

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000845.D
 Acq On : 03 Dec 2019 17:47
 Operator : SY/MD
 Sample : K6119-01
 Misc : 4.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 04 00:58:48 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	244317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	468250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	424317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	192789	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	161212	62.10	ug/l	0.00
Spiked Amount			Recovery	=	124.20%	
35) Dibromofluoromethane	7.73	113	139768	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
50) Toluene-d8	10.18	98	558787	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.48	95	193535	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	

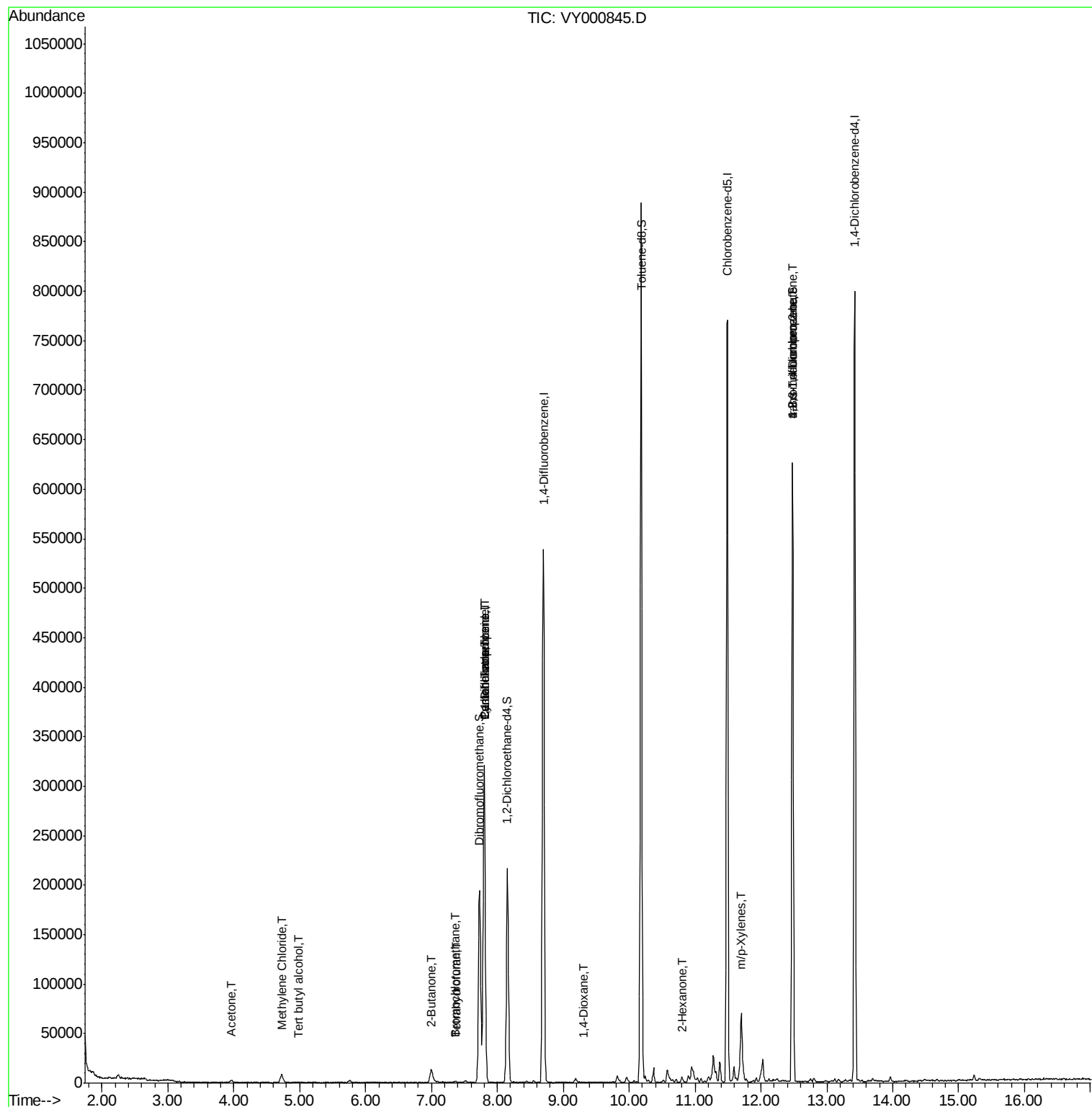
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	177	Below Cal	#	52
11) Tert butyl alcohol	4.98	59	511	1.956	ug/l #	74
16) Acetone	3.96	43	3369	5.657	ug/l	90
20) Methylene Chloride	4.72	84	5511	1.756	ug/l #	85
25) 2-Butanone	7.01	43	2055	1.868	ug/l #	49
28) Bromochloromethane	7.36	49	81	2.056	ug/l #	76
29) Tetrahydrofuran	7.38	42	868	1.191	ug/l #	70
31) Cyclohexane	7.80	56	5915	1.073	ug/l #	13
36) 1,1-Dichloropropene	7.80	75	20726	4.452	ug/l #	49
38) Carbon Tetrachloride	7.80	117	25464	6.141	ug/l #	14
49) 1,4-Dioxane	9.30	88	68	2.696	ug/l #	1
59) 2-Hexanone	10.80	43	3194	1.675	ug/l #	22
68) m/p-Xylenes	11.69	106	14778	2.397	ug/l	100
76) 1,2,3-Trichloropropane	12.48	75	100732	46.117	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	100732	90.587	ug/l #	17

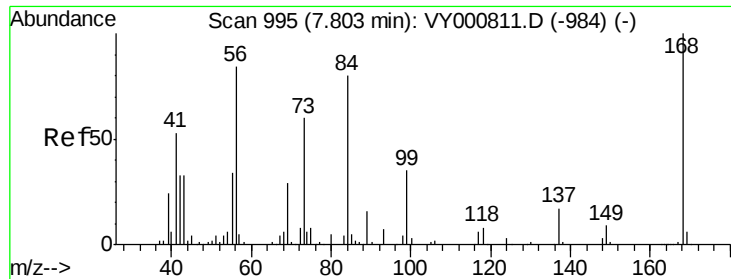
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000845.D

Acq: 03 Dec 2019 17:47

Instrument :

MSVOA_Y

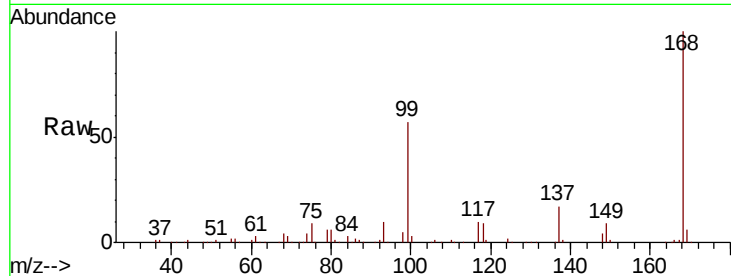
ClientSampleId :

Tot Ion:168 Resp: 244317

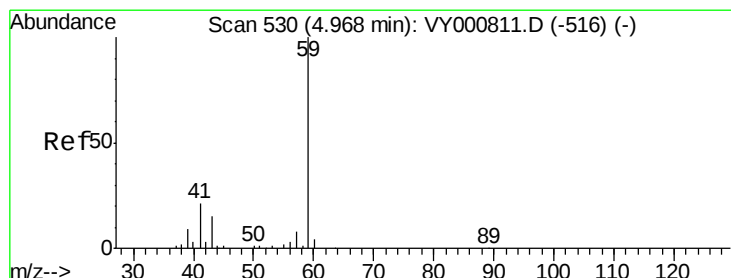
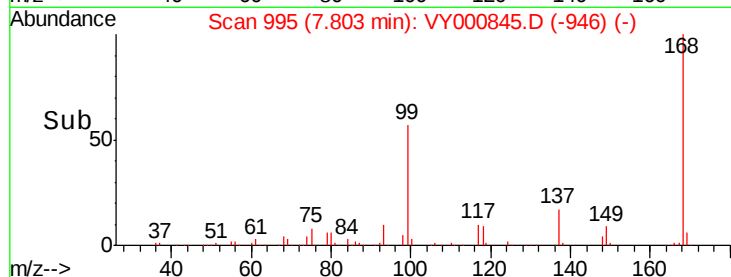
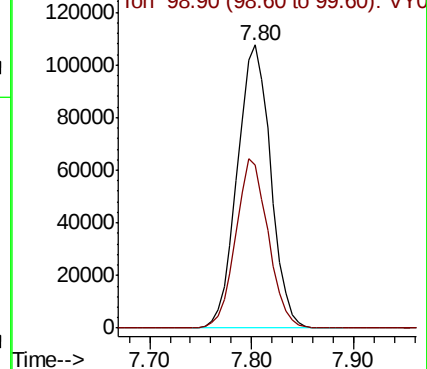
Ion Ratio Lower Upper

168 100

99 57.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)



#11

Tert butyl alcohol

Concen: 1.956 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY000845.D

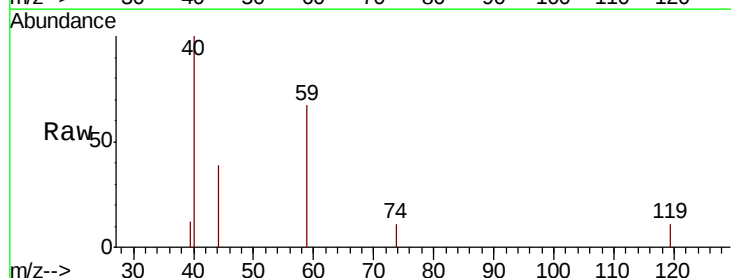
Acq: 03 Dec 2019 17:47

Tgt Ion: 59 Resp: 511

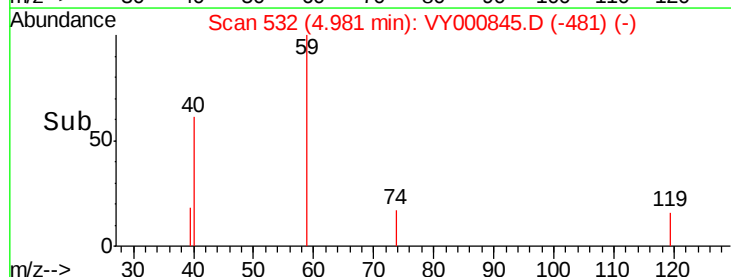
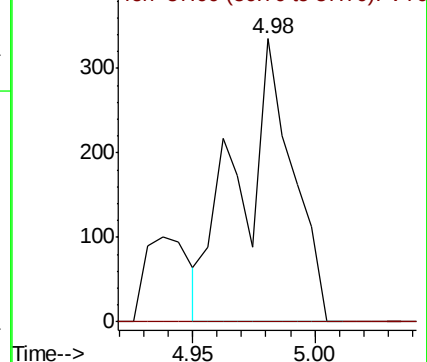
Ion Ratio Lower Upper

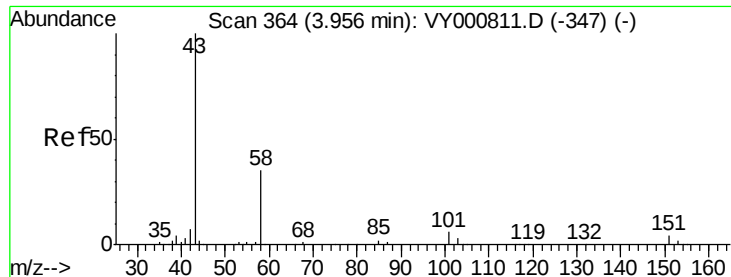
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000811.D (-516) (-)





#16

Acetone

Concen: 5.657 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000845.D

Acq: 03 Dec 2019 17:47

Instrument :

MSVOA_Y

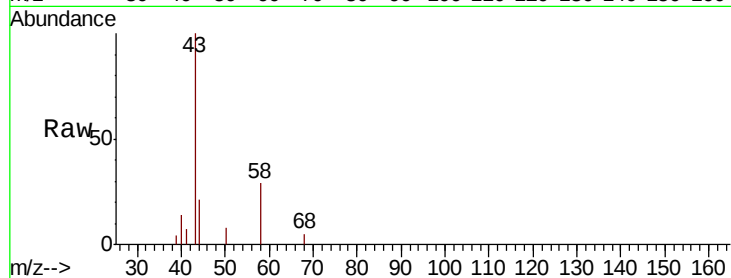
ClientSampleId :

Tot Ion: 43 Resp: 3369

Ion Ratio Lower Upper

43 100

58 29.4 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-347) (-)

3.96

1500

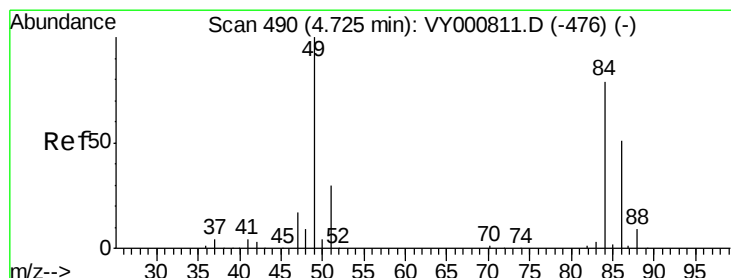
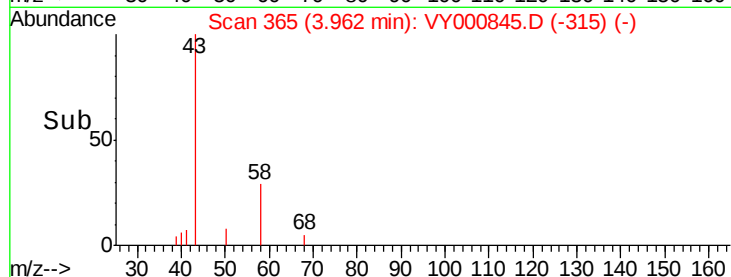
1000

500

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 1.756 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY000845.D

Acq: 03 Dec 2019 17:47

Tgt Ion: 84 Resp: 5511

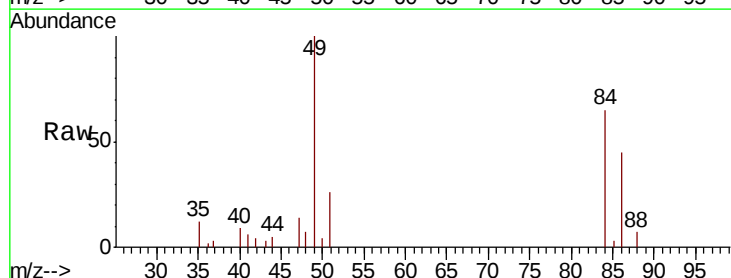
Ion Ratio Lower Upper

84 100

49 152.8 101.3 151.9#

51 40.1 30.6 45.8

86 69.4 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000811.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY000811.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY000811.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY000811.D (-476) (-)

4.72

4000

3000

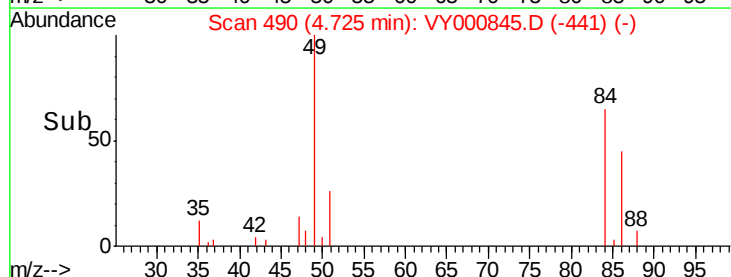
2000

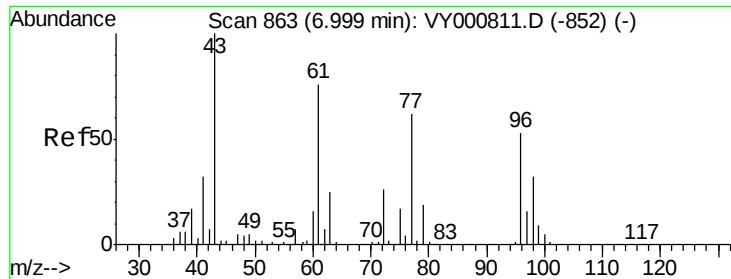
1000

0

4.60 4.65 4.70 4.75 4.80

Time-->





#25

2-Butanone

Concen: 1.868 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000845.D

Acq: 03 Dec 2019 17:47

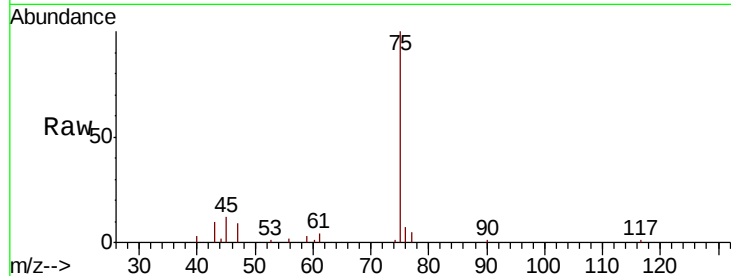
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 2055

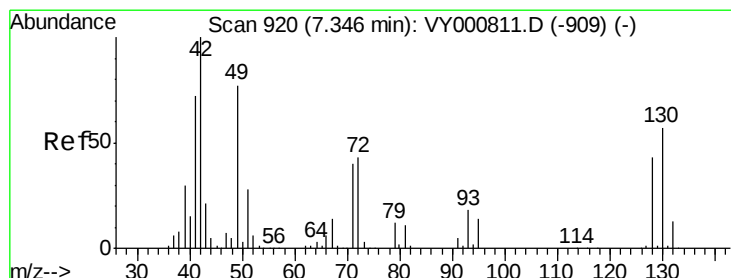
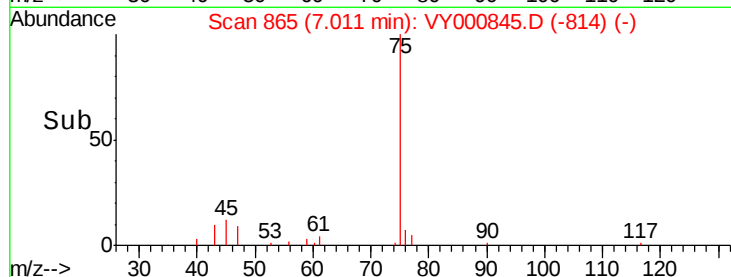
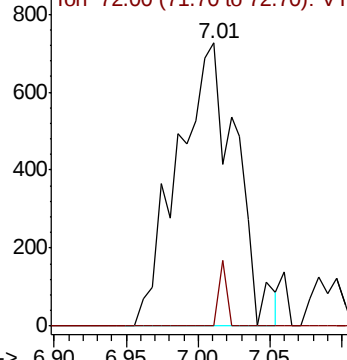
Ion Ratio Lower Upper

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



#28

Bromochloromethane

Concen: 2.056 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY000845.D

Acq: 03 Dec 2019 17:47

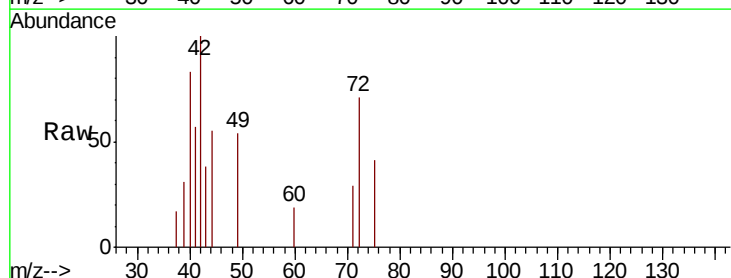
Tgt Ion: 49 Resp: 81

Ion Ratio Lower Upper

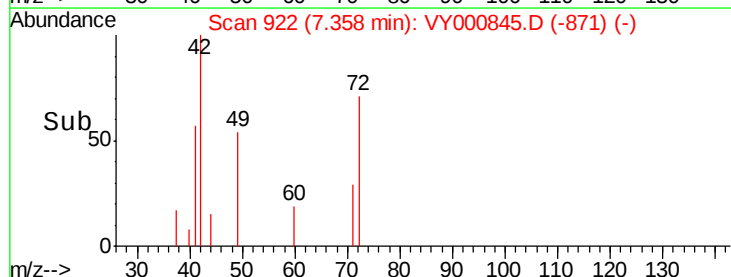
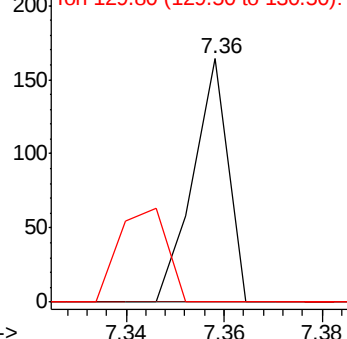
49 100

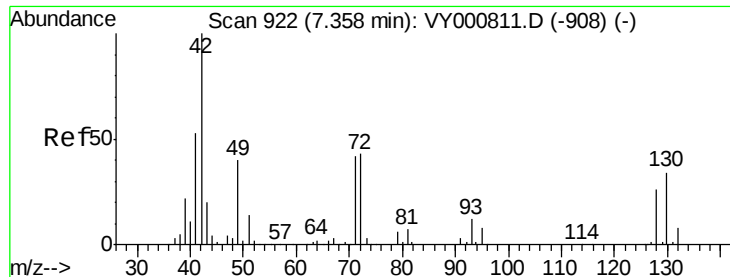
129 0.0 0.0 3.8

130 53.1 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





#29

Tetrahydrofuran

Concen: 1.191 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.02 min

Lab File: VY000845.D

Acq: 03 Dec 2019 17:47

Instrument :

MSVOA_Y

ClientSampled :

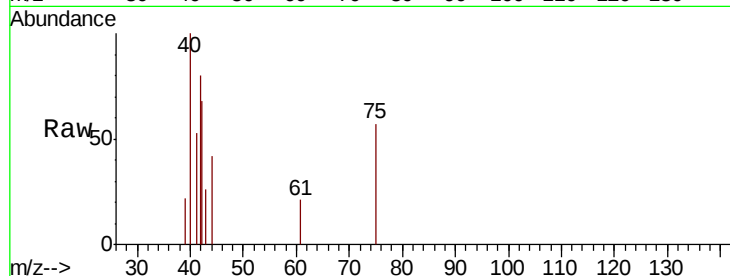
Tot Ion: 42 Resp: 868

Ion Ratio Lower Upper

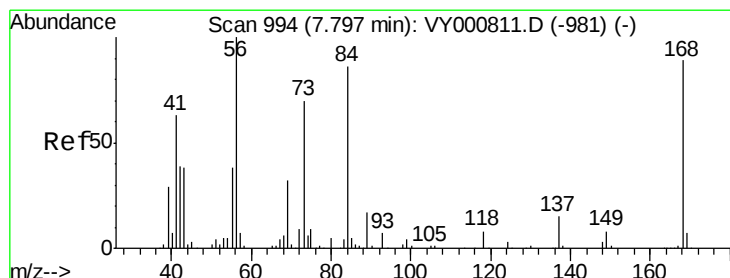
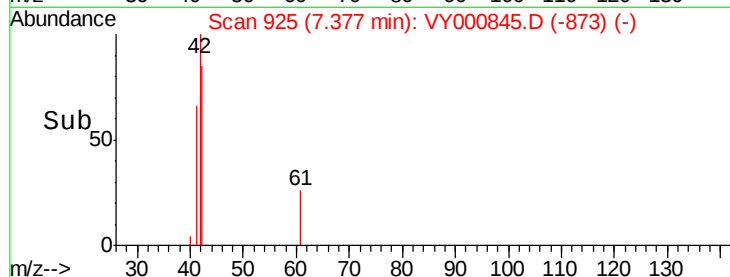
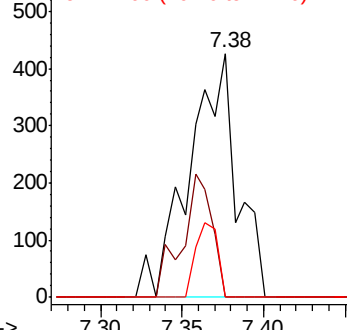
42 100

72 32.1 35.1 52.7#

71 14.3 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: 1.073 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000845.D

Acq: 03 Dec 2019 17:47

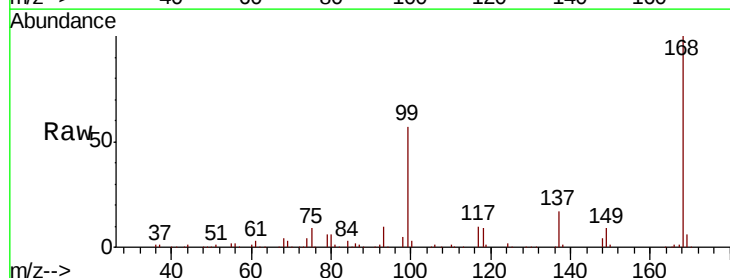
Tgt Ion: 56 Resp: 5915

Ion Ratio Lower Upper

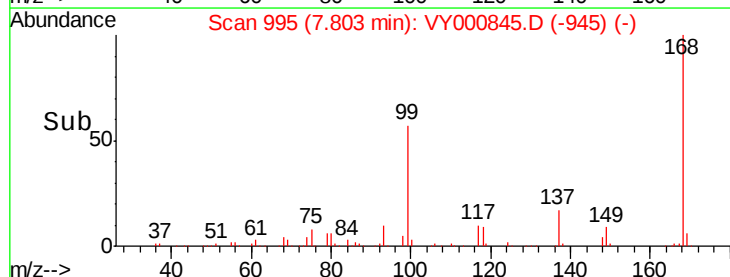
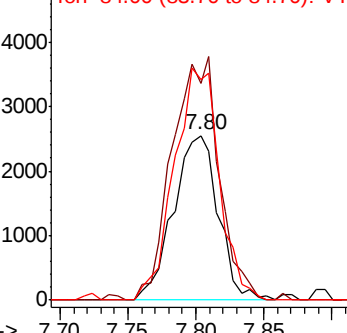
56 100

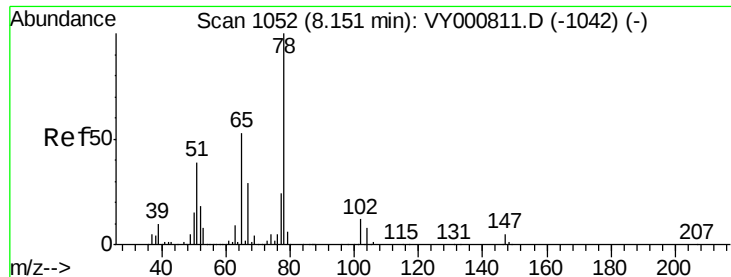
69 131.7 25.9 38.9#

84 134.2 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

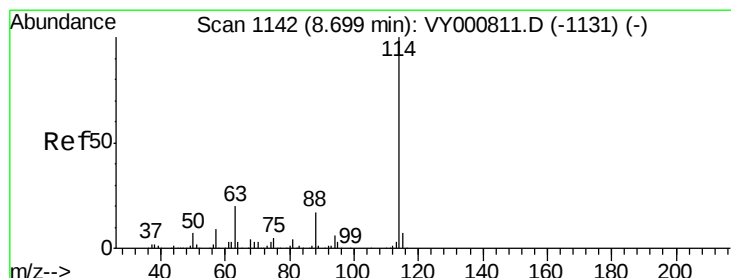
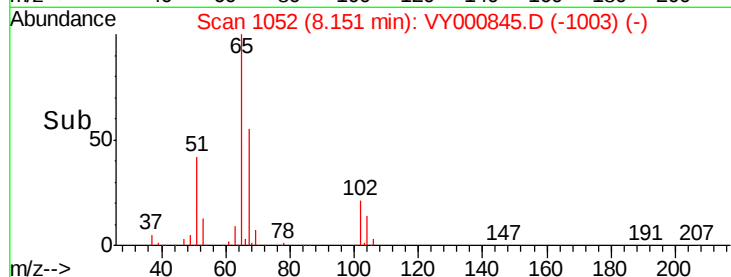
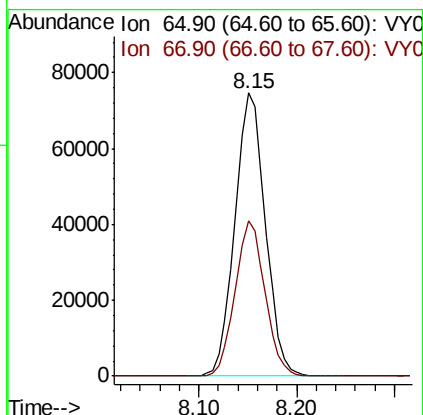
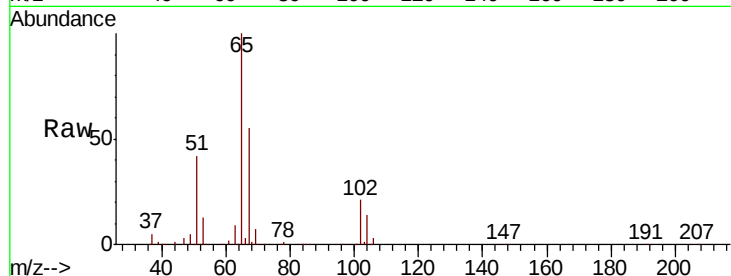




#33
 1,2-Dichloroethane-d4
 Concen: 62.098 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000845.D
 Acq: 03 Dec 2019 17:47

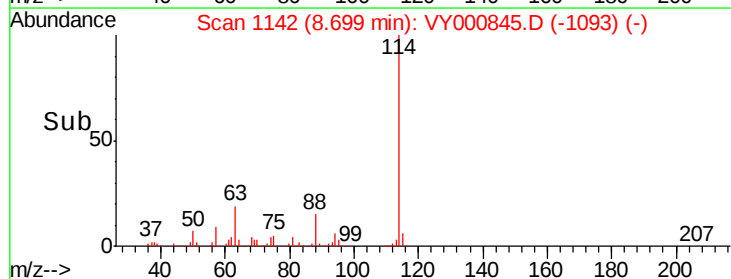
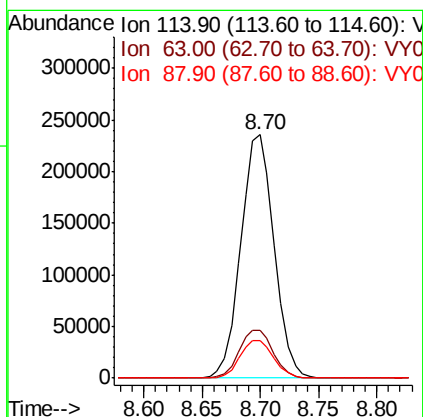
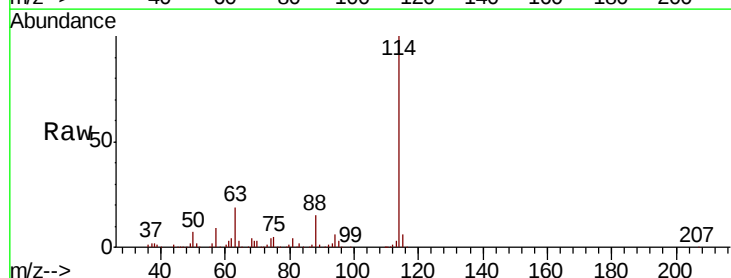
Instrument :
 MSVOA_Y
 ClientSampleId :

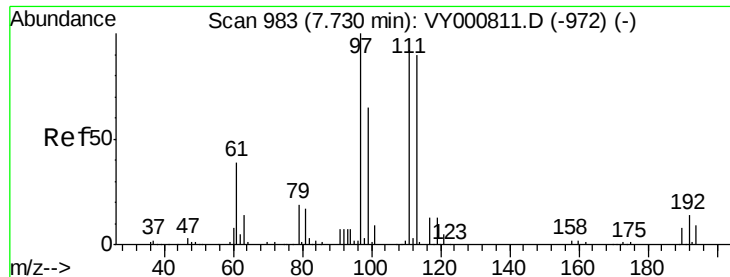
Tot Ion: 65 Resp: 161212
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000845.D
 Acq: 03 Dec 2019 17:47

Tgt Ion: 114 Resp: 468250
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.3 0.0 33.2

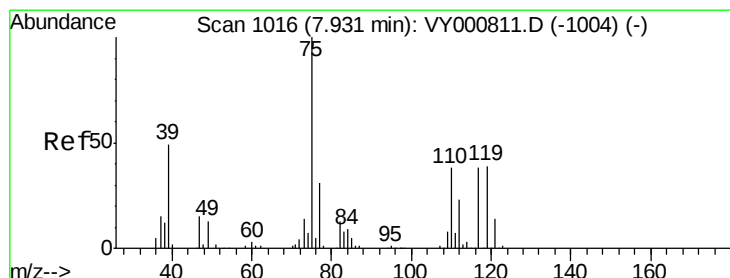
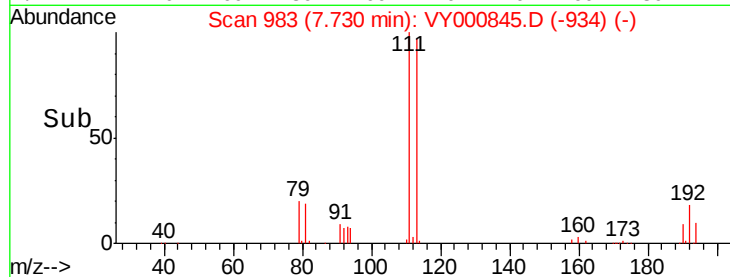
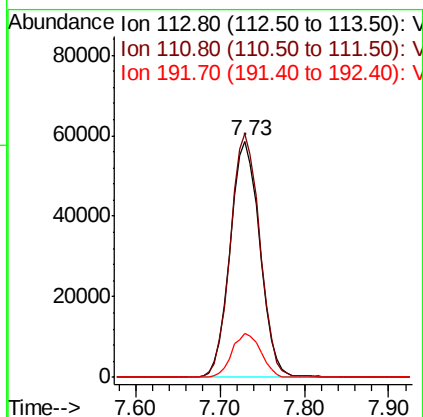
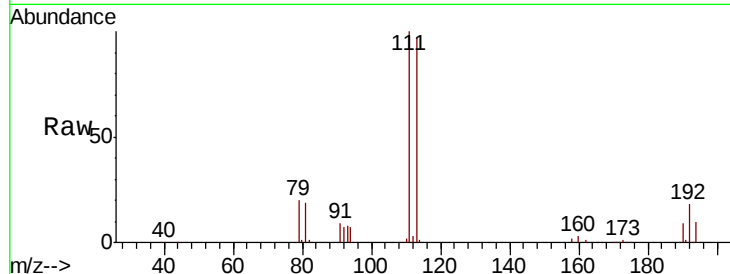




#35
 Dibromofluoromethane
 Concen: 51.217 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000845.D
 Acq: 03 Dec 2019 17:47

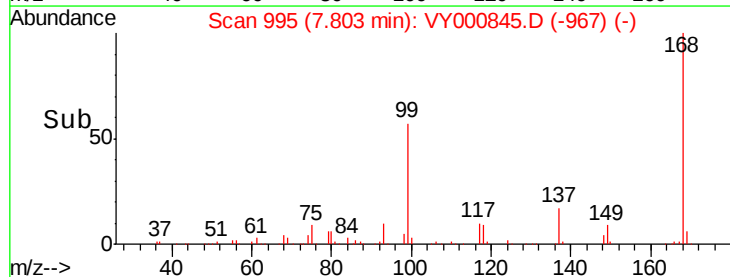
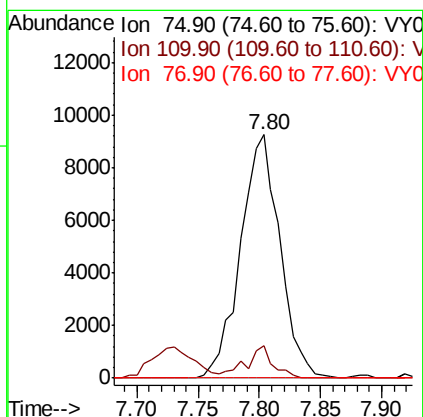
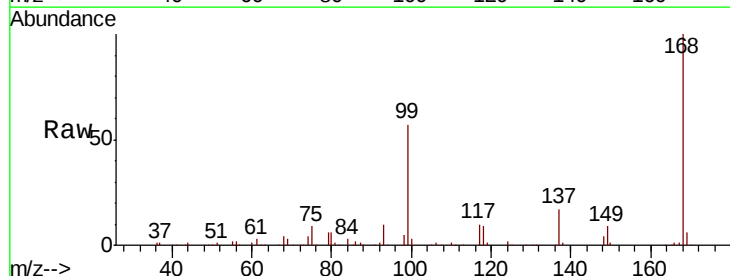
Instrument :
 MSVOA_Y
 ClientSampleId :

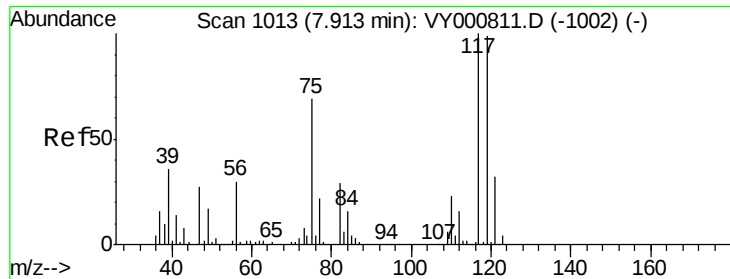
Tot Ion:113 Resp: 139768
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 18.1 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.452 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000845.D
 Acq: 03 Dec 2019 17:47

Tgt Ion: 75 Resp: 20726
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.9 53.7#
 77 0.0 24.7 37.1#

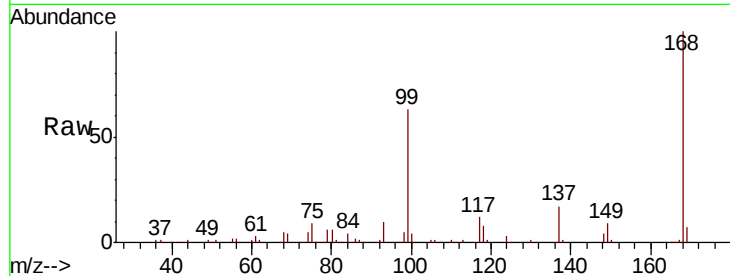




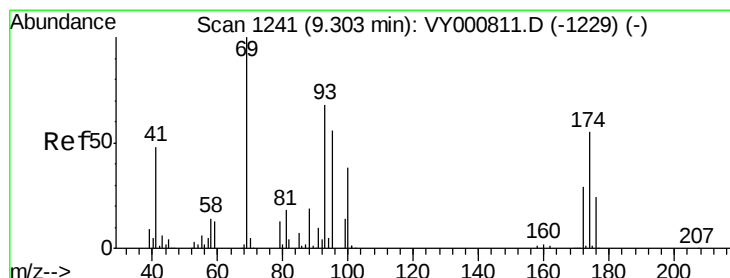
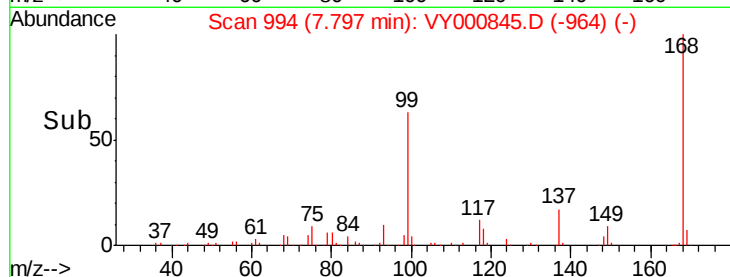
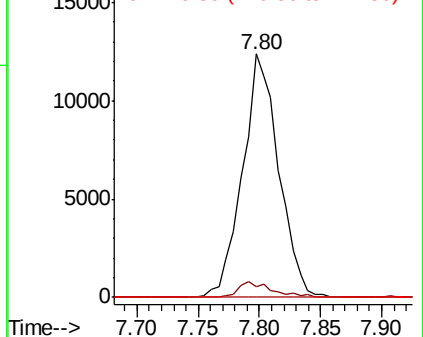
#38
Carbon Tetrachloride
Concen: 6.141 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000845.D
Acq: 03 Dec 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 25464
Ion Ratio Lower Upper
117 100
119 4.5 79.3 118.9#
121 0.0 25.5 38.3#

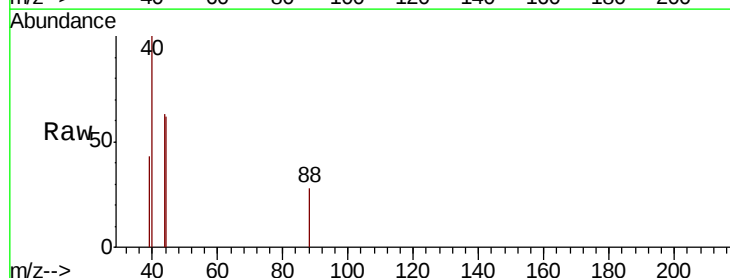


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

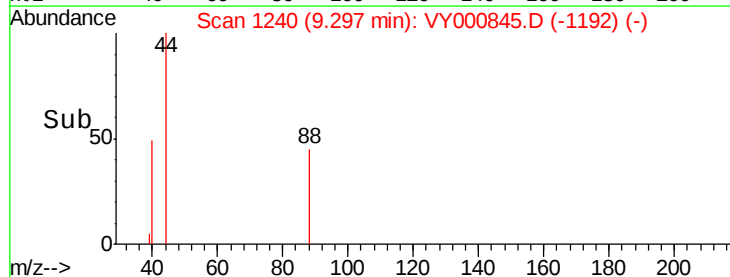
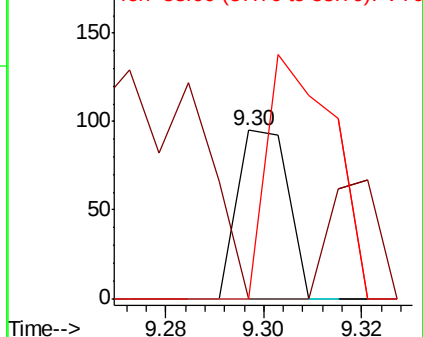


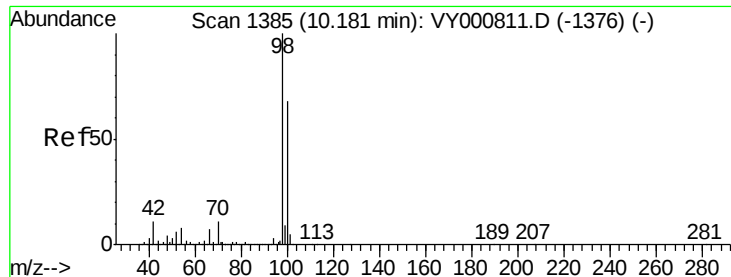
#49
1,4-Dioxane
Concen: 2.696 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000845.D
Acq: 03 Dec 2019 17:47

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 21.1 31.7#
58 191.2 50.7 76.1#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.217 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000845.D

Acq: 03 Dec 2019 17:47

Instrument :

MSVOA_Y

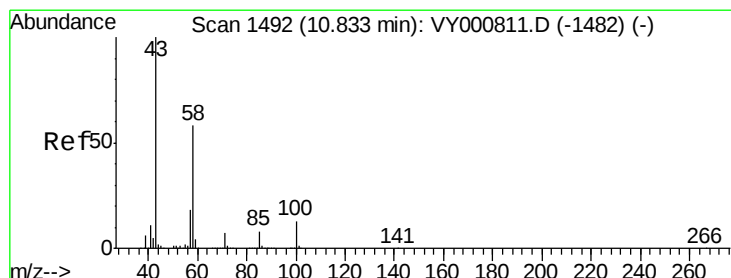
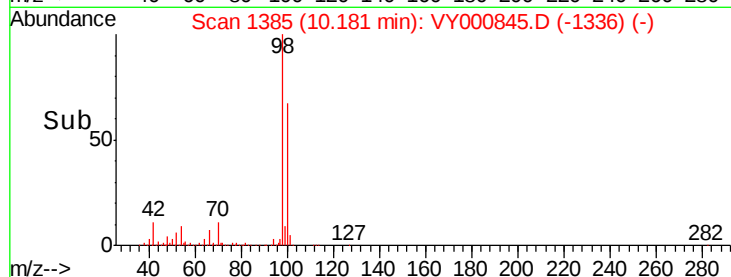
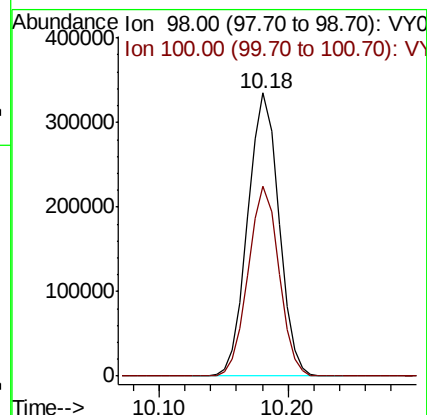
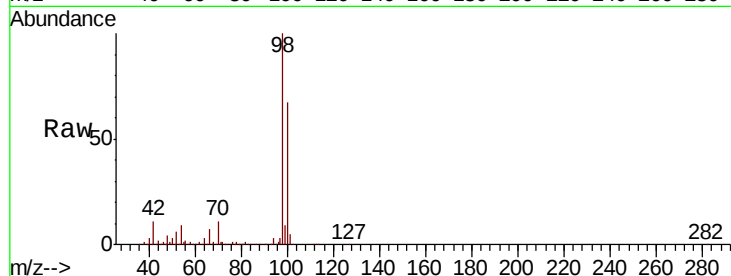
ClientSampleId :

Tot Ion: 98 Resp: 558787

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#59

2-Hexanone

Concen: 1.675 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.04 min

Lab File: VY000845.D

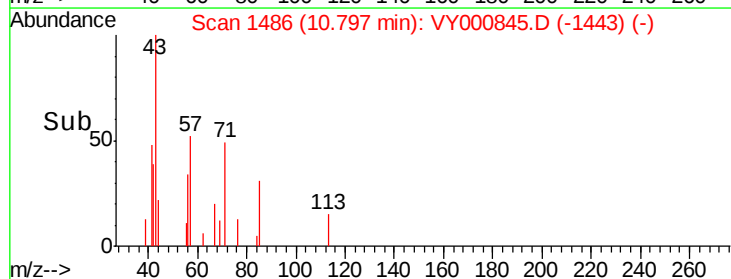
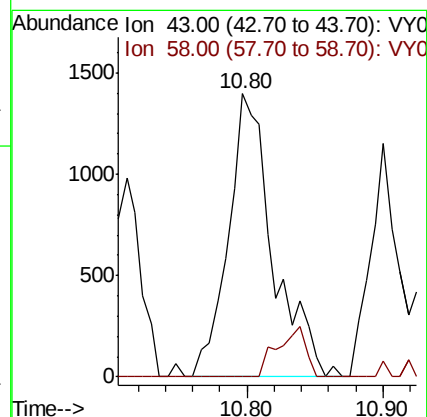
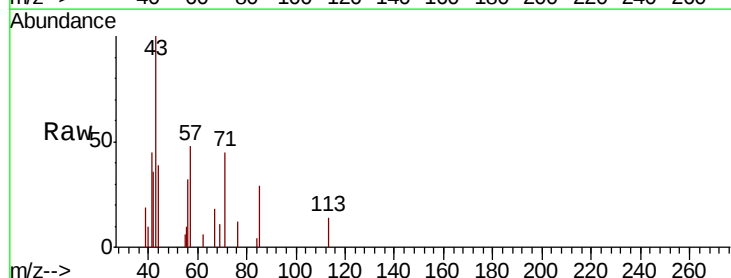
Acq: 03 Dec 2019 17:47

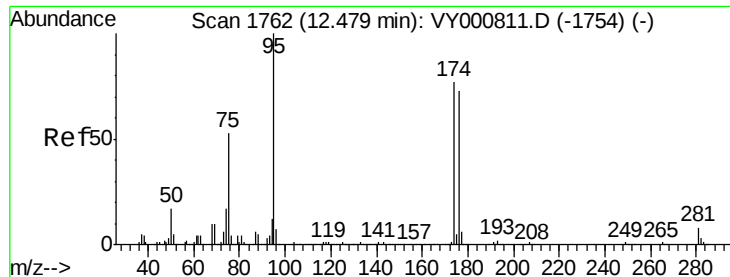
Tgt Ion: 43 Resp: 3194

Ion Ratio Lower Upper

43 100

58 0.0 29.0 87.1#

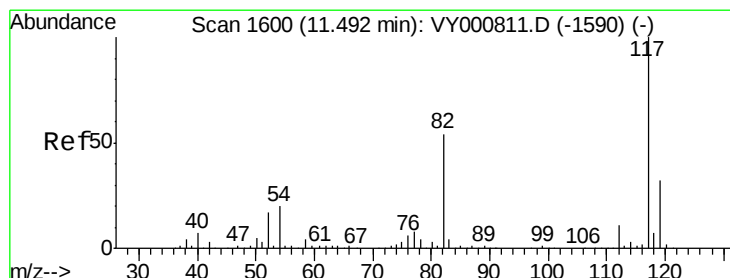
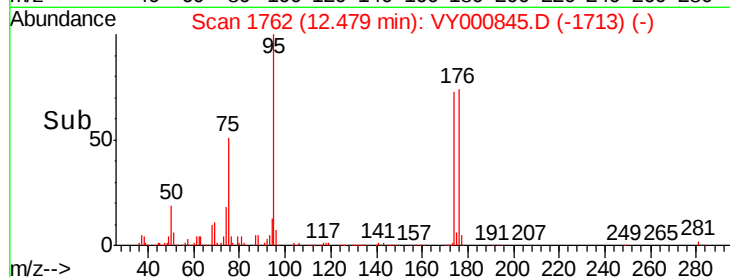
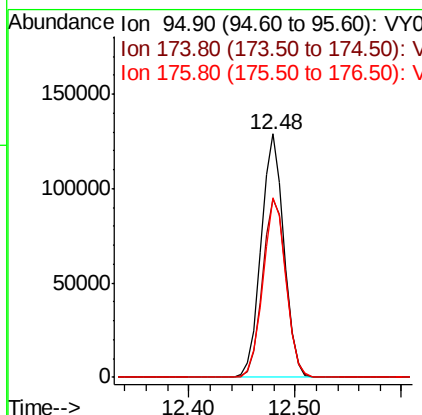
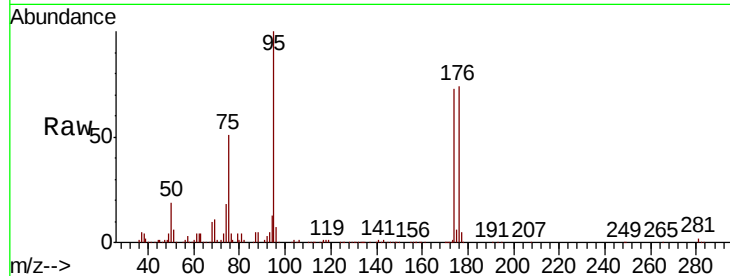




#62
4-Bromofluorobenzene
Concen: 47.234 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000845.D
Acq: 03 Dec 2019 17:47

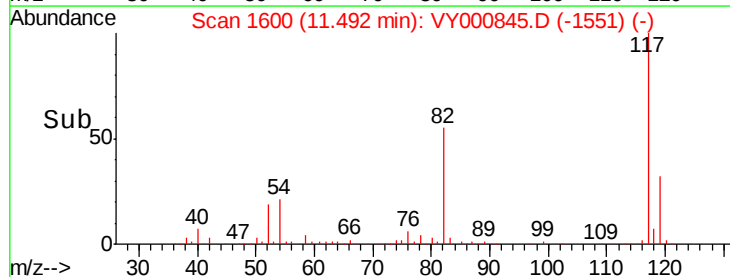
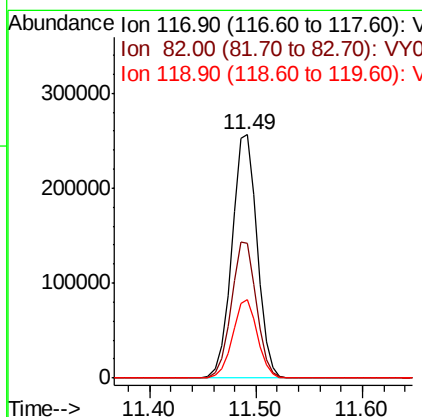
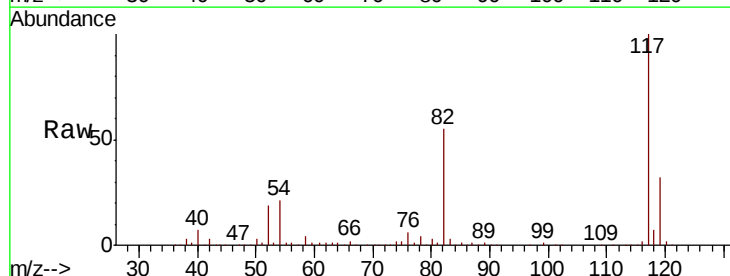
Instrument :
MSVOA_Y
ClientSampleId :

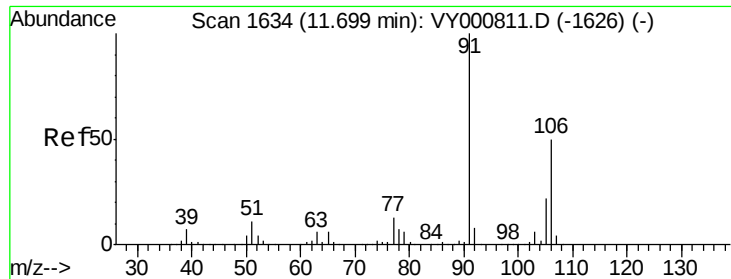
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.6
176	73.9	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000845.D
Acq: 03 Dec 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.1	64.7
119	32.3	25.3	37.9

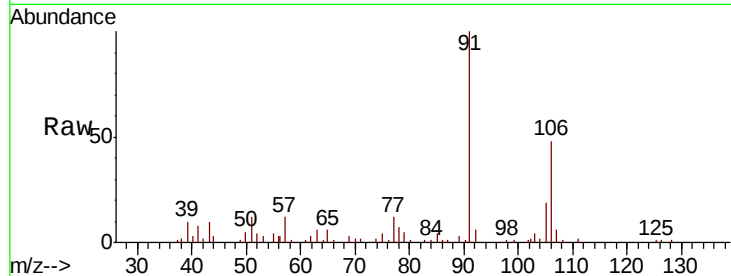




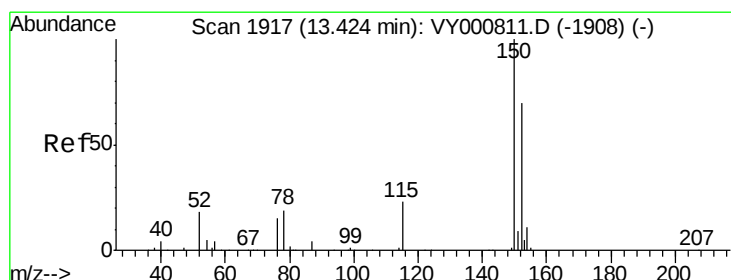
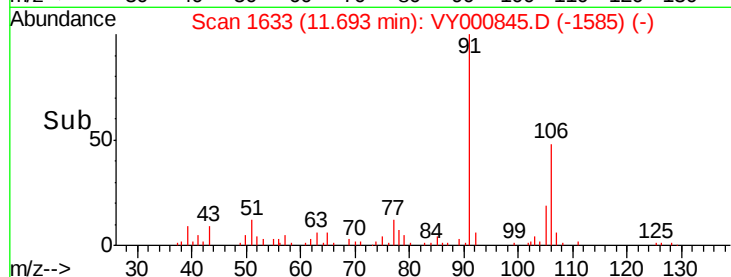
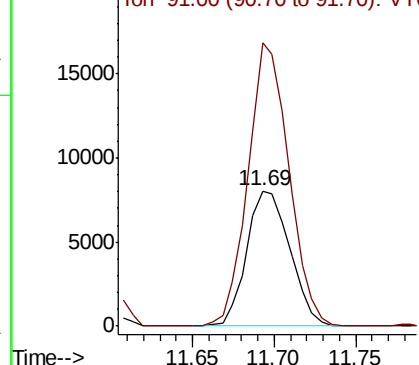
#68
m/p-Xvlenes
Concen: 2.397 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY000845.D
Acq: 03 Dec 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 14778
Ion Ratio Lower Upper
106 100
91 199.4 159.6 239.4

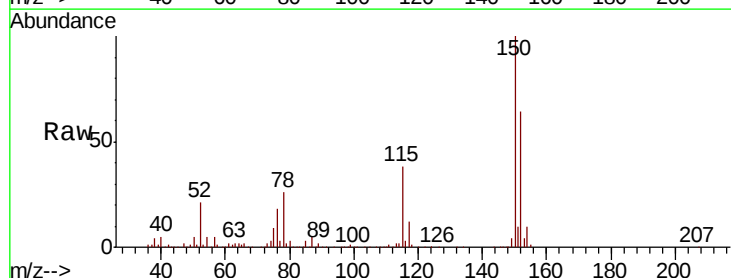


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

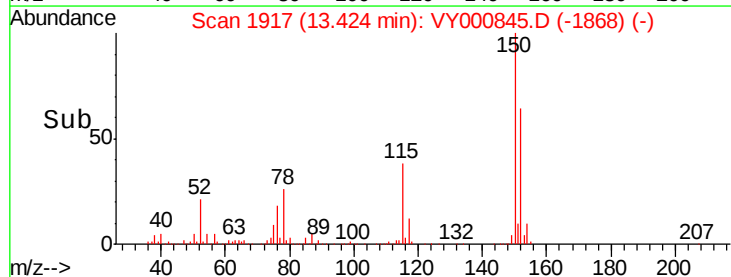
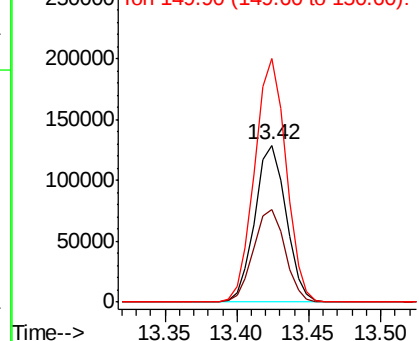


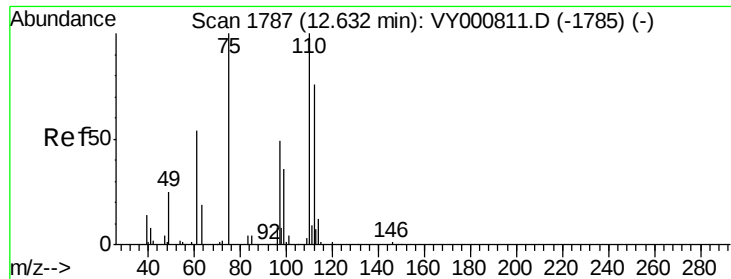
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000845.D
Acq: 03 Dec 2019 17:47

Tgt Ion:152 Resp: 192789
Ion Ratio Lower Upper
152 100
115 59.8 29.3 87.8
150 156.5 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: 46.117 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000845.D

Acq: 03 Dec 2019 17:47

Instrument :

MSVOA_Y

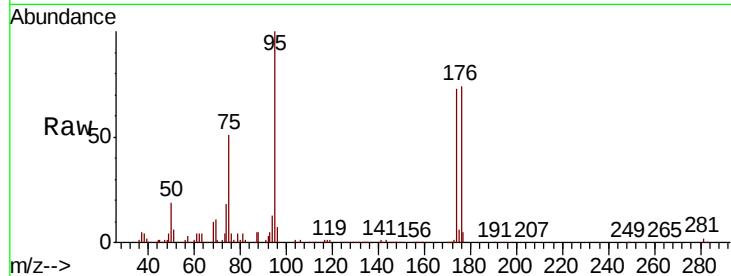
ClientSampleId :

Tot Ion: 75 Resp: 100732

Ion Ratio Lower Upper

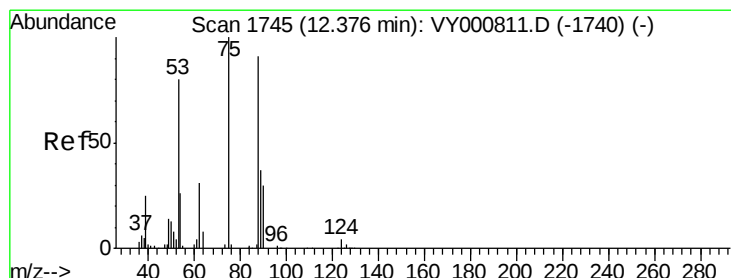
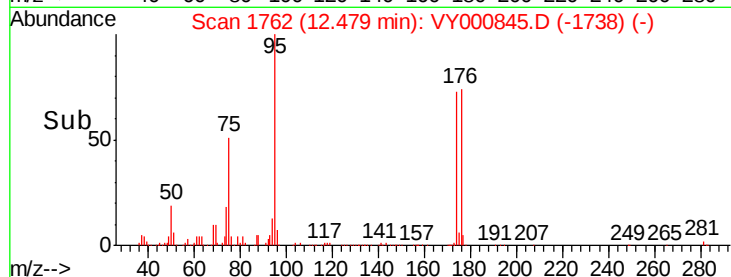
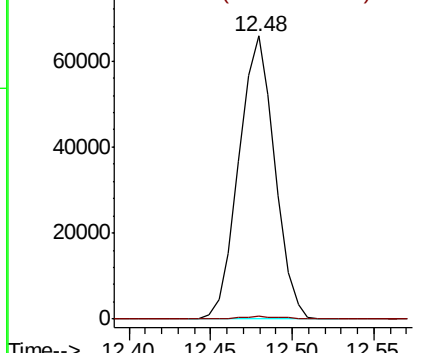
75 100

77 1.0 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: 90.587 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000845.D

Acq: 03 Dec 2019 17:47

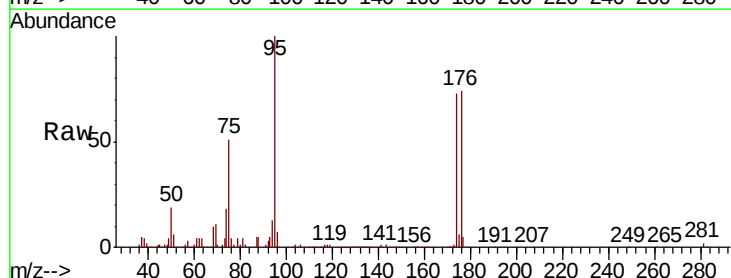
Tgt Ion: 75 Resp: 100732

Ion Ratio Lower Upper

75 100

53 0.0 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

