

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050794.D
 Acq On : 21 Aug 2018 20:58
 Operator : MD\SY
 Sample : J4544-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Quant Time: Aug 22 06:43:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	600391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	922346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	824508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276026	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	388394	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
35) Dibromofluoromethane	7.59	113	371519	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.09	98	1325438	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	12.40	95	360896	39.59	ug/l	0.00
Spiked Amount			Recovery	=	79.18%	

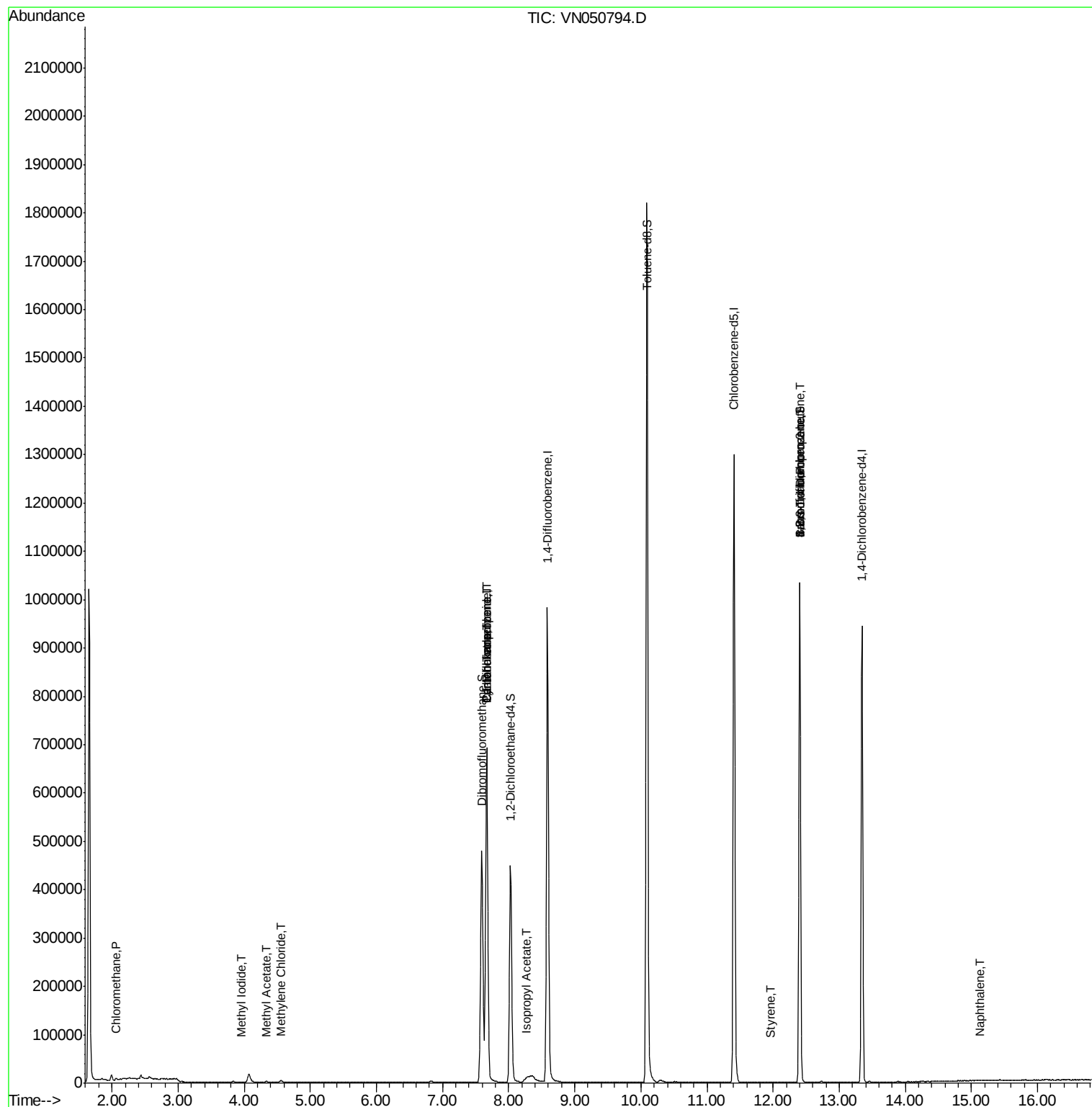
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2949	0.298	ug/l	95
5) Bromomethane	2.57	94	3156	Below Cal	#	75
10) Methyl Iodide	3.95	142	915	6.462	ug/l #	71
16) Acetone	3.83	43	3975	Below Cal		98
18) Methyl Acetate	4.32	43	1664	0.244	ug/l #	54
20) Methylene Chloride	4.55	84	2038	0.250	ug/l #	83
31) Cyclohexane	7.67	56	10538	1.315	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40115	3.686	ug/l #	43
38) Carbon Tetrachloride	7.67	117	53212	4.837	ug/l #	17
43) Isopropyl Acetate	8.26	43	6694	0.623	ug/l #	58
70) Styrene	11.96	104	31	1.271	ug/l #	26
71) Bromoform	12.40	173	2310	0.426	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	106	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	167656	34.678	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	167656	117.233	ug/l #	15
95) Naphthalene	15.13	128	118	5.409	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

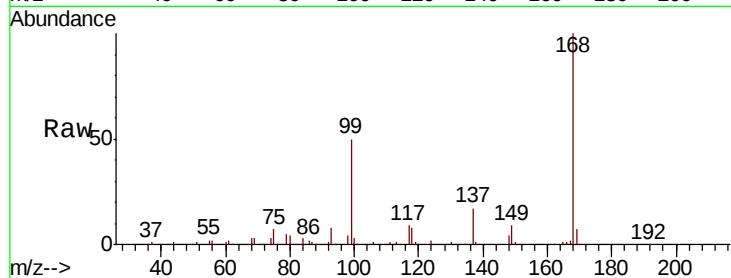
STORAGEBLANK-SAMPLEMANAG

Tot Ion:168 Resp: 600391

Ion Ratio Lower Upper

168 100

99 49.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

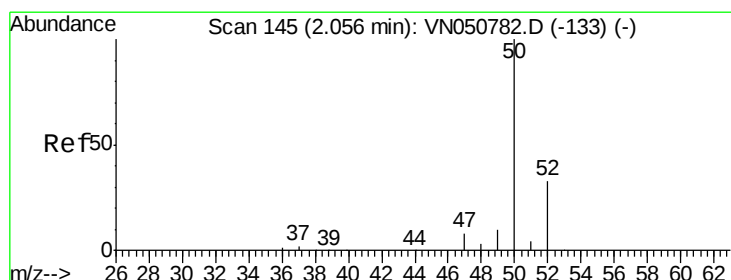
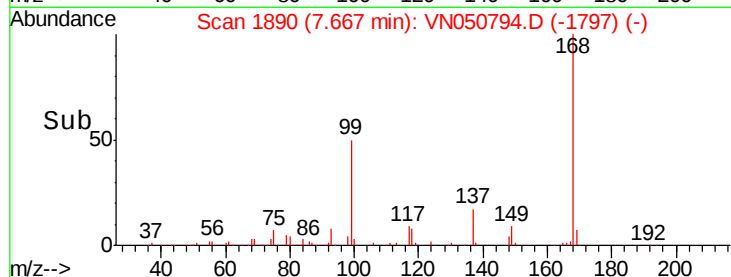
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.298 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050794.D

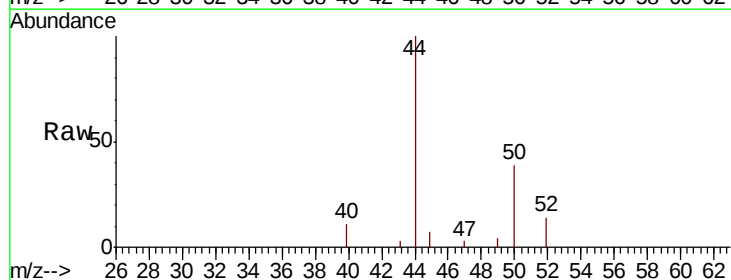
Acq: 21 Aug 2018 20:58

Tgt Ion: 50 Resp: 2949

Ion Ratio Lower Upper

50 100

52 36.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

1500

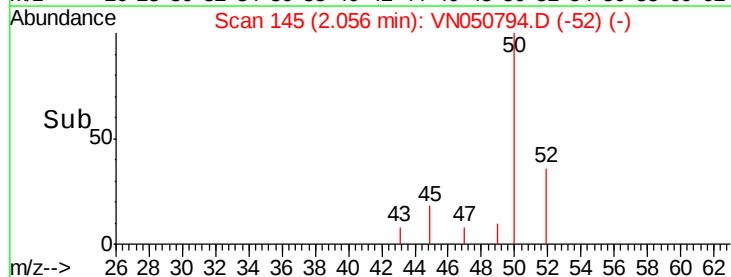
1000

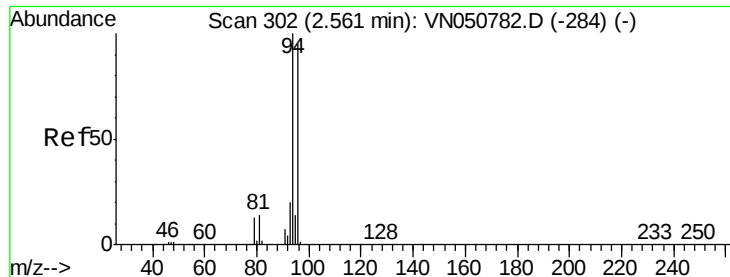
500

0

2.05 2.10

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

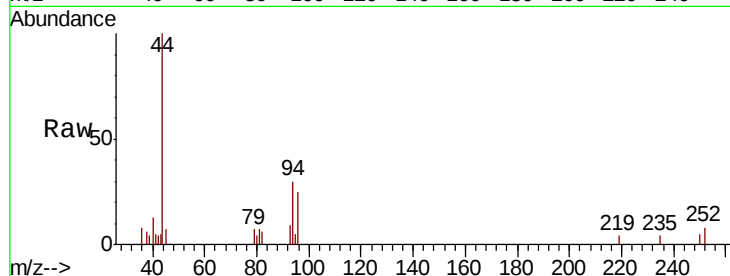
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 94 Resp: 3156

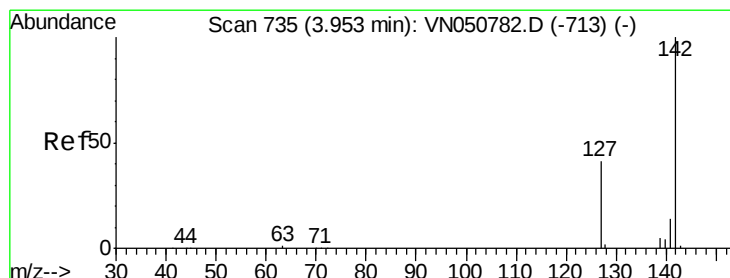
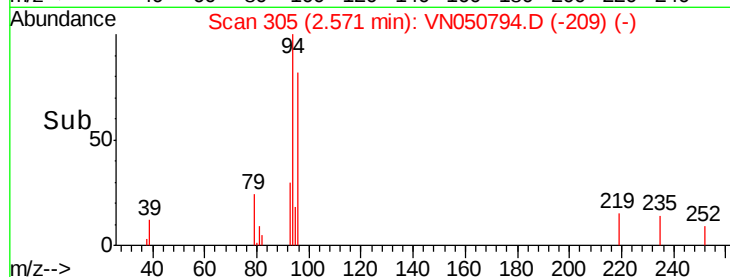
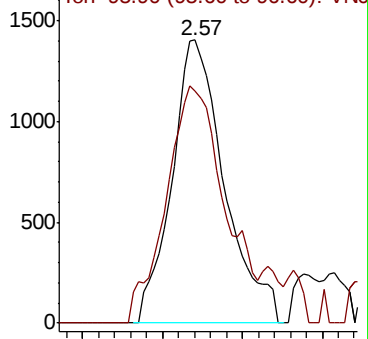
Ion Ratio Lower Upper

94 100

96 71.2 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN050782.D (-284) (-)



#10

Methyl Iodide

Concen: 6.462 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

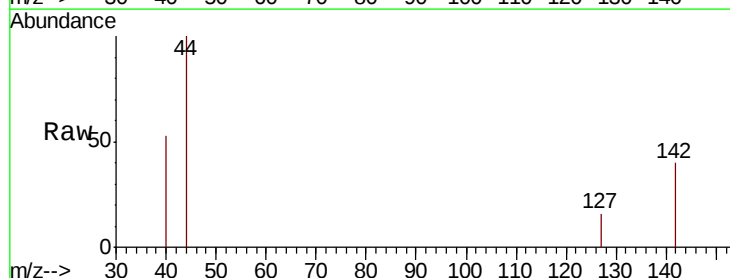
Tgt Ion: 142 Resp: 915

Ion Ratio Lower Upper

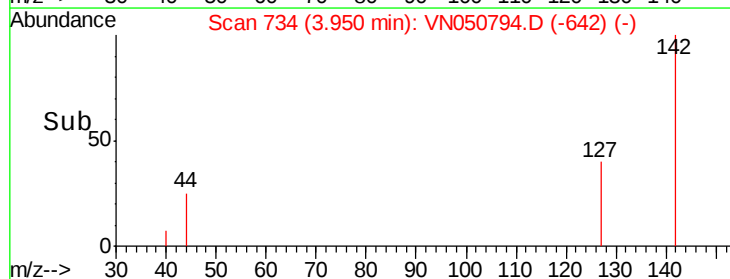
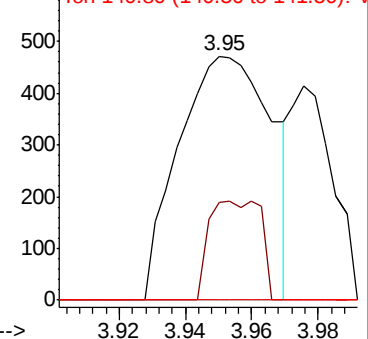
142 100

127 23.1 31.7 47.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050782.D (-713) (-)





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

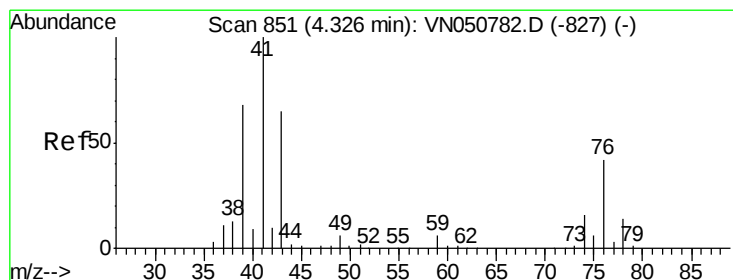
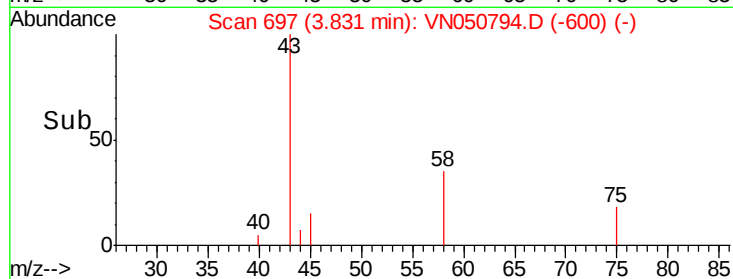
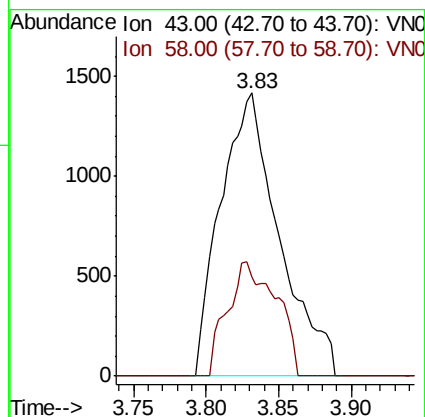
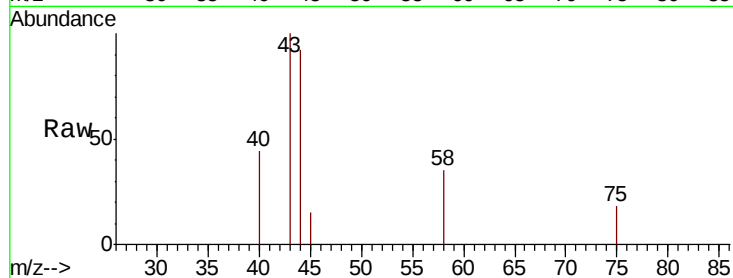
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 43 Resp: 3975

Ion Ratio Lower Upper

43 100

58 35.1 27.2 40.8



#18

Methyl Acetate

Concen: 0.244 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050794.D

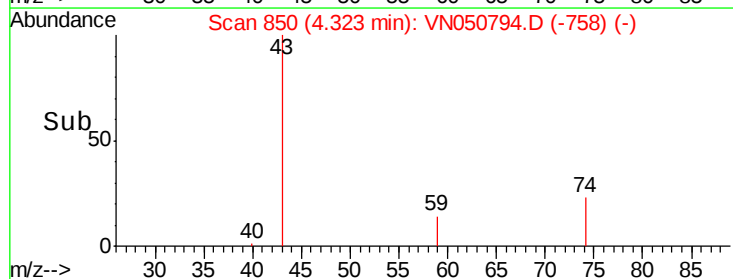
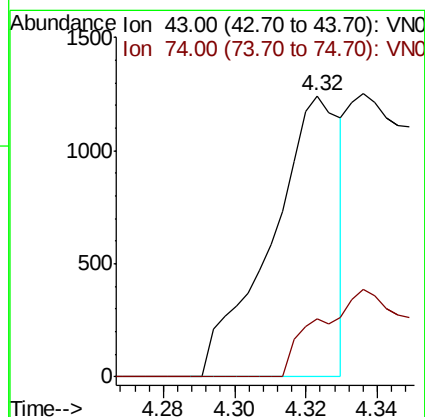
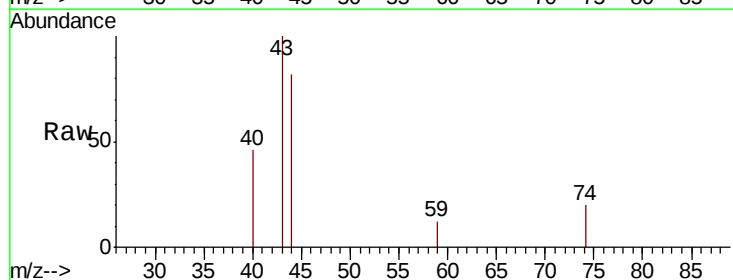
Acq: 21 Aug 2018 20:58

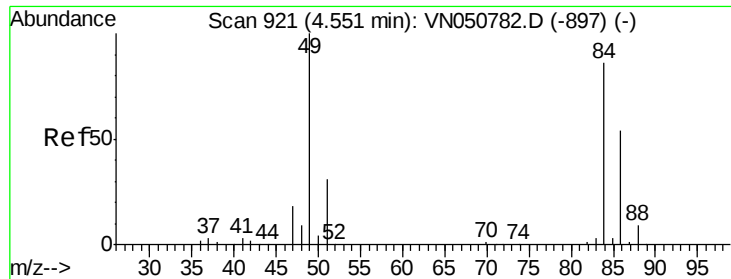
Tgt Ion: 43 Resp: 1664

Ion Ratio Lower Upper

43 100

74 48.0 19.8 29.8#

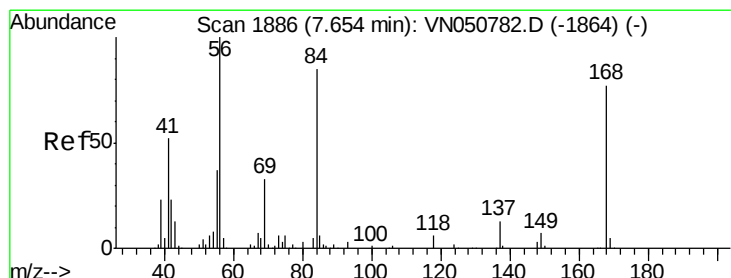
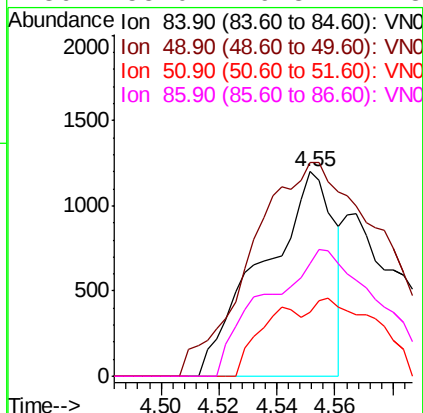
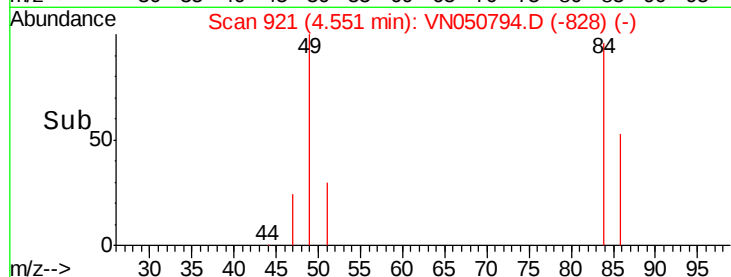
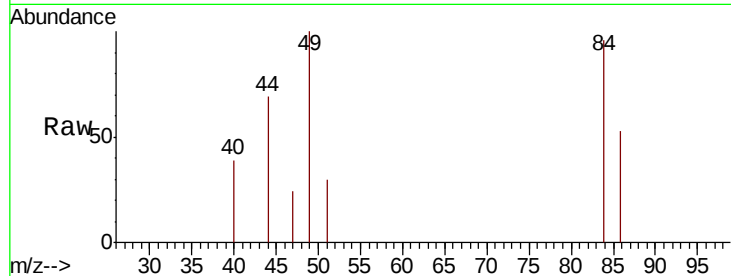




#20
Methvlene Chloride
Concen: 0.250 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050794.D
Acq: 21 Aug 2018 20:58

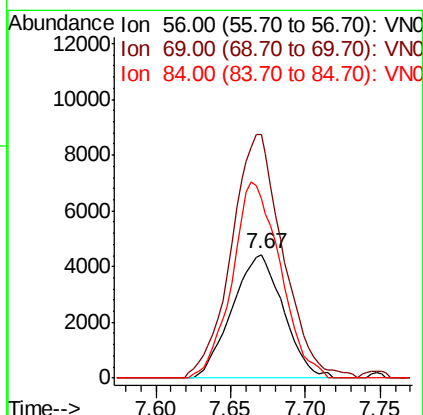
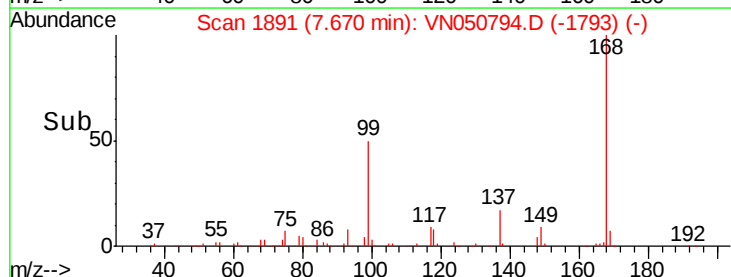
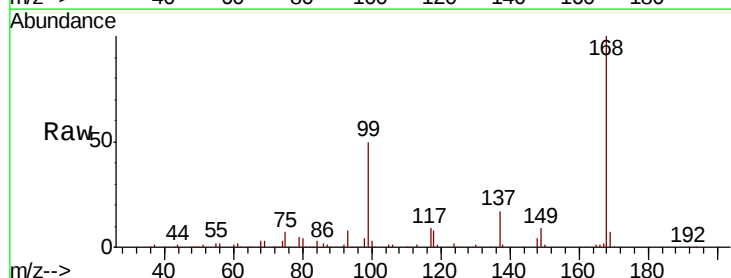
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STORAGEBLANK-SAMPLEMANAG

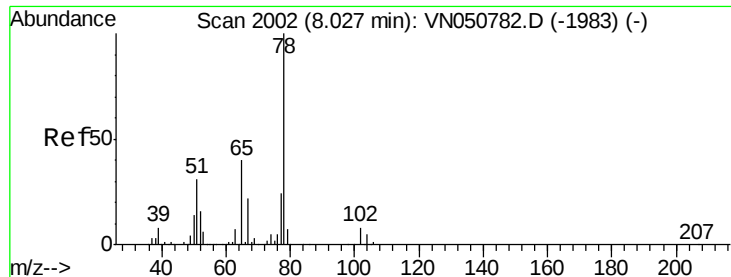
Tot Ion: 84 Resp: 2038
Ion Ratio Lower Upper
84 100
49 91.5 93.2 139.8#
51 31.0 29.0 43.6
86 55.0 49.8 74.8



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN050794.D
Acq: 21 Aug 2018 20:58

Tgt Ion: 56 Resp: 10538
Ion Ratio Lower Upper
56 100
69 192.2 26.2 39.4#
84 145.1 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 53.736 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

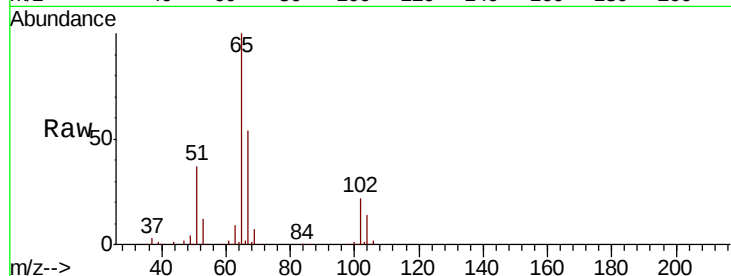
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 65 Resp: 388394

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN050782.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050782.D (-1983) (-)

8.03

150000

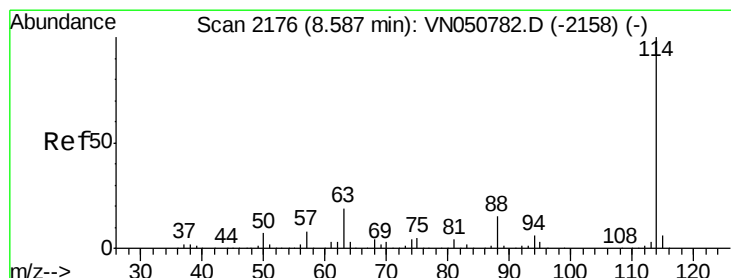
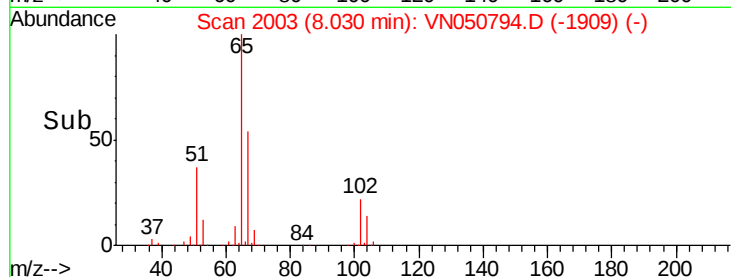
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

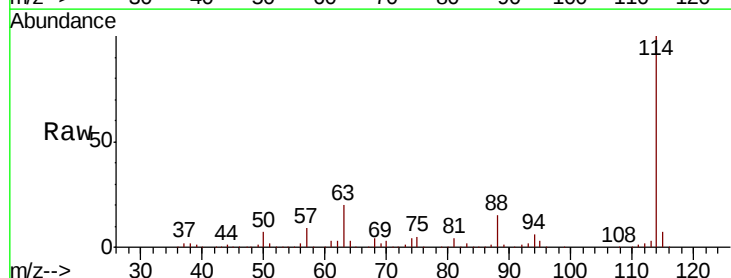
Tgt Ion:114 Resp: 922346

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN050782.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050782.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050782.D (-2158) (-)

8.59

600000

500000

400000

300000

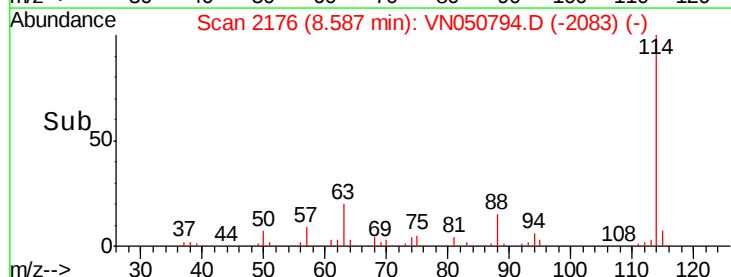
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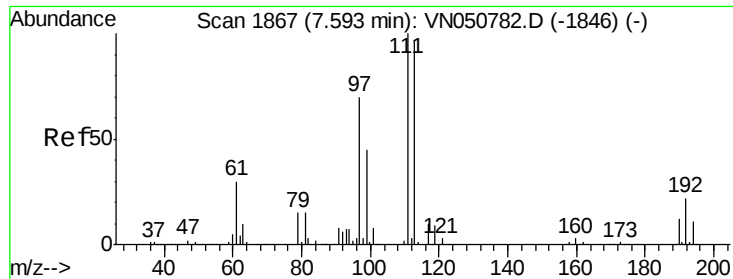
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0

8.50 8.60 8.70

Time-->

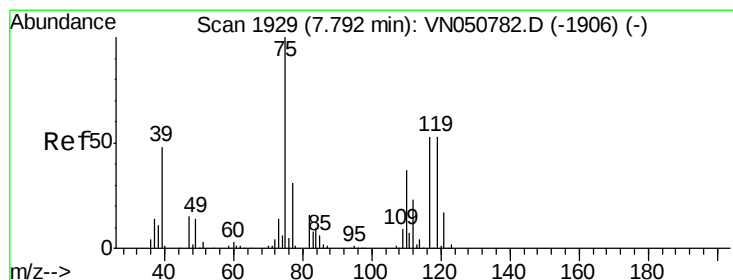
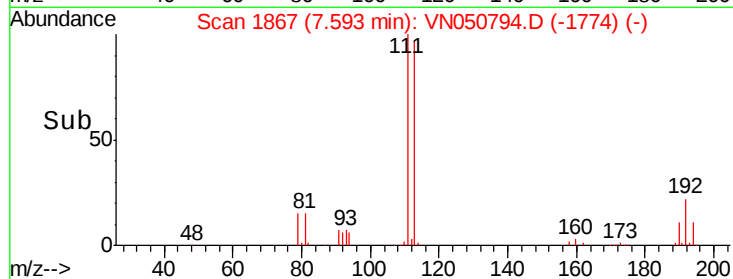
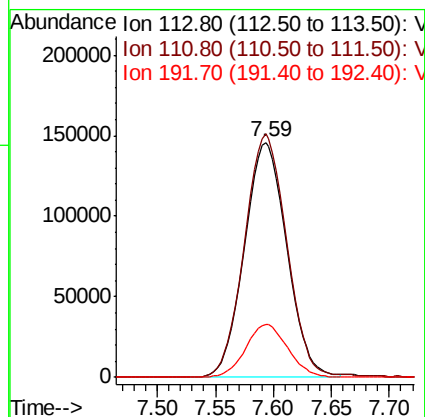
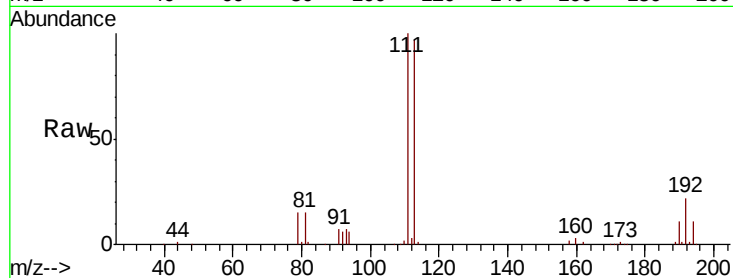




#35
 Dibromofluoromethane
 Concen: 50.631 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050794.D
 Acq: 21 Aug 2018 20:58

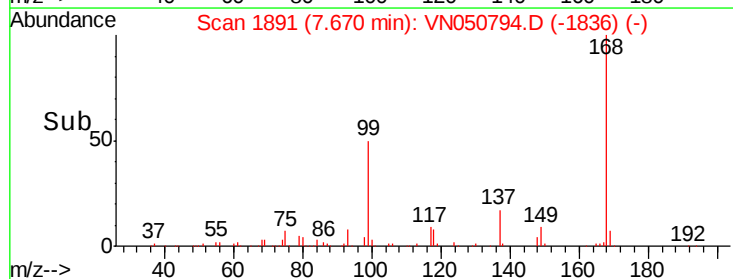
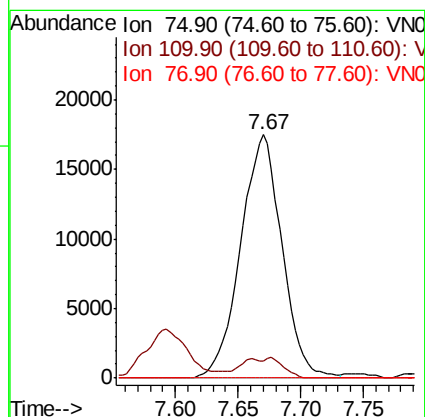
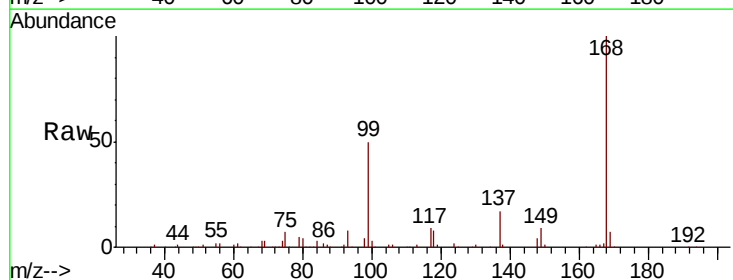
Instrument :
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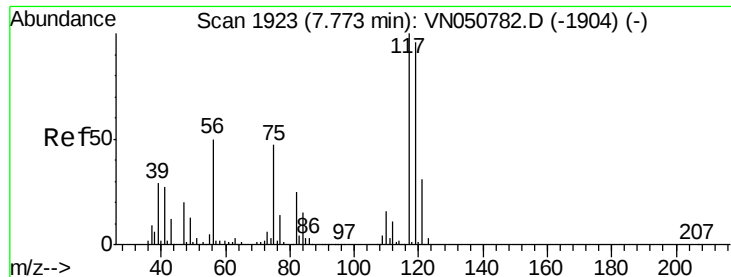
Tot Ion:113 Resp: 371519
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.6 123.8
 192 22.5 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 3.686 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN050794.D
 Acq: 21 Aug 2018 20:58

Tgt Ion: 75 Resp: 40115
 Ion Ratio Lower Upper
 75 100
 110 2.3 18.1 54.4#
 77 0.0 24.8 37.2#

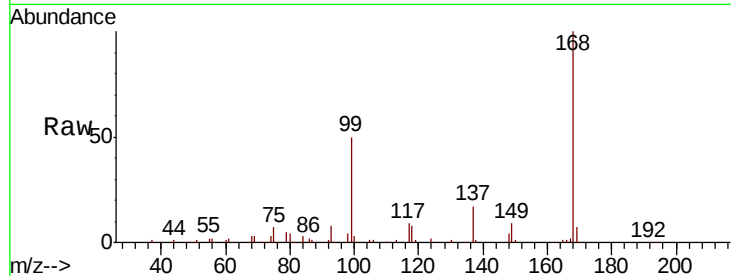




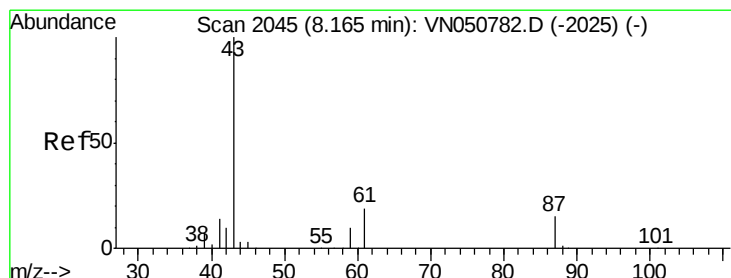
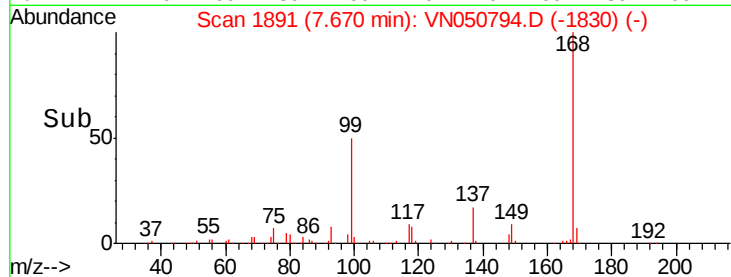
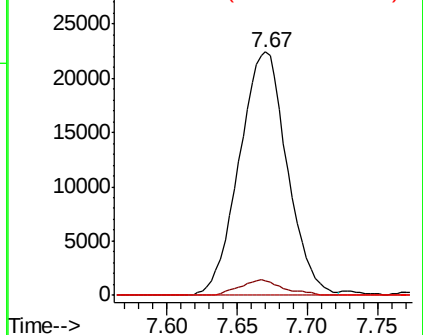
#38
Carbon Tetrachloride
Concen: 4.837 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN050794.D
Acq: 21 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

Tot Ion:117 Resp: 53212
Ion Ratio Lower Upper
117 100
119 6.2 76.3 114.5#
121 0.0 24.6 36.8#

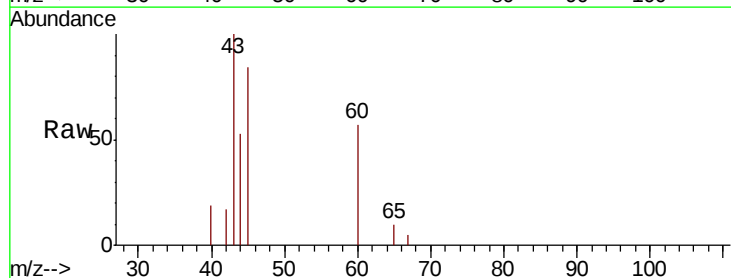


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

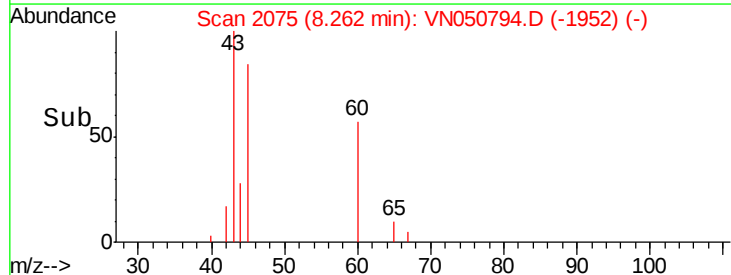
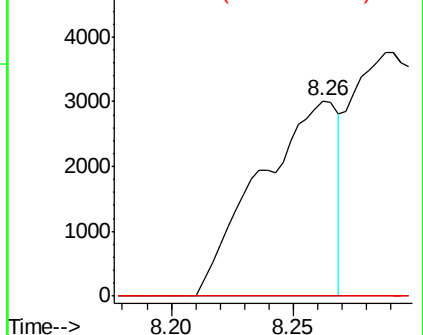


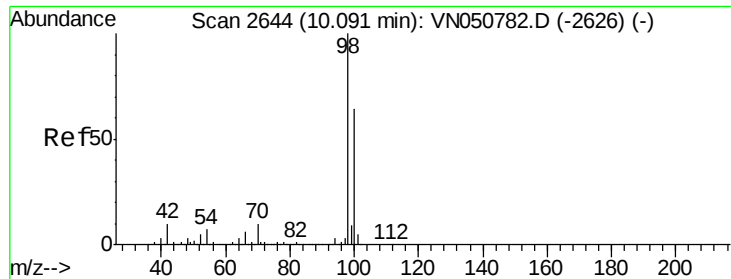
#43
Isopropyl Acetate
Concen: 0.623 ug/l
RT: 8.26 min Scan# 2075
Delta R.T. 0.10 min
Lab File: VN050794.D
Acq: 21 Aug 2018 20:58

Tgt Ion: 43 Resp: 6694
Ion Ratio Lower Upper
43 100
61 0.0 17.5 26.3#
87 0.0 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 48.314 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

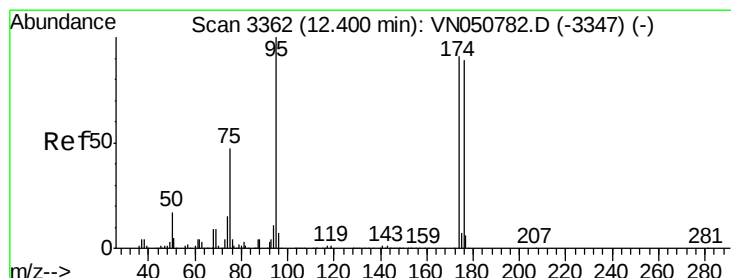
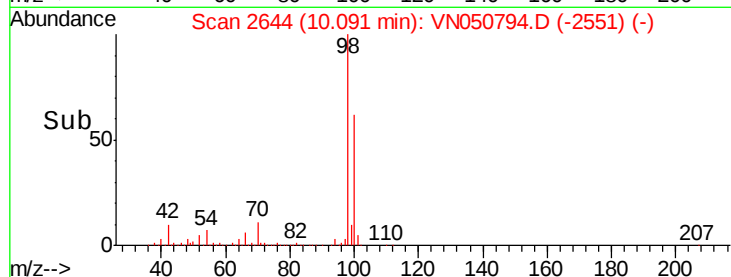
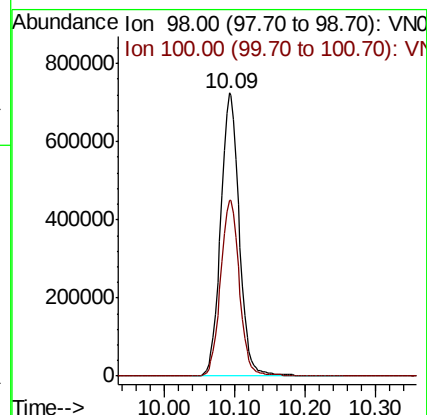
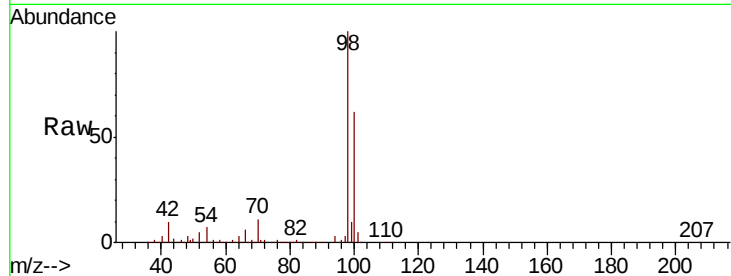
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 98 Resp: 1325438

Ion Ratio Lower Upper

98 100

100 63.0 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 39.588 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

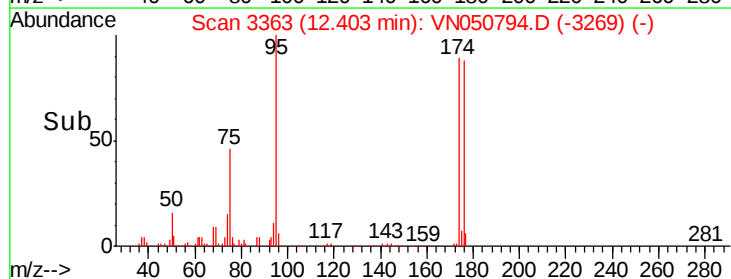
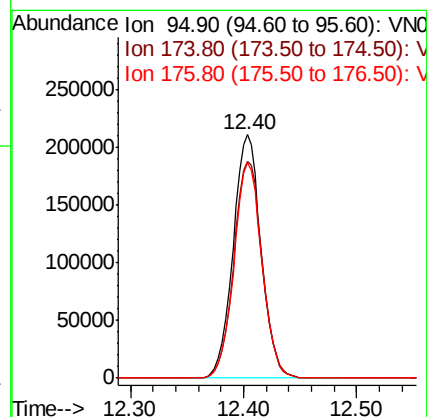
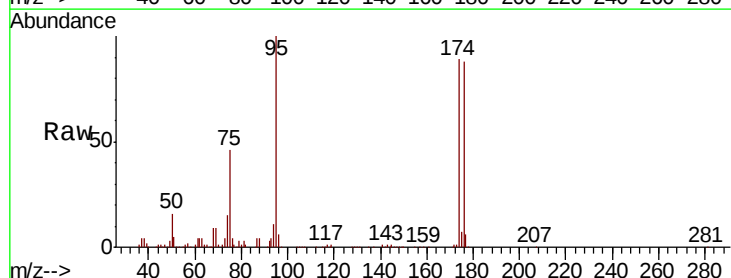
Tgt Ion: 95 Resp: 360896

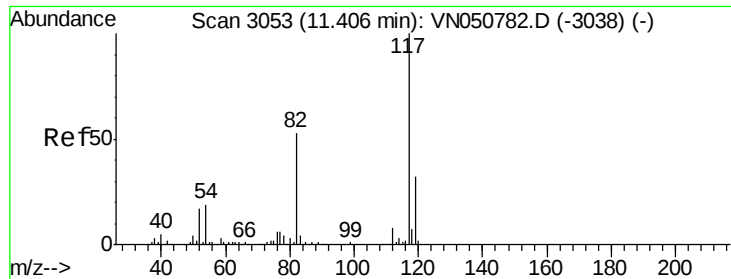
Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.0

176 88.9 0.0 178.8

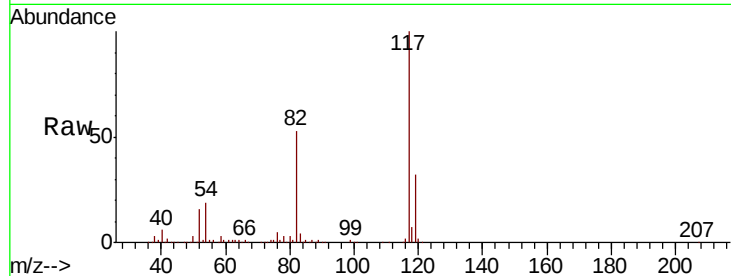




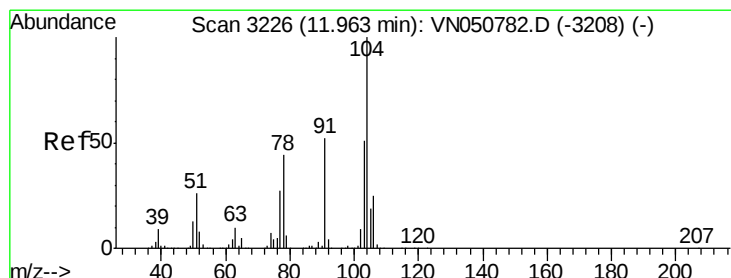
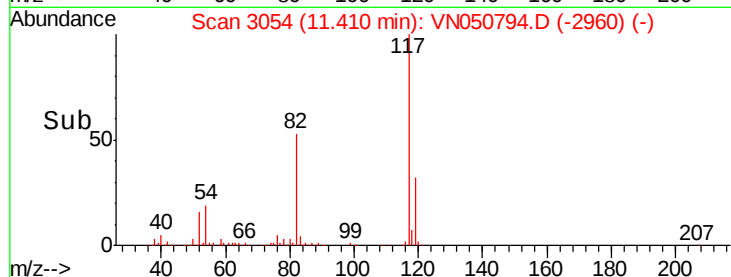
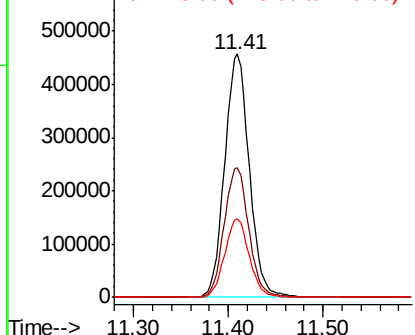
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050794.D
Acq: 21 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

Tot Ion:117 Resp: 824508
Ion Ratio Lower Upper
117 100
82 53.1 42.6 64.0
119 32.5 25.8 38.6

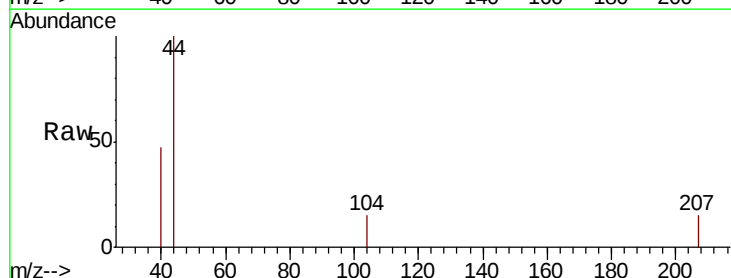


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

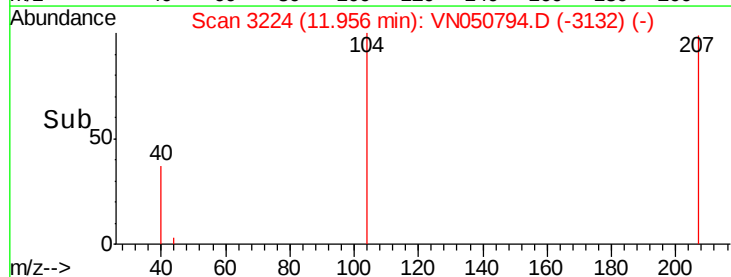
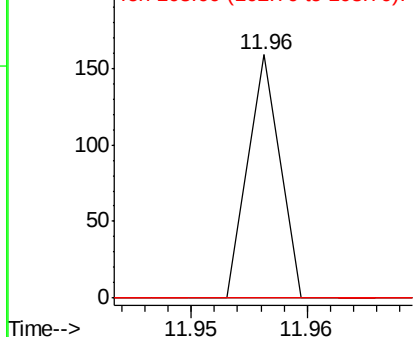


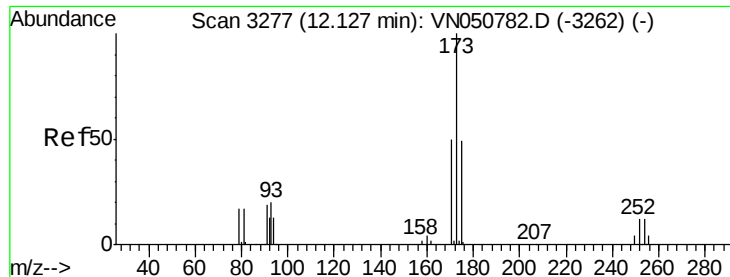
#70
Styrene
Concen: 1.271 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VN050794.D
Acq: 21 Aug 2018 20:58

Tgt Ion:104 Resp: 31
Ion Ratio Lower Upper
104 100
78 0.0 38.2 57.4#
103 0.0 44.4 66.6#



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





#71

Bromoform

Concen: 0.426 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

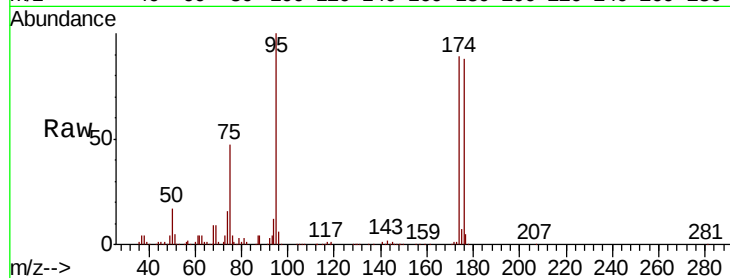
Tot Ion:173 Resp: 2310

Ion Ratio Lower Upper

173 100

175 879.9 24.4 73.4#

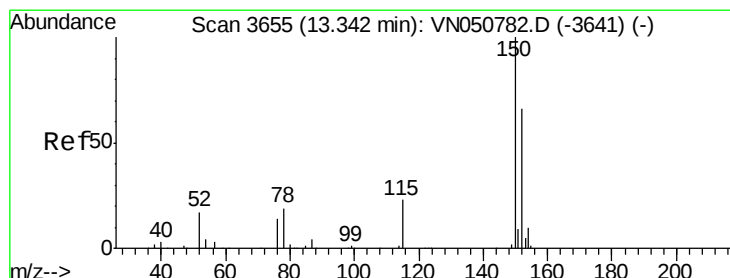
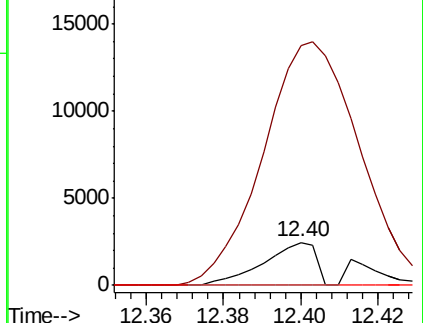
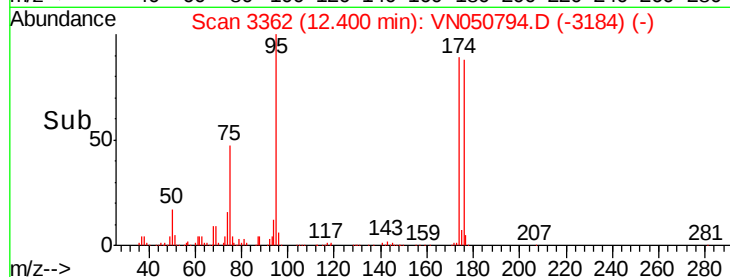
254 0.0 0.1 0.1#



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: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

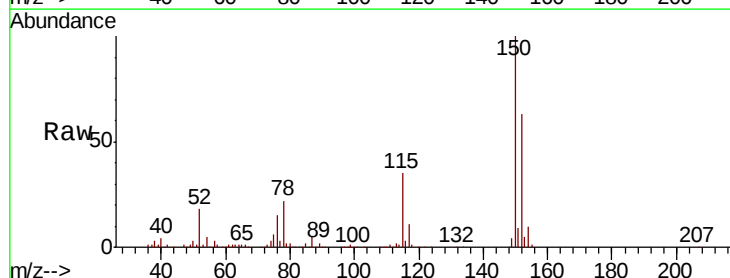
Tgt Ion:152 Resp: 276026

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

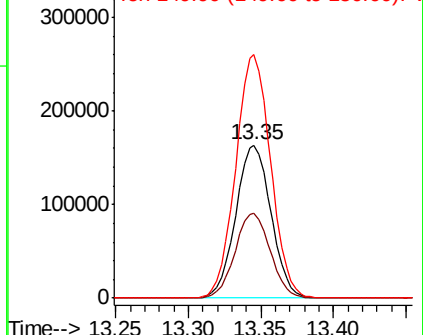
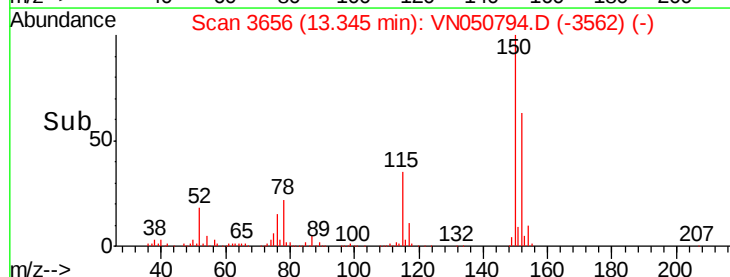
150 157.8 0.0 351.4

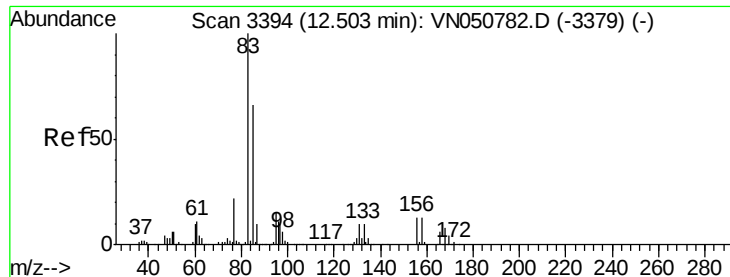


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3365

Delta R.T. -0.09 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

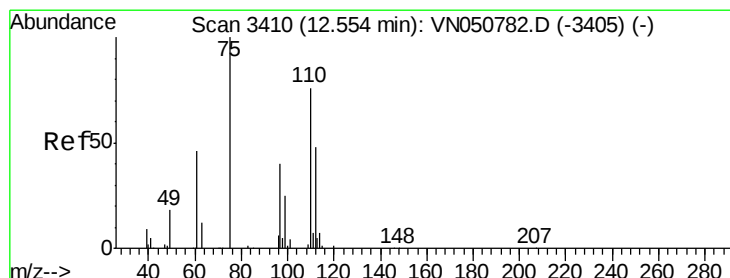
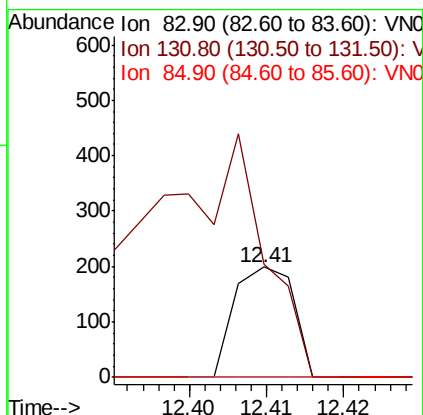
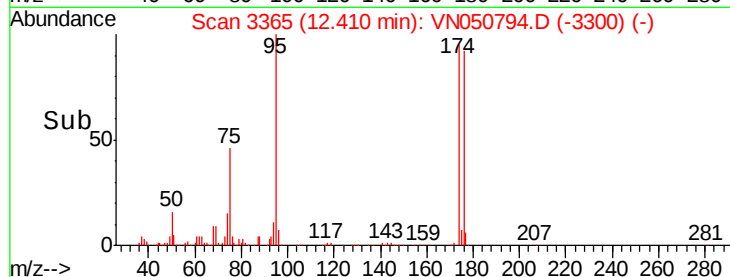
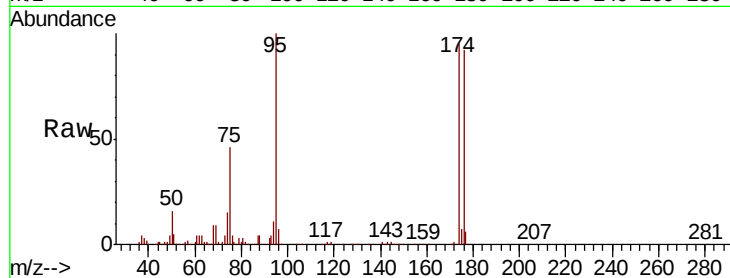
Tot Ion: 83 Resp: 106

Ion Ratio Lower Upper

83 100

131 443.4 5.3 15.9#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 34.678 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050794.D

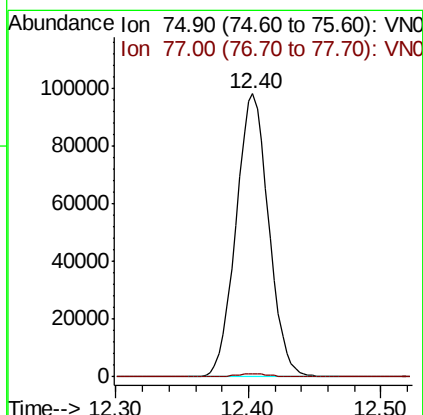
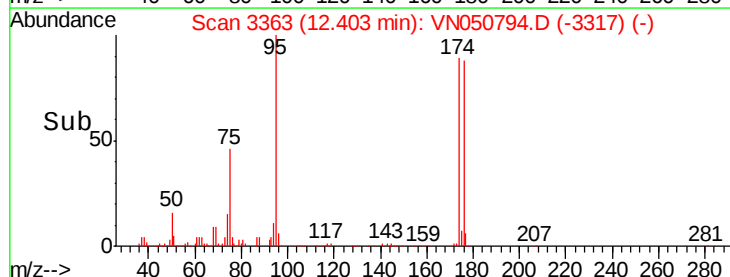
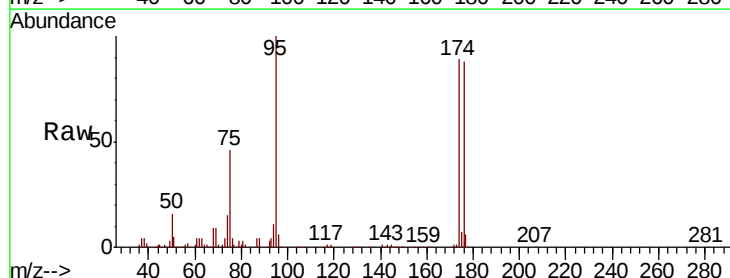
Acq: 21 Aug 2018 20:58

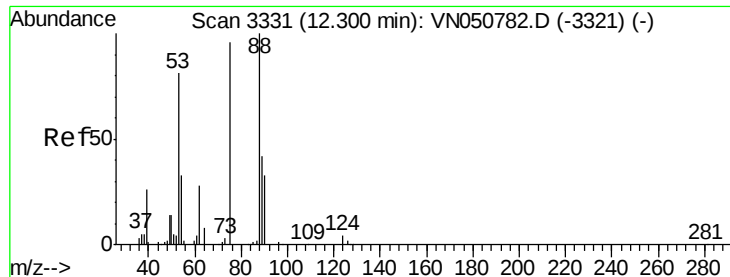
Tgt Ion: 75 Resp: 167656

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 117.233 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

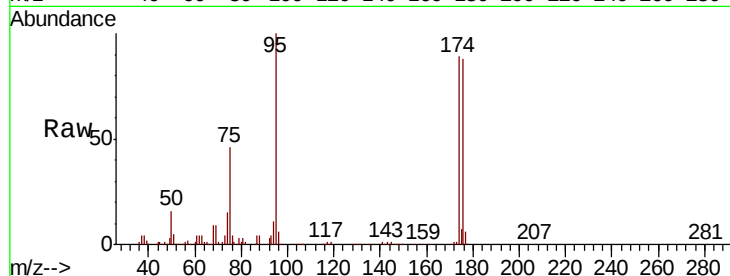
Tot Ion: 75 Resp: 167656

Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

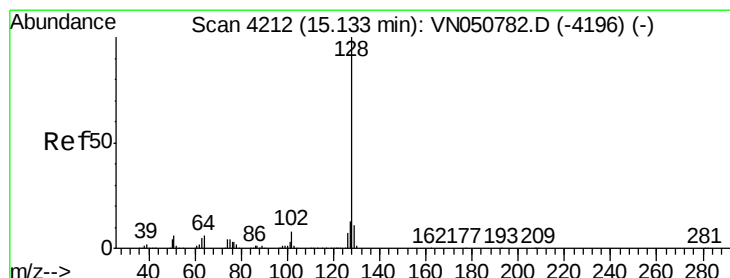
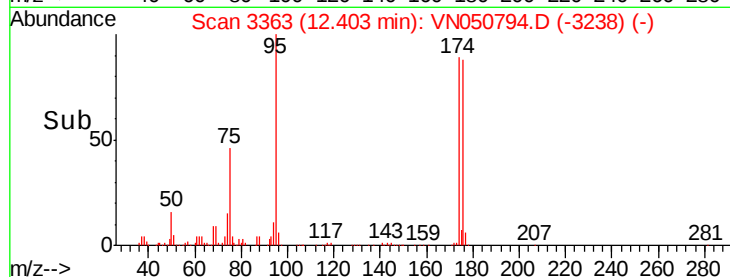
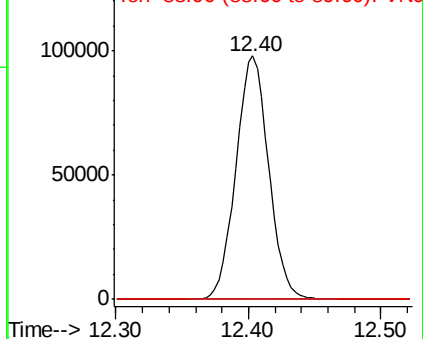
89 0.0 36.1 54.1#



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



#95

Naphthalene

Concen: 5.409 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050794.D

Acq: 21 Aug 2018 20:58

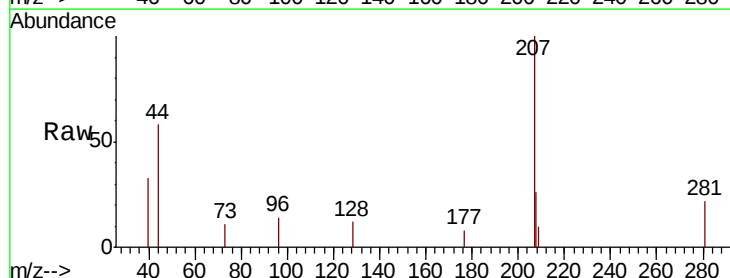
Tgt Ion: 128 Resp: 118

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



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

