

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050107.D
 Acq On : 27 Jul 2018 2:25
 Operator : MD\SY
 Sample : J4163-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

Quant Time: Jul 27 04:04:58 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	685987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1115051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	337123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	481965	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	419596	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
50) Toluene-d8	10.09	98	1509765	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
62) 4-Bromofluorobenzene	12.40	95	424257	38.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.00%	

Target Compounds

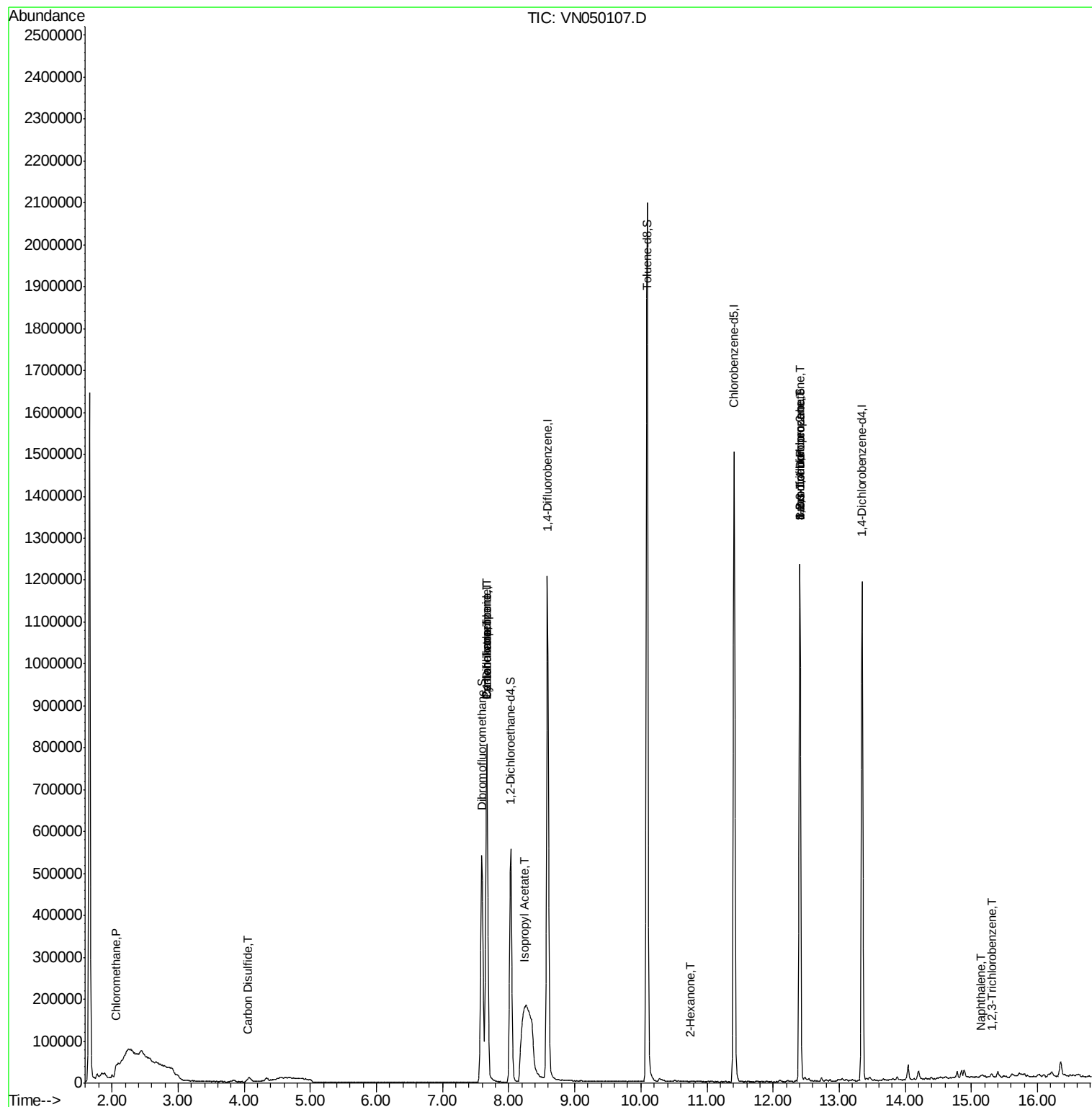
						Qvalue
3) Chloromethane	2.05	50	2205	0.21	ug/l	# 74
5) Bromomethane	2.53	94	68	Below	Cal	# 3
16) Acetone	3.83	43	6683	Below	Cal	95
17) Carbon Disulfide	4.05	76	10280	0.42	ug/l	99
18) Methyl Acetate	4.33	43	11981	Below	Cal	95
20) Methylene Chloride	4.55	84	1071	Below	Cal	# 77
31) Cyclohexane	7.67	56	12647	0.89	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	48780	3.88	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	62101	4.66	ug/l	# 16
43) Isopropyl Acetate	8.24	43	232394	13.24	ug/l	# 61
59) 2-Hexanone	10.74	43	141	5.20	ug/l	# 24
71) Bromoform	12.40	173	2777	0.42	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.47	83	217	Below	Cal	# 25
76) 1,2,3-Trichloropropane	12.40	75	209461	33.43	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	209461	106.04	ug/l	# 13
95) Naphthalene	15.14	128	3025	4.59	ug/l	# 81
96) 1,2,3-Trichlorobenzene	15.32	180	61	2.21	ug/l	# 1

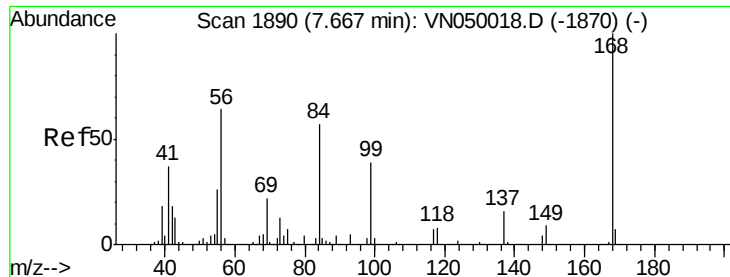
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072618\
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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: VN050107.D

Acq: 27 Jul 2018 2:25

Instrument :

MSVOA_N

ClientSampled :

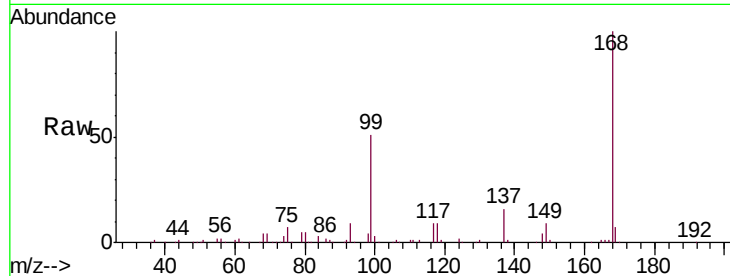
MW-16

Tot Ion:168 Resp: 685987

Ion Ratio Lower Upper

168 100

99 50.9 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

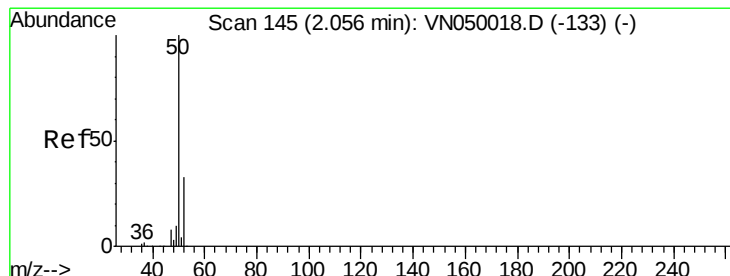
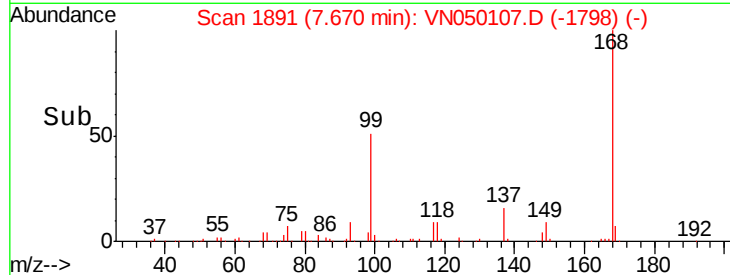
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN050107.D

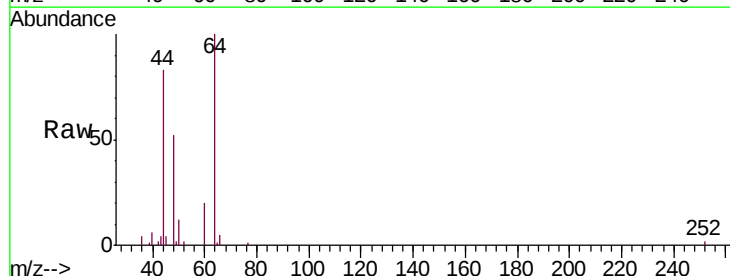
Acq: 27 Jul 2018 2:25

Tgt Ion: 50 Resp: 2205

Ion Ratio Lower Upper

50 100

52 18.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.05

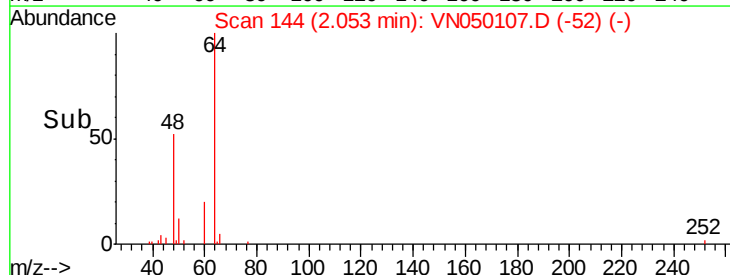
1500

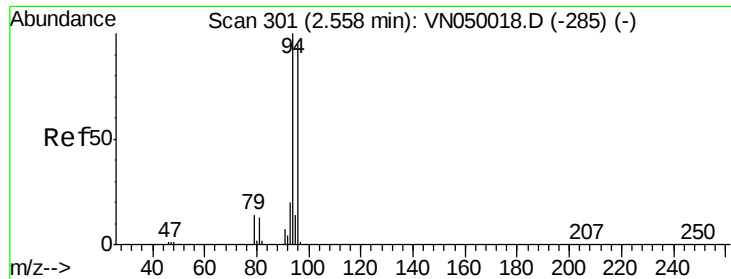
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 293

Delta R.T. -0.02 min

Lab File: VN050107.D

Acq: 27 Jul 2018 2:25

Instrument :

MSVOA_N

ClientSampled :

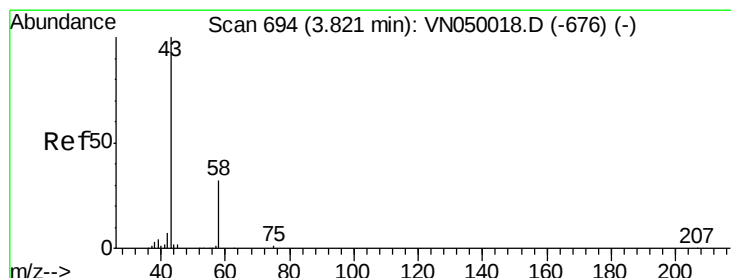
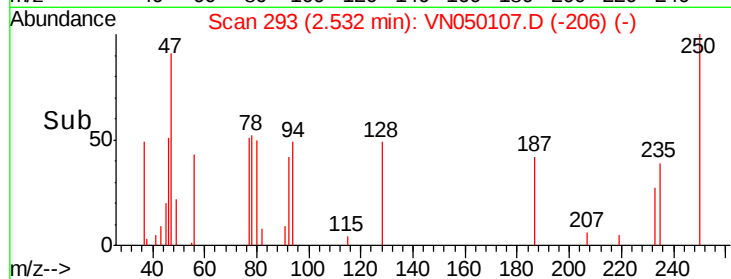
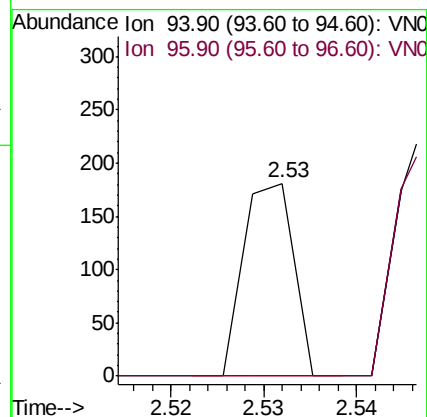
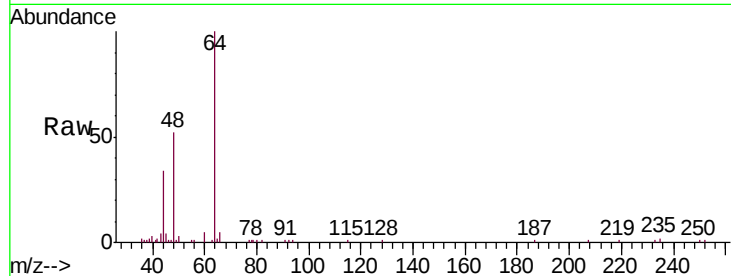
MW-16

Tot Ion: 94 Resp: 68

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050107.D

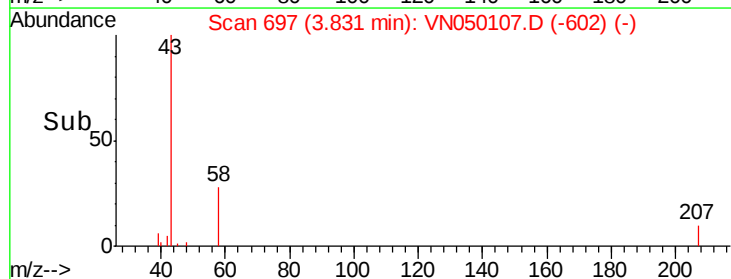
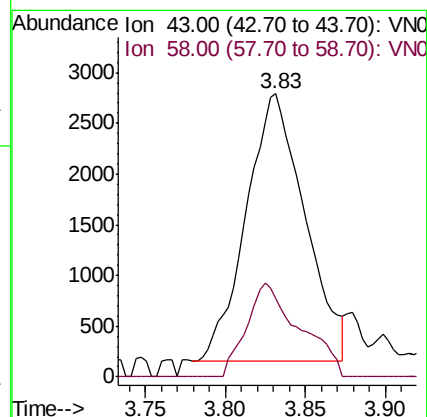
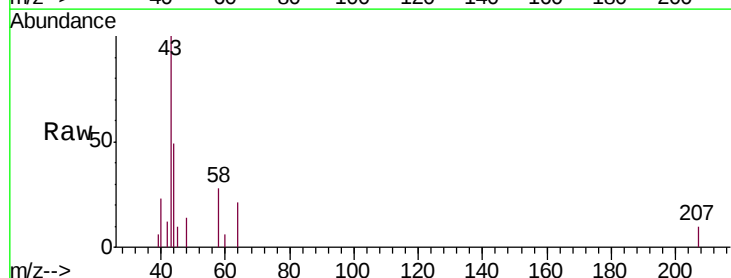
Acq: 27 Jul 2018 2:25

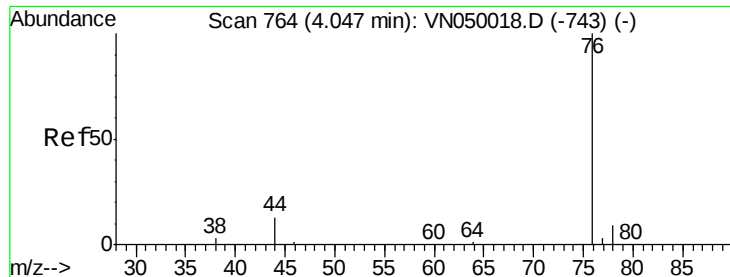
Tgt Ion: 43 Resp: 6683

Ion Ratio Lower Upper

43 100

58 29.4 25.8 38.8

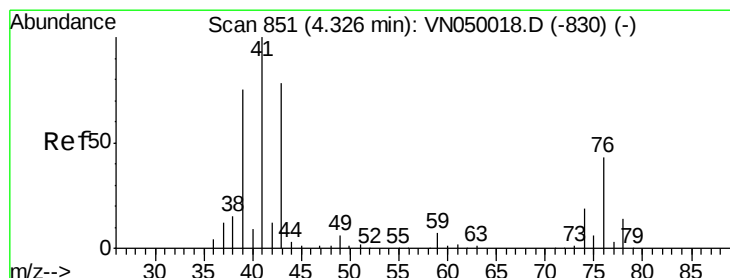
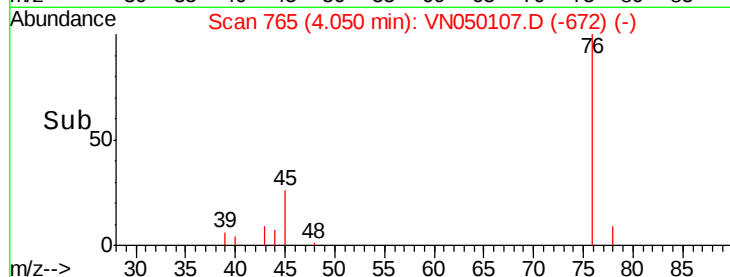
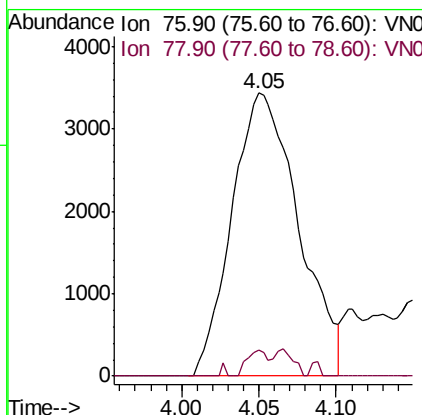
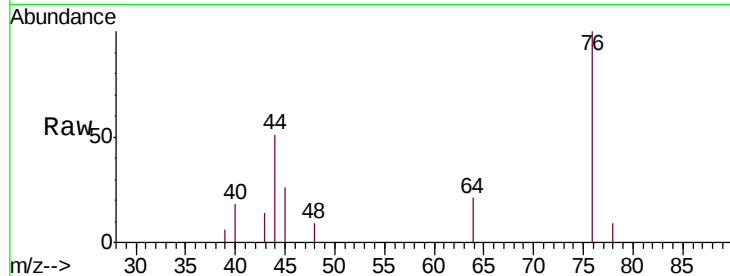




#17
Carbon Disulfide
Concen: 0.42 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050107.D
Acq: 27 Jul 2018 2:25

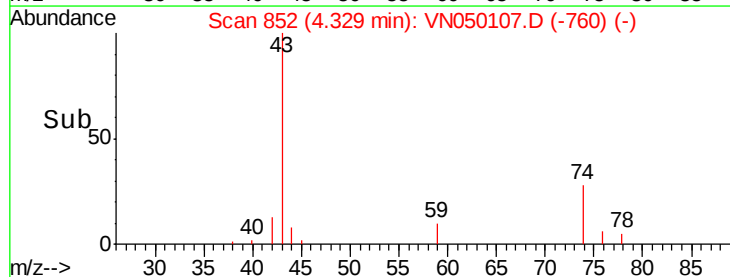
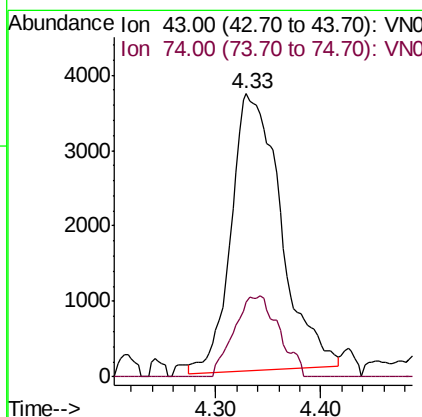
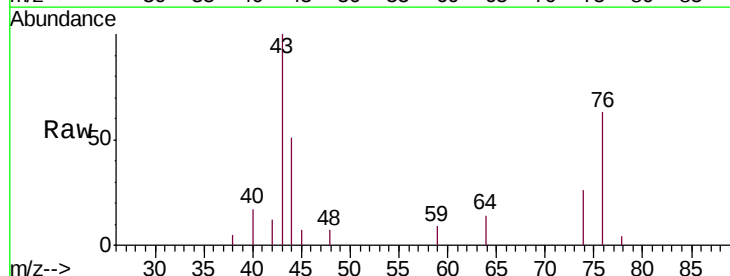
Instrument :
MSVOA_N
ClientSampleId :
MW-16

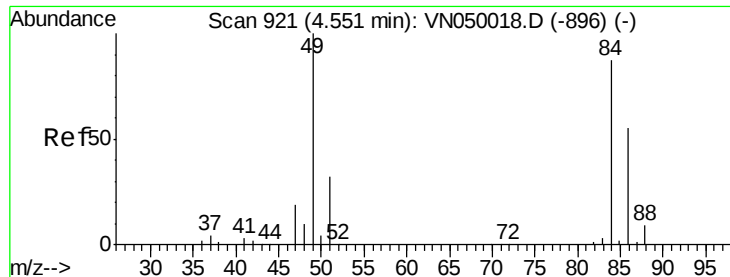
Tot Ion: 76 Resp: 10280
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050107.D
Acq: 27 Jul 2018 2:25

Tgt Ion: 43 Resp: 11981
Ion Ratio Lower Upper
43 100
74 26.4 19.2 28.8

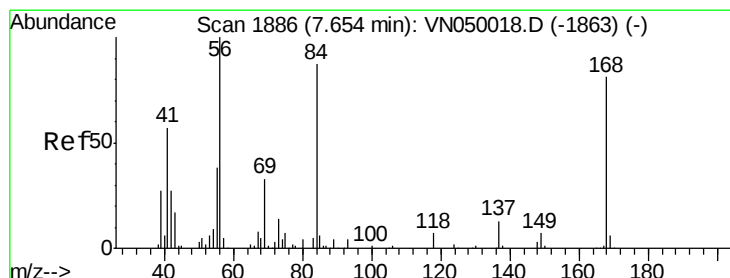
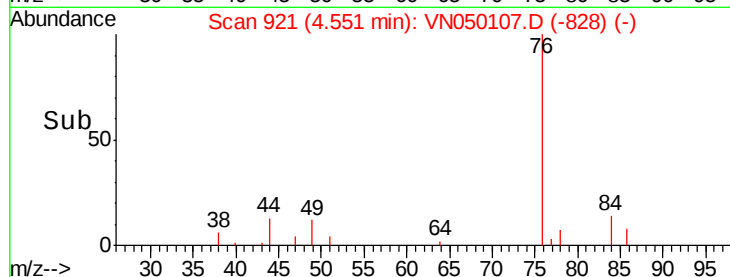
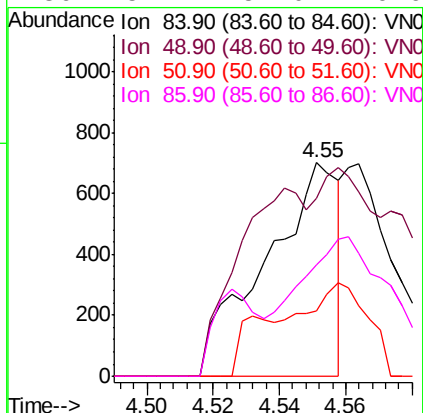
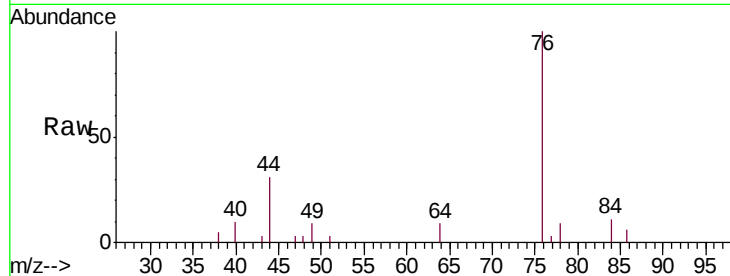




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050107.D
Acq: 27 Jul 2018 2:25

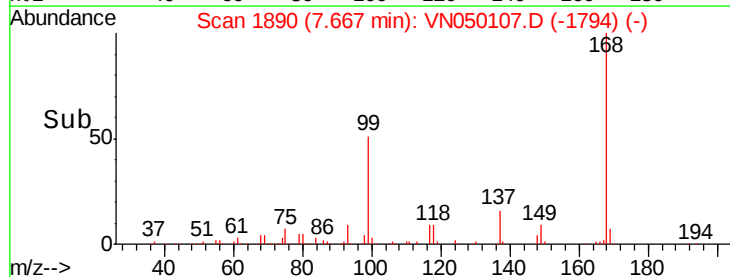
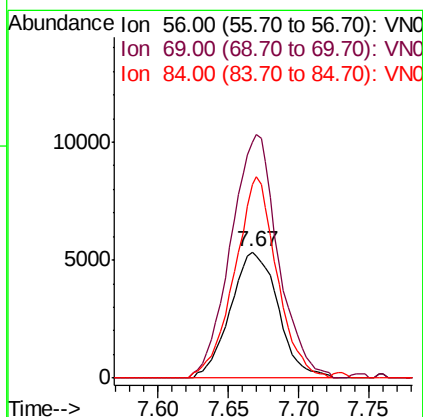
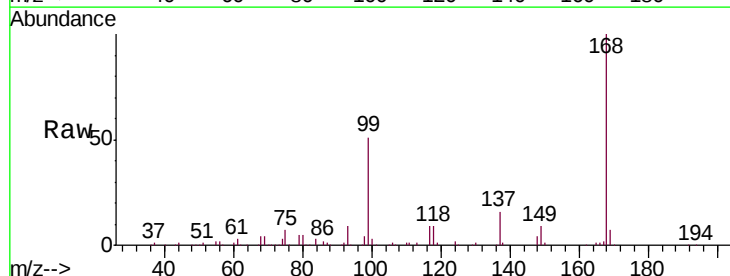
Instrument :
MSVOA_N
ClientSampled :
MW-16

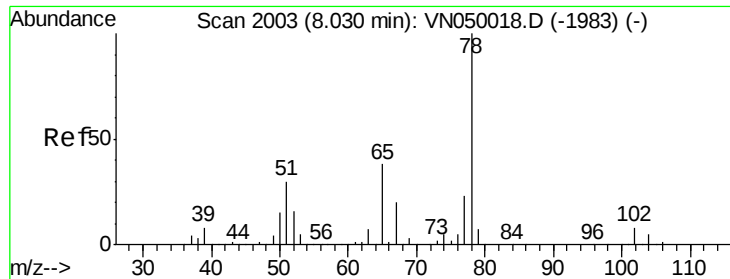
Tot Ion: 84 Resp: 1071
Ion Ratio Lower Upper
84 100
49 83.2 94.8 142.2#
51 30.4 28.3 42.5
86 52.4 51.0 76.6



#31
Cyclohexane
Concen: 0.89 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050107.D
Acq: 27 Jul 2018 2:25

Tgt Ion: 56 Resp: 12647
Ion Ratio Lower Upper
56 100
69 186.5 26.2 39.4#
84 153.7 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 50.36 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050107.D

Acq: 27 Jul 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

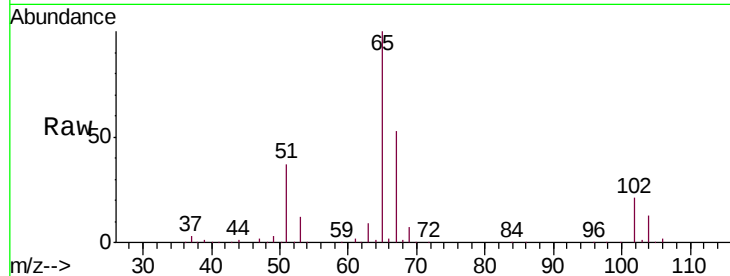
MW-16

Tot Ion: 65 Resp: 481965

Ion Ratio Lower Upper

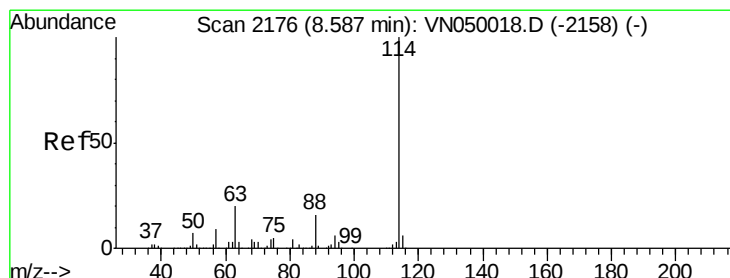
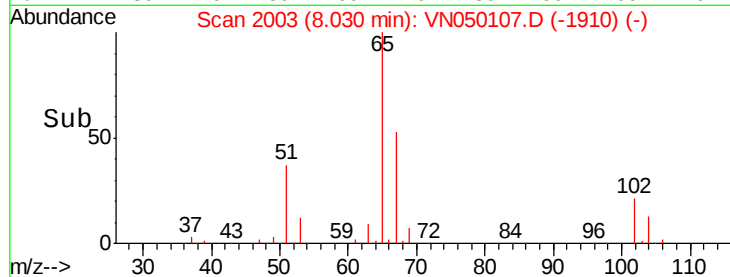
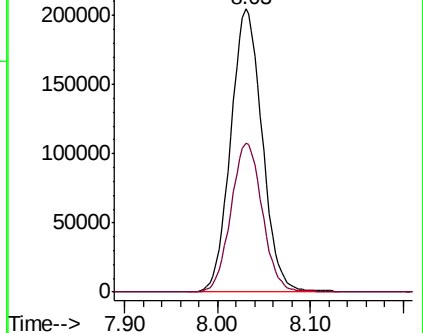
65 100

67 52.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050107.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN050107.D (-1910) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VN050107.D

Acq: 27 Jul 2018 2:25

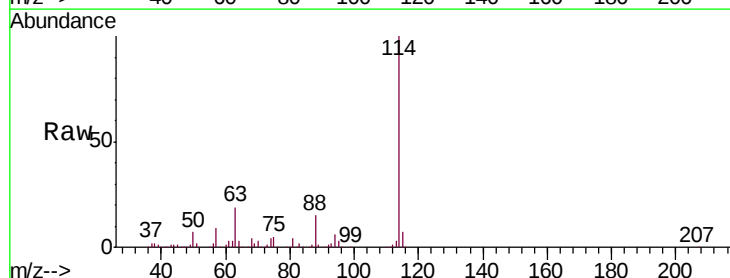
Tgt Ion: 114 Resp: 1115051

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

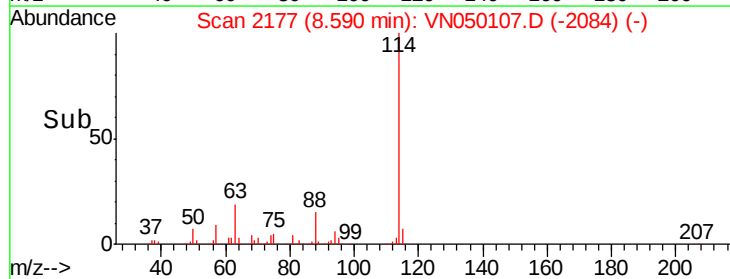
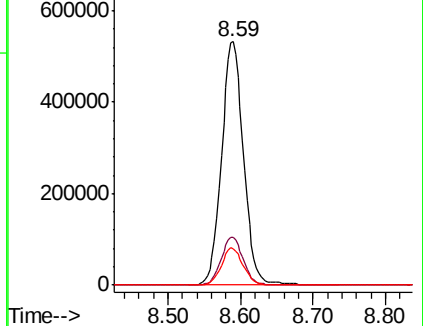
88 15.0 0.0 31.2

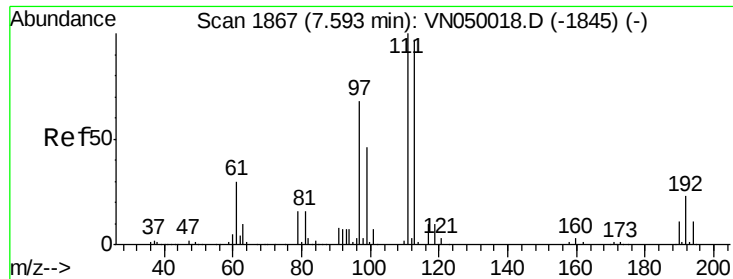


Abundance Ion 113.90 (113.60 to 114.60): VN050107.D (-2084) (-)

Ion 63.00 (62.70 to 63.70): VN050107.D (-2084) (-)

Ion 87.90 (87.60 to 88.60): VN050107.D (-2084) (-)

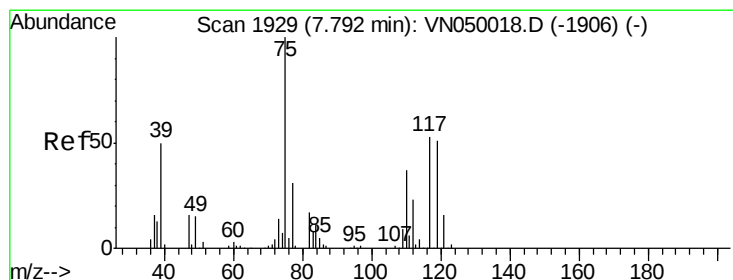
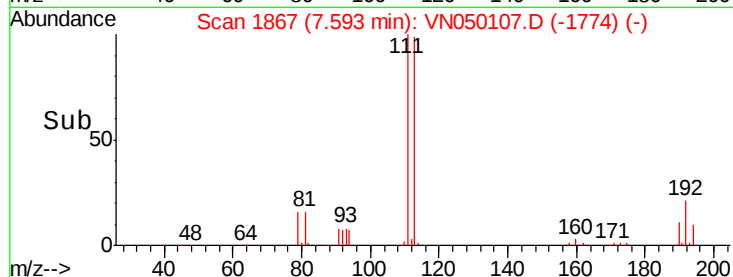
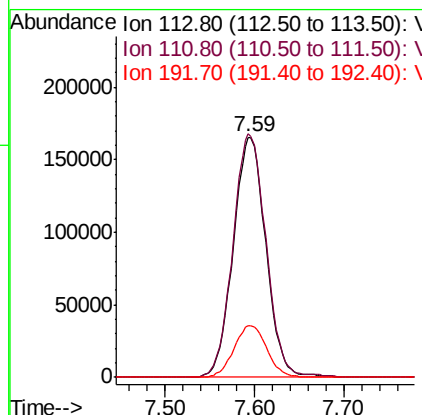
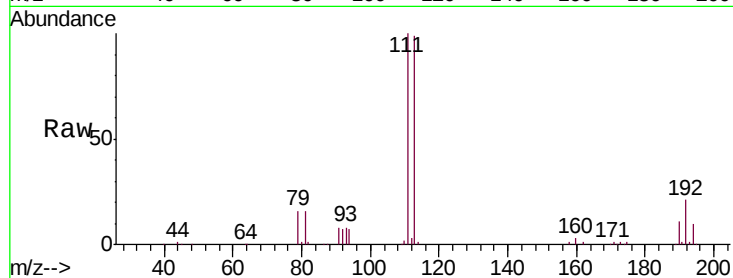




#35
 Dibromofluoromethane
 Concen: 46.09 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050107.D
 Acq: 27 Jul 2018 2:25

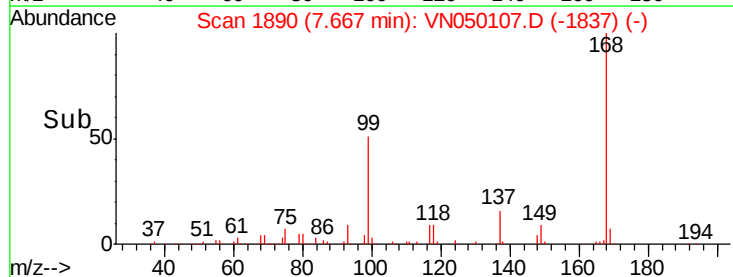
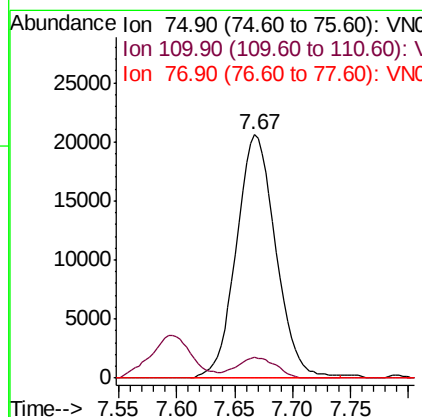
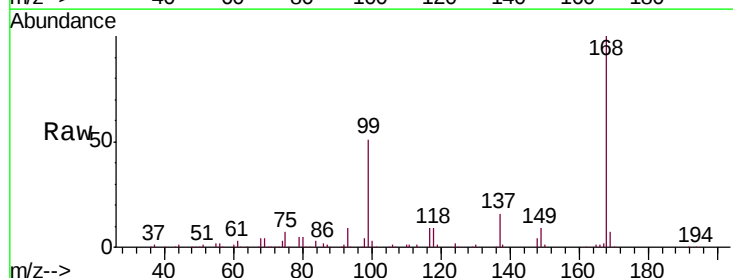
Instrument :
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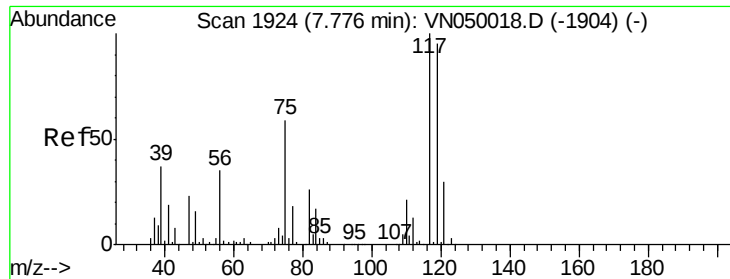
Tot Ion:113 Resp: 419596
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.7 121.1
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050107.D
 Acq: 27 Jul 2018 2:25

Tgt Ion: 75 Resp: 48780
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.66 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050107.D

Acq: 27 Jul 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

MW-16

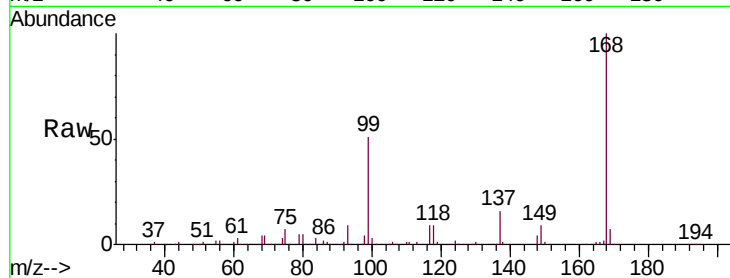
Tot Ion:117 Resp: 62101

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

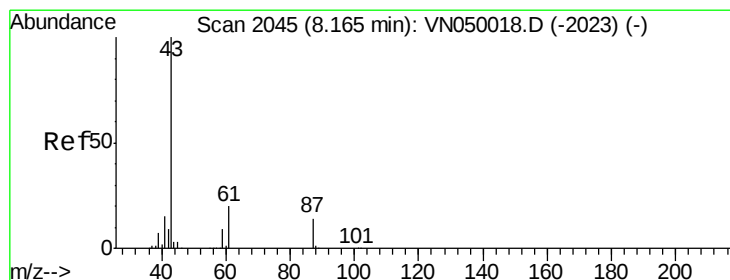
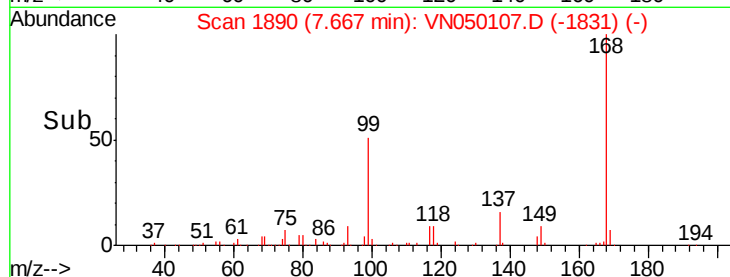
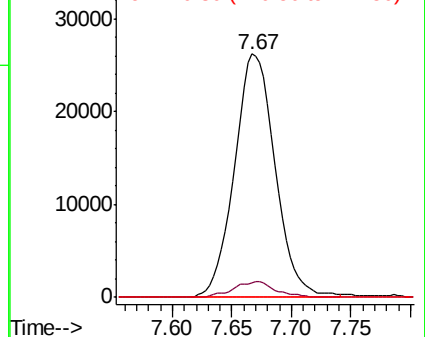
121 0.0 23.9 35.9#



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



#43

Isopropyl Acetate

Concen: 13.24 ug/l

RT: 8.24 min Scan# 2069

Delta R.T. 0.07 min

Lab File: VN050107.D

Acq: 27 Jul 2018 2:25

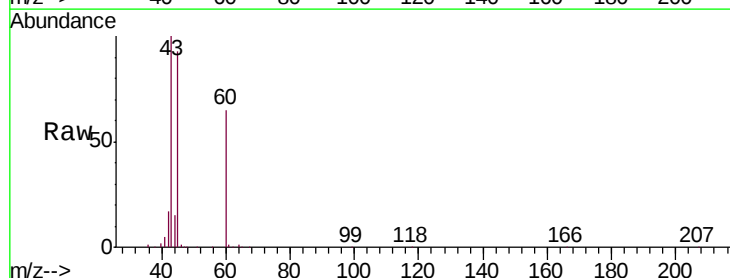
Tgt Ion: 43 Resp: 232394

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

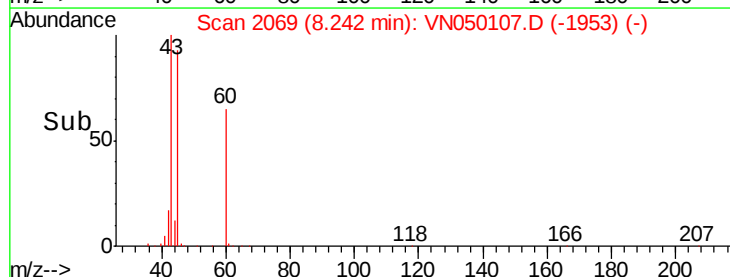
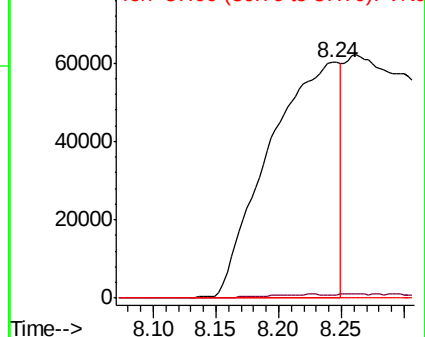
87 0.0 10.3 15.5#

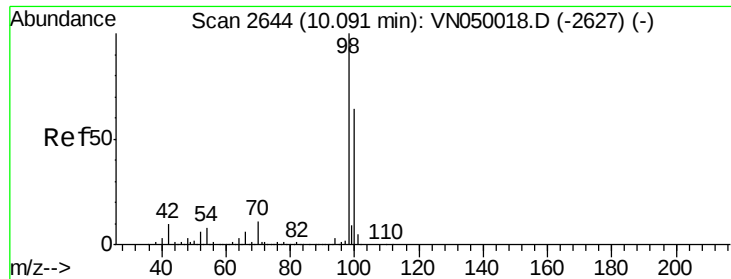


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 45.11 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050107.D

Acq: 27 Jul 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

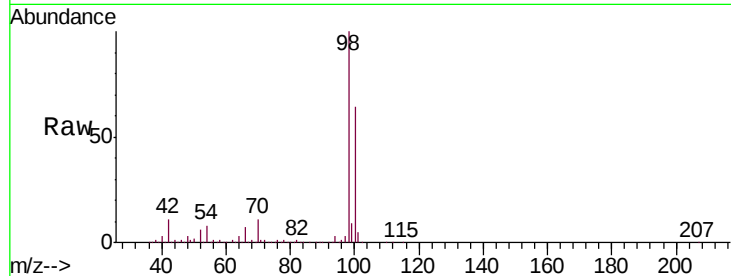
MW-16

Tot Ion: 98 Resp: 1509765

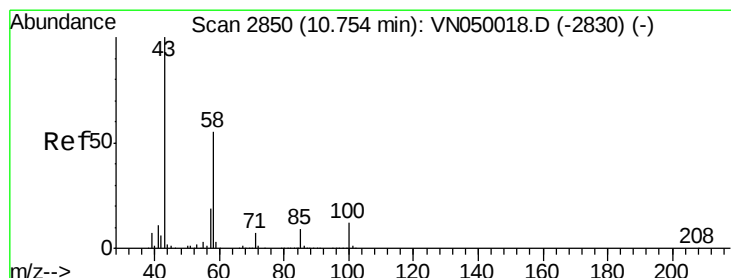
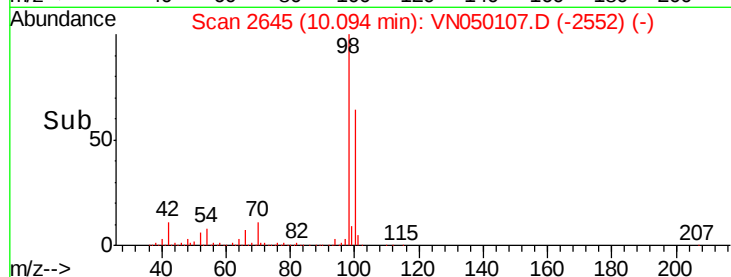
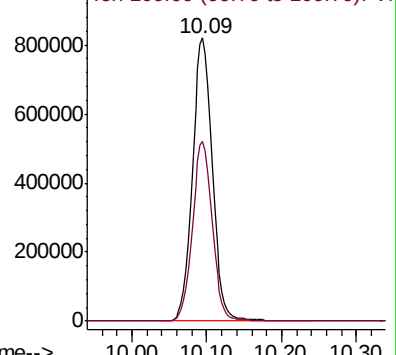
Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)



#59

2-Hexanone

Concen: 5.20 ug/l

RT: 10.74 min Scan# 2847

Delta R.T. -0.01 min

Lab File: VN050107.D

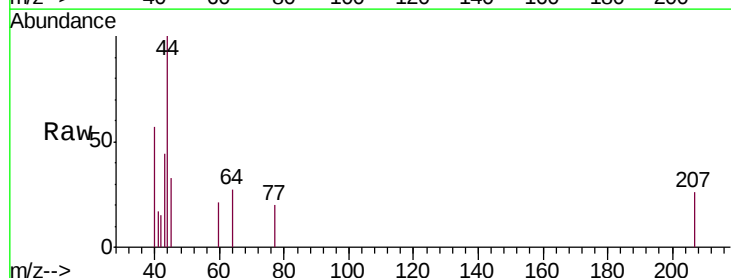
Acq: 27 Jul 2018 2:25

Tgt Ion: 43 Resp: 141

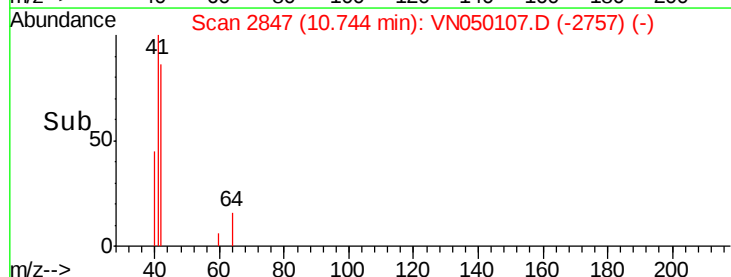
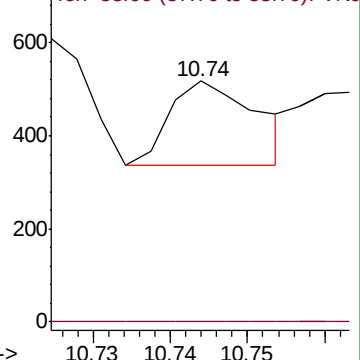
Ion Ratio Lower Upper

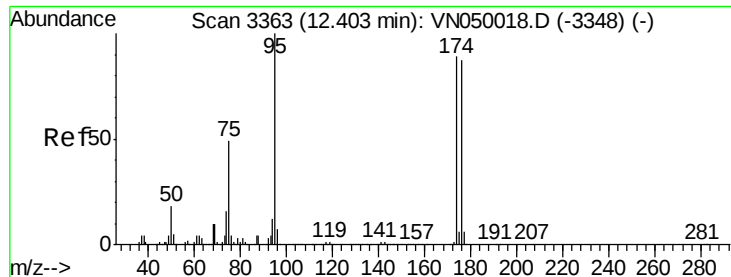
43 100

58 0.0 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2830) (-)

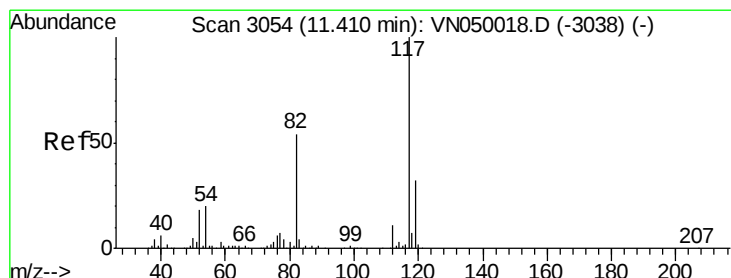
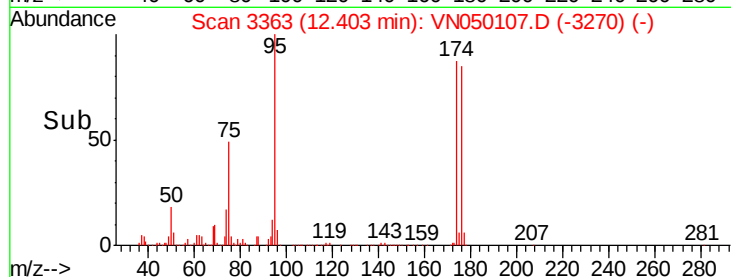
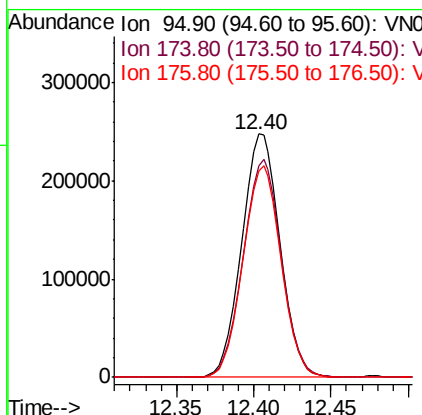
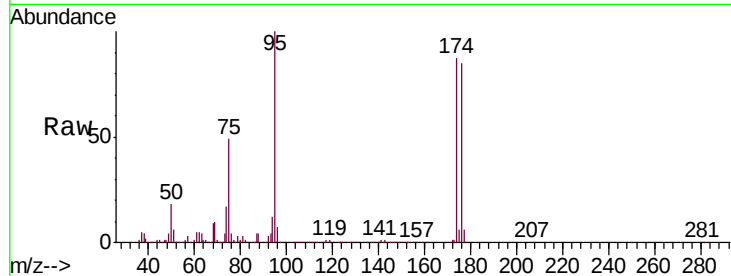




#62
4-Bromofluorobenzene
Concen: 38.50 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050107.D
Acq: 27 Jul 2018 2:25

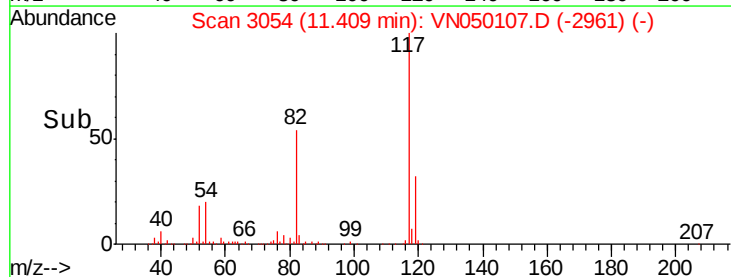
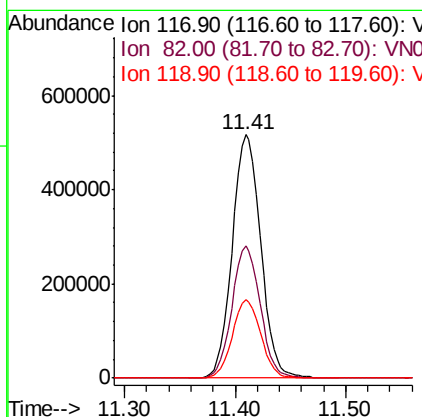
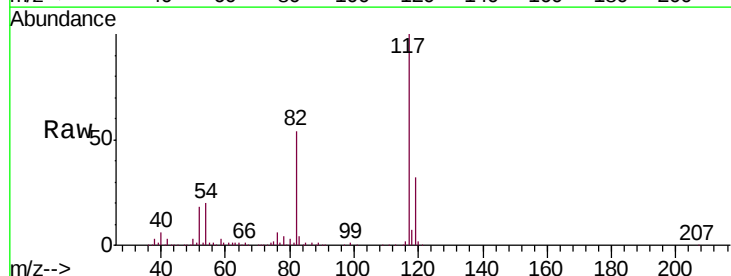
Instrument :
MSVOA_N
ClientSampleId :
MW-16

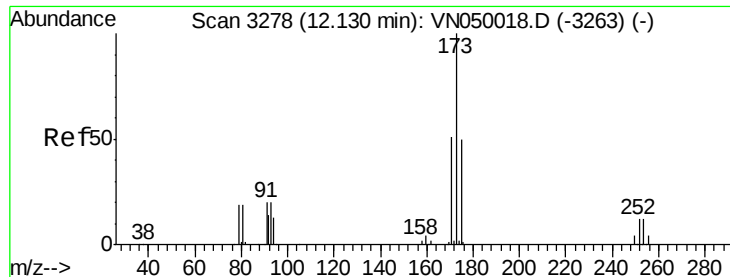
Tot Ion: 95 Resp: 424257
Ion Ratio Lower Upper
95 100
174 89.9 0.0 178.2
176 86.8 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050107.D
Acq: 27 Jul 2018 2:25

Tgt Ion: 117 Resp: 926462
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 32.1 26.1 39.1





#71

Bromoform

Concen: 0.42 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050107.D

Acq: 27 Jul 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

MW-16

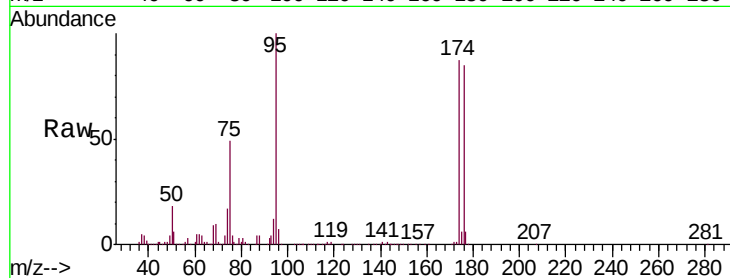
Tot Ion:173 Resp: 2777

Ion Ratio Lower Upper

173 100

175 850.2 24.1 72.2#

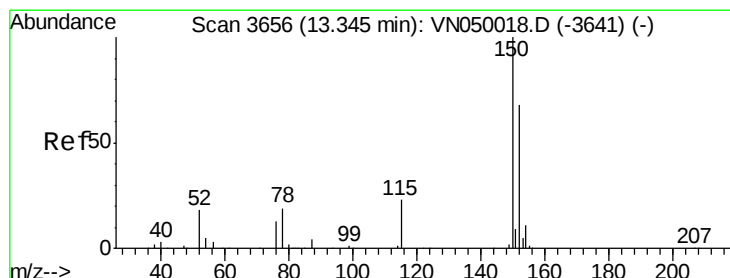
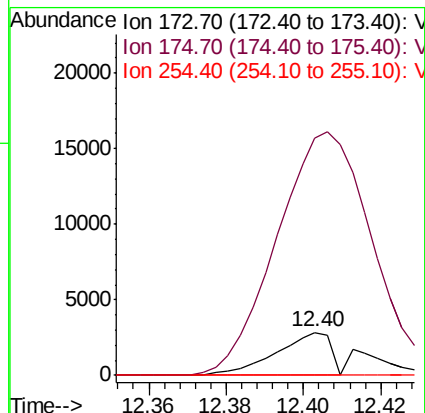
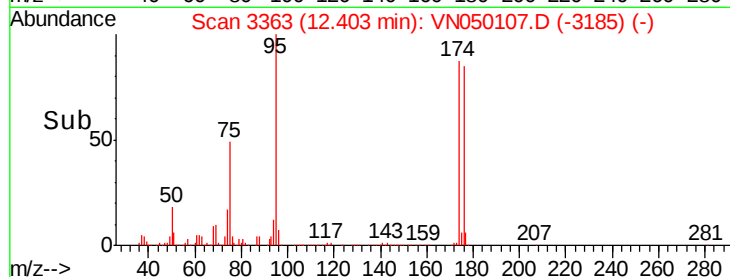
254 0.0 0.2 0.2#



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: VN050107.D

Acq: 27 Jul 2018 2:25

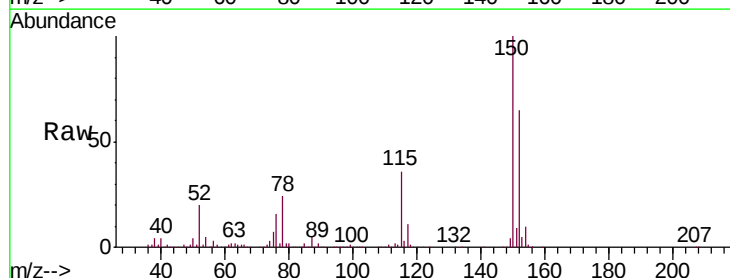
Tgt Ion:152 Resp: 337123

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.3

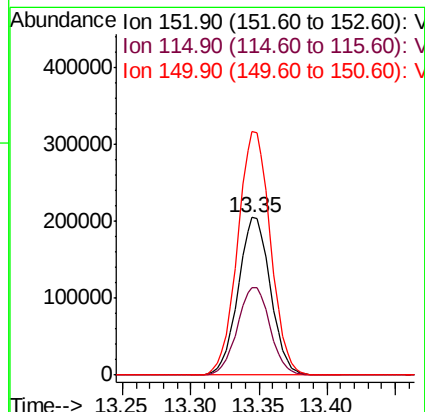
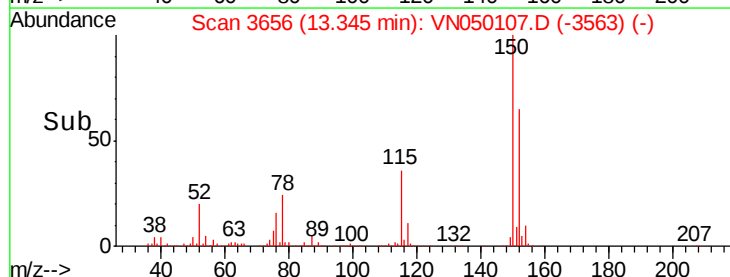
150 156.9 0.0 348.6

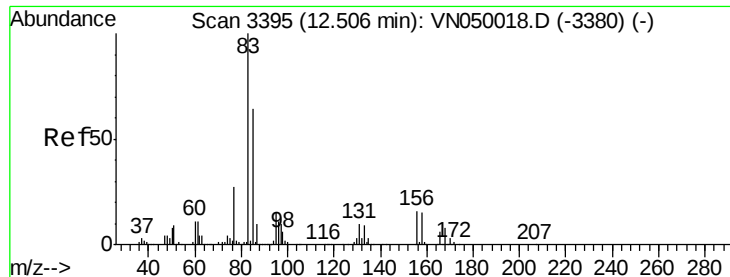


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.47 min Scan# 3384

Delta R.T. -0.03 min

Lab File: VN050107.D

Acq: 27 Jul 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

MW-16

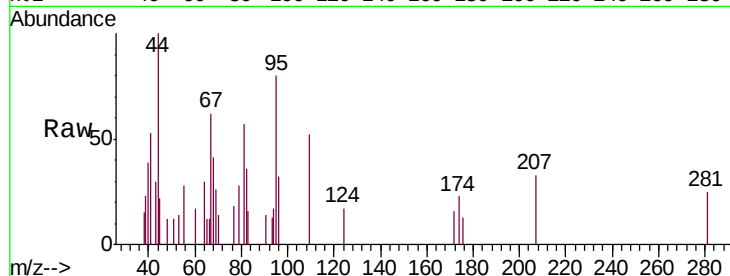
Tot Ion: 83 Resp: 217

Ion Ratio Lower Upper

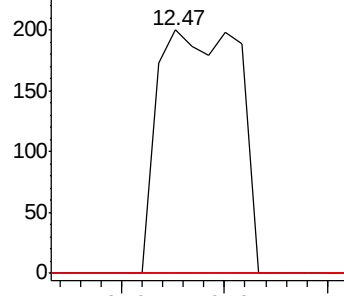
83 100

131 0.0 5.1 15.3#

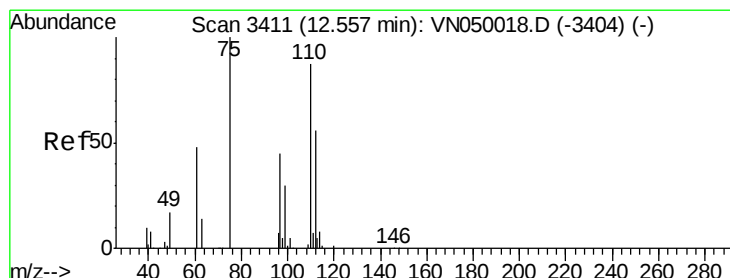
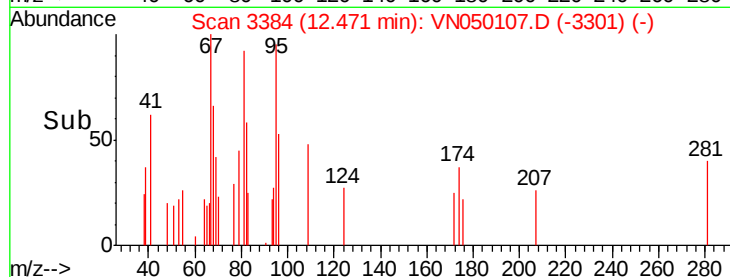
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



Time-->



#76

1,2,3-Trichloropropane

Concen: 33.43 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050107.D

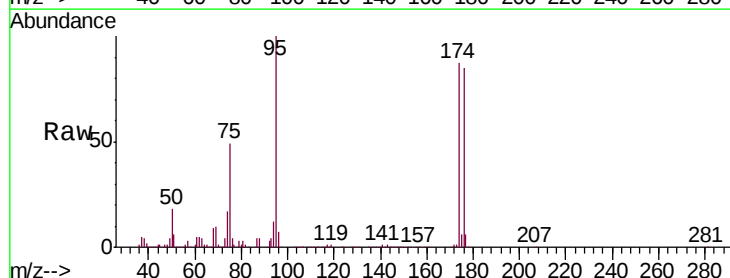
Acq: 27 Jul 2018 2:25

Tgt Ion: 75 Resp: 209461

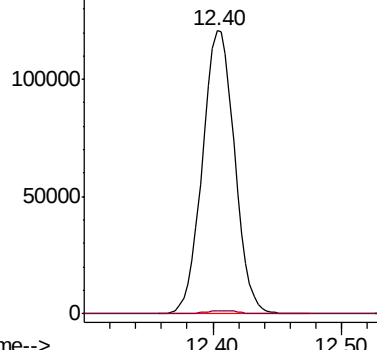
Ion Ratio Lower Upper

75 100

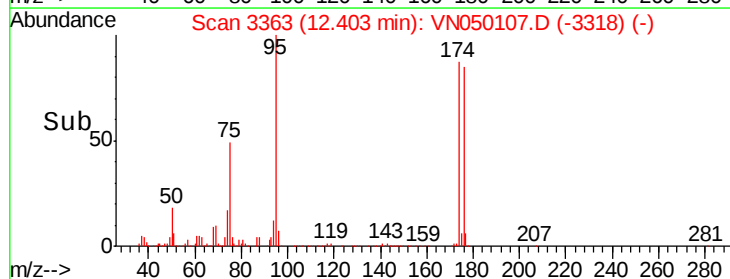
77 1.3 0.0 0.0#

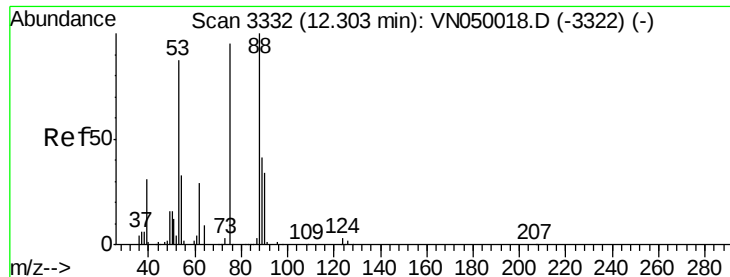


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO



Time-->

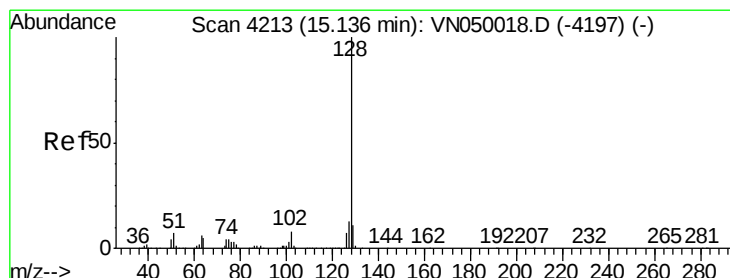
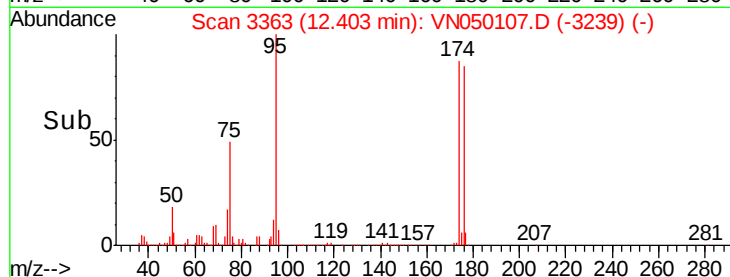
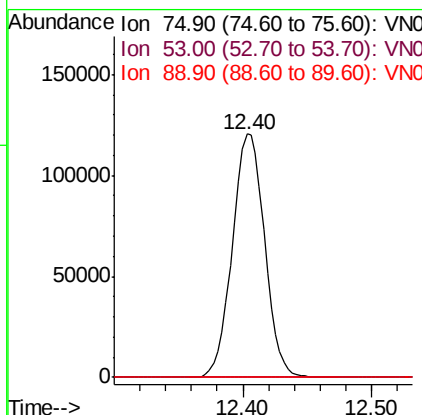
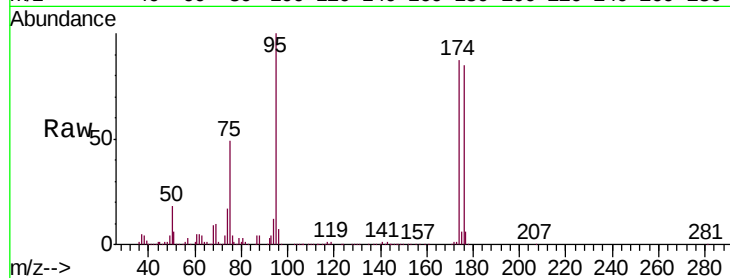




#81
trans-1,4-Dichloro-2-butene
Concen: 106.04 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050107.D
Acq: 27 Jul 2018 2:25

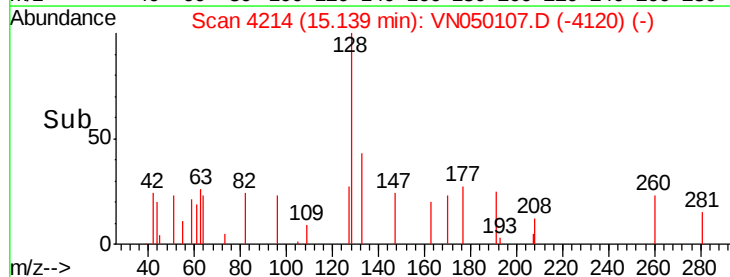
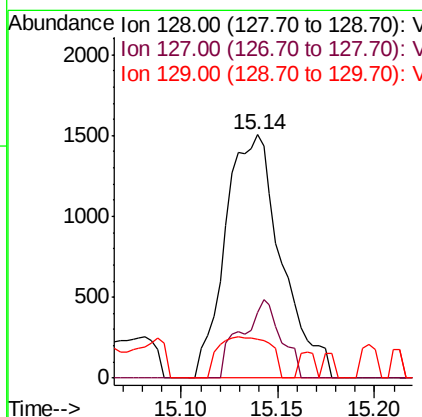
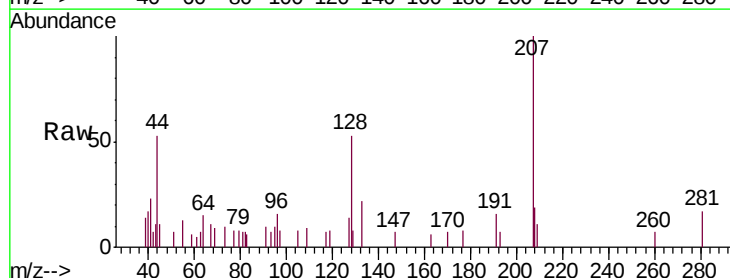
Instrument :
MSVOA_N
ClientSampleId :
MW-16

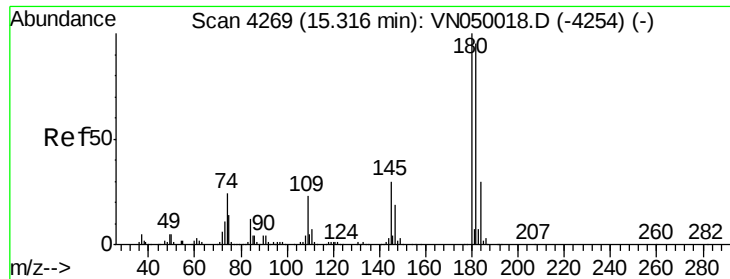
Tot Ion: 75 Resp: 209461
Ion Ratio Lower Upper
75 100
53 0.2 73.5 110.3#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 4.59 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN050107.D
Acq: 27 Jul 2018 2:25

Tgt Ion:128 Resp: 3025
Ion Ratio Lower Upper
128 100
127 22.9 10.4 15.6#
129 15.8 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.21 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN050107.D
 Acq: 27 Jul 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

Tot Ion:180 Resp: 61
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.4#
 145 10004.9 15.3 45.9#

