

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050792.D
 Acq On : 21 Aug 2018 20:09
 Operator : MD\SY
 Sample : J4544-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE BLANK-SOILREF-5

Quant Time: Aug 22 06:43:20 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	643135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	999745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	872066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278337	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	415025	53.60	ug/l	0.00
Spiked Amount						
			Recovery	=	107.20%	
35) Dibromofluoromethane	7.59	113	399135	50.18	ug/l	0.00
Spiked Amount						
			Recovery	=	100.36%	
50) Toluene-d8	10.09	98	1425411	47.94	ug/l	0.00
Spiked Amount						
			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	12.40	95	368630	37.31	ug/l	0.00
Spiked Amount						
			Recovery	=	74.62%	

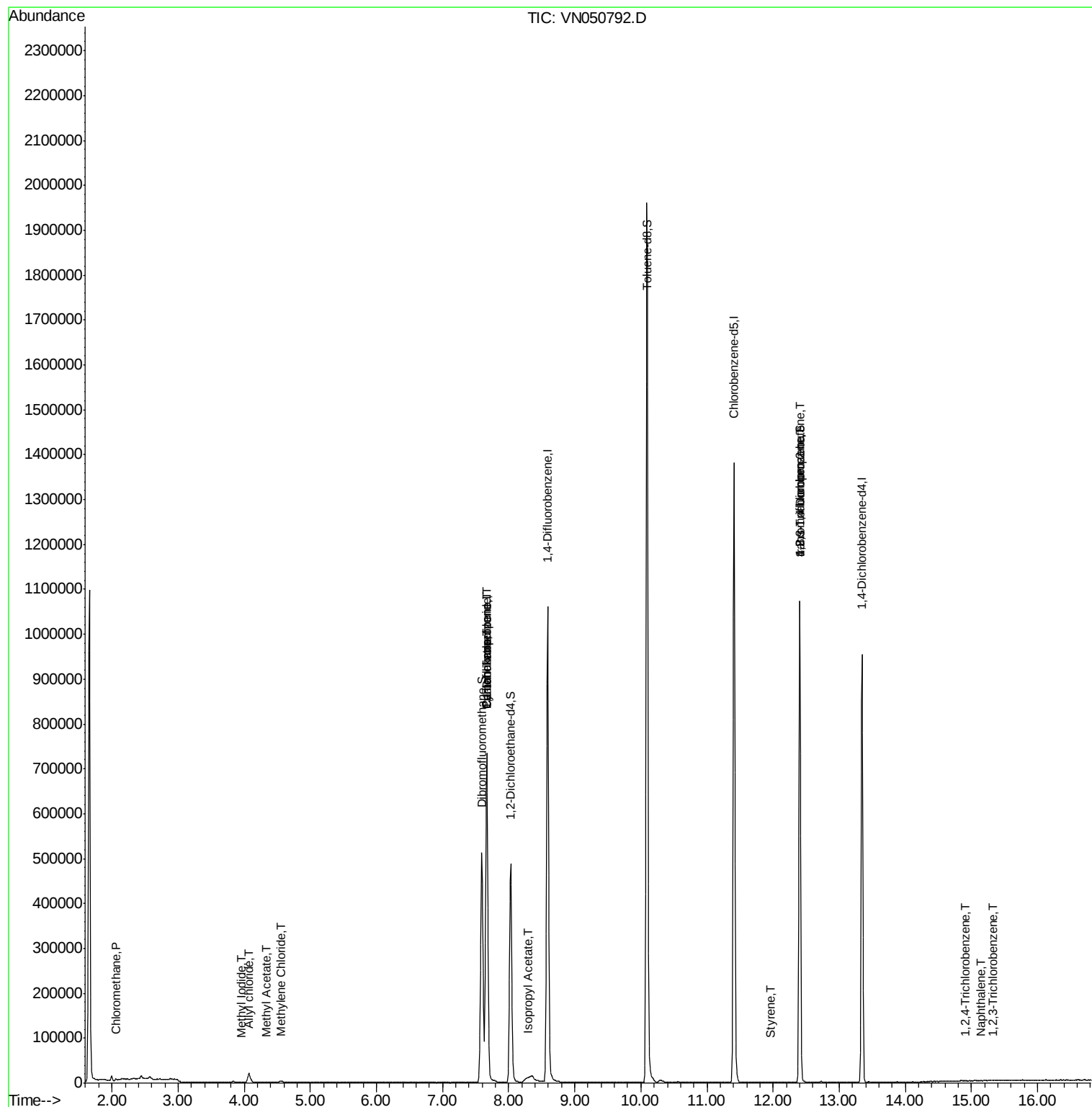
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2864	0.270	ug/l #	81
5) Bromomethane	2.57	94	2990	Below Cal		95
10) Methyl Iodide	3.96	142	1058	6.471	ug/l #	81
14) Allyl chloride	4.07	41	3634	0.323	ug/l #	65
16) Acetone	3.83	43	4552	Below Cal		90
18) Methyl Acetate	4.34	43	2568	0.351	ug/l #	64
20) Methylene Chloride	4.56	84	3452	0.396	ug/l #	88
31) Cyclohexane	7.67	56	10990	1.293	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43877	3.719	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56642	4.750	ug/l #	17
43) Isopropyl Acetate	8.28	43	10398	0.892	ug/l #	58
70) Styrene	11.97	104	190	1.278	ug/l #	26
75) 1,1,1,2,2-Tetrachloroethane	12.40	83	151	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	173501	35.589	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	173501	120.313	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	107	4.101	ug/l #	22
95) Naphthalene	15.14	128	572	5.446	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	305	3.353	ug/l #	86

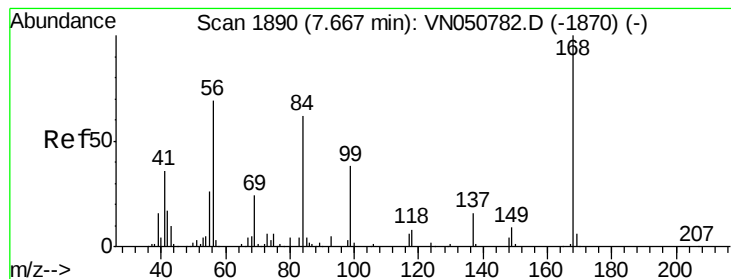
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA_N

ClientSampleId :

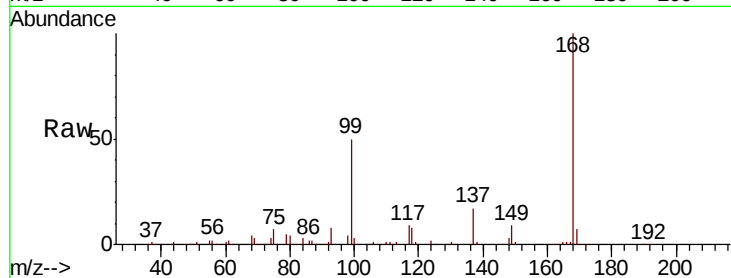
STORAGEBLANK-SOILREF-5

Tot Ion:168 Resp: 643135

Ion Ratio Lower Upper

168 100

99 49.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

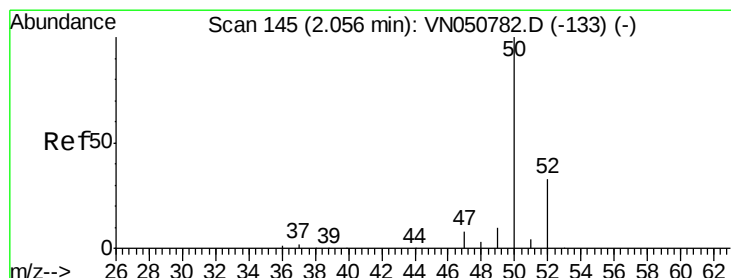
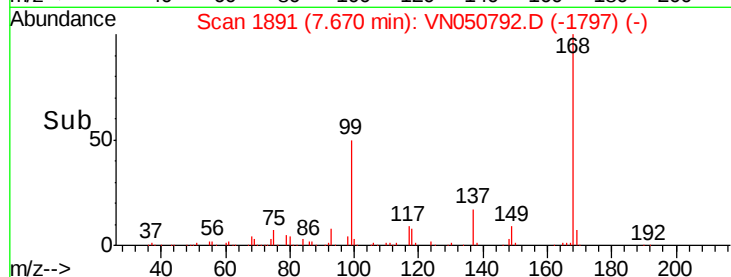
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.270 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050792.D

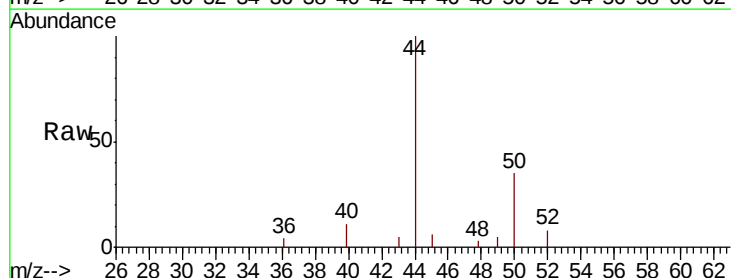
Acq: 21 Aug 2018 20:09

Tgt Ion: 50 Resp: 2864

Ion Ratio Lower Upper

50 100

52 22.3 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2000

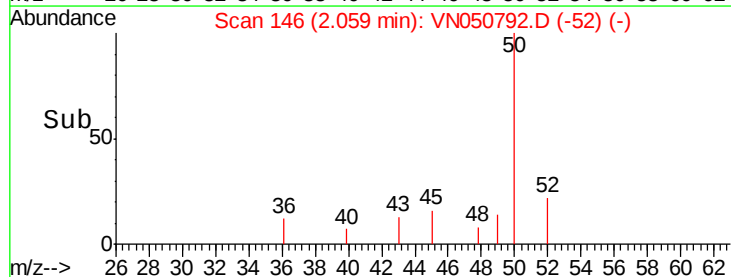
1500

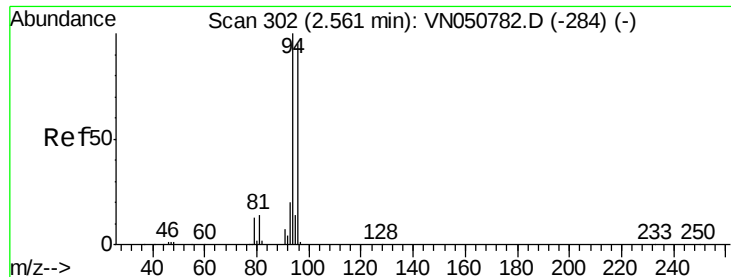
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA_N

ClientSampleId :

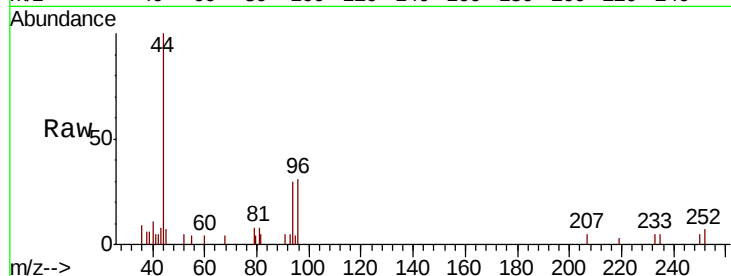
STORAGEBLANK-SOILREF-5

Tot Ion: 94 Resp: 2990

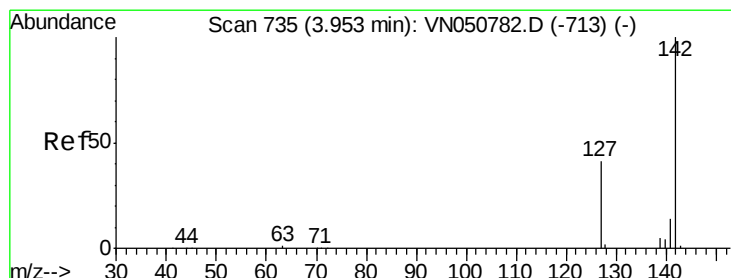
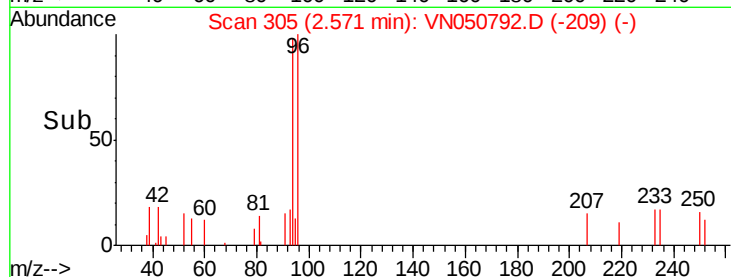
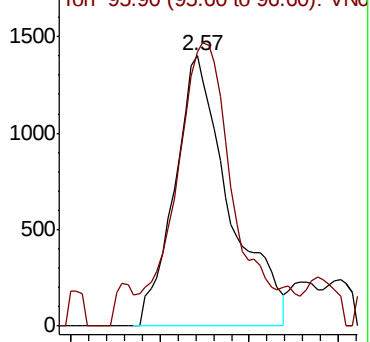
Ion Ratio Lower Upper

94 100

96 89.9 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050792.D (-209) (-)



#10

Methyl Iodide

Concen: 6.471 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

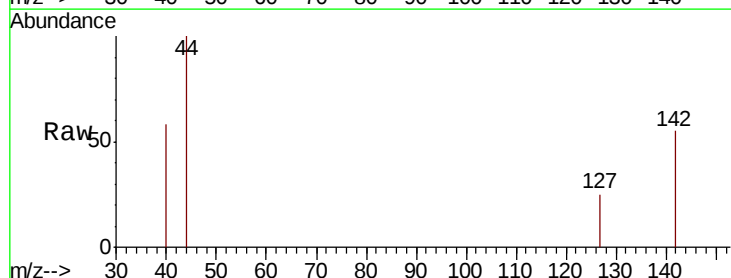
Tgt Ion: 142 Resp: 1058

Ion Ratio Lower Upper

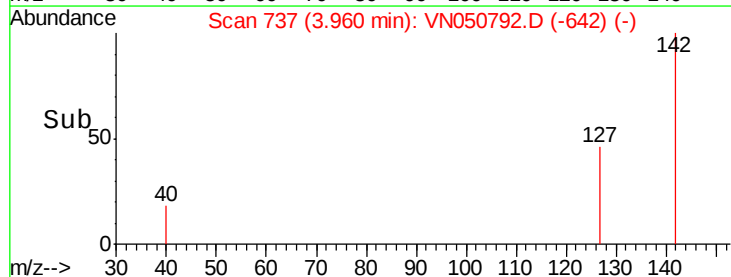
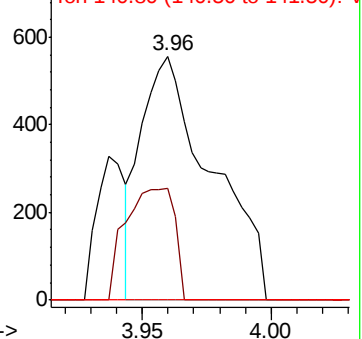
142 100

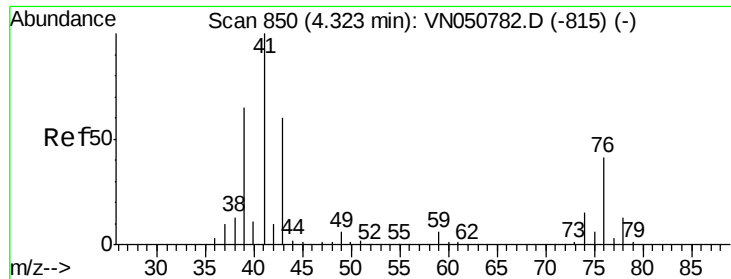
127 31.7 31.7 47.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050792.D (-642) (-)

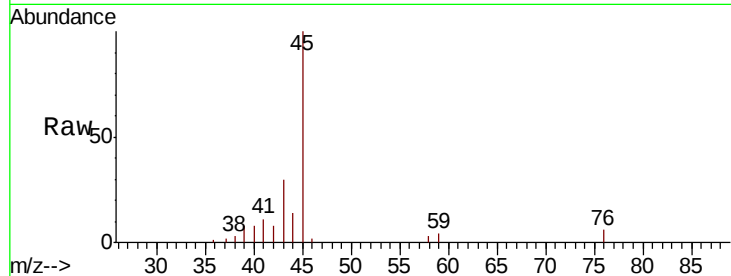




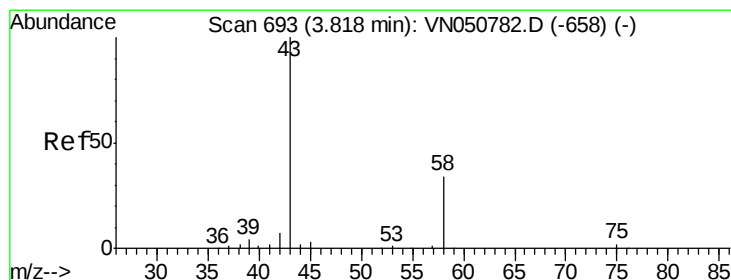
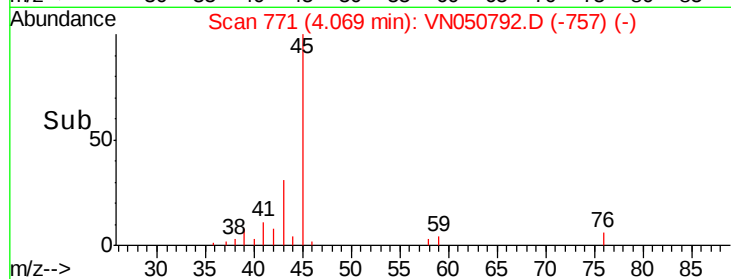
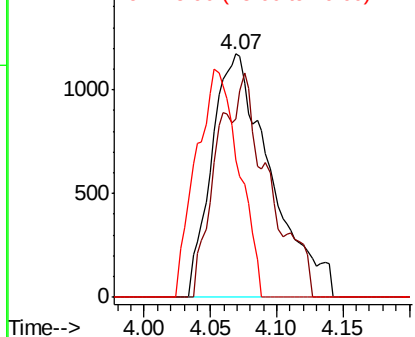
#14
Allvl chloride
Concen: 0.323 ug/l
RT: 4.07 min Scan# 771
Delta R.T. -0.25 min
Lab File: VN050792.D
Acq: 21 Aug 2018 20:09

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-5

Tot Ion: 41 Resp: 3634
Ion Ratio Lower Upper
41 100
39 48.2 50.2 75.2#
76 0.0 29.8 44.8#

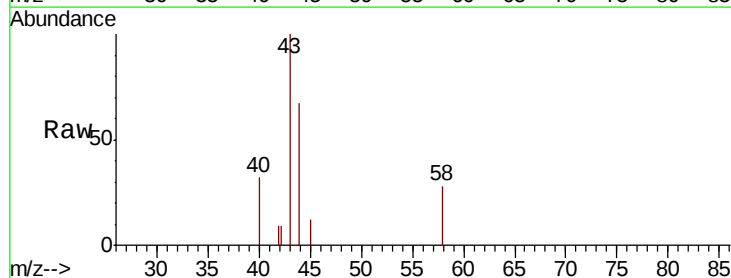


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

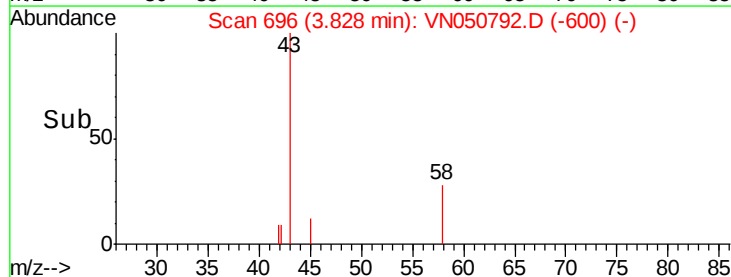
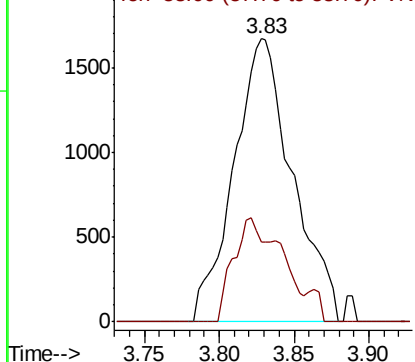


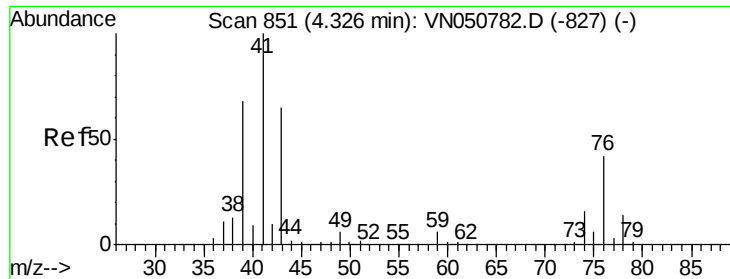
#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN050792.D
Acq: 21 Aug 2018 20:09

Tgt Ion: 43 Resp: 4552
Ion Ratio Lower Upper
43 100
58 28.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

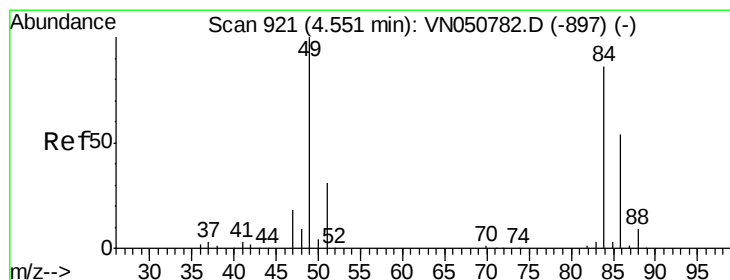
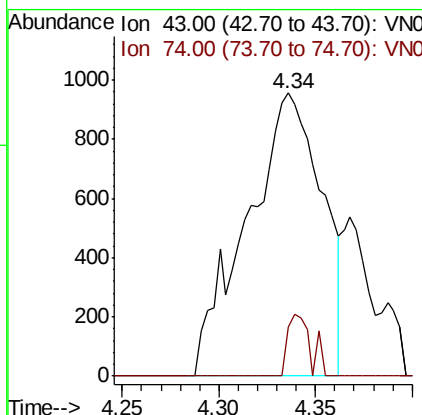
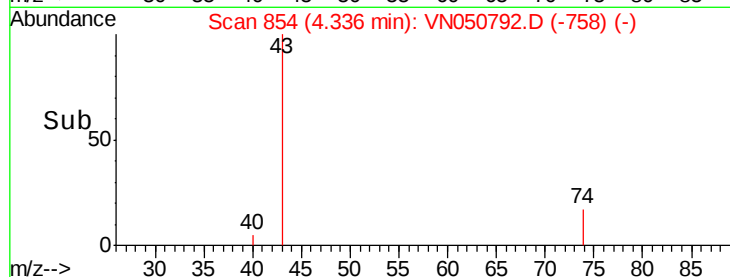
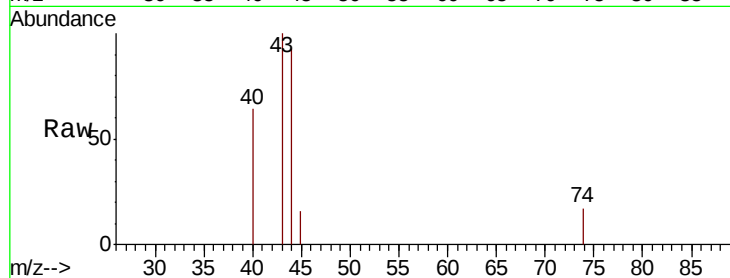




#18
Methyl Acetate
Concen: 0.351 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050792.D
Acq: 21 Aug 2018 20:09

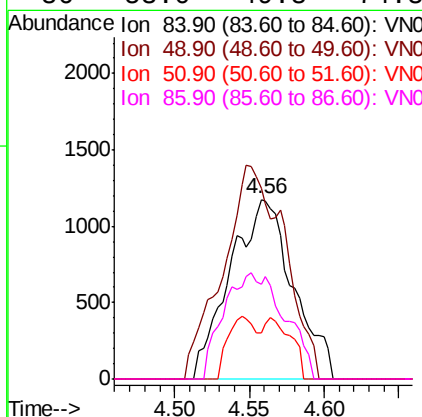
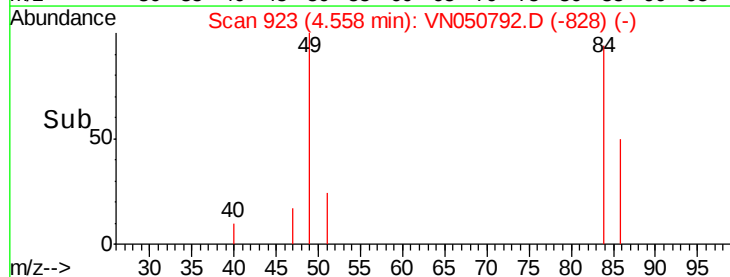
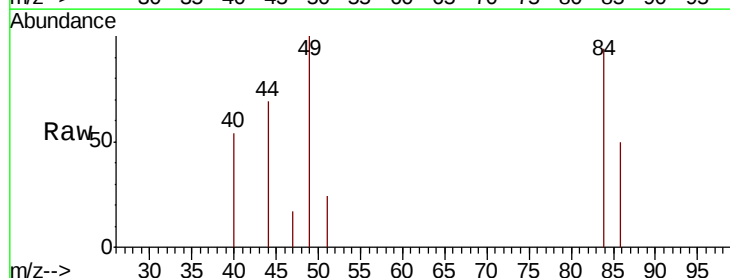
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-5

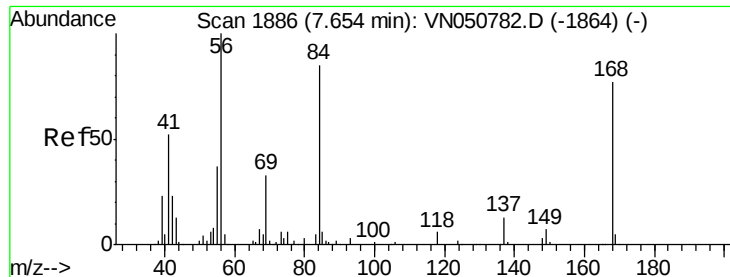
Tot Ion: 43 Resp: 2568
Ion Ratio Lower Upper
43 100
74 6.6 19.8 29.8#



#20
Methylene Chloride
Concen: 0.396 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050792.D
Acq: 21 Aug 2018 20:09

Tgt Ion: 84 Resp: 3452
Ion Ratio Lower Upper
84 100
49 106.4 93.2 139.8
51 25.6 29.0 43.6#
86 53.0 49.8 74.8

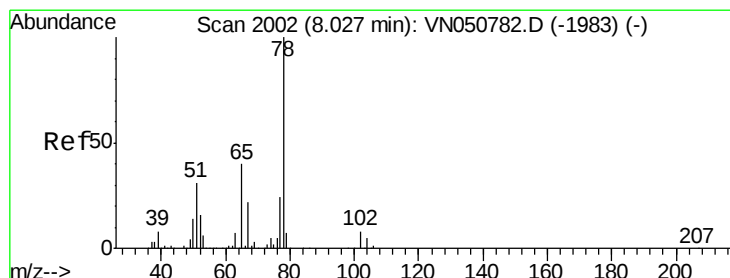
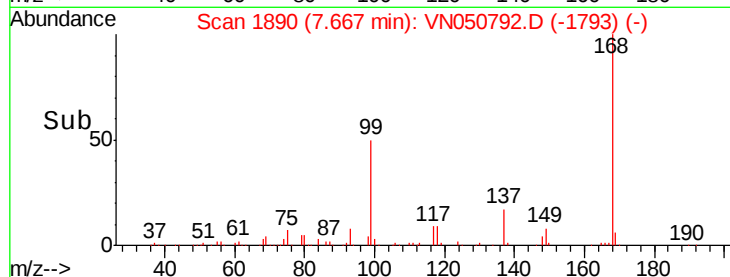
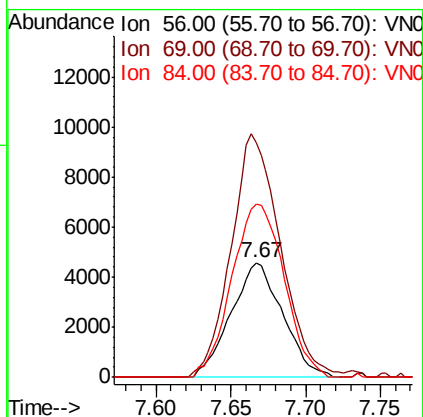
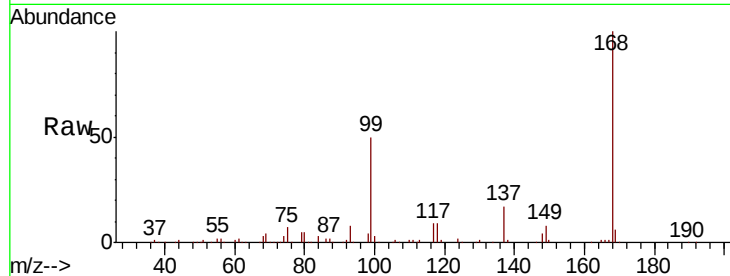




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050792.D
Acq: 21 Aug 2018 20:09

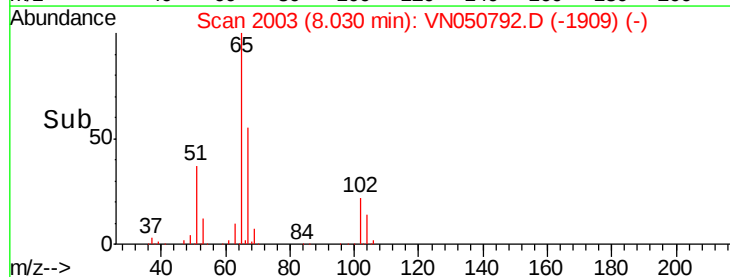
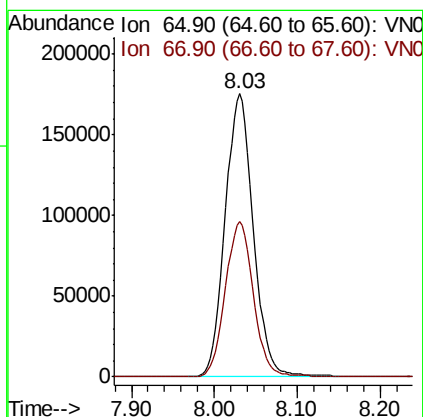
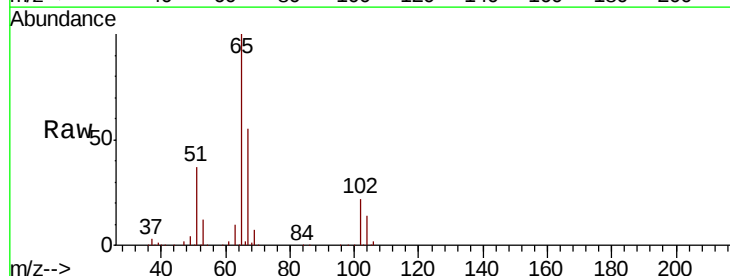
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-5

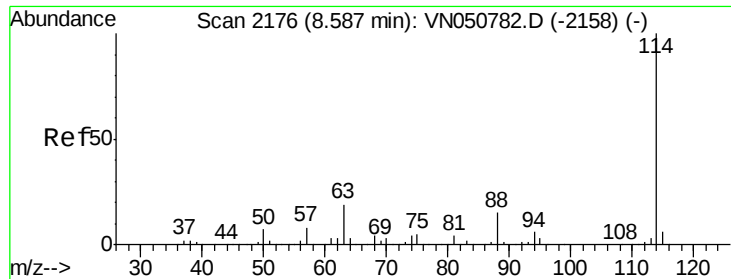
Tot Ion: 56 Resp: 10990
Ion Ratio Lower Upper
56 100
69 204.7 26.2 39.4#
84 150.3 68.3 102.5#



#33
1,2-Dichloroethane-d4
Concen: 53.604 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050792.D
Acq: 21 Aug 2018 20:09

Tgt Ion: 65 Resp: 415025
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.4

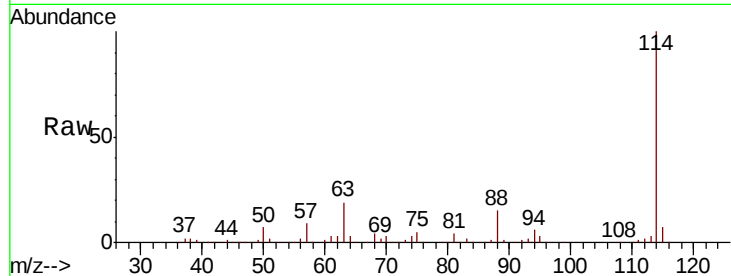




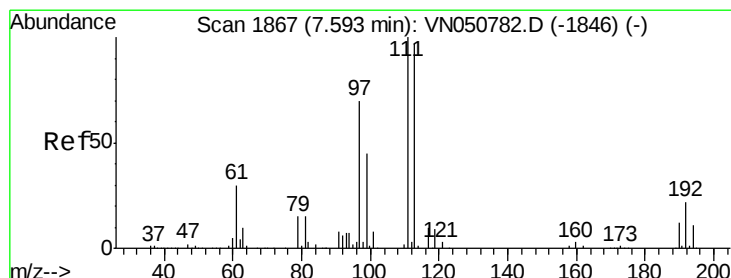
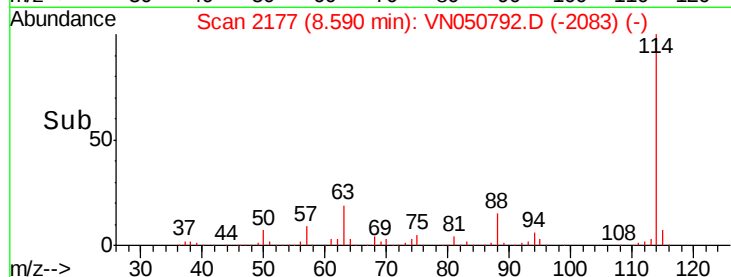
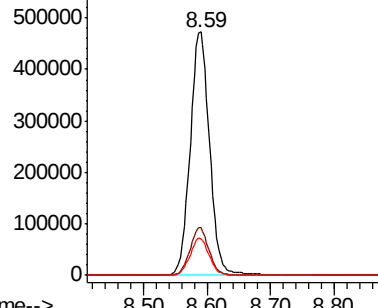
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050792.D
 Acq: 21 Aug 2018 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SOILREF-5

Tot Ion:114 Resp: 999745
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.1 0.0 30.6

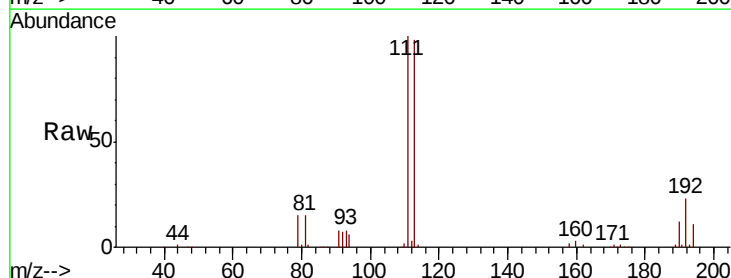


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

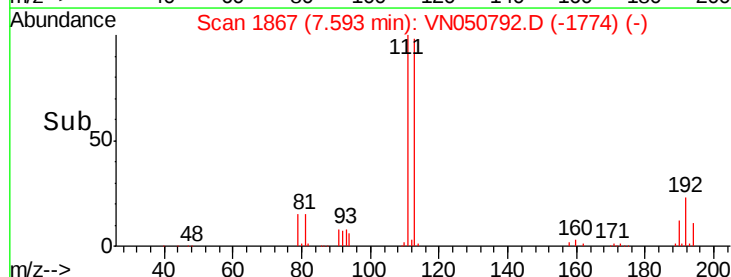
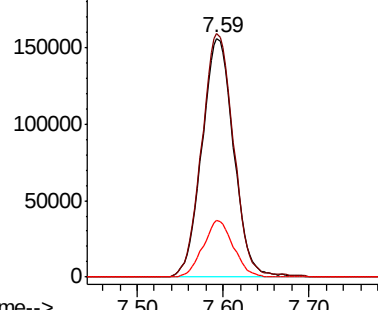


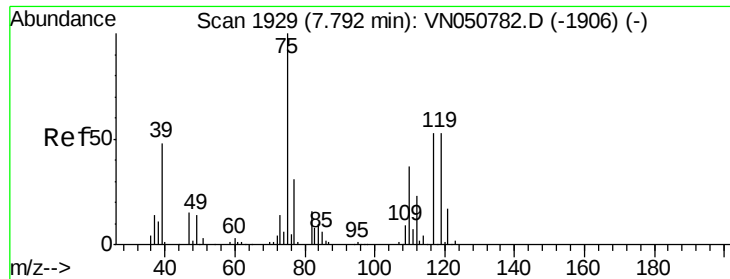
#35
 Dibromofluoromethane
 Concen: 50.183 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050792.D
 Acq: 21 Aug 2018 20:09

Tgt Ion:113 Resp: 399135
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 123.8
 192 22.8 18.0 27.0



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: 3.719 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

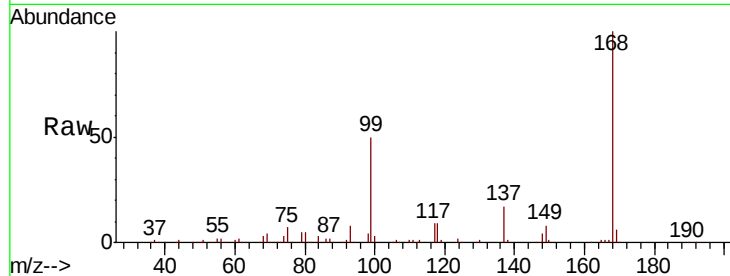
Tot Ion: 75 Resp: 43877

Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.4#

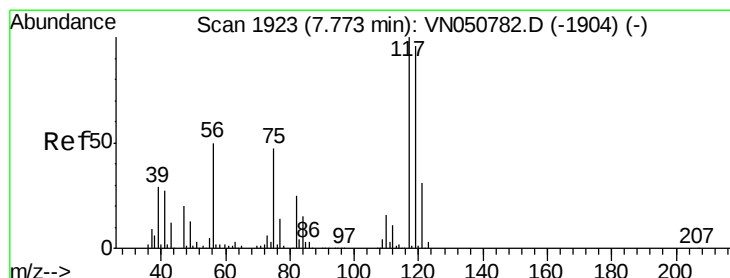
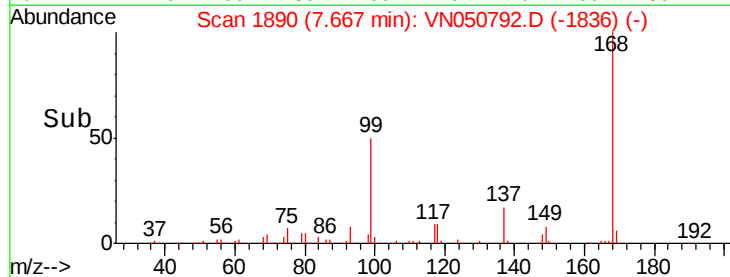
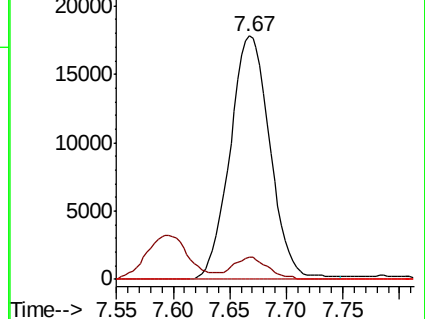
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN050792.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN050792.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN050792.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 4.750 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

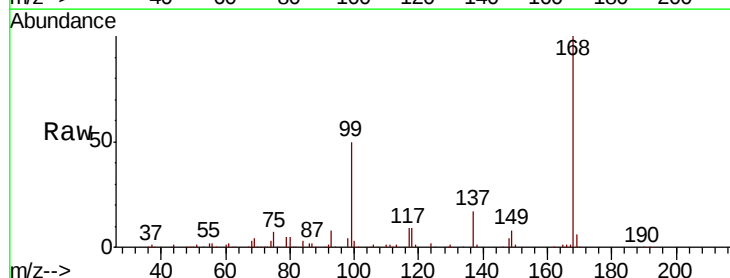
Tgt Ion: 117 Resp: 56642

Ion Ratio Lower Upper

117 100

119 5.7 76.3 114.5#

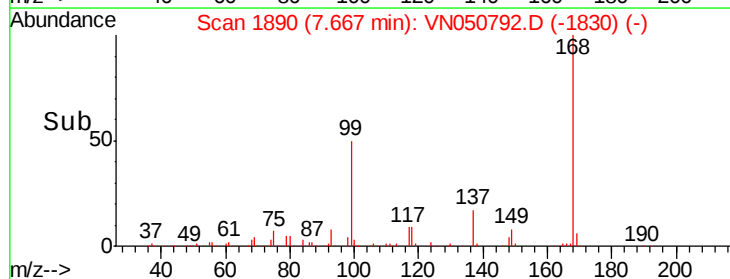
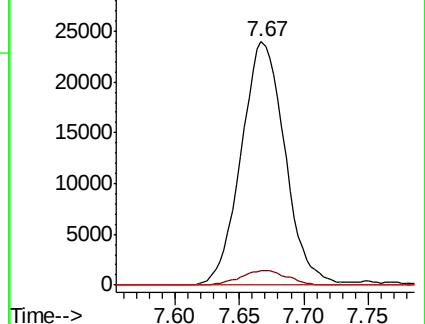
121 0.0 24.6 36.8#

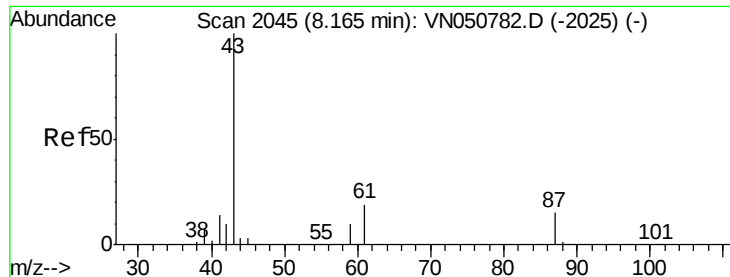


Abundance Ion 116.80 (116.50 to 117.50): VN050792.D (-1830) (-)

Ion 118.80 (118.50 to 119.50): VN050792.D (-1830) (-)

Ion 120.80 (120.50 to 121.50): VN050792.D (-1830) (-)





#43

Isopropyl Acetate

Concen: 0.892 ug/l

RT: 8.28 min Scan# 2081

Delta R.T. 0.12 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

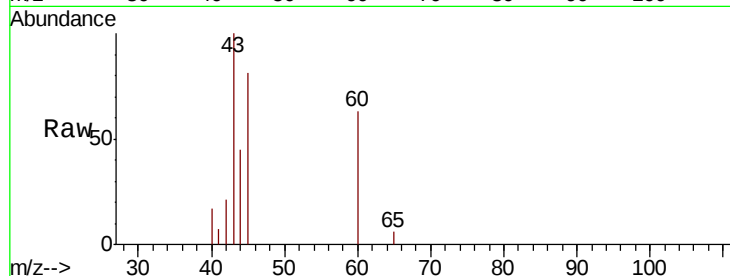
Tot Ion: 43 Resp: 10398

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

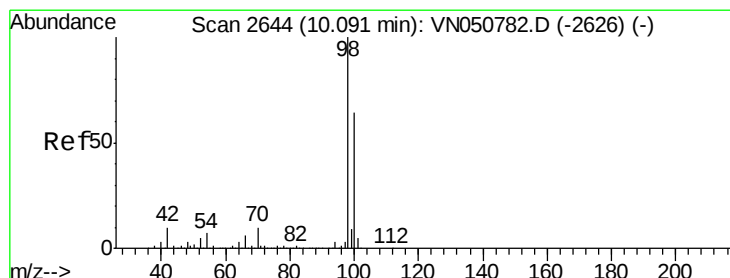
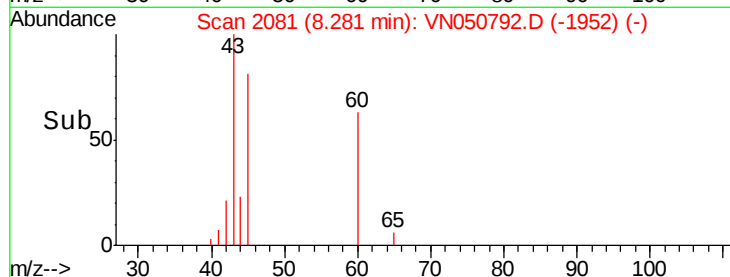
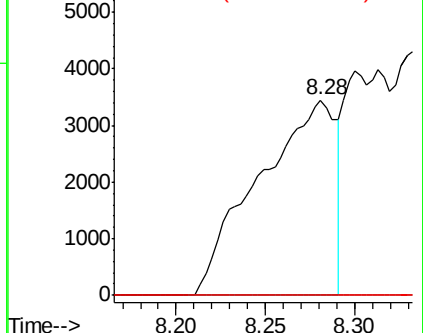
87 0.0 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050782.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050782.D (-2025) (-)



#50

Toluene-d8

Concen: 47.935 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050792.D

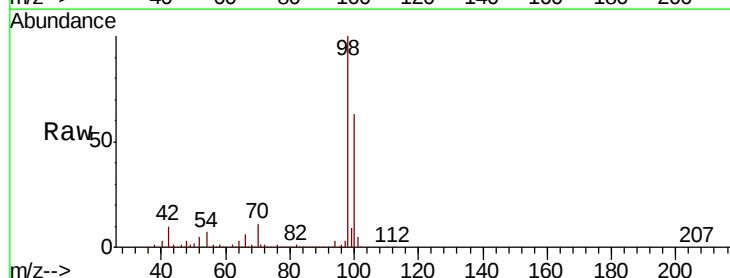
Acq: 21 Aug 2018 20:09

Tgt Ion: 98 Resp: 1425411

Ion Ratio Lower Upper

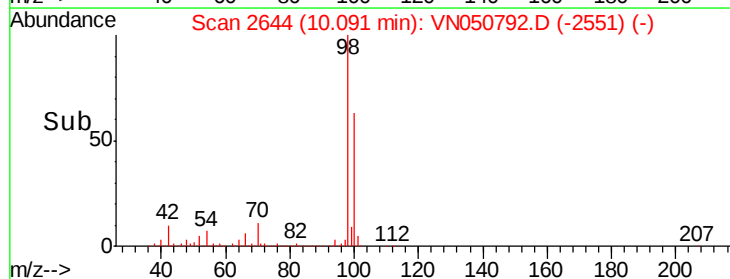
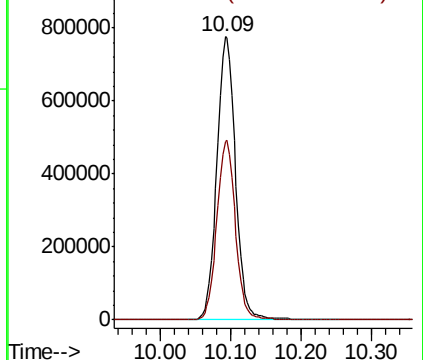
98 100

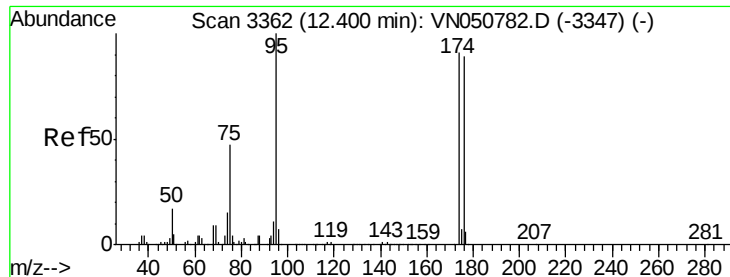
100 63.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN050782.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN050782.D (-2626) (-)





#62

4-Bromofluorobenzene

Concen: 37.305 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

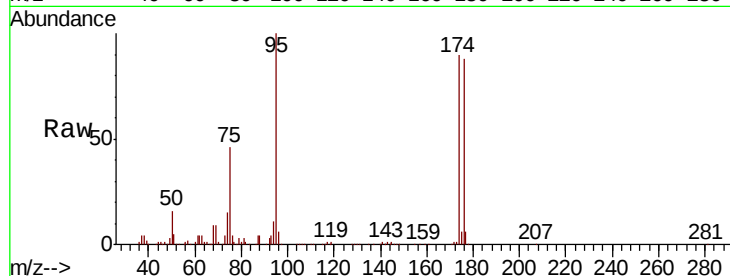
Tot Ion: 95 Resp: 368630

Ion Ratio Lower Upper

95 100

174 91.1 0.0 183.0

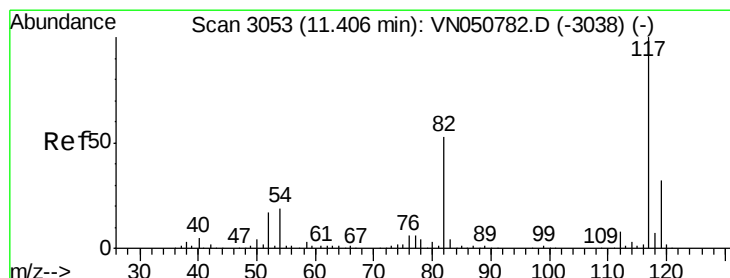
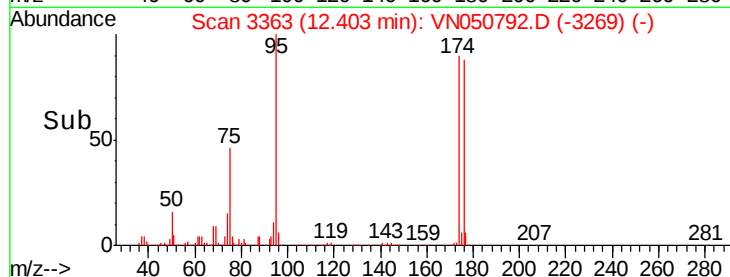
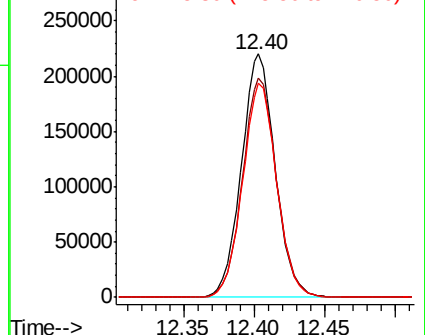
176 88.7 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050782.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050782.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050782.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

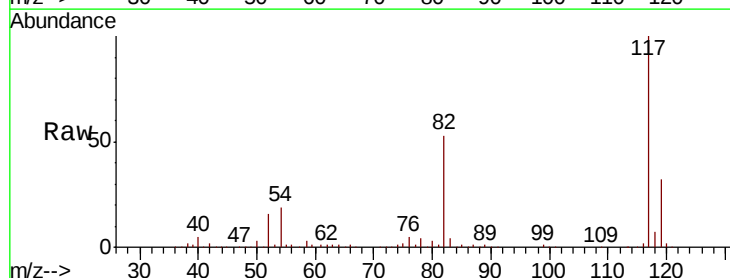
Tgt Ion: 117 Resp: 872066

Ion Ratio Lower Upper

117 100

82 52.9 42.6 64.0

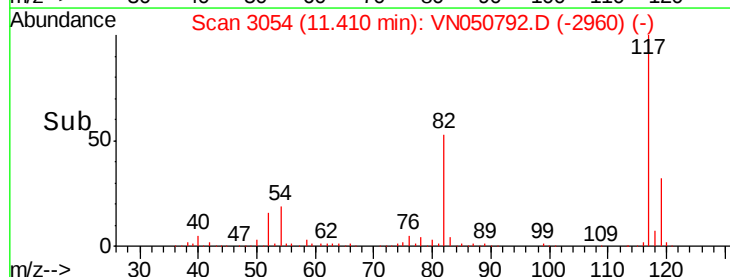
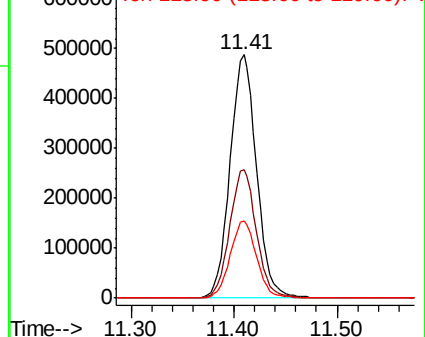
119 31.9 25.8 38.6

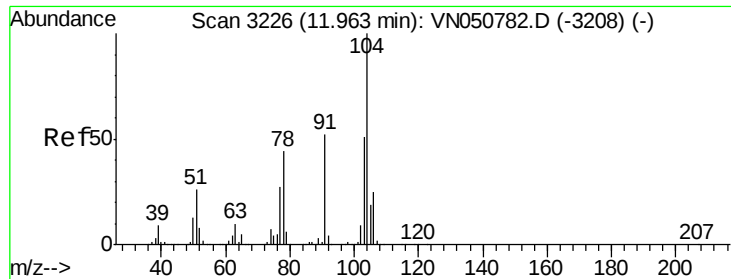


Abundance Ion 116.90 (116.60 to 117.60): VN050782.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050782.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050782.D (-3038) (-)





#70

Stvrene

Concen: 1.278 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

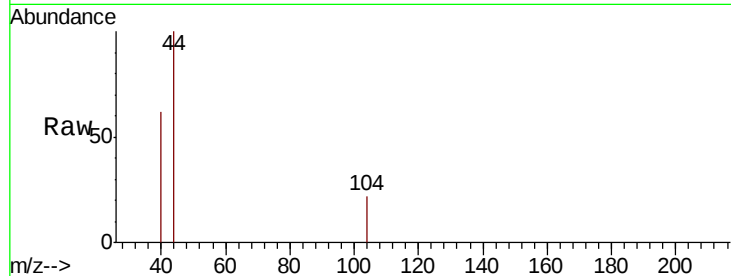
Tot Ion:104 Resp: 190

Ion Ratio Lower Upper

104 100

78 0.0 38.2 57.4#

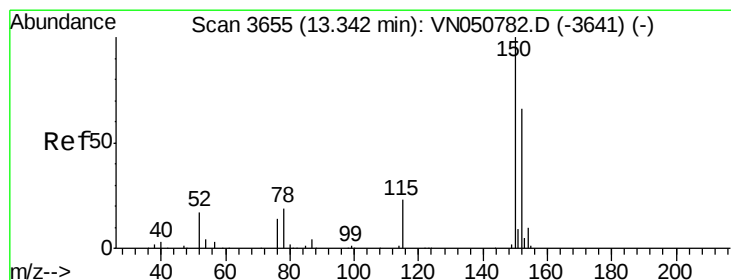
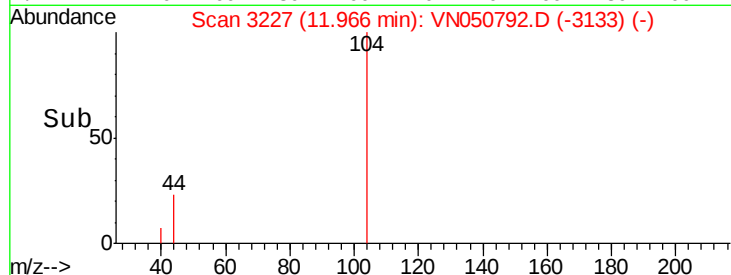
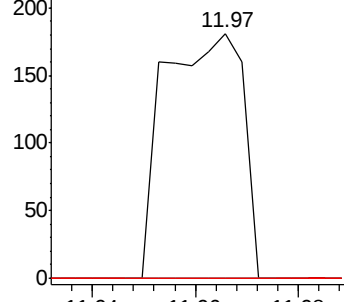
103 0.0 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): 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: VN050792.D

Acq: 21 Aug 2018 20:09

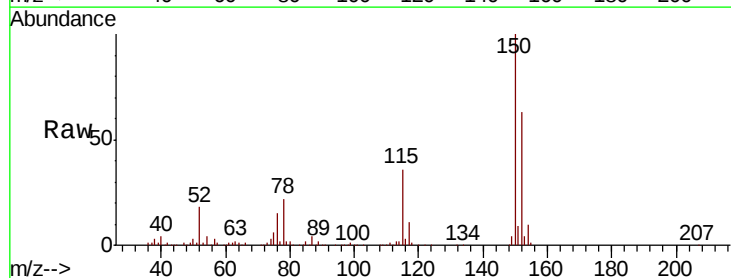
Tgt Ion:152 Resp: 278337

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.4

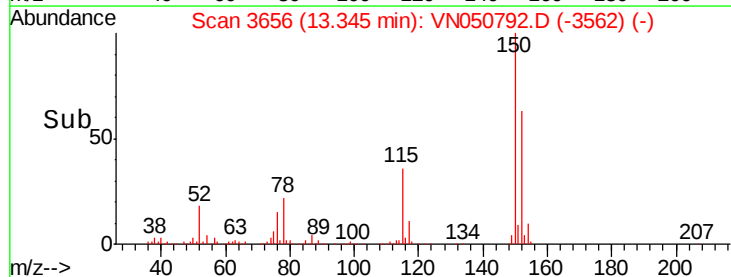
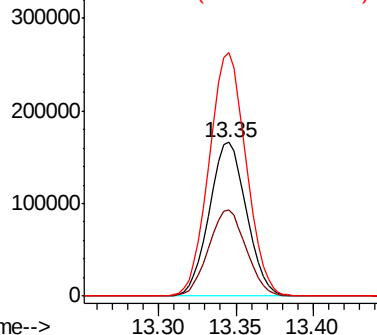
150 157.5 0.0 351.4

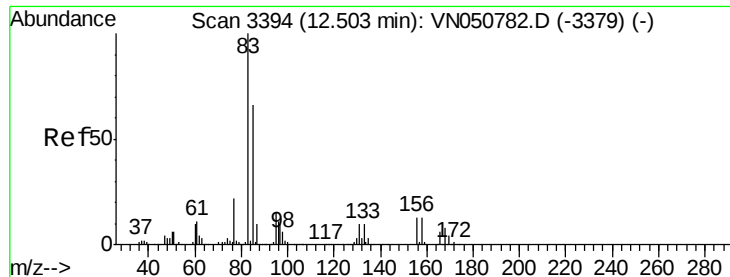


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

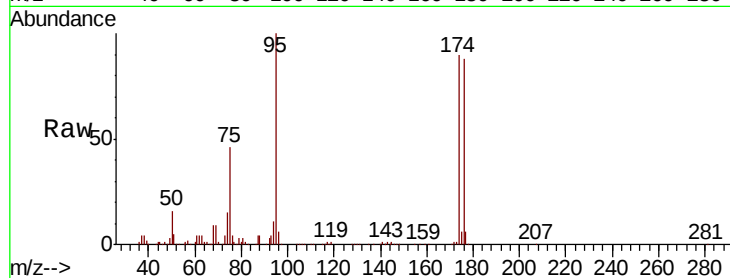
Tot Ion: 83 Resp: 151

Ion Ratio Lower Upper

83 100

131 219.2 5.3 15.9#

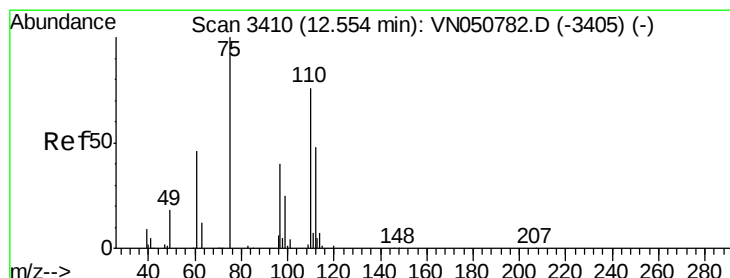
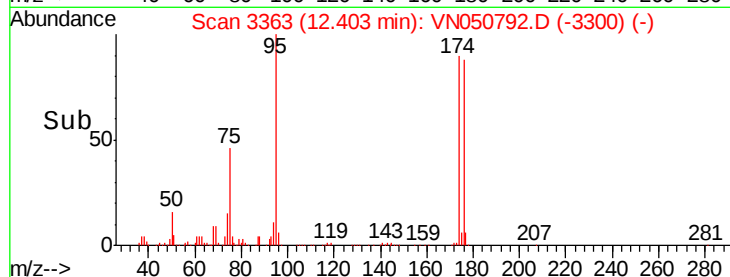
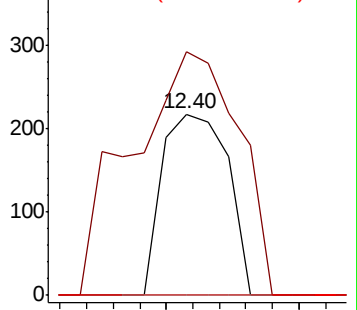
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 35.589 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050792.D

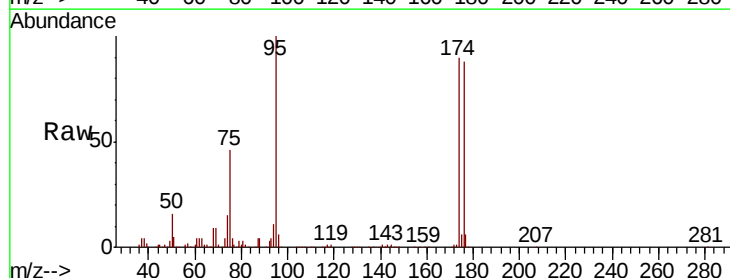
Acq: 21 Aug 2018 20:09

Tgt Ion: 75 Resp: 173501

Ion Ratio Lower Upper

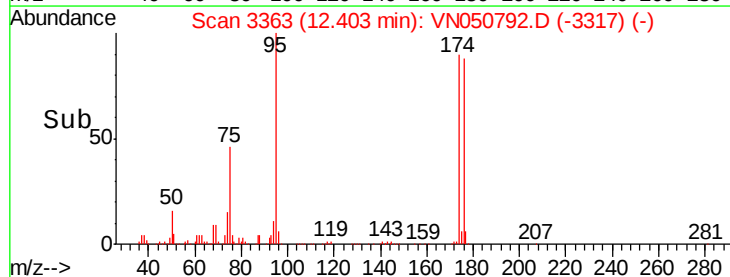
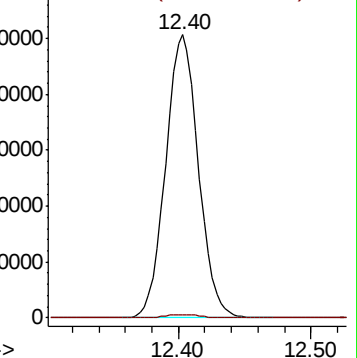
75 100

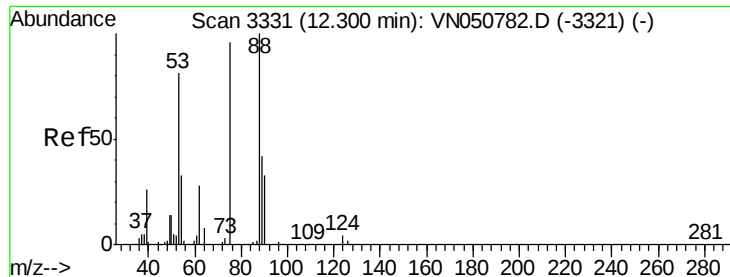
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 120.313 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

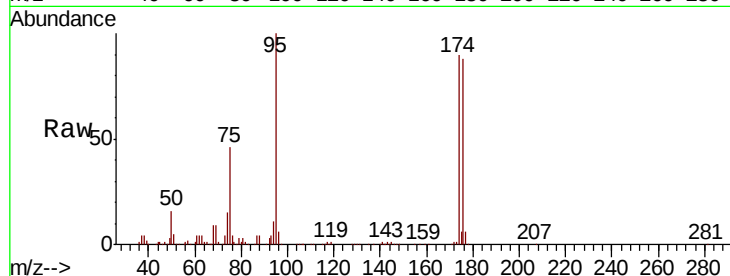
Tot Ion: 75 Resp: 173501

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

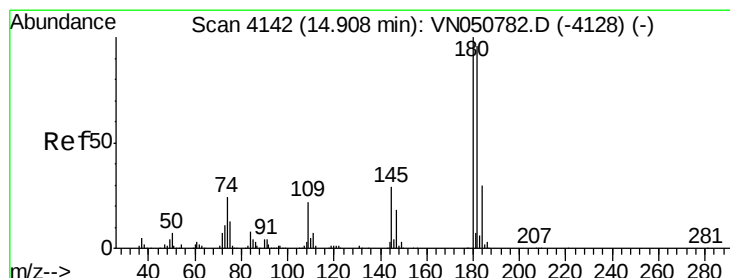
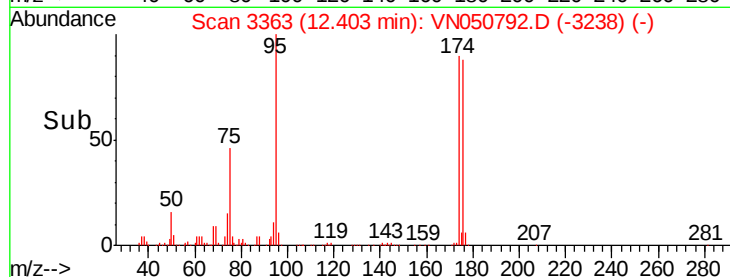
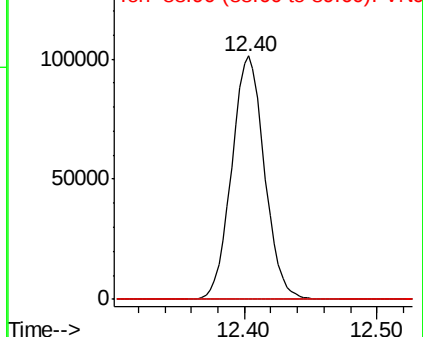
89 0.0 36.1 54.1#



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



#93

1,2,4-Trichlorobenzene

Concen: 4.101 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

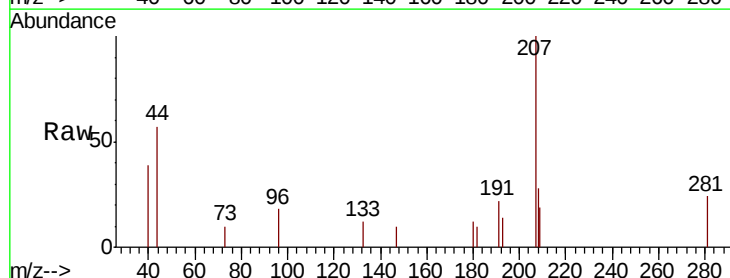
Tgt Ion: 180 Resp: 107

Ion Ratio Lower Upper

180 100

182 179.4 48.2 144.6#

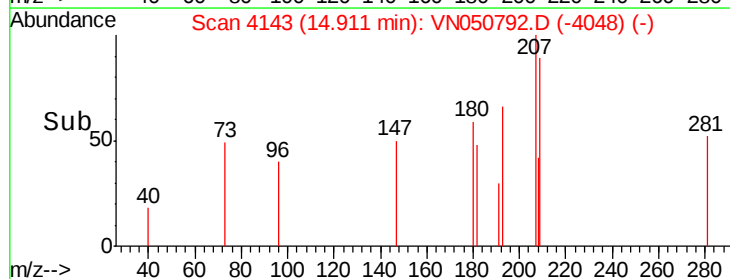
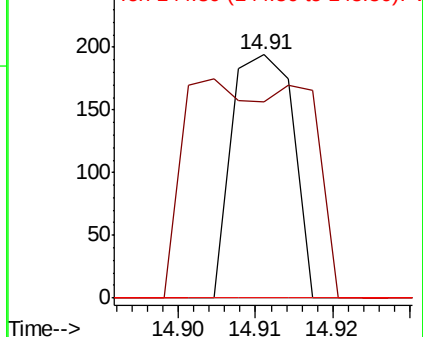
145 0.0 14.1 42.2#

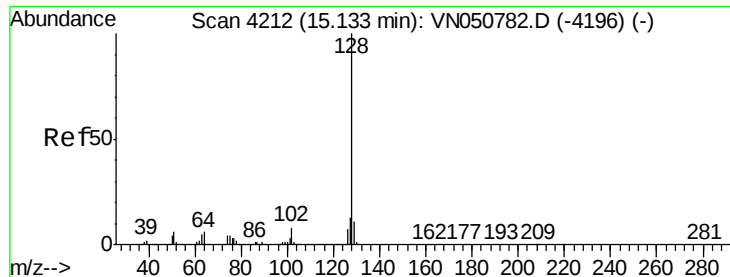


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 5.446 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

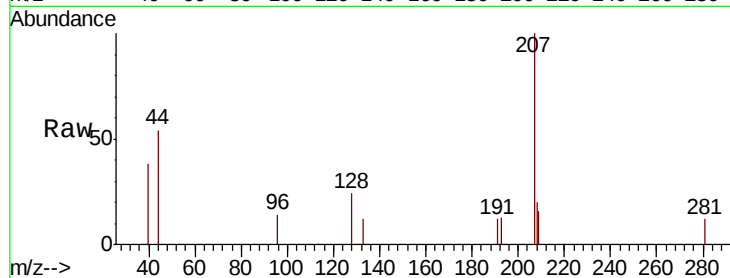
Tot Ion:128 Resp: 572

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#

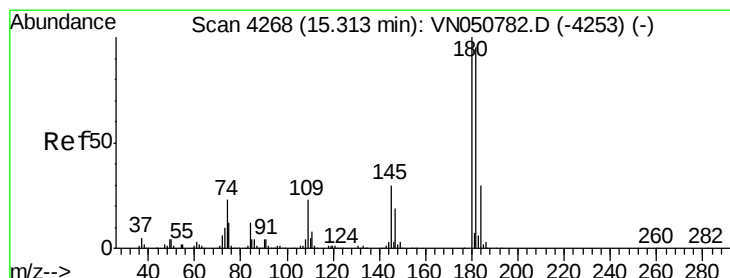
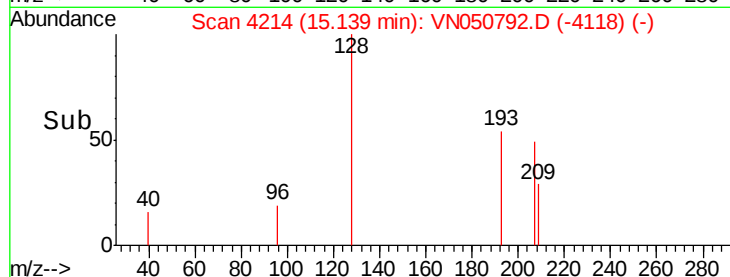
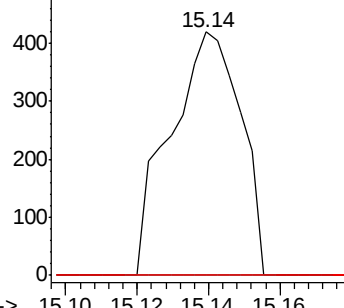


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 3.353 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.01 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

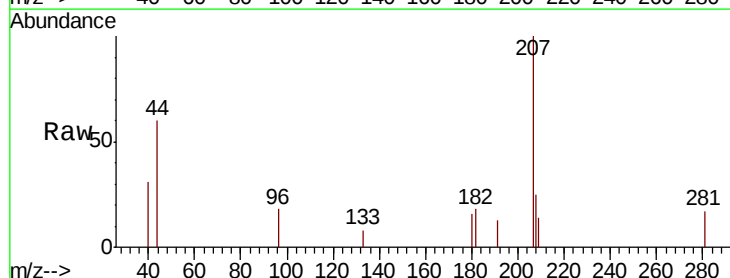
Tgt Ion:180 Resp: 305

Ion Ratio Lower Upper

180 100

182 97.0 48.0 144.2

145 0.0 15.2 45.6#



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

