

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050189.D
 Acq On : 30 Jul 2018 15:58
 Operator : MD\SY
 Sample : J4221-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Quant Time: Jul 31 01:12:19 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	684804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1107806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	903094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326903	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	463538	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	7.59	113	417836	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
50) Toluene-d8	10.09	98	1497369	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	
62) 4-Bromofluorobenzene	12.40	95	406226	37.10	ug/l	0.00
Spiked Amount			Recovery	=	74.20%	

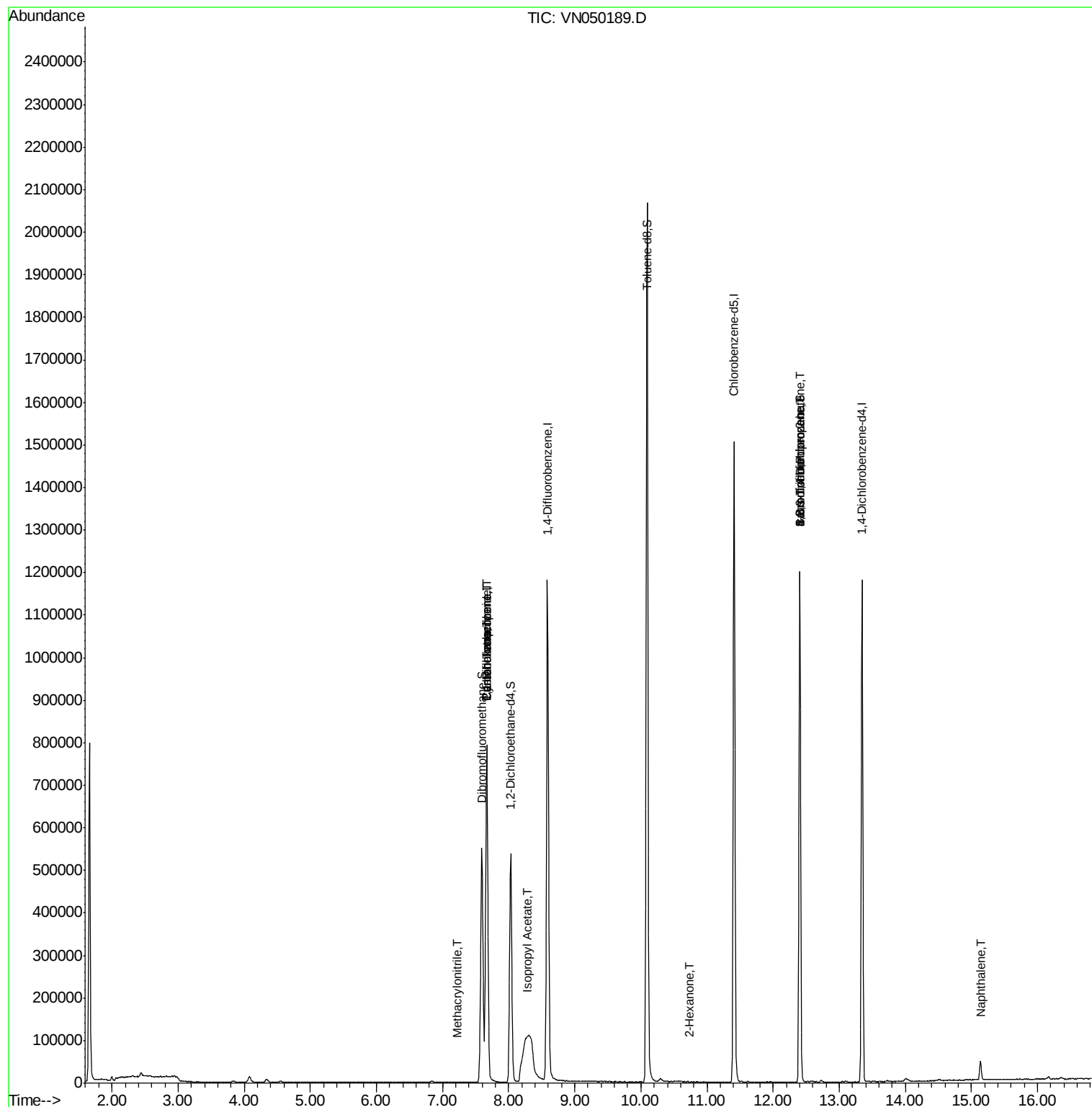
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	168	Below Cal	#	3
16) Acetone	3.83	43	4975	Below Cal	#	93
20) Methylene Chloride	4.55	84	1347	Below Cal	#	69
31) Cyclohexane	7.67	56	12070	0.85	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	47632	3.82	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	61578	4.65	ug/l	# 16
41) Methacrylonitrile	7.23	41	337	2.82	ug/l	# 14
43) Isopropyl Acetate	8.26	43	150085	8.20	ug/l	# 61
59) 2-Hexanone	10.74	43	180	5.20	ug/l	# 24
71) Bromoform	12.40	173	4125	0.65	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.41	83	156	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	194699	32.05	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	194699	101.65	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.50	75	127	Below Cal	#	1
95) Naphthalene	15.14	128	38569	6.77	ug/l	97

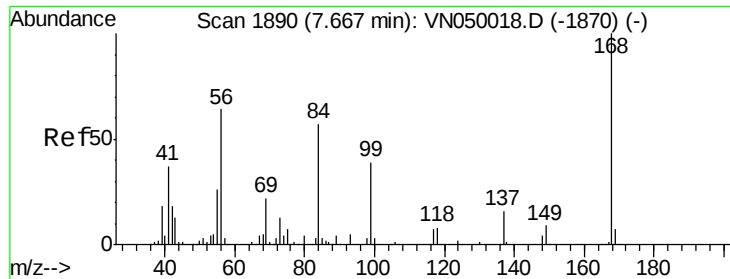
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
Data File : VN050189.D
Acq On : 30 Jul 2018 15:58
Operator : MD\SY
Sample : J4221-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Quant Time: Jul 31 01:12:19 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VN050189.D

Acq: 30 Jul 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

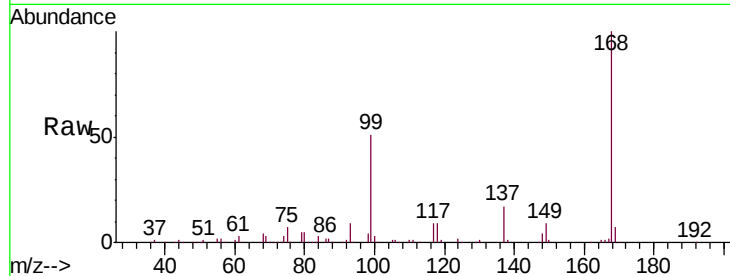
TRIPBLANK

Tot Ion:168 Resp: 684804

Ion Ratio Lower Upper

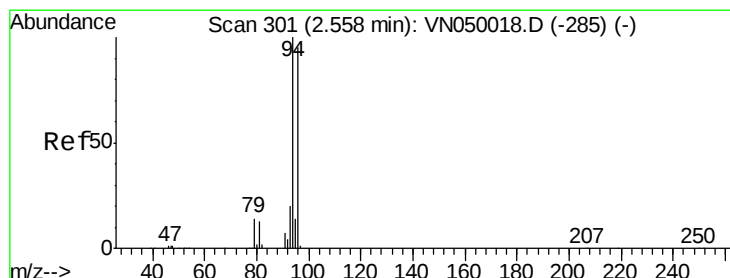
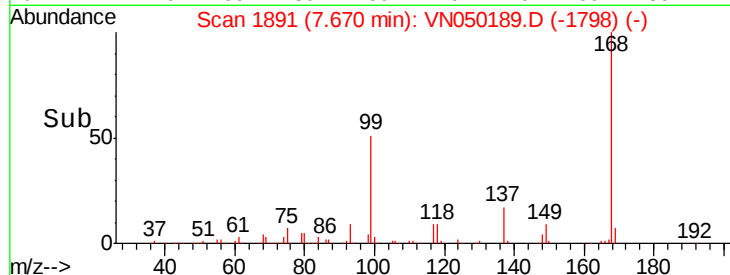
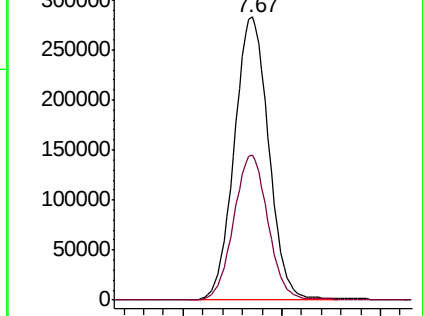
168 100

99 51.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 296

Delta R.T. -0.01 min

Lab File: VN050189.D

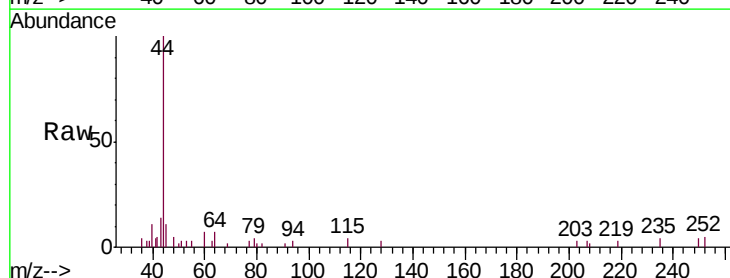
Acq: 30 Jul 2018 15:58

Tgt Ion: 94 Resp: 168

Ion Ratio Lower Upper

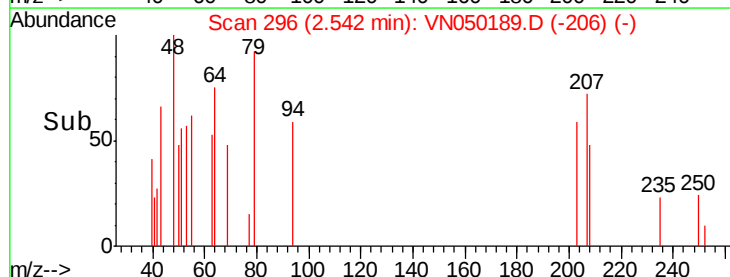
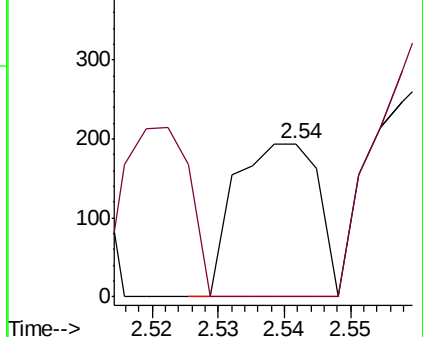
94 100

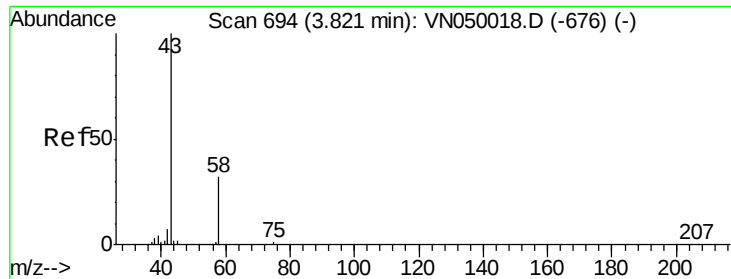
96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN050189.D

Acq: 30 Jul 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

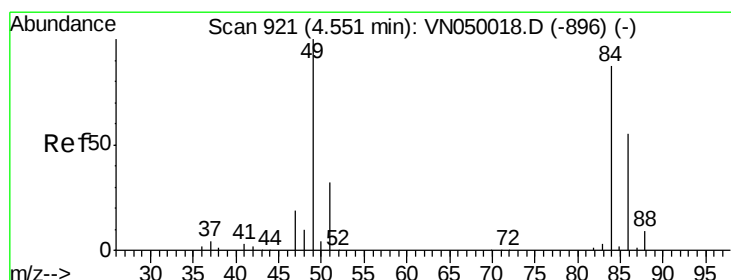
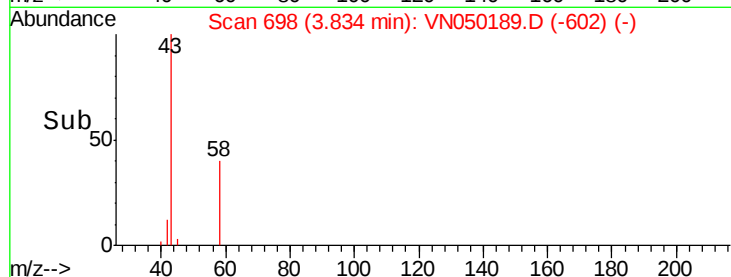
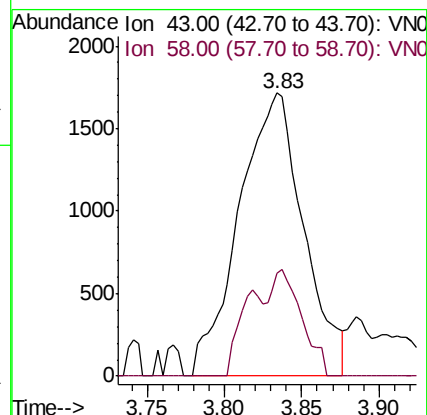
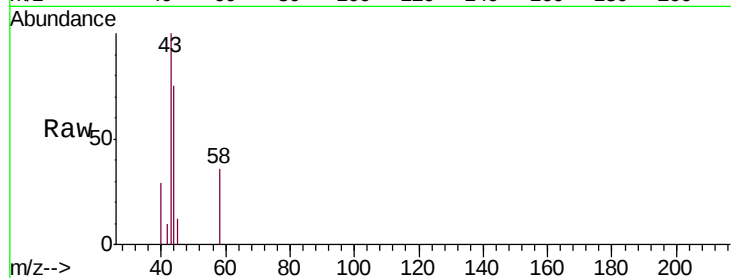
TRIPBLANK

Tot Ion: 43 Resp: 4975

Ion Ratio Lower Upper

43 100

58 36.2 25.8 38.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050189.D

Acq: 30 Jul 2018 15:58

Tgt Ion: 84 Resp: 1347

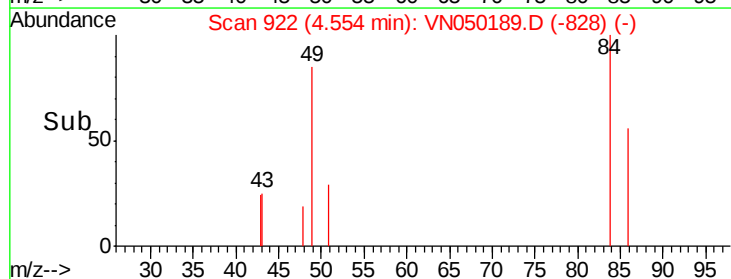
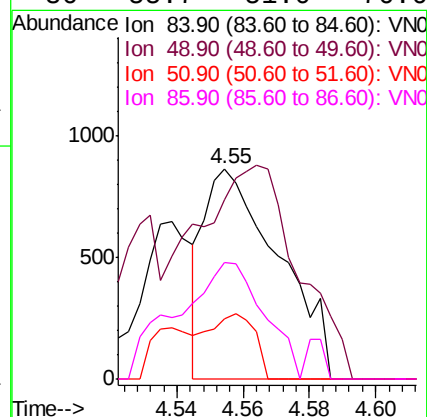
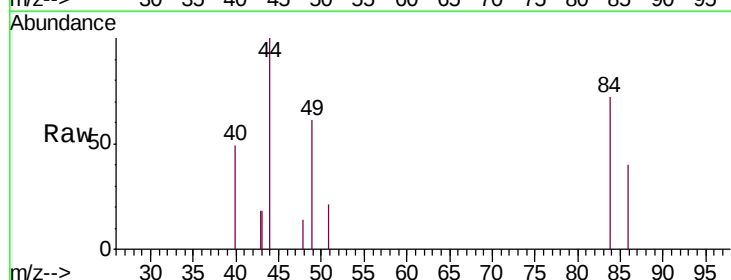
Ion Ratio Lower Upper

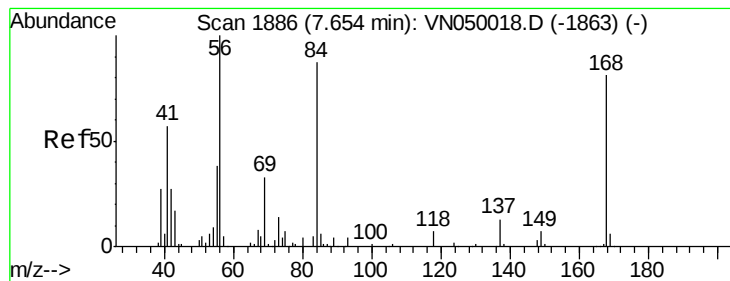
84 100

49 65.9 94.8 142.2#

51 28.9 28.3 42.5

86 55.7 51.0 76.6





#31

Cyclohexane

Concen: 0.85 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050189.D

Acq: 30 Jul 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

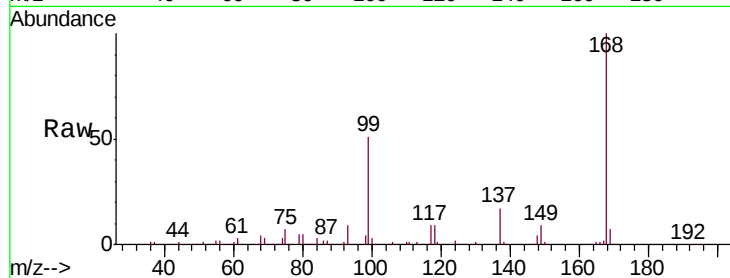
Tot Ion: 56 Resp: 12070

Ion Ratio Lower Upper

56 100

69 186.8 26.2 39.4#

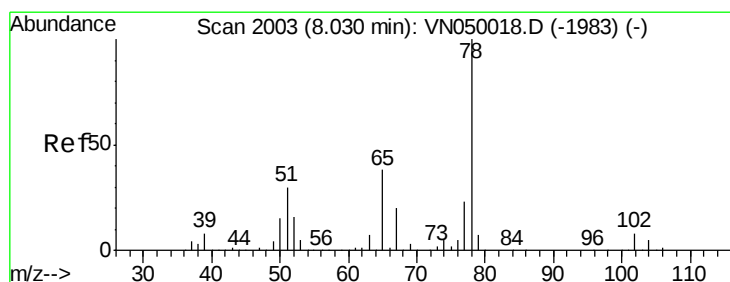
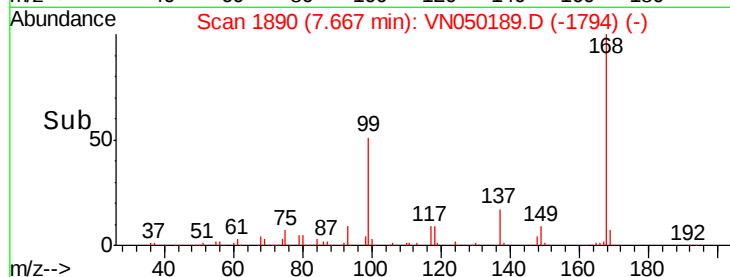
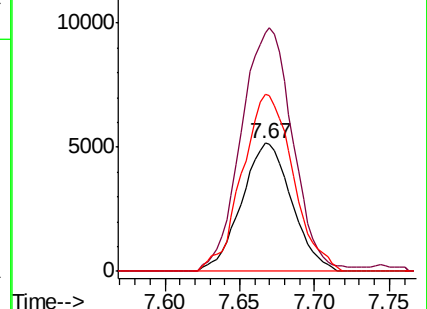
84 138.4 67.4 101.0#



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: 48.51 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050189.D

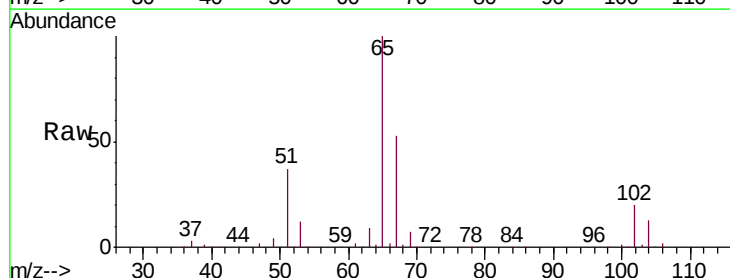
Acq: 30 Jul 2018 15:58

Tgt Ion: 65 Resp: 463538

Ion Ratio Lower Upper

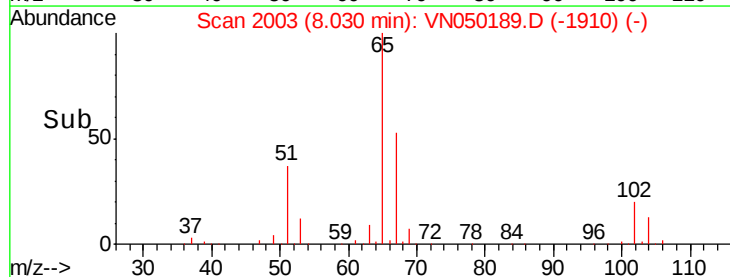
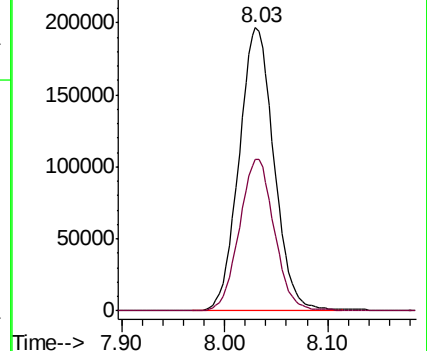
65 100

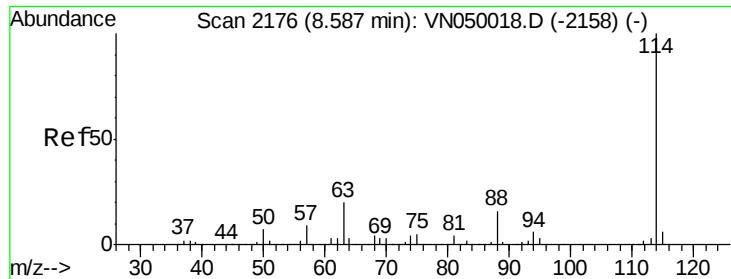
67 53.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

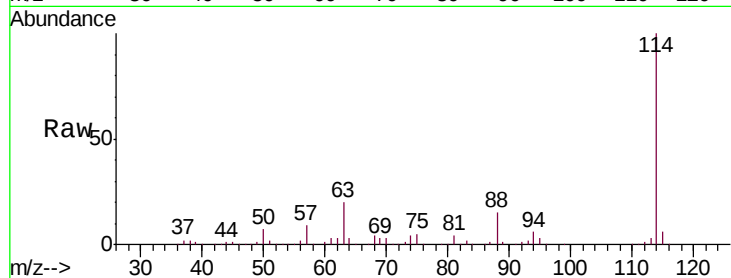




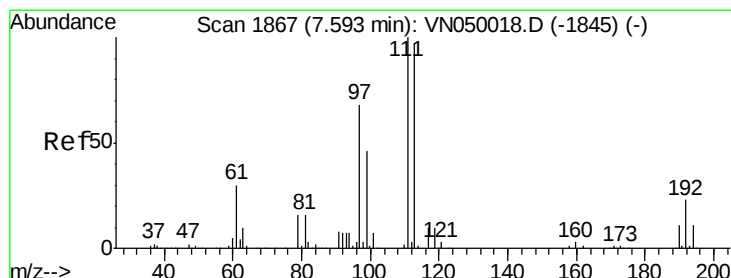
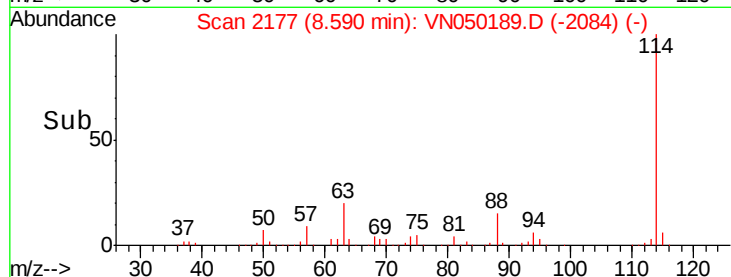
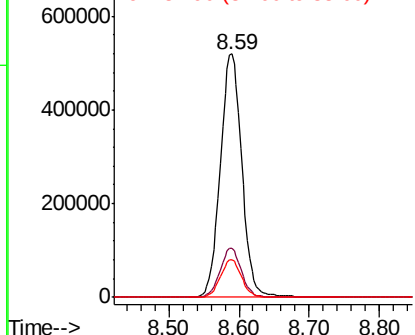
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VN050189.D
 Acq: 30 Jul 2018 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Tot Ion:114 Resp: 1107806
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.4 0.0 31.2

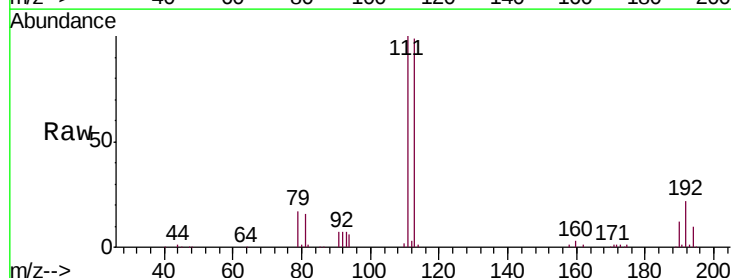


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

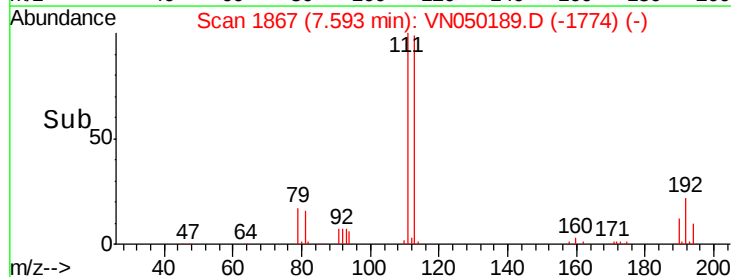
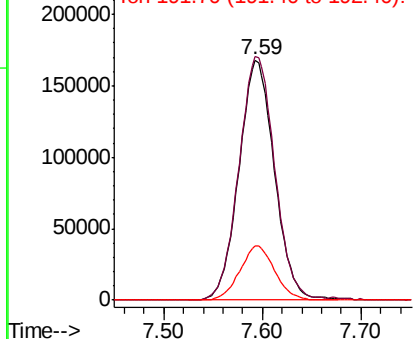


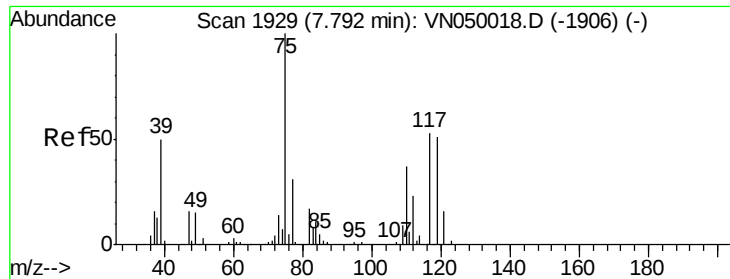
#35
 Dibromofluoromethane
 Concen: 46.20 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050189.D
 Acq: 30 Jul 2018 15:58

Tgt Ion:113 Resp: 417836
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.7 121.1
 192 22.2 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

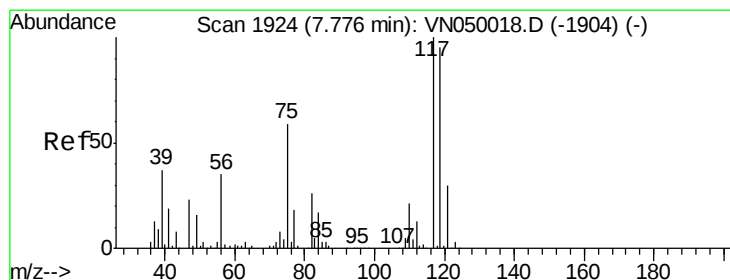
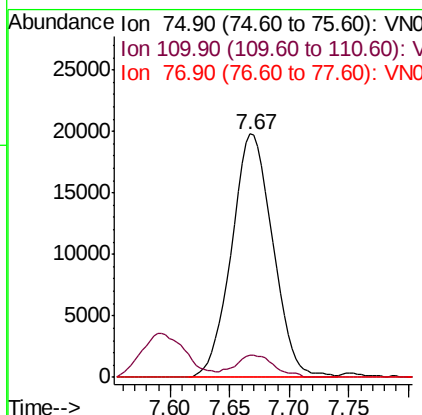
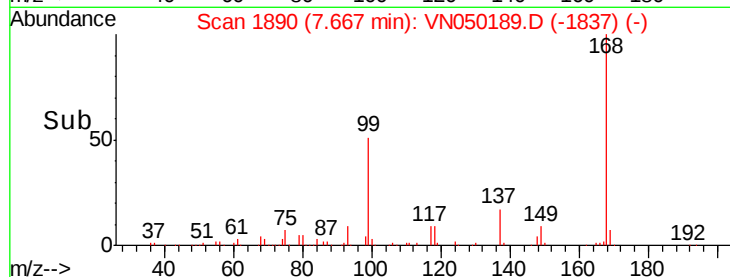
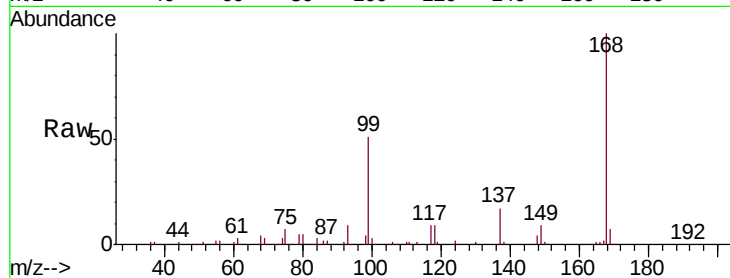




#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050189.D
 Acq: 30 Jul 2018 15:58

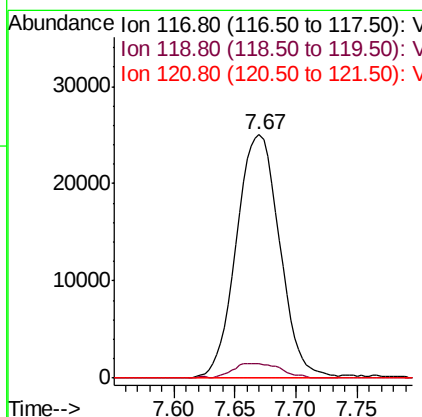
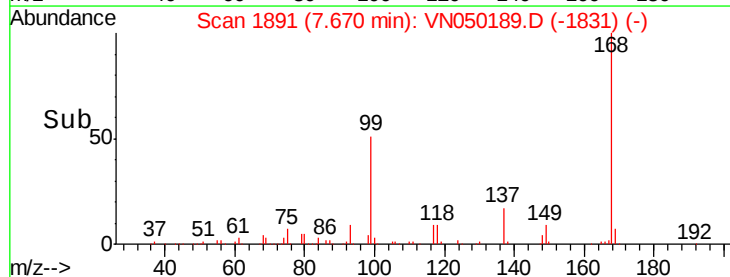
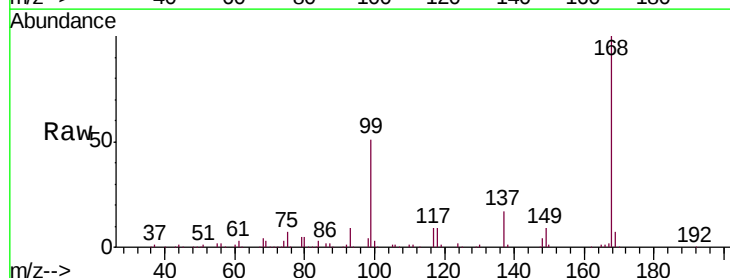
Instrument :
 MSVOA_N
 ClientSampled :
 TRIPBLANK

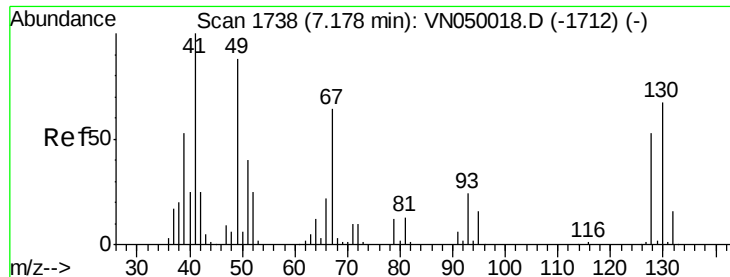
Tot Ion: 75 Resp: 47632
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.65 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050189.D
 Acq: 30 Jul 2018 15:58

Tgt Ion: 117 Resp: 61578
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.4 116.0#
 121 0.0 23.9 35.9#

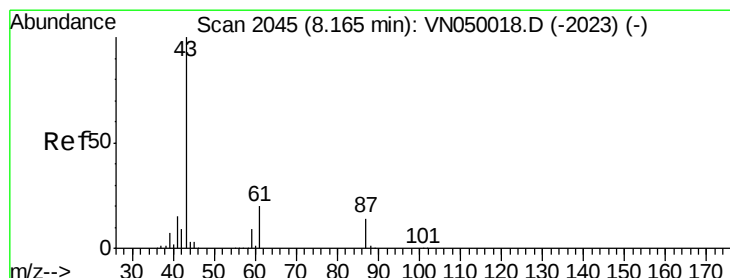
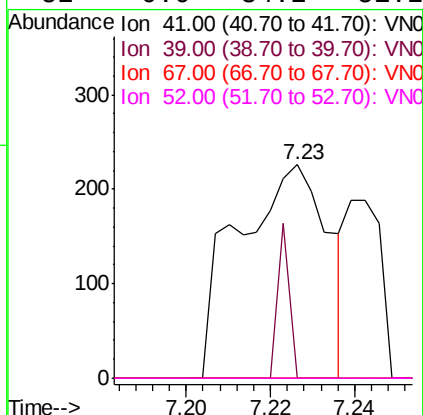
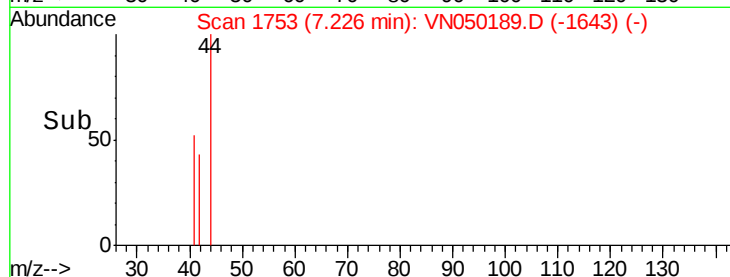
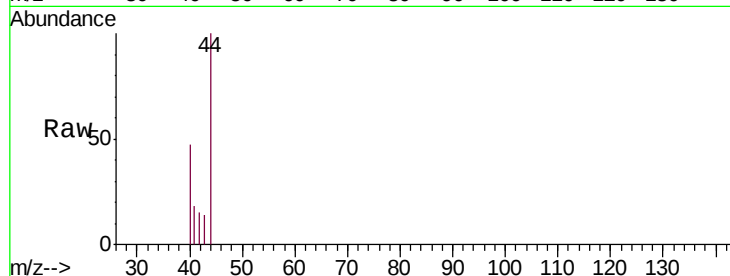




#41
Methacrylonitrile
Concen: 2.82 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.05 min
Lab File: VN050189.D
Acq: 30 Jul 2018 15:58

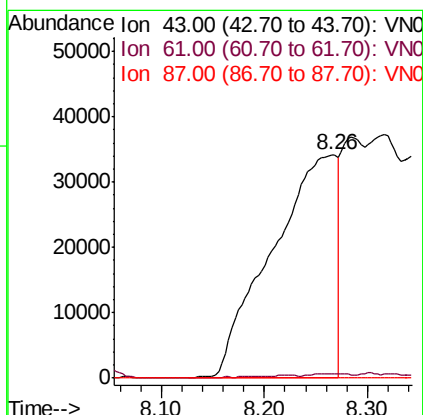
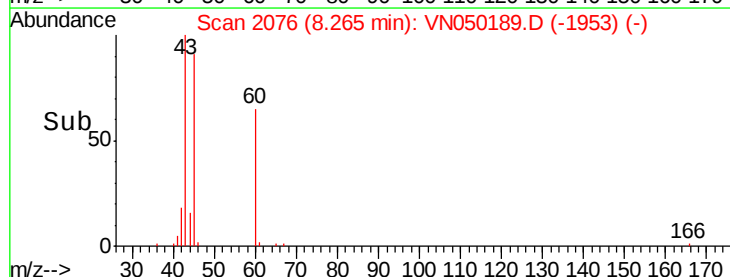
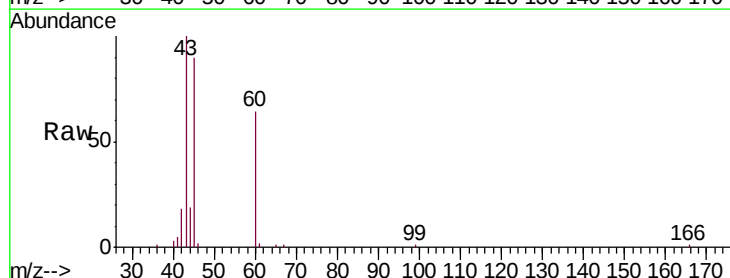
Instrument :
MSVOA_N
ClientSampled :
TRIPBLANK

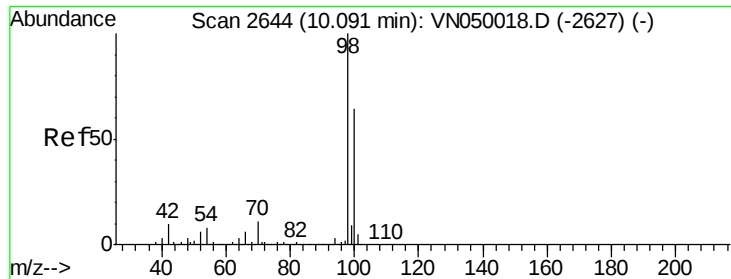
Tot Ion: 41 Resp: 337
Ion Ratio Lower Upper
41 100
39 9.5 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 8.20 ug/l
RT: 8.26 min Scan# 2076
Delta R.T. 0.10 min
Lab File: VN050189.D
Acq: 30 Jul 2018 15:58

Tgt Ion: 43 Resp: 150085
Ion Ratio Lower Upper
43 100
61 0.3 15.8 23.6#
87 0.0 10.3 15.5#

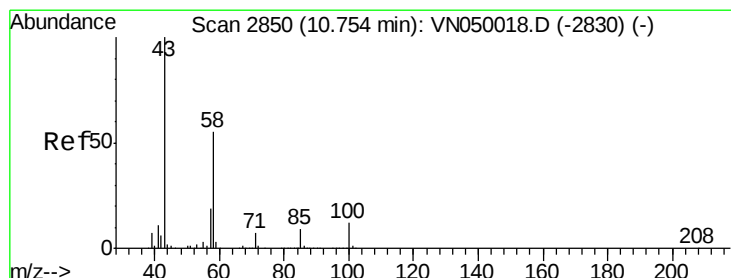
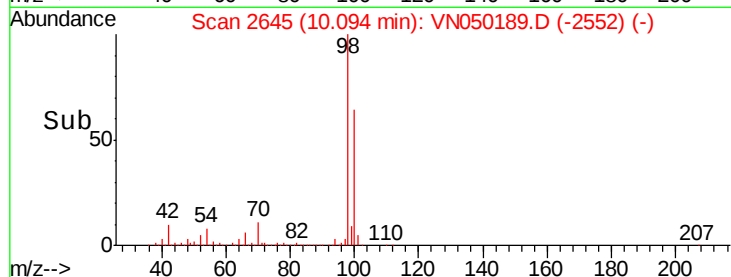
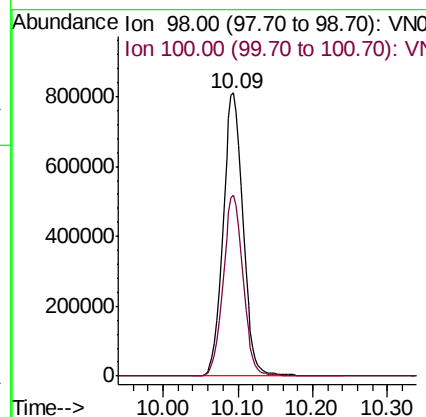
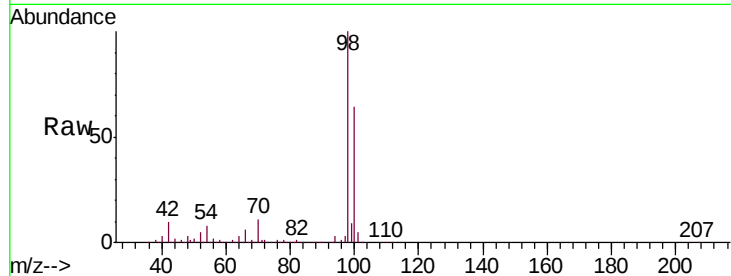




#50
Toluene-d8
Concen: 45.03 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VN050189.D
Acq: 30 Jul 2018 15:58

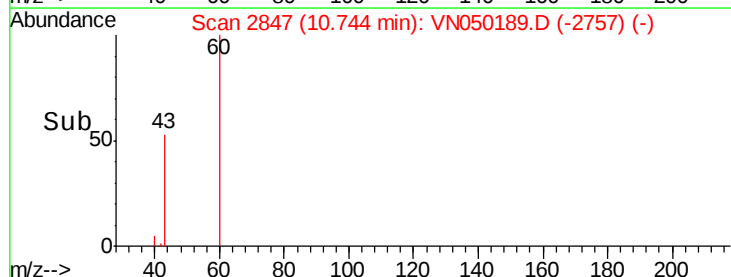
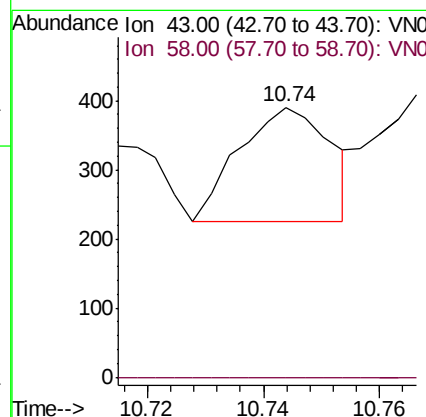
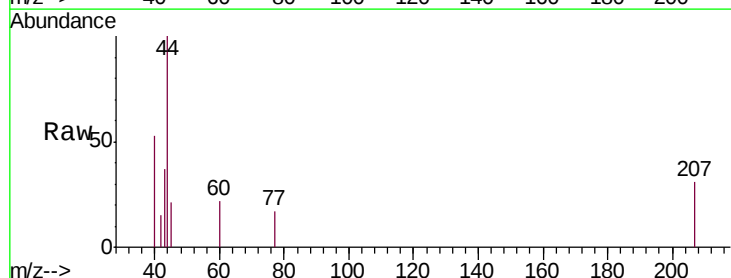
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

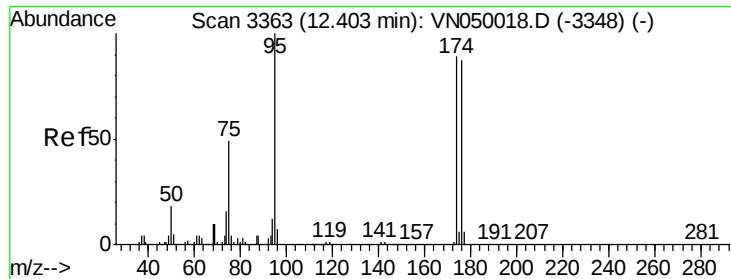
Tot Ion: 98 Resp: 1497369
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



#59
2-Hexanone
Concen: 5.20 ug/l
RT: 10.74 min Scan# 2847
Delta R.T. -0.01 min
Lab File: VN050189.D
Acq: 30 Jul 2018 15:58

Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#

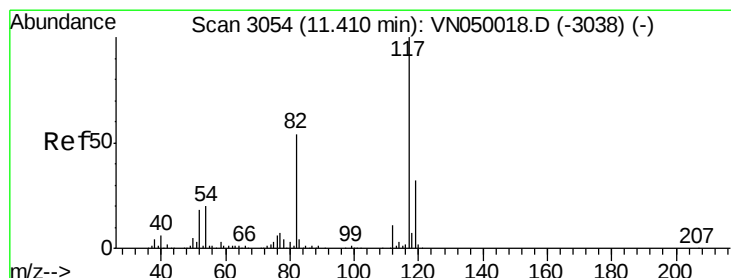
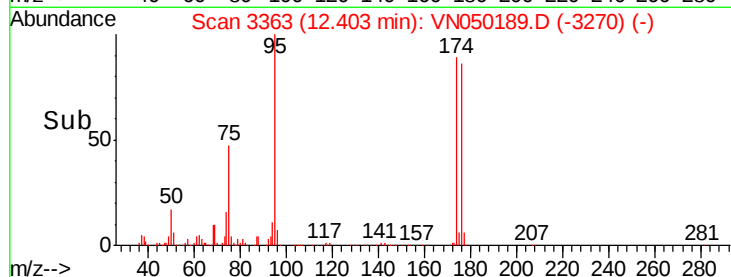
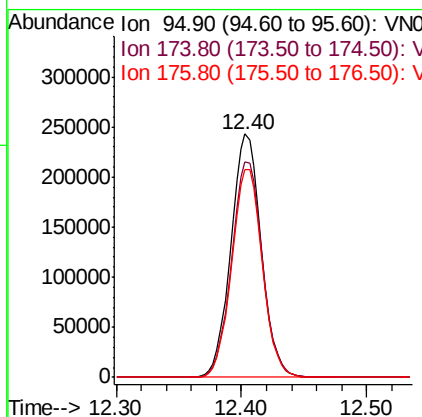
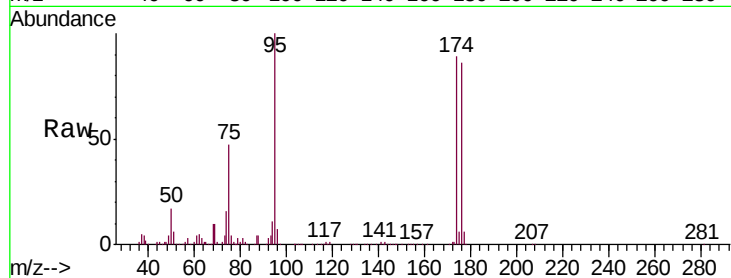




#62
4-Bromofluorobenzene
Concen: 37.10 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050189.D
Acq: 30 Jul 2018 15:58

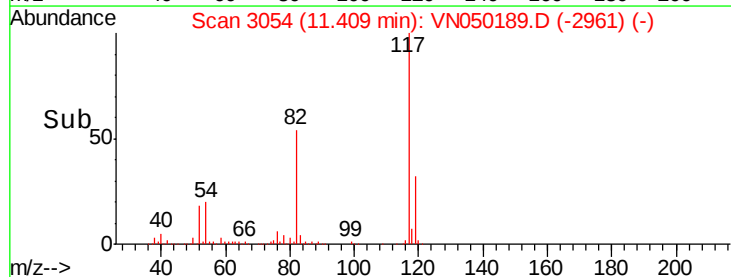
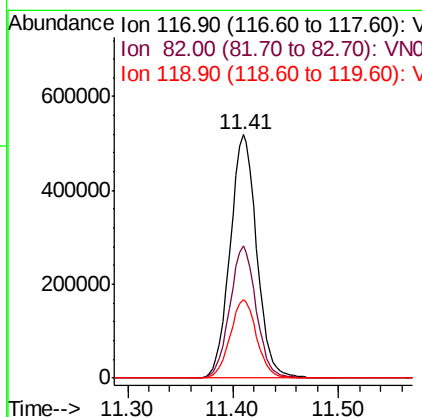
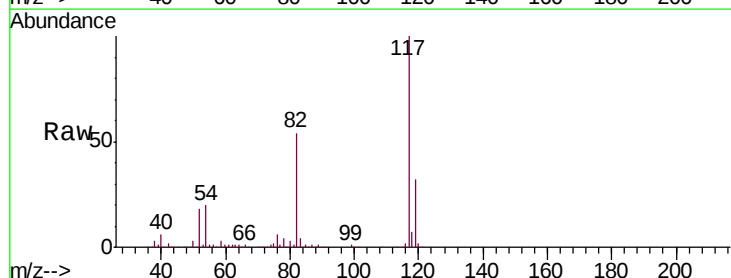
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

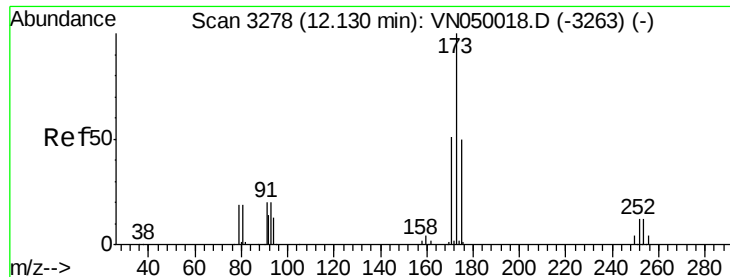
Tot Ion: 95 Resp: 406226
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.2
176 86.7 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050189.D
Acq: 30 Jul 2018 15:58

Tgt Ion: 117 Resp: 903094
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 32.2 26.1 39.1





#71

Bromoform

Concen: 0.65 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050189.D

Acq: 30 Jul 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

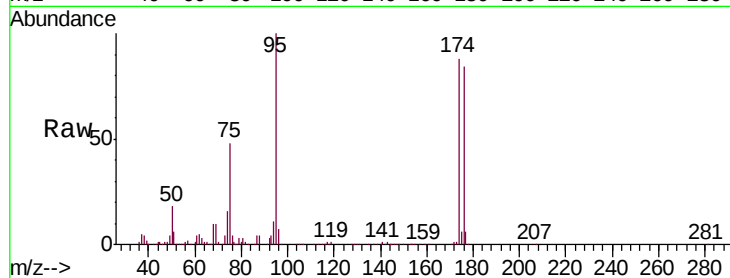
Tot Ion:173 Resp: 4125

Ion Ratio Lower Upper

173 100

175 567.2 24.1 72.2#

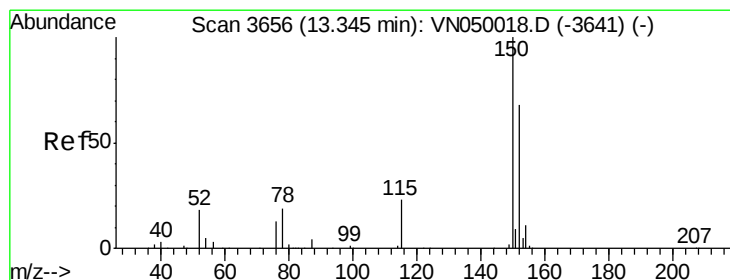
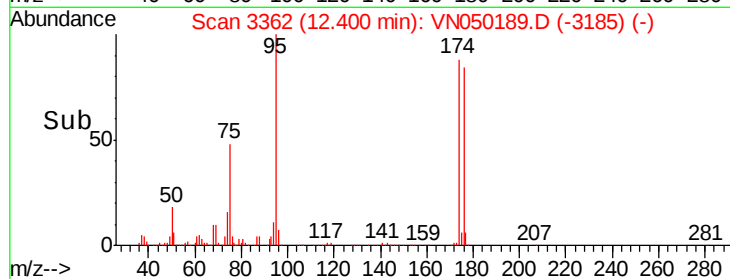
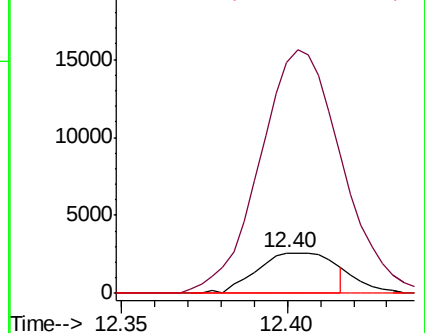
254 0.0 0.2 0.2#



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: VN050189.D

Acq: 30 Jul 2018 15:58

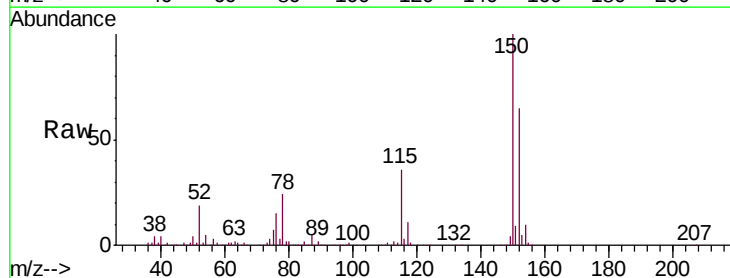
Tgt Ion:152 Resp: 326903

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

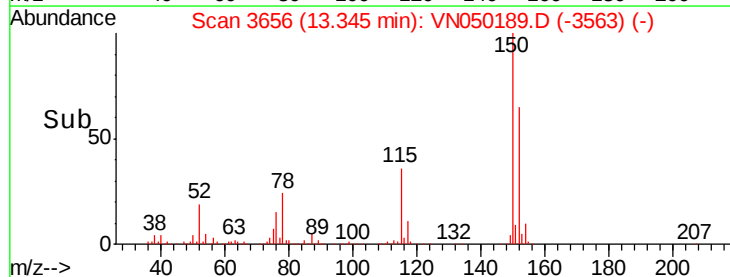
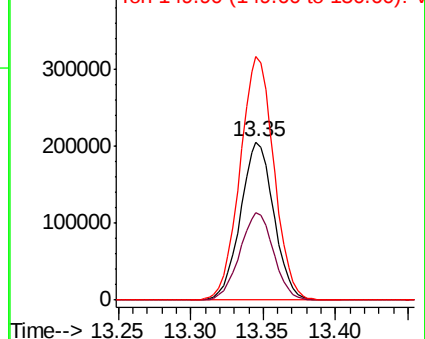
150 156.6 0.0 348.6

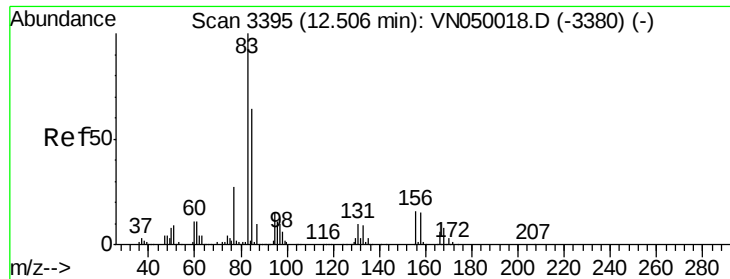


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN050189.D

Acq: 30 Jul 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

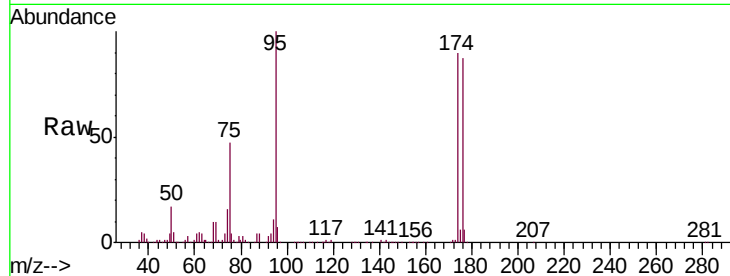
Tot Ion: 83 Resp: 156

Ion Ratio Lower Upper

83 100

131 369.2 5.1 15.3#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

500

400

300

200

100

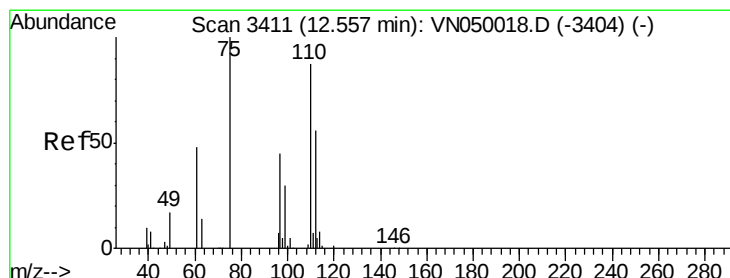
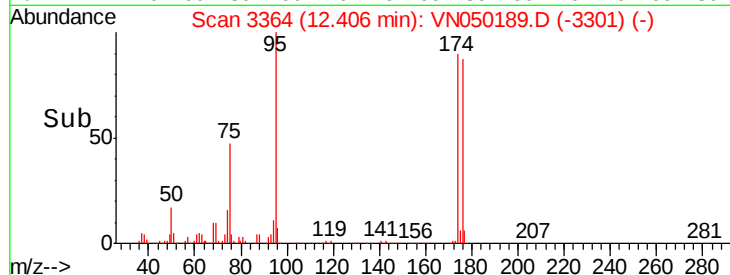
0

12.40

12.41

12.42

Time-->



#76

1,2,3-Trichloropropane

Concen: 32.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050189.D

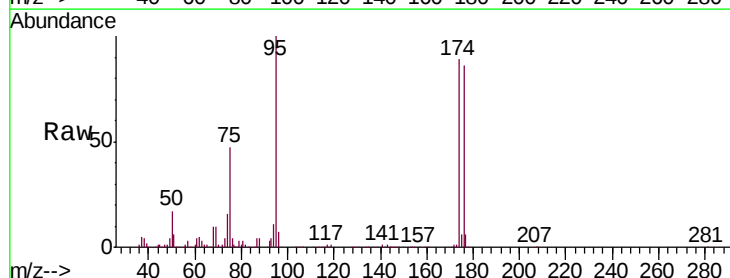
Acq: 30 Jul 2018 15:58

Tgt Ion: 75 Resp: 194699

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

100000

50000

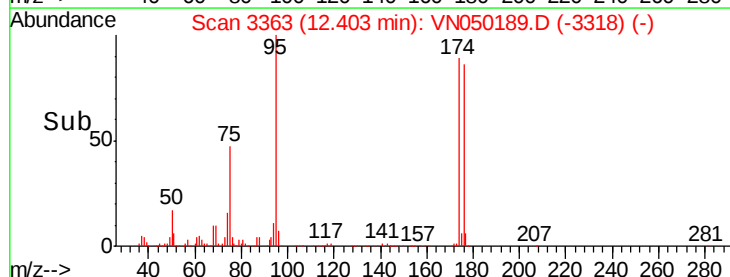
0

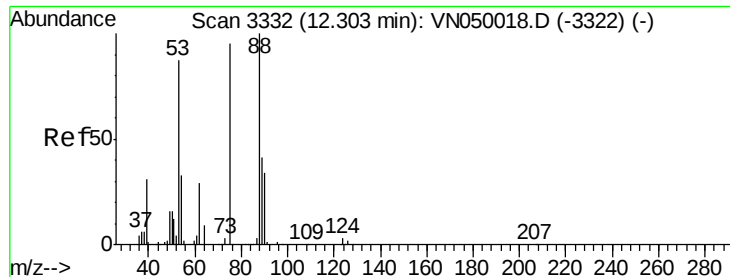
12.35

12.40

12.45

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 101.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050189.D

Acq: 30 Jul 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

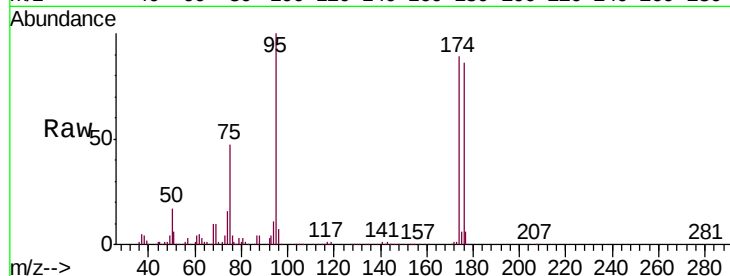
Tot Ion: 75 Resp: 194699

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

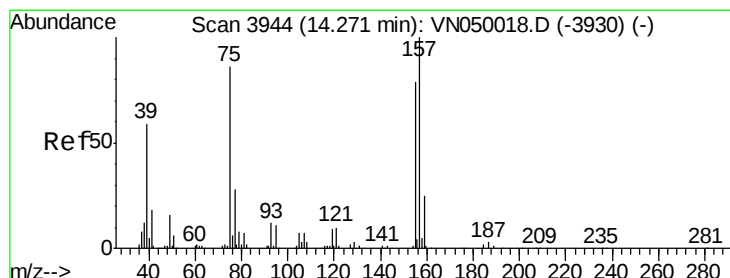
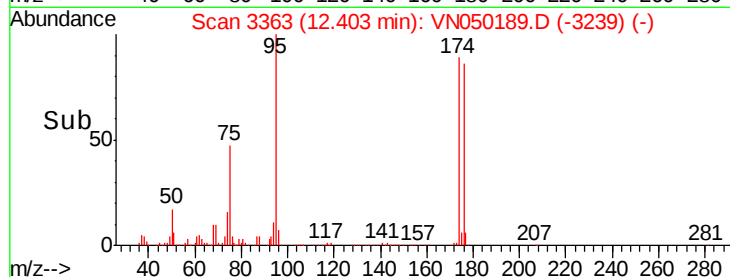
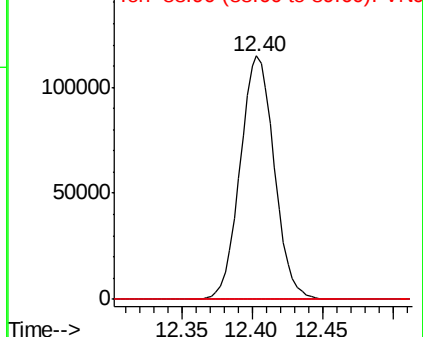
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 4014

Delta R.T. 0.23 min

Lab File: VN050189.D

Acq: 30 Jul 2018 15:58

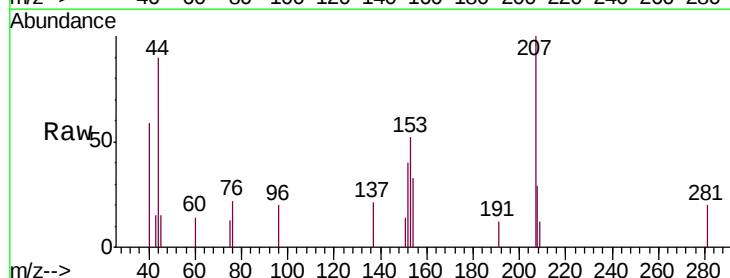
Tgt Ion: 75 Resp: 127

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

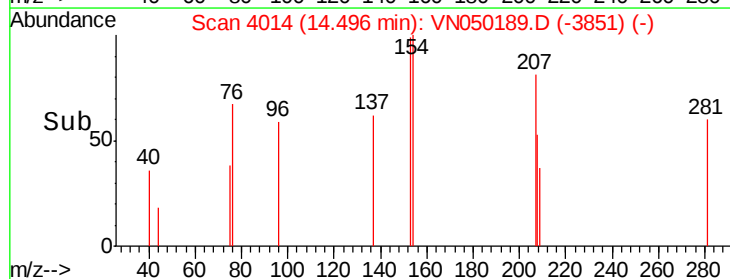
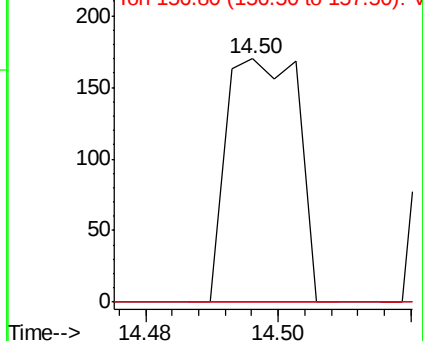
157 0.0 57.2 171.6#

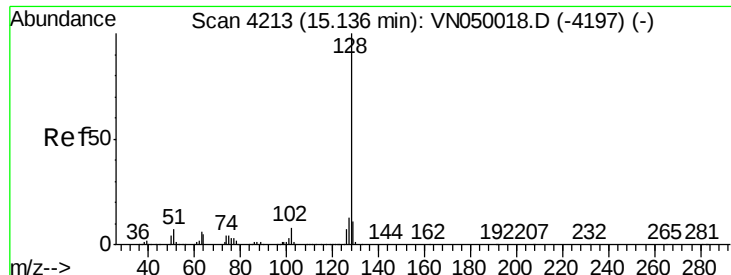


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 6.77 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050189.D
Acq: 30 Jul 2018 15:58

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.4	15.6
129	12.0	8.8	13.2

