

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
 Data File : VY000917.D
 Acq On : 09 Dec 2019 17:11
 Operator : SY/MD
 Sample : K6204-03
 Misc : 6.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 06:25:37 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	257521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	466221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	403396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	169131	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	149507	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	
35) Dibromofluoromethane	7.72	113	135773	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	10.18	98	547727	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.47	95	181569	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

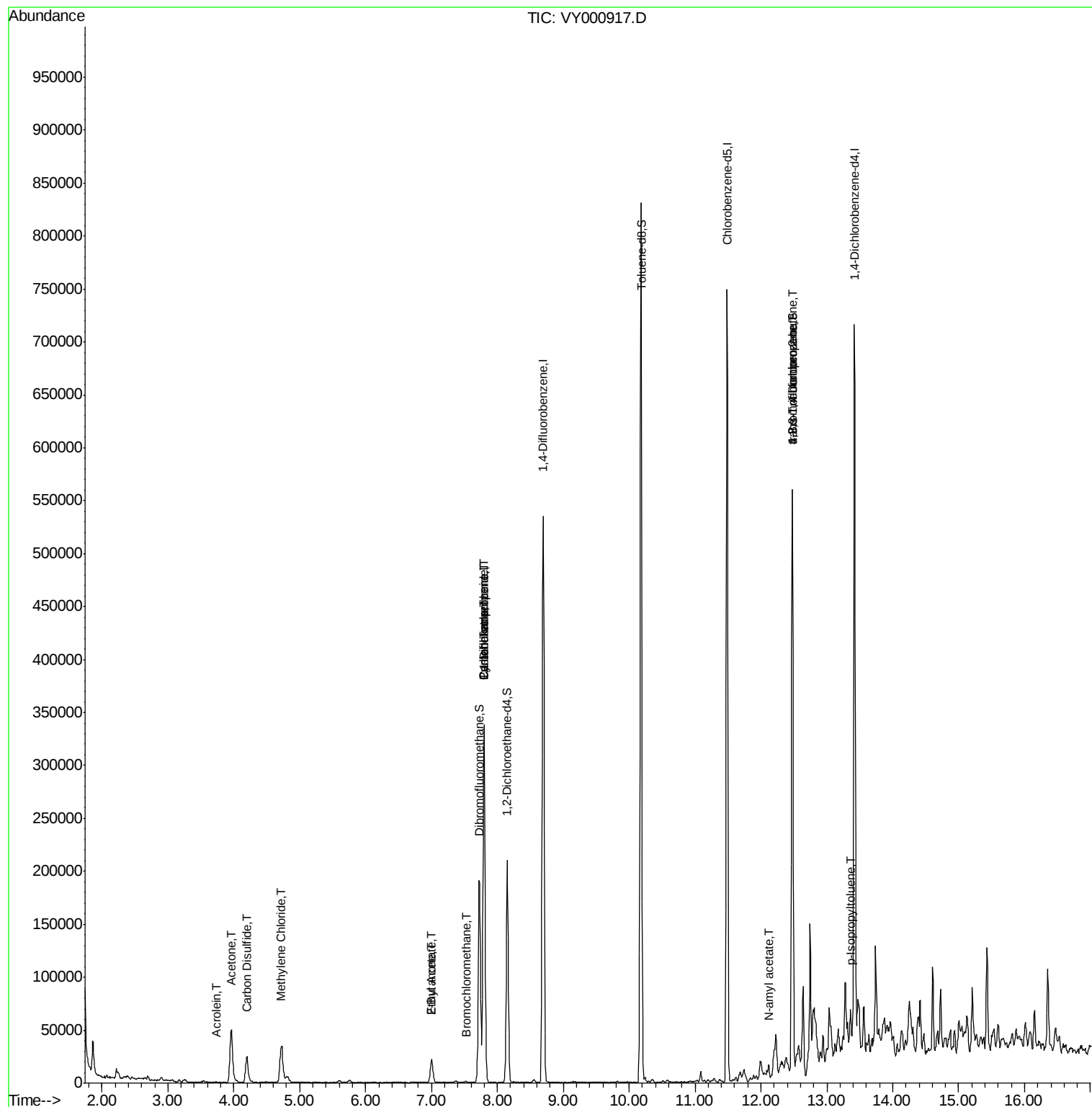
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.64	94	81	Below Cal	#	3
13) Acrolein	3.73	56	679	2.504	ug/l #	59
16) Acetone	3.96	43	90374	143.971	ug/l	96
17) Carbon Disulfide	4.20	76	47430	5.194	ug/l #	93
20) Methylene Chloride	4.72	84	26638	8.051	ug/l	91
25) 2-Butanone	7.00	43	36284	31.291	ug/l	91
28) Bromochloromethane	7.54	49	22	2.026	ug/l #	15
31) Cyclohexane	7.80	56	6075	1.046	ug/l #	16
36) 1,1-Dichloropropene	7.80	75	21210	4.575	ug/l #	49
37) Ethyl Acetate	7.00	43	36284	13.556	ug/l #	67
38) Carbon Tetrachloride	7.80	117	24884	6.028	ug/l #	15
74) N-amyl acetate	12.11	43	4022	1.073	ug/l #	49
76) 1,2,3-Trichloropropane	12.48	75	91143	47.564	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91143	93.428	ug/l #	17
86) p-Isopropyltoluene	13.36	119	12933	1.091	ug/l	95

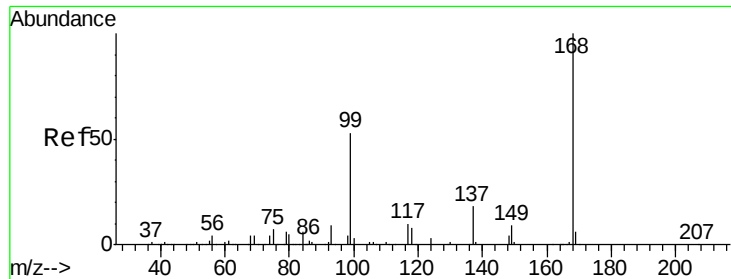
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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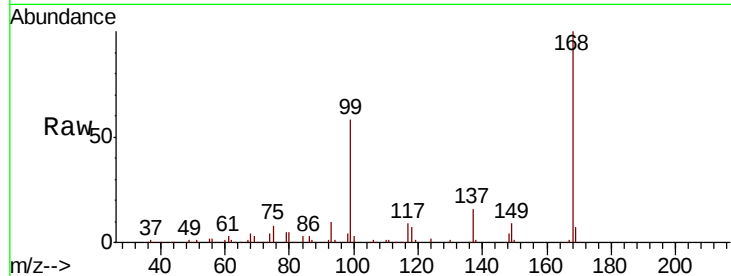


#1

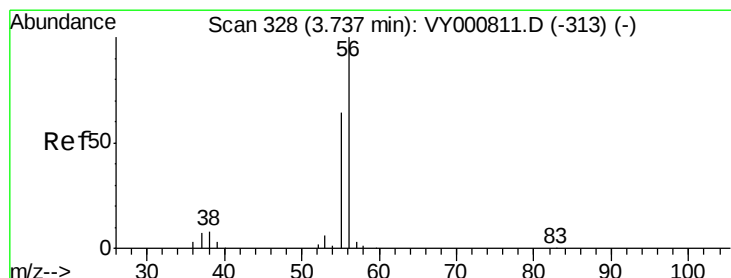
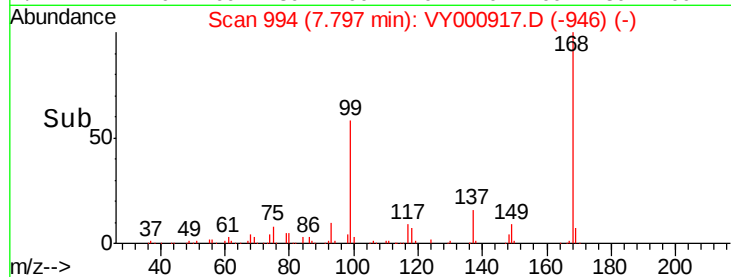
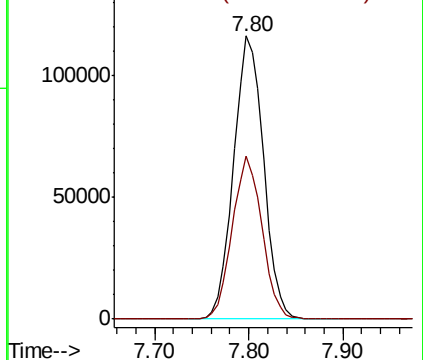
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VY000917.D
 Acq: 09 Dec 2019 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:168 Resp: 257521
 Ion Ratio Lower Upper
 168 100
 99 57.7 45.0 67.6



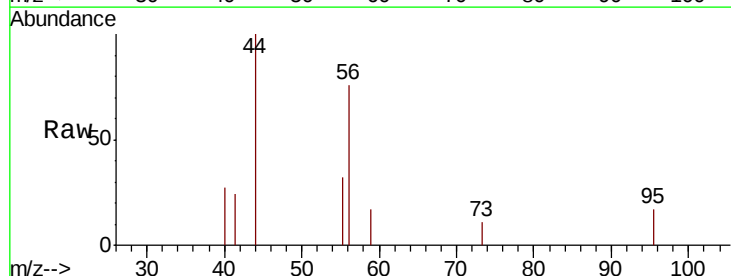
Abundance Ion 167.90 (167.60 to 168.60): VY000917.D (-946) (-)
 Ion 98.90 (98.60 to 99.60): VY000917.D (-946) (-)



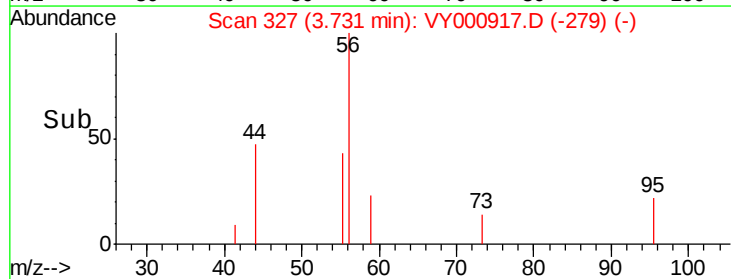
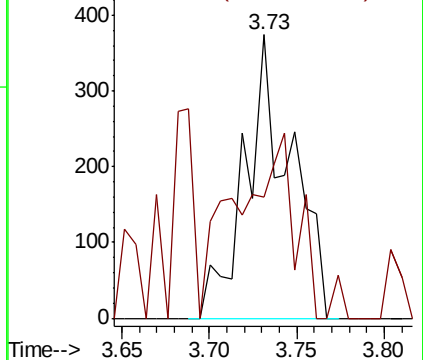
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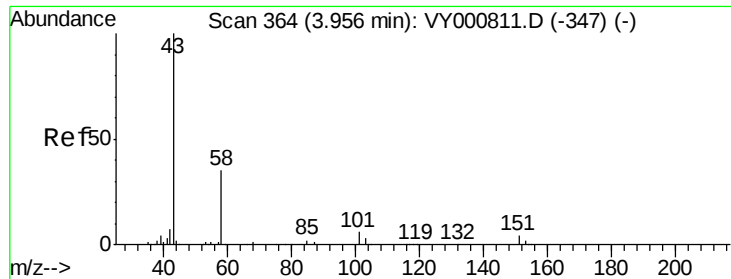
Acrolein
 Concen: 2.504 ug/l
 RT: 3.73 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VY000917.D
 Acq: 09 Dec 2019 17:11

Tgt Ion: 56 Resp: 679
 Ion Ratio Lower Upper
 56 100
 55 36.4 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VY000917.D (-279) (-)
 Ion 55.00 (54.70 to 55.70): VY000917.D (-279) (-)





#16

Acetone

Concen: 143.971 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000917.D

Acq: 09 Dec 2019 17:11

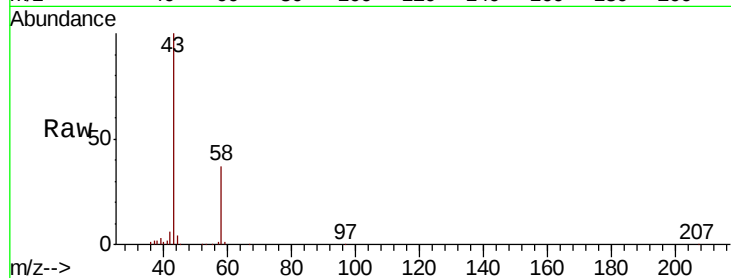
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 90374

Ion Ratio Lower Upper

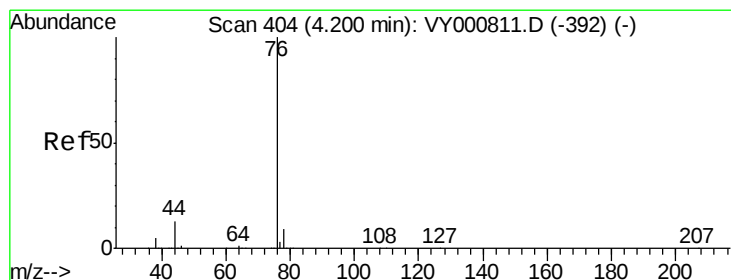
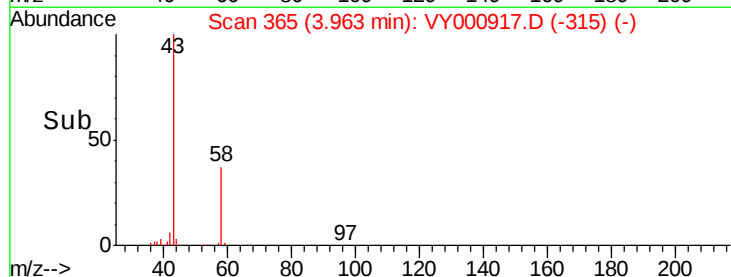
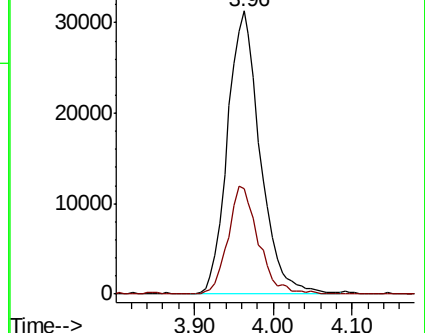
43 100

58 37.2 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) (-)



#17

Carbon Disulfide

Concen: 5.194 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000917.D

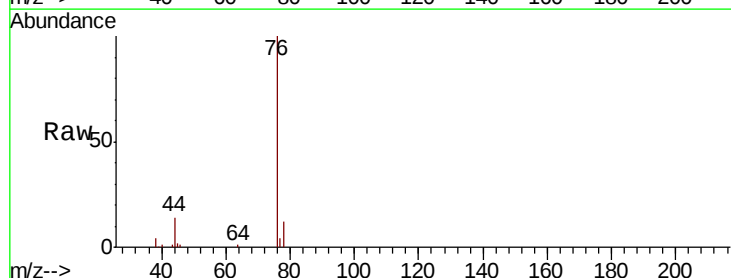
Acq: 09 Dec 2019 17:11

Tgt Ion: 76 Resp: 47430

Ion Ratio Lower Upper

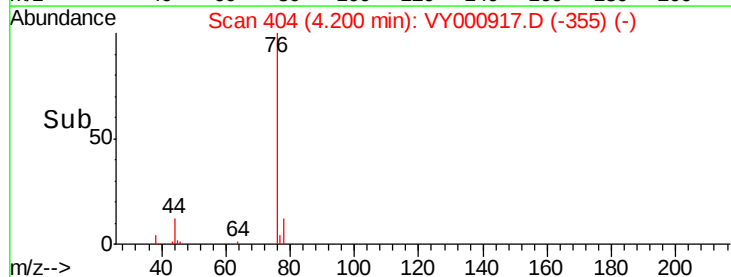
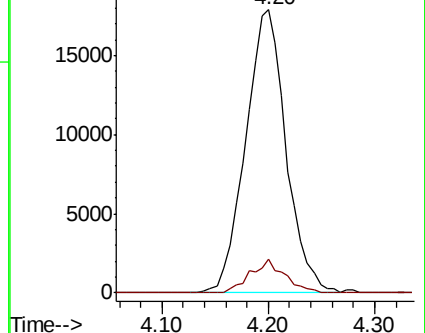
76 100

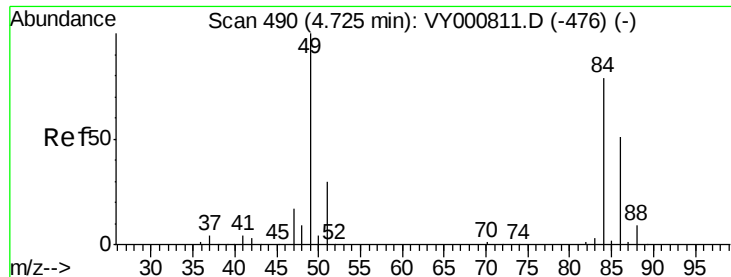
78 11.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VY000811.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VY000811.D (-392) (-)

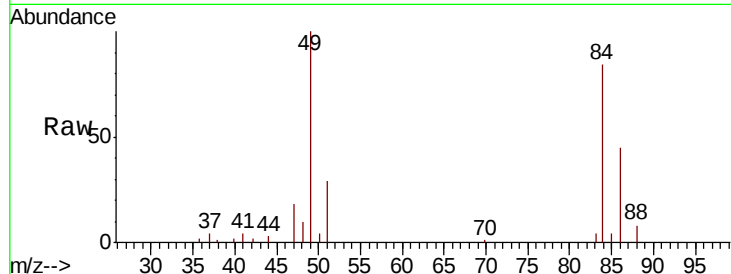




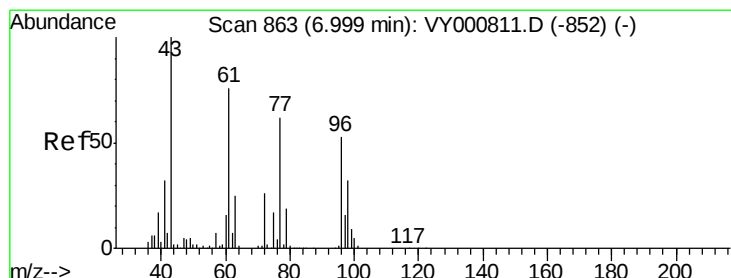
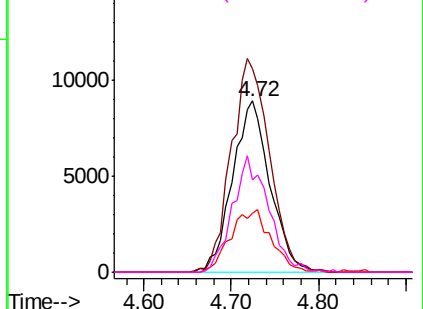
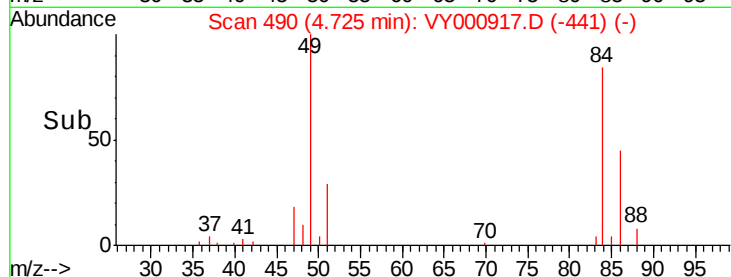
#20
Methylene Chloride
Concen: 8.051 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000917.D
Acq: 09 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 26638
Ion Ratio Lower Upper
84 100
49 119.0 101.3 151.9
51 34.1 30.6 45.8
86 53.5 51.3 76.9

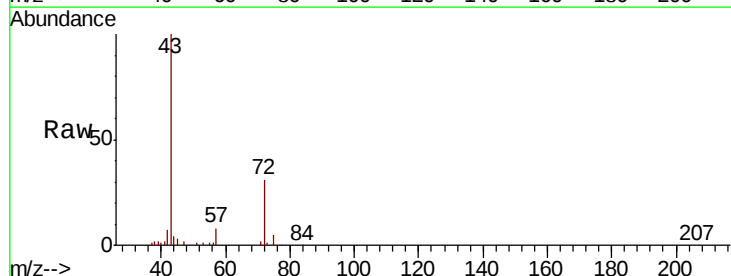


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

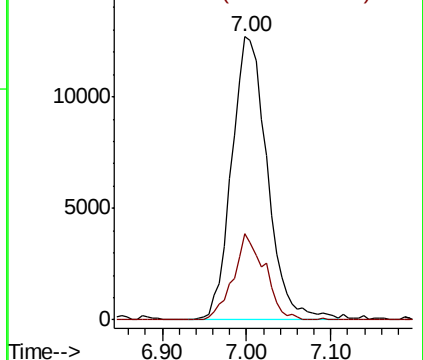
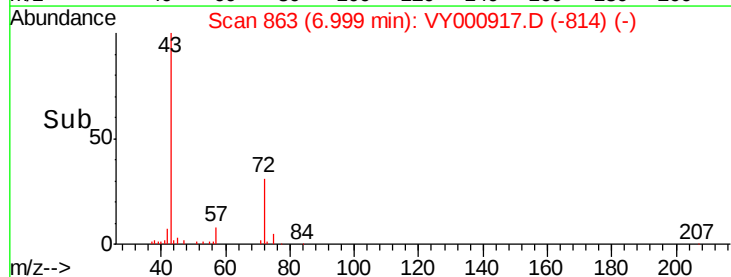


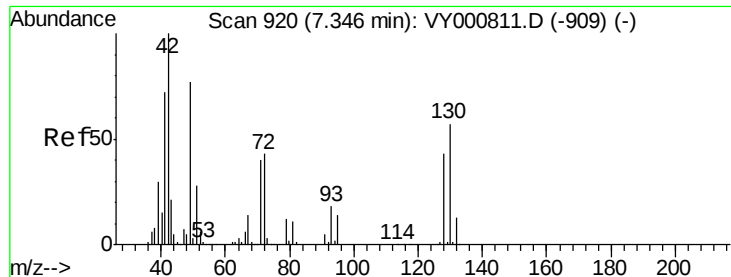
#25
2-Butanone
Concen: 31.291 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000917.D
Acq: 09 Dec 2019 17:11

Tgt Ion: 43 Resp: 36284
Ion Ratio Lower Upper
43 100
72 30.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

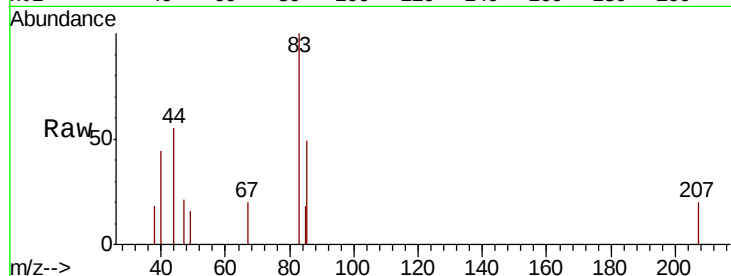




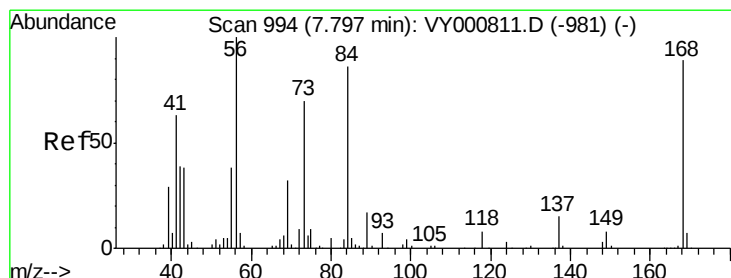
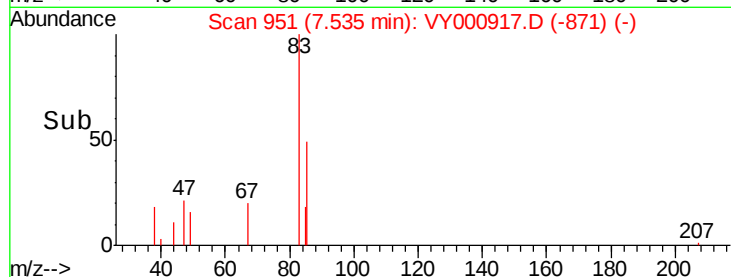
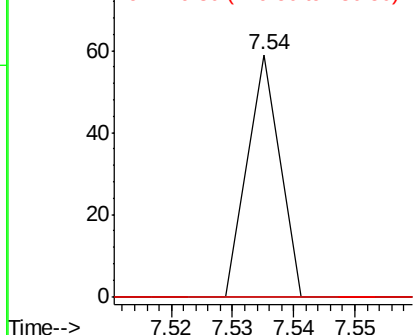
#28
Bromochloromethane
Concen: 2.026 ug/l
RT: 7.54 min Scan# 951
Delta R.T. 0.19 min
Lab File: VY000917.D
Acq: 09 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 22
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#

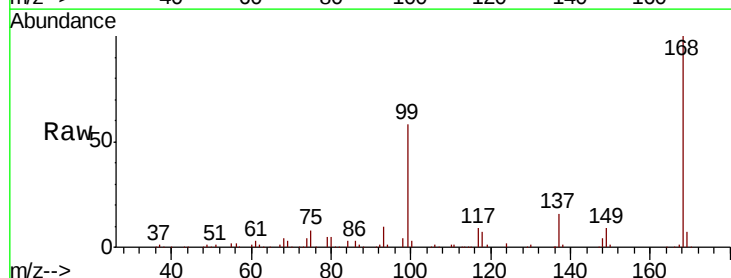


Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

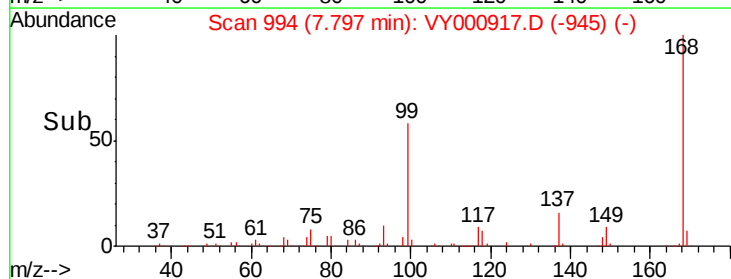
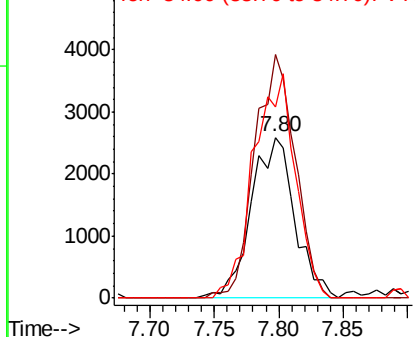


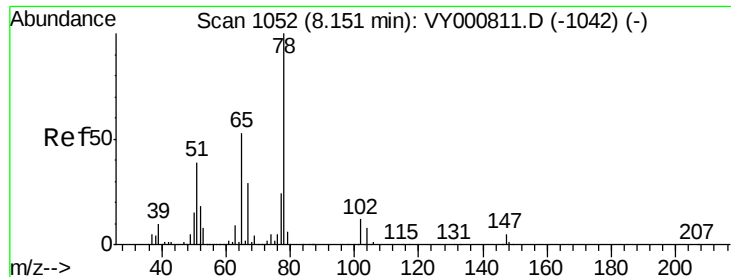
#31
Cyclohexane
Concen: 1.046 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY000917.D
Acq: 09 Dec 2019 17:11

Tgt Ion: 56 Resp: 6075
Ion Ratio Lower Upper
56 100
69 151.5 25.9 38.9#
84 118.8 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

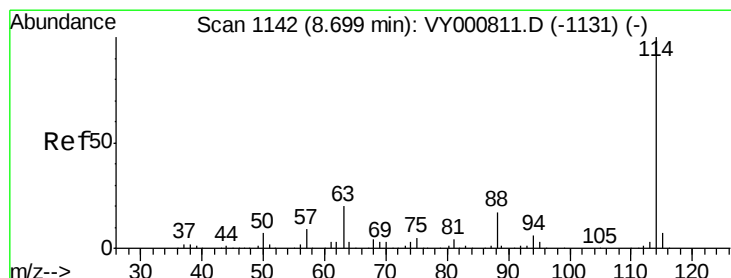
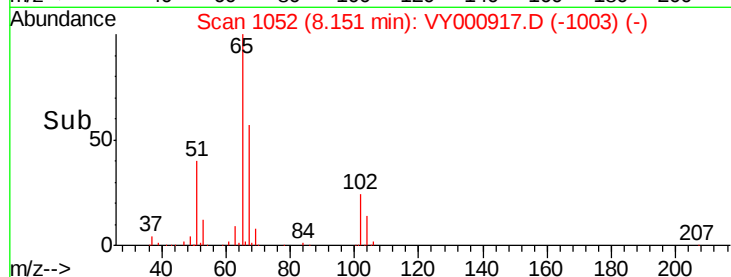
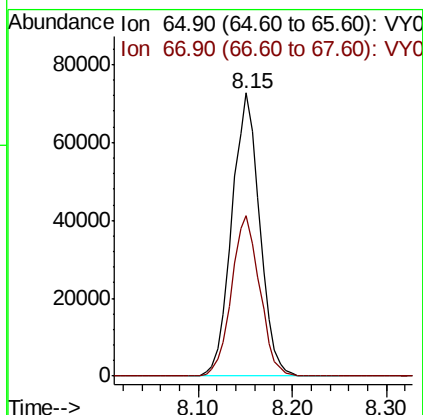
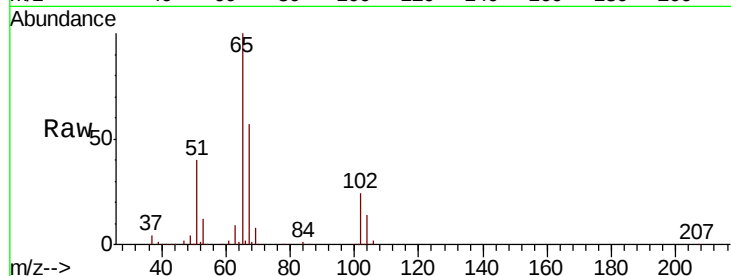




#33
 1,2-Dichloroethane-d4
 Concen: 54.637 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000917.D
 Acq: 09 Dec 2019 17:11

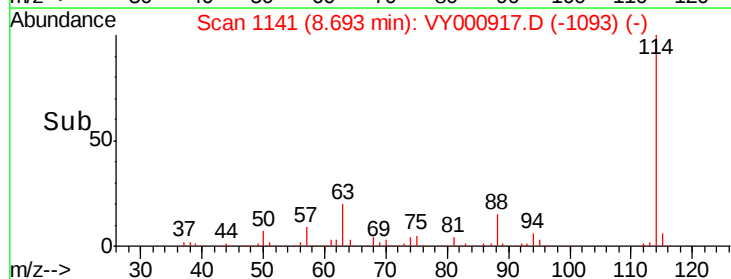
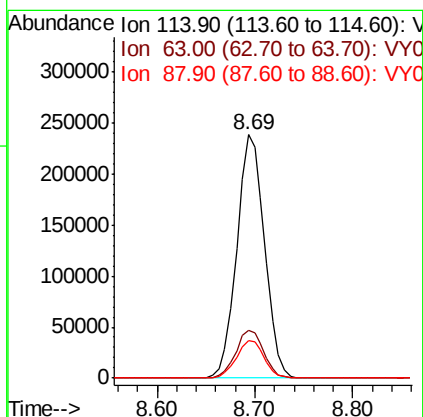
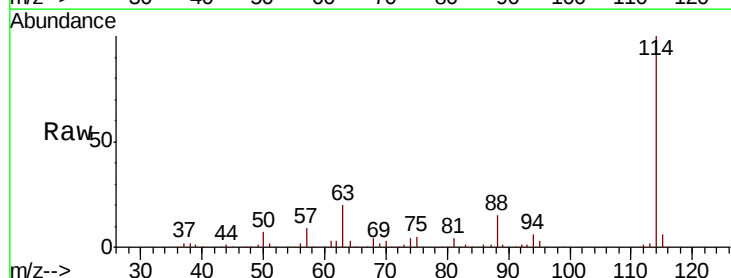
Instrument :
 MSVOA_Y
 ClientSampleId :

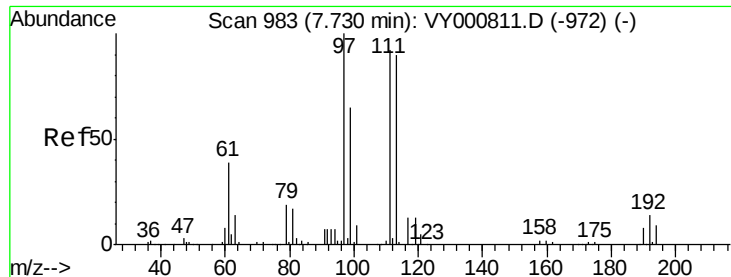
Tot Ion: 65 Resp: 149507
 Ion Ratio Lower Upper
 65 100
 67 57.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000917.D
 Acq: 09 Dec 2019 17:11

Tgt Ion: 114 Resp: 466221
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.3 0.0 33.2

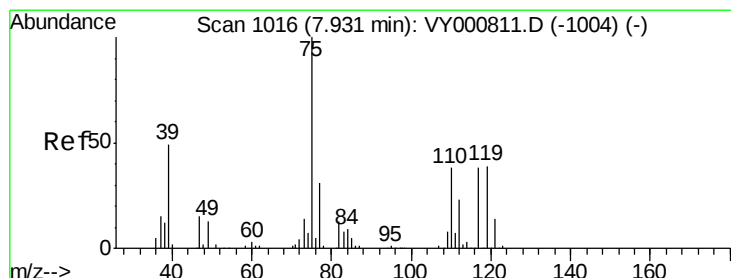
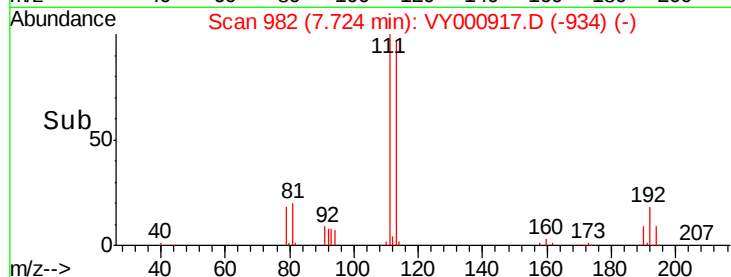
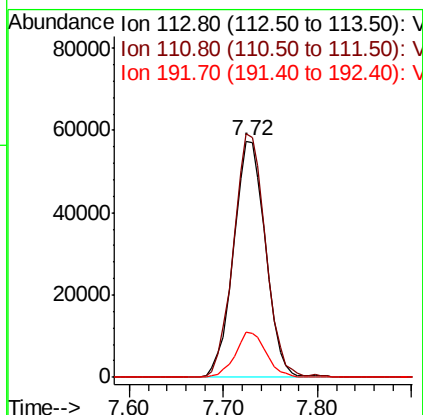
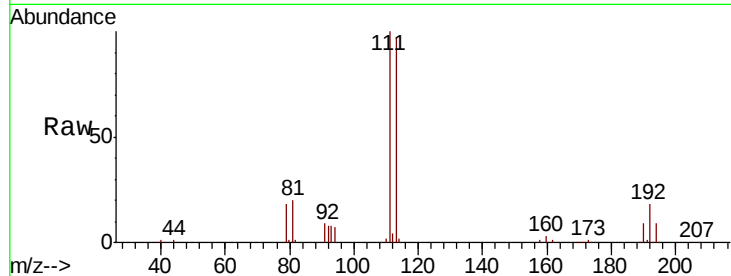




#35
 Dibromofluoromethane
 Concen: 49.969 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000917.D
 Acq: 09 Dec 2019 17:11

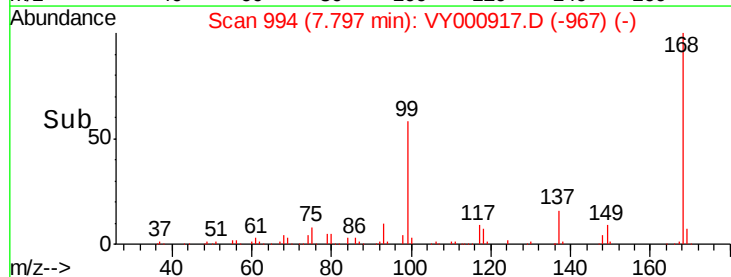
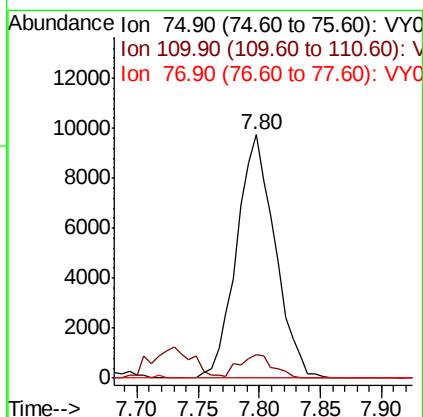
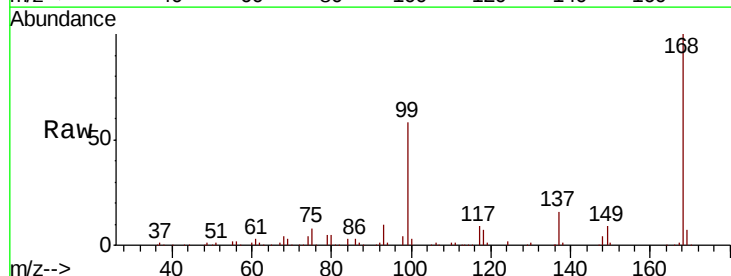
Instrument :
 MSVOA_Y
 ClientSampleId :

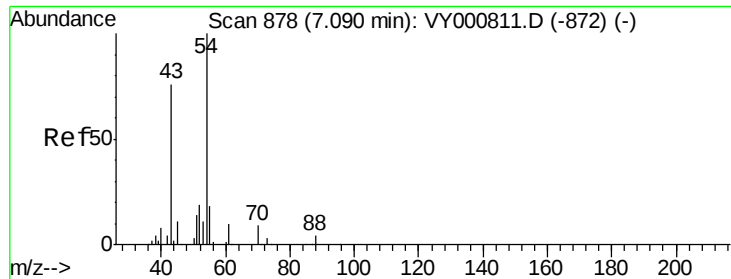
Tot Ion:113 Resp: 135773
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.4 123.6
 192 18.5 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000917.D
 Acq: 09 Dec 2019 17:11

Tgt Ion: 75 Resp: 21210
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.9 53.7#
 77 0.0 24.7 37.1#

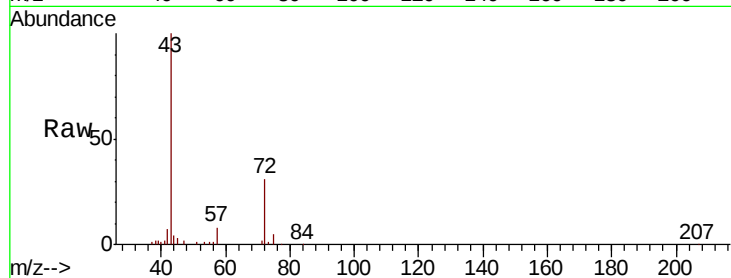




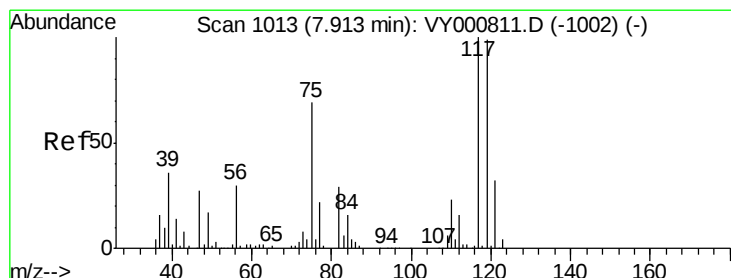
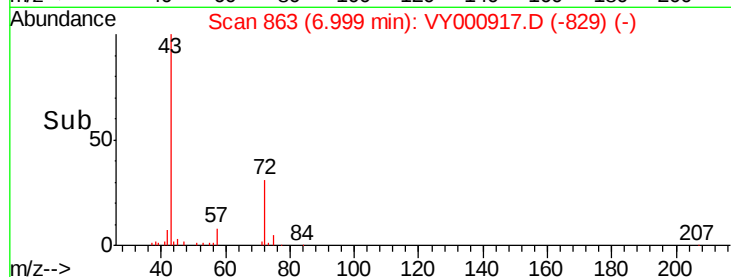
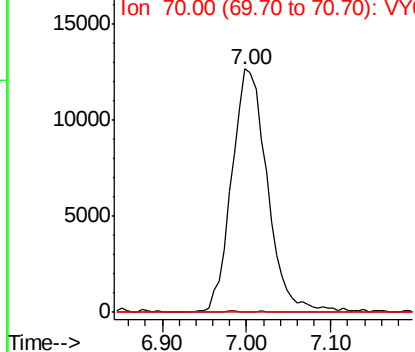
#37
Ethyl Acetate
Concen: 13.556 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.09 min
Lab File: VY000917.D
Acq: 09 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 36284
Ion Ratio Lower Upper
43 100
61 0.2 11.8 17.8#
70 0.0 8.7 13.1#

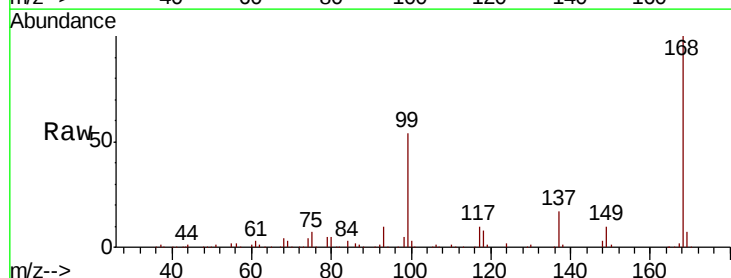


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

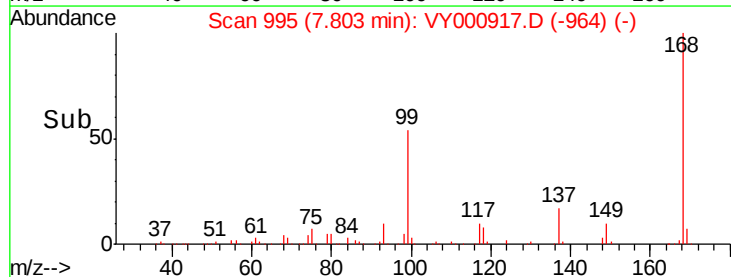
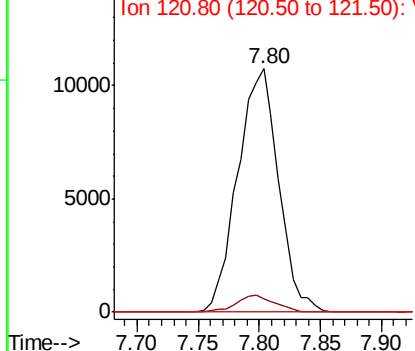


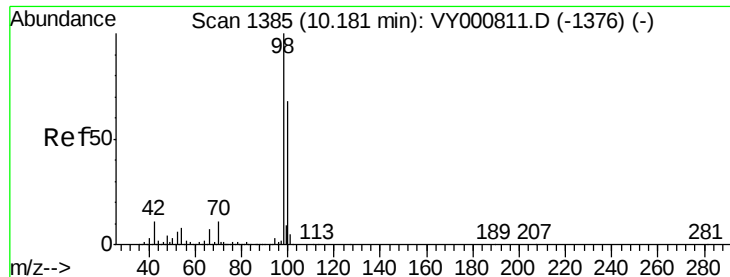
#38
Carbon Tetrachloride
Concen: 6.028 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000917.D
Acq: 09 Dec 2019 17:11

Tgt Ion: 117 Resp: 24884
Ion Ratio Lower Upper
117 100
119 5.5 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





#50

Toluene-d8

Concen: 50.422 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000917.D

Acq: 09 Dec 2019 17:11

Instrument :

MSVOA_Y

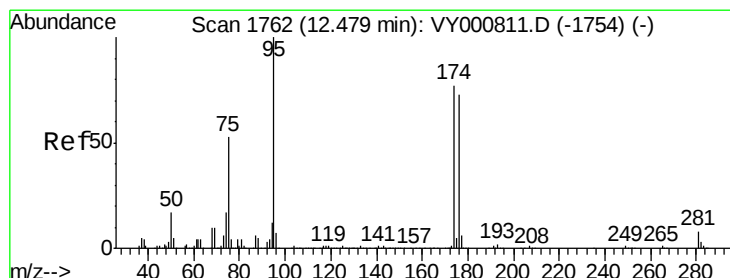
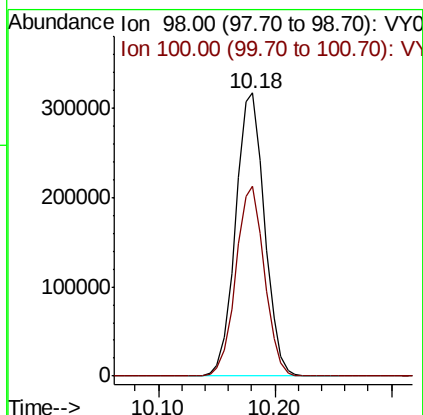
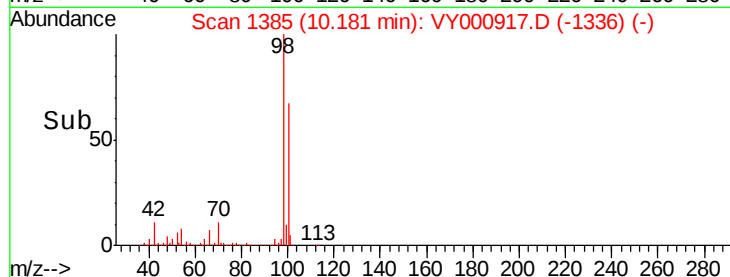
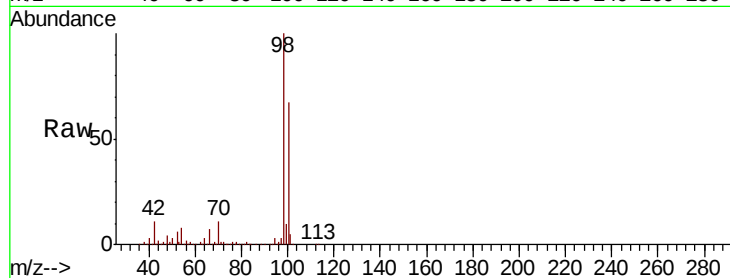
ClientSampleId :

Tot Ion: 98 Resp: 547727

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.506 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY000917.D

Acq: 09 Dec 2019 17:11

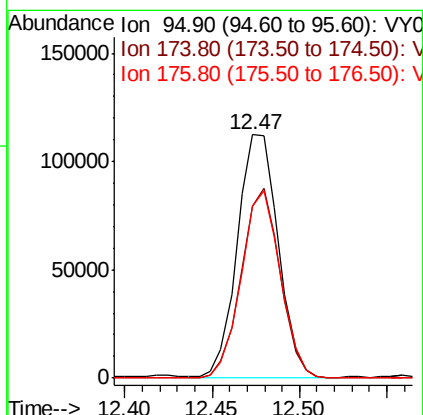
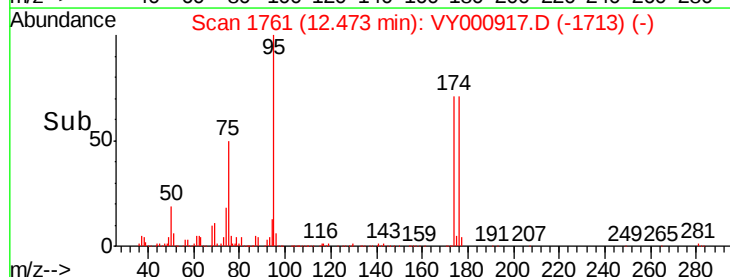
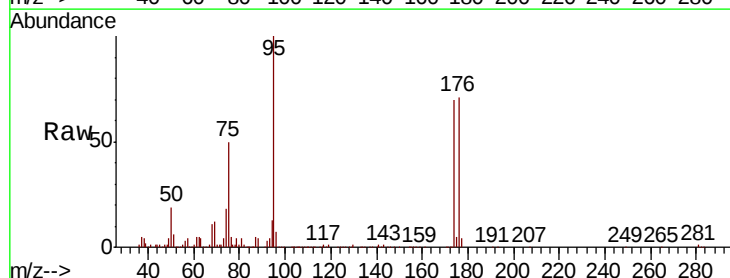
Tgt Ion: 95 Resp: 181569

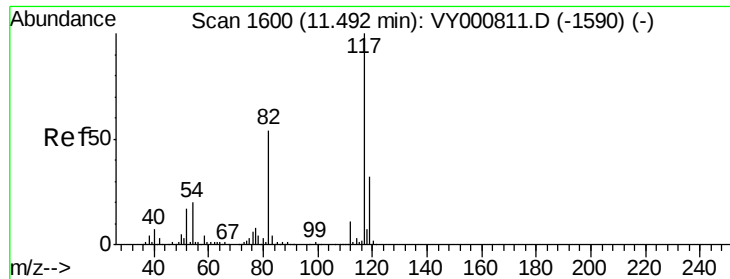
Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.6

176 74.1 0.0 145.2

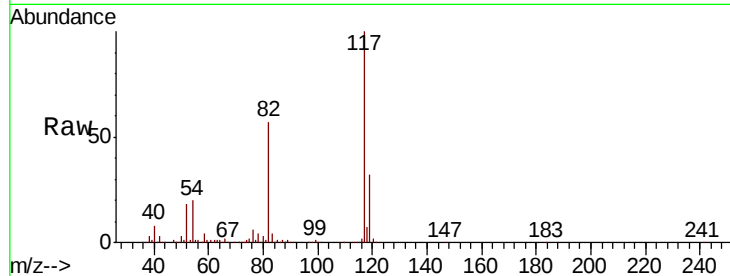




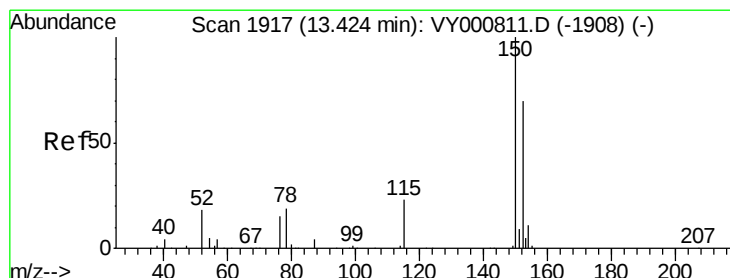
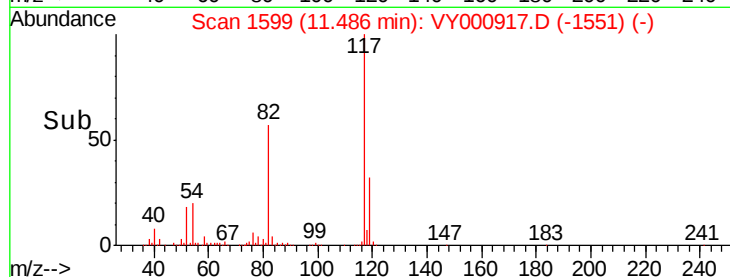
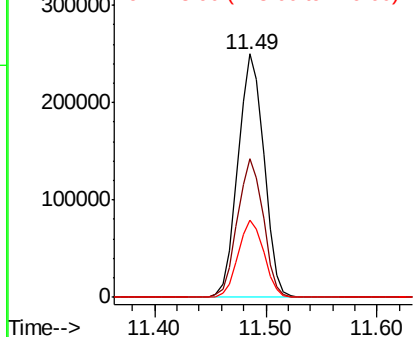
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000917.D
Acq: 09 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 403396
Ion Ratio Lower Upper
117 100
82 56.7 43.1 64.7
119 32.0 25.3 37.9

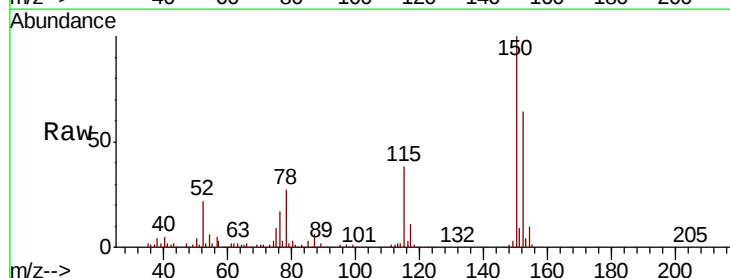


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

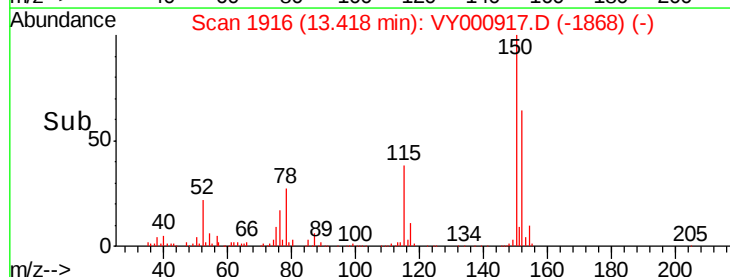
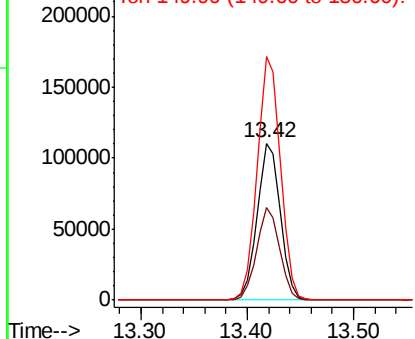


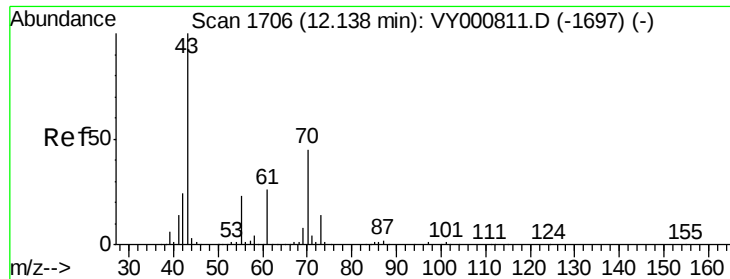
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000917.D
Acq: 09 Dec 2019 17:11

Tgt Ion:152 Resp: 169131
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.8
150 155.8 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





#74

N-amvl acetate

Concen: 1.073 ug/l

RT: 12.11 min Scan# 1702

Delta R.T. -0.02 min

Lab File: VY000917.D

Acq: 09 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 4022

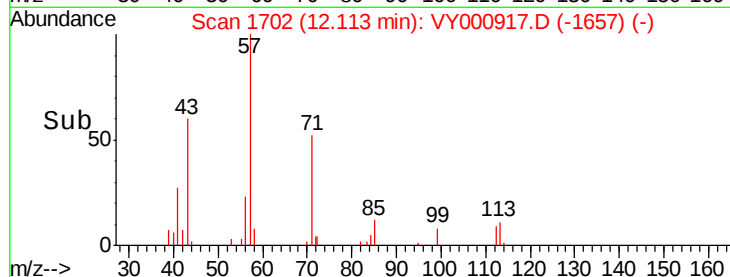
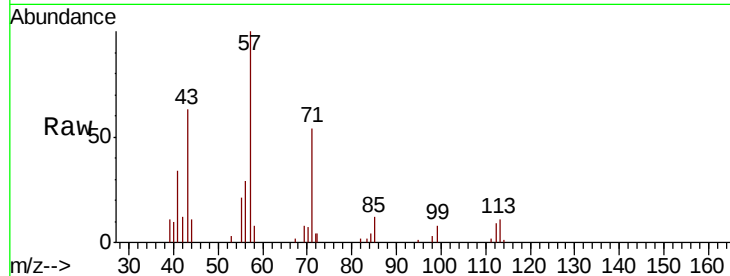
Ion Ratio Lower Upper

43 100

70 11.9 36.6 54.8#

55 0.0 18.8 28.2#

61 0.0 21.0 31.6#

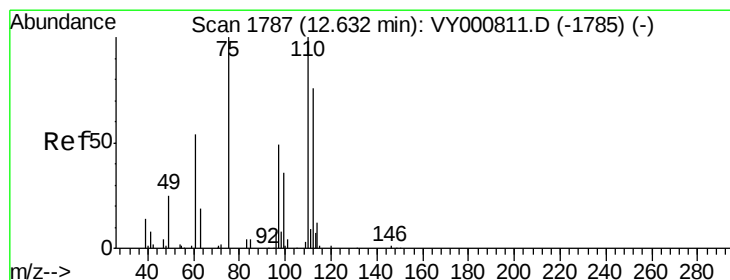
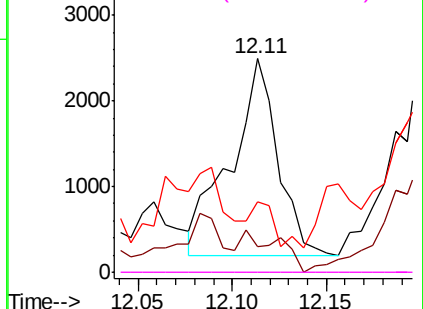


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 47.564 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000917.D

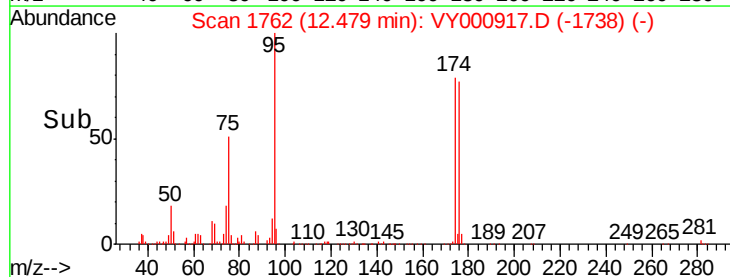
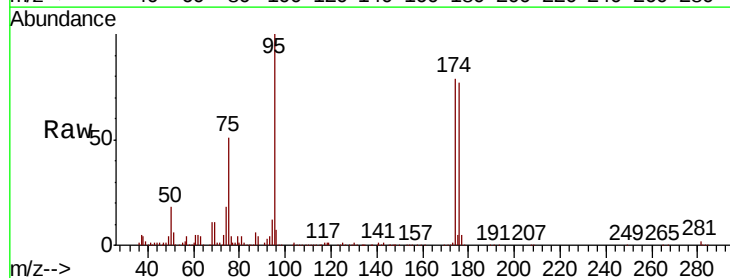
Acq: 09 Dec 2019 17:11

Tgt Ion: 75 Resp: 91143

Ion Ratio Lower Upper

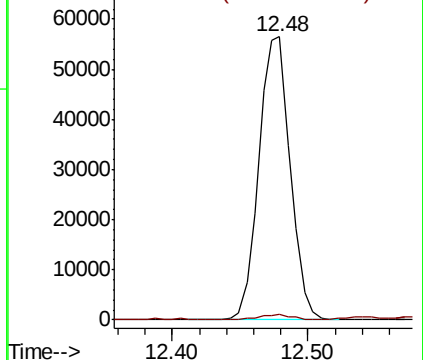
75 100

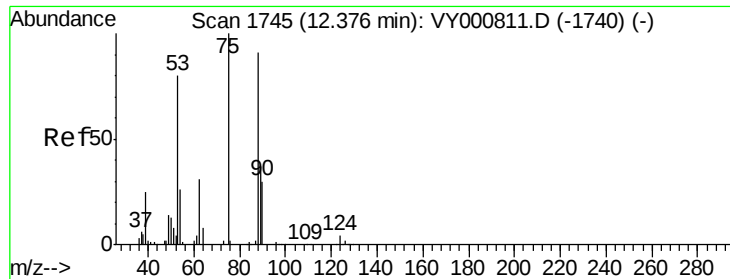
77 2.0 0.0 0.0#



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: 93.428 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000917.D

Acq: 09 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

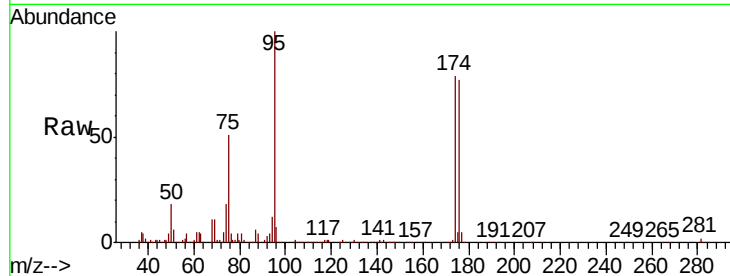
Tot Ion: 75 Resp: 91143

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

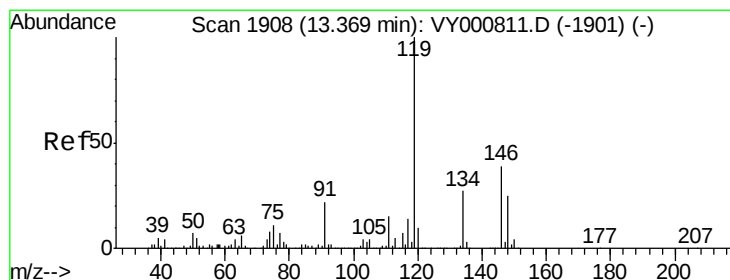
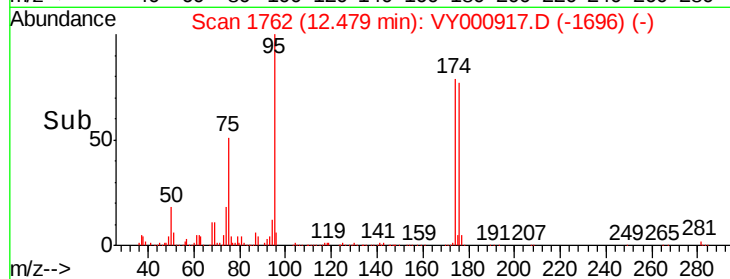
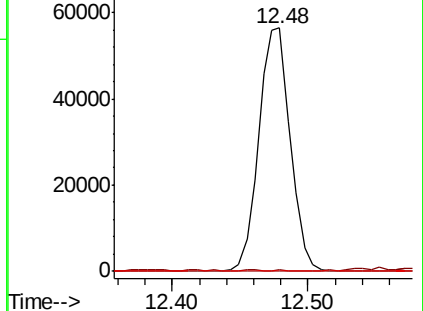
89 0.0 33.6 50.4#



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



#86

p-Isopropyltoluene

Concen: 1.091 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000917.D

Acq: 09 Dec 2019 17:11

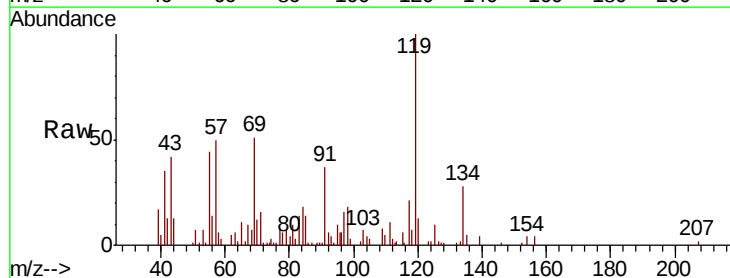
Tgt Ion: 119 Resp: 12933

Ion Ratio Lower Upper

119 100

134 27.7 13.5 40.4

91 27.3 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

