

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050083.D
 Acq On : 26 Jul 2018 15:37
 Operator : MD\SY
 Sample : J4142-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Quant Time: Jul 27 01:20:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	615083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1005926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	831937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	293022	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	442790	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
35) Dibromofluoromethane	7.60	113	395324	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	10.09	98	1361437	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	
62) 4-Bromofluorobenzene	12.40	95	358103	36.02	ug/l	0.00
Spiked Amount			Recovery	=	72.04%	

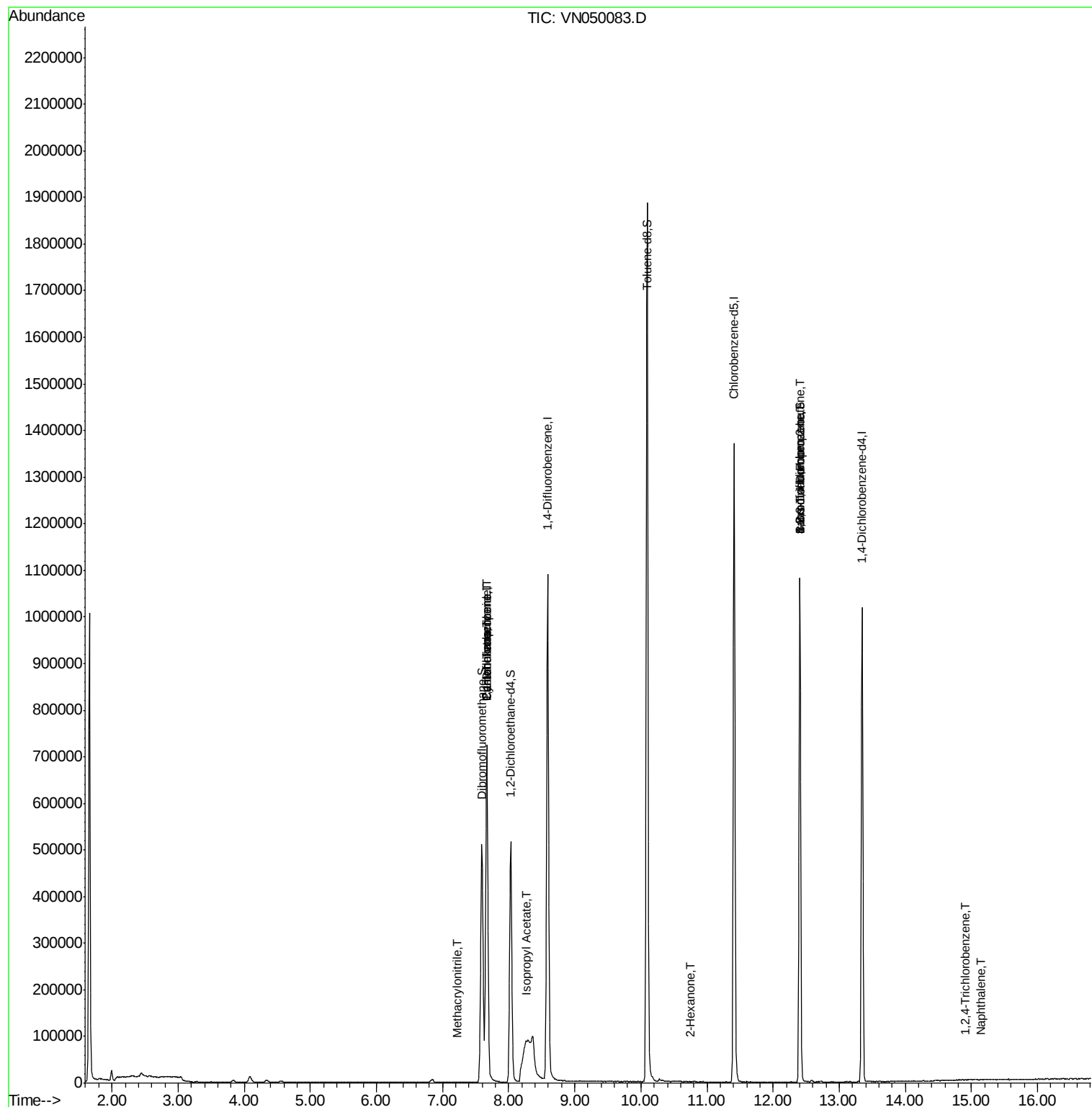
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	603	Below Cal	#	49
16) Acetone	3.83	43	7820	Below Cal	#	89
18) Methyl Acetate	4.34	43	8529	Below Cal	#	84
20) Methylene Chloride	4.55	84	1721	Below Cal	#	77
31) Cyclohexane	7.67	56	11534	0.91	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	43983	3.88	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	57378	4.77	ug/l	# 16
41) Methacrylonitrile	7.22	41	132	2.78	ug/l	# 30
43) Isopropyl Acetate	8.27	43	124491	7.39	ug/l	# 62
59) 2-Hexanone	10.75	43	75	5.19	ug/l	# 24
71) Bromoform	12.41	173	3581	0.61	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.41	83	103	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	176800	32.47	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	176800	102.98	ug/l	# 13
93) 1,2,4-Trichlorobenzene	14.91	180	98	3.10	ug/l	# 13
95) Naphthalene	15.13	128	292	4.44	ug/l	# 69

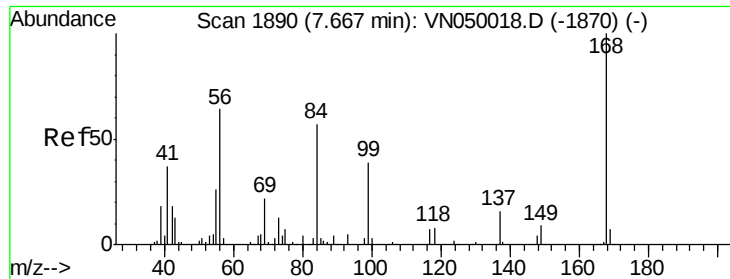
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050083.D

Acq: 26 Jul 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

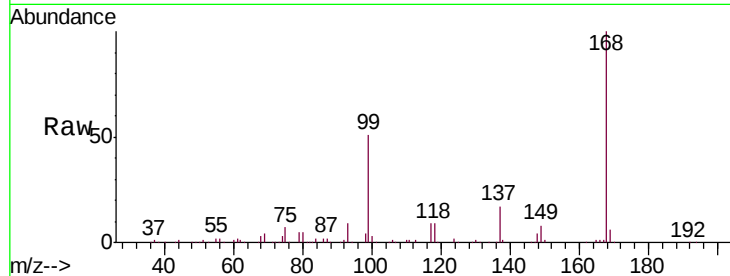
TRIPBLANK

Tot Ion:168 Resp: 615083

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

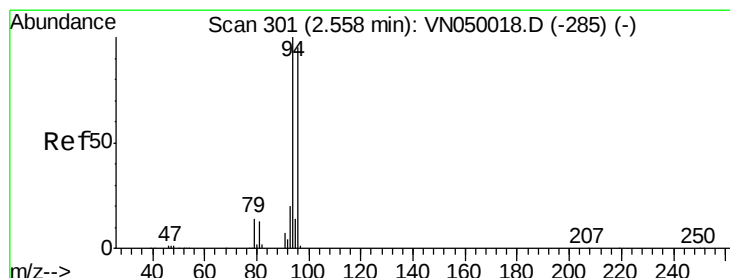
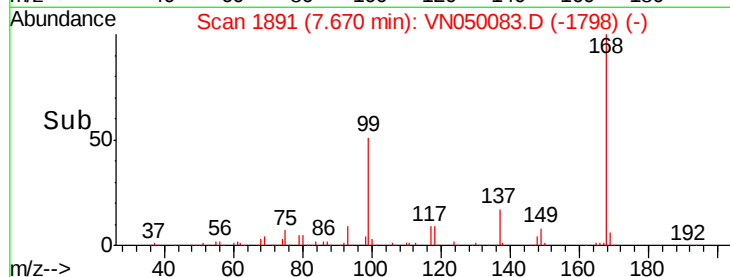
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050083.D

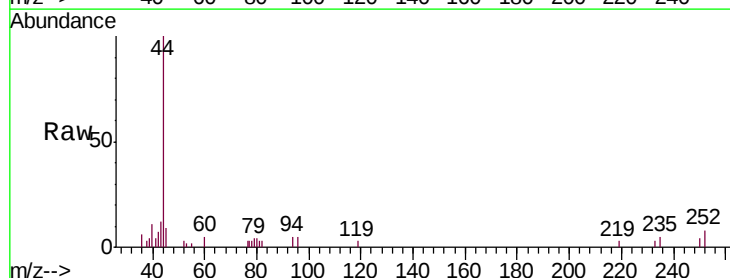
Acq: 26 Jul 2018 15:37

Tgt Ion: 94 Resp: 603

Ion Ratio Lower Upper

94 100

96 43.9 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050018.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN050018.D (-285) (-)

2.57

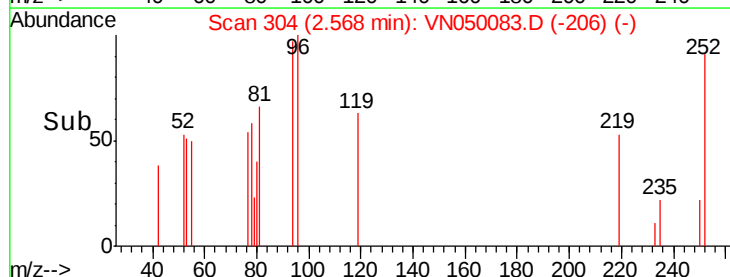
300

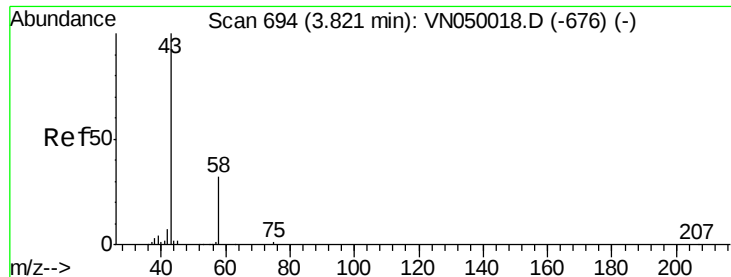
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

Instrument :

MSVOA_N

ClientSampled :

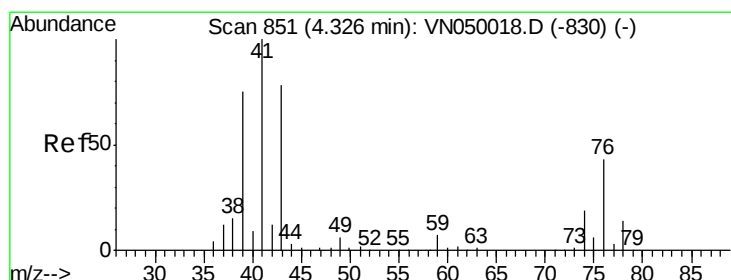
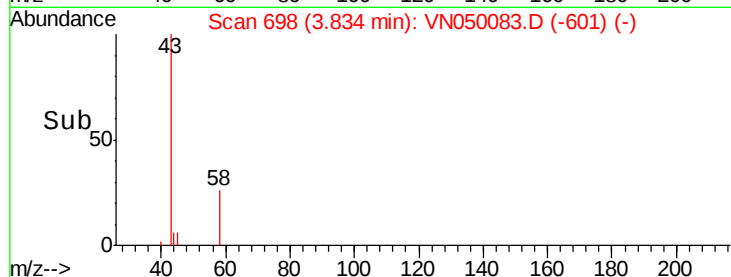
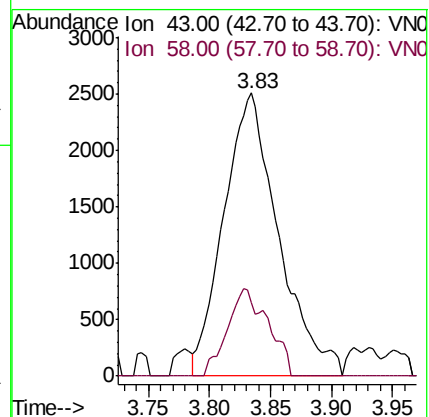
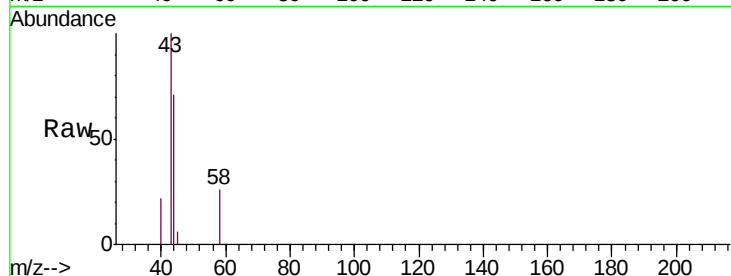
TRIPBLANK

Tot Ion: 43 Resp: 7820

Ion Ratio Lower Upper

43 100

58 26.1 25.8 38.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050083.D

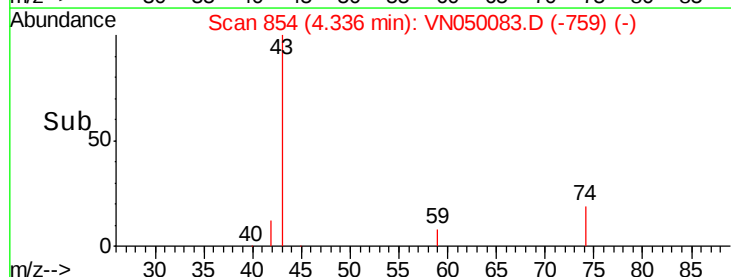
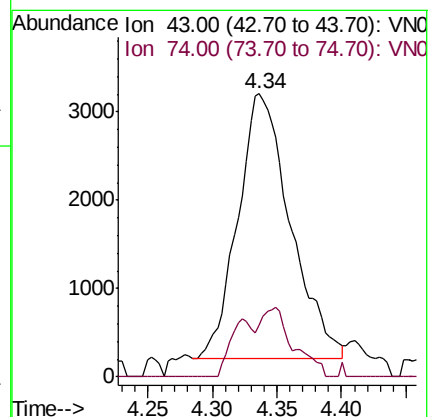
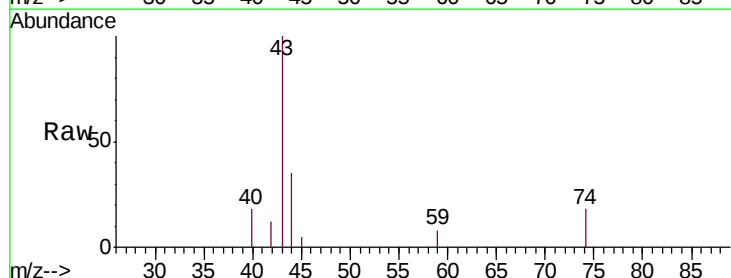
Acq: 26 Jul 2018 15:37

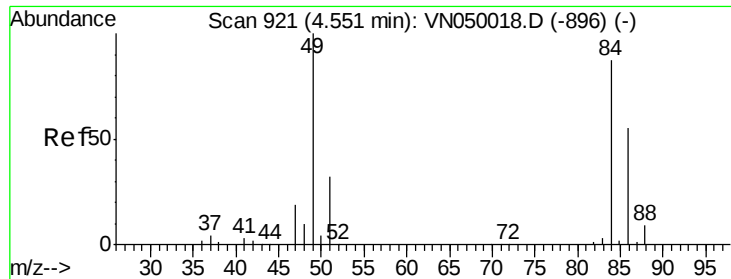
Tgt Ion: 43 Resp: 8529

Ion Ratio Lower Upper

43 100

74 16.3 19.2 28.8#

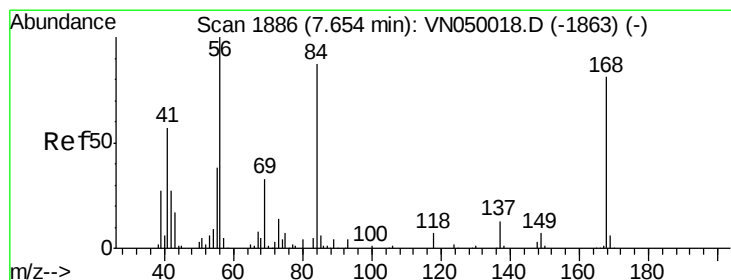
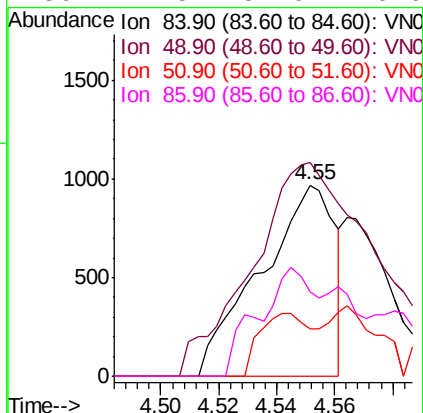
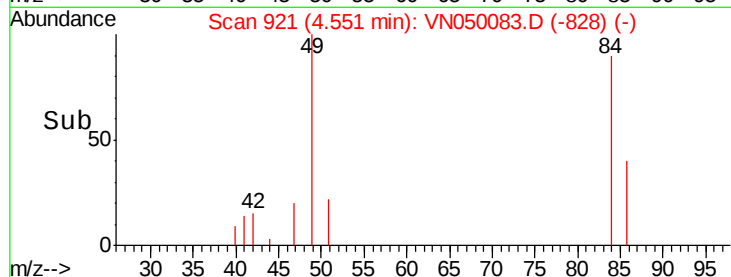
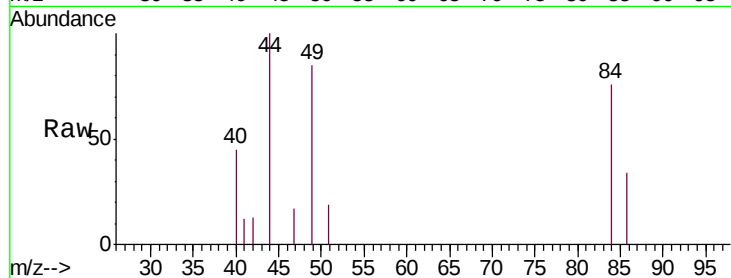




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050083.D
Acq: 26 Jul 2018 15:37

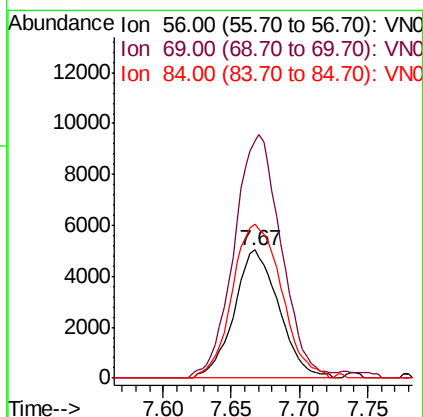
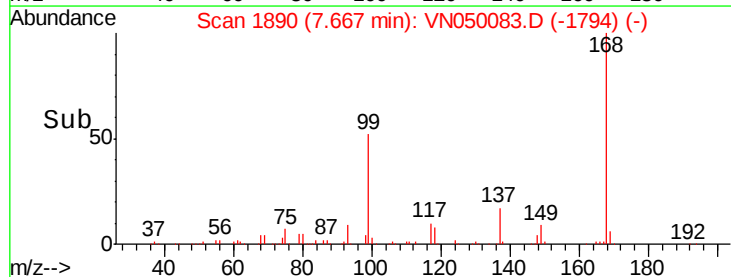
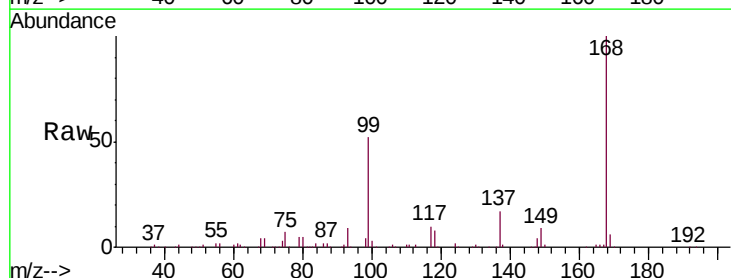
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

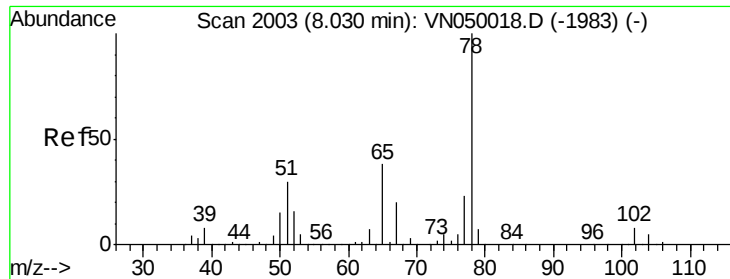
Tot Ion: 84 Resp: 1721
Ion Ratio Lower Upper
84 100
49 93.4 94.8 142.2#
51 25.1 28.3 42.5#
86 44.5 51.0 76.6#



#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050083.D
Acq: 26 Jul 2018 15:37

Tgt Ion: 56 Resp: 11534
Ion Ratio Lower Upper
56 100
69 185.9 26.2 39.4#
84 120.5 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.60 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

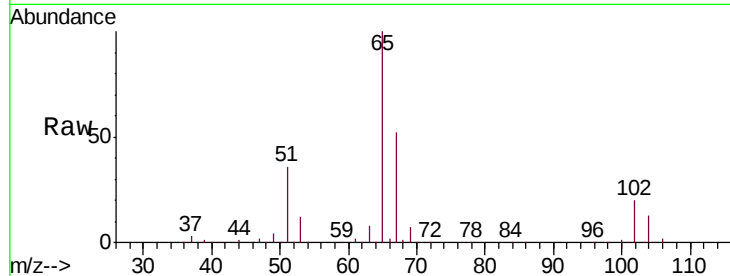
TRIPBLANK

Tot Ion: 65 Resp: 442790

Ion Ratio Lower Upper

65 100

67 52.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

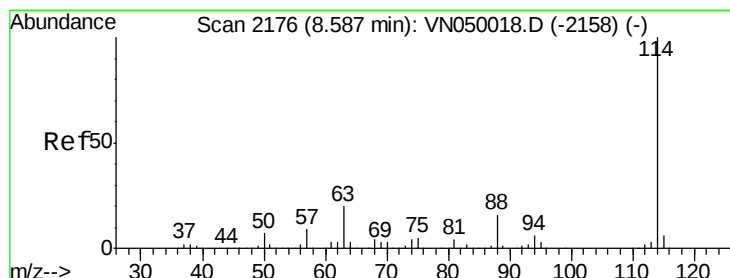
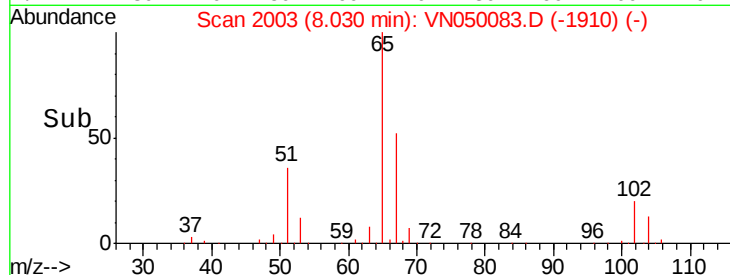
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

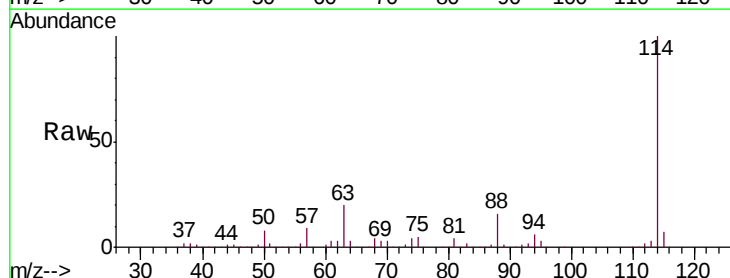
Tgt Ion:114 Resp: 1005926

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.7 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

8.59

600000

500000

400000

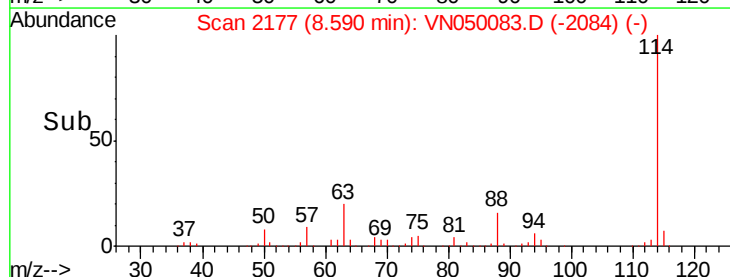
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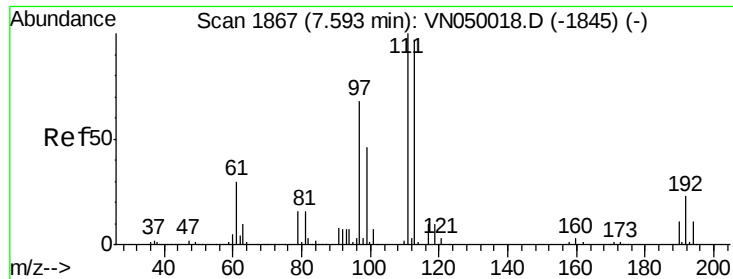
200000

100000

0

Time--> 8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 48.13 ug/l

RT: 7.60 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

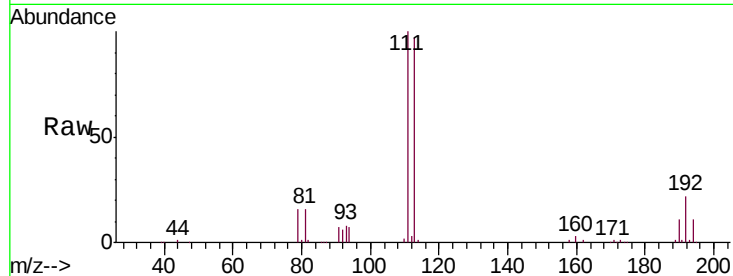
Tot Ion:113 Resp: 395324

Ion Ratio Lower Upper

113 100

111 102.9 80.7 121.1

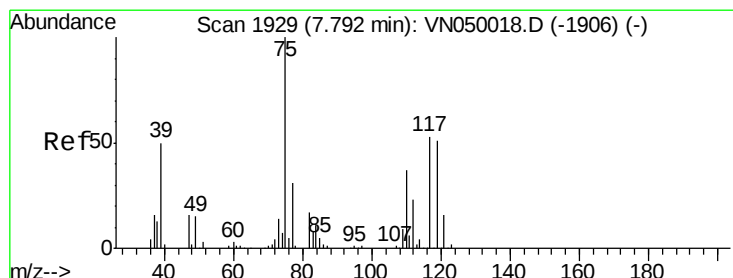
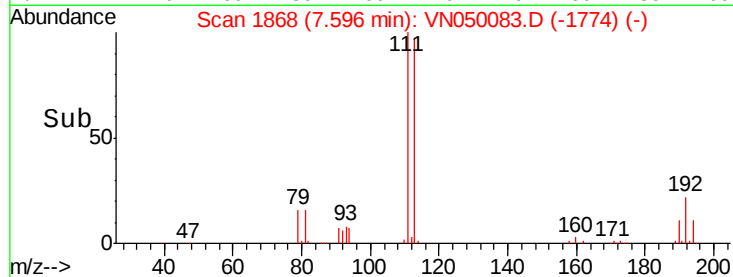
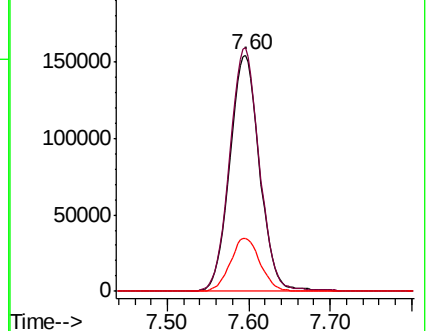
192 22.6 17.8 26.6



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: 3.88 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

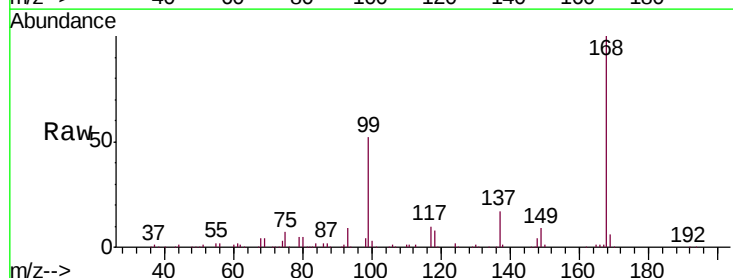
Tgt Ion: 75 Resp: 43983

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

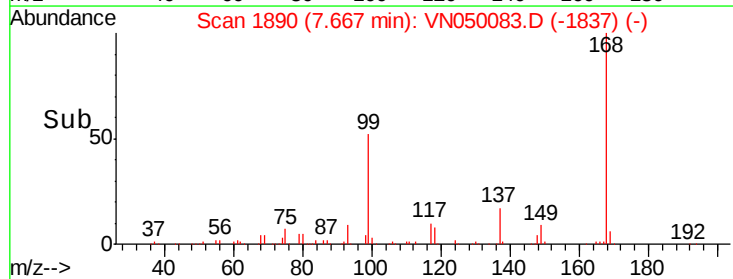
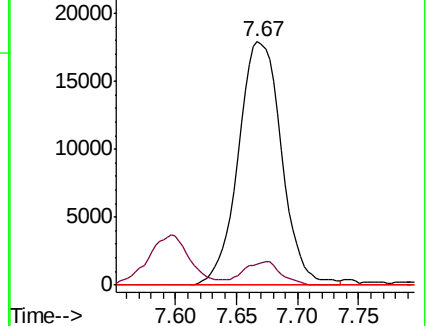
77 0.0 25.3 37.9#

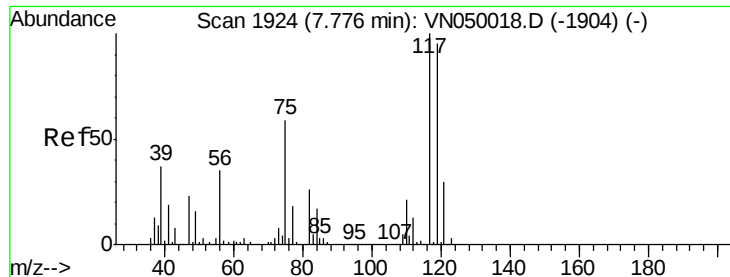


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.77 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

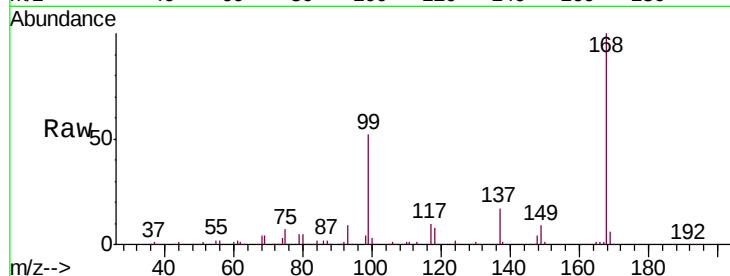
Tot Ion:117 Resp: 57378

Ion Ratio Lower Upper

117 100

119 5.2 77.4 116.0#

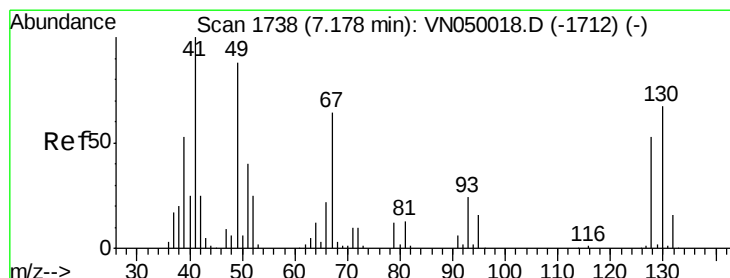
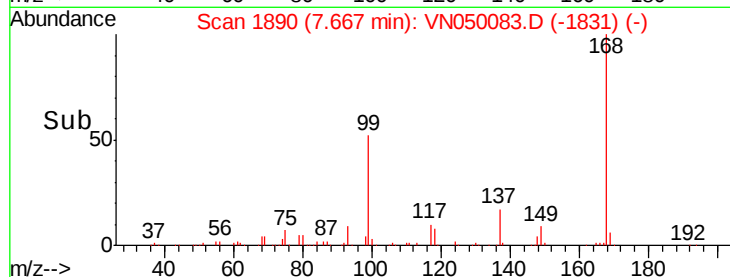
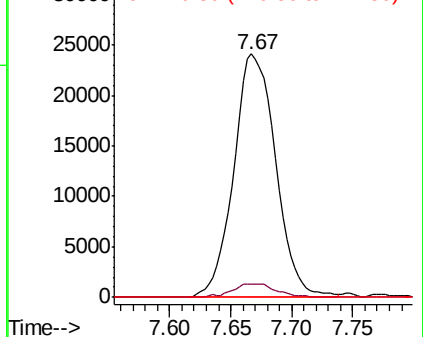
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 2.78 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.05 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

Tgt Ion: 41 Resp: 132

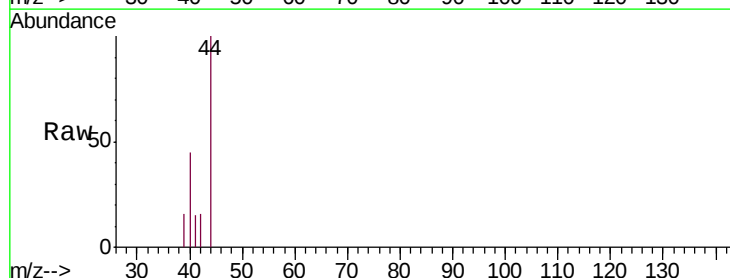
Ion Ratio Lower Upper

41 100

39 89.4 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

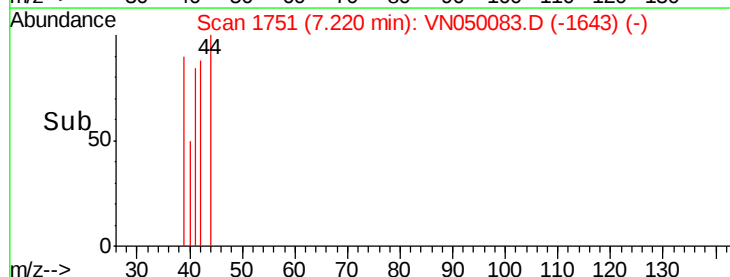
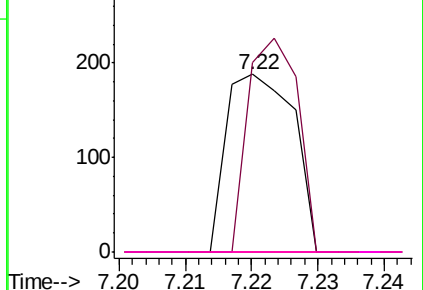


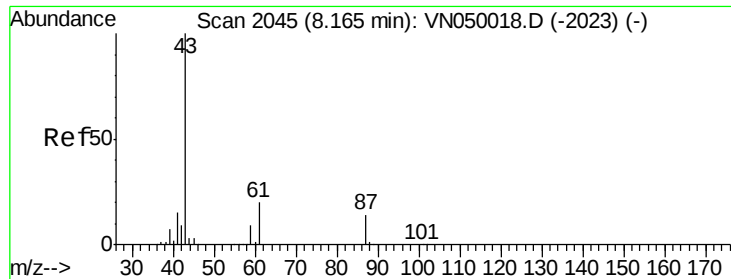
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 7.39 ug/l

RT: 8.27 min Scan# 2076

Delta R.T. 0.10 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

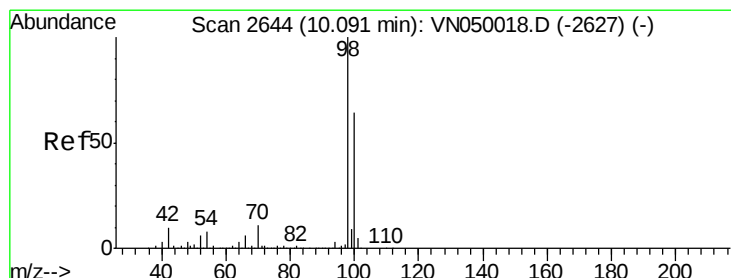
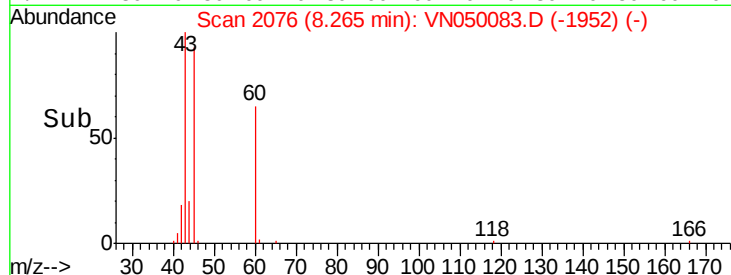
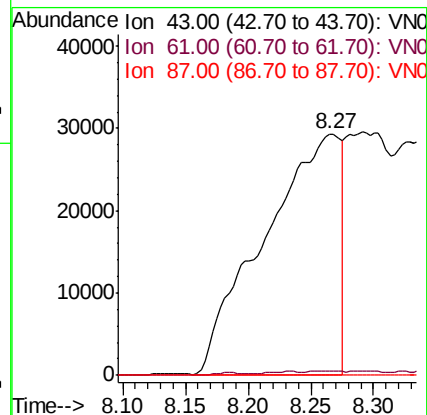
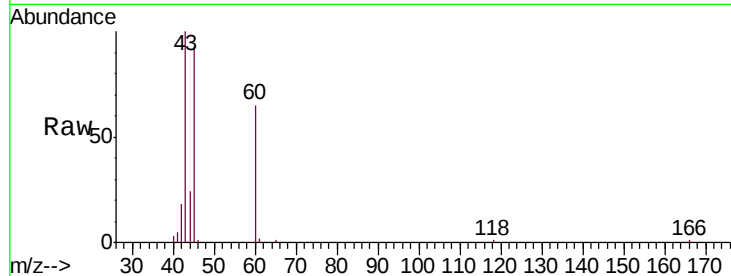
Tot Ion: 43 Resp: 124491

Ion Ratio Lower Upper

43 100

61 0.3 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.09 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050083.D

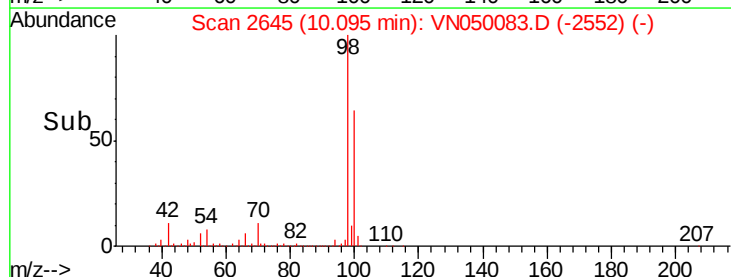
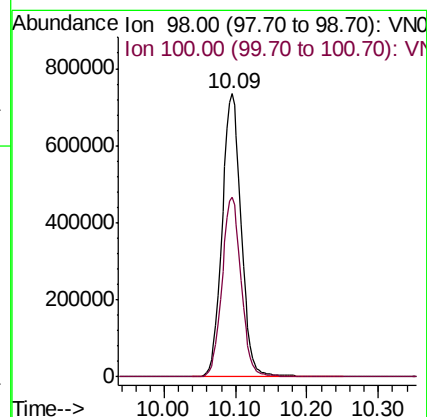
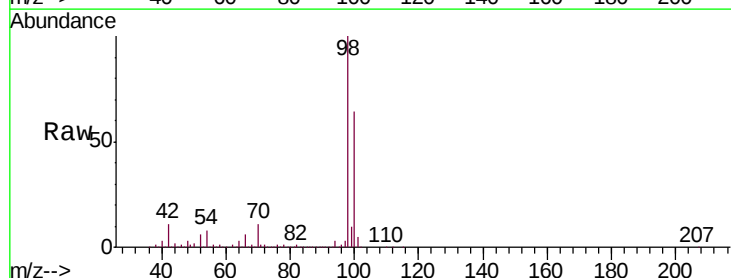
Acq: 26 Jul 2018 15:37

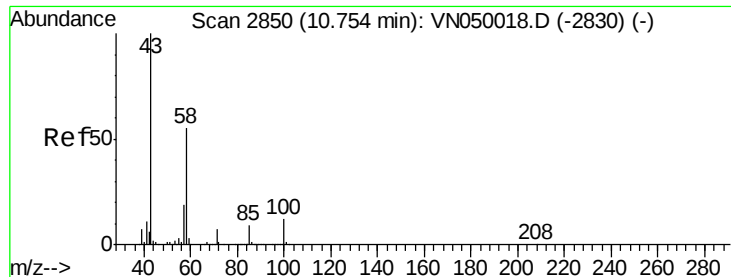
Tgt Ion: 98 Resp: 1361437

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1

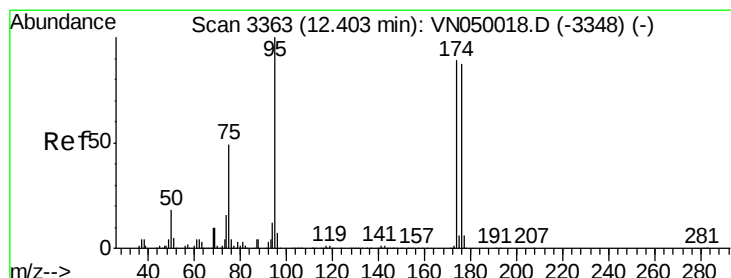
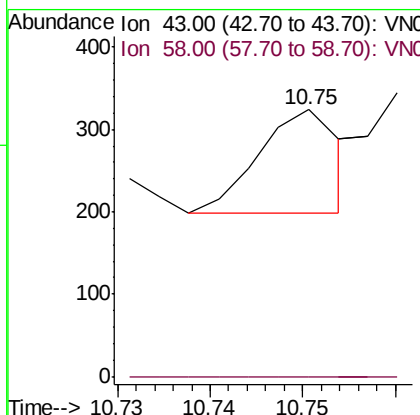
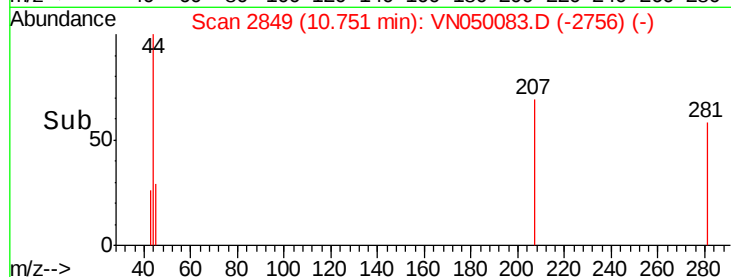
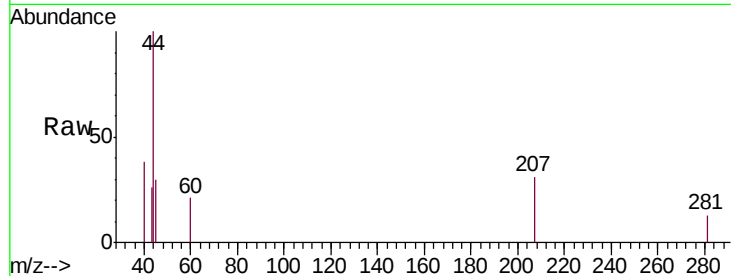




#59
2-Hexanone
Concen: 5.19 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050083.D
Acq: 26 Jul 2018 15:37

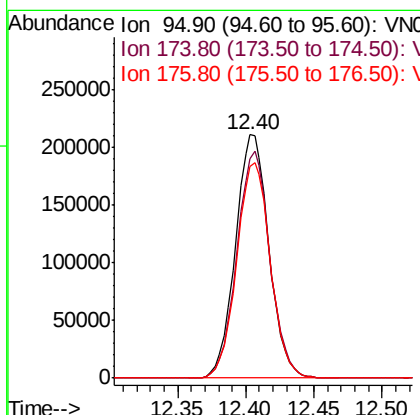
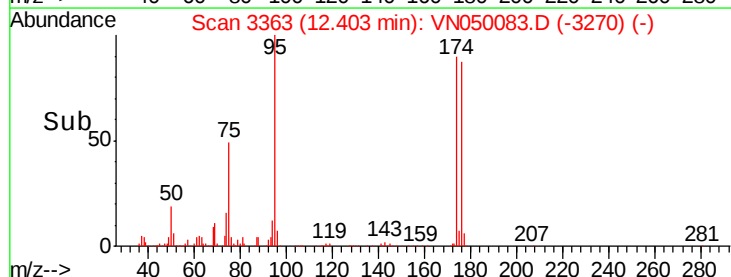
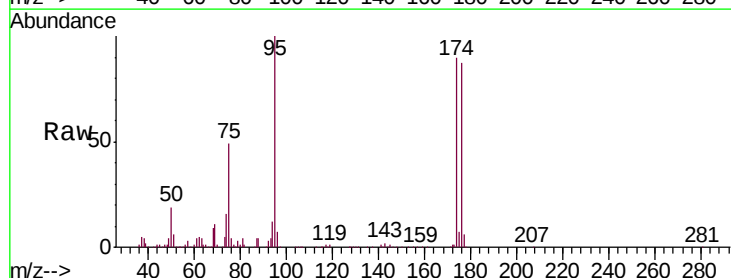
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

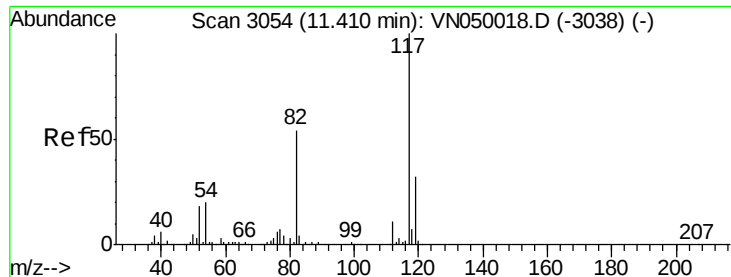
Tot Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 36.02 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050083.D
Acq: 26 Jul 2018 15:37

Tgt Ion: 95 Resp: 358103
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.2
176 89.1 0.0 173.4

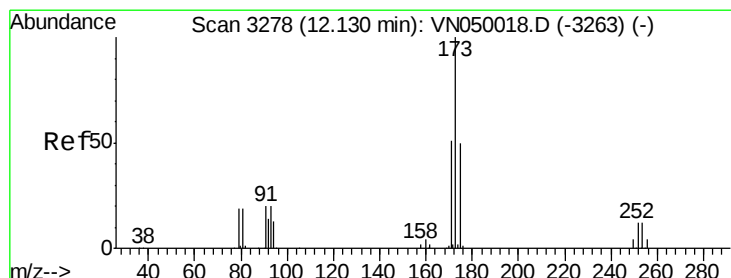
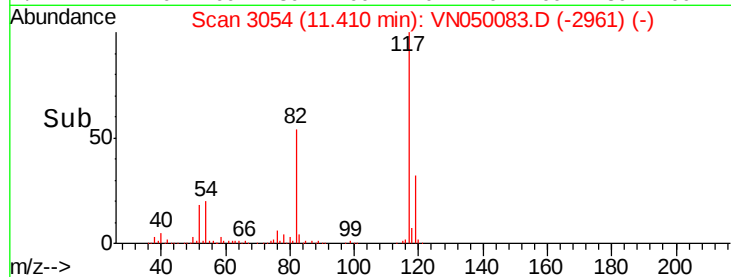
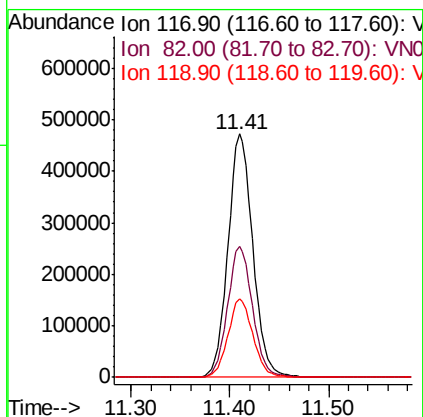
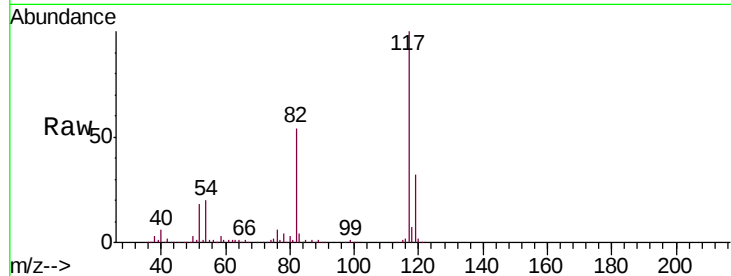




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050083.D
Acq: 26 Jul 2018 15:37

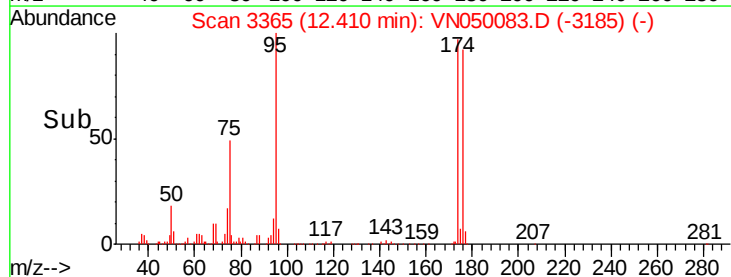
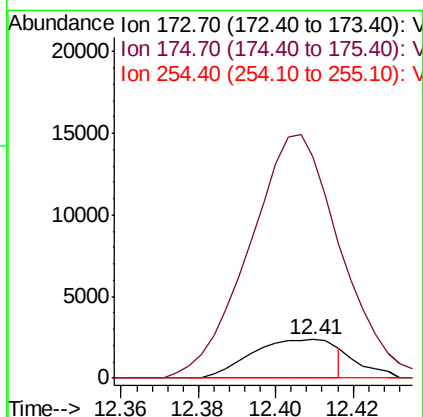
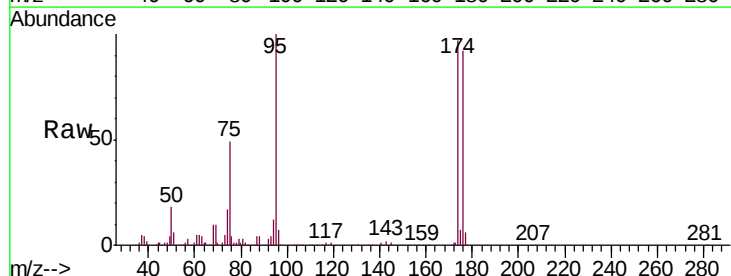
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

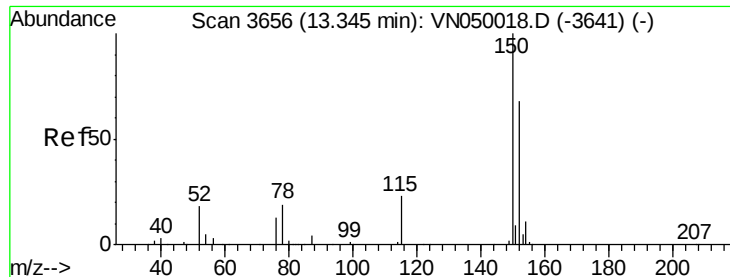
Tot Ion:117 Resp: 831937
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.2 26.1 39.1



#71
Bromoform
Concen: 0.61 ug/l
RT: 12.41 min Scan# 3365
Delta R.T. 0.28 min
Lab File: VN050083.D
Acq: 26 Jul 2018 15:37

Tgt Ion:173 Resp: 3581
Ion Ratio Lower Upper
173 100
175 594.9 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

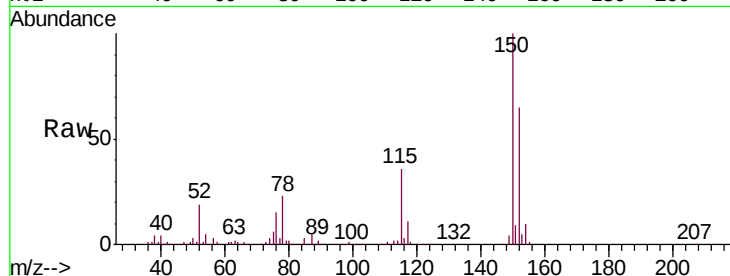
Tot Ion:152 Resp: 293022

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

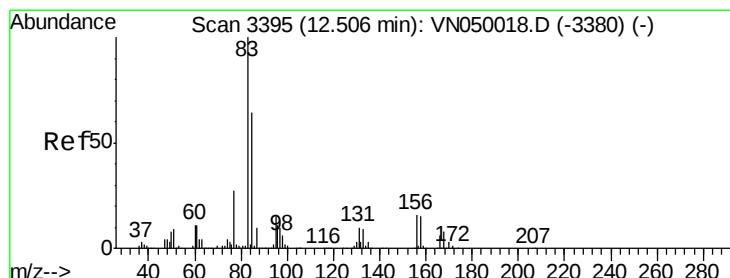
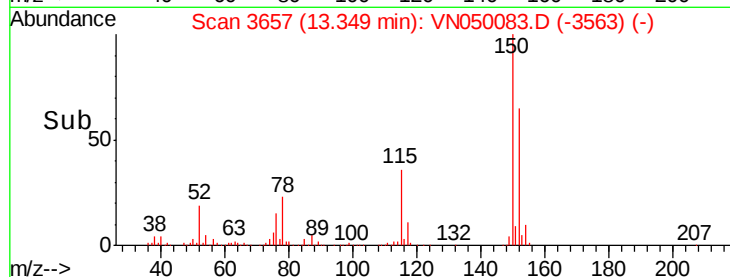
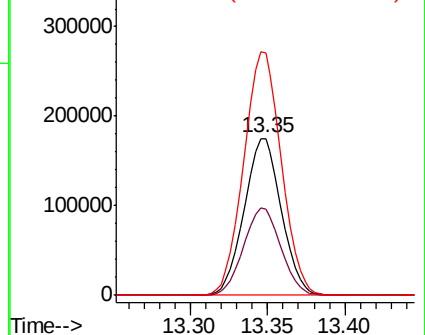
150 157.2 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3366

Delta R.T. -0.09 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

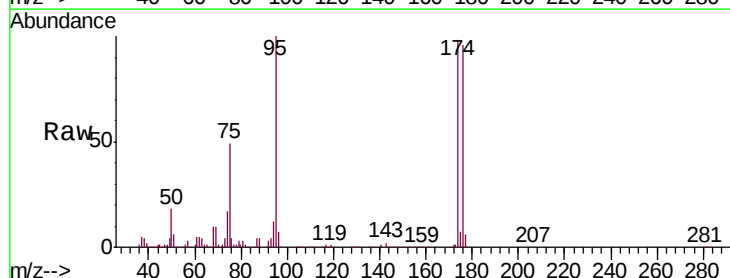
Tgt Ion: 83 Resp: 103

Ion Ratio Lower Upper

83 100

131 459.2 5.1 15.3#

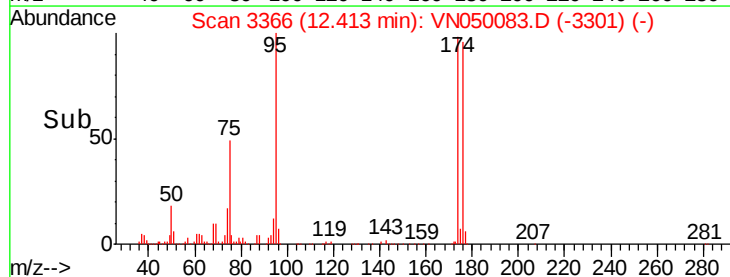
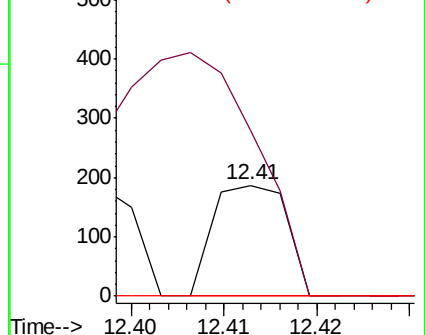
85 0.0 32.3 96.8#

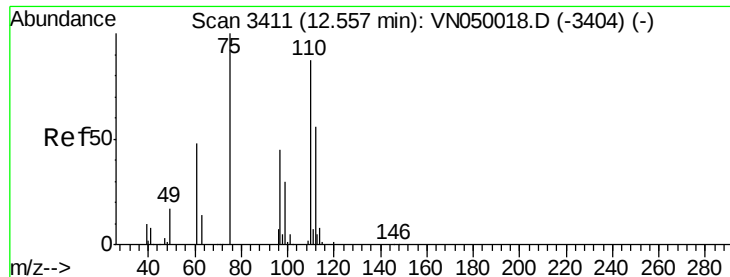


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 32.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

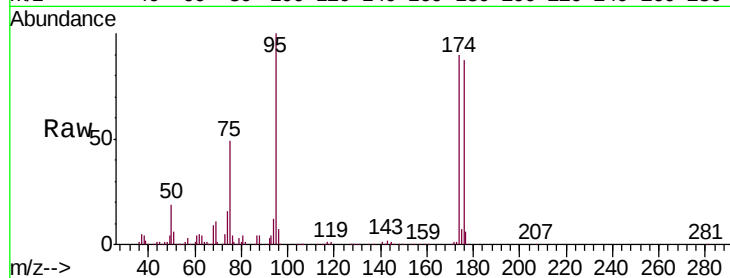
TRIPBLANK

Tot Ion: 75 Resp: 176800

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

120000

100000

80000

60000

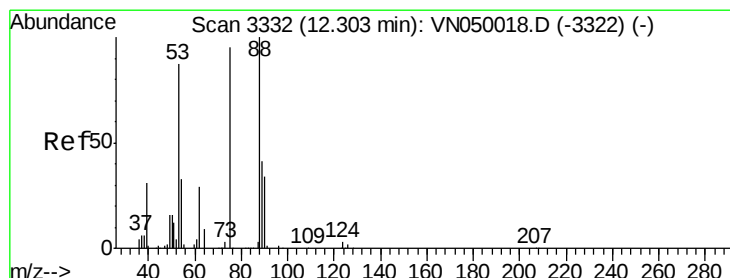
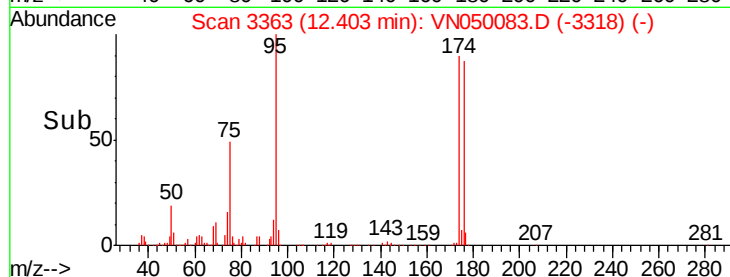
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 102.98 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

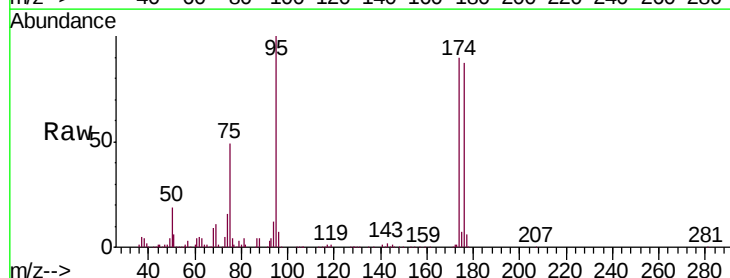
Tgt Ion: 75 Resp: 176800

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

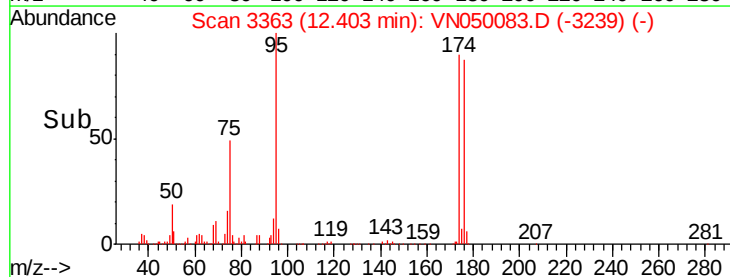
100000

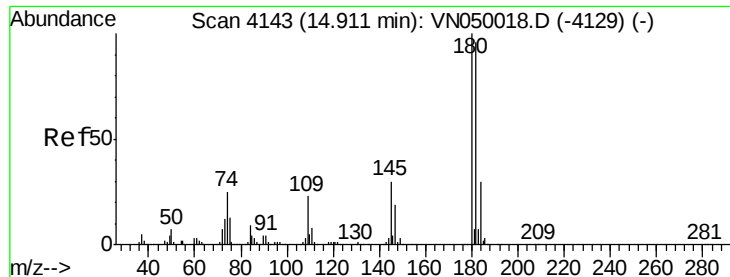
50000

0

12.35 12.40 12.45

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 3.10 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

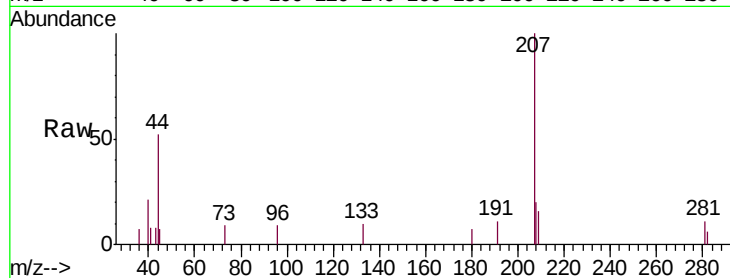
Tot Ion:180 Resp: 98

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

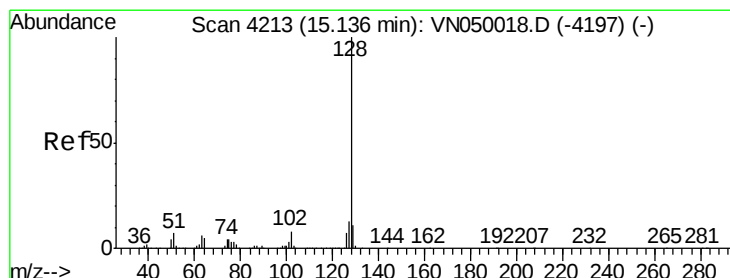
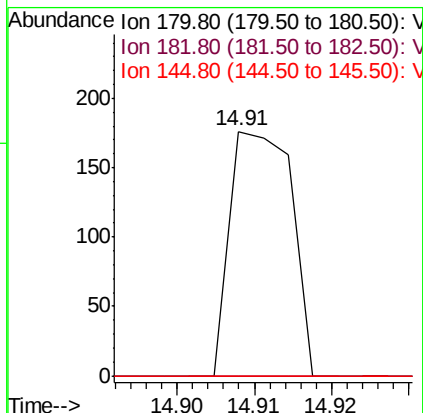
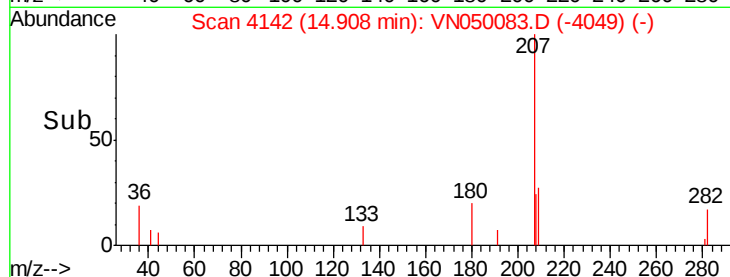
145 0.0 13.8 41.4#



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: 4.44 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050083.D

Acq: 26 Jul 2018 15:37

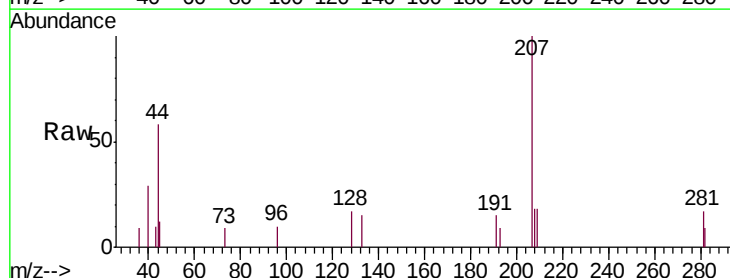
Tgt Ion:128 Resp: 292

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

