

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050373.D
 Acq On : 4 Aug 2018 17:50
 Operator : MD\SY
 Sample : J4356-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-39

Quant Time: Aug 06 01:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1011186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	900863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	396204	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	445904	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	7.59	113	392571	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	10.09	98	1411681	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
62) 4-Bromofluorobenzene	12.40	95	429418	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	

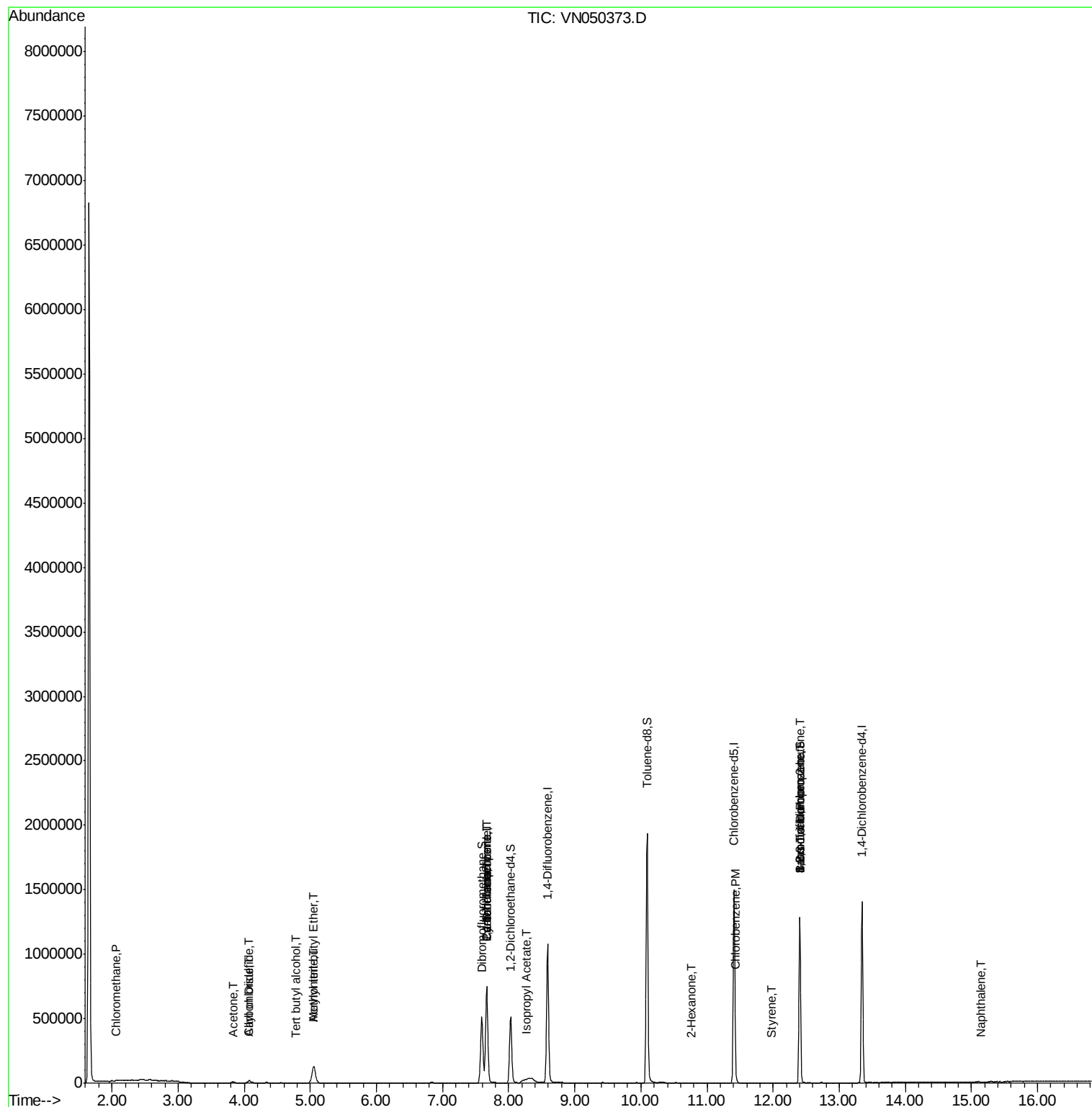
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4053	0.41	ug/l	# 88
5) Bromomethane	2.56	94	5078	Below	Cal	87
11) Tert butyl alcohol	4.79	59	252	0.39	ug/l	# 72
14) Allyl chloride	4.08	41	3314	0.29	ug/l	# 64
15) Acrylonitrile	5.05	53	3140	1.10	ug/l	# 39
16) Acetone	3.82	43	16272	3.51	ug/l	94
17) Carbon Disulfide	4.05	76	7112	0.32	ug/l	99
18) Methyl Acetate	4.34	43	5499	Below	Cal	95
19) Methyl tert-butyl Ether	5.05	73	211141	10.82	ug/l	100
20) Methylene Chloride	4.55	84	1279	Below	Cal	# 71
31) Cyclohexane	7.67	56	12215	0.93	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	46753	4.10	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	57636	4.77	ug/l	# 17
43) Isopropyl Acetate	8.27	43	38845	1.49	ug/l	# 61
59) 2-Hexanone	10.76	43	205	5.21	ug/l	# 24
65) Chlorobenzene	11.44	112	6311	0.28	ug/l	94
70) Styrene	11.97	104	143	0.93	ug/l	# 25
71) Bromoform	12.41	173	3976	0.63	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.39	83	174	Below	Cal	# 1
76) 1,2,3-Trichloropropane	12.40	75	210830	28.63	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	210830	90.82	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.48	75	102	Below	Cal	# 1
95) Naphthalene	15.13	128	697	4.45	ug/l	# 69

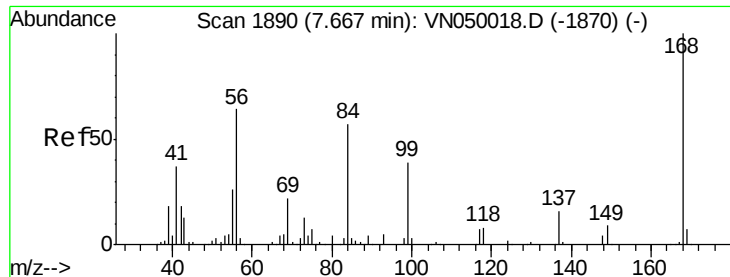
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
Data File : VN050373.D
Acq On : 4 Aug 2018 17:50
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Sample : J4356-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 06 01:40:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

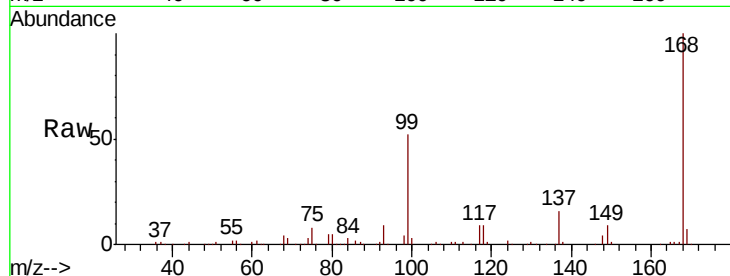
MW-39

Tot Ion:168 Resp: 635269

Ion Ratio Lower Upper

168 100

99 52.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

100000

50000

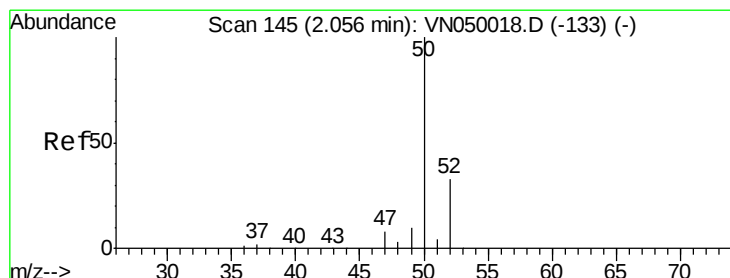
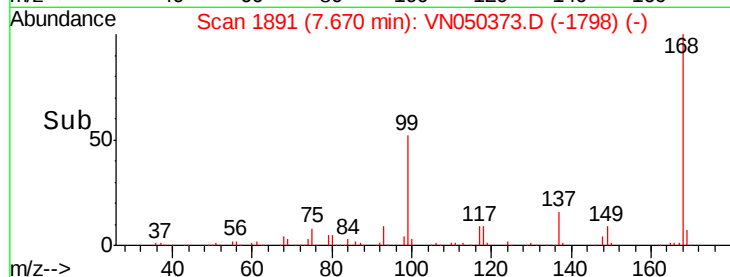
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Time-->

7.60

7.70

7.80



#3

Chloromethane

Concen: 0.41 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050373.D

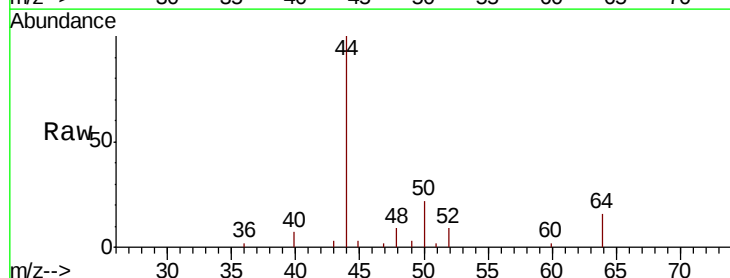
Acq: 4 Aug 2018 17:50

Tgt Ion: 50 Resp: 4053

Ion Ratio Lower Upper

50 100

52 39.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

1500

1000

500

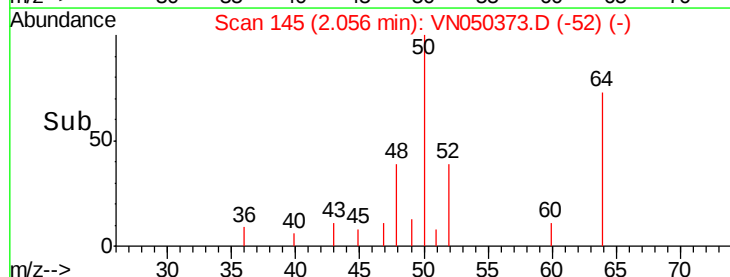
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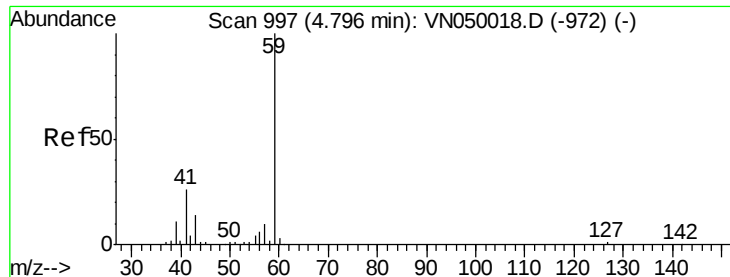
Time-->

2.00

2.05

2.10





#11

Tert butyl alcohol

Concen: 0.39 ug/l

RT: 4.79 min Scan# 994

Delta R.T. -0.02 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampled :

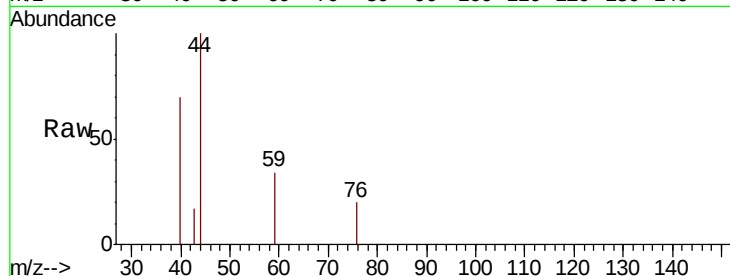
MW-39

Tot Ion: 59 Resp: 252

Ion Ratio Lower Upper

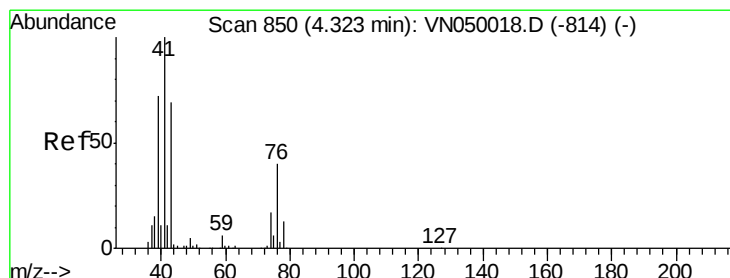
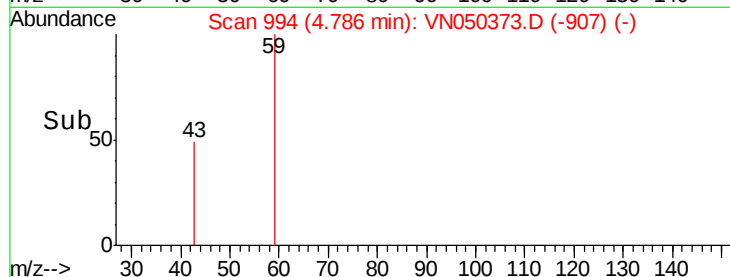
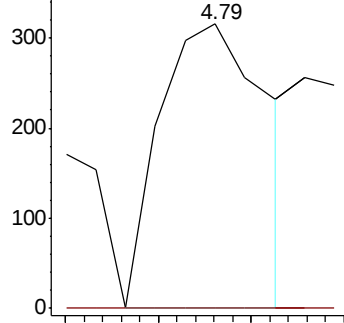
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO



#14

Allyl chloride

Concen: 0.29 ug/l

RT: 4.08 min Scan# 775

Delta R.T. -0.24 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

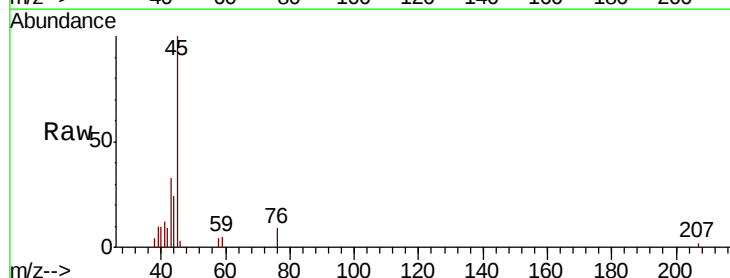
Tgt Ion: 41 Resp: 3314

Ion Ratio Lower Upper

41 100

39 86.1 54.2 81.4#

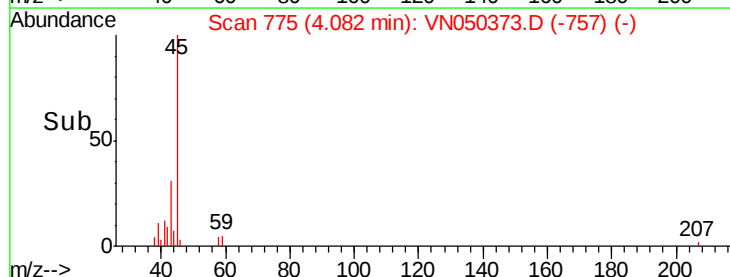
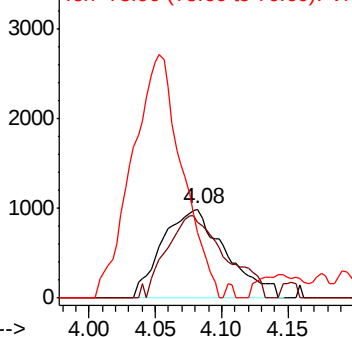
76 0.0 29.0 43.6#

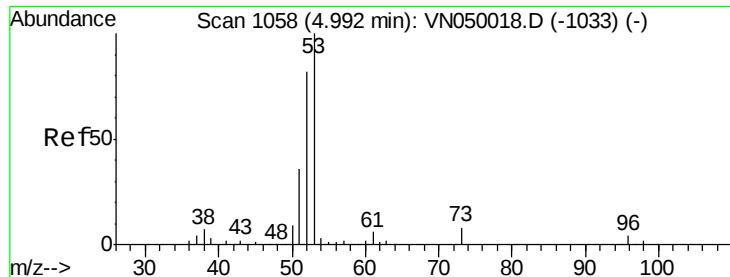


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 1.10 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.06 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampled :

MW-39

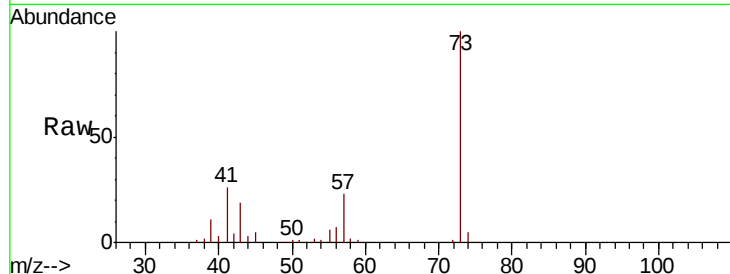
Tot Ion: 53 Resp: 3140

Ion Ratio Lower Upper

53 100

52 6.2 66.2 99.2#

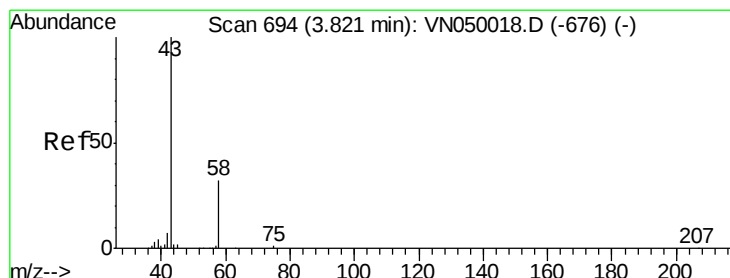
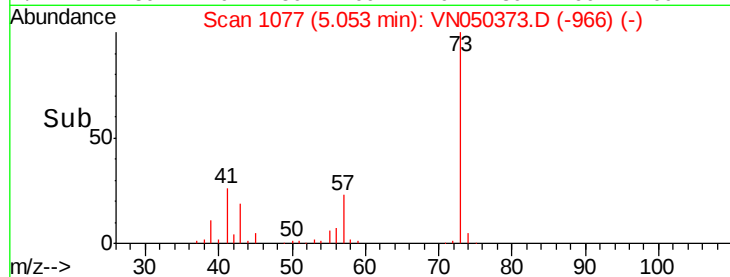
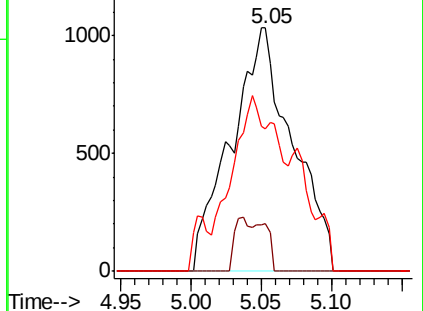
51 40.1 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 3.51 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050373.D

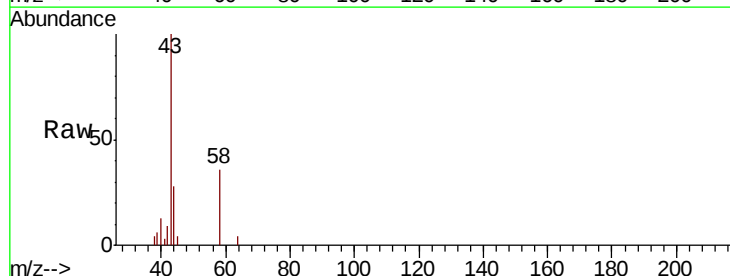
Acq: 4 Aug 2018 17:50

Tgt Ion: 43 Resp: 16272

Ion Ratio Lower Upper

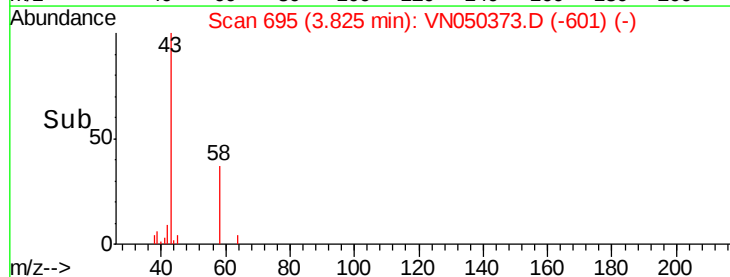
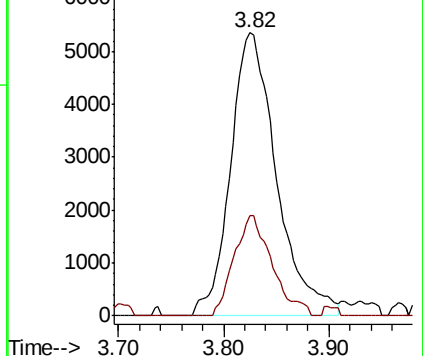
43 100

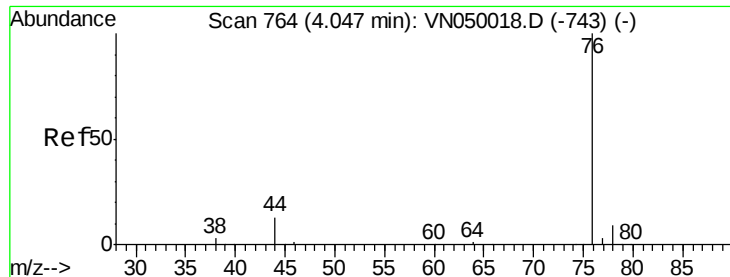
58 35.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

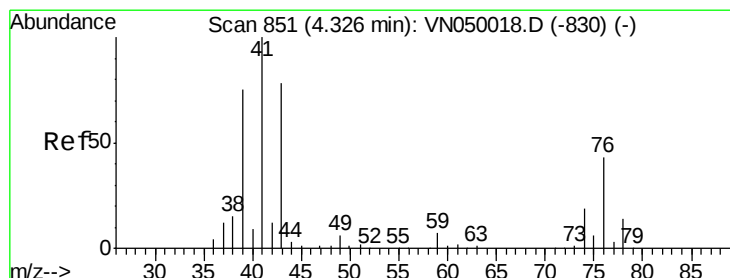
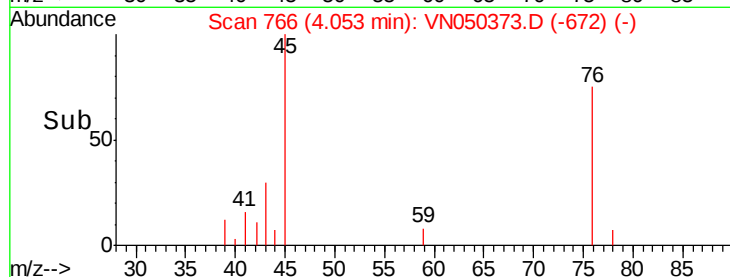
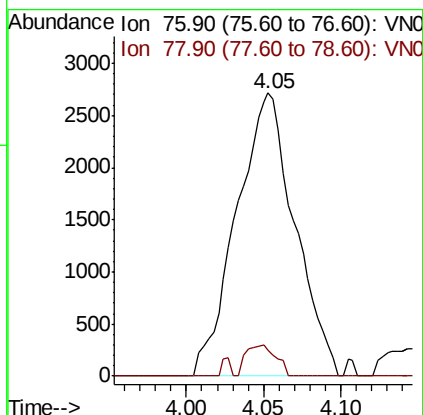
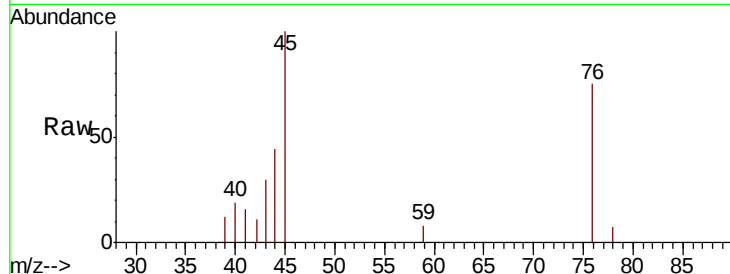




#17
Carbon Disulfide
Concen: 0.32 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

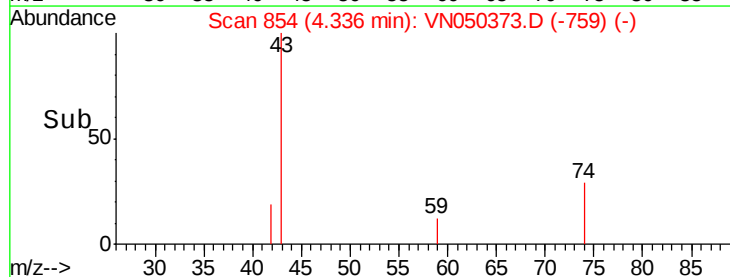
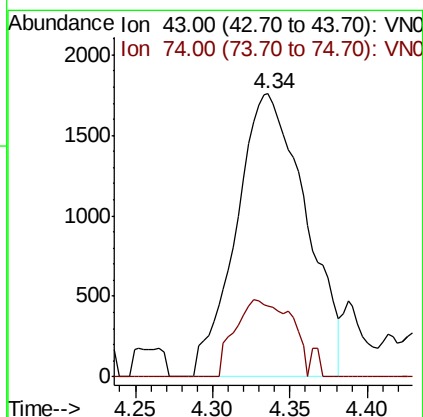
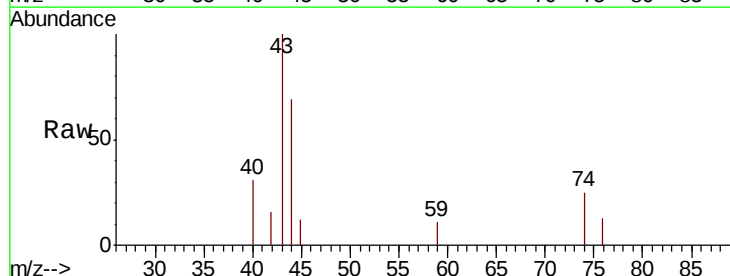
Instrument :
MSVOA_N
ClientSampled :
MW-39

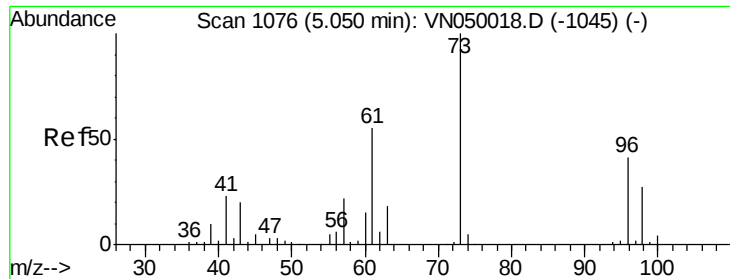
Tot Ion: 76 Resp: 7112
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

Tgt Ion: 43 Resp: 5499
Ion Ratio Lower Upper
43 100
74 21.7 19.2 28.8

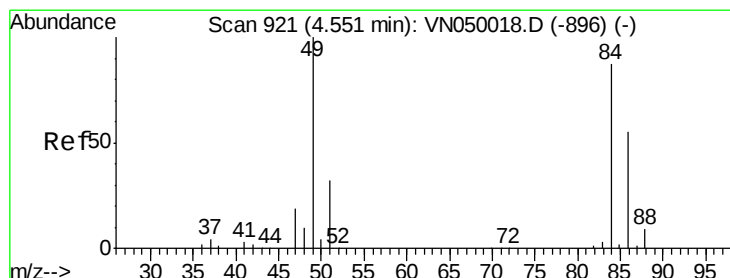
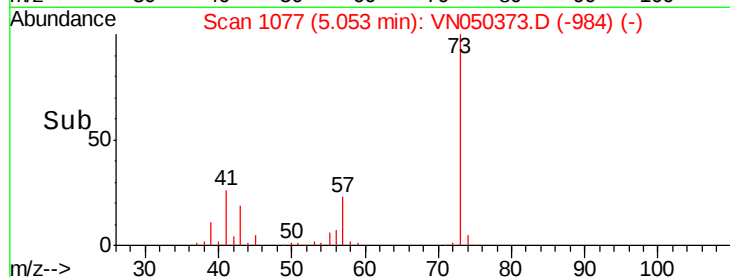
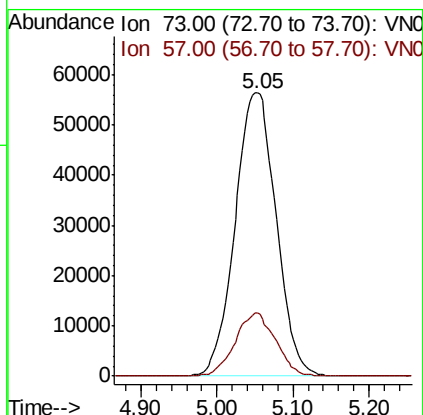
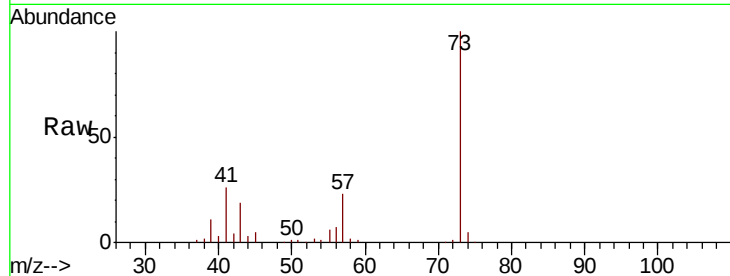




#19
Methyl tert-butyl Ether
Concen: 10.82 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

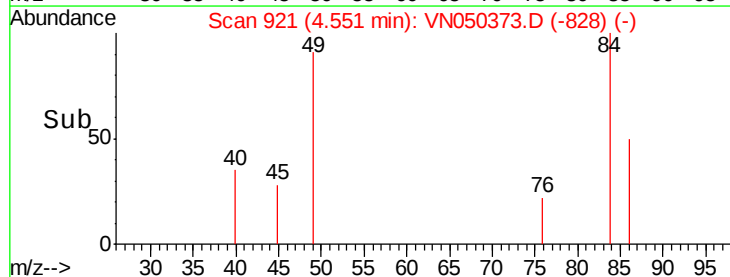
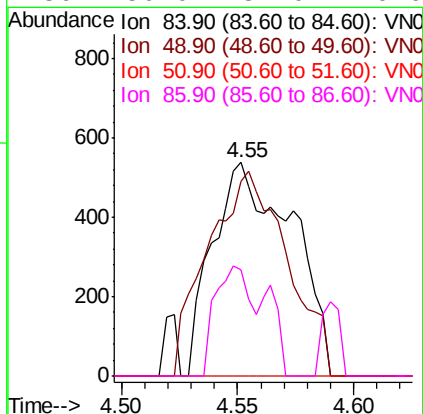
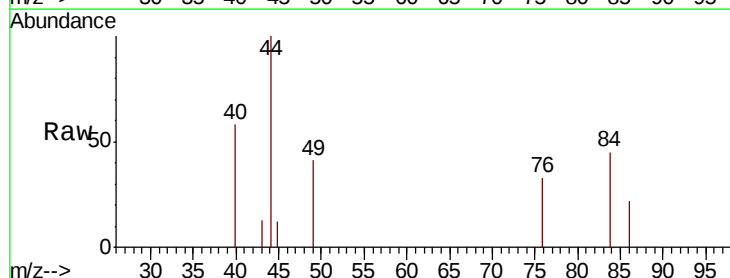
Instrument :
MSVOA_N
ClientSampled :
MW-39

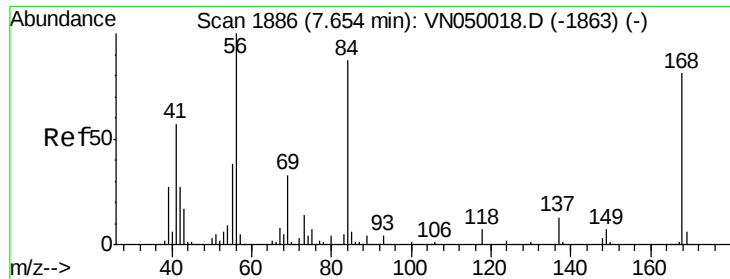
Tot Ion: 73 Resp: 211141
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

Tgt Ion: 84 Resp: 1279
Ion Ratio Lower Upper
84 100
49 90.9 94.8 142.2#
51 0.0 28.3 42.5#
86 50.0 51.0 76.6#





#31

Cyclohexane

Concen: 0.93 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

MW-39

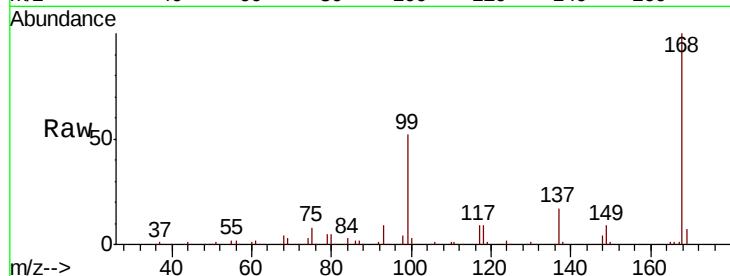
Tot Ion: 56 Resp: 12215

Ion Ratio Lower Upper

56 100

69 174.5 26.2 39.4#

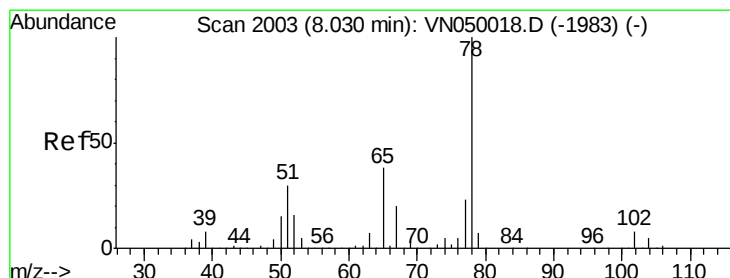
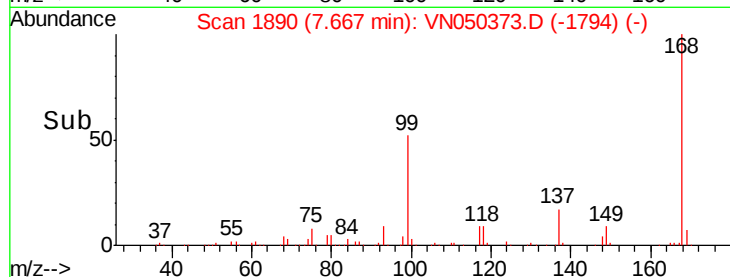
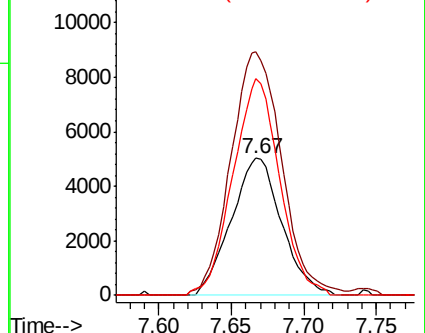
84 158.1 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.31 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050373.D

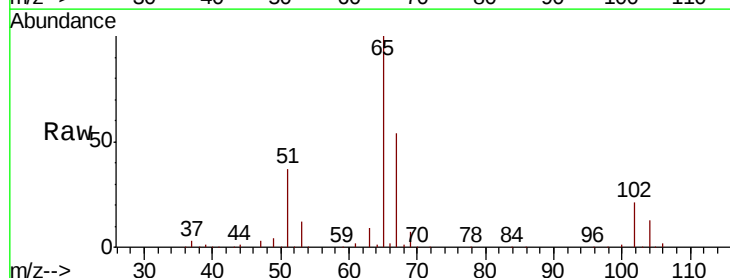
Acq: 4 Aug 2018 17:50

Tgt Ion: 65 Resp: 445904

Ion Ratio Lower Upper

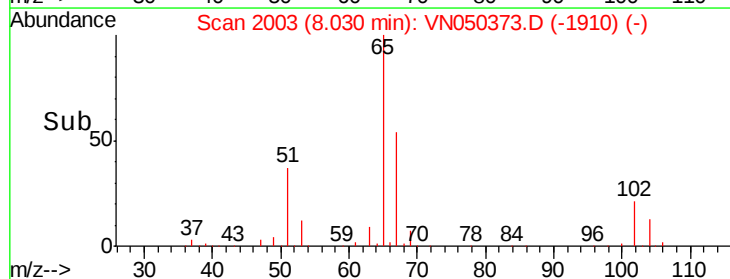
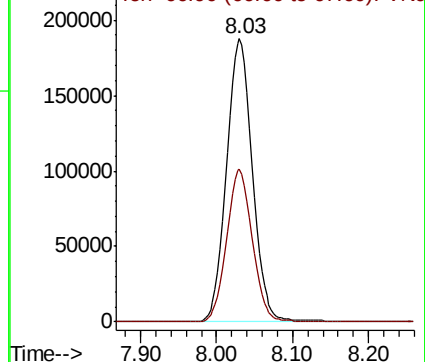
65 100

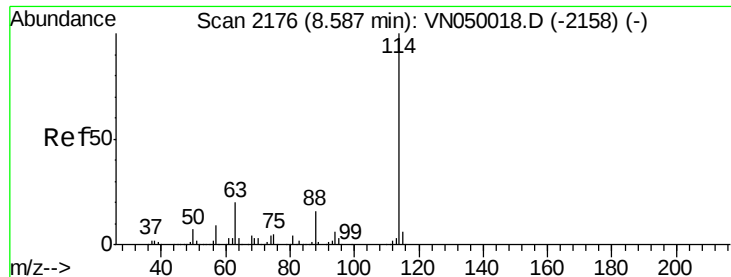
67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

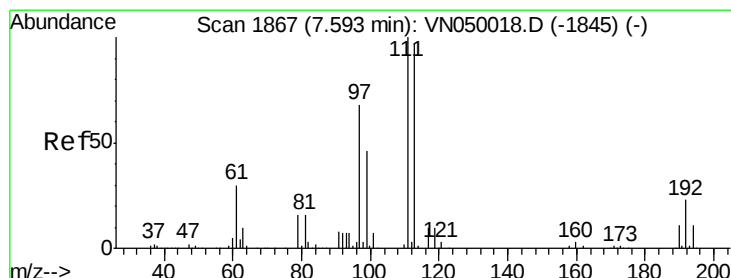
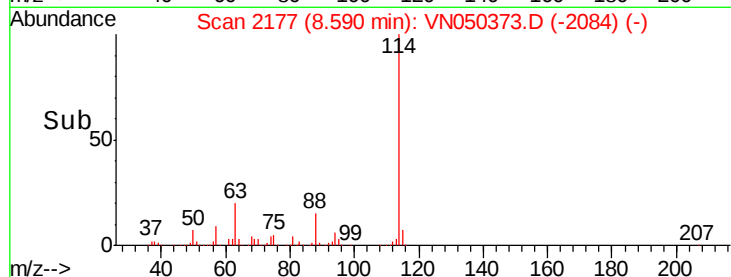
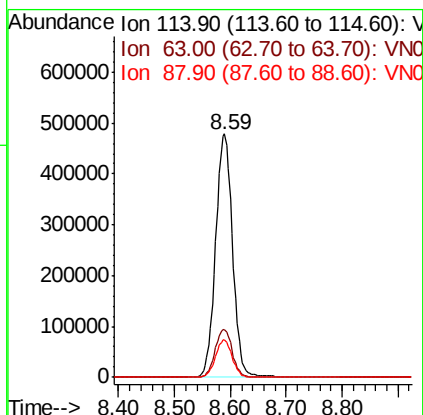
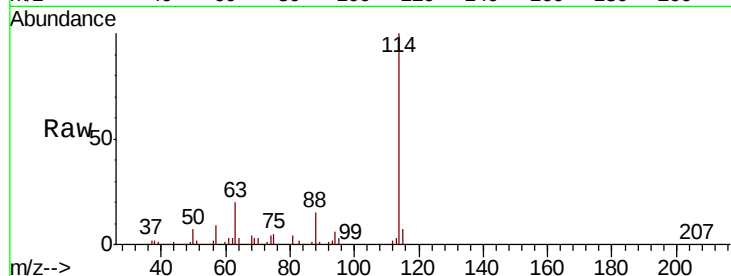




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050373.D
 Acq: 4 Aug 2018 17:50

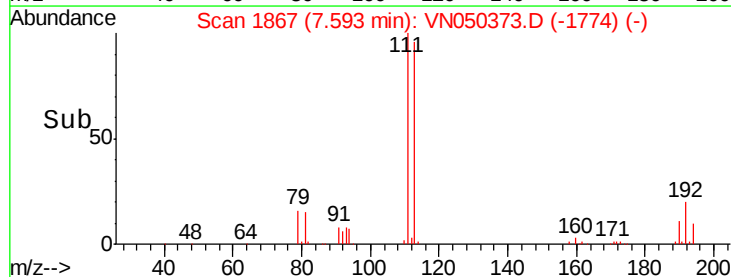
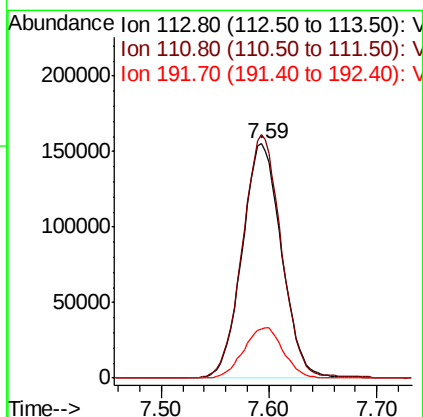
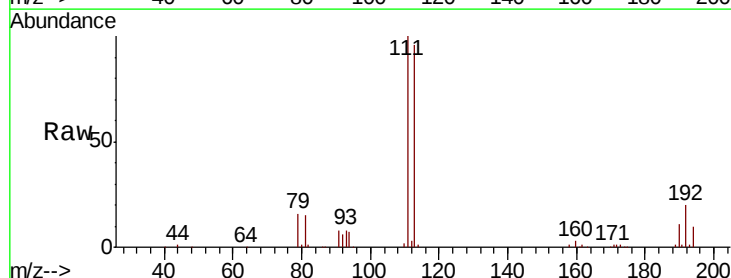
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-39

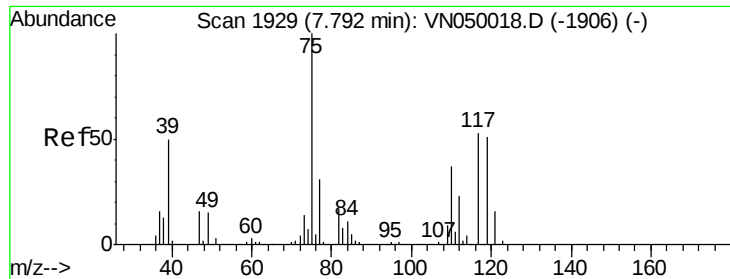
Tot Ion:114 Resp: 1011186
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.3 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 47.55 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050373.D
 Acq: 4 Aug 2018 17:50

Tgt Ion:113 Resp: 392571
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.7 121.1
 192 21.7 17.8 26.6

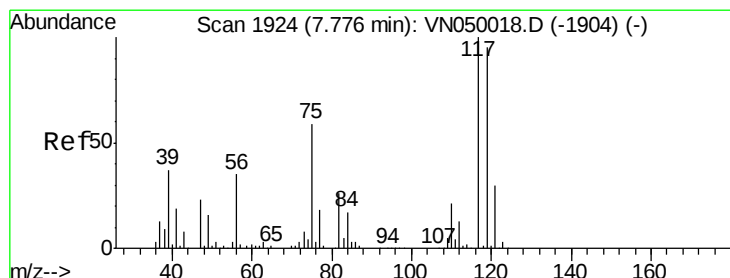
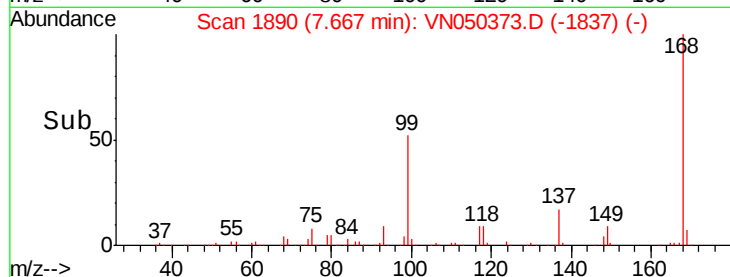
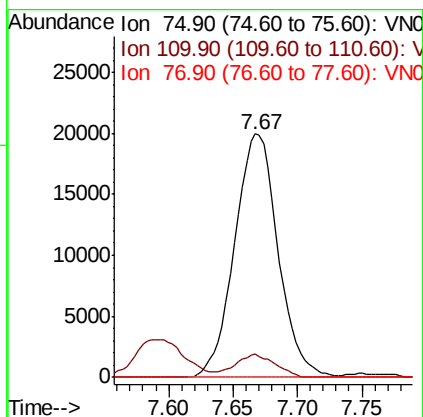
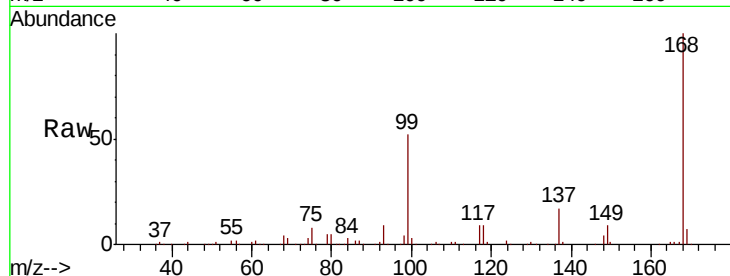




#36
 1,1-Dichloropropene
 Concen: 4.10 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050373.D
 Acq: 4 Aug 2018 17:50

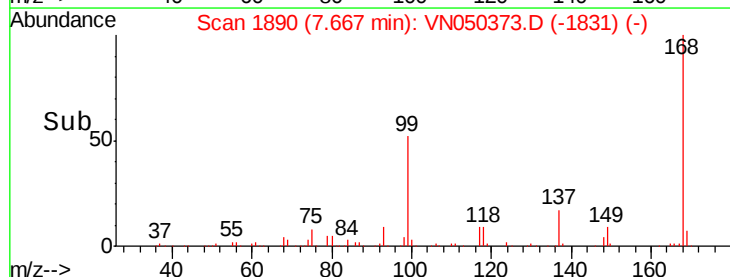
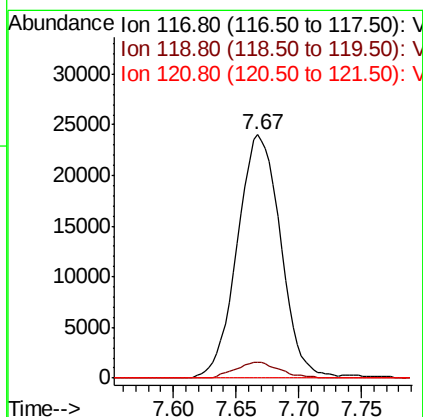
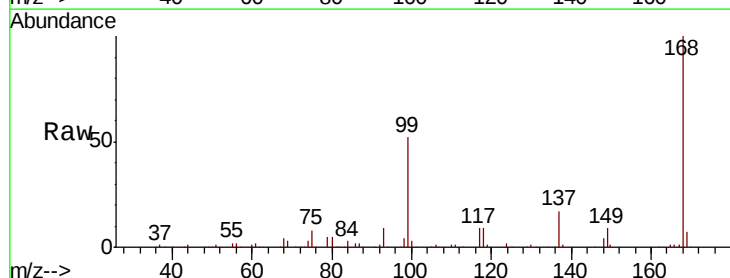
Instrument :
 MSVOA_N
 ClientSampled :
 MW-39

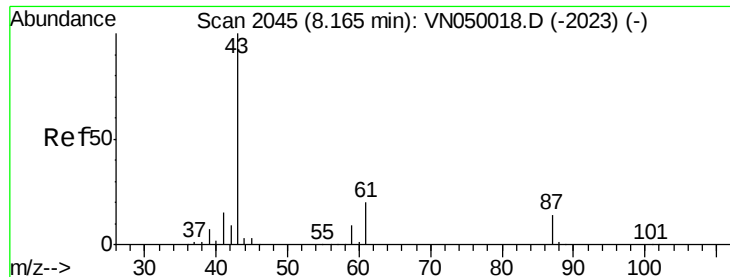
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.77 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050373.D
 Acq: 4 Aug 2018 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 1.49 ug/l

RT: 8.27 min Scan# 2077

Delta R.T. 0.10 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampled :

MW-39

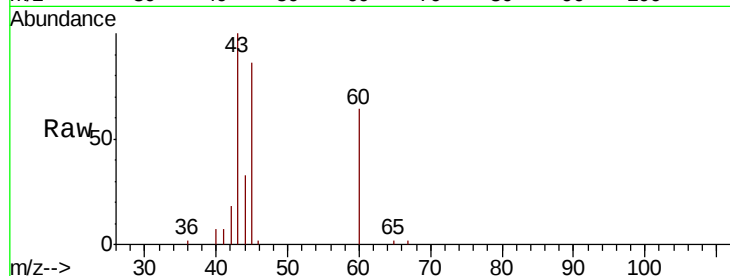
Tot Ion: 43 Resp: 38845

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

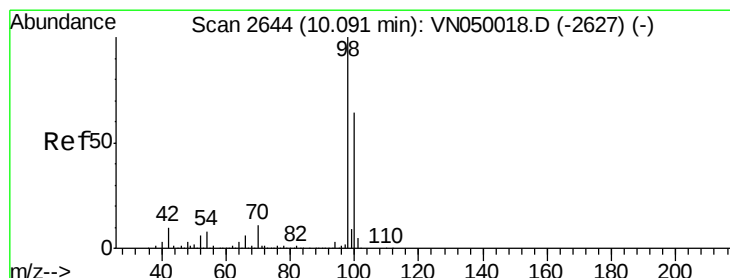
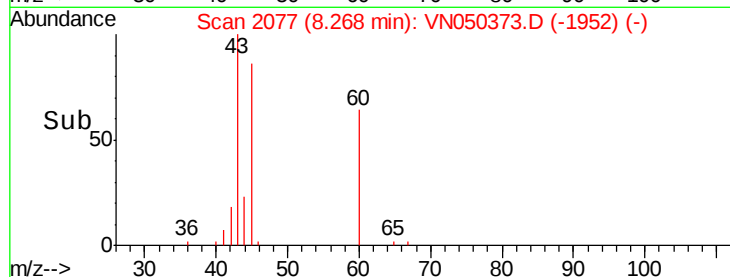
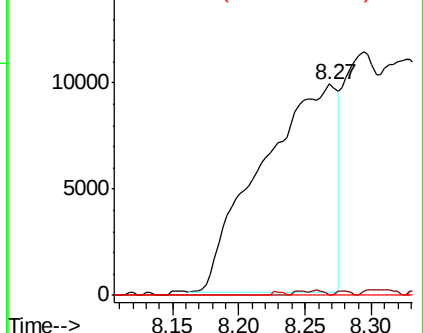
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 46.51 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050373.D

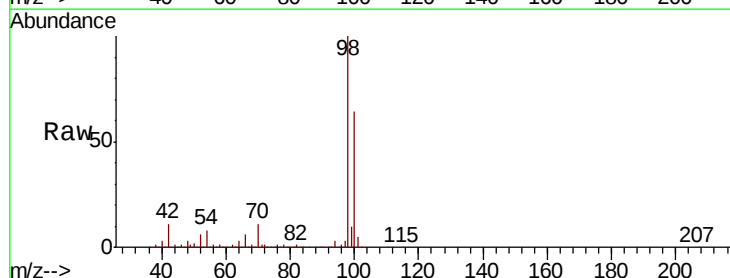
Acq: 4 Aug 2018 17:50

Tgt Ion: 98 Resp: 1411681

Ion Ratio Lower Upper

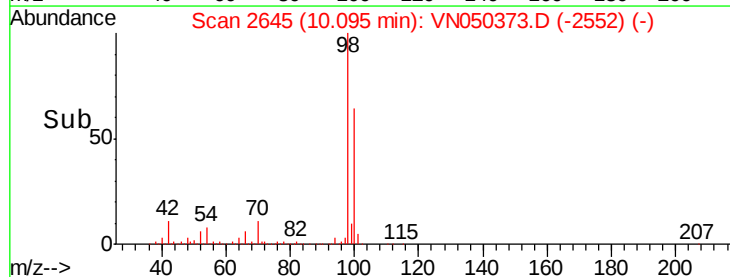
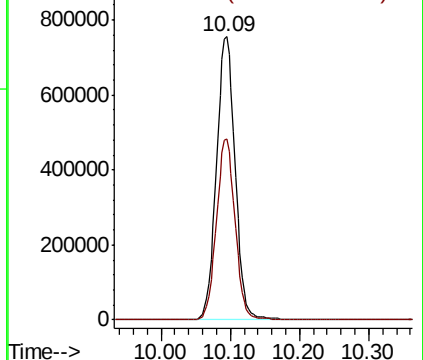
98 100

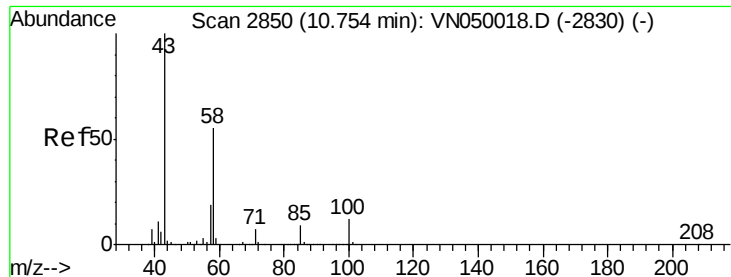
100 63.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

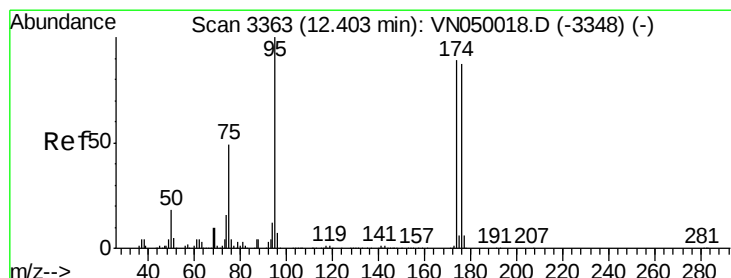
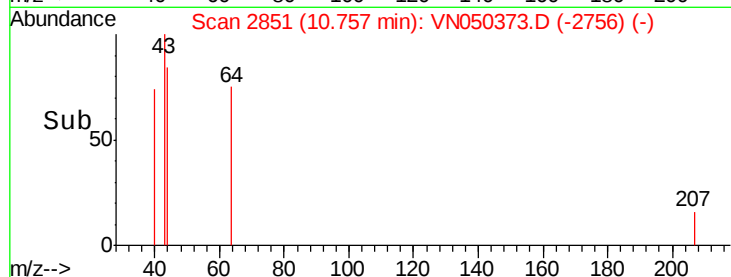
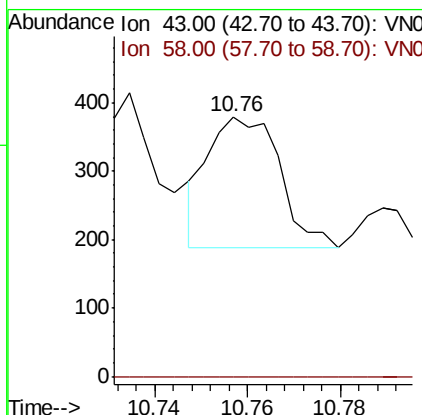
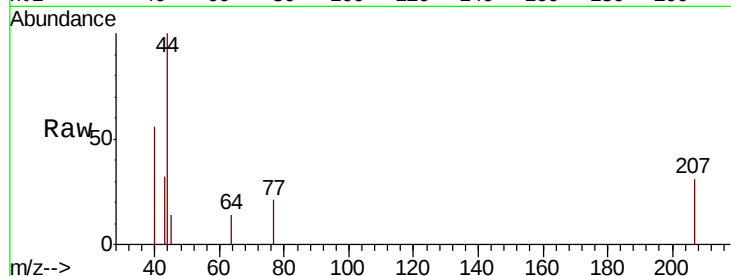




#59
2-Hexanone
Concen: 5.21 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

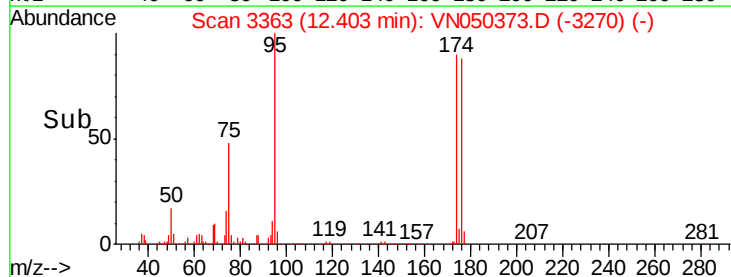
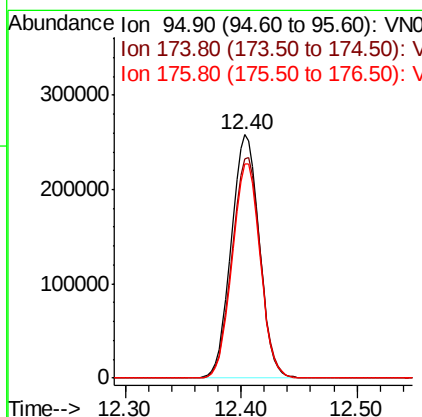
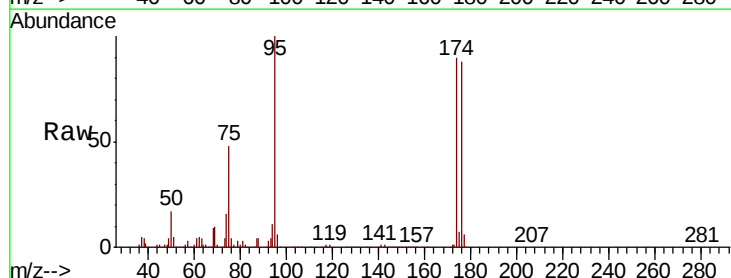
Instrument :
MSVOA_N
ClientSampleId :
MW-39

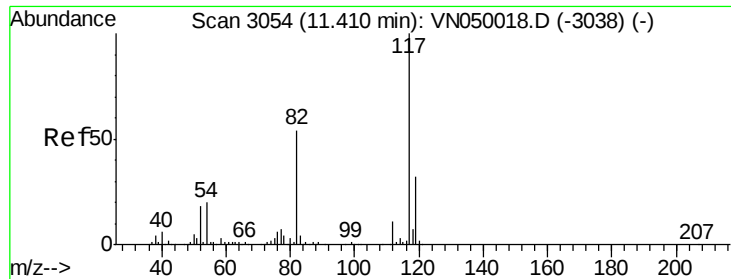
Tot Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 42.97 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

Tgt Ion: 95 Resp: 429418
Ion Ratio Lower Upper
95 100
174 92.0 0.0 178.2
176 87.9 0.0 173.4

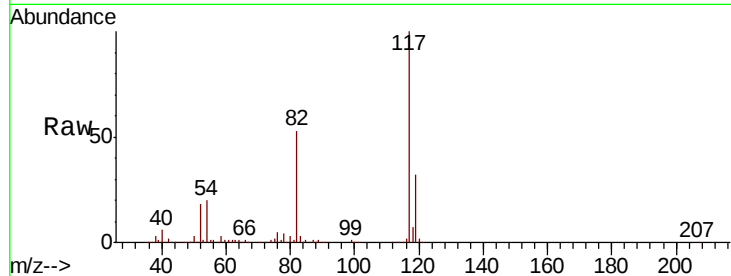




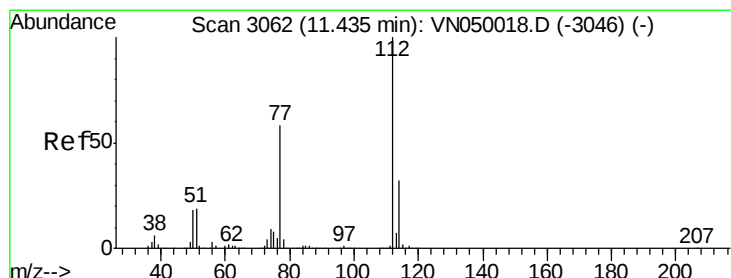
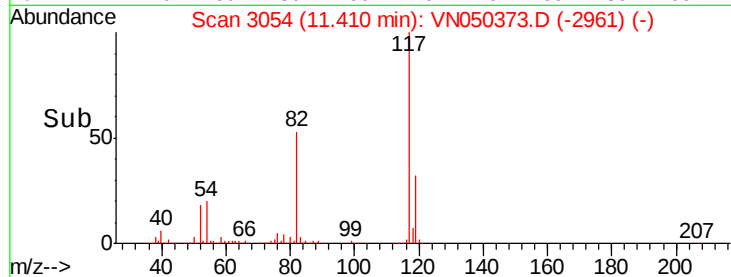
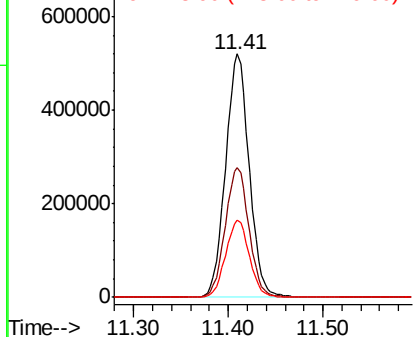
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

Instrument :
MSVOA_N
ClientSampleId :
MW-39

Tot Ion:117 Resp: 900863
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 31.9 26.1 39.1

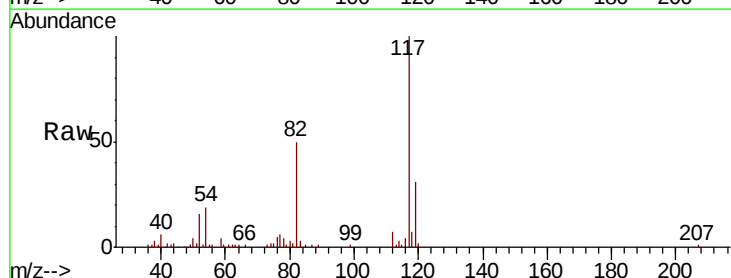


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

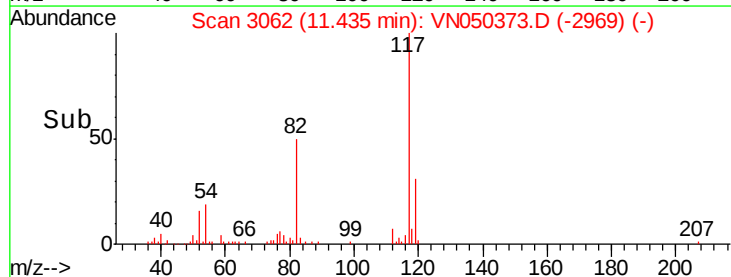
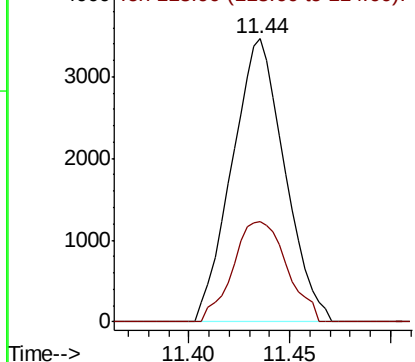


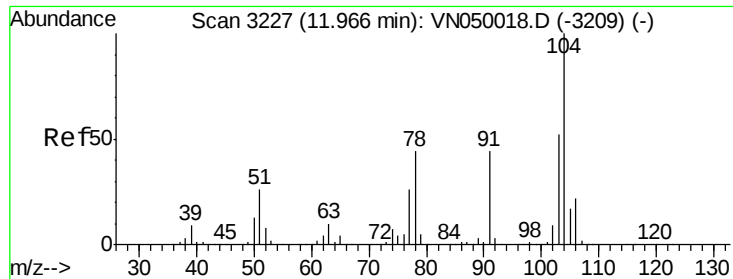
#65
Chlorobenzene
Concen: 0.28 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

Tgt Ion:112 Resp: 6311
Ion Ratio Lower Upper
112 100
114 35.3 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

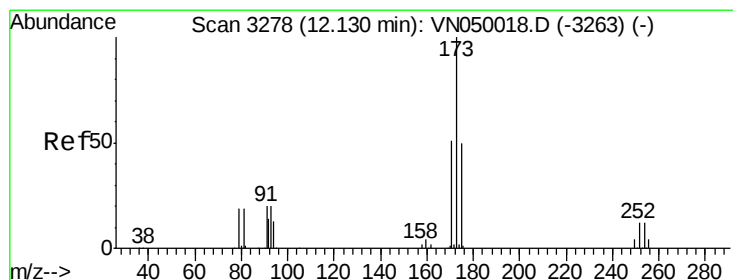
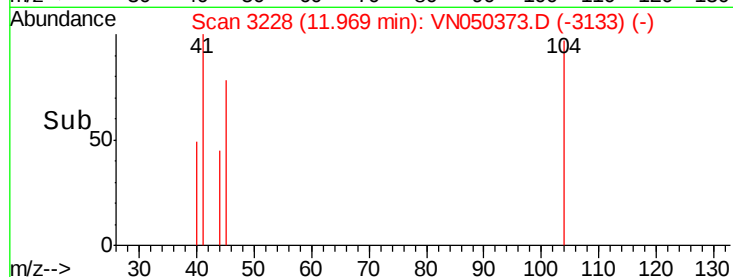
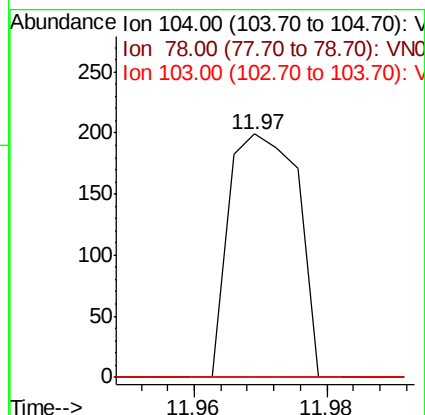
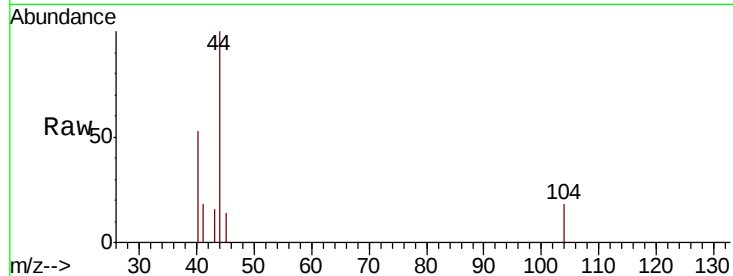




#70
Stvrene
Concen: 0.93 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

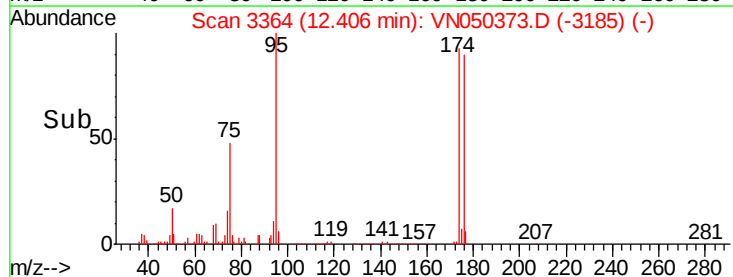
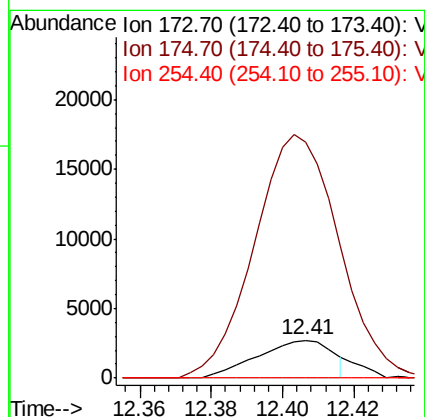
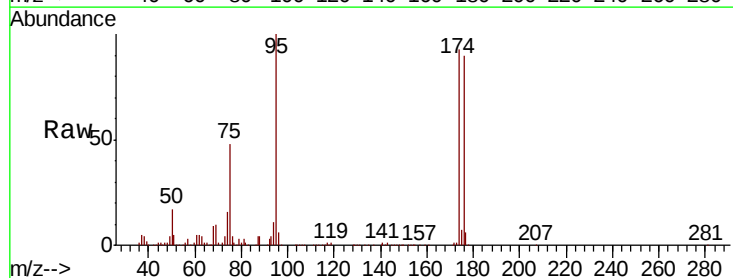
Instrument :
MSVOA_N
ClientSampled :
MW-39

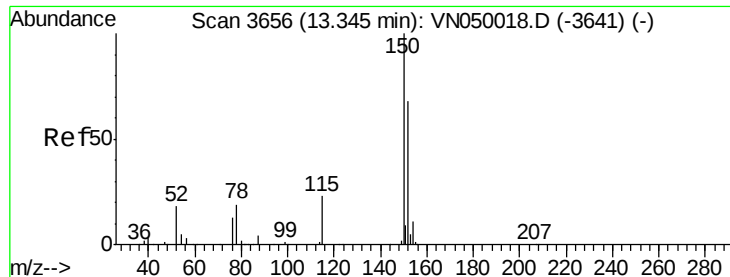
Tot Ion:104 Resp: 143
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 0.0 45.0 67.6#



#71
Bromoform
Concen: 0.63 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050373.D
Acq: 4 Aug 2018 17:50

Tgt Ion:173 Resp: 3976
Ion Ratio Lower Upper
173 100
175 647.2 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampled :

MW-39

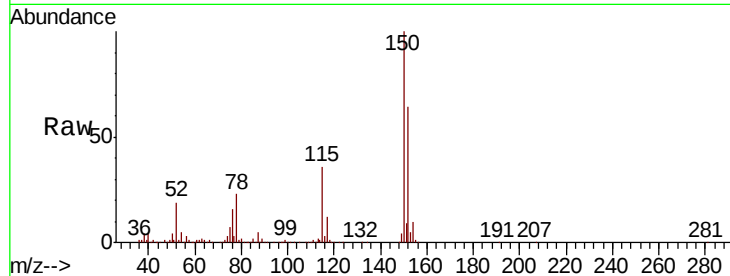
Tot Ion:152 Resp: 396204

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

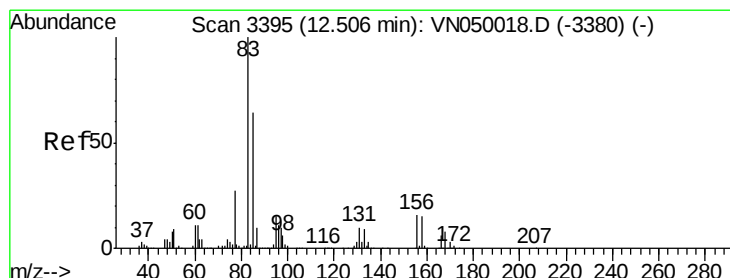
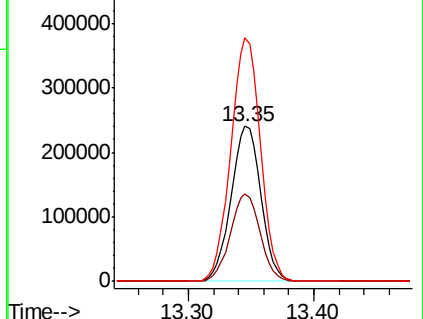
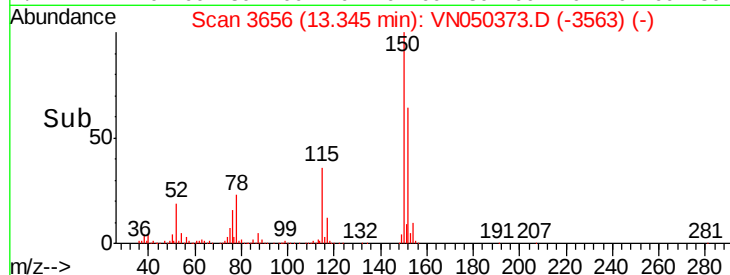
150 156.2 0.0 348.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.39 min Scan# 3359

Delta R.T. -0.11 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

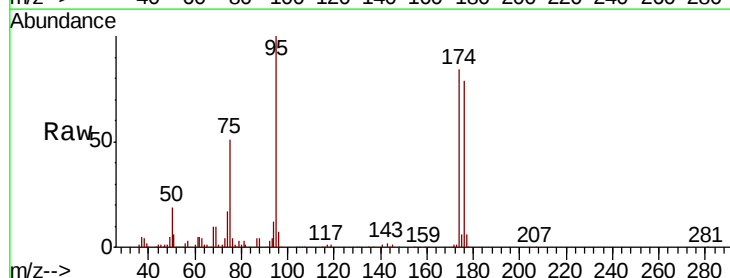
Tgt Ion: 83 Resp: 174

Ion Ratio Lower Upper

83 100

131 304.6 5.1 15.3#

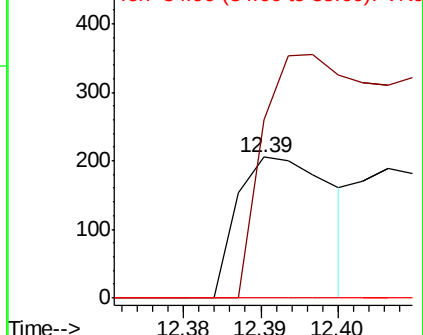
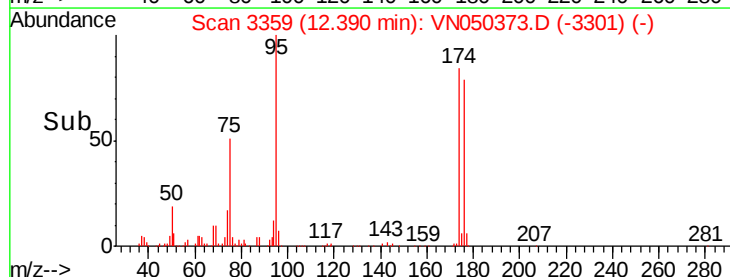
85 0.0 32.3 96.8#

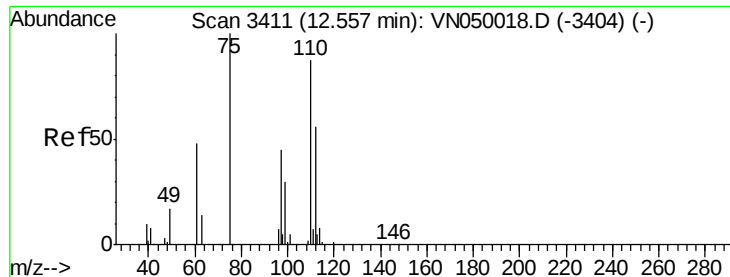


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 28.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

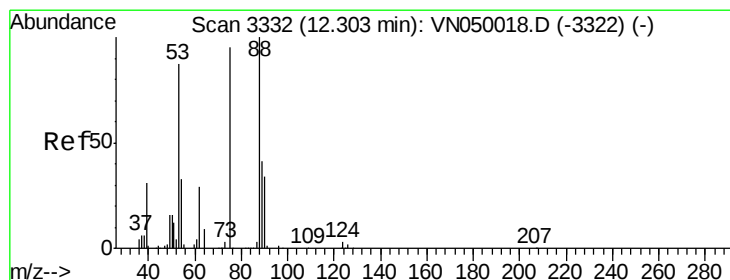
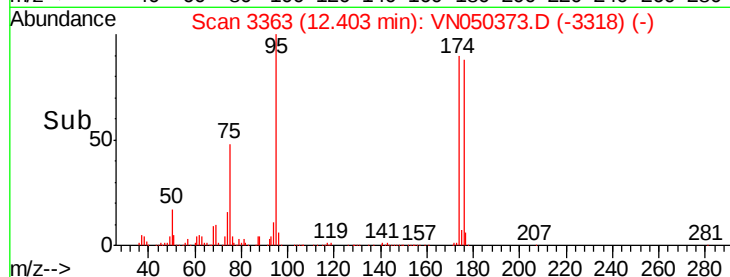
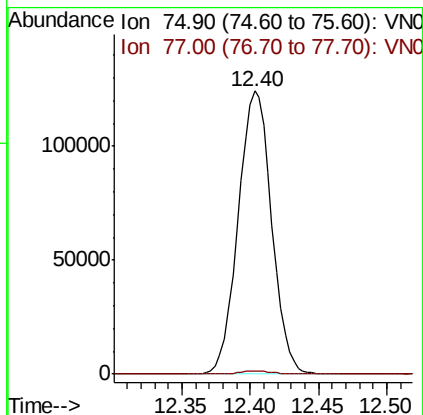
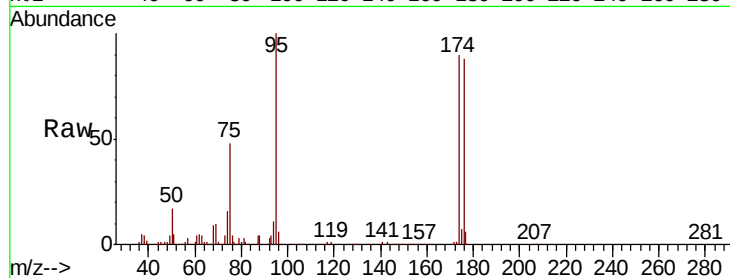
MW-39

Tot Ion: 75 Resp: 210830

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

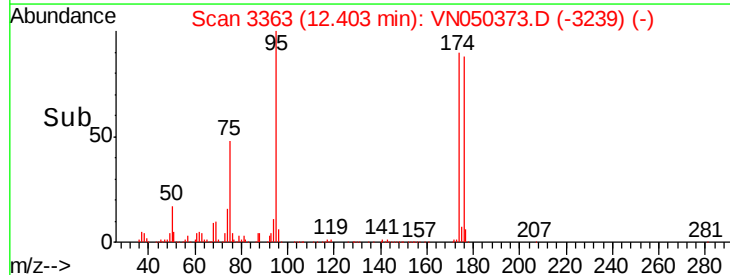
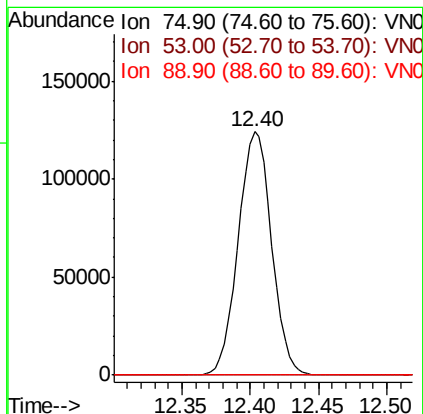
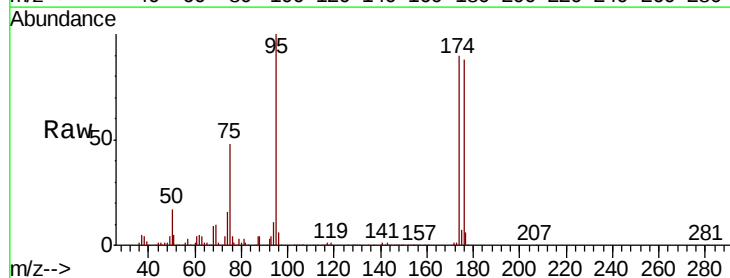
Tgt Ion: 75 Resp: 210830

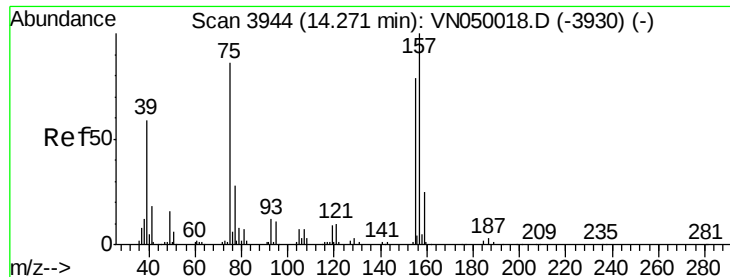
Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.48 min Scan# 4010

Delta R.T. 0.21 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampled :

MW-39

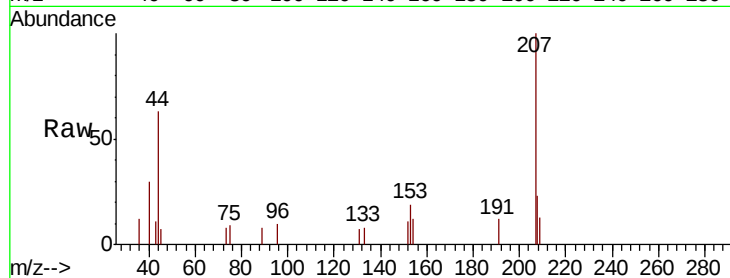
Tot Ion: 75 Resp: 102

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

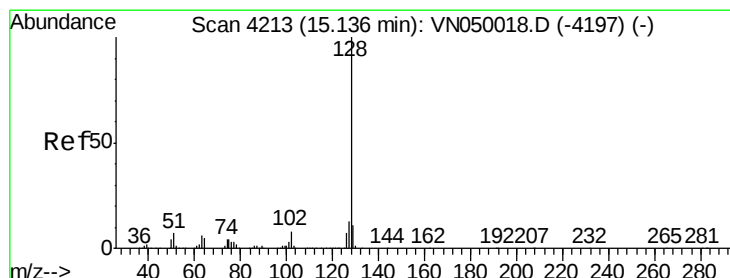
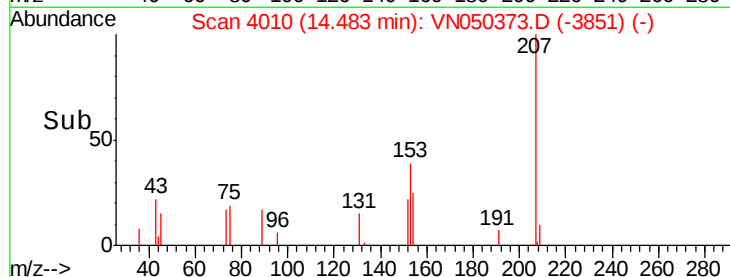
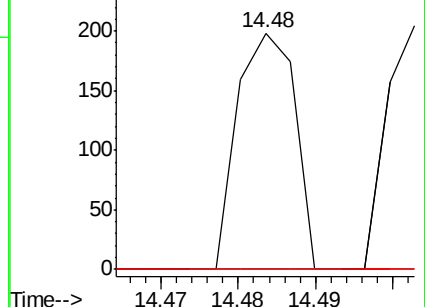
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 4.45 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050373.D

Acq: 4 Aug 2018 17:50

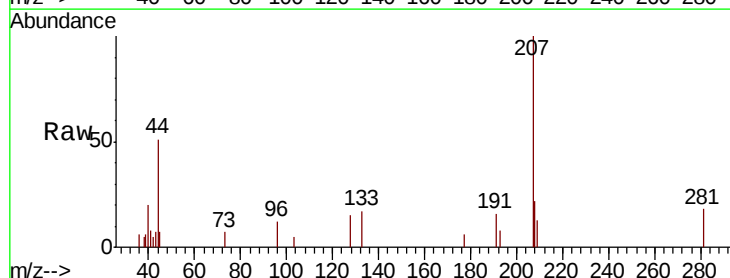
Tgt Ion: 128 Resp: 697

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

