

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050103.D
 Acq On : 27 Jul 2018 00:45
 Operator : MD\SY
 Sample : J4184-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 27 04:03:43 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	689222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1107514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	922279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	337122	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475927	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	422043	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
50) Toluene-d8	10.09	98	1501156	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
62) 4-Bromofluorobenzene	12.40	95	421887	38.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.08%	

Target Compounds

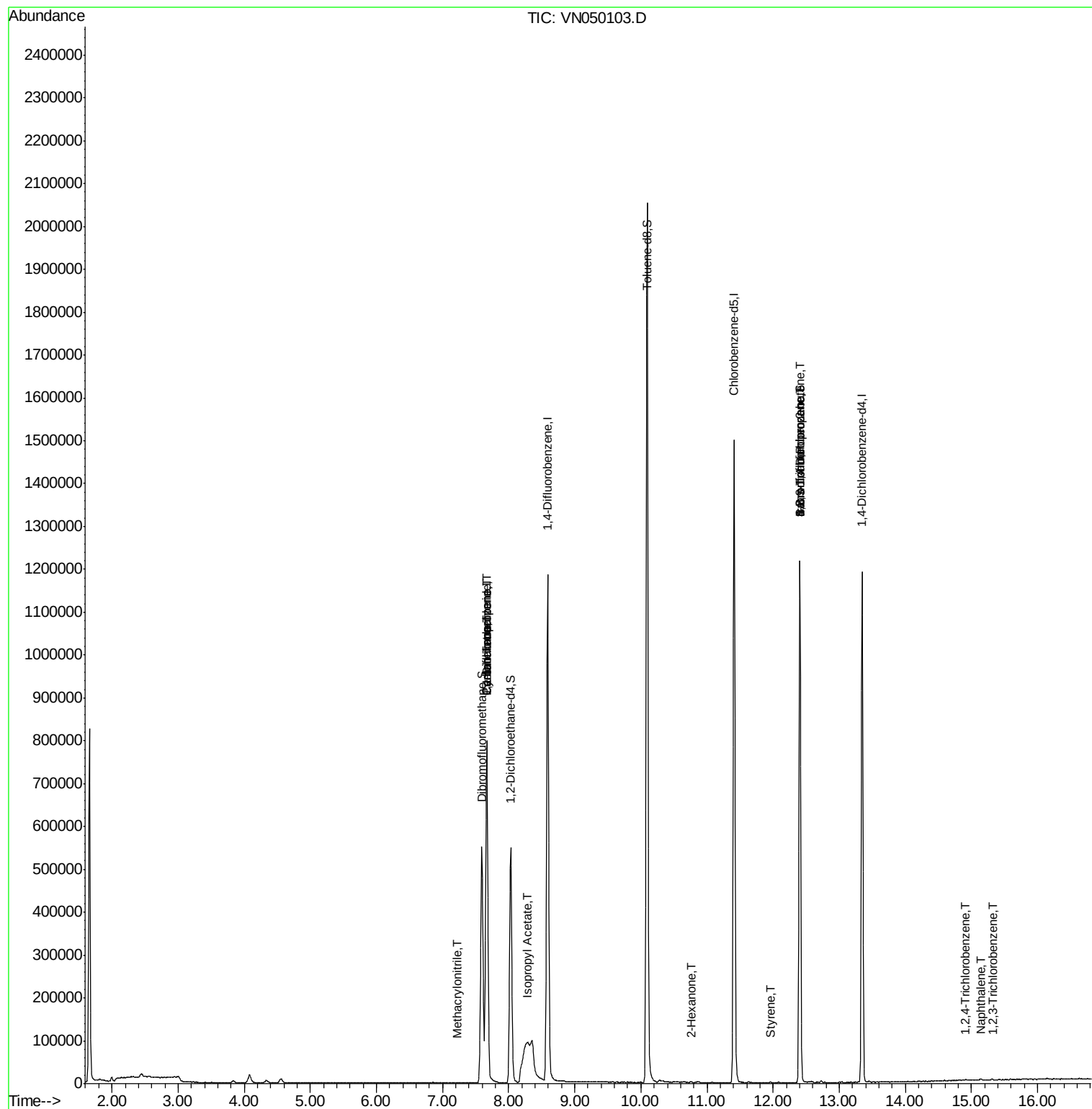
						Qvalue
5) Bromomethane	2.56	94	1523	Below Cal	#	64
16) Acetone	3.84	43	9624	Below Cal		94
18) Methyl Acetate	4.33	43	11590	Below Cal	#	82
20) Methylene Chloride	4.55	84	8088	Below Cal		90
31) Cyclohexane	7.67	56	12679	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48586	3.89	ug/l #	48
38) Carbon Tetrachloride	7.67	117	62061	4.69	ug/l #	16
41) Methacrylonitrile	7.22	41	122	2.77	ug/l #	10
43) Isopropyl Acetate	8.27	43	142768	7.75	ug/l #	61
59) 2-Hexanone	10.76	43	982	5.33	ug/l #	53
70) Styrene	11.97	104	451	0.94	ug/l #	63
71) Bromoform	12.40	173	3936	0.60	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	232	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	206997	33.04	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	206997	104.80	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	438	3.15	ug/l #	81
95) Naphthalene	15.14	128	2682	4.57	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.32	180	909	2.34	ug/l #	79

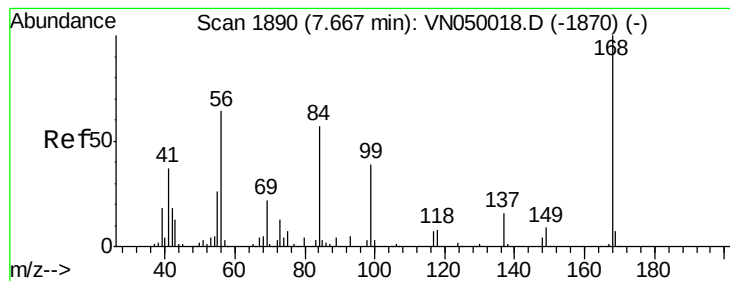
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

Instrument :

MSVOA_N

ClientSampleId :

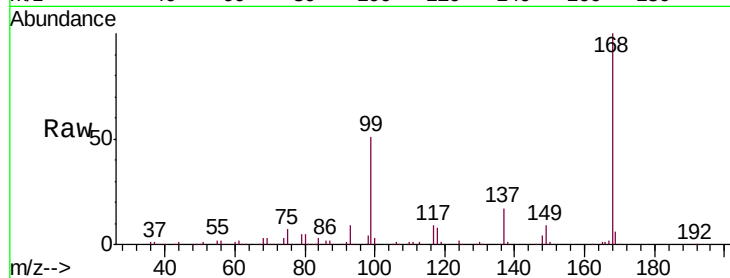
TRIP-BLANK

Tot Ion:168 Resp: 689222

Ion Ratio Lower Upper

168 100

99 51.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

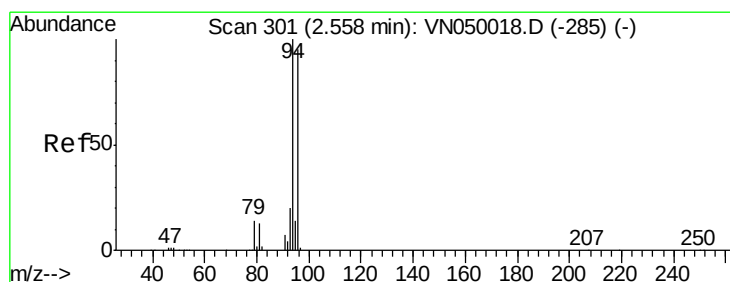
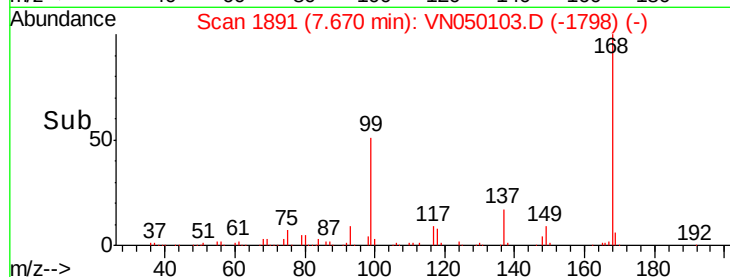
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050103.D

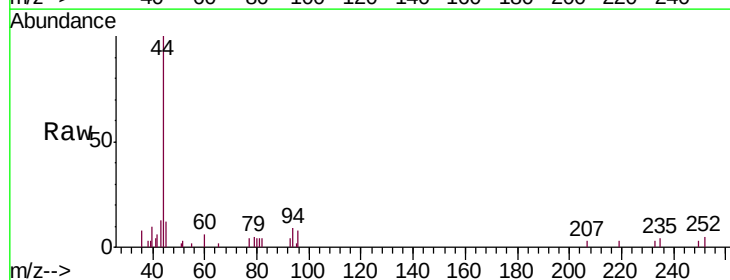
Acq: 27 Jul 2018 00:45

Tgt Ion: 94 Resp: 1523

Ion Ratio Lower Upper

94 100

96 59.1 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

800

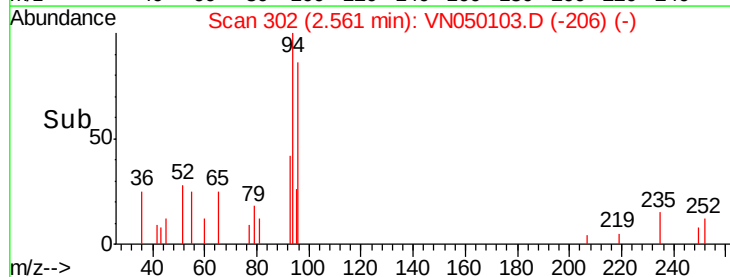
600

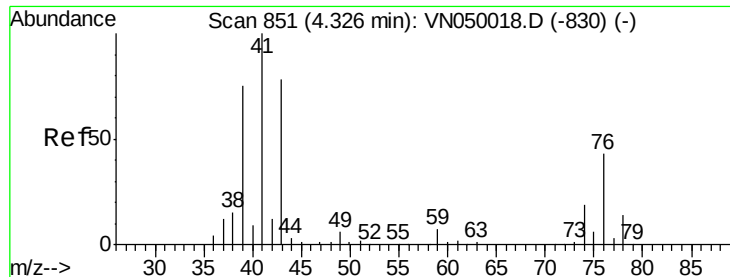
400

200

0

Time-->

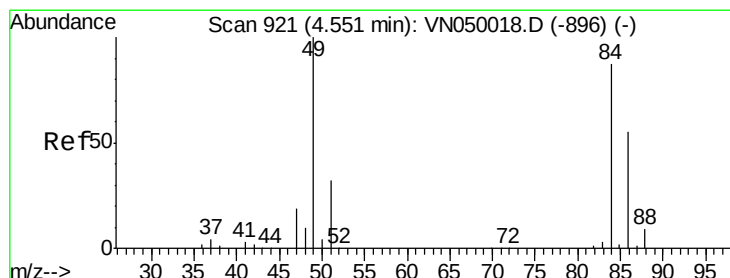
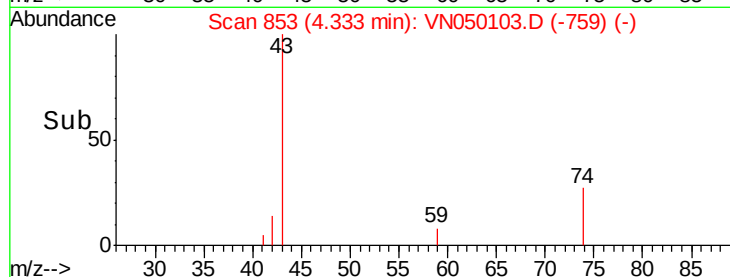
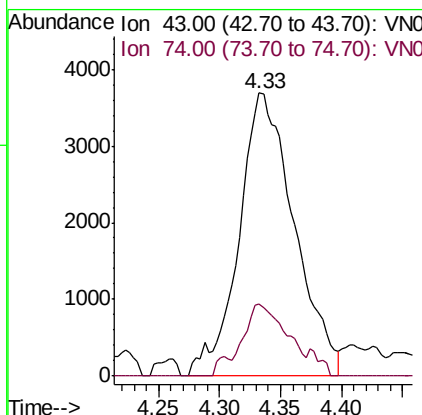
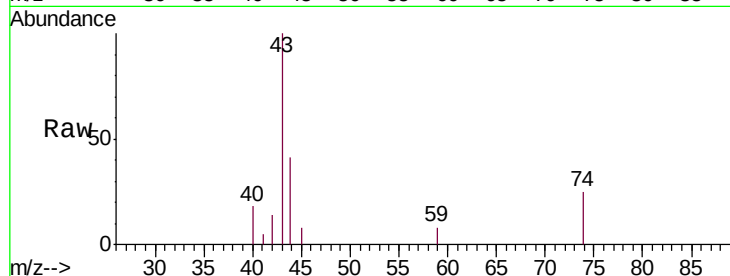




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050103.D
Acq: 27 Jul 2018 00:45

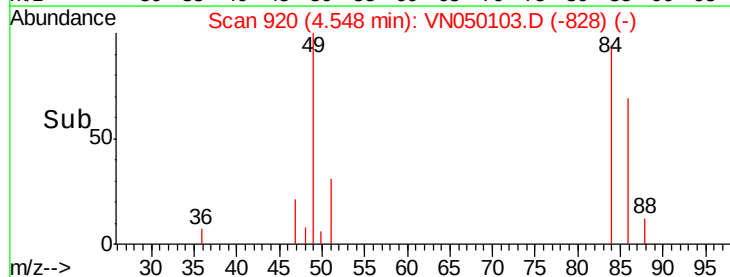
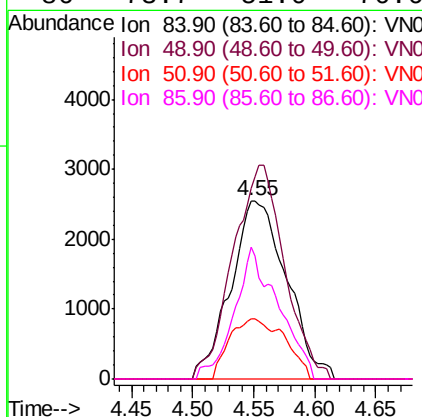
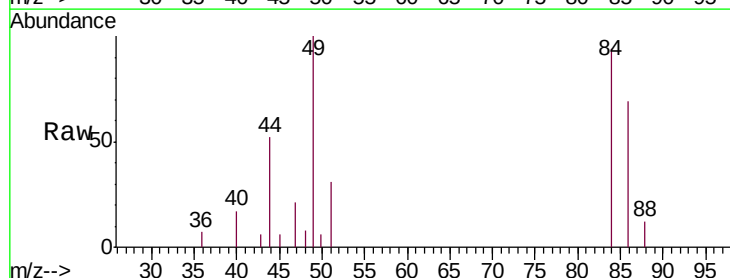
Instrument :
MSVOA_N
ClientSampleId :
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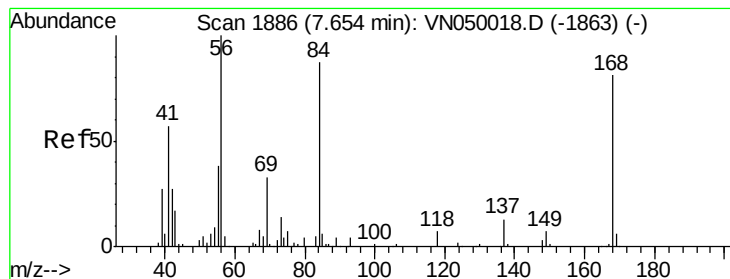
Tot Ion: 43 Resp: 11590
Ion Ratio Lower Upper
43 100
74 14.9 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050103.D
Acq: 27 Jul 2018 00:45

Tgt Ion: 84 Resp: 8088
Ion Ratio Lower Upper
84 100
49 106.7 94.8 142.2
51 33.6 28.3 42.5
86 73.7 51.0 76.6





#31

Cyclohexane

Concen: 0.89 ug/l

RT: 7.67 min Scan# 1892

Delta R.T. 0.02 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

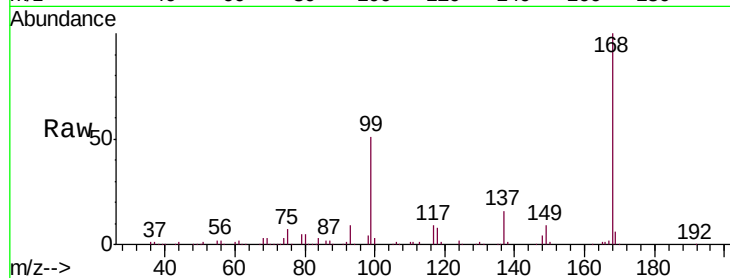
Tot Ion: 56 Resp: 12679

Ion Ratio Lower Upper

56 100

69 177.9 26.2 39.4#

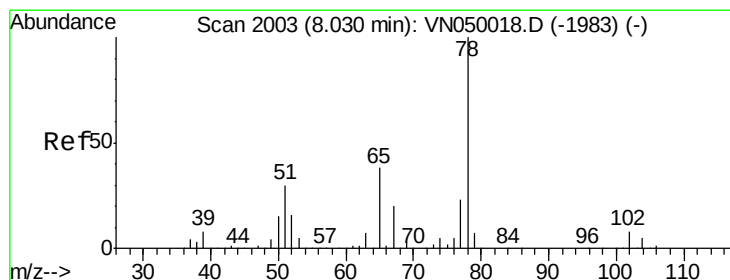
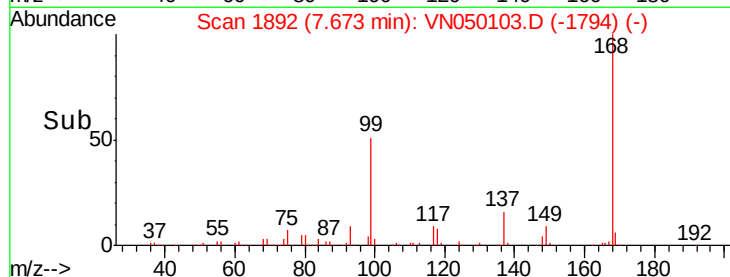
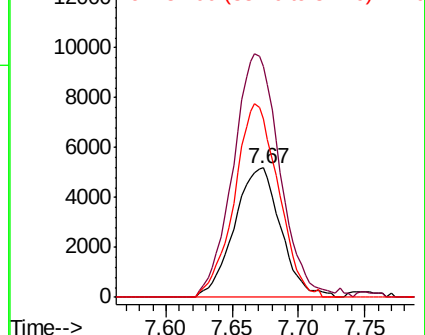
84 137.9 67.4 101.0#



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: 49.49 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050103.D

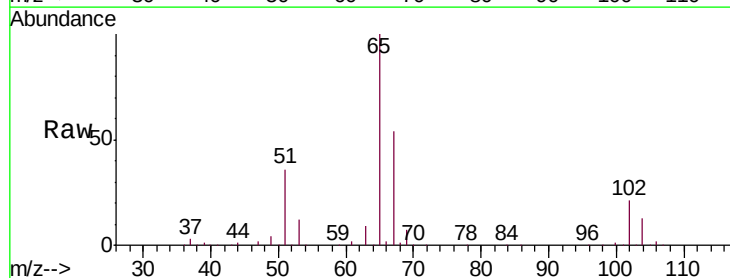
Acq: 27 Jul 2018 00:45

Tgt Ion: 65 Resp: 475927

Ion Ratio Lower Upper

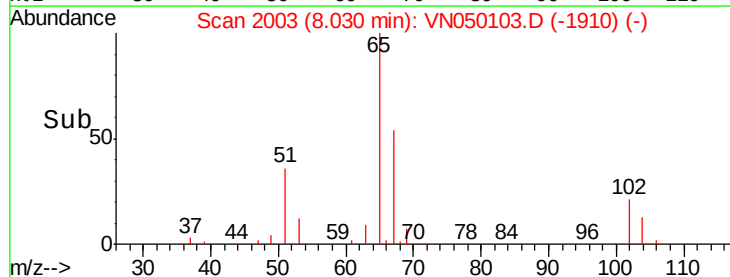
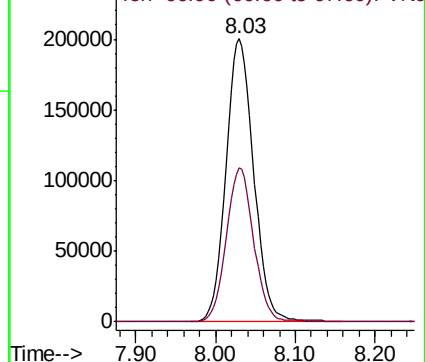
65 100

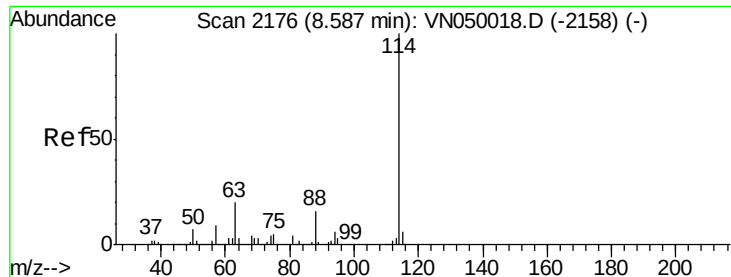
67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

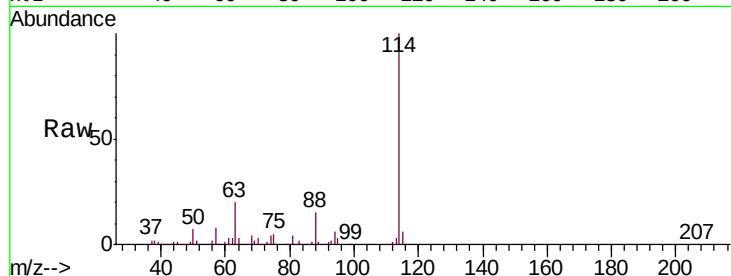




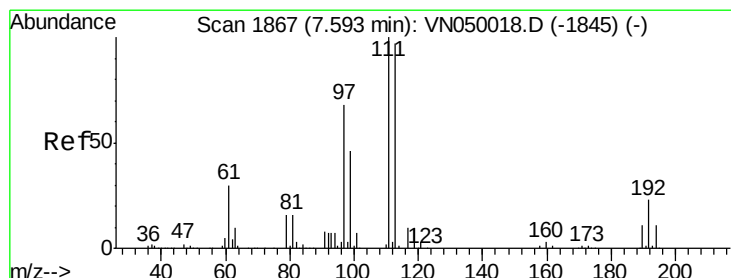
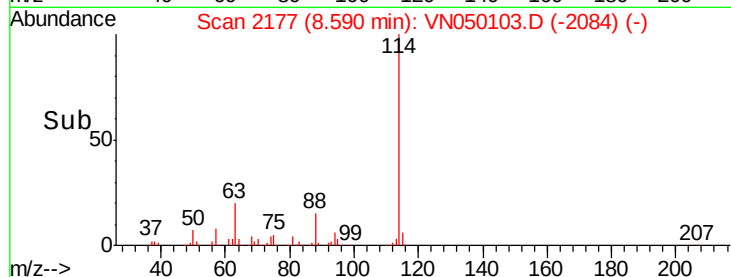
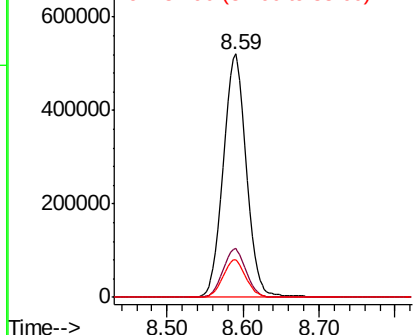
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050103.D
 Acq: 27 Jul 2018 00:45

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:114 Resp: 1107514
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.2 0.0 31.2

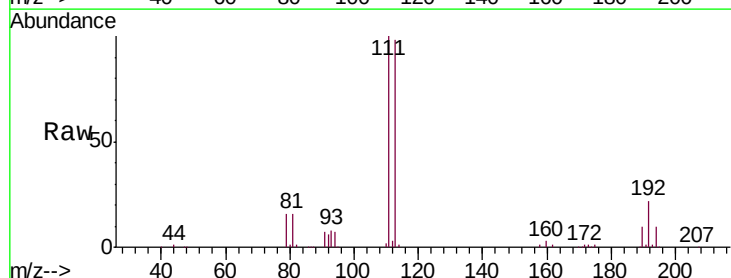


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

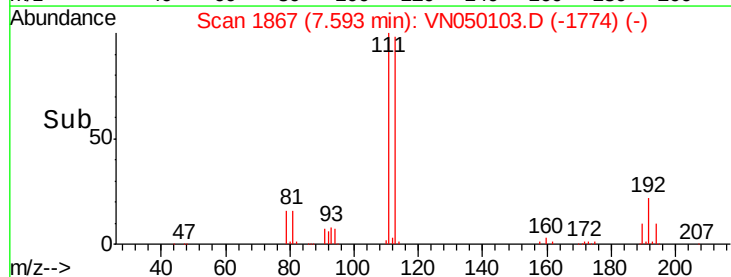
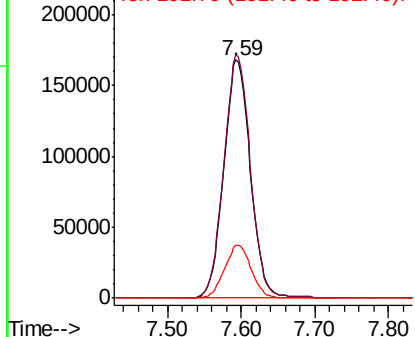


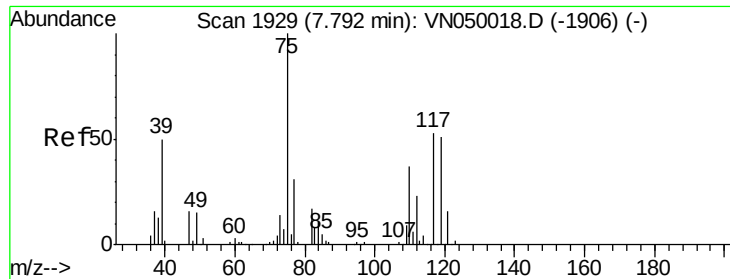
#35
 Dibromofluoromethane
 Concen: 46.67 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050103.D
 Acq: 27 Jul 2018 00:45

Tgt Ion:113 Resp: 422043
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.7 121.1
 192 22.3 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

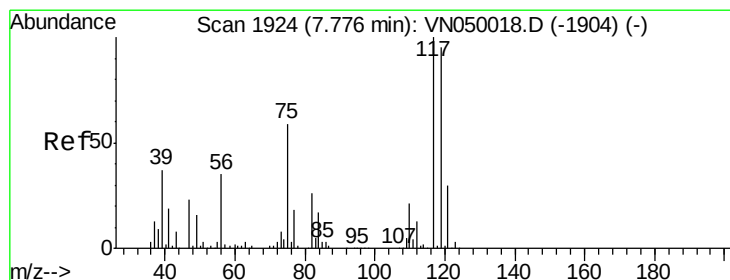
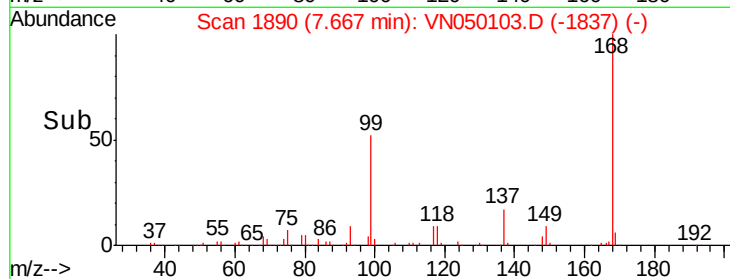
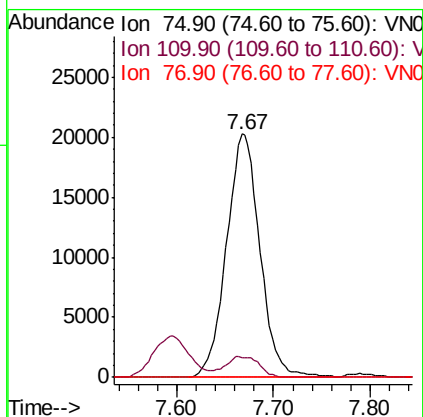
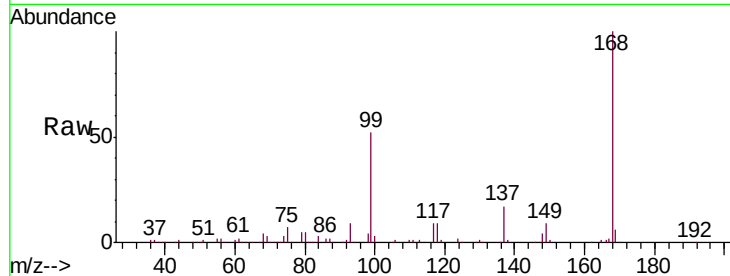




#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050103.D
 Acq: 27 Jul 2018 00:45

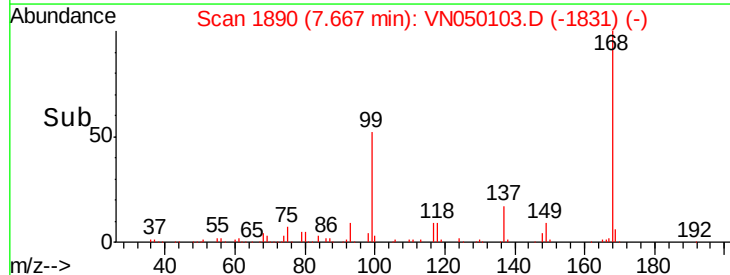
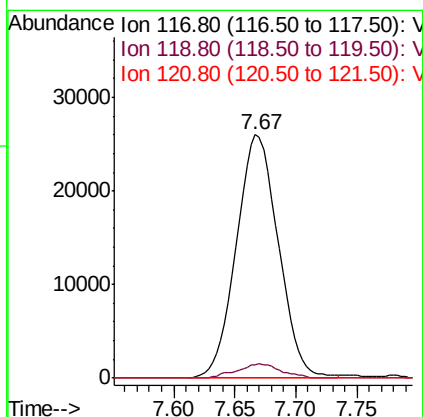
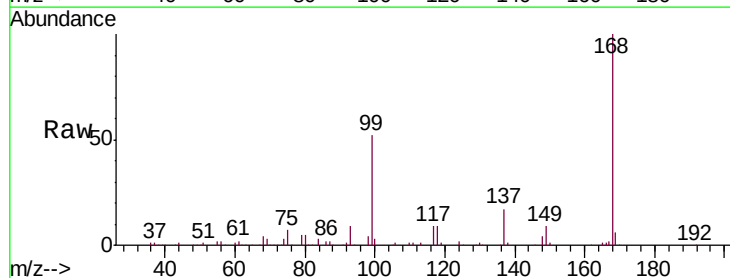
Instrument :
 MSVOA_N
 ClientSampled :
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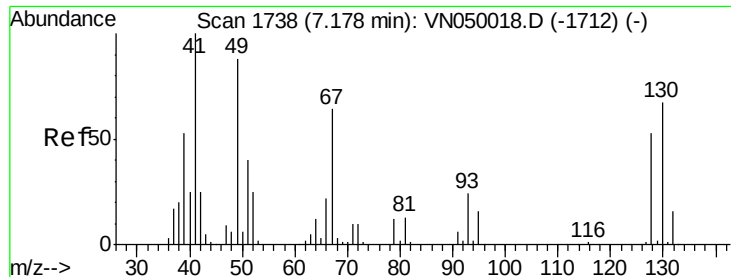
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.69 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050103.D
 Acq: 27 Jul 2018 00:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.4	116.0#
121	0.0	23.9	35.9#

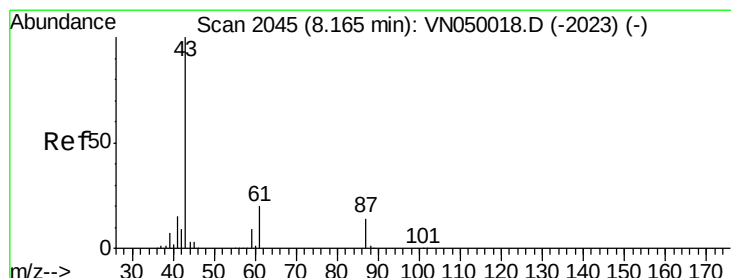
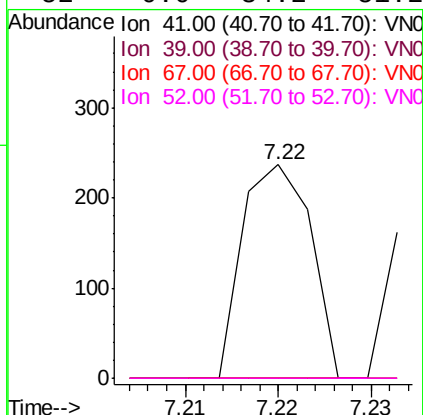
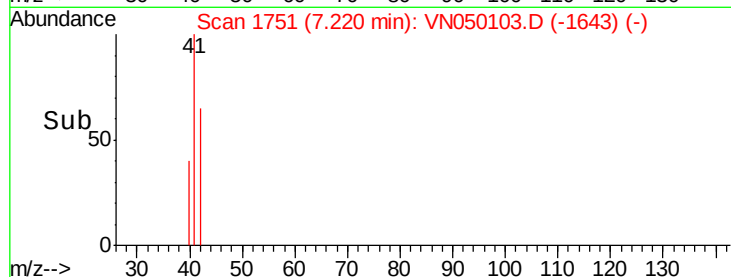
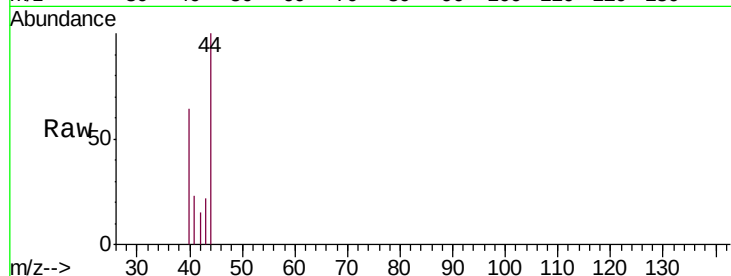




#41
Methacrylonitrile
Concen: 2.77 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.05 min
Lab File: VN050103.D
Acq: 27 Jul 2018 00:45

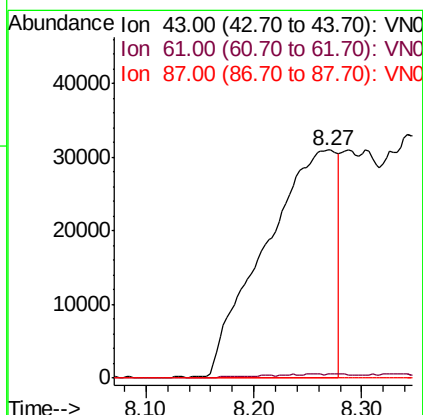
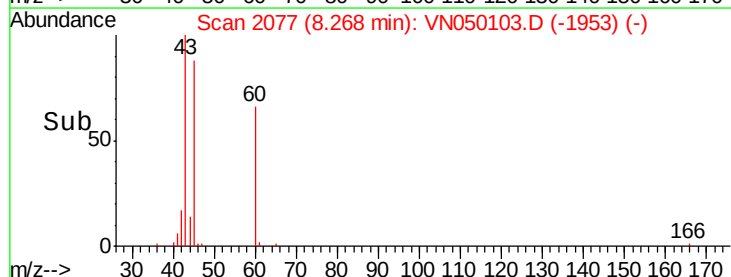
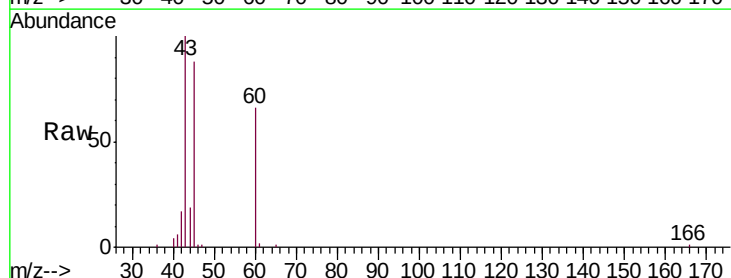
Instrument :
MSVOA_N
ClientSampled :
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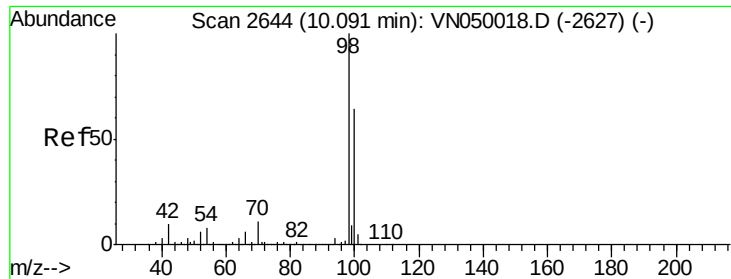
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	84.3	126.5#
52	0.0	34.2	51.2#



#43
Isopropyl Acetate
Concen: 7.75 ug/l
RT: 8.27 min Scan# 2077
Delta R.T. 0.10 min
Lab File: VN050103.D
Acq: 27 Jul 2018 00:45

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.8	23.6#
87	0.0	10.3	15.5#





#50

Toluene-d8

Concen: 45.16 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

Instrument :

MSVOA_N

ClientSampled :

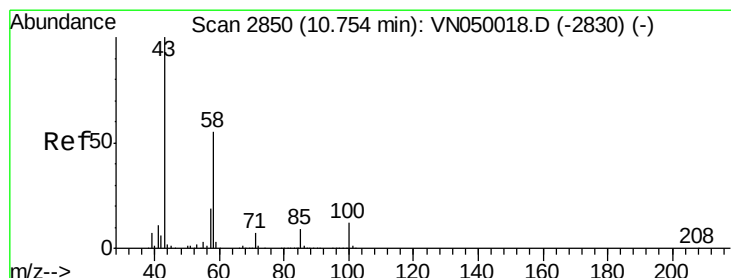
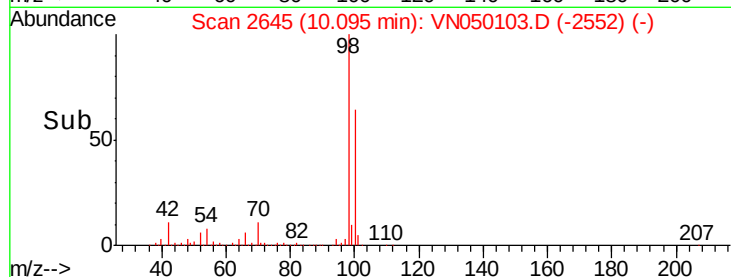
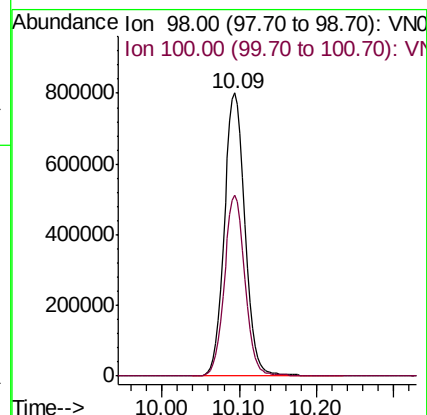
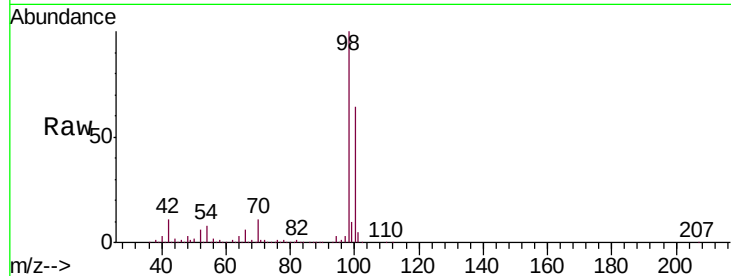
TRIP-BLANK

Tot Ion: 98 Resp: 1501156

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



#59

2-Hexanone

Concen: 5.33 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN050103.D

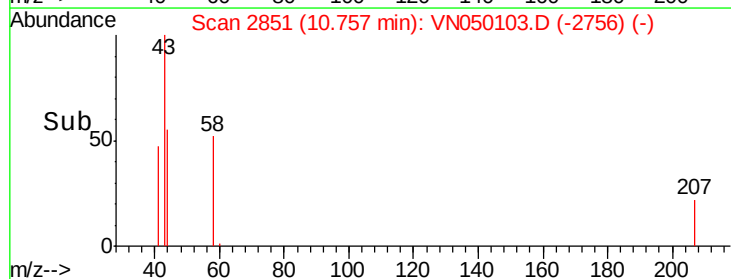
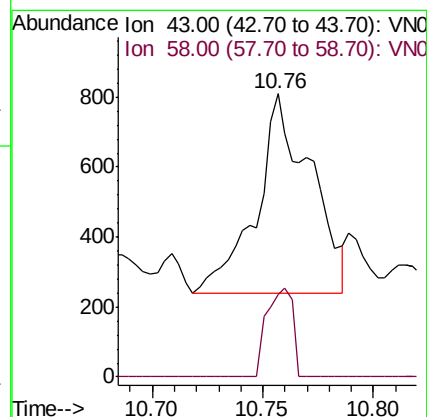
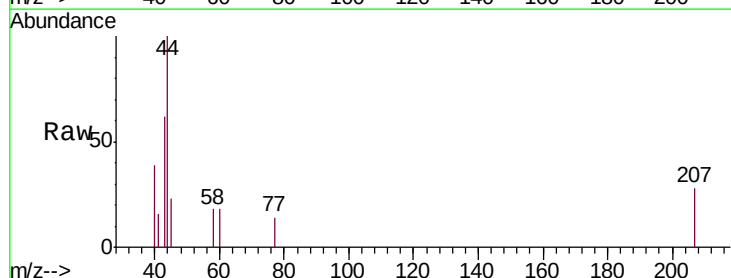
Acq: 27 Jul 2018 00:45

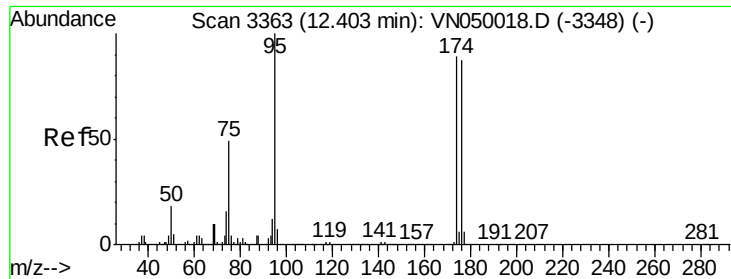
Tgt Ion: 43 Resp: 982

Ion Ratio Lower Upper

43 100

58 21.4 27.6 82.7#





#62

4-Bromofluorobenzene

Concen: 38.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

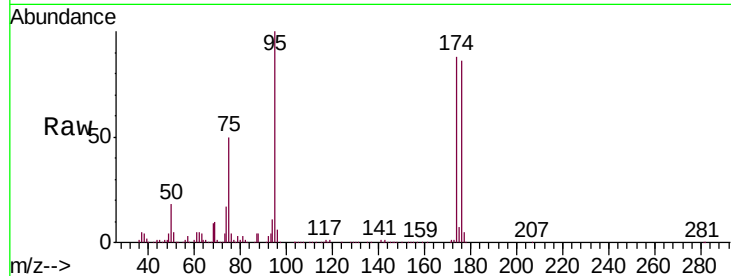
Tot Ion: 95 Resp: 421887

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.2

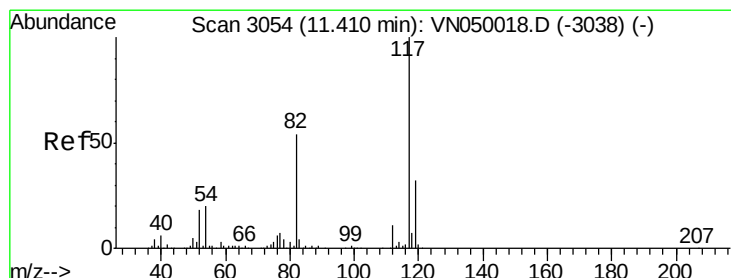
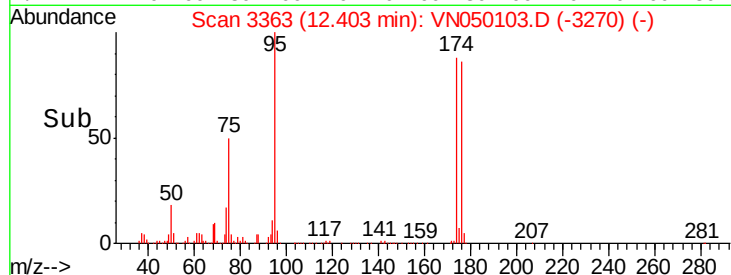
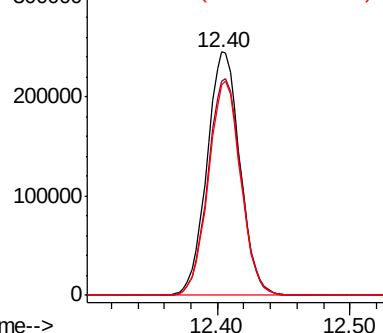
176 86.2 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050103.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN050103.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN050103.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

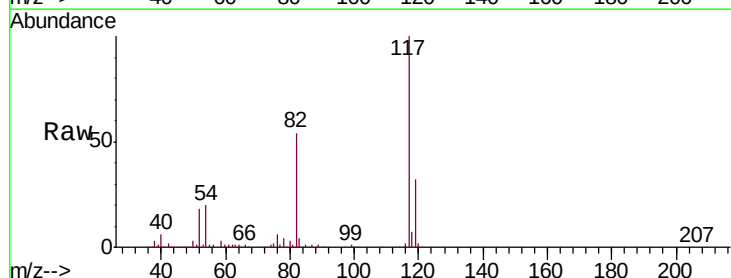
Tgt Ion: 117 Resp: 922279

Ion Ratio Lower Upper

117 100

82 53.7 43.7 65.5

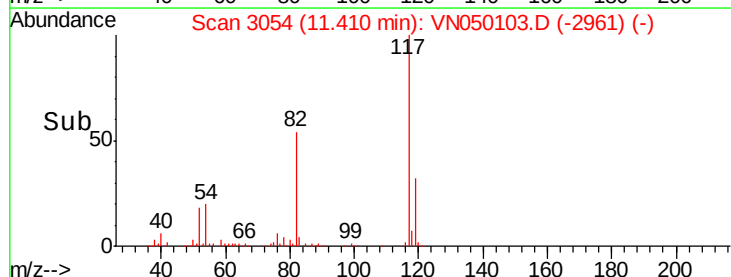
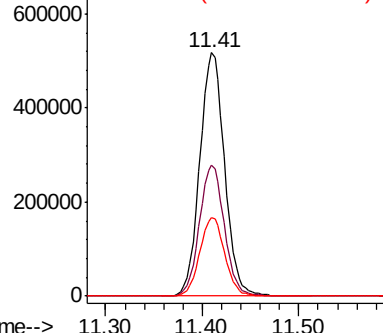
119 32.0 26.1 39.1

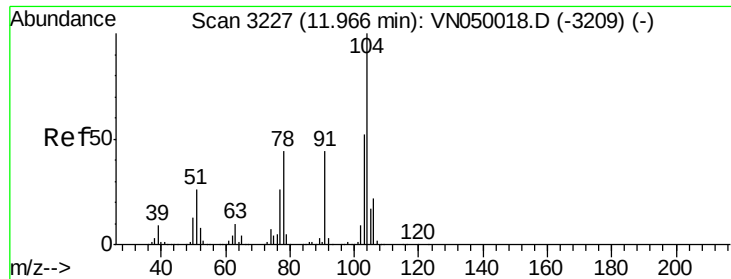


Abundance Ion 116.90 (116.60 to 117.60): VN050103.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN050103.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN050103.D (-2961) (-)





#70

Stvrene

Concen: 0.94 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

Instrument :

MSVOA_N

ClientSampled :

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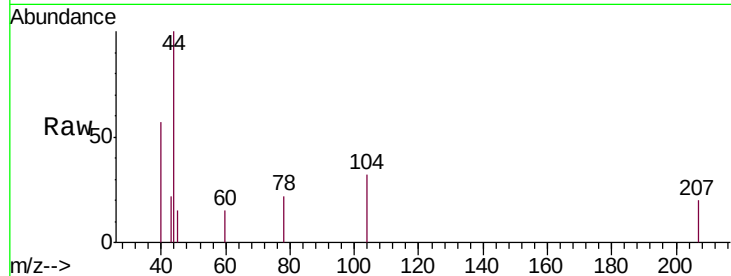
Tot Ion:104 Resp: 451

Ion Ratio Lower Upper

104 100

78 32.4 39.3 58.9#

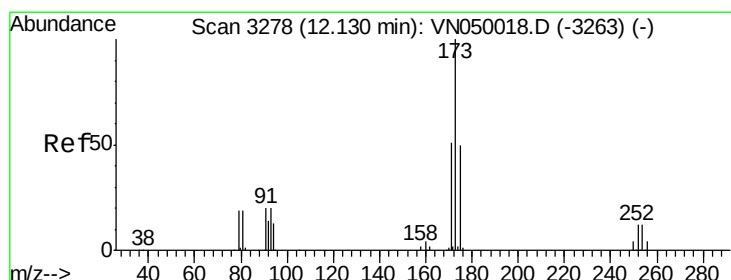
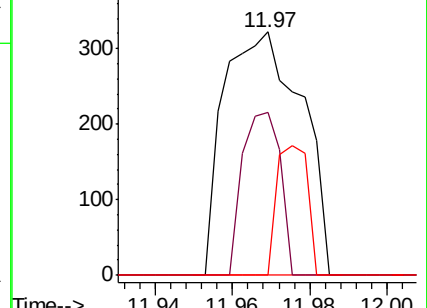
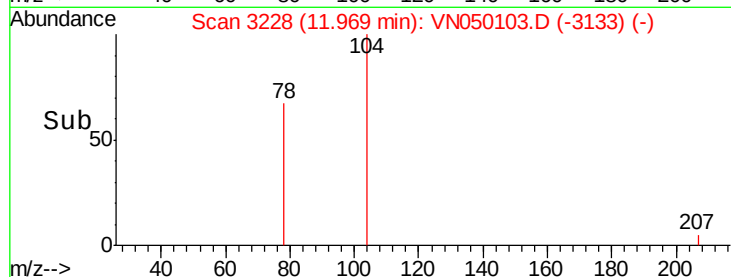
103 21.1 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

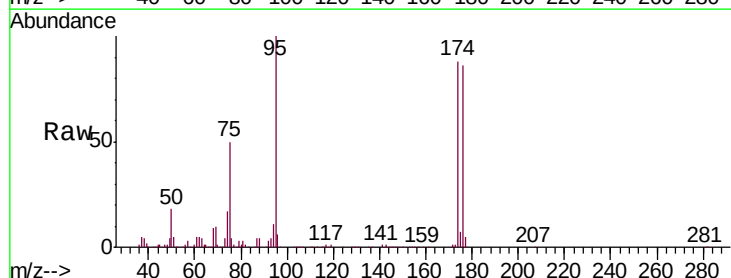
Tgt Ion:173 Resp: 3936

Ion Ratio Lower Upper

173 100

175 620.5 24.1 72.2#

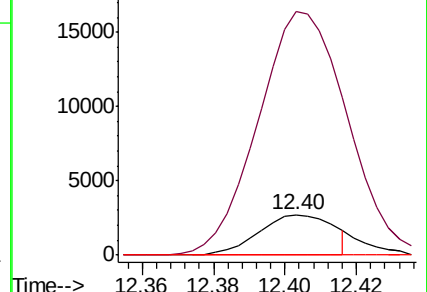
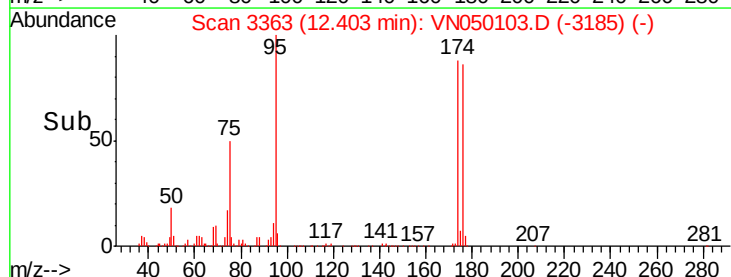
254 0.0 0.2 0.2#

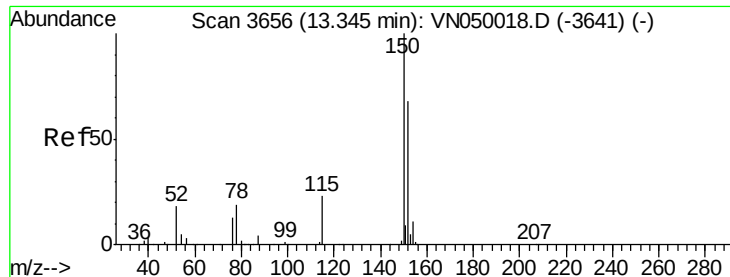


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3657

Delta R.T. 0.00 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

Instrument :

MSVOA_N

ClientSampleId :

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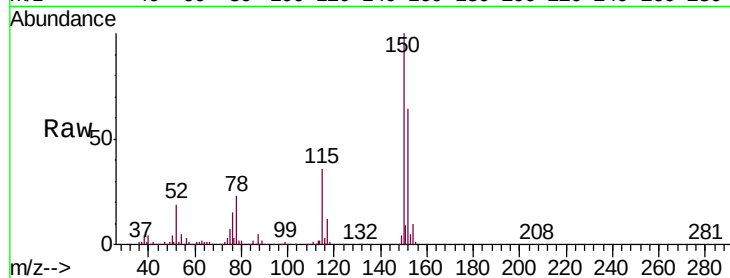
Tot Ion:152 Resp: 337122

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

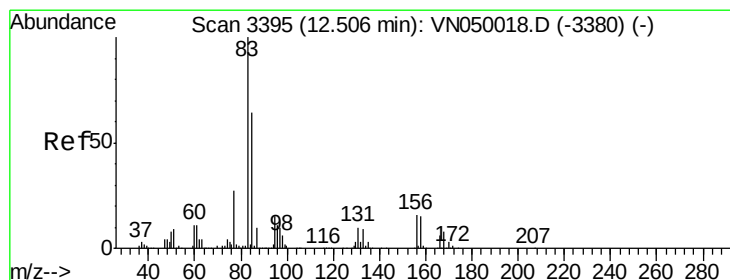
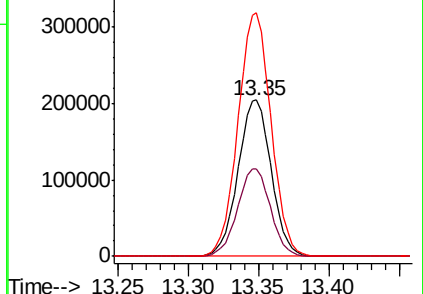
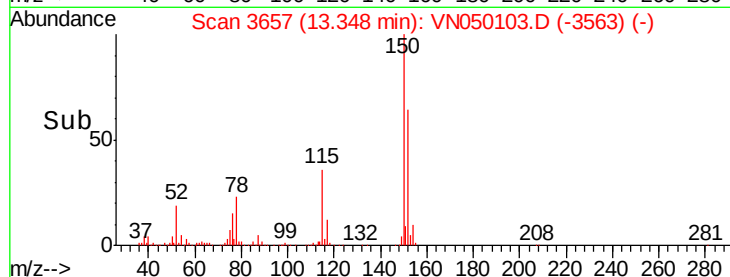
150 155.5 0.0 348.6



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# 3364

Delta R.T. -0.10 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

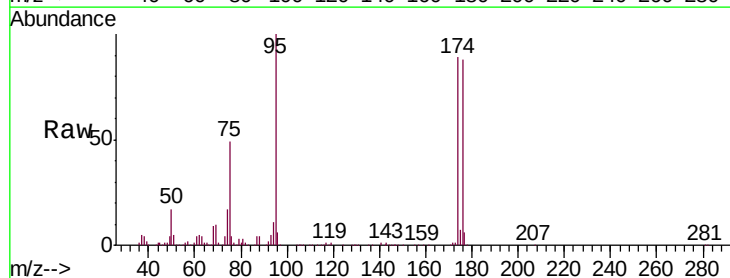
Tgt Ion: 83 Resp: 232

Ion Ratio Lower Upper

83 100

131 231.9 5.1 15.3#

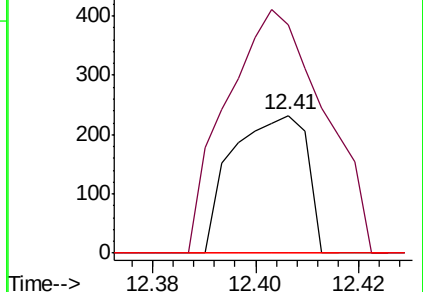
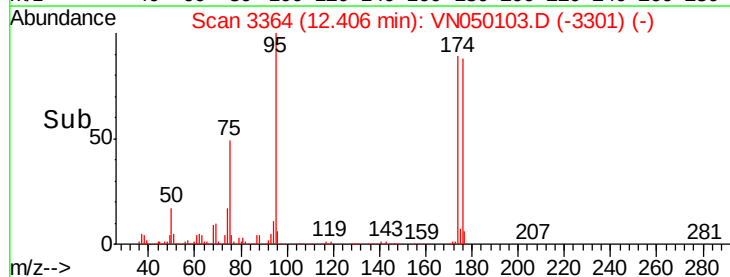
85 0.0 32.3 96.8#

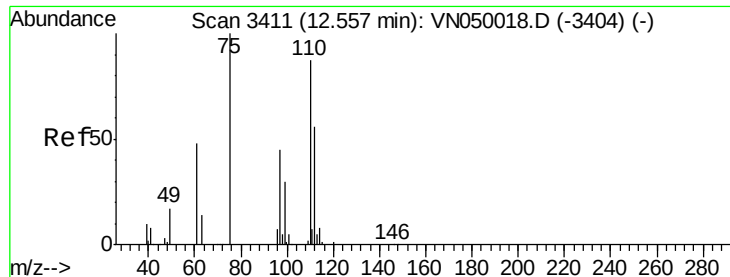


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 33.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

Instrument :

MSVOA_N

ClientSampled :

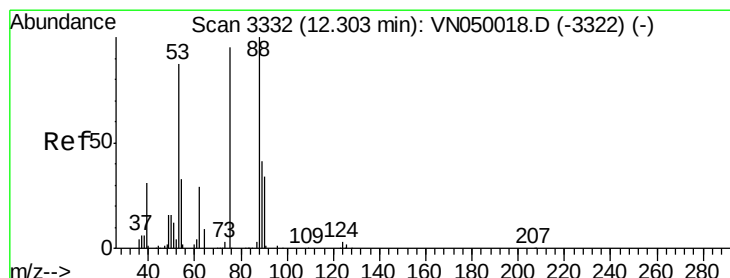
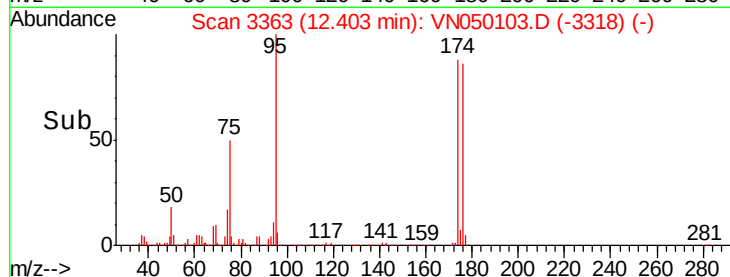
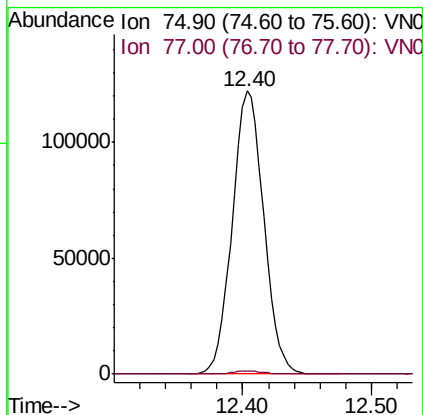
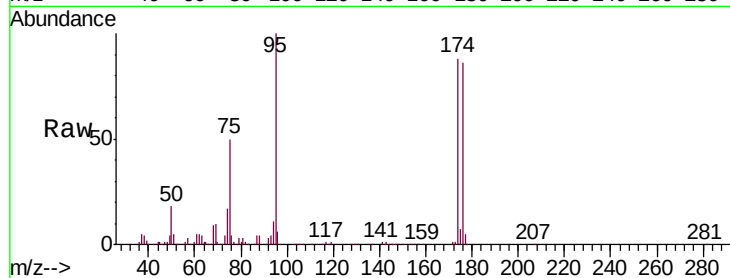
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Tot Ion: 75 Resp: 206997

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.80 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050103.D

Acq: 27 Jul 2018 00:45

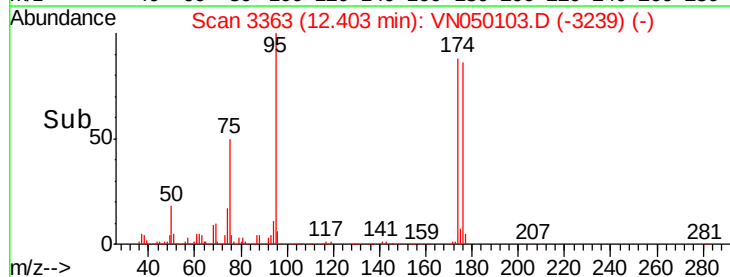
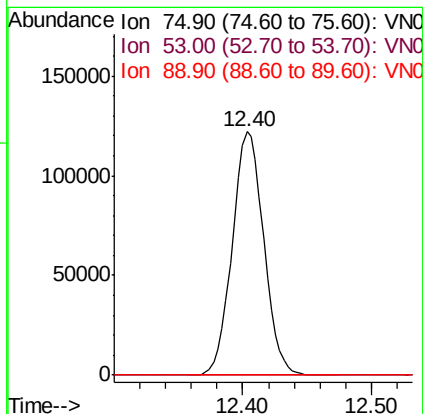
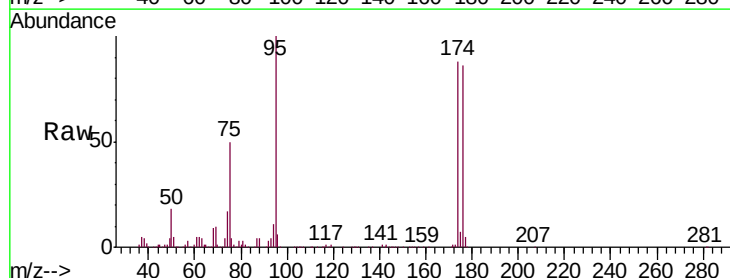
Tgt Ion: 75 Resp: 206997

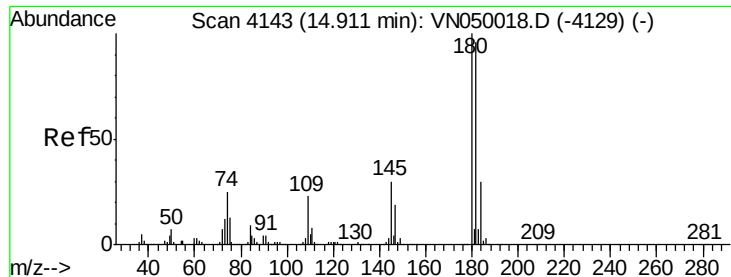
Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 36.0 54.0#

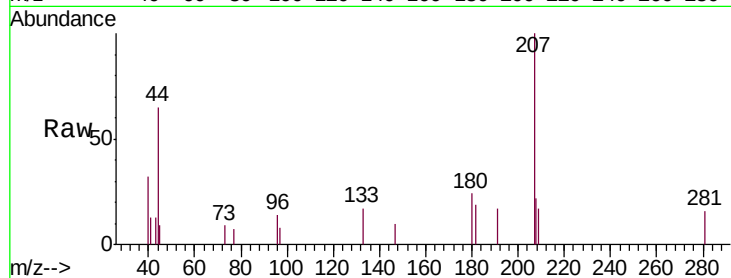




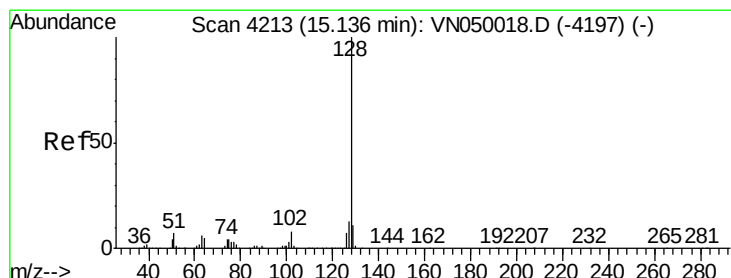
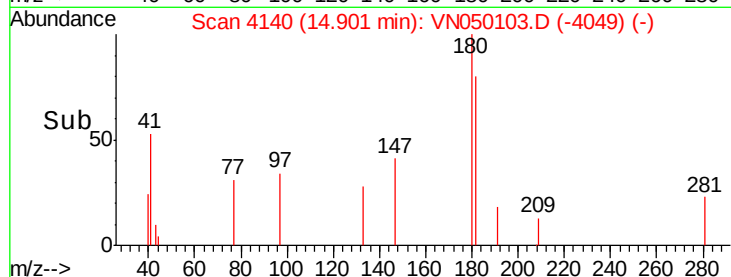
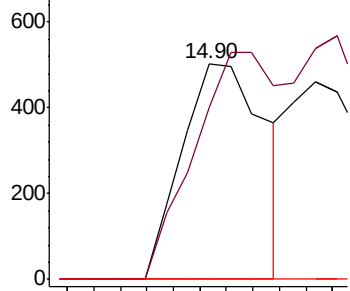
#93
 1,2,4-Trichlorobenzene
 Concen: 3.15 ug/l
 RT: 14.90 min Scan# 4140
 Delta R.T. -0.01 min
 Lab File: VN050103.D
 Acq: 27 Jul 2018 00:45

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:180 Resp: 438
 Ion Ratio Lower Upper
 180 100
 182 101.8 46.7 140.1
 145 0.0 13.8 41.4#

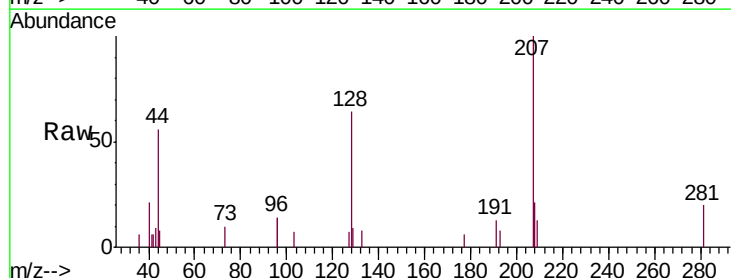


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

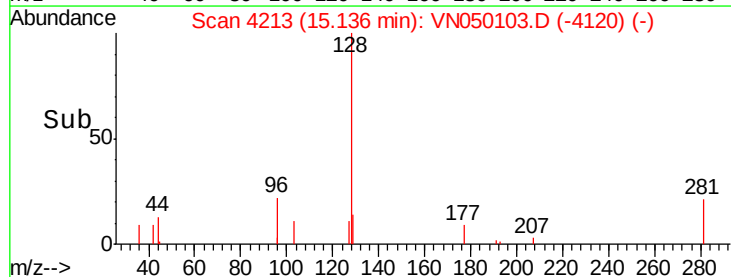
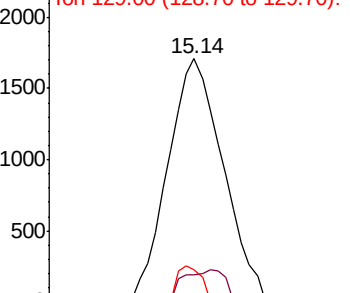


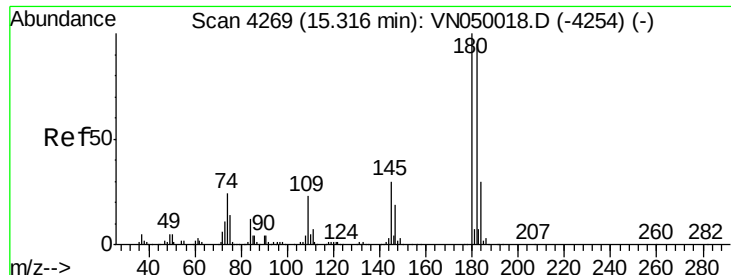
#95
 Naphthalene
 Concen: 4.57 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050103.D
 Acq: 27 Jul 2018 00:45

Tgt Ion:128 Resp: 2682
 Ion Ratio Lower Upper
 128 100
 127 9.8 10.4 15.6#
 129 6.3 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

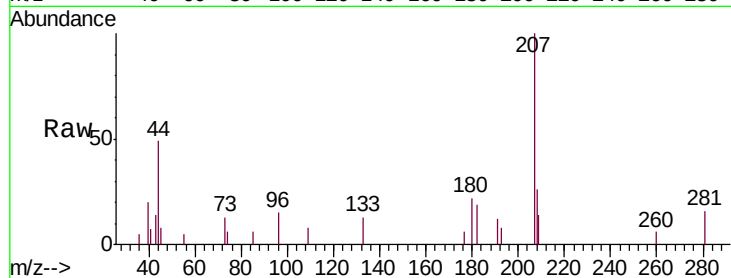




#96
 1,2,3-Trichlorobenzene
 Concen: 2.34 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN050103.D
 Acq: 27 Jul 2018 00:45

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
180	100		
182	82.0	48.1	144.4
145	7.9	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

