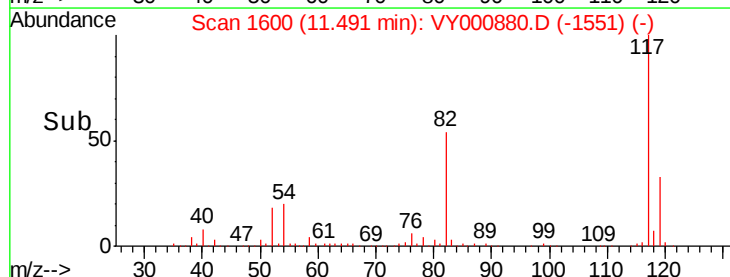
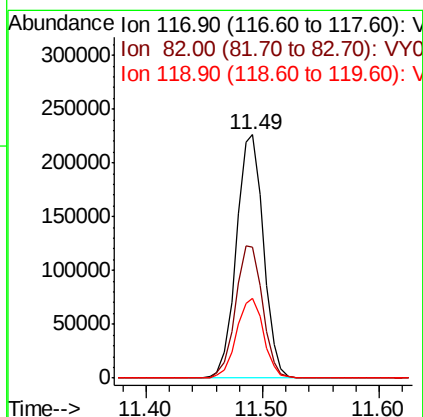
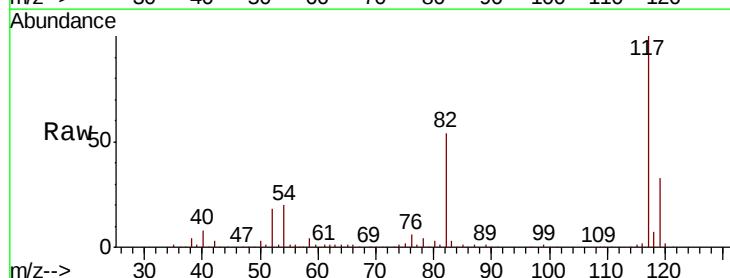
Instrument :
MSVOA_Y
ClientSampled :
P001-WC004

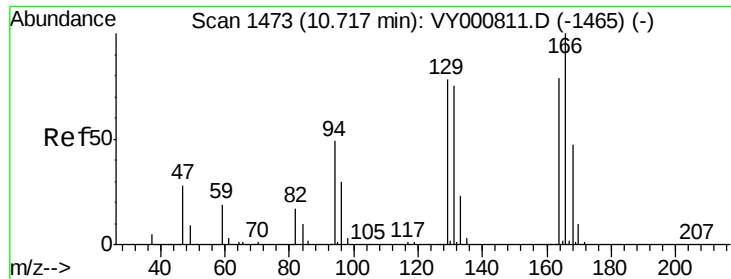
Tot Ion: 95 Resp: 160661
Ion Ratio Lower Upper
95 100
174 76.9 0.0 150.6
176 74.9 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000880.D
Acq: 05 Dec 2019 14:11

Tgt Ion: 117 Resp: 365841
Ion Ratio Lower Upper
117 100
82 53.7 43.1 64.7
119 32.7 25.3 37.9

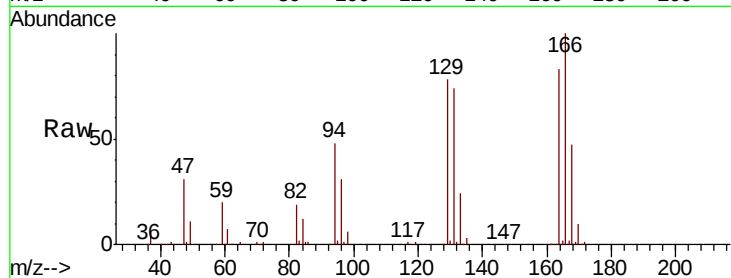




#64
Tetrachloroethene
Concen: 32.729 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000880.D
Acq: 05 Dec 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
P001-WC004

Tot Ion	Ratio	Lower	Upper
164	100		
166	120.1	101.8	152.8
129	93.3	79.3	118.9
131	89.0	76.4	114.6



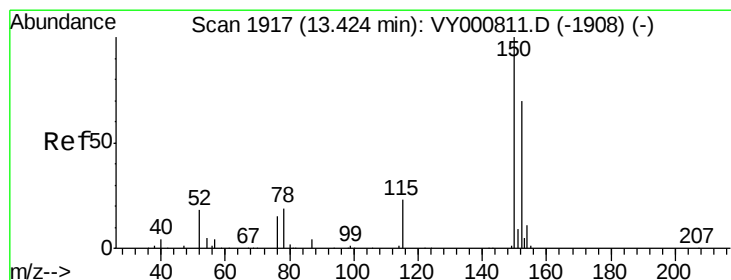
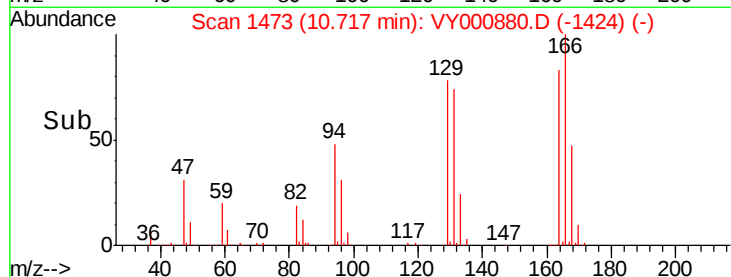
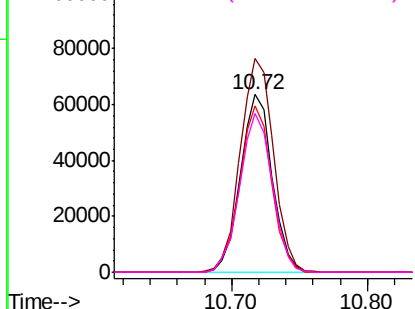
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

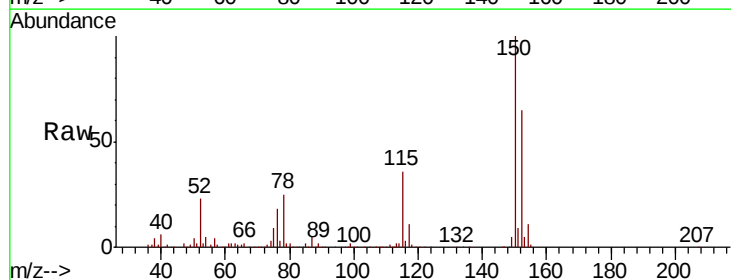
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000880.D
Acq: 05 Dec 2019 14:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	87.8
150	156.1	0.0	351.2

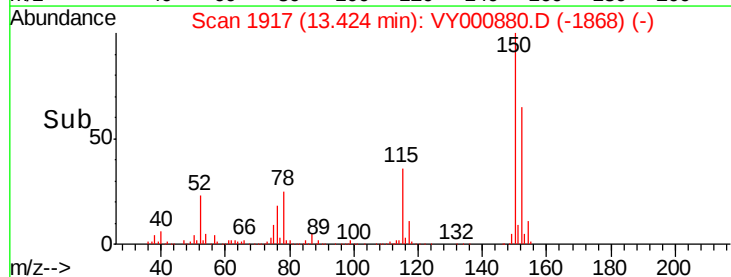
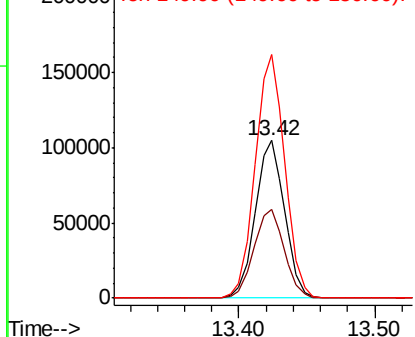


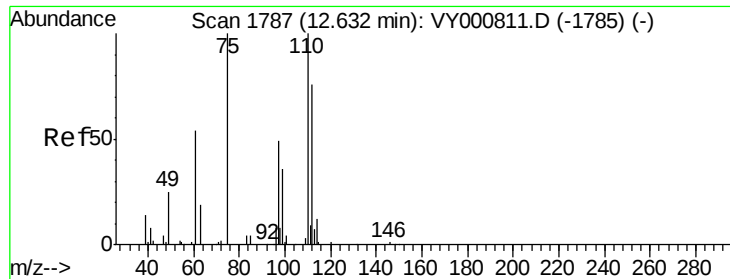
Abundance

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: 47.105 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

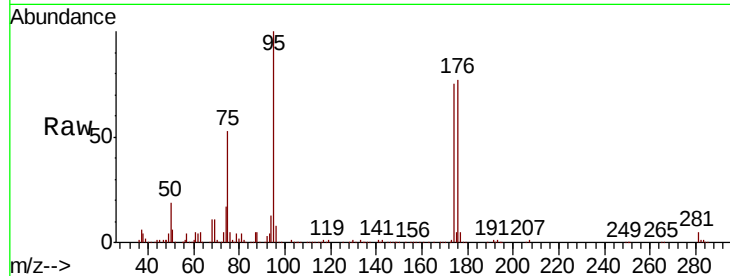
P001-WC004

Tot Ion: 75 Resp: 84480

Ion Ratio Lower Upper

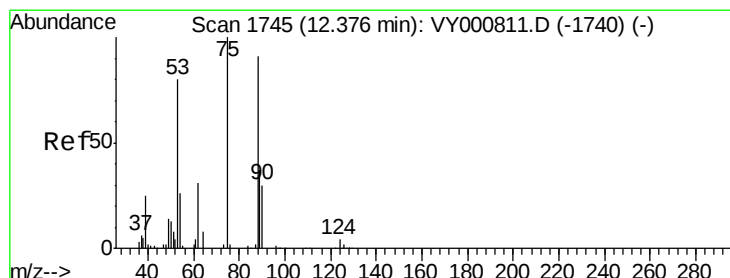
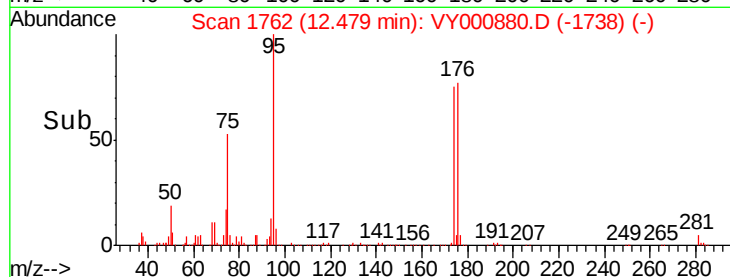
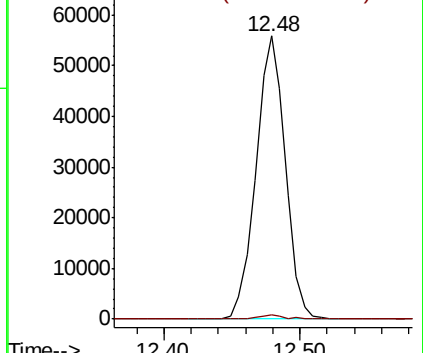
75 100

77 1.3 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: 92.527 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000880.D

Acq: 05 Dec 2019 14:11

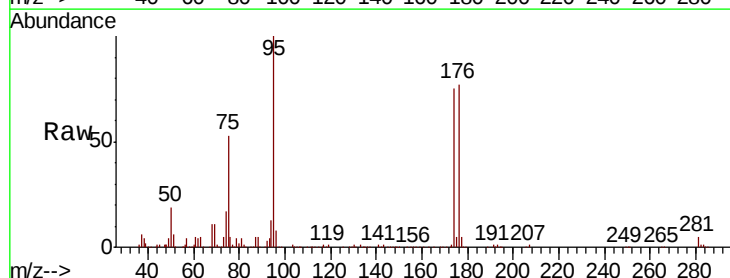
Tgt Ion: 75 Resp: 84480

Ion Ratio Lower Upper

75 100

53 0.1 64.6 96.8#

89 0.1 33.6 50.4#



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

