

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050615.D
 Acq On : 14 Aug 2018 20:32
 Operator : MD\SY
 Sample : J4465-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)

Quant Time: Aug 15 07:12:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

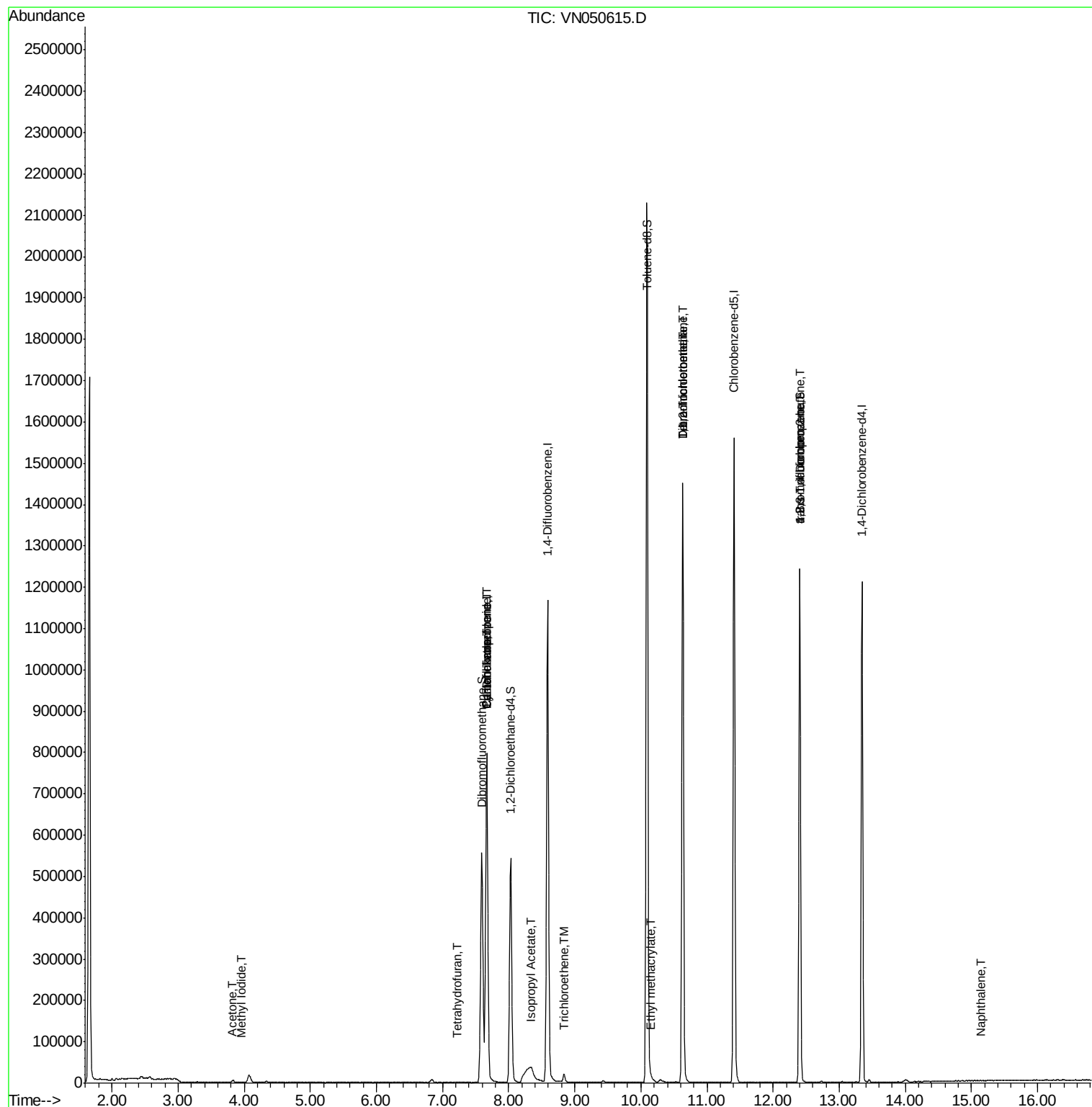
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	680263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1090966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	944079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	344865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	457048	53.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.60%	
35) Dibromofluoromethane	7.59	113	426082	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
50) Toluene-d8	10.09	98	1534498	46.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.62%	
62) 4-Bromofluorobenzene	12.40	95	419345	38.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.44%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.06	50	2380	Below Cal	#	77
5) Bromomethane	2.57	94	3094	Below Cal	#	72
6) Chloroethane	2.70	64	60	Below Cal	#	43
10) Methyl Iodide	3.95	142	614	7.041	ug/l #	64
16) Acetone	3.82	43	8599	2.582	ug/l	91
18) Methyl Acetate	4.33	43	4952	Below Cal	#	66
20) Methylene Chloride	4.55	84	722	Below Cal	#	66
29) Tetrahydrofuran	7.23	42	515	0.281	ug/l #	33
31) Cyclohexane	7.67	56	12427	0.615	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47947	3.948	ug/l #	48
38) Carbon Tetrachloride	7.67	117	60765	4.823	ug/l #	16
43) Isopropyl Acetate	8.32	43	70836	5.662	ug/l #	61
44) Trichloroethene	8.84	130	7105	0.718	ug/l	94
55) 1,1,2-Trichloroethane	10.63	97	2524	0.306	ug/l #	1
56) Ethyl methacrylate	10.16	69	30	1.907	ug/l #	1
60) Dibromochloromethane	10.63	129	314692	34.600	ug/l #	10
64) Tetrachloroethene	10.63	164	369866	42.186	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.42	83	29	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	197526	35.146	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	197526	127.337	ug/l #	13
95) Naphthalene	15.14	128	205	3.875	ug/l #	69

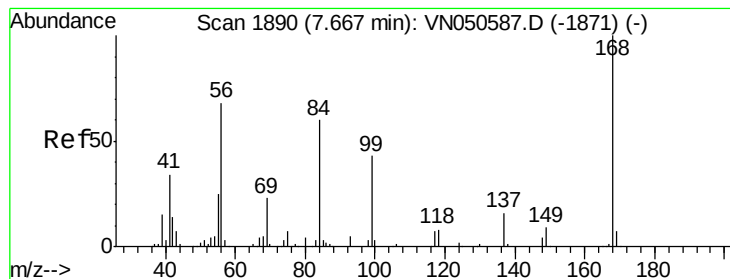
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

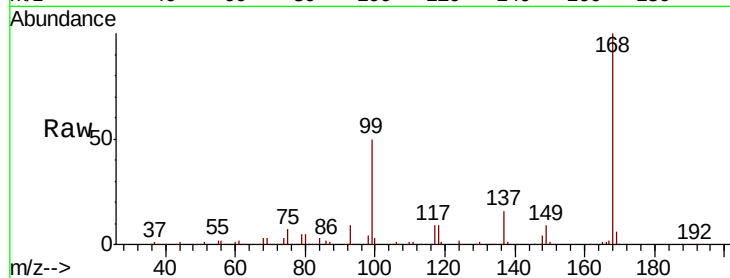
944-MW-05(17)

Tgt Ion:168 Resp: 680263

Ion Ratio Lower Upper

168 100

99 49.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

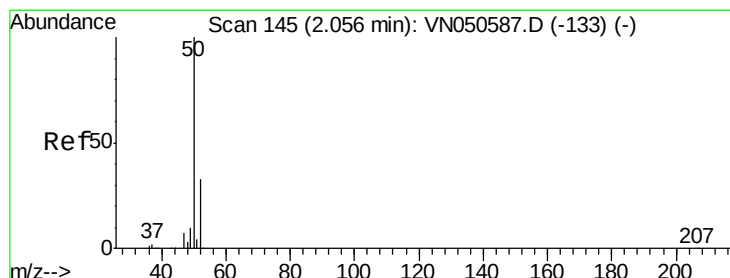
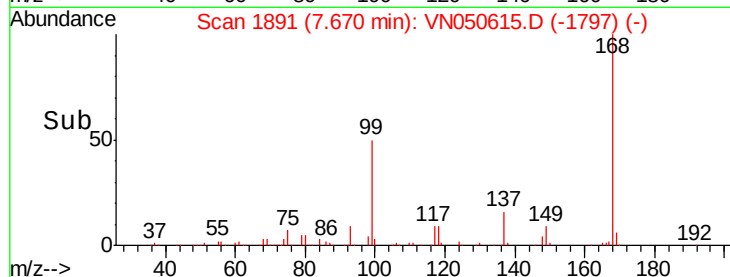
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050615.D

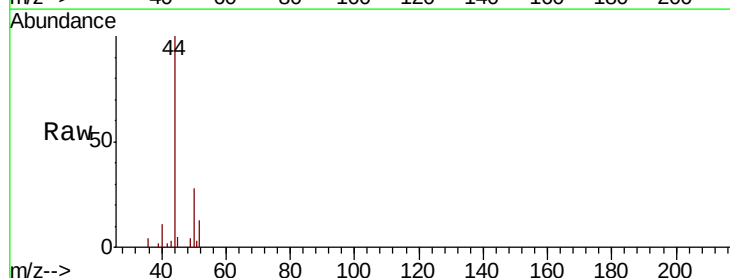
Acq: 14 Aug 2018 20:32

Tgt Ion: 50 Resp: 2380

Ion Ratio Lower Upper

50 100

52 45.5 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN050587.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050587.D (-133) (-)

2.06

2000

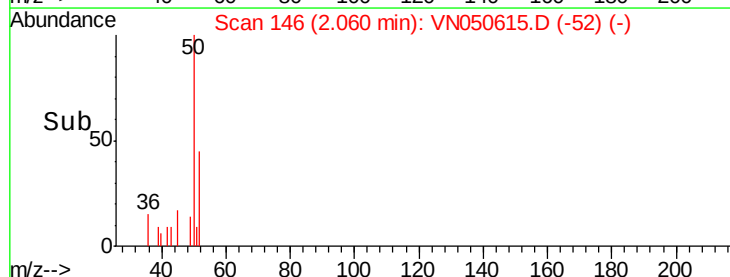
1500

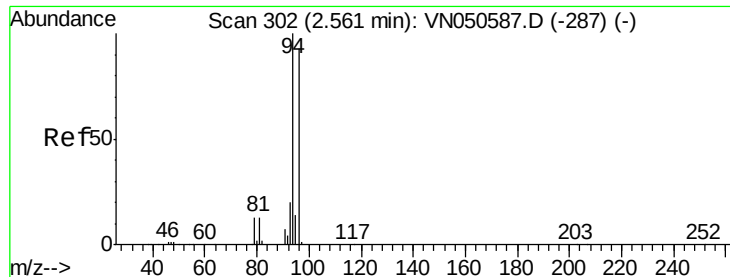
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

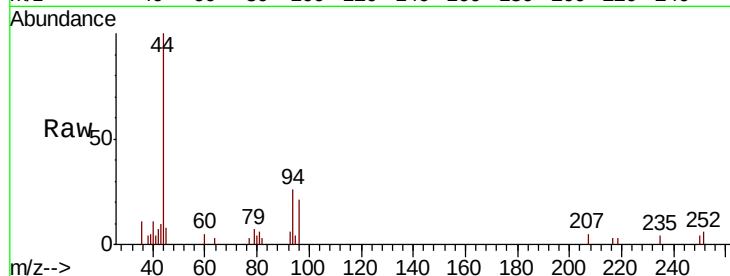
944-MW-05(17)

Tgt Ion: 94 Resp: 3094

Ion Ratio Lower Upper

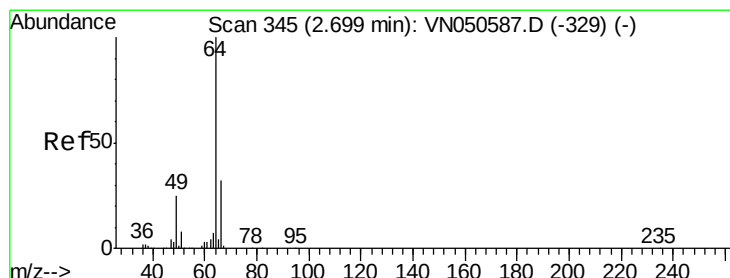
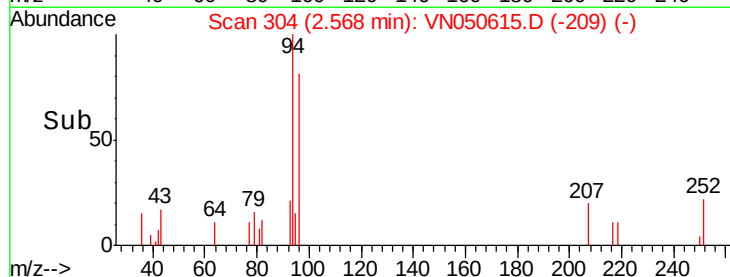
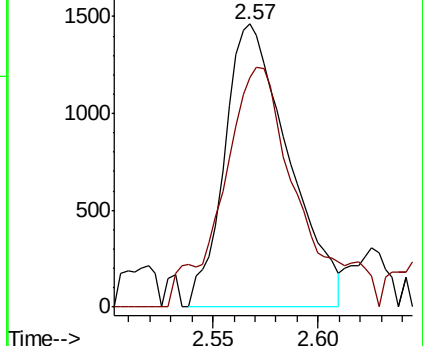
94 100

96 66.1 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050615.D

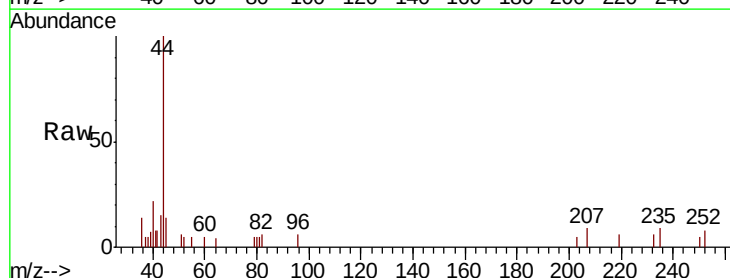
Acq: 14 Aug 2018 20:32

Tgt Ion: 64 Resp: 60

Ion Ratio Lower Upper

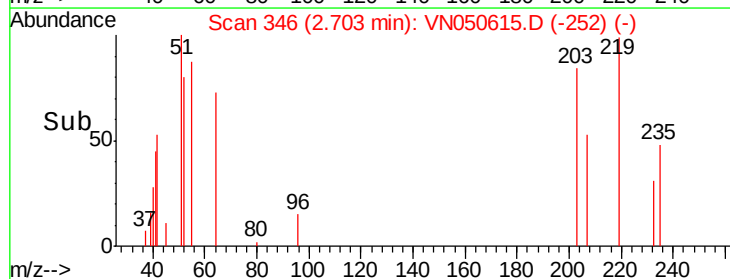
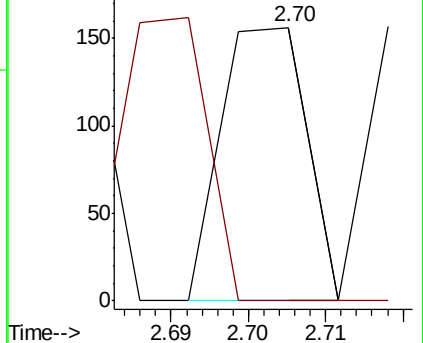
64 100

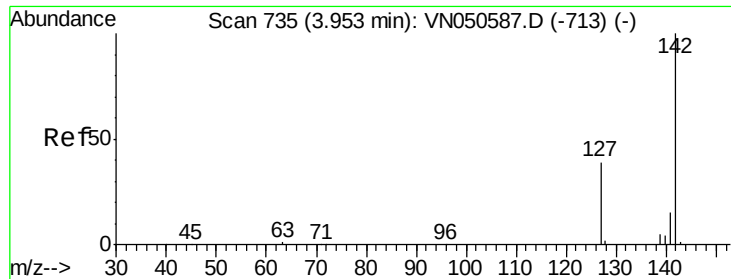
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

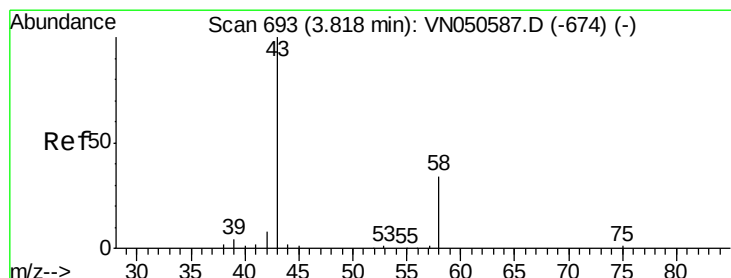
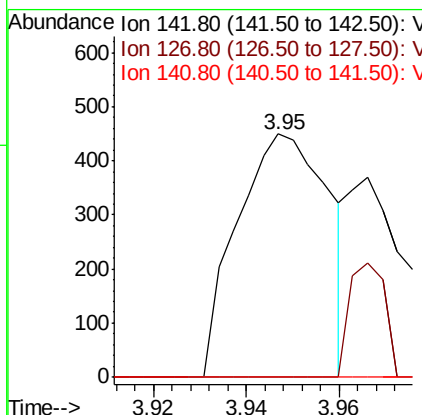
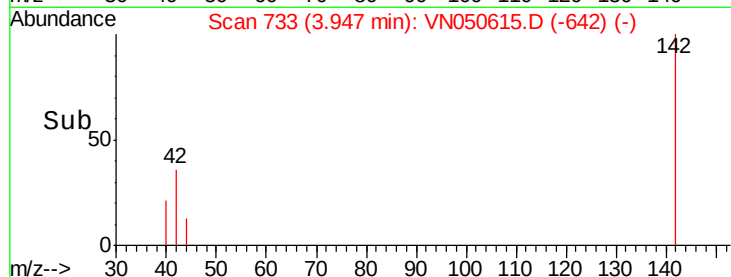
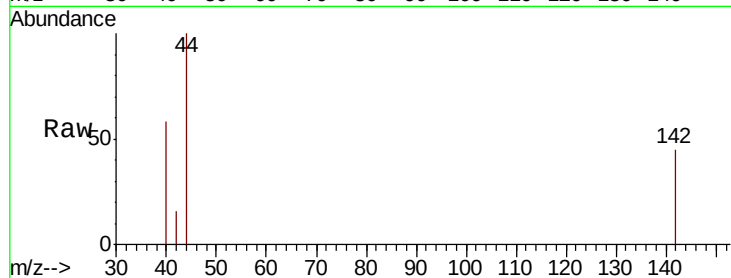




#10
Methyl Iodide
Concen: 7.041 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.01 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

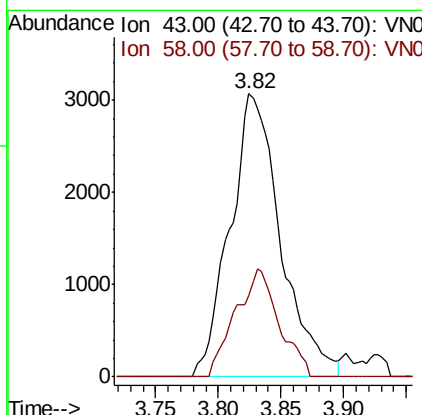
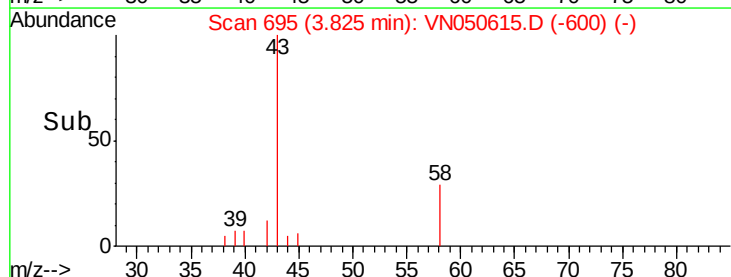
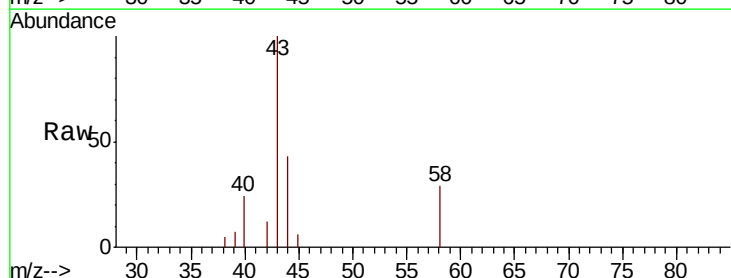
Instrument :
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944-MW-05(17)

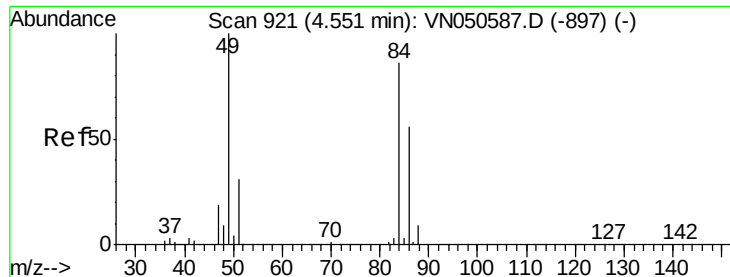
Tgt Ion: 142 Resp: 614
Ion Ratio Lower Upper
142 100
127 18.2 32.6 49.0#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 2.582 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

Tgt Ion: 43 Resp: 8599
Ion Ratio Lower Upper
43 100
58 28.6 27.1 40.7

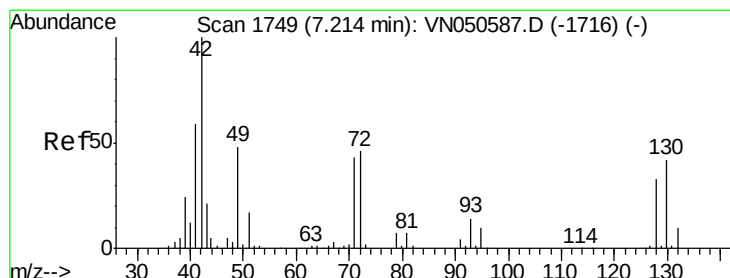
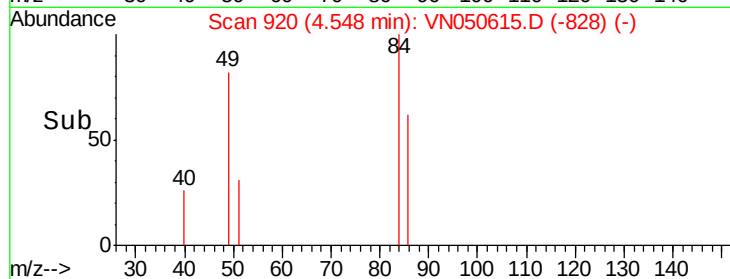
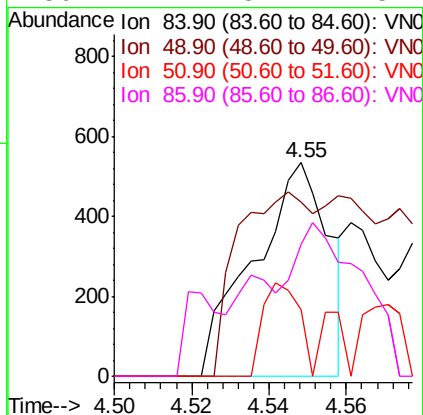
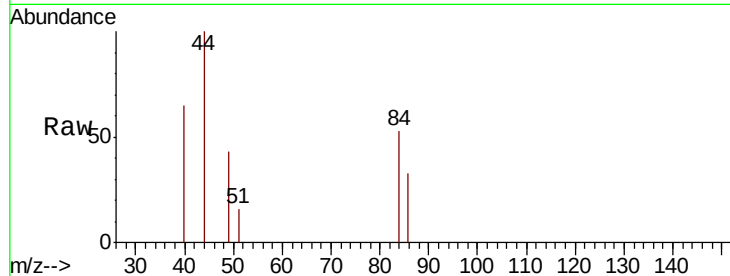




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

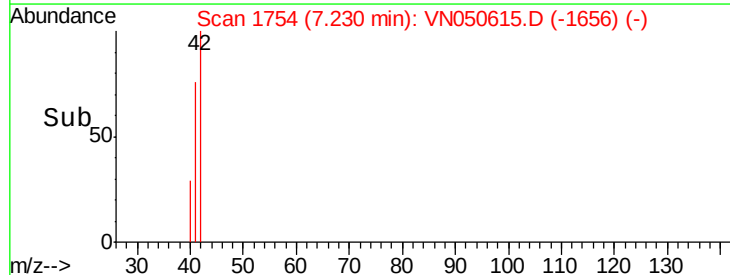
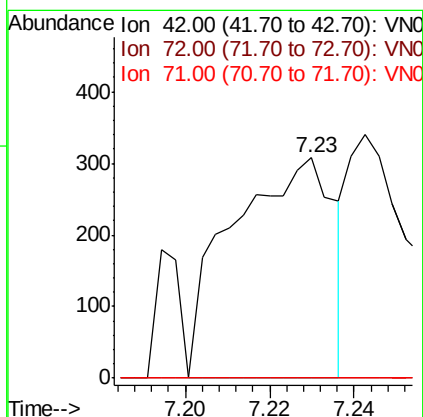
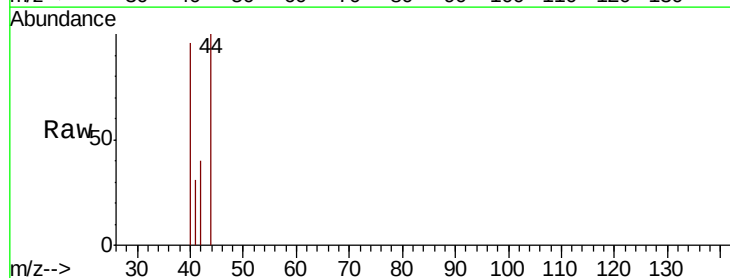
Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)

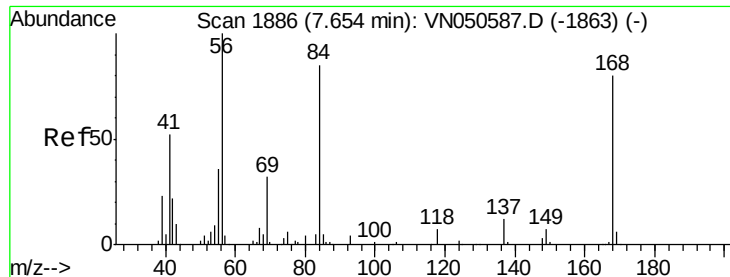
Tgt Ion:	84	Resp:	722
Ion	Ratio	Lower	Upper
84	100		
49	81.7	92.6	138.8#
51	31.0	28.6	43.0
86	22.2	52.2	78.2#



#29
Tetrahydrofuran
Concen: 0.281 ug/l
RT: 7.23 min Scan# 1754
Delta R.T. 0.02 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

Tgt Ion:	42	Resp:	515
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.8	53.6#
71	0.0	33.4	50.0#

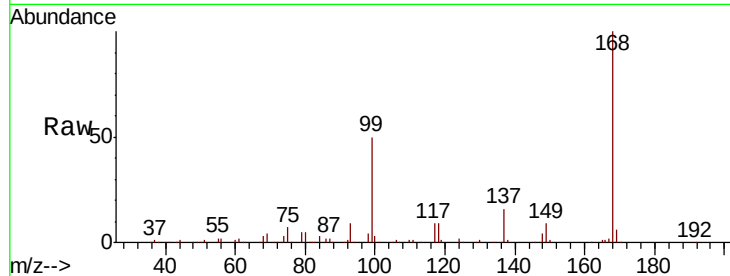




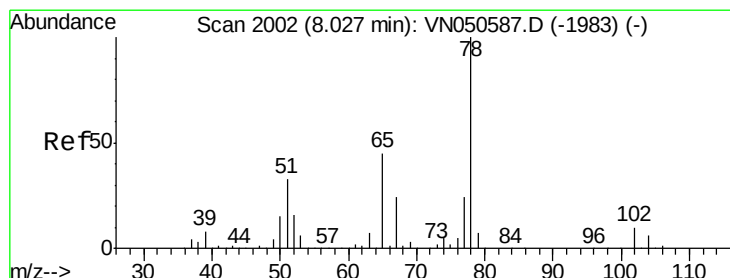
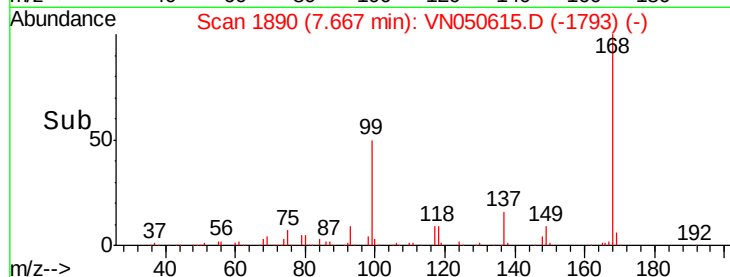
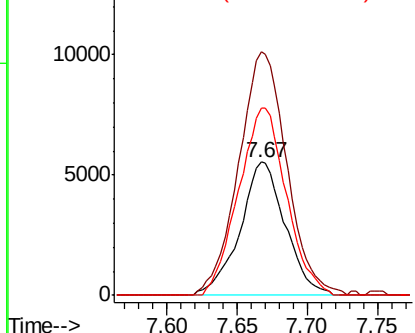
#31
Cyclohexane
Concen: 0.615 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)

Tgt Ion: 56 Resp: 12427
Ion Ratio Lower Upper
56 100
69 182.6 25.8 38.6#
84 140.2 67.8 101.6#

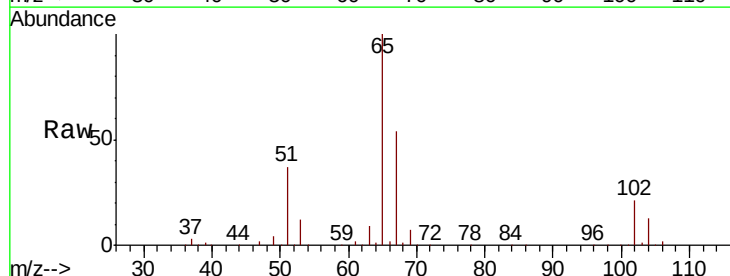


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

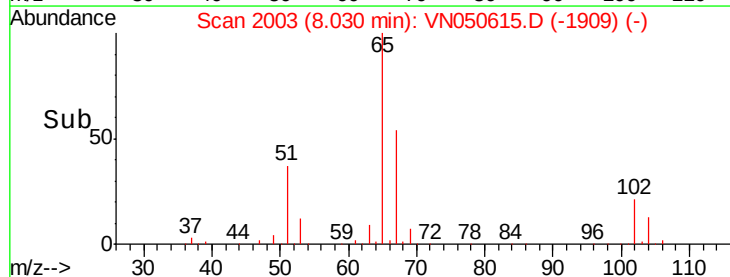
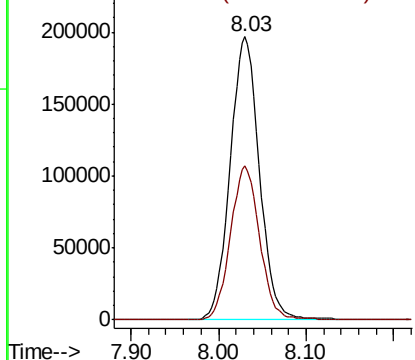


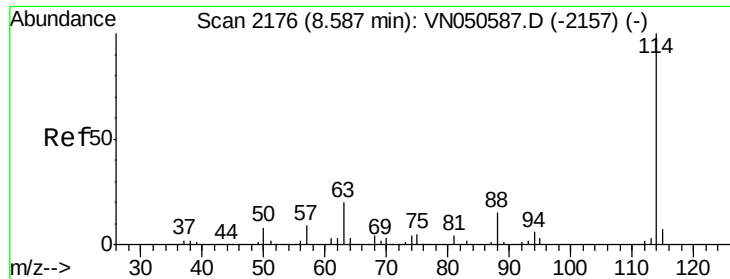
#33
1,2-Dichloroethane-d4
Concen: 53.302 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

Tgt Ion: 65 Resp: 457048
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

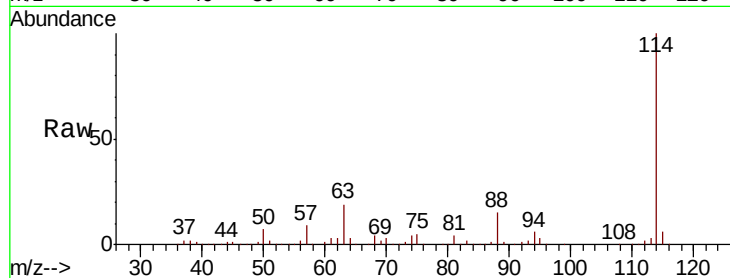




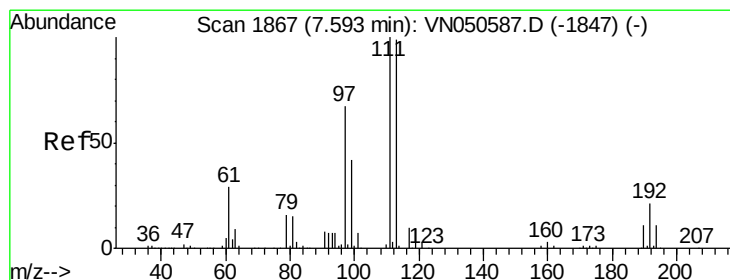
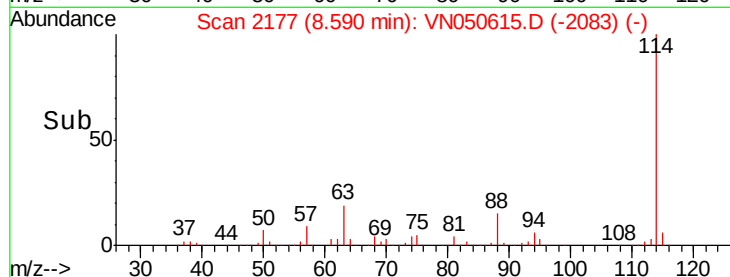
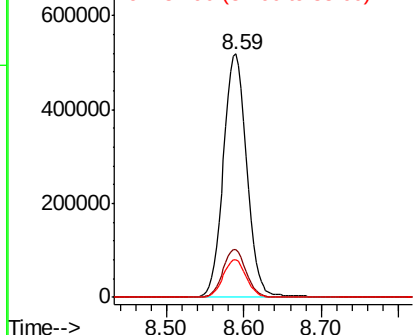
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

Instrument :
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Tgt Ion:114 Resp: 1090966
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.4 0.0 30.8

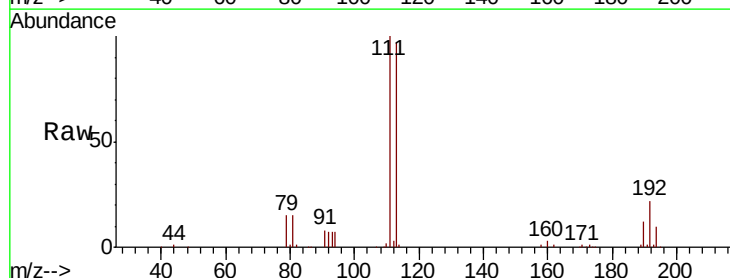


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

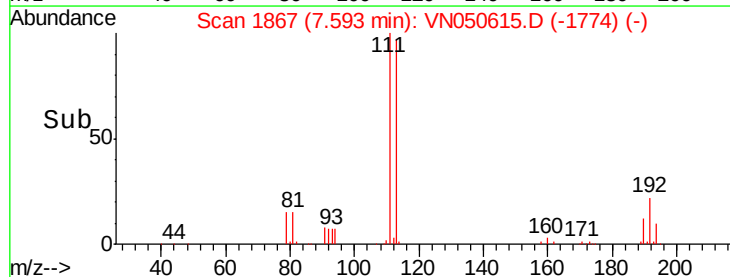
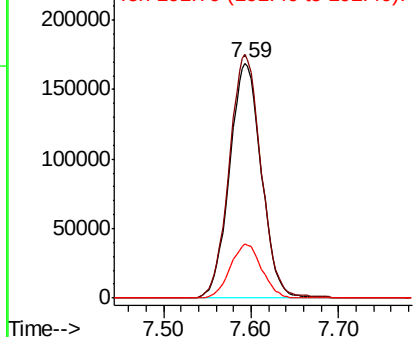


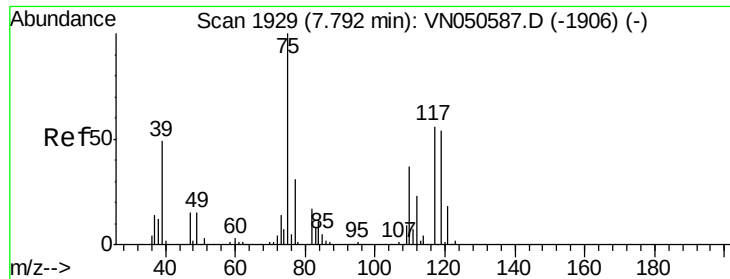
#35
 Dibromofluoromethane
 Concen: 48.919 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

Tgt Ion:113 Resp: 426082
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.0 121.6
 192 22.8 17.6 26.4



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

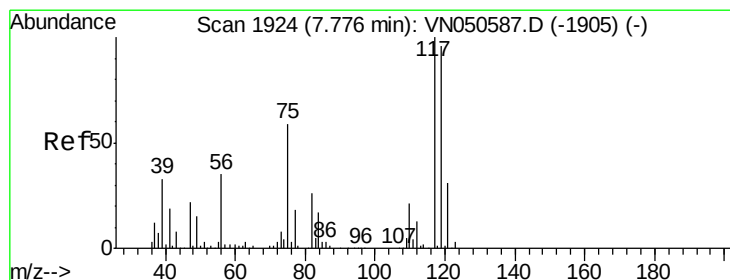
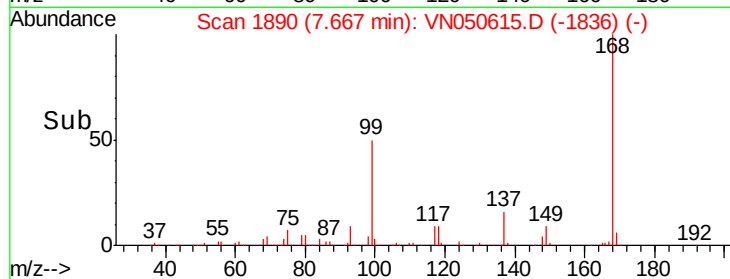
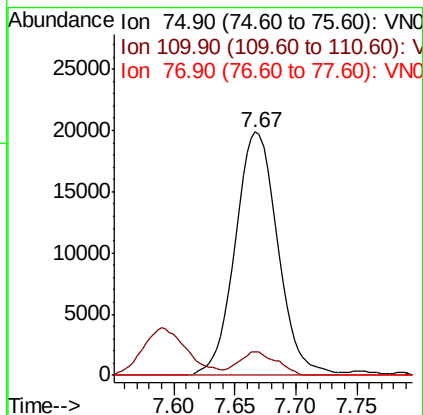
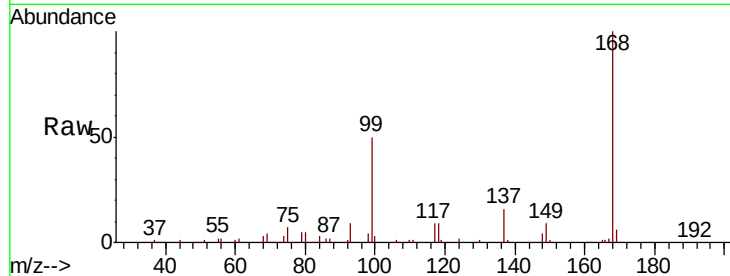




#36
 1,1-Dichloropropene
 Concen: 3.948 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

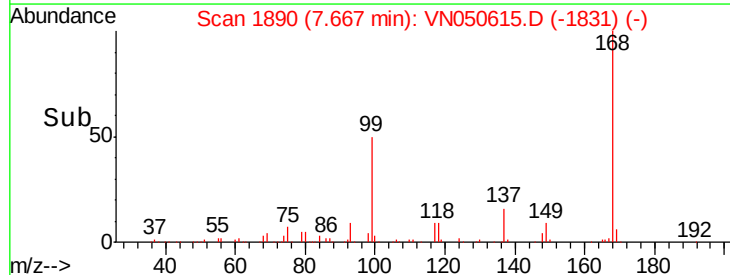
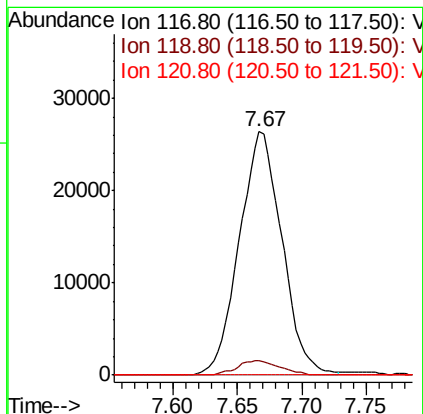
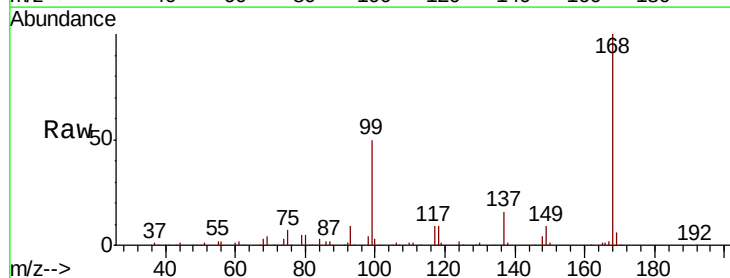
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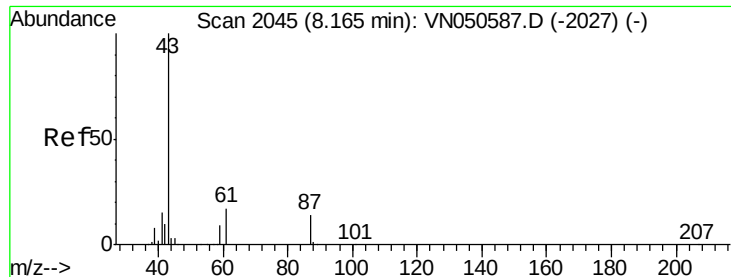
Tgt Ion: 75 Resp: 47947
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.3 54.9#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 4.823 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

Tgt Ion: 117 Resp: 60765
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.6 115.0#
 121 0.0 25.0 37.6#

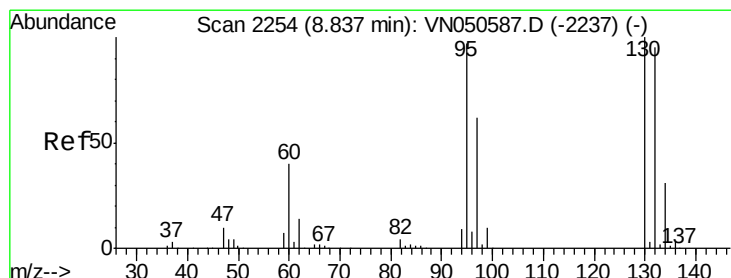
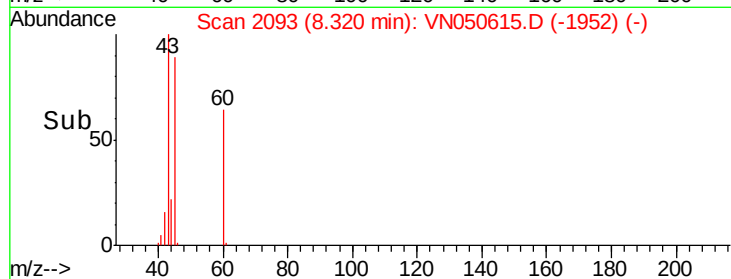
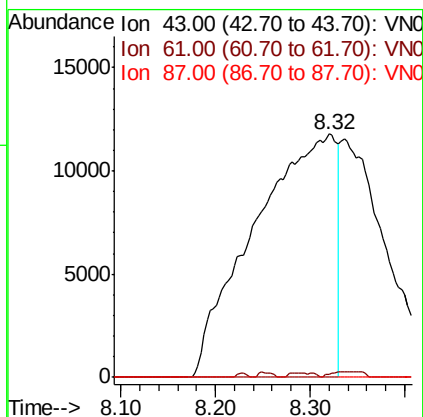
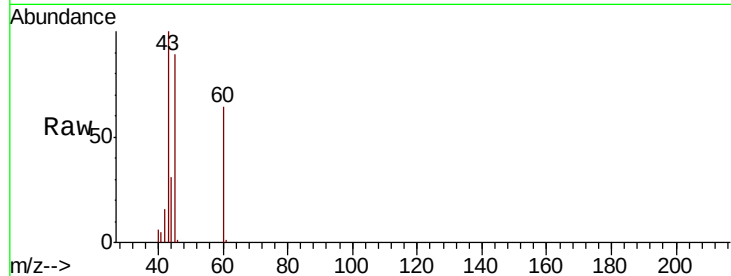




#43
Isopropyl Acetate
Concen: 5.662 ug/l
RT: 8.32 min Scan# 2093
Delta R.T. 0.15 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

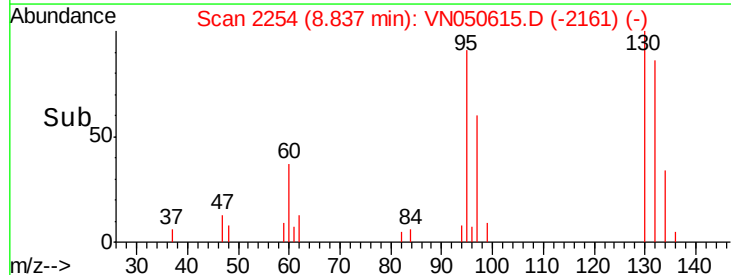
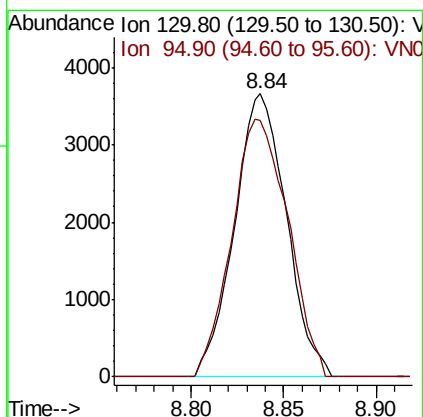
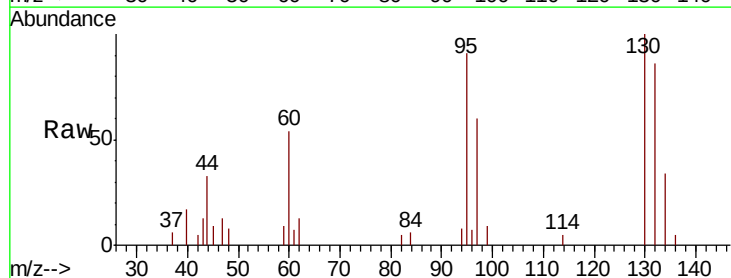
Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)

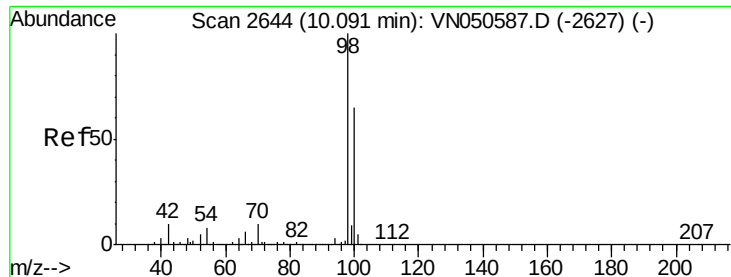
Tgt Ion: 43 Resp: 70836
Ion Ratio Lower Upper
43 100
61 0.9 16.2 24.2#
87 0.0 10.9 16.3#



#44
Trichloroethene
Concen: 0.718 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

Tgt Ion: 130 Resp: 7105
Ion Ratio Lower Upper
130 100
95 90.7 0.0 193.8





#50

Toluene-d8

Concen: 46.812 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

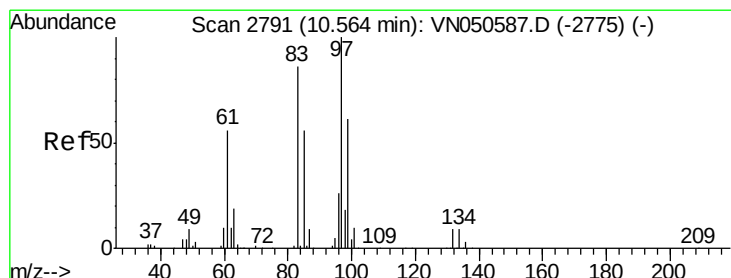
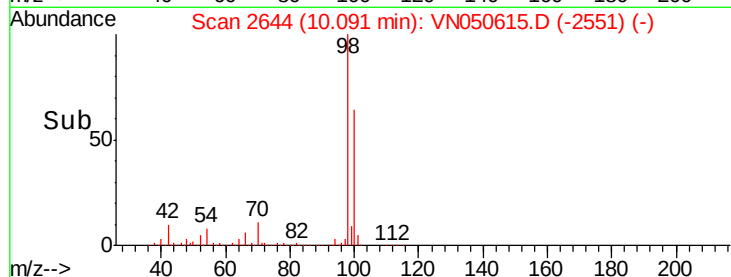
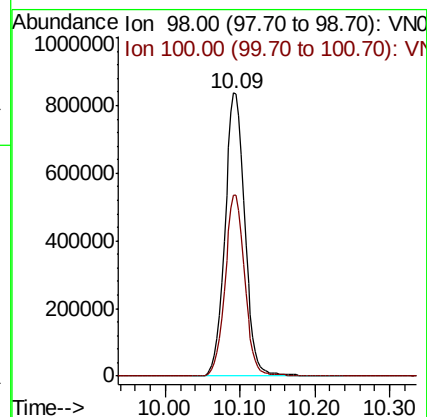
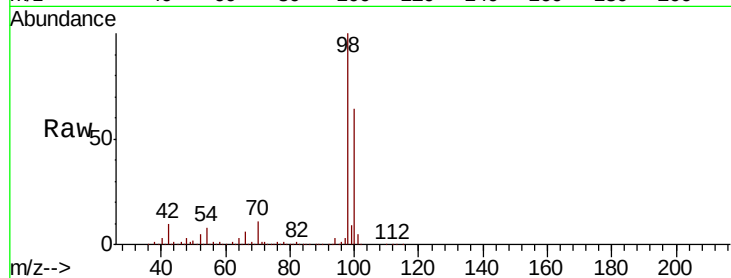
944-MW-05(17)

Tgt Ion: 98 Resp: 1534498

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.8



#55

1,1,2-Trichloroethane

Concen: 0.306 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.07 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

Tgt Ion: 97 Resp: 2524

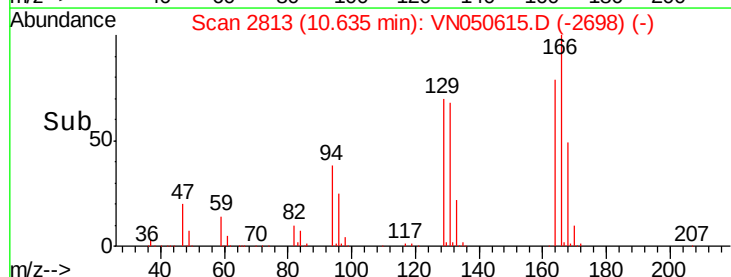
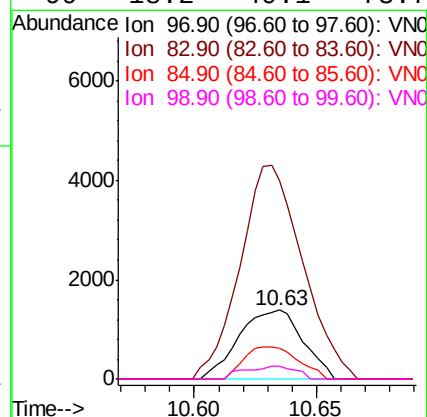
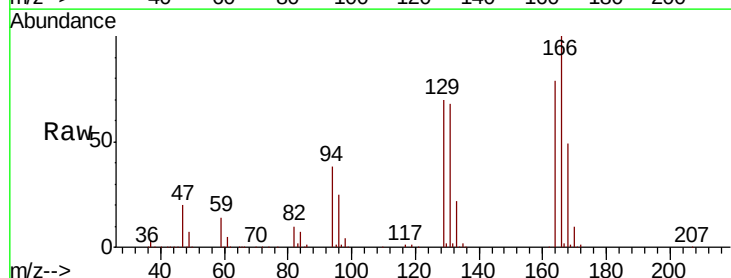
Ion Ratio Lower Upper

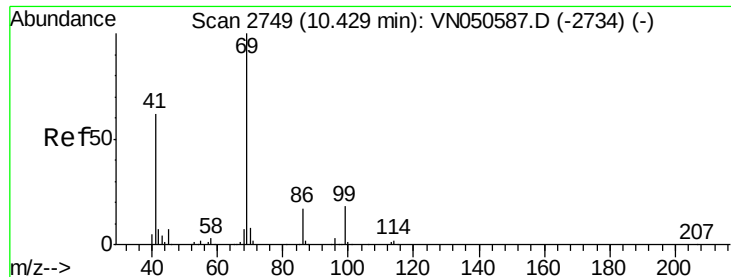
97 100

83 287.5 68.5 102.7#

85 44.7 44.6 66.8

99 18.2 49.1 73.7#





#56

Ethyl methacrylate

Concen: 1.907 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.27 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)

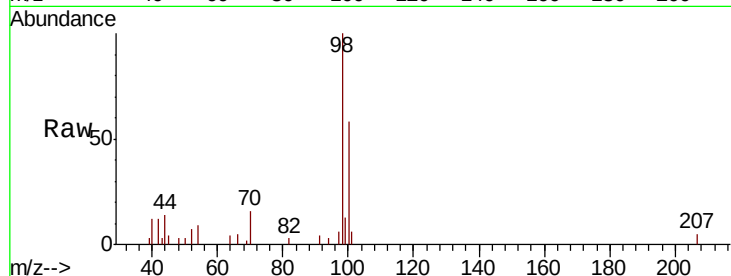
Tgt Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 0.0 49.7 74.5#

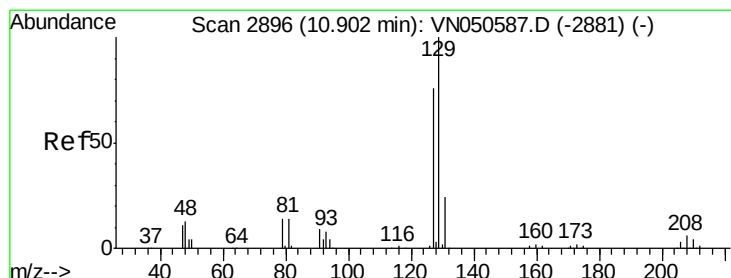
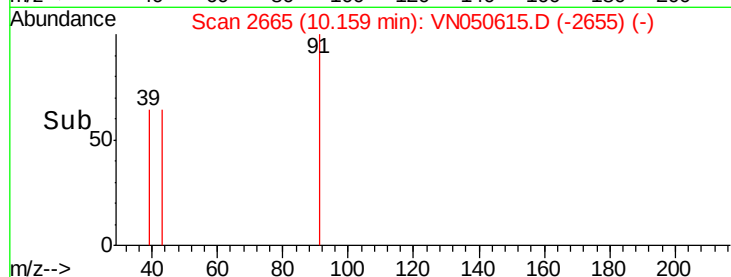
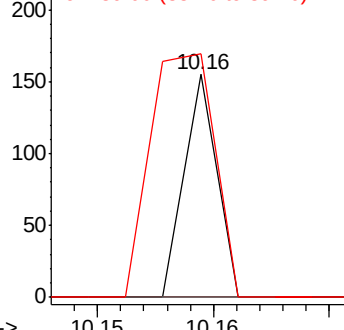
39 213.3 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#60

Dibromochloromethane

Concen: 34.600 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.27 min

Lab File: VN050615.D

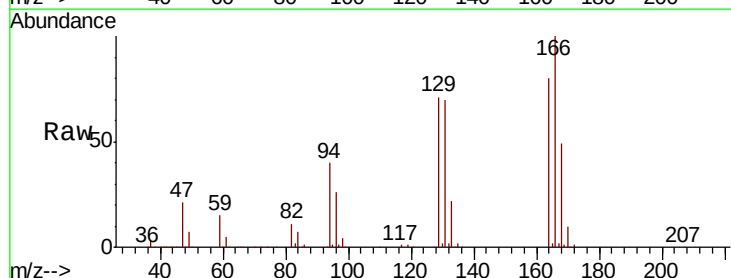
Acq: 14 Aug 2018 20:32

Tgt Ion: 129 Resp: 314692

Ion Ratio Lower Upper

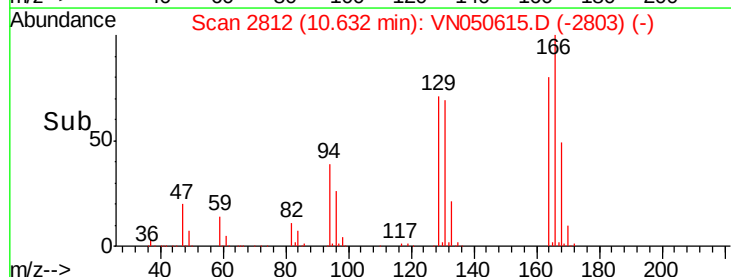
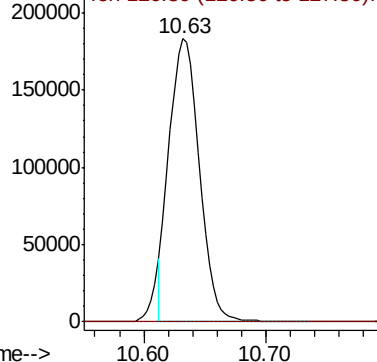
129 100

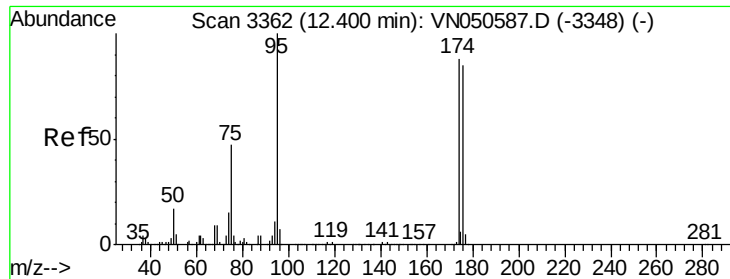
127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 38.723 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)

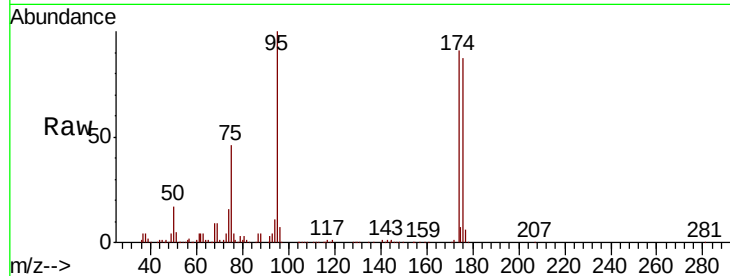
Tgt Ion: 95 Resp: 419345

Ion Ratio Lower Upper

95 100

174 91.4 0.0 177.8

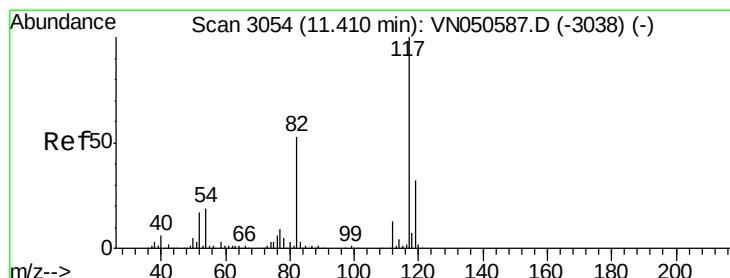
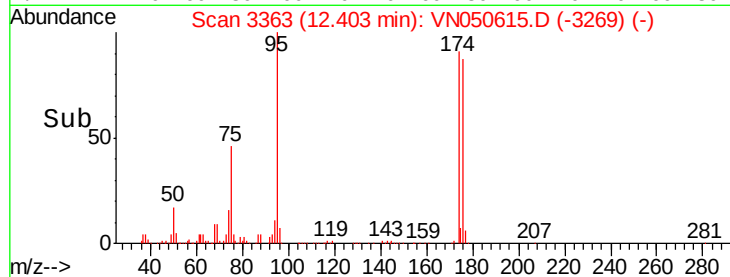
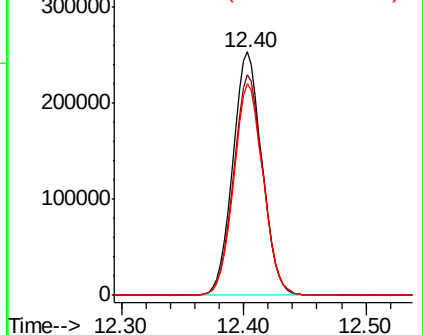
176 88.0 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

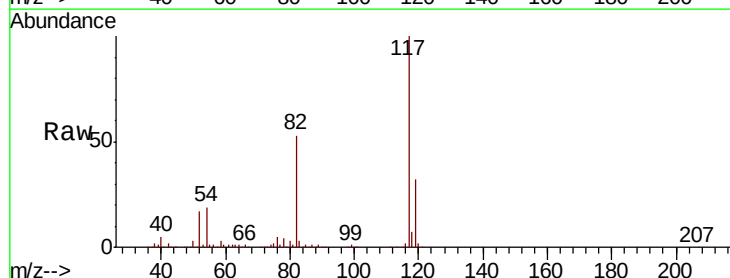
Tgt Ion: 117 Resp: 944079

Ion Ratio Lower Upper

117 100

82 53.1 42.4 63.6

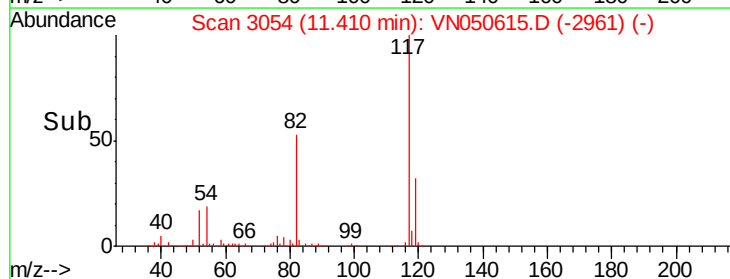
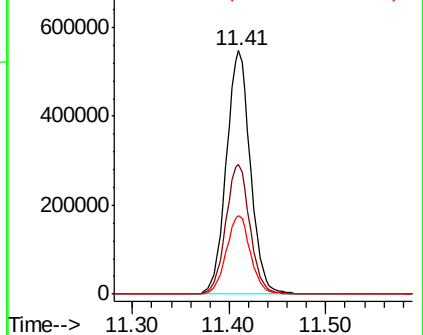
119 32.4 25.8 38.8

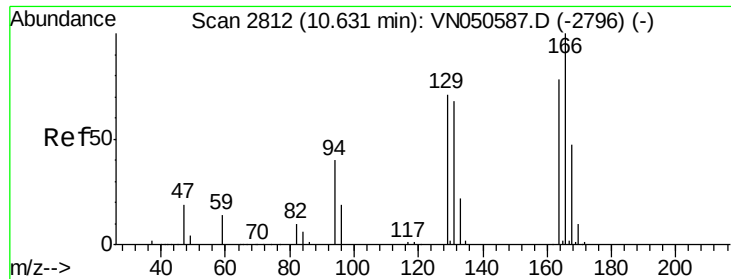


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

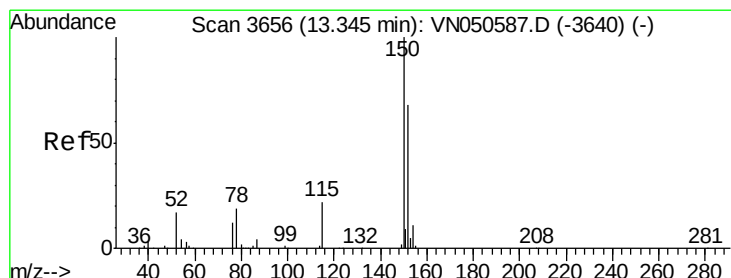
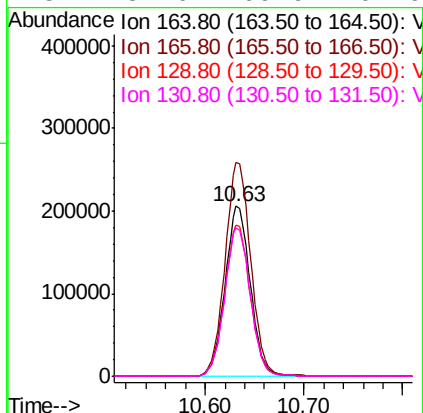
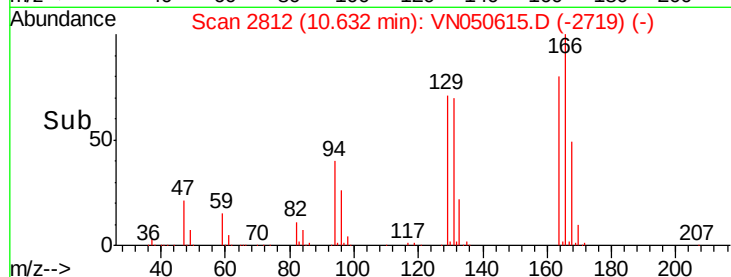
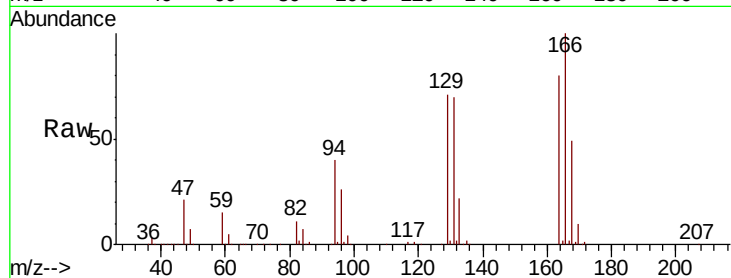




#64
Tetrachloroethene
Concen: 42.186 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

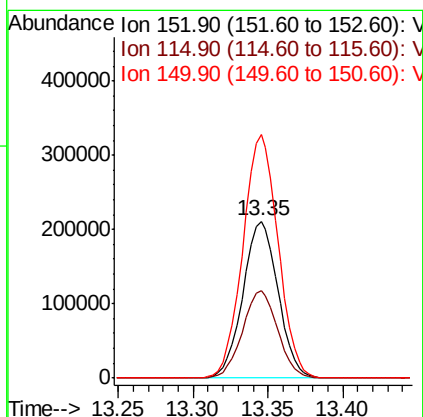
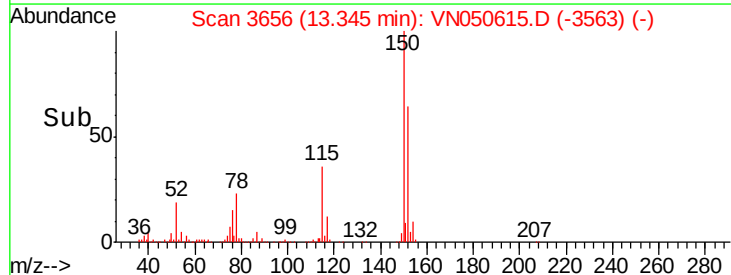
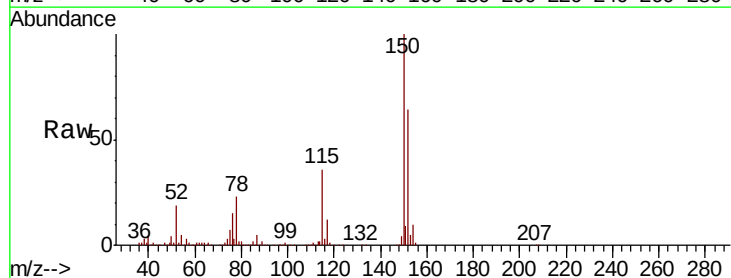
Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)

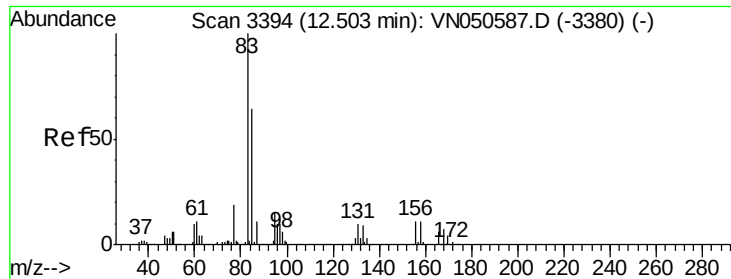
Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.1	153.1
129	89.1	72.7	109.1
131	87.6	69.9	104.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050615.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.1	84.2
150	155.5	0.0	347.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.42 min Scan# 3368

Delta R.T. -0.08 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)

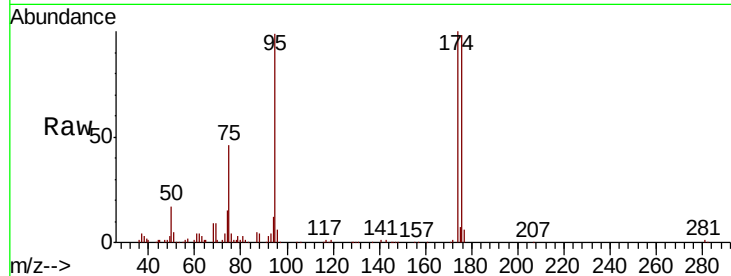
Tgt Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

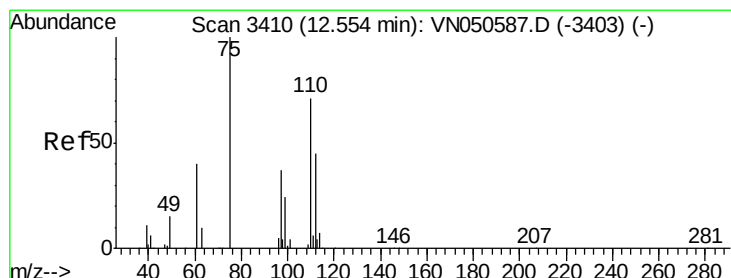
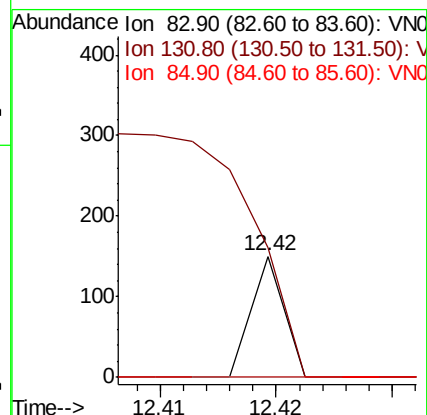
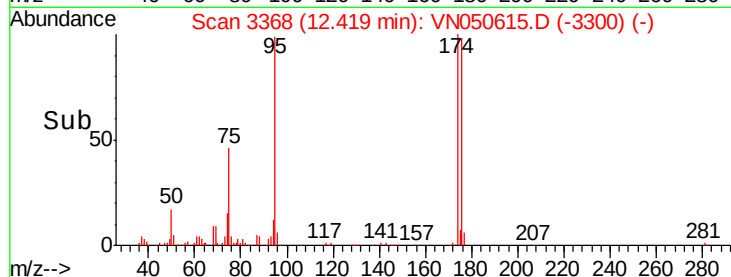
85 0.0 32.1 96.5#



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



#76

1,2,3-Trichloropropane

Concen: 35.146 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050615.D

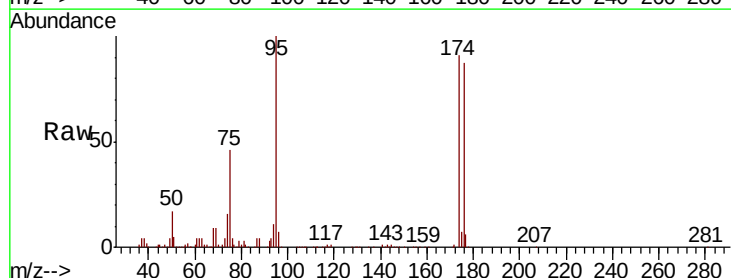
Acq: 14 Aug 2018 20:32

Tgt Ion: 75 Resp: 197526

Ion Ratio Lower Upper

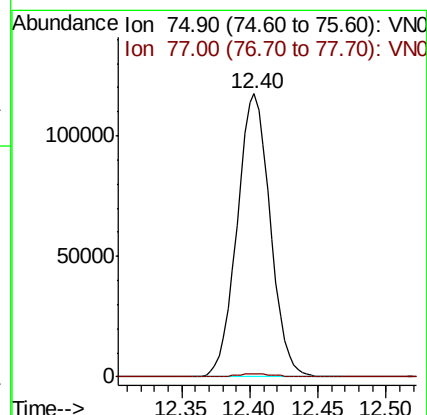
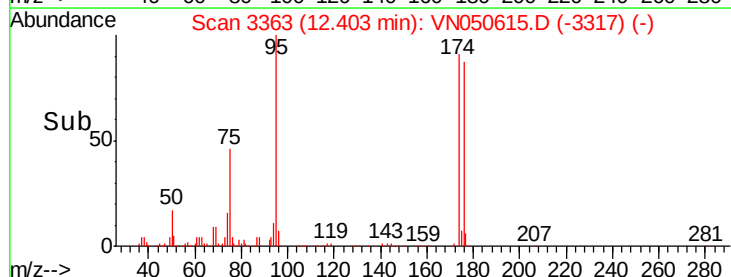
75 100

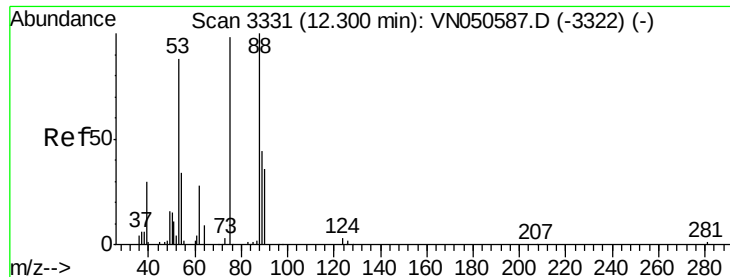
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 127.337 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)

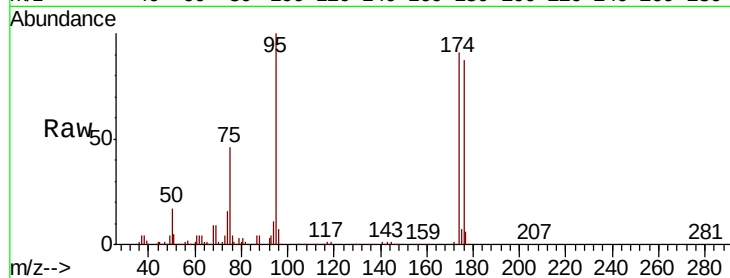
Tgt Ion: 75 Resp: 197526

Ion Ratio Lower Upper

75 100

53 0.1 72.2 108.2#

89 0.0 36.3 54.5#

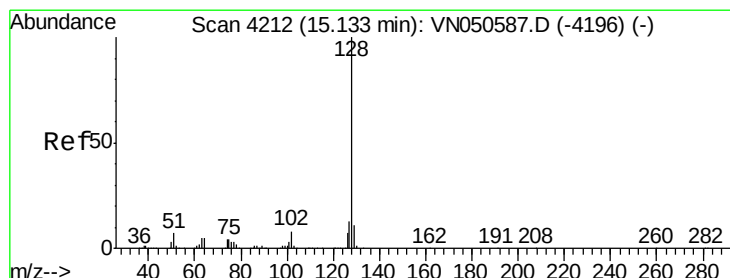
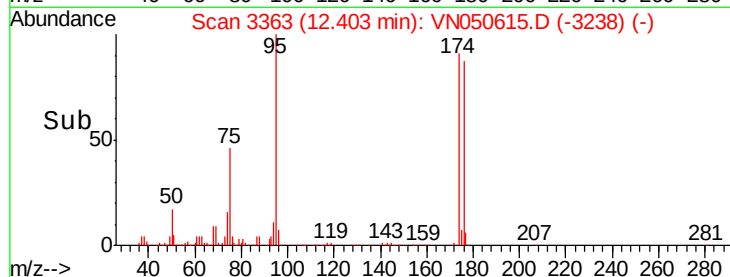
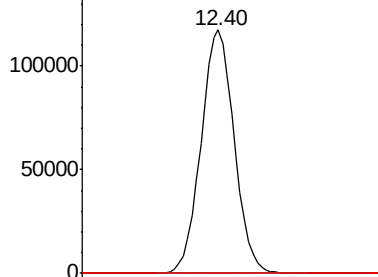


Abundance

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: 3.875 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050615.D

Acq: 14 Aug 2018 20:32

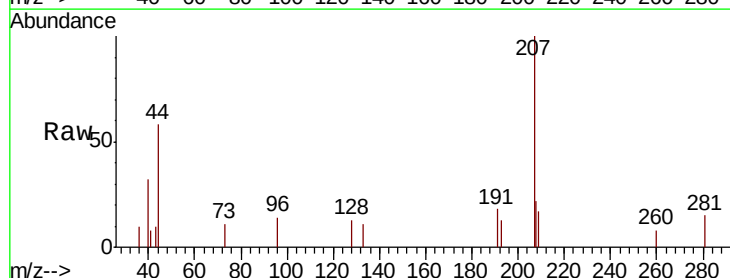
Tgt Ion: 128 Resp: 205

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.5 12.7#



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

