

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050209.D
 Acq On : 31 Jul 2018 12:37
 Operator : MD\SY
 Sample : VN0731WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBL02

Quant Time: Jul 31 18:01:44 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	726054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1156562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	946334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322219	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	492218	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
35) Dibromofluoromethane	7.59	113	447818	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
50) Toluene-d8	10.09	98	1590629	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
62) 4-Bromofluorobenzene	12.40	95	404556	35.39	ug/l	0.00
Spiked Amount			Recovery	=	70.78%	

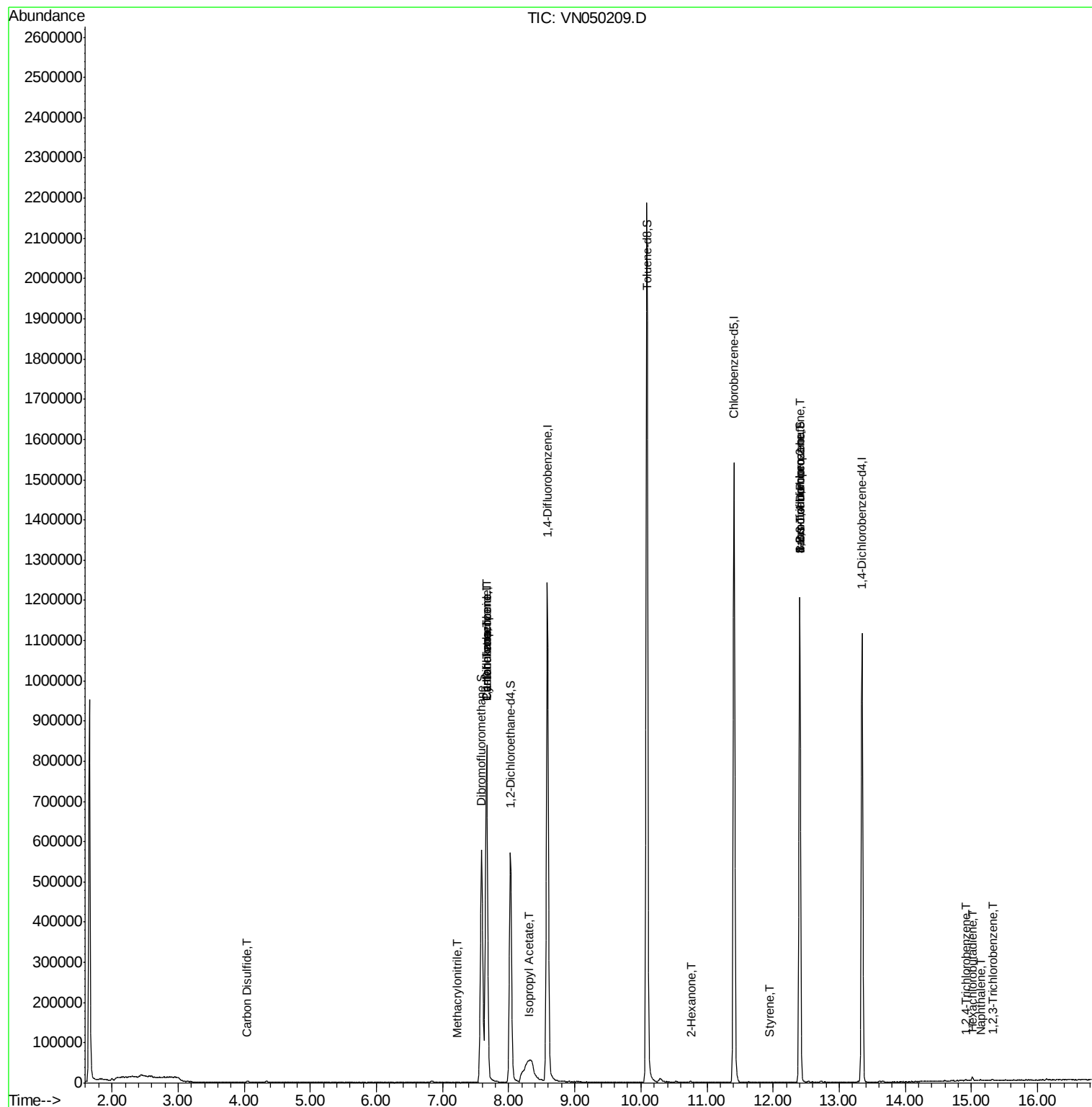
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	358	Below Cal		83
16) Acetone	3.82	43	262	Below Cal	#	83
17) Carbon Disulfide	4.04	76	5603	0.22	ug/l	# 75
18) Methyl Acetate	4.33	43	6876	Below Cal		92
20) Methylene Chloride	4.56	84	831	Below Cal	#	93
31) Cyclohexane	7.66	56	13237	0.88	ug/l	# 1
36) 1,1-Dichloropropene	7.66	75	51067	3.92	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	64148	4.64	ug/l	# 17
41) Methacrylonitrile	7.21	41	203	2.79	ug/l	# 37
43) Isopropyl Acetate	8.30	43	96434	4.60	ug/l	# 62
59) 2-Hexanone	10.76	43	1613	5.41	ug/l	# 35
70) Styrene	11.96	104	177	0.93	ug/l	# 87
71) Bromoform	12.40	173	3734	0.56	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.51	83	339	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.40	75	197976	33.06	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	197976	104.86	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	108	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1129	3.26	ug/l	89
94) Hexachlorobutadiene	15.01	225	1763	0.49	ug/l	98
95) Naphthalene	15.14	128	2474	4.57	ug/l	# 78
96) 1,2,3-Trichlorobenzene	15.32	180	1418	2.43	ug/l	# 77

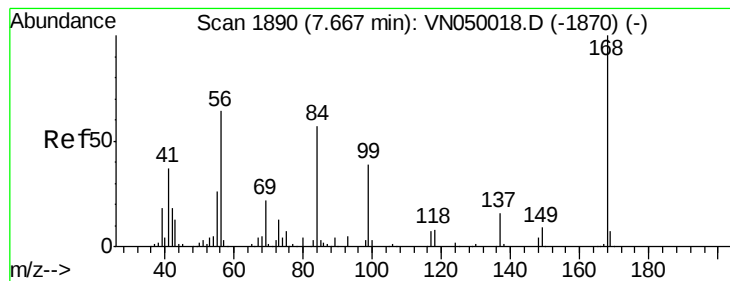
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1890

Delta R.T. -0.00 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

Instrument :

MSVOA_N

ClientSampled :

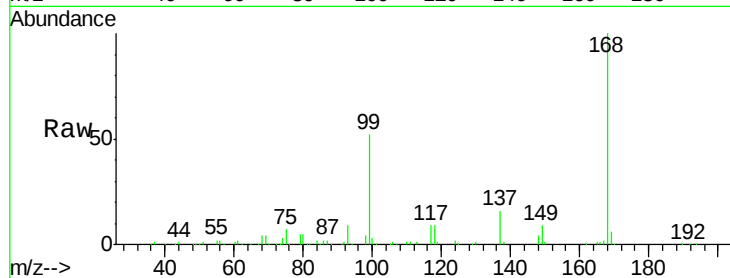
VN0731WBL02

Tot Ion:168 Resp: 726054

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

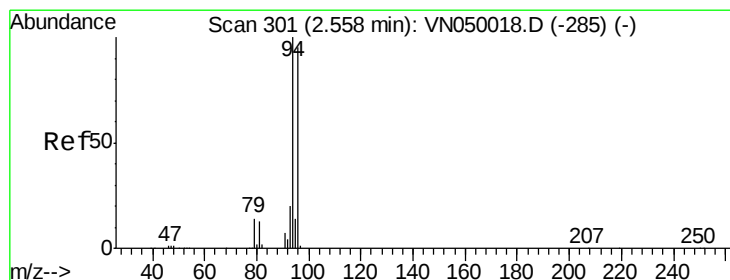
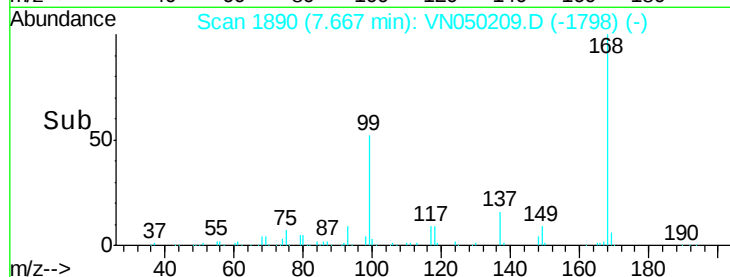
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

Lab File: VN050209.D

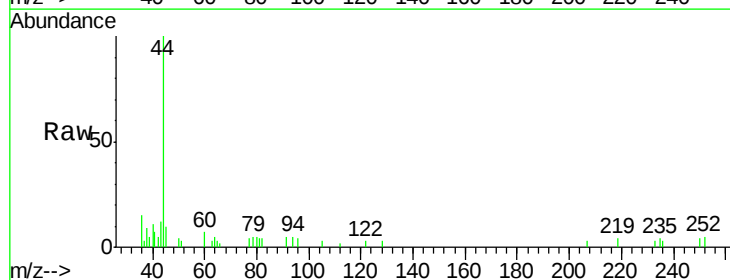
Acq: 31 Jul 2018 12:37

Tgt Ion: 94 Resp: 358

Ion Ratio Lower Upper

94 100

96 76.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.55

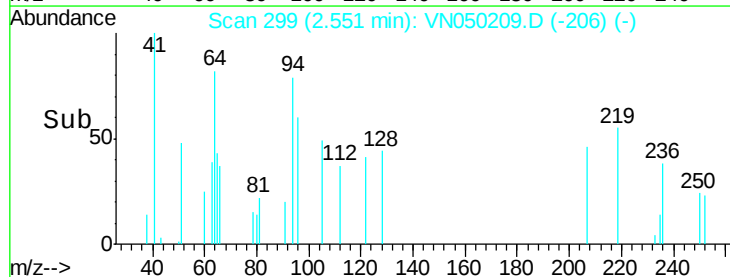
600

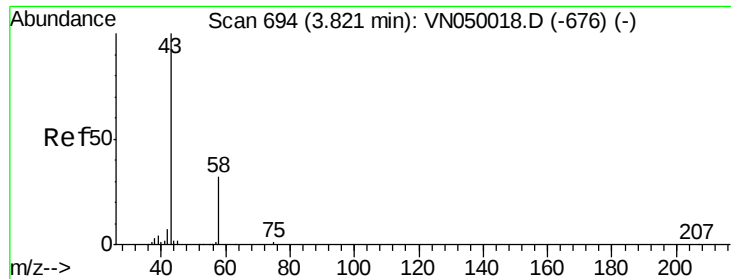
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

Instrument :

MSVOA_N

ClientSampled :

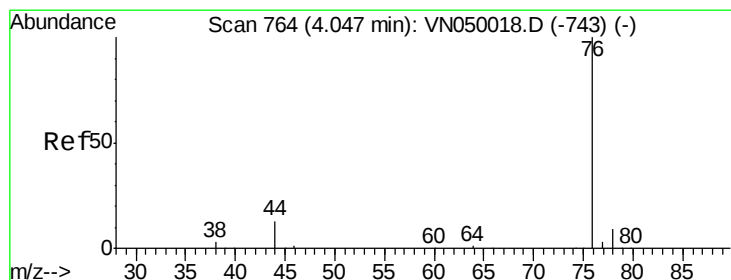
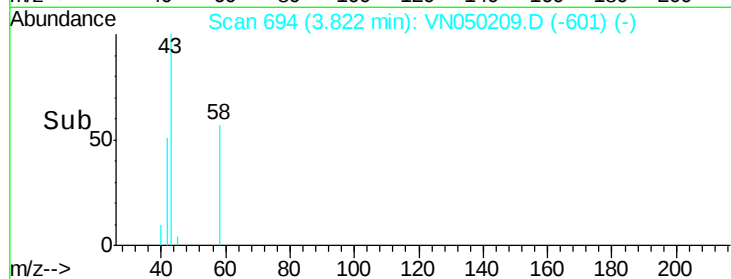
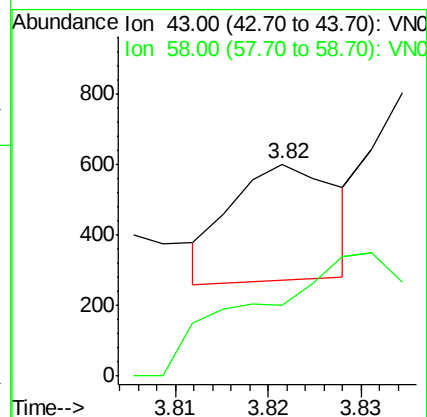
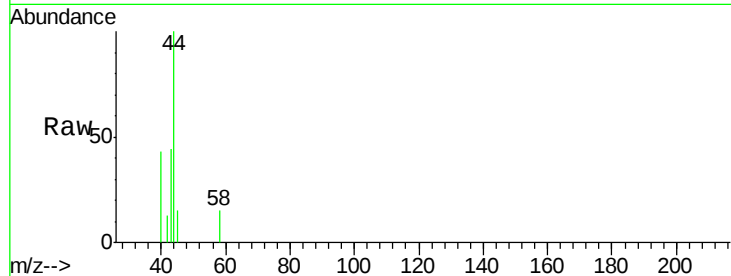
VN0731WBL02

Tot Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

58 23.0 25.8 38.8#



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 4.04 min Scan# 762

Delta R.T. -0.01 min

Lab File: VN050209.D

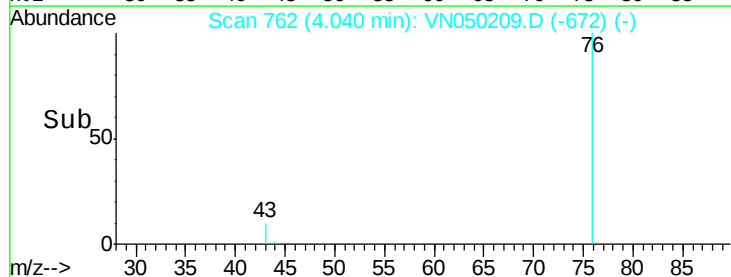
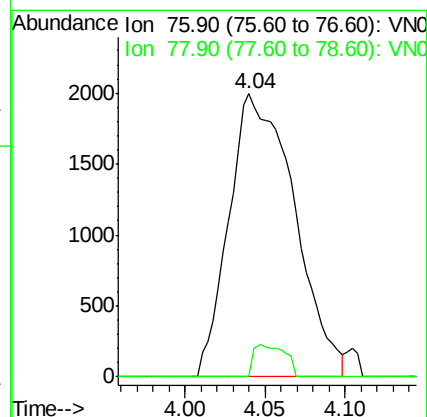
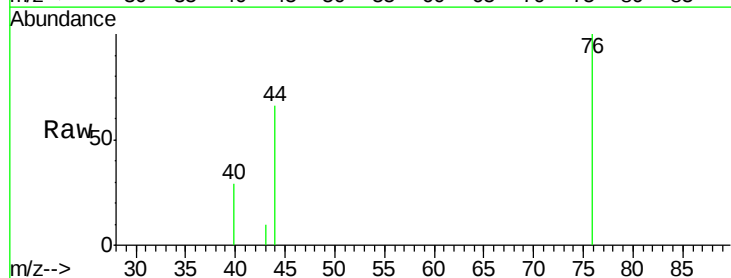
Acq: 31 Jul 2018 12:37

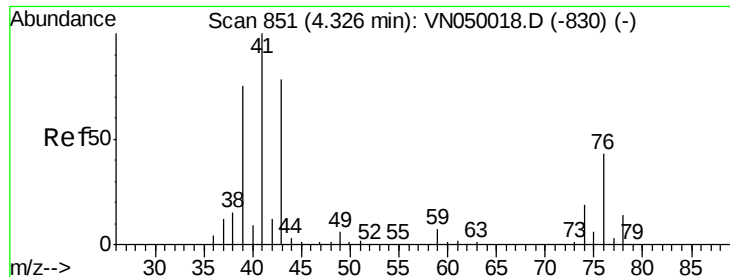
Tgt Ion: 76 Resp: 5603

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

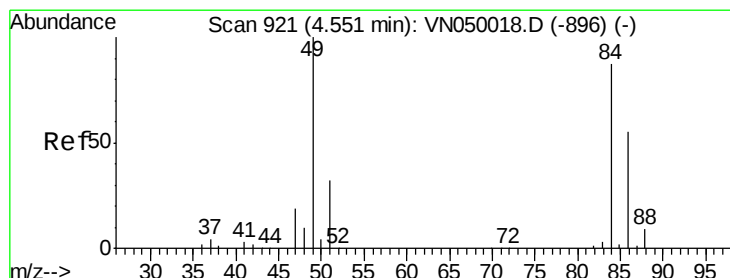
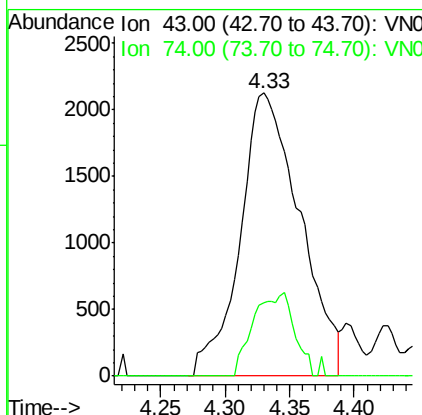
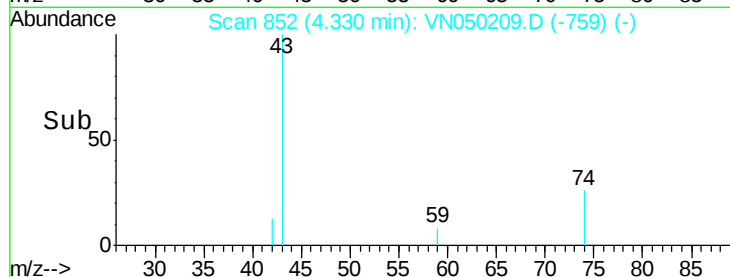
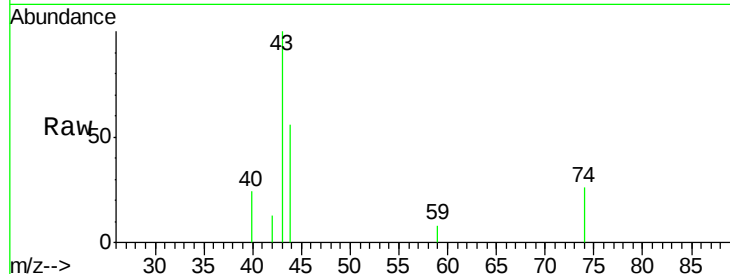




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

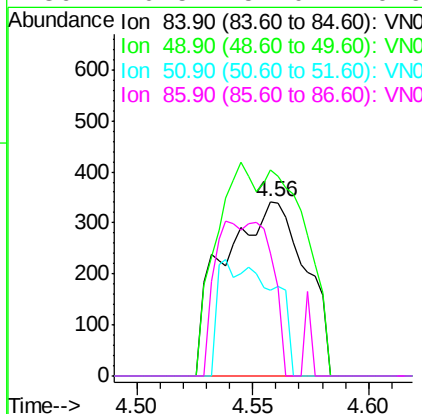
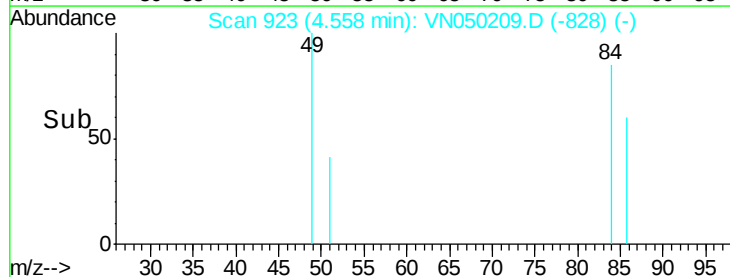
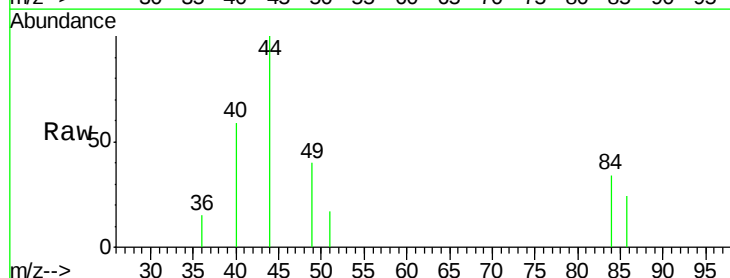
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBL02

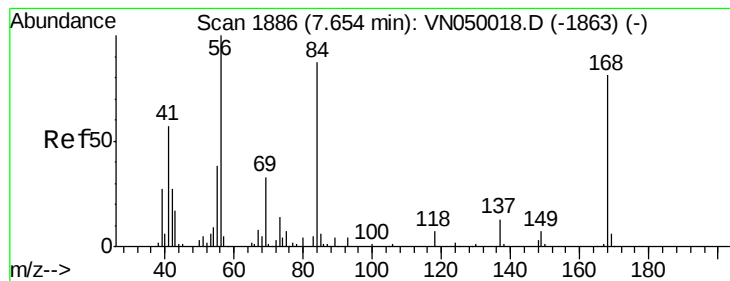
Tot Ion: 43 Resp: 6876
Ion Ratio Lower Upper
43 100
74 20.2 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

Tgt Ion: 84 Resp: 831
Ion Ratio Lower Upper
84 100
49 117.8 94.8 142.2
51 48.8 28.3 42.5#
86 70.5 51.0 76.6





#31

Cvclohexane

Concen: 0.88 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBL02

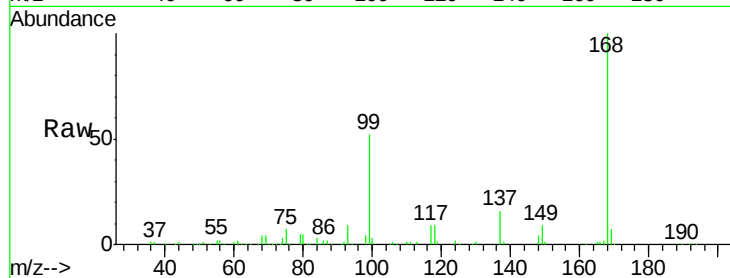
Tot Ion: 56 Resp: 13237

Ion Ratio Lower Upper

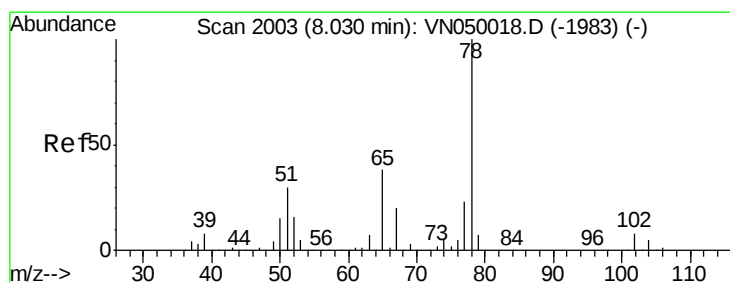
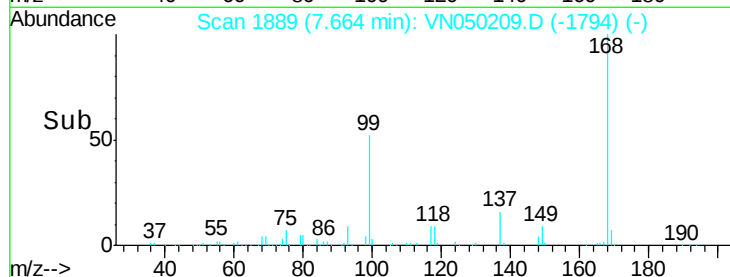
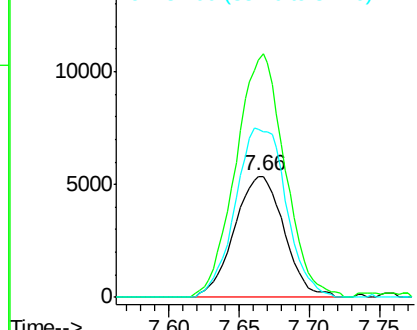
56 100

69 196.7 26.2 39.4#

84 139.4 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: 48.59 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050209.D

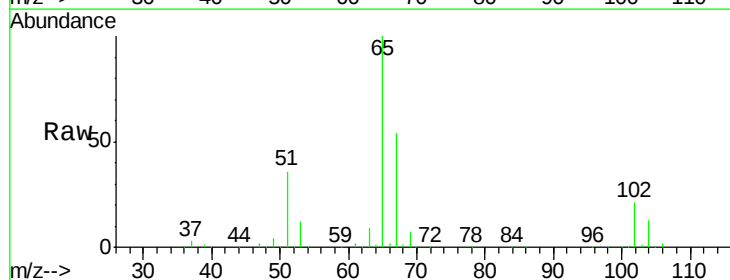
Acq: 31 Jul 2018 12:37

Tgt Ion: 65 Resp: 492218

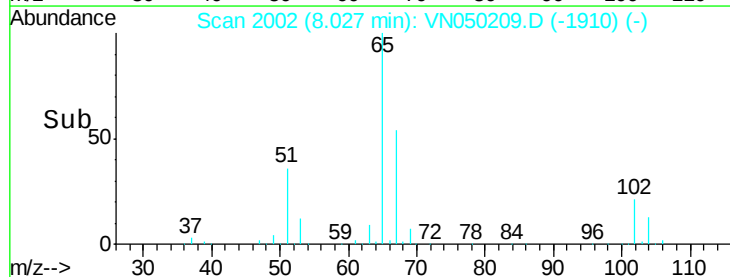
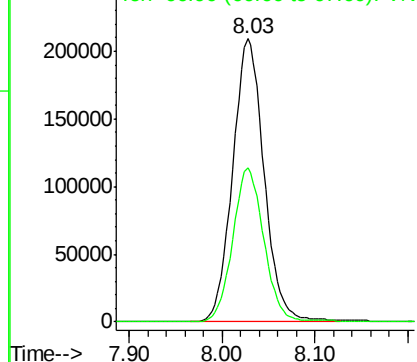
Ion Ratio Lower Upper

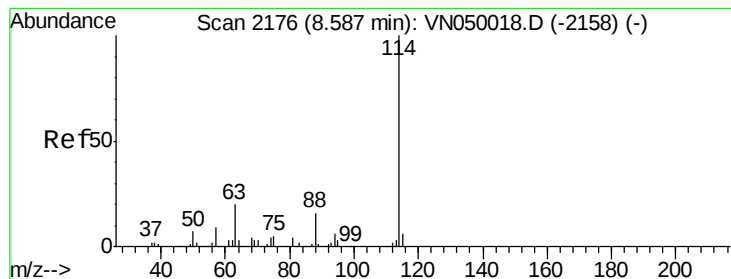
65 100

67 54.0 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# 2176

Delta R.T. -0.00 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBL02

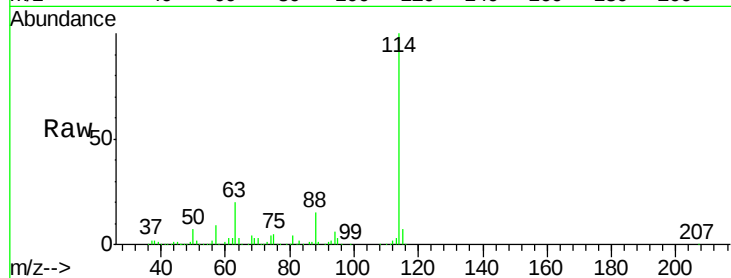
Tot Ion:114 Resp: 1156562

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

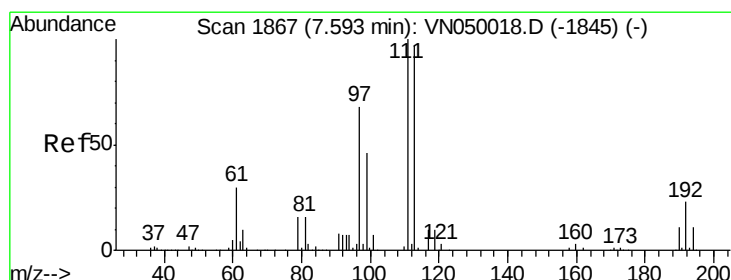
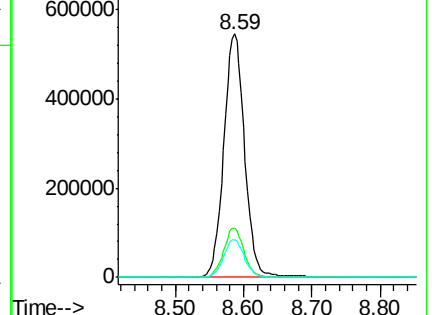
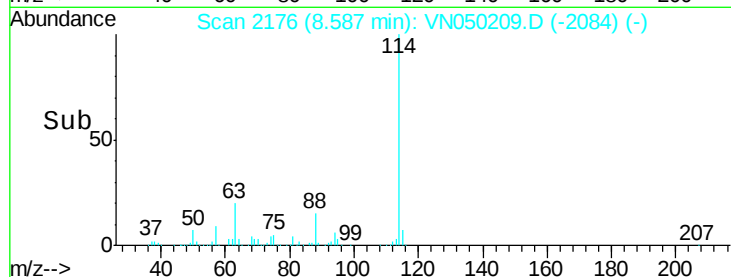
88 15.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.42 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

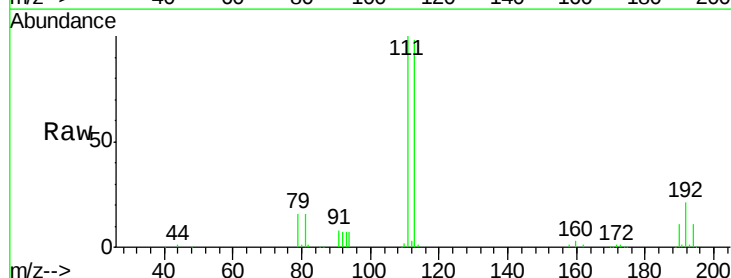
Tgt Ion:113 Resp: 447818

Ion Ratio Lower Upper

113 100

111 101.9 80.7 121.1

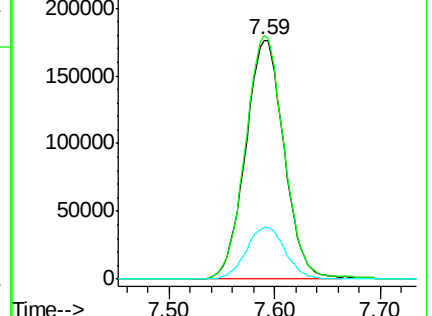
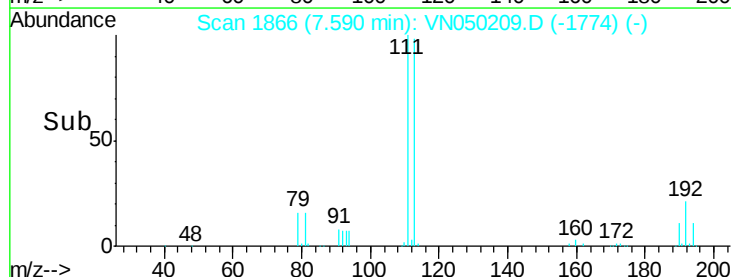
192 22.0 17.8 26.6

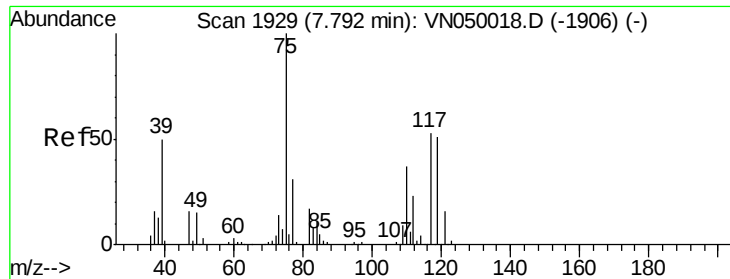


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.92 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

Instrument :

MSVOA_N

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VN0731WBL02

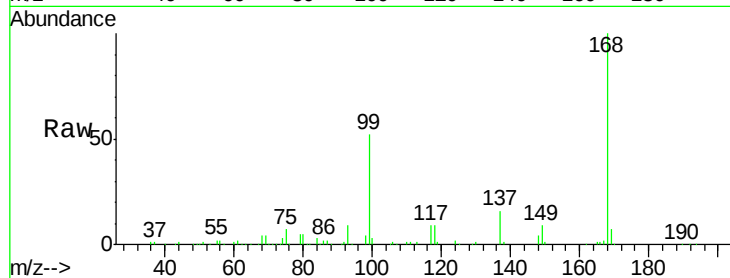
Tot Ion: 75 Resp: 51067

Ion Ratio Lower Upper

75 100

110 8.1 18.4 55.2#

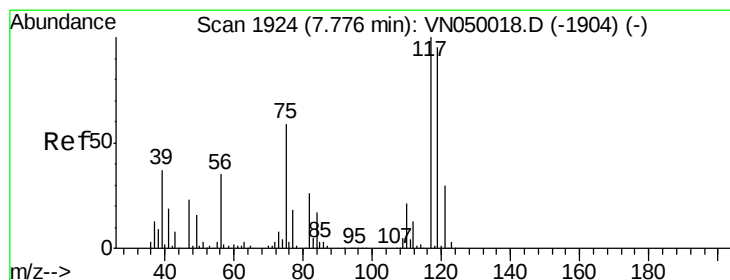
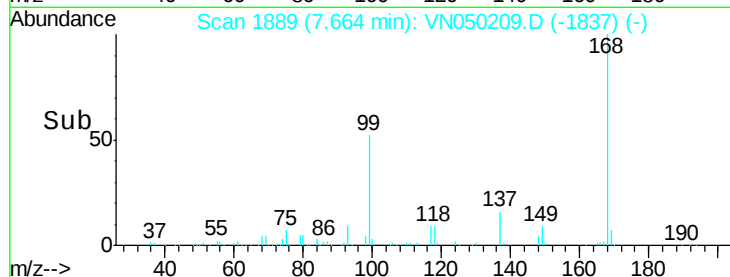
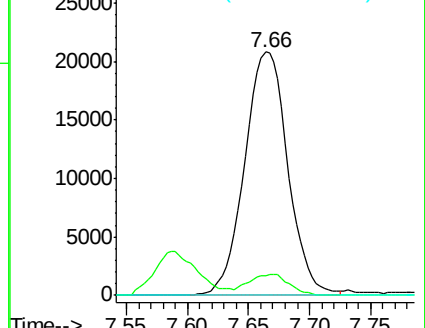
77 0.0 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

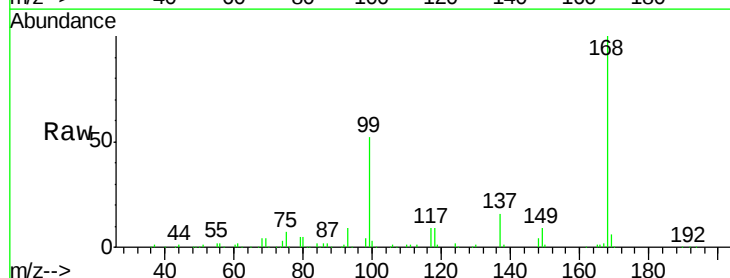
Tgt Ion: 117 Resp: 64148

Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

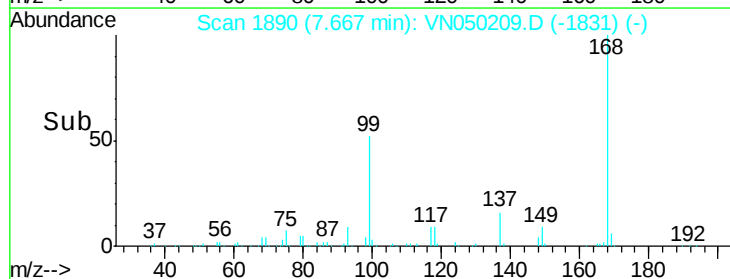
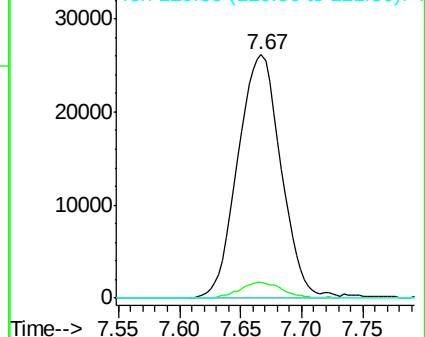
121 0.0 23.9 35.9#

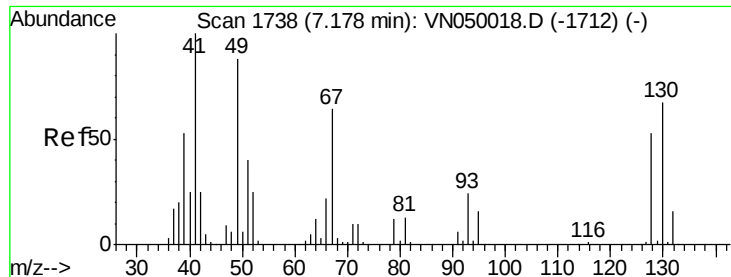


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

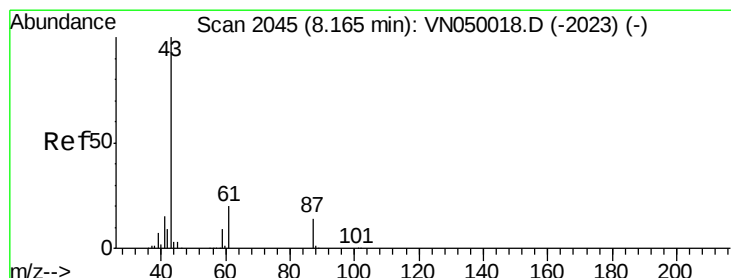
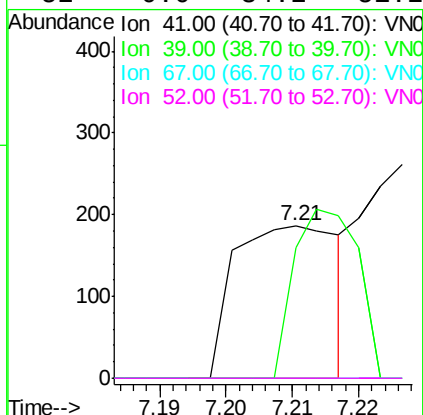
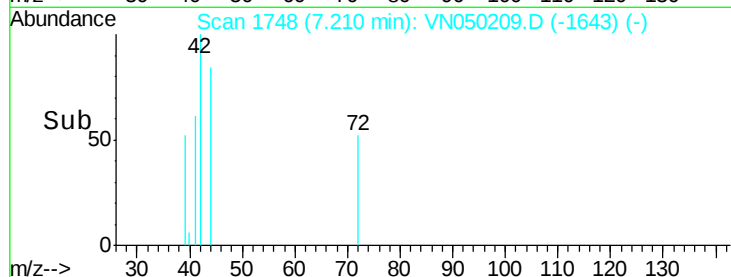
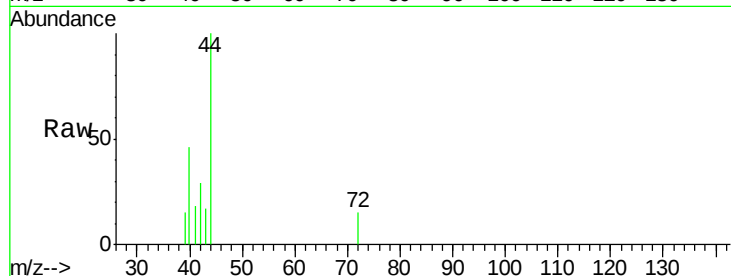




#41
Methacrylonitrile
Concen: 2.79 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

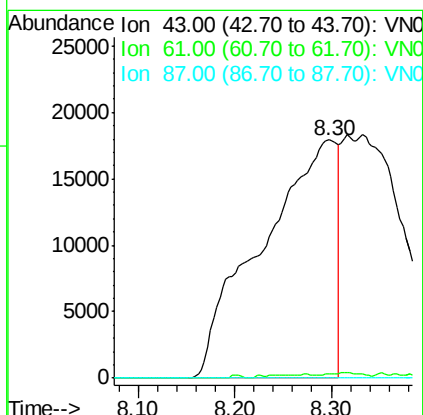
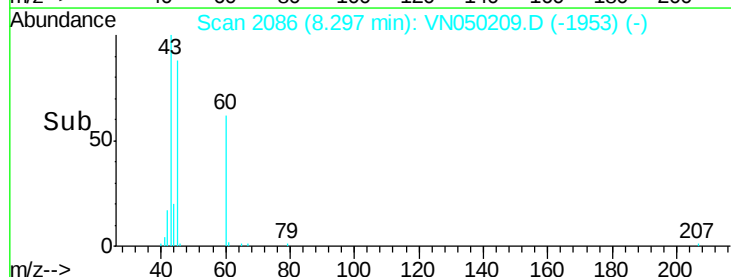
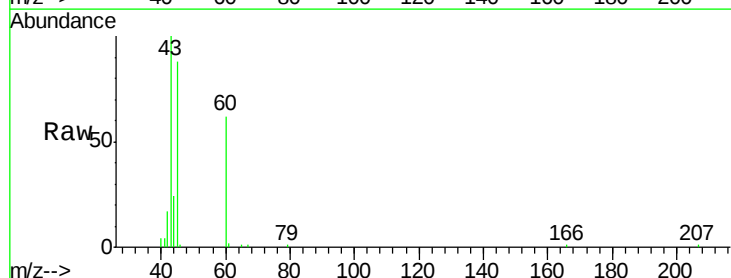
Instrument :
MSVOA_N
ClientSampled :
VN0731WBL02

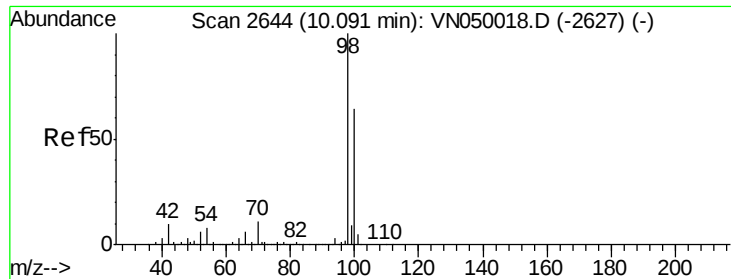
Tot Ion: 41 Resp: 203
Ion Ratio Lower Upper
41 100
39 69.0 55.8 83.6
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 4.60 ug/l
RT: 8.30 min Scan# 2086
Delta R.T. 0.13 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

Tgt Ion: 43 Resp: 96434
Ion Ratio Lower Upper
43 100
61 0.4 15.8 23.6#
87 0.0 10.3 15.5#

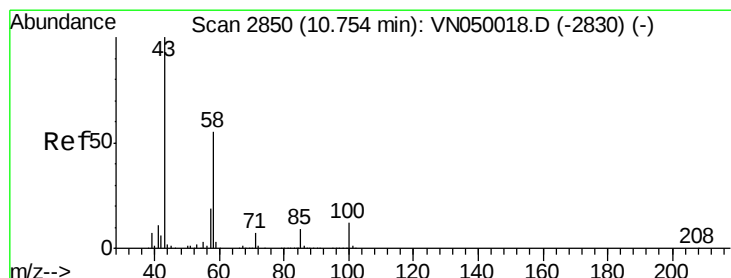
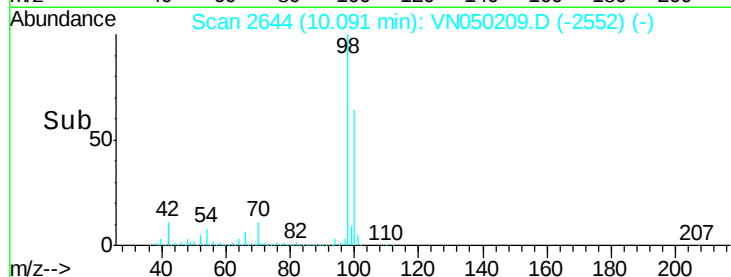
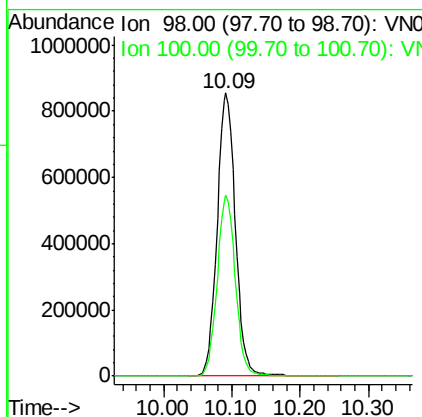
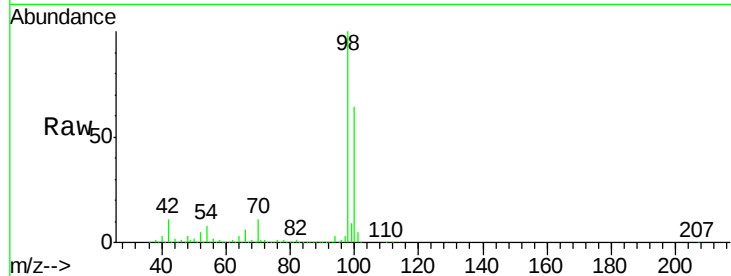




#50
Toluene-d8
Concen: 45.82 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

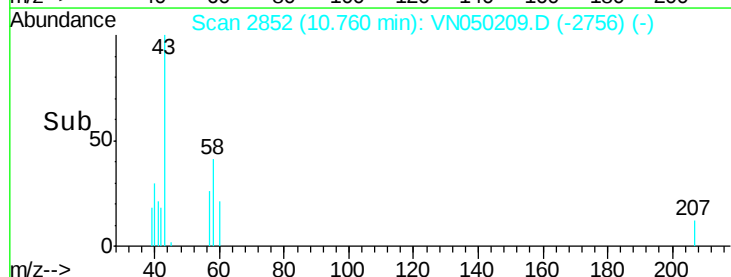
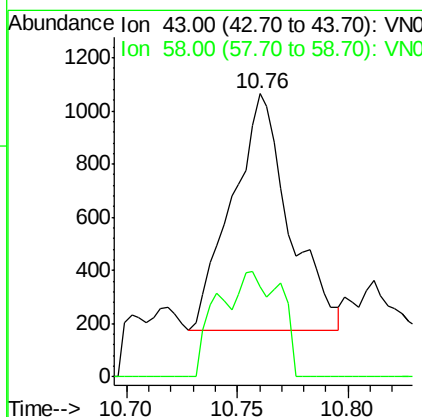
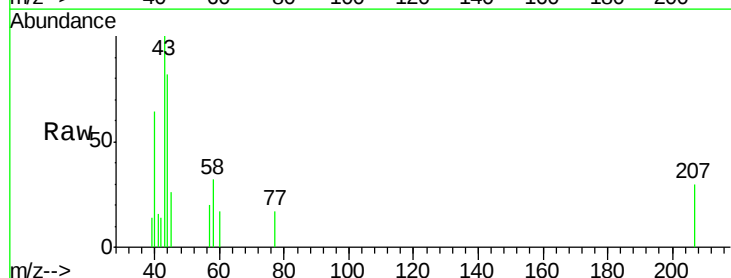
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBL02

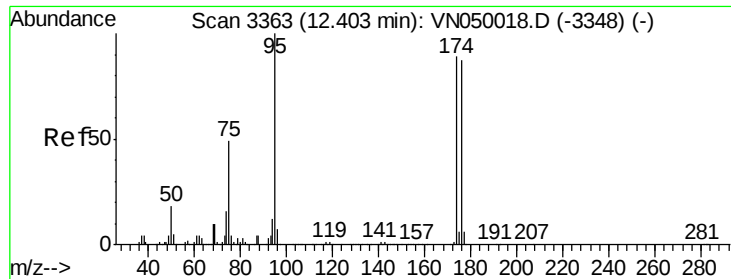
Tot Ion: 98 Resp: 1590629
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#59
2-Hexanone
Concen: 5.41 ug/l
RT: 10.76 min Scan# 2852
Delta R.T. 0.01 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

Tgt Ion: 43 Resp: 1613
Ion Ratio Lower Upper
43 100
58 8.4 27.6 82.7#

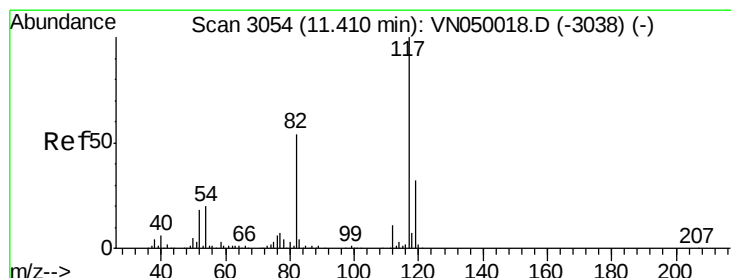
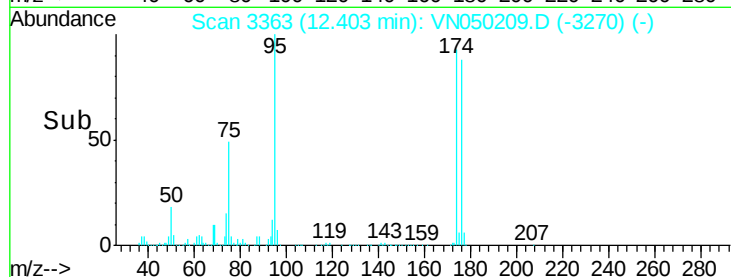
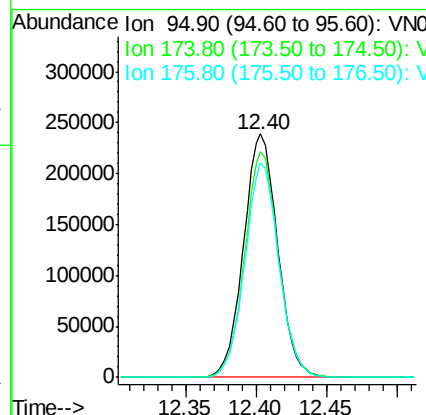
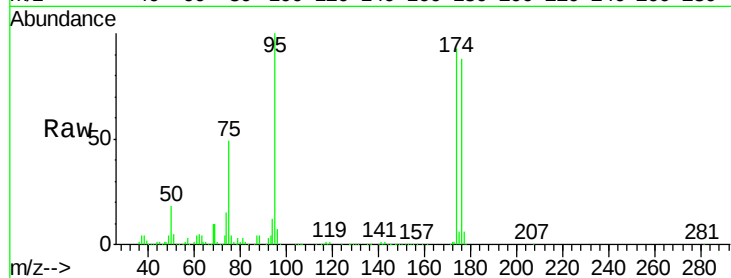




#62
4-Bromofluorobenzene
Concen: 35.39 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

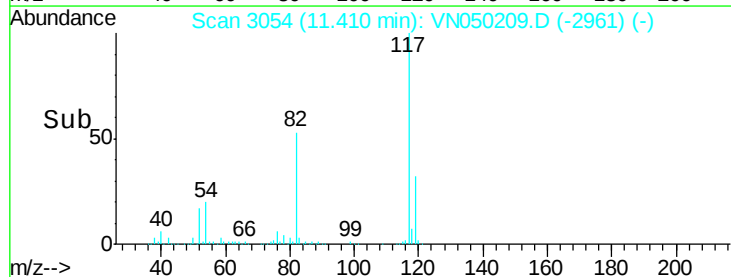
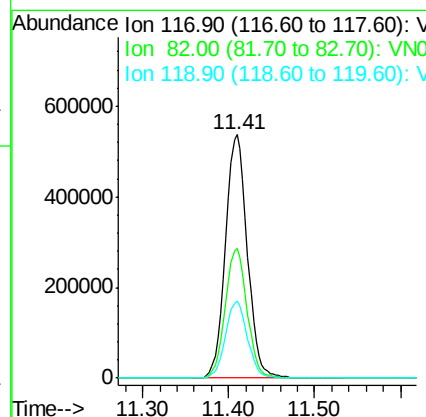
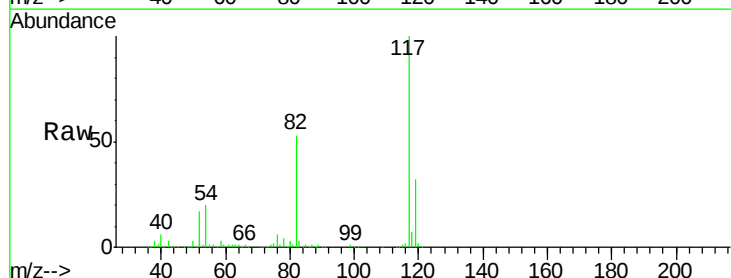
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBL02

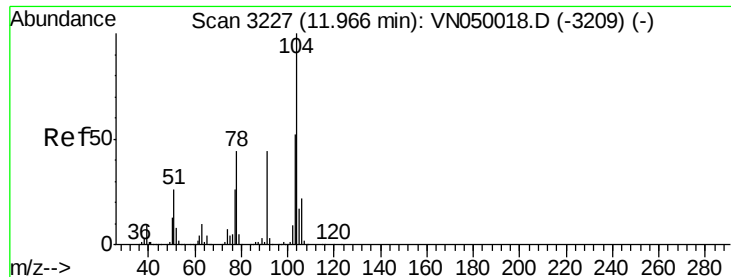
Tot Ion: 95 Resp: 404556
Ion Ratio Lower Upper
95 100
174 91.8 0.0 178.2
176 87.8 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

Tgt Ion: 117 Resp: 946334
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 31.6 26.1 39.1

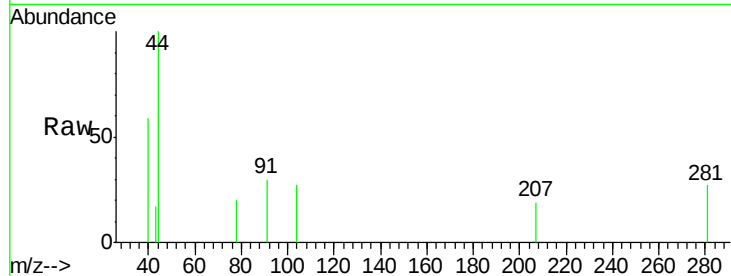




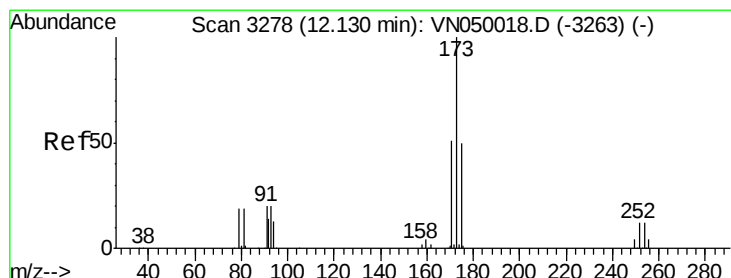
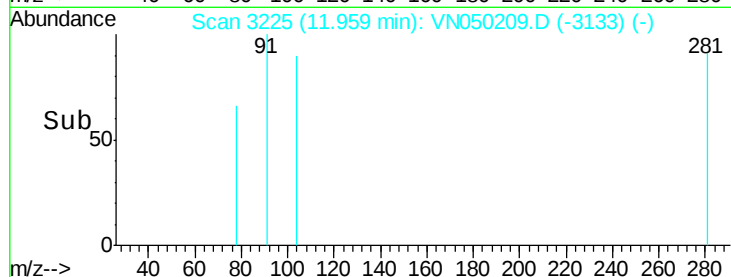
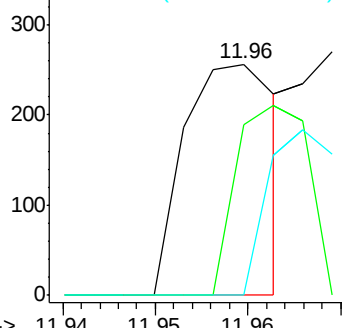
#70
Stvrene
Concen: 0.93 ug/l
RT: 11.96 min Scan# 3225
Delta R.T. -0.01 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBL02

Tot Ion:104 Resp: 177
Ion Ratio Lower Upper
104 100
78 65.0 39.3 58.9#
103 53.7 45.0 67.6

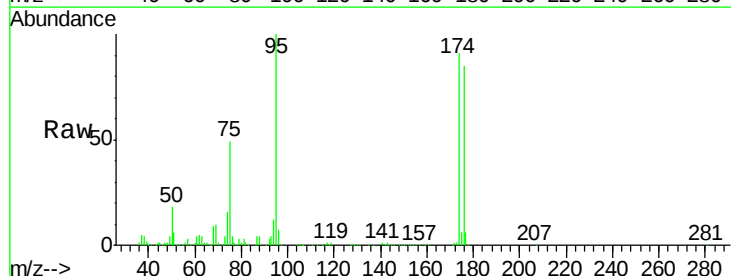


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

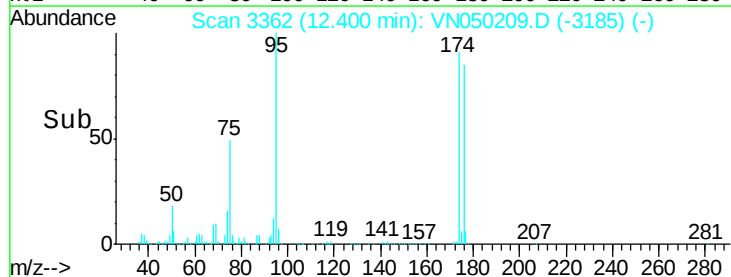
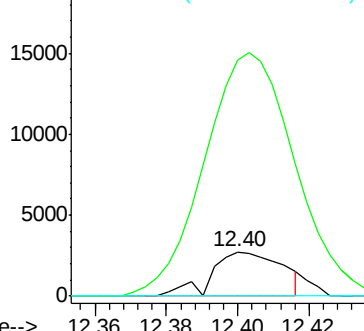


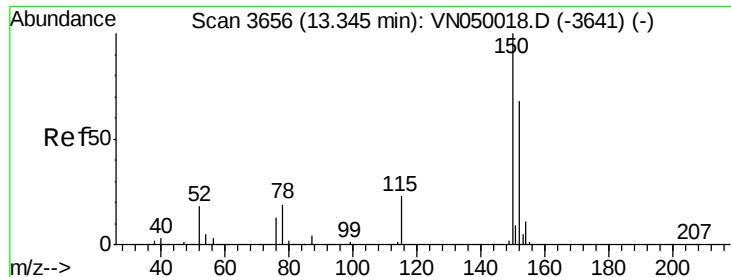
#71
Bromoform
Concen: 0.56 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN050209.D
Acq: 31 Jul 2018 12:37

Tgt Ion:173 Resp: 3734
Ion Ratio Lower Upper
173 100
175 624.8 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: VN050209.D

Acq: 31 Jul 2018 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBL02

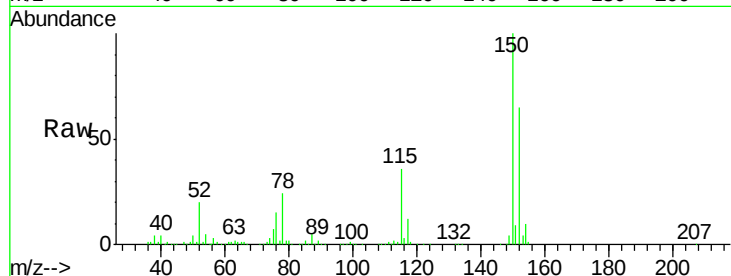
Tot Ion:152 Resp: 322219

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

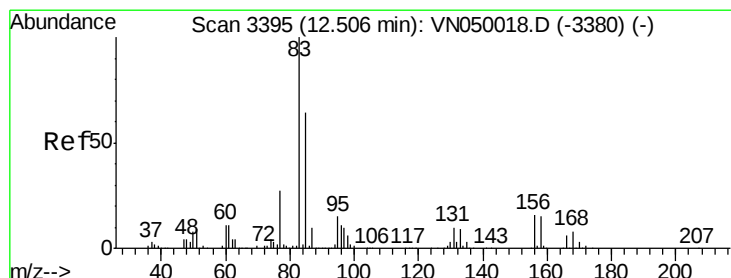
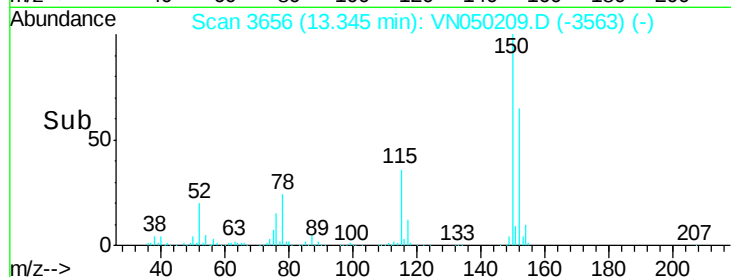
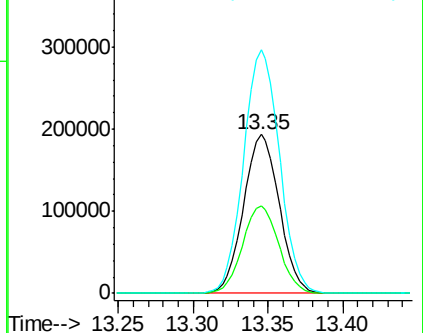
150 153.9 0.0 348.6



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: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

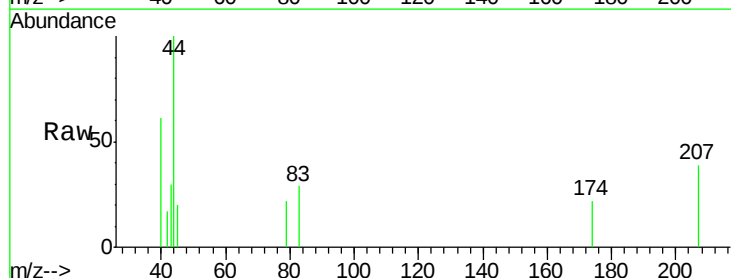
Tgt Ion: 83 Resp: 339

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

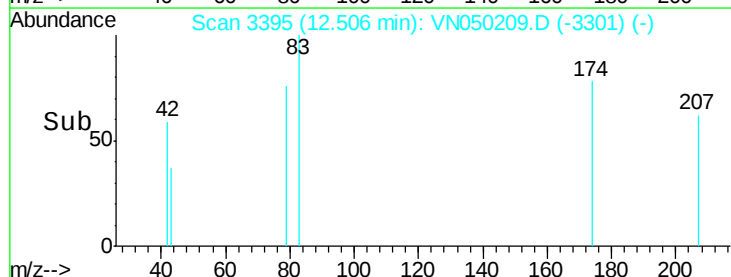
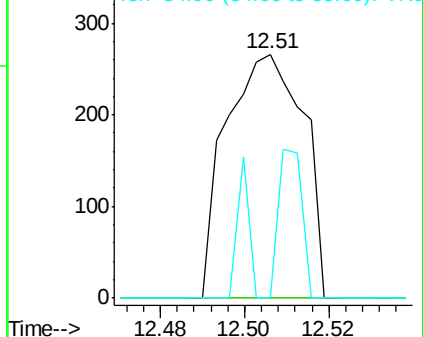
85 18.3 32.3 96.8#

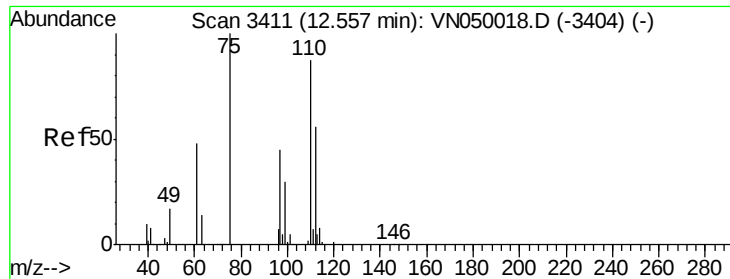


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.06 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

Instrument :

MSVOA_N

ClientSampled :

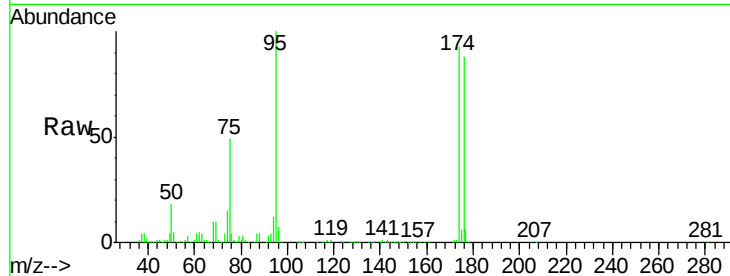
VN0731WBL02

Tot Ion: 75 Resp: 197976

Ion Ratio Lower Upper

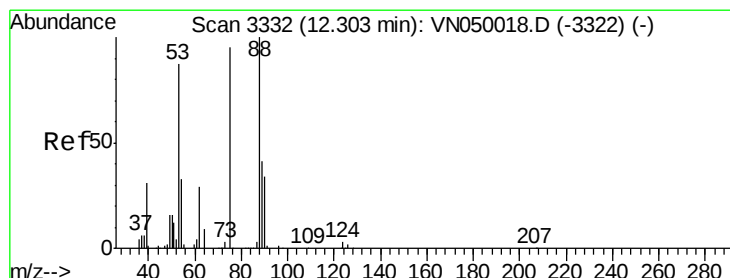
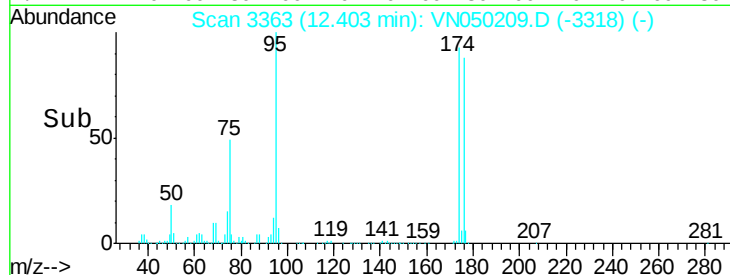
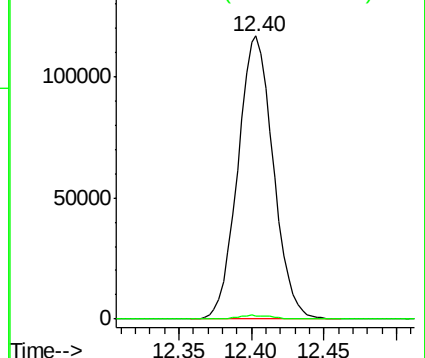
75 100

77 1.4 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: 104.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

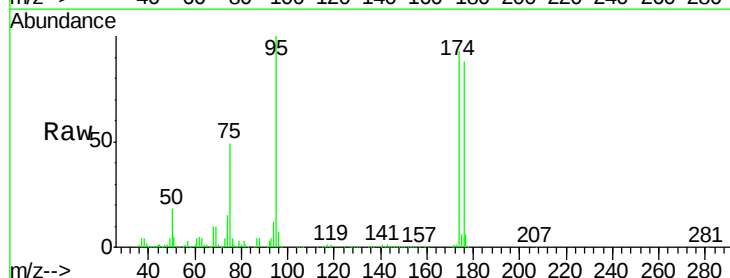
Tgt Ion: 75 Resp: 197976

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

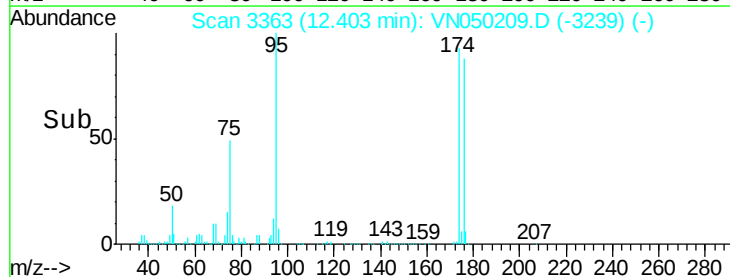
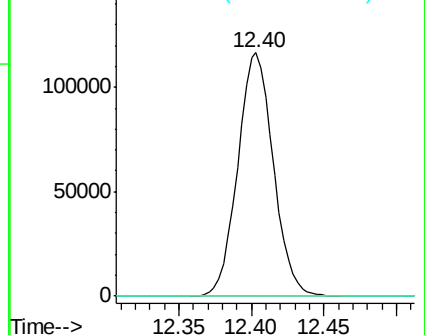
89 0.0 36.0 54.0#

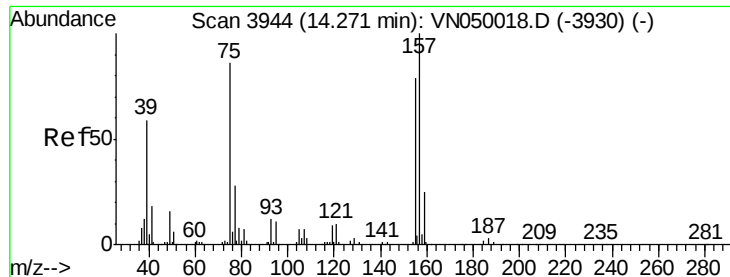


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

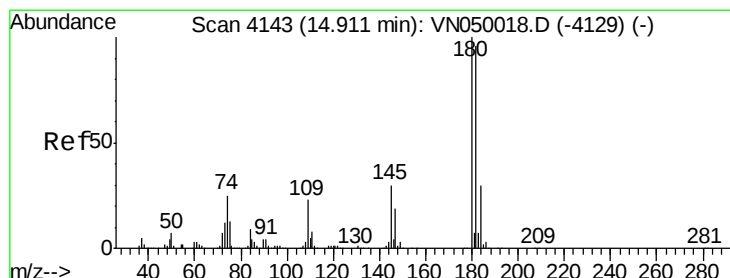
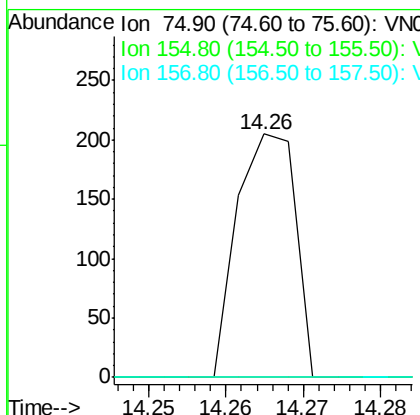
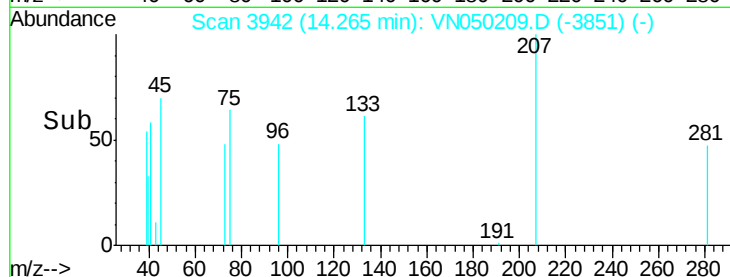
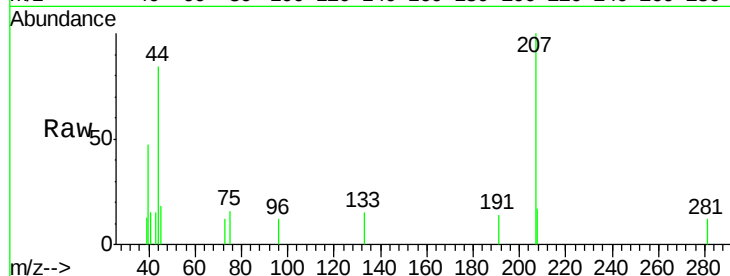




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3942
 Delta R.T. -0.01 min
 Lab File: VN050209.D
 Acq: 31 Jul 2018 12:37

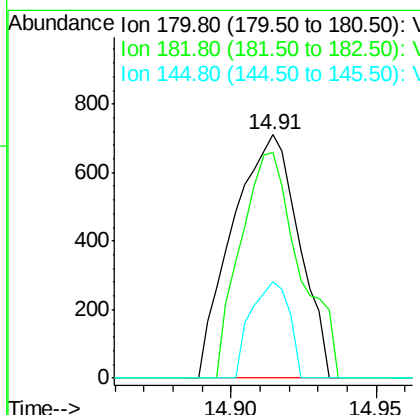
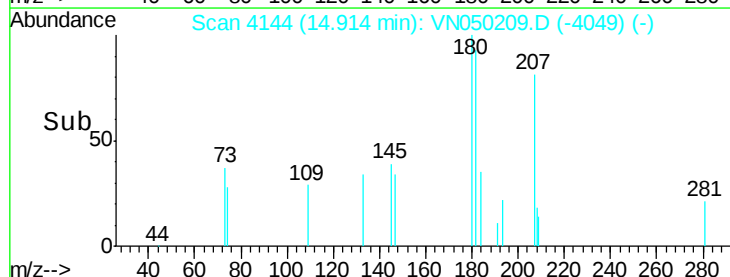
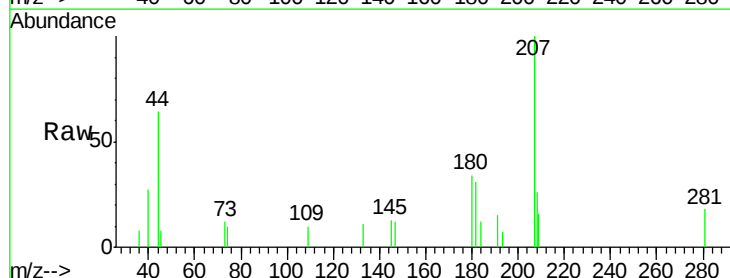
Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBL02

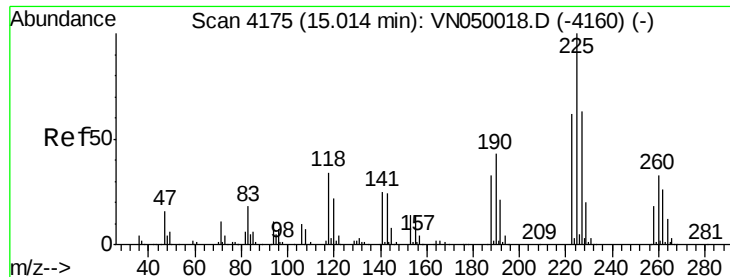
Tot Ion: 75 Resp: 108
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.8 134.4#
 157 0.0 57.2 171.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.26 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050209.D
 Acq: 31 Jul 2018 12:37

Tgt Ion: 180 Resp: 1129
 Ion Ratio Lower Upper
 180 100
 182 82.1 46.7 140.1
 145 23.0 13.8 41.4





#94

Hexachlorobutadiene

Concen: 0.49 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBL02

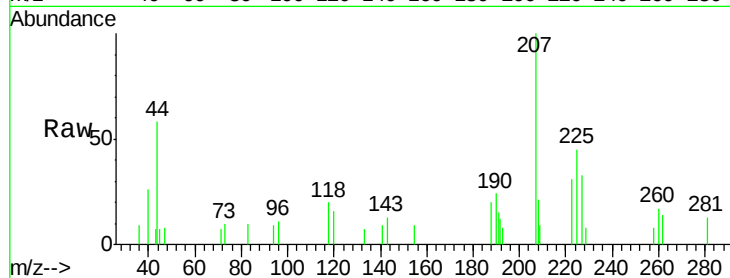
Tot Ion:225 Resp: 1763

Ion Ratio Lower Upper

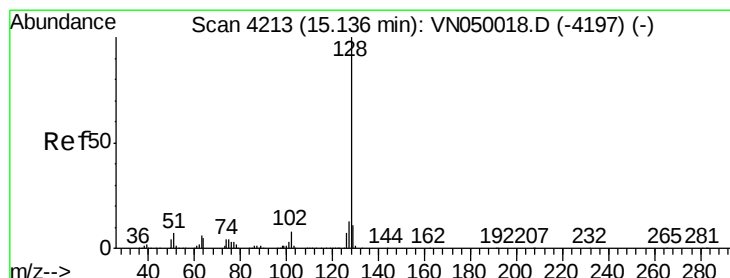
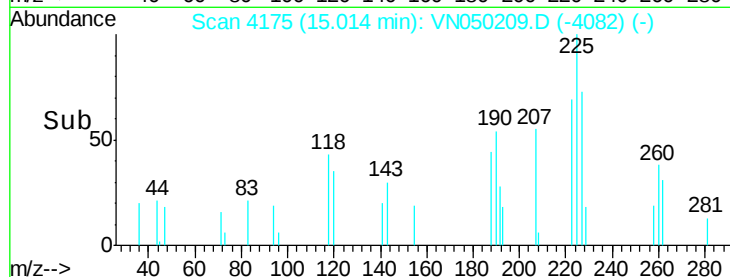
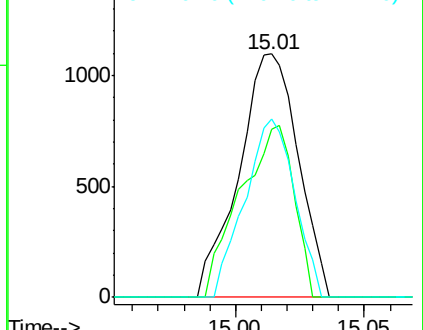
225 100

223 64.0 31.4 94.2

227 61.8 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.57 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

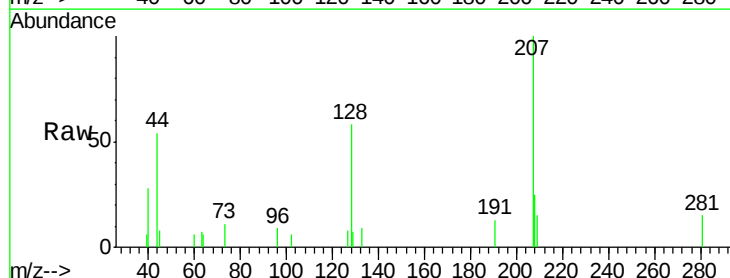
Tgt Ion:128 Resp: 2474

Ion Ratio Lower Upper

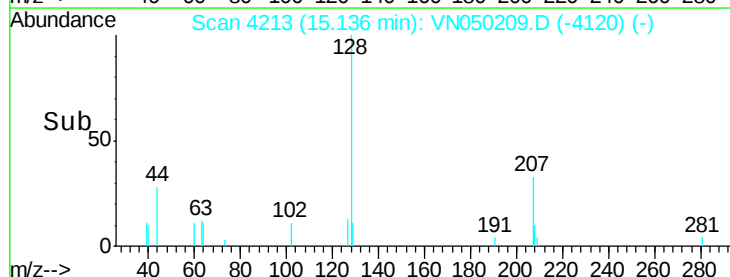
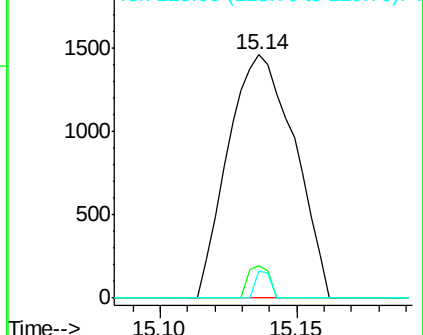
128 100

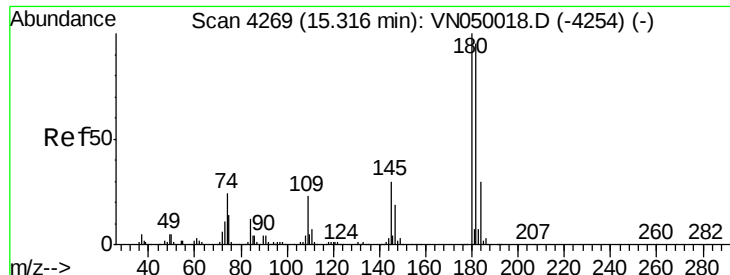
127 4.1 10.4 15.6#

129 2.5 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: 2.43 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050209.D

Acq: 31 Jul 2018 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBL02

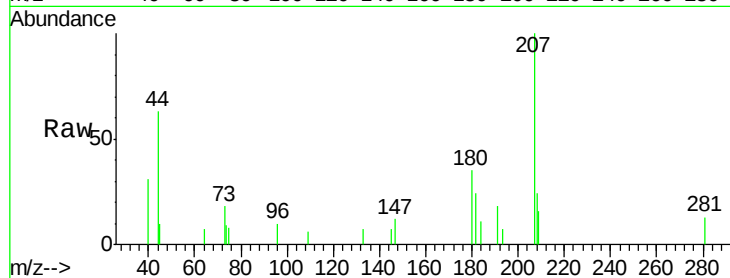
Tot Ion:180 Resp: 1418

Ion Ratio Lower Upper

180 100

182 77.6 48.1 144.4

145 12.5 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

