

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050330.D
 Acq On : 3 Aug 2018 23:16
 Operator : MD\SY
 Sample : VN0803WBL03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBL03

Quant Time: Aug 04 01:43:32 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	651594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1071072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	913696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378593	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	471974	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
35) Dibromofluoromethane	7.59	113	413541	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
50) Toluene-d8	10.09	98	1469619	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
62) 4-Bromofluorobenzene	12.40	95	419017	39.58	ug/l	0.00
Spiked Amount			Recovery	=	79.16%	

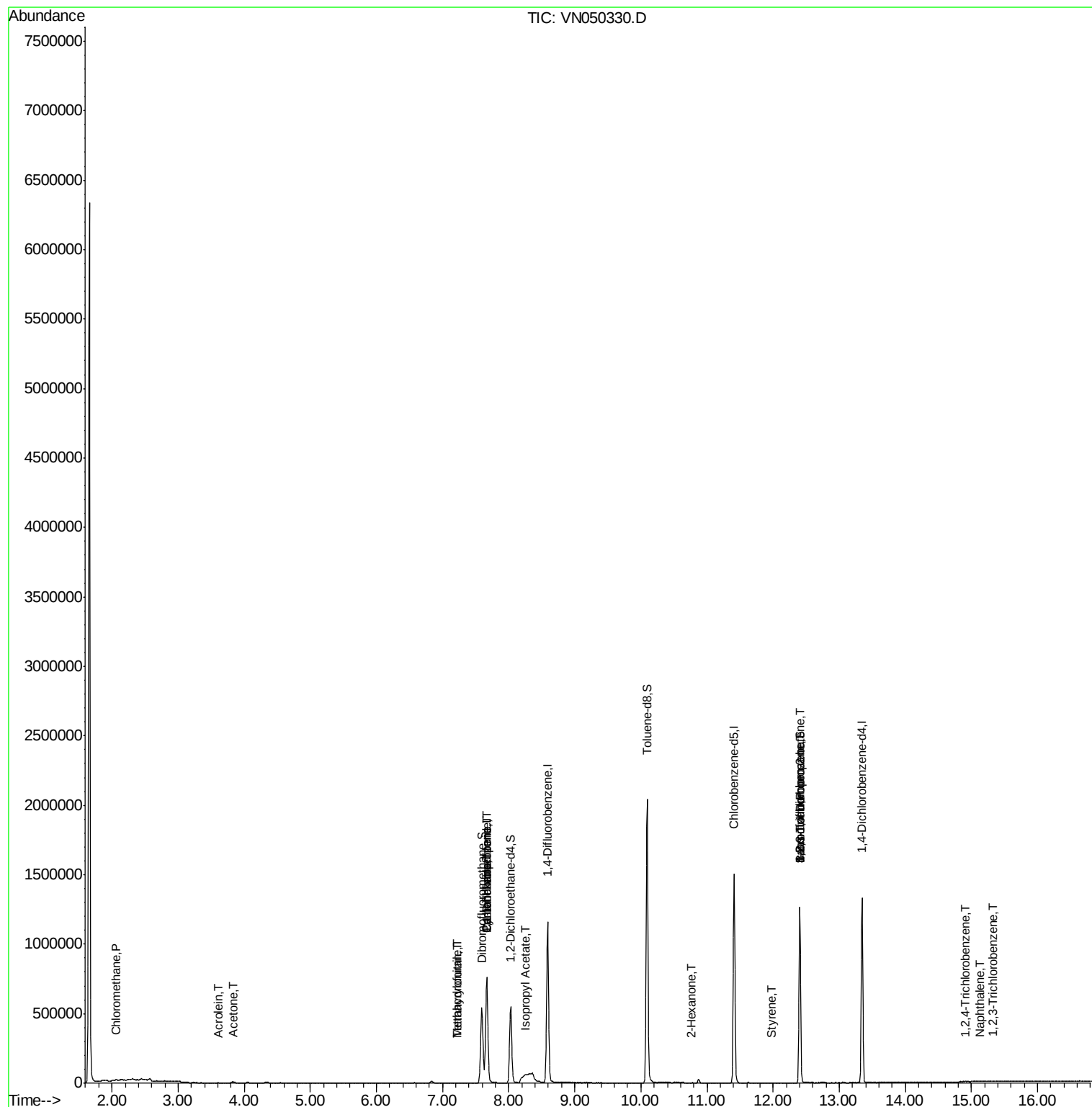
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3538	0.35	ug/l	# 83
5) Bromomethane	2.56	94	4889	Below	Cal	# 88
13) Acrolein	3.61	56	411	0.76	ug/l	# 66
16) Acetone	3.83	43	16303	3.33	ug/l	# 93
18) Methyl Acetate	4.34	43	10274	Below	Cal	# 95
20) Methylene Chloride	4.54	84	471	Below	Cal	# 80
29) Tetrahydrofuran	7.22	42	511	0.23	ug/l	# 41
31) Cyclohexane	7.67	56	12134	0.90	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	47436	3.93	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	59170	4.62	ug/l	# 17
41) Methacrylonitrile	7.21	41	174	2.79	ug/l	# 32
43) Isopropyl Acetate	8.25	43	73493	3.58	ug/l	# 61
59) 2-Hexanone	10.76	43	599	5.27	ug/l	# 24
70) Styrene	11.96	104	308	0.94	ug/l	# 89
71) Bromoform	12.41	173	3707	0.57	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.41	83	98	Below	Cal	# 25
76) 1,2,3-Trichloropropane	12.40	75	204154	29.02	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	204154	92.03	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59	Below	Cal	# 1
93) 1,2,4-Trichlorobenzene	14.91	180	1083	3.23	ug/l	# 84
95) Naphthalene	15.14	128	2607	4.55	ug/l	# 87
96) 1,2,3-Trichlorobenzene	15.31	180	971	2.34	ug/l	# 97

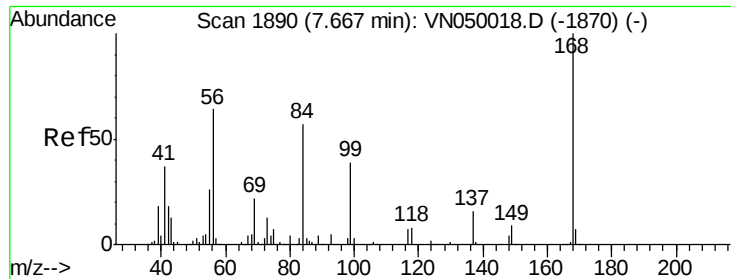
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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: VN050330.D

Acq: 3 Aug 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

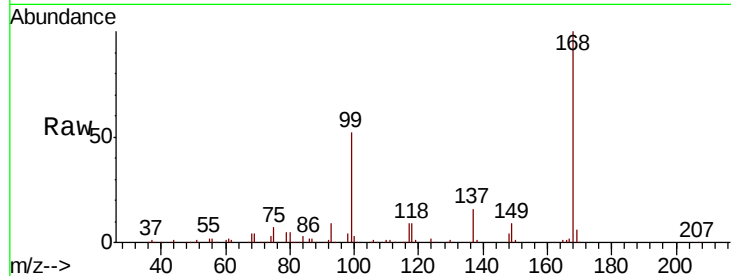
VN0803WBL03

Tot Ion:168 Resp: 651594

Ion Ratio Lower Upper

168 100

99 51.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

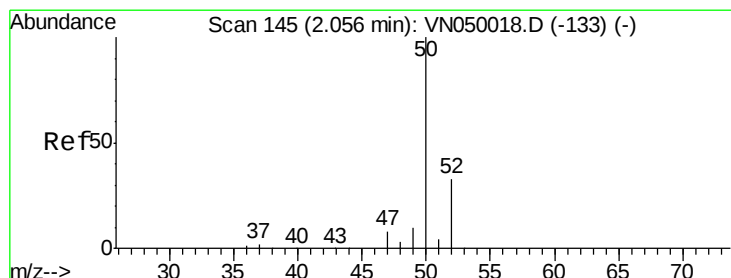
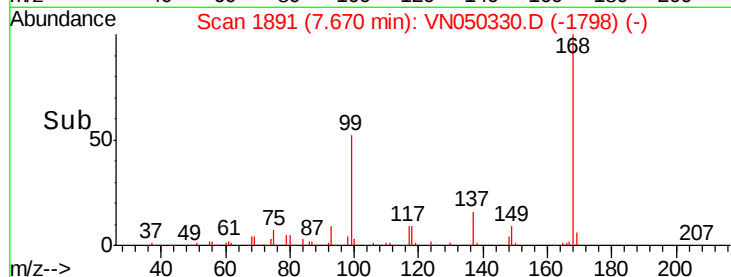
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.35 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050330.D

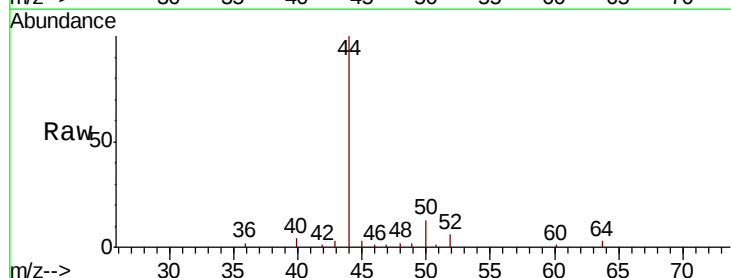
Acq: 3 Aug 2018 23:16

Tgt Ion: 50 Resp: 3538

Ion Ratio Lower Upper

50 100

52 41.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2500

2000

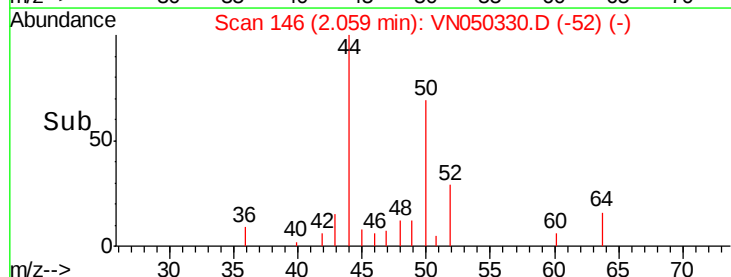
1500

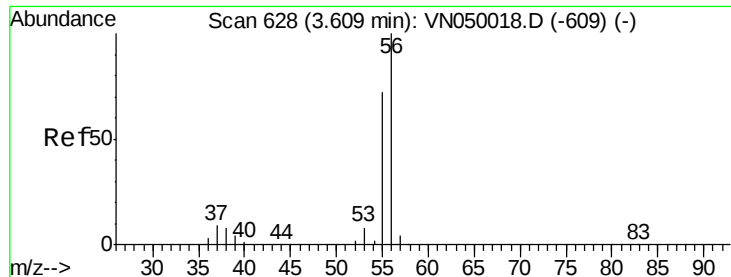
1000

500

0

Time-->





#13

Acrolein

Concen: 0.76 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050330.D

Acq: 3 Aug 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

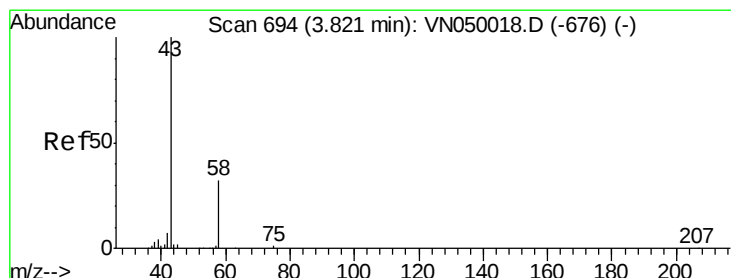
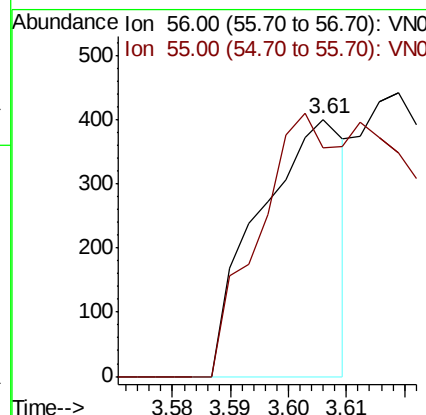
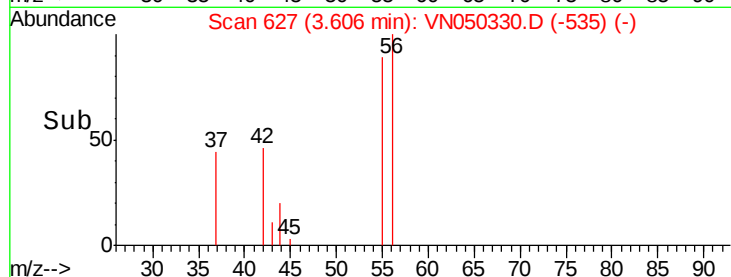
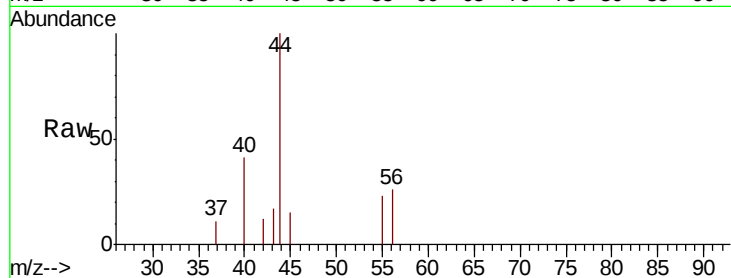
VN0803WBL03

Tot Ion: 56 Resp: 411

Ion Ratio Lower Upper

56 100

55 97.8 55.8 83.6#



#16

Acetone

Concen: 3.33 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050330.D

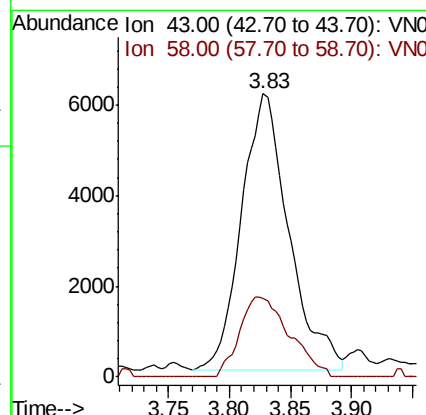
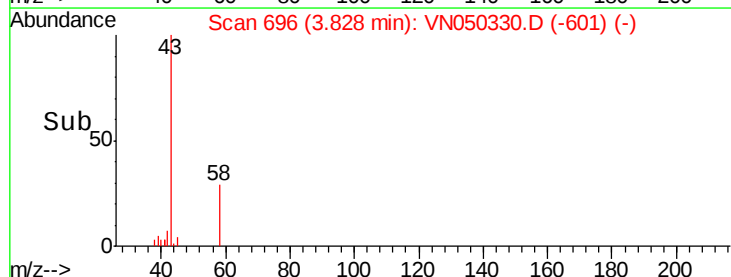
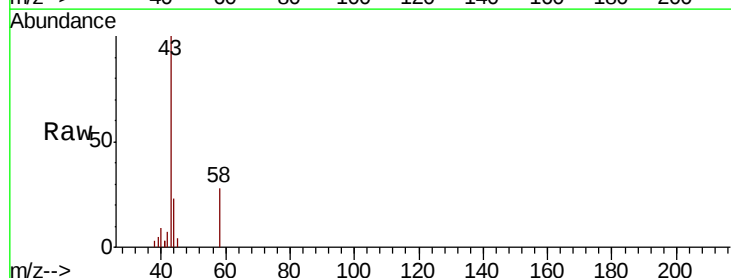
Acq: 3 Aug 2018 23:16

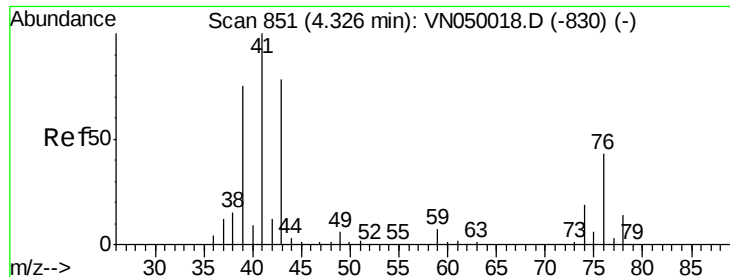
Tgt Ion: 43 Resp: 16303

Ion Ratio Lower Upper

43 100

58 28.5 25.8 38.8

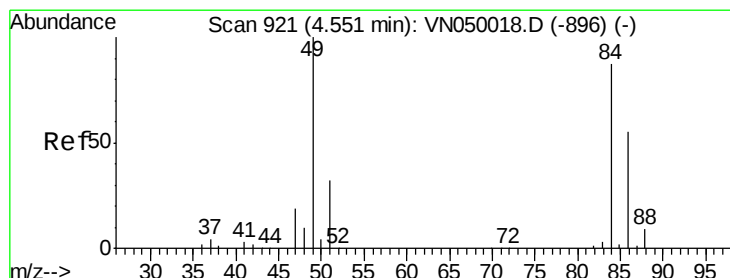
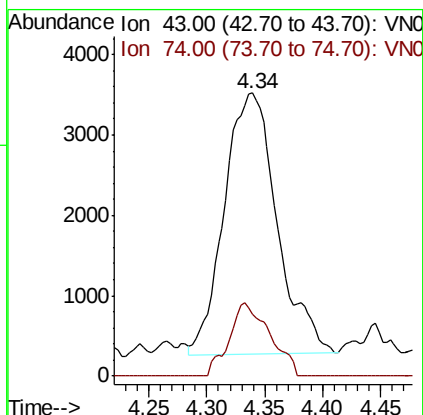
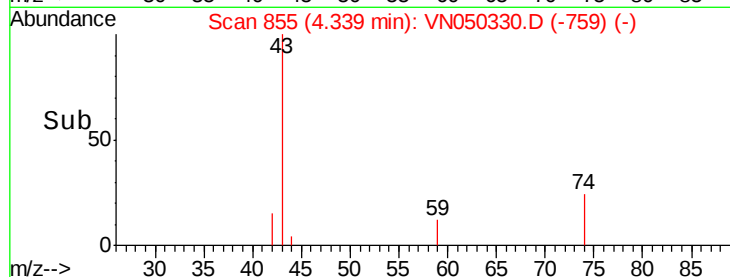
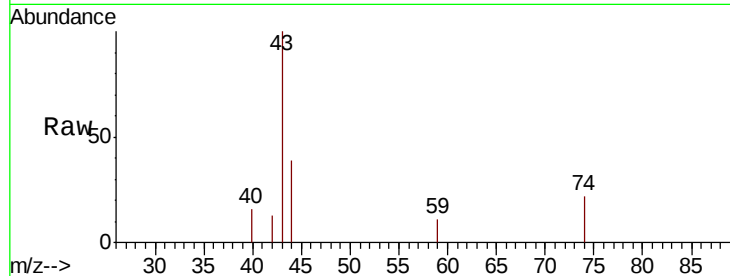




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

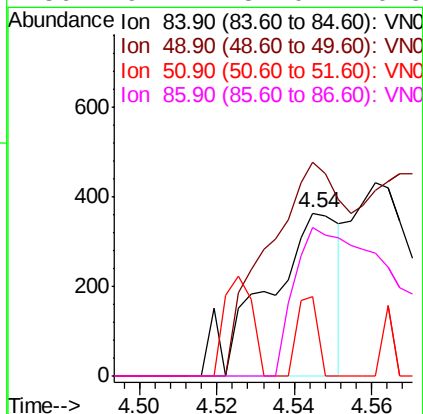
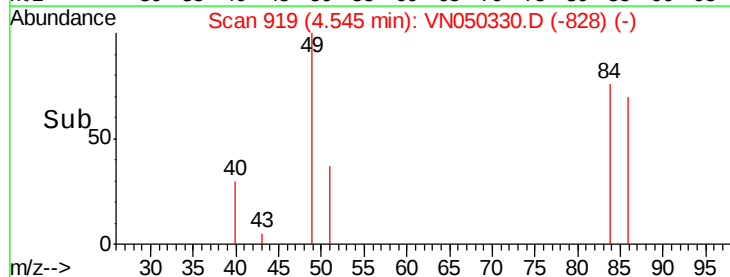
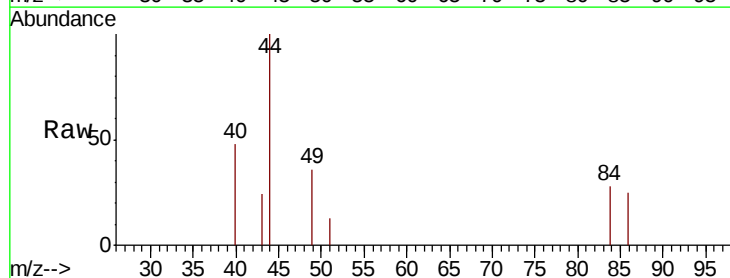
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL03

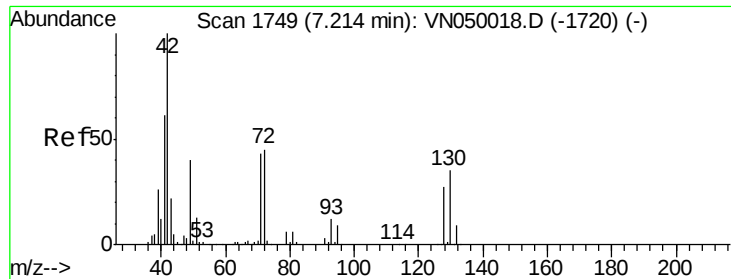
Tot Ion: 43 Resp: 10274
Ion Ratio Lower Upper
43 100
74 21.5 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

Tgt Ion: 84 Resp: 471
Ion Ratio Lower Upper
84 100
49 131.0 94.8 142.2
51 48.9 28.3 42.5#
86 91.2 51.0 76.6#

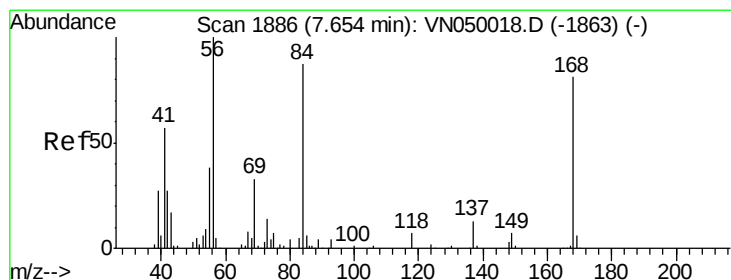
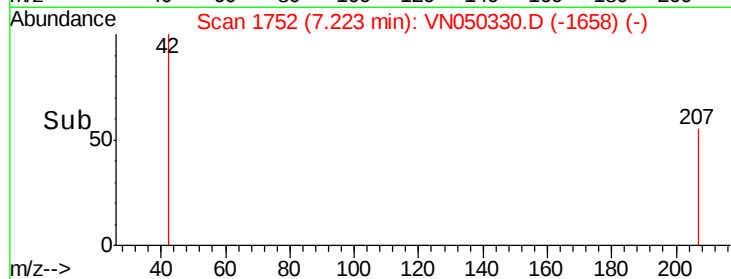
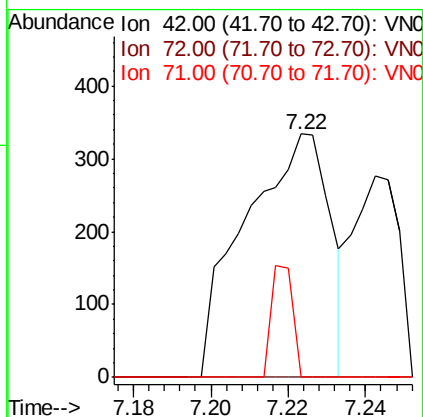
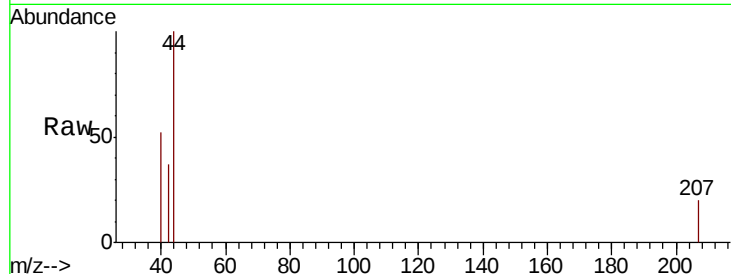




#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.00 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

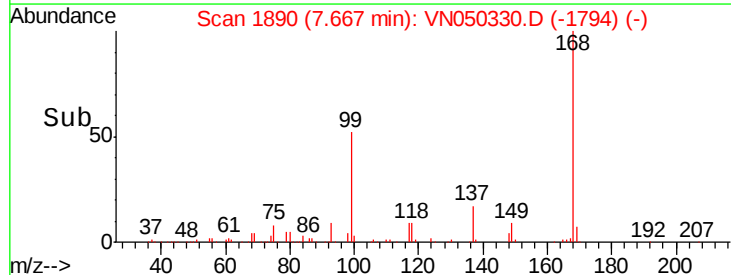
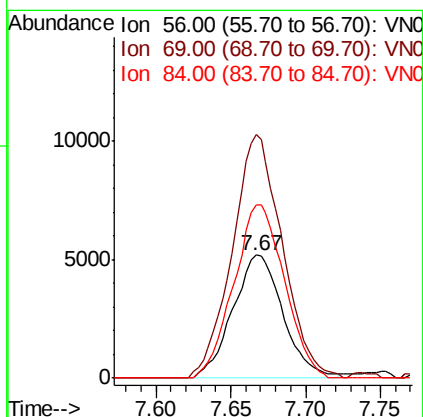
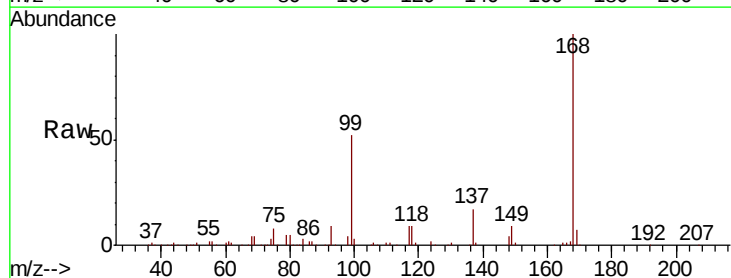
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL03

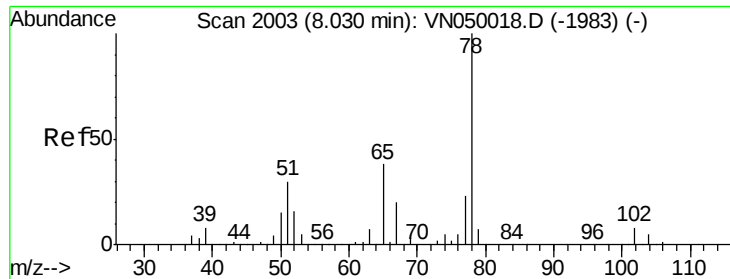
Tot Ion: 42 Resp: 511
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 11.4 33.7 50.5#



#31
Cyclohexane
Concen: 0.90 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

Tgt Ion: 56 Resp: 12134
Ion Ratio Lower Upper
56 100
69 198.2 26.2 39.4#
84 141.1 67.4 101.0#

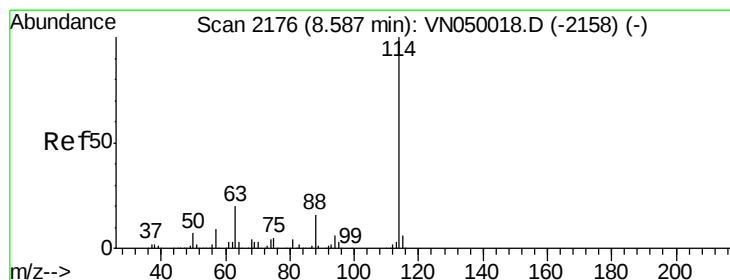
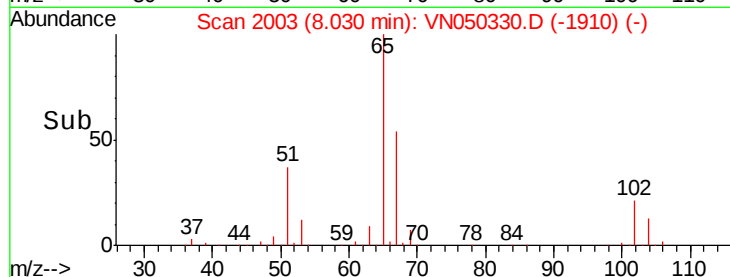
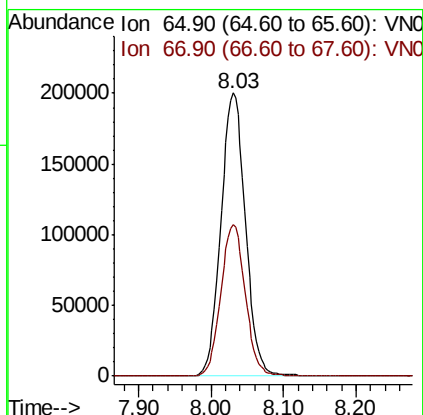
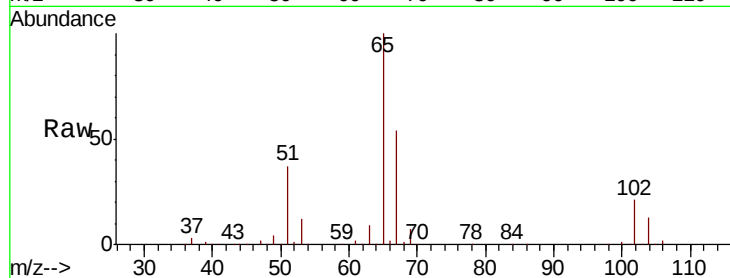




#33
 1,2-Dichloroethane-d4
 Concen: 51.92 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050330.D
 Acq: 3 Aug 2018 23:16

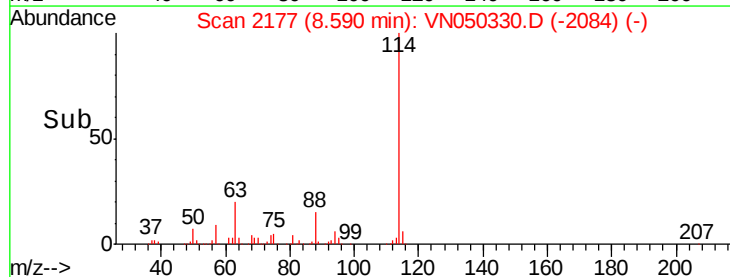
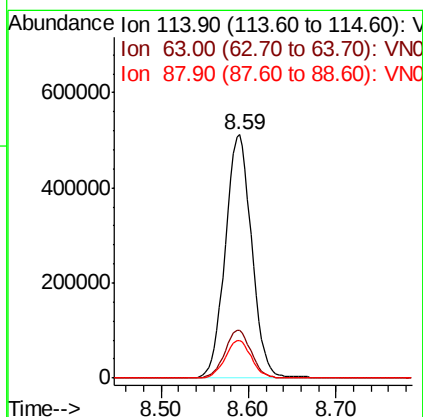
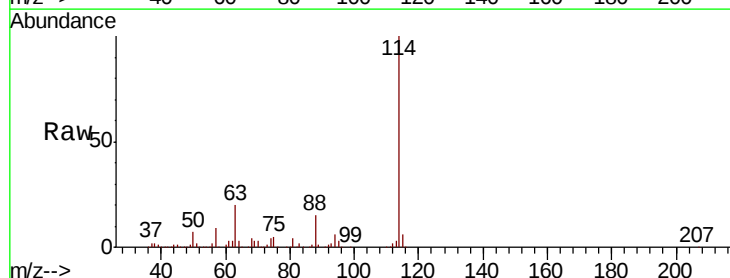
Instrument :
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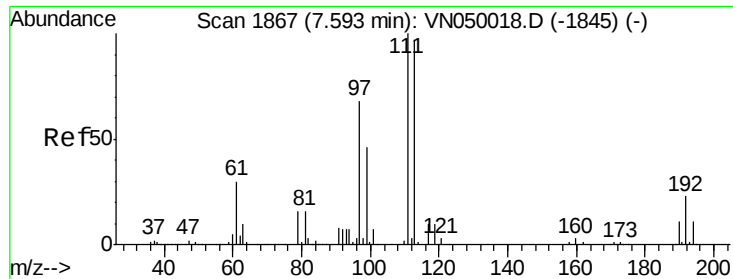
Tot Ion: 65 Resp: 471974
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050330.D
 Acq: 3 Aug 2018 23:16

Tgt Ion: 114 Resp: 1071072
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.4 0.0 31.2

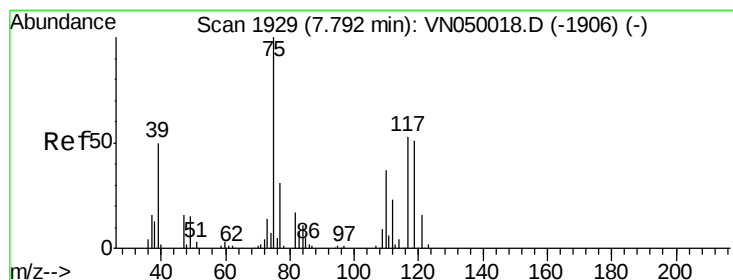
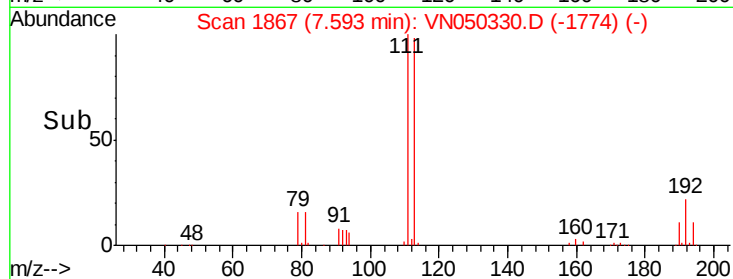
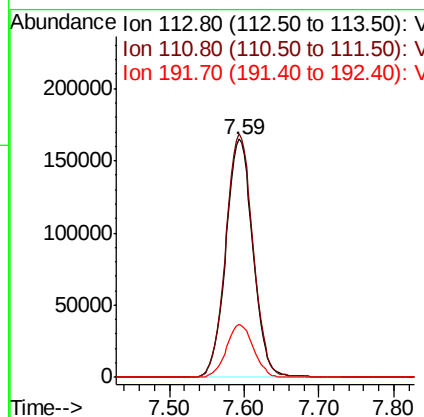
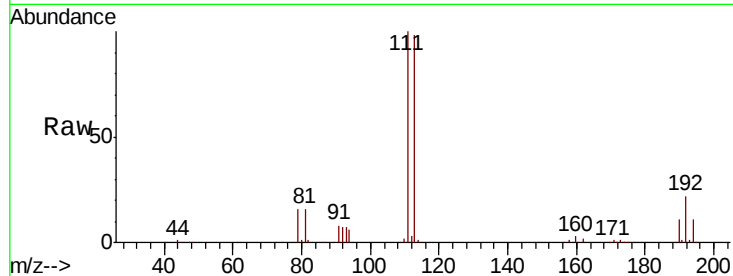




#35
 Dibromofluoromethane
 Concen: 47.29 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050330.D
 Acq: 3 Aug 2018 23:16

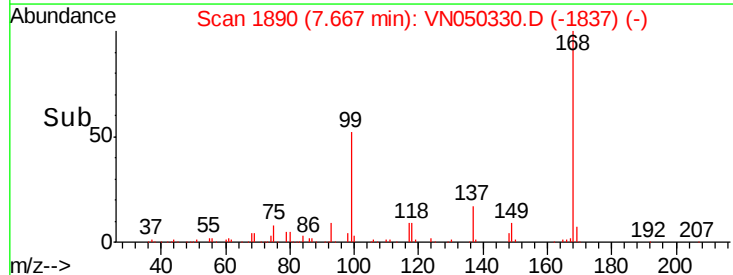
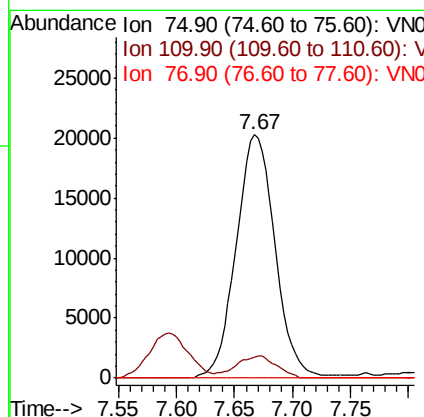
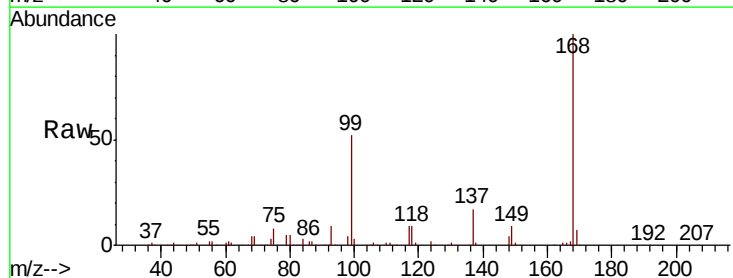
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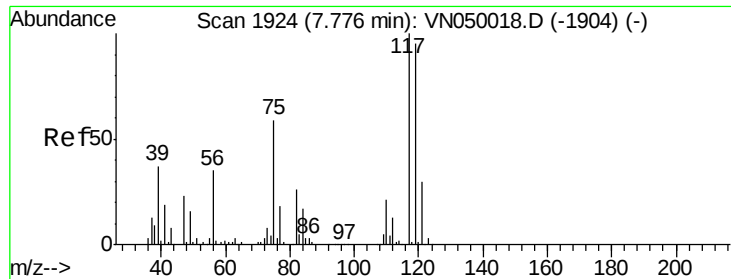
Tot Ion:113 Resp: 413541
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.3 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.93 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050330.D
 Acq: 3 Aug 2018 23:16

Tgt Ion: 75 Resp: 47436
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.2#
 77 0.0 25.3 37.9#

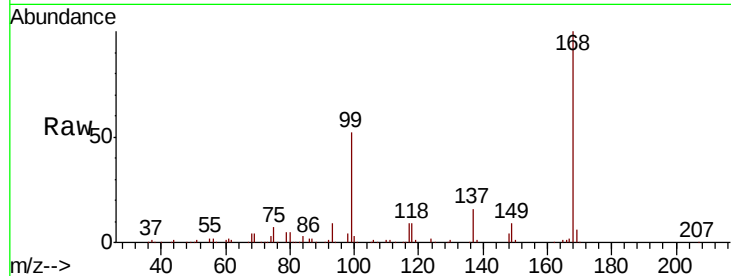




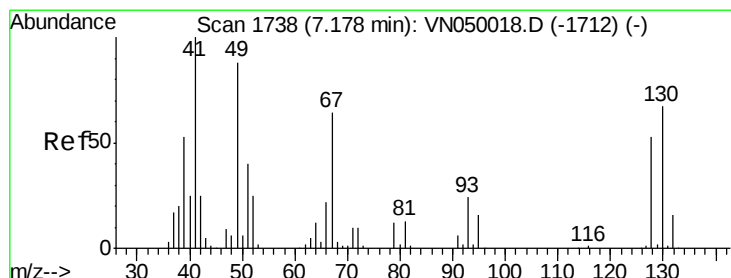
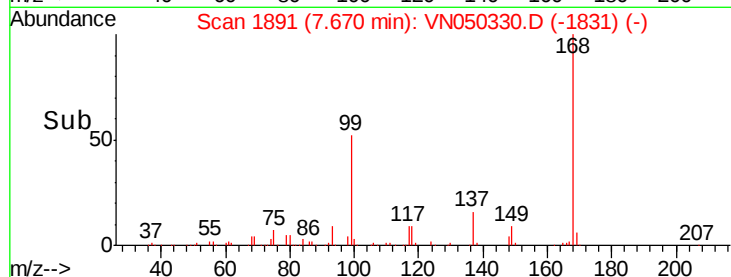
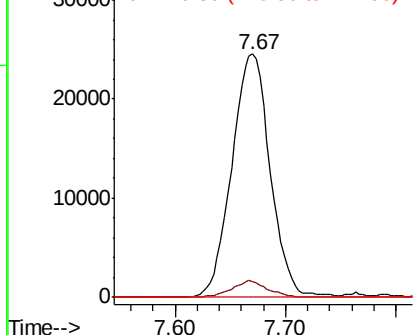
#38
Carbon Tetrachloride
Concen: 4.62 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL03

Tot Ion:117 Resp: 59170
Ion Ratio Lower Upper
117 100
119 6.7 77.4 116.0#
121 0.0 23.9 35.9#

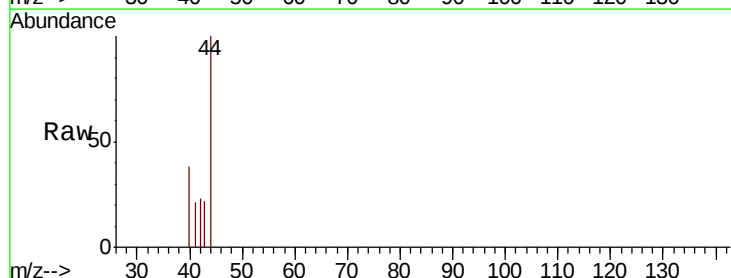


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

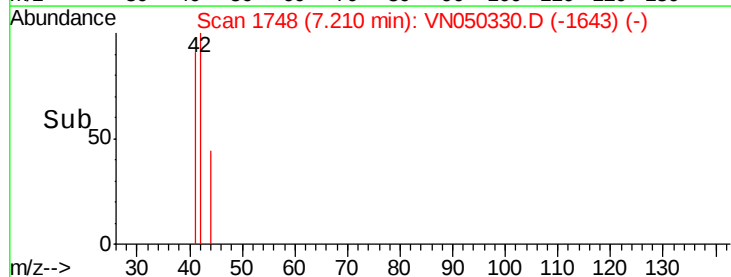
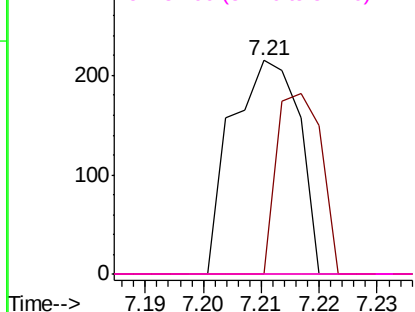


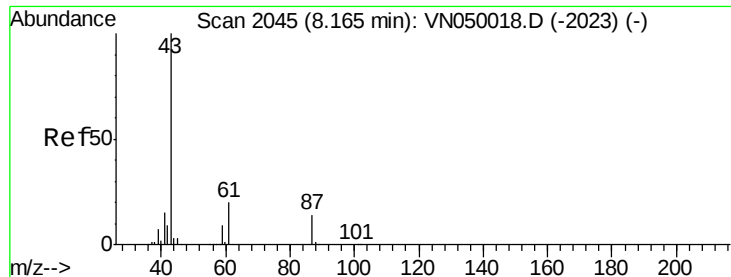
#41
Methacrylonitrile
Concen: 2.79 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

Tgt Ion: 41 Resp: 174
Ion Ratio Lower Upper
41 100
39 56.3 55.8 83.6
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 3.58 ug/l

RT: 8.25 min Scan# 2070

Delta R.T. 0.08 min

Lab File: VN050330.D

Acq: 3 Aug 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBL03

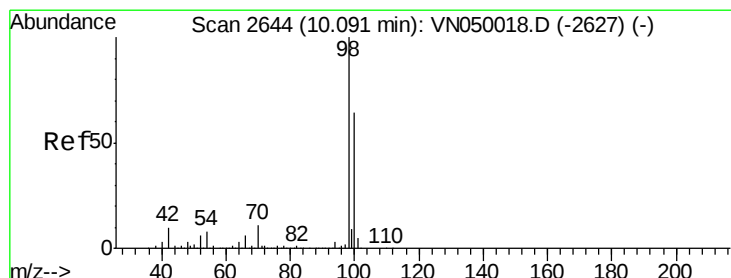
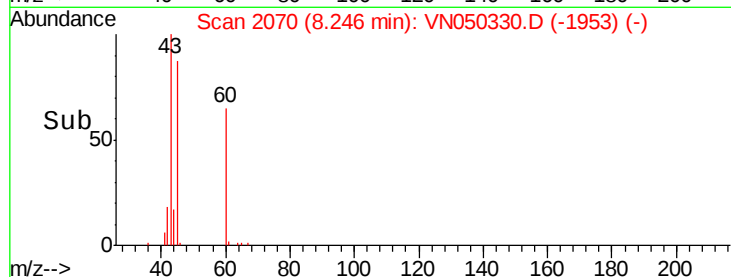
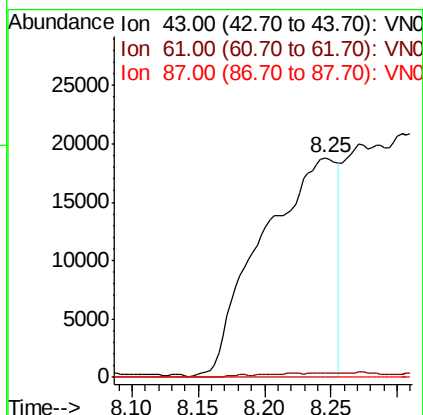
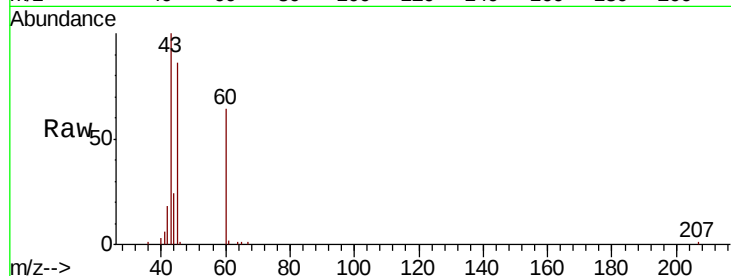
Tot Ion: 43 Resp: 73493

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.71 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050330.D

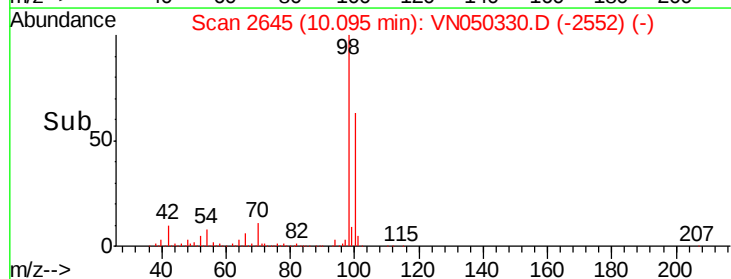
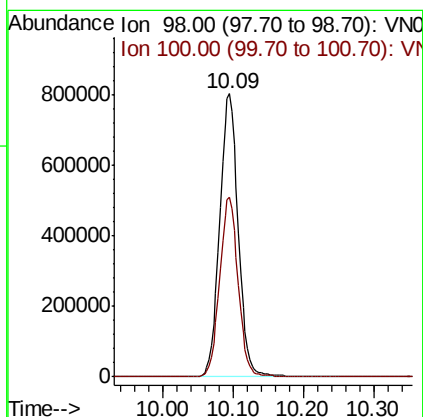
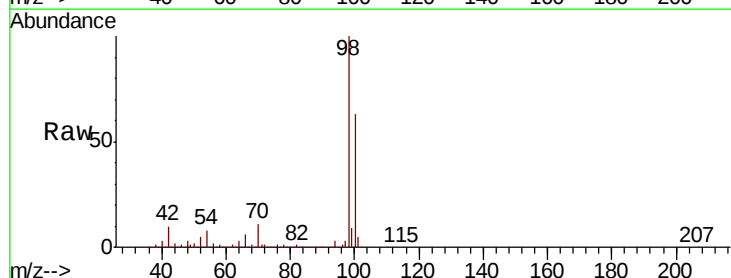
Acq: 3 Aug 2018 23:16

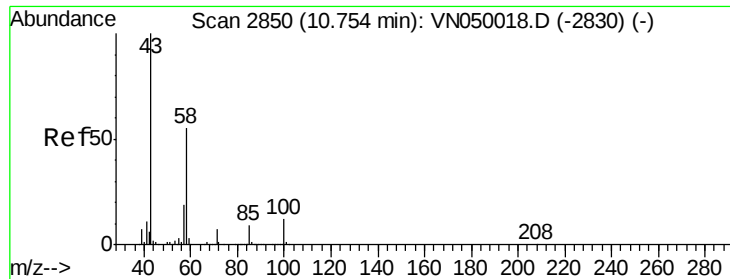
Tgt Ion: 98 Resp: 1469619

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1

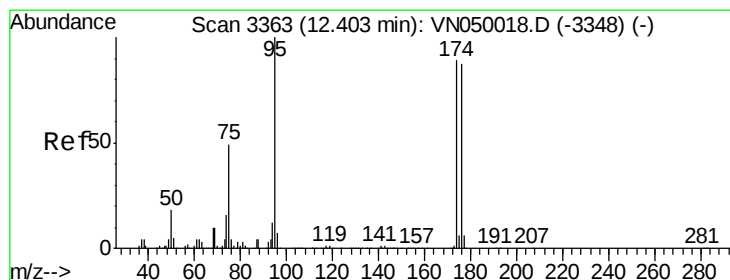
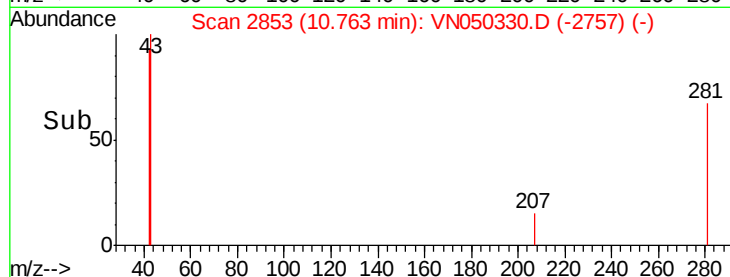
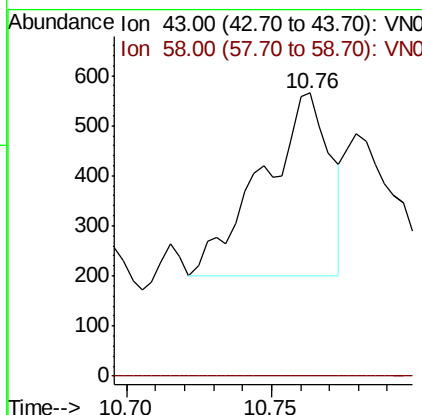
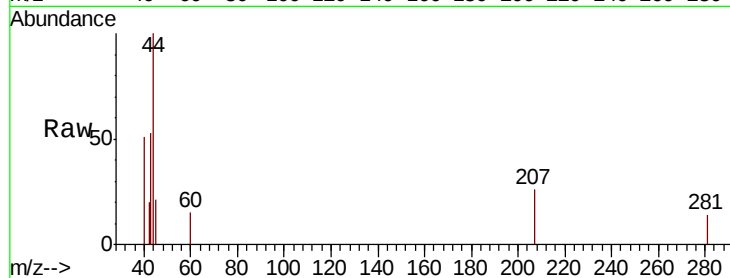




#59
2-Hexanone
Concen: 5.27 ug/l
RT: 10.76 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

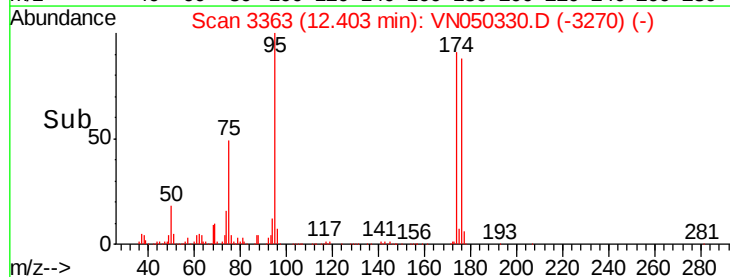
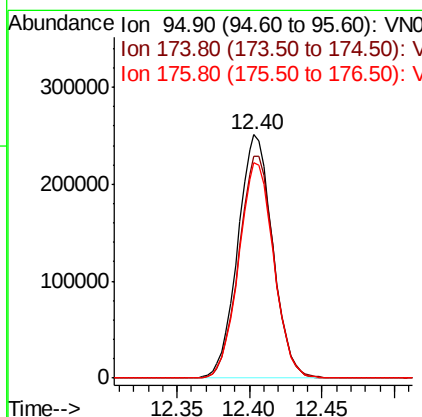
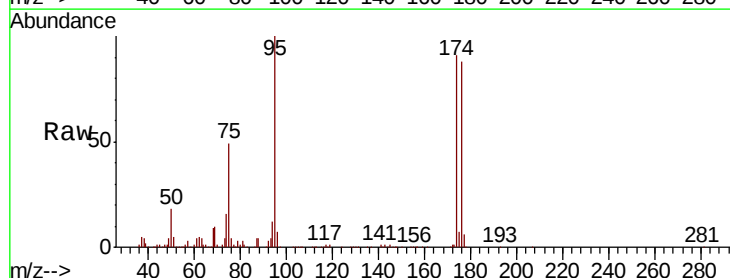
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL03

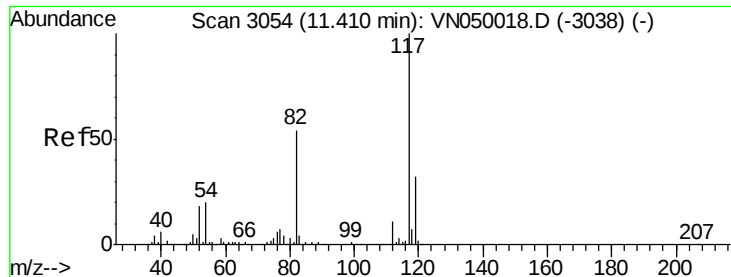
Tot Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 39.58 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

Tgt Ion: 95 Resp: 419017
Ion Ratio Lower Upper
95 100
174 92.1 0.0 178.2
176 88.9 0.0 173.4

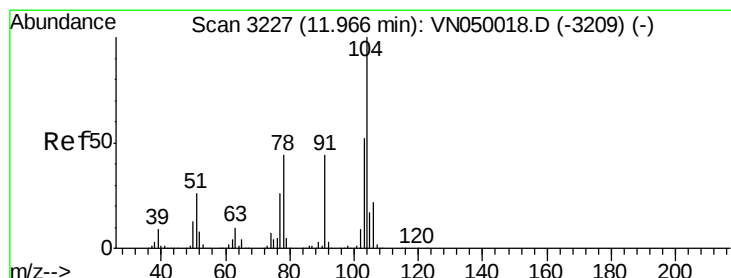
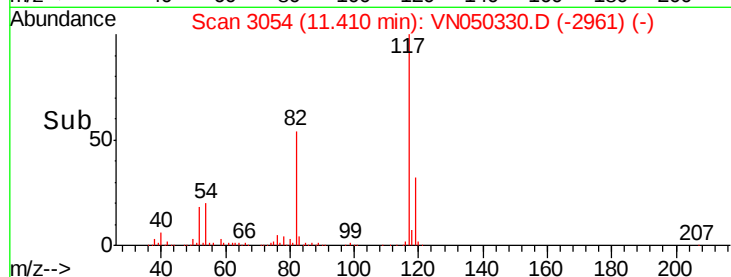
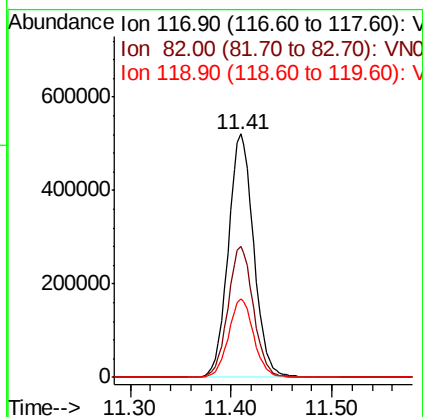
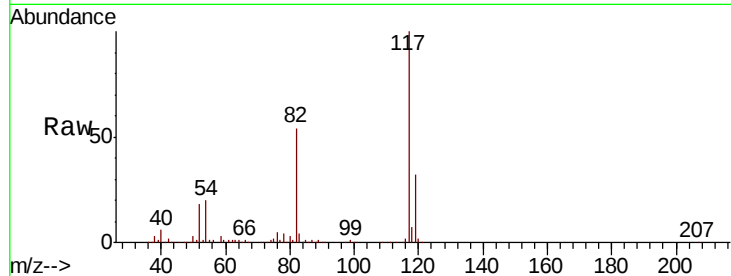




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

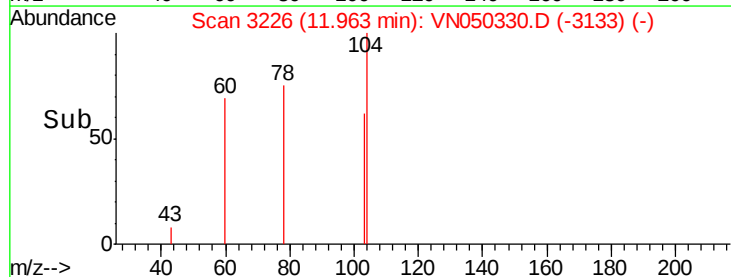
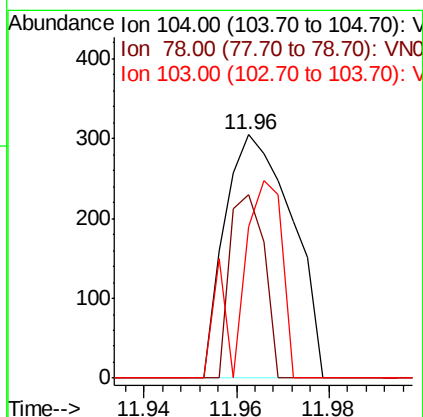
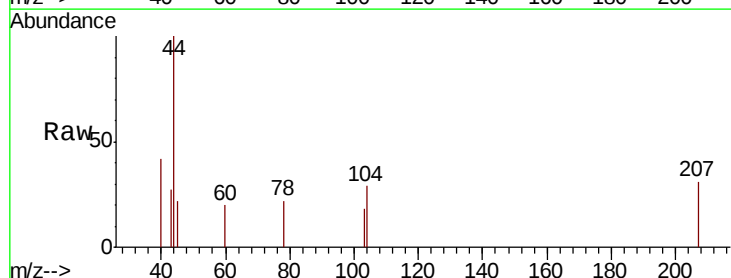
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL03

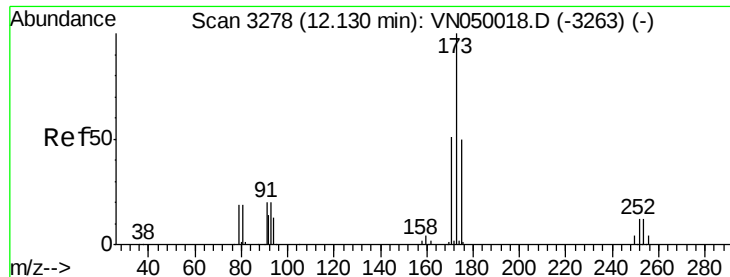
Tot Ion:117 Resp: 913696
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 32.2 26.1 39.1



#70
Styrene
Concen: 0.94 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050330.D
Acq: 3 Aug 2018 23:16

Tgt Ion:104 Resp: 308
Ion Ratio Lower Upper
104 100
78 38.3 39.3 58.9#
103 51.3 45.0 67.6





#71

Bromoform

Concen: 0.57 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050330.D

Acq: 3 Aug 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBL03

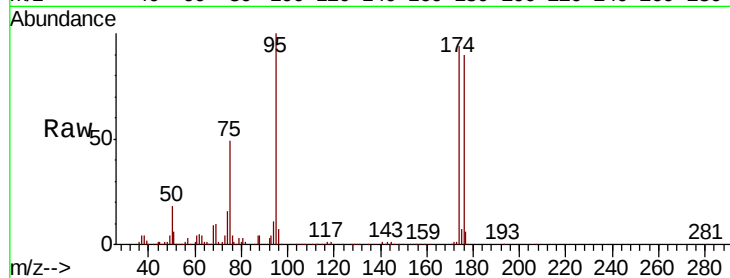
Tot Ion:173 Resp: 3707

Ion Ratio Lower Upper

173 100

175 682.4 24.1 72.2#

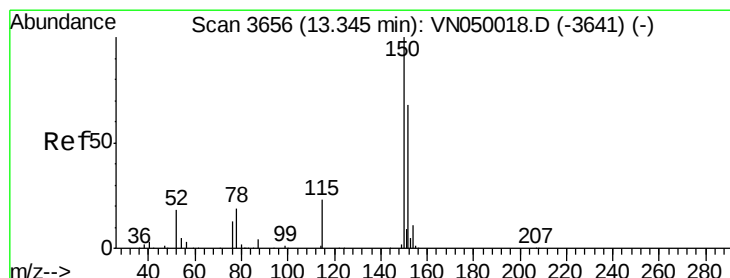
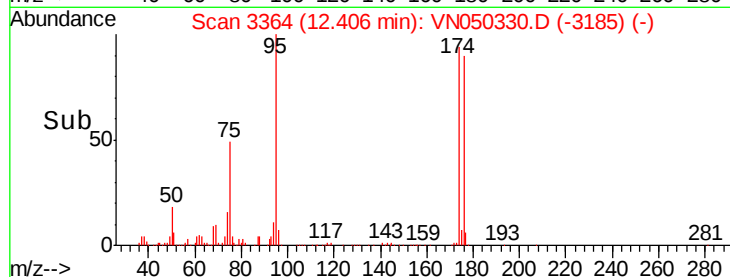
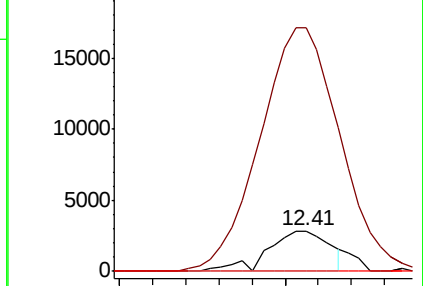
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050330.D

Acq: 3 Aug 2018 23:16

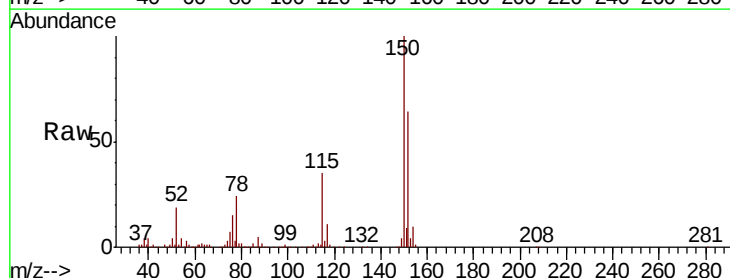
Tgt Ion:152 Resp: 378593

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

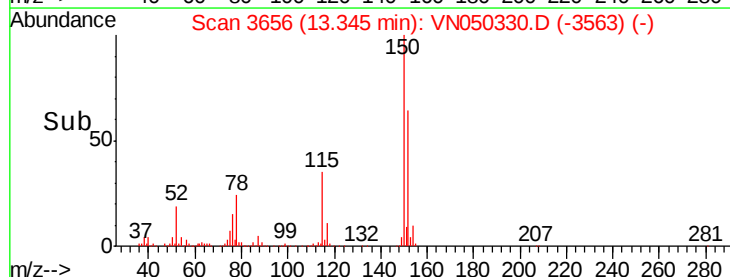
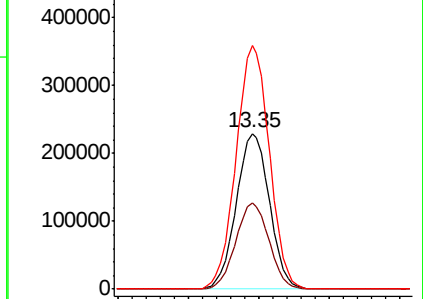
150 156.9 0.0 348.6

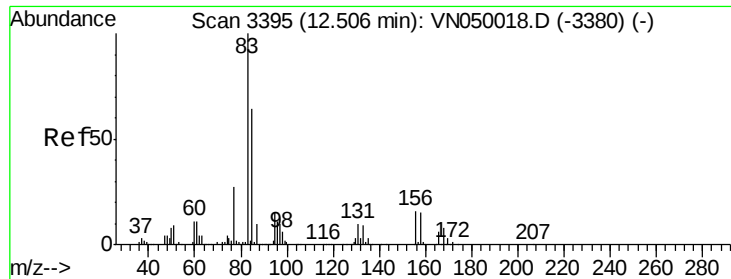


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.41 min Scan# 3366

Delta R.T. -0.09 min

Lab File: VN050330.D

Acq: 3 Aug 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBL03

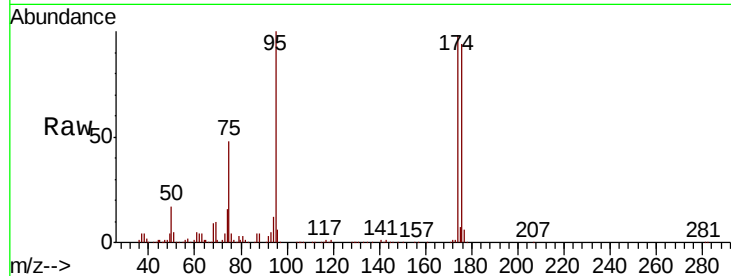
Tot Ion: 83 Resp: 98

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

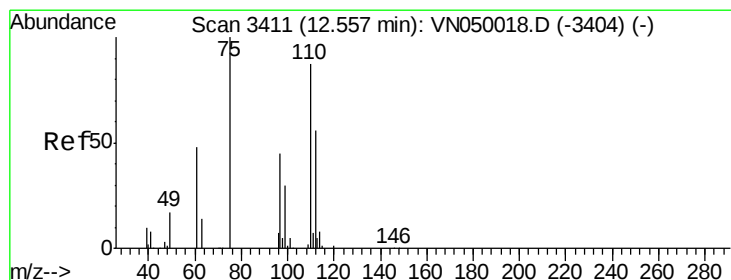
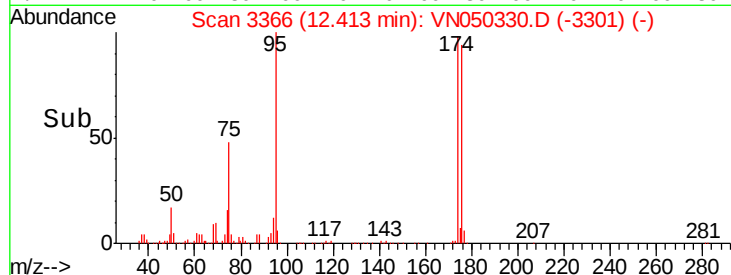
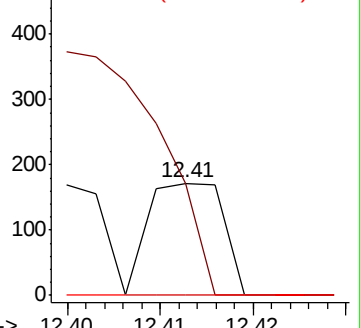
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050330.D

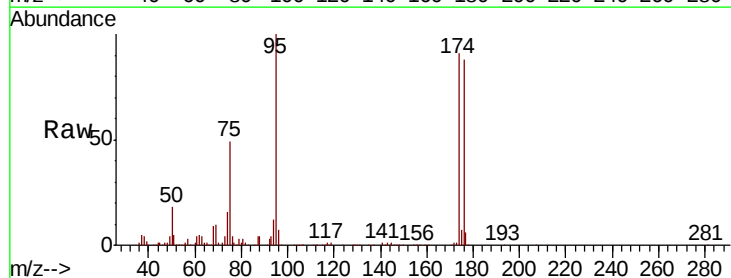
Acq: 3 Aug 2018 23:16

Tgt Ion: 75 Resp: 204154

Ion Ratio Lower Upper

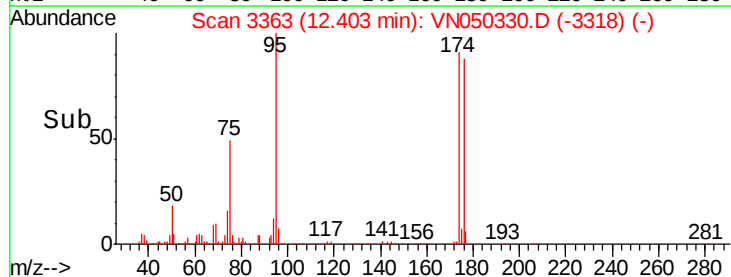
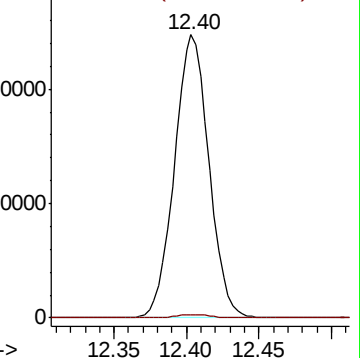
75 100

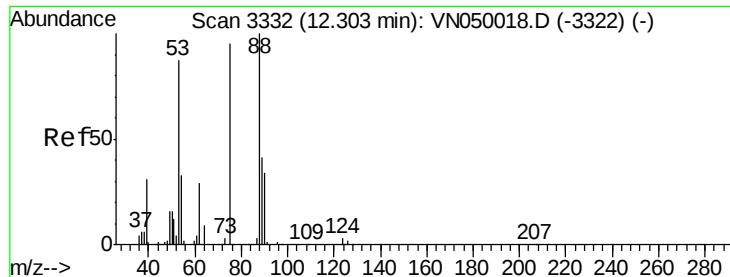
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 92.03 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050330.D

Acq: 3 Aug 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBL03

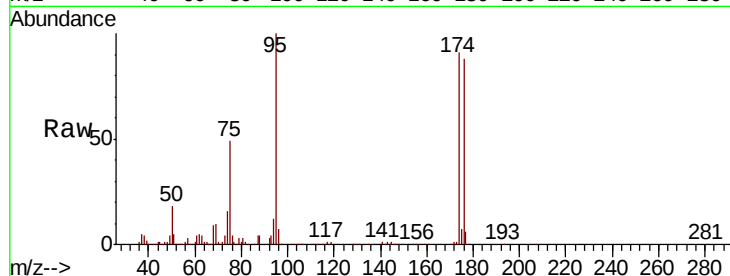
Tot Ion: 75 Resp: 204154

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

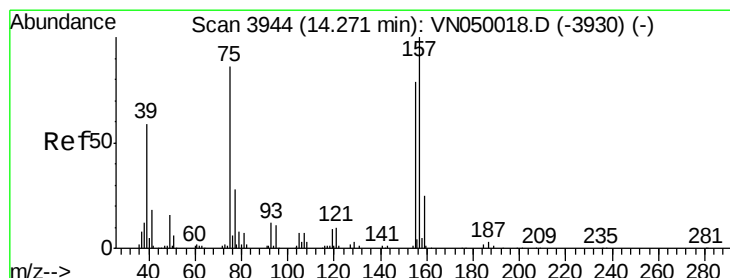
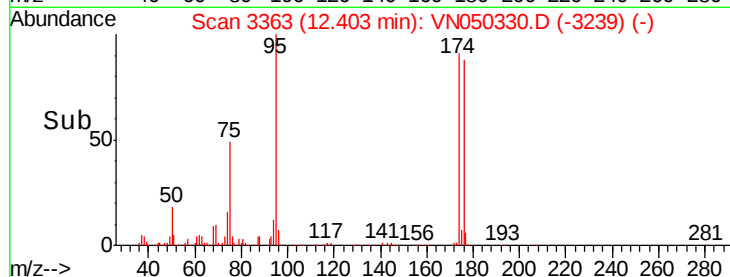
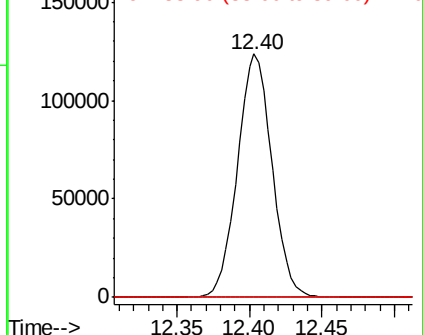
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN050330.D

Acq: 3 Aug 2018 23:16

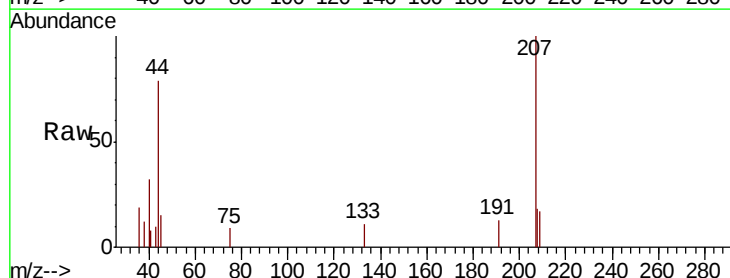
Tgt Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

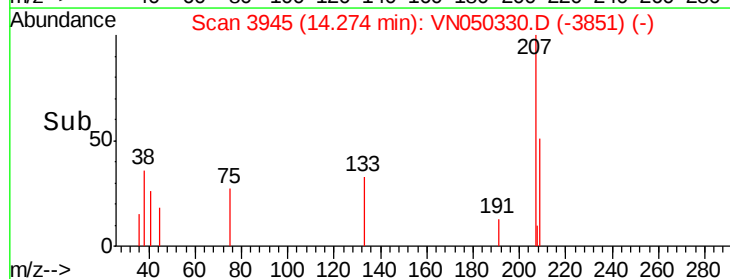
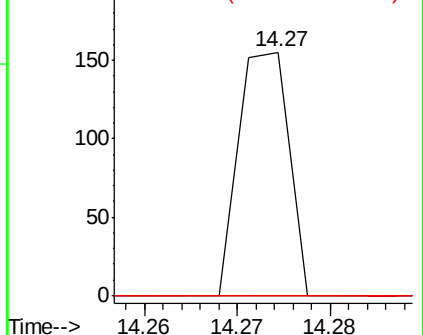
157 0.0 57.2 171.6#

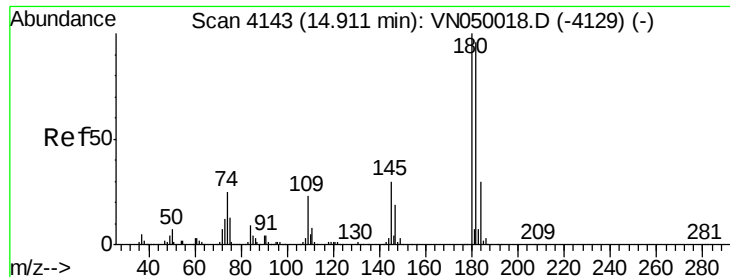


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

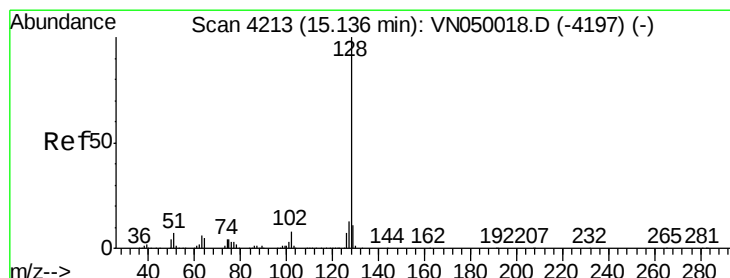
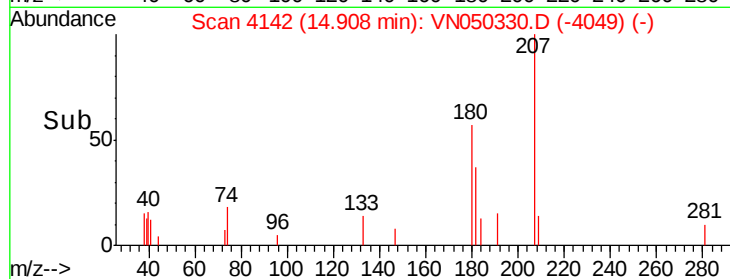
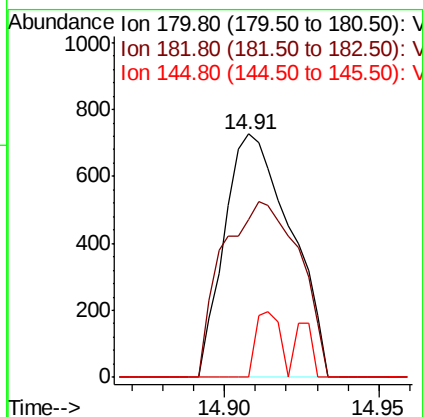
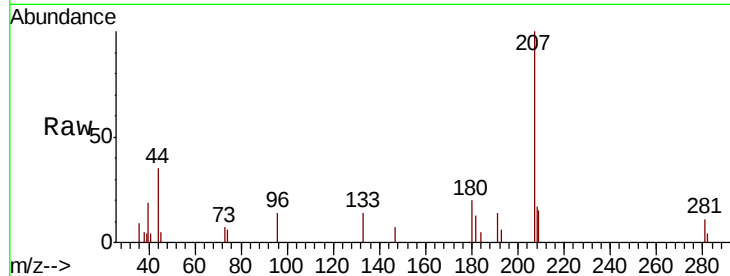




#93
 1,2,4-Trichlorobenzene
 Concen: 3.23 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050330.D
 Acq: 3 Aug 2018 23:16

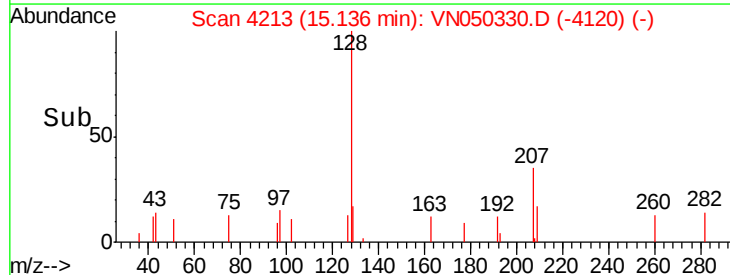
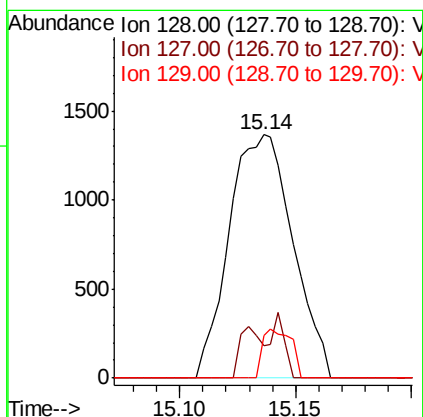
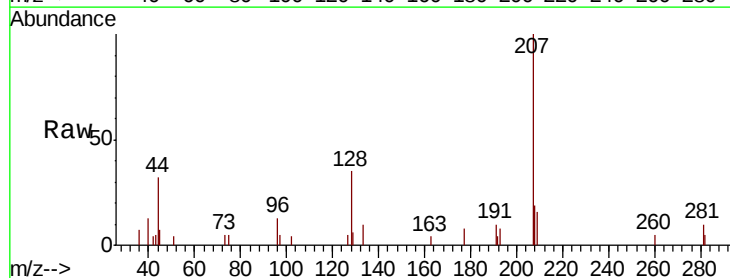
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBL03

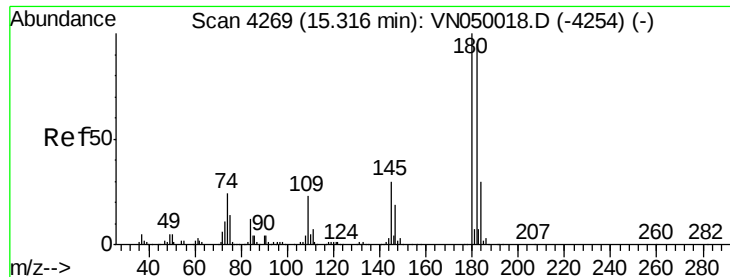
Tot Ion:180 Resp: 1083
 Ion Ratio Lower Upper
 180 100
 182 83.7 46.7 140.1
 145 9.7 13.8 41.4#



#95
 Naphthalene
 Concen: 4.55 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050330.D
 Acq: 3 Aug 2018 23:16

Tgt Ion:128 Resp: 2607
 Ion Ratio Lower Upper
 128 100
 127 5.4 10.4 15.6#
 129 9.1 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 2.34 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

Lab File: VN050330.D

Acq: 3 Aug 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBL03

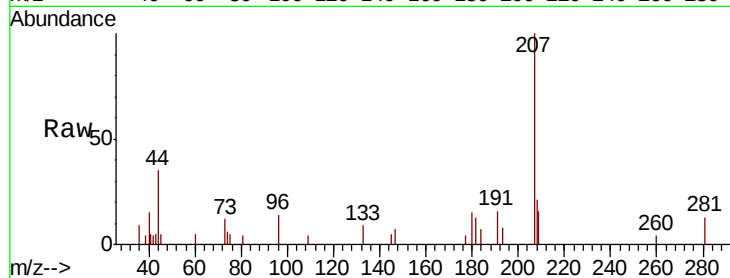
Tot Ion:180 Resp: 971

Ion Ratio Lower Upper

180 100

182 94.3 48.1 144.4

145 26.8 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

