

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050755.D
 Acq On : 18 Aug 2018 6:37
 Operator : MD\SY
 Sample : J4521-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 72-12003

Quant Time: Aug 20 00:48:21 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	612207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1014324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	862458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300242	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	418651	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
35) Dibromofluoromethane	7.59	113	391586	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	10.09	98	1391445	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
62) 4-Bromofluorobenzene	12.40	95	368806	36.63	ug/l	0.00
Spiked Amount			Recovery	=	73.26%	

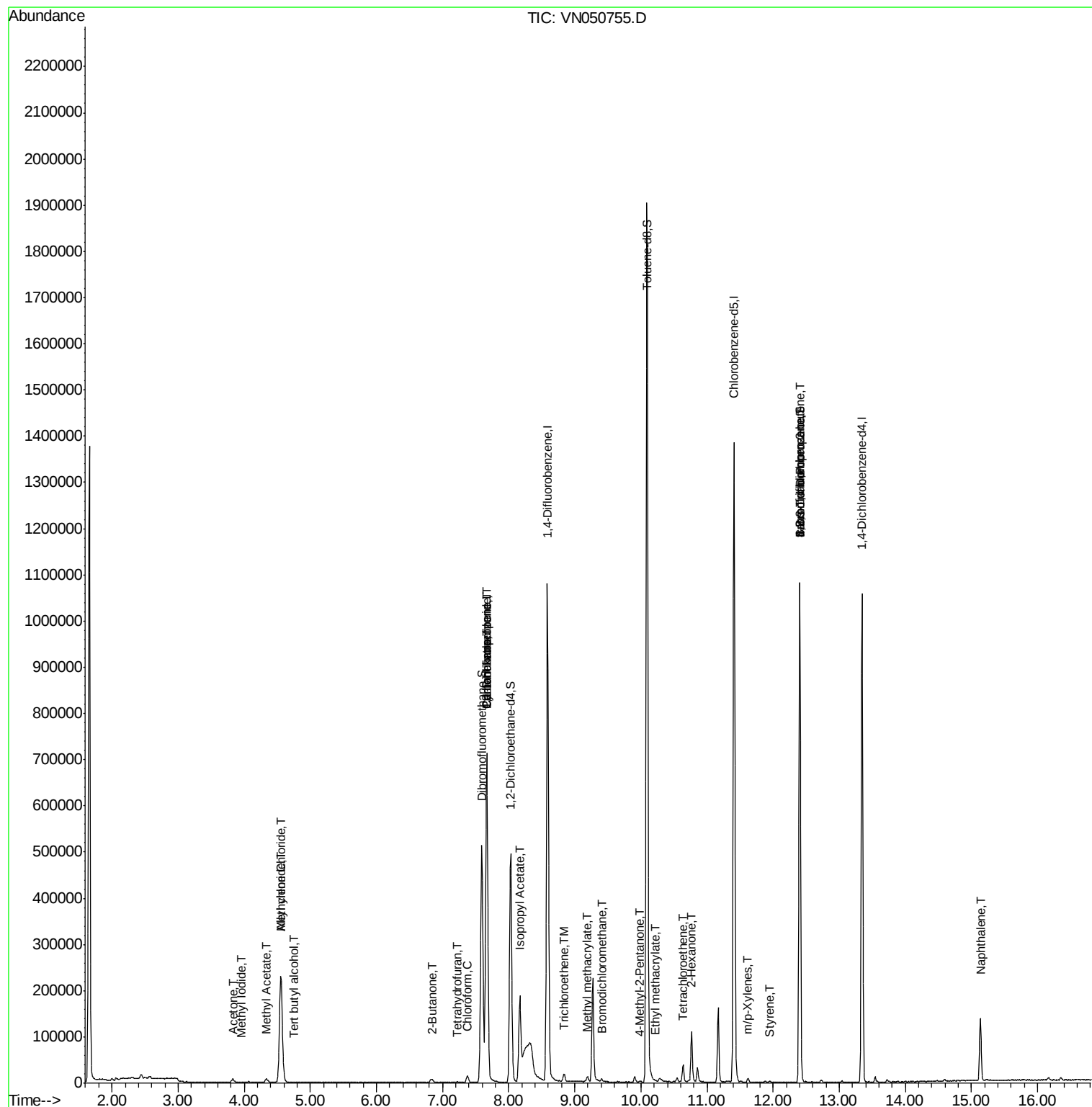
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3331	Below Cal		96
5) Bromomethane	2.58	94	3039	Below Cal	#	78
6) Chloroethane	2.70	64	105	Below Cal	#	43
10) Methyl Iodide	3.97	142	431	7.02	ug/l	# 42
11) Tert butyl alcohol	4.76	59	99	0.23	ug/l	# 72
14) Allyl chloride	4.56	41	6896	0.67	ug/l	# 25
16) Acetone	3.83	43	13030	5.34	ug/l	# 86
18) Methyl Acetate	4.34	43	15840	1.97	ug/l	# 89
20) Methylene Chloride	4.55	84	183455	24.36	ug/l	# 98
25) 2-Butanone	6.85	43	1822	0.58	ug/l	# 81
29) Tetrahydrofuran	7.22	42	757	0.46	ug/l	# 76
30) Chloroform	7.37	83	16047	1.16	ug/l	# 96
31) Cyclohexane	7.67	56	10635	0.57	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	42172	3.73	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	54777	4.68	ug/l	# 16
43) Isopropyl Acetate	8.17	43	229793	19.76	ug/l	# 98
44) Trichloroethene	8.84	130	6538	0.71	ug/l	100
47) Bromodichloromethane	9.41	83	3771	0.33	ug/l	95
48) Methyl methacrylate	9.18	41	7226	1.23	ug/l	# 21
51) 4-Methyl-2-Pentanone	9.99	43	1588	0.20	ug/l	96
56) Ethyl methacrylate	10.23	69	1812	2.08	ug/l	# 44
59) 2-Hexanone	10.77	43	15825	3.12	ug/l	# 56
64) Tetrachloroethene	10.63	164	2222	0.28	ug/l	# 70
68) m/p-Xylenes	11.62	106	3066	0.23	ug/l	95
70) Styrene	11.96	104	431	0.96	ug/l	# 41
71) Bromoform	12.40	173	3571	0.67	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.41	83	66	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	173361	35.44	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	173361	128.37	ug/l	# 13
95) Naphthalene	15.14	128	120228	13.47	ug/l	98

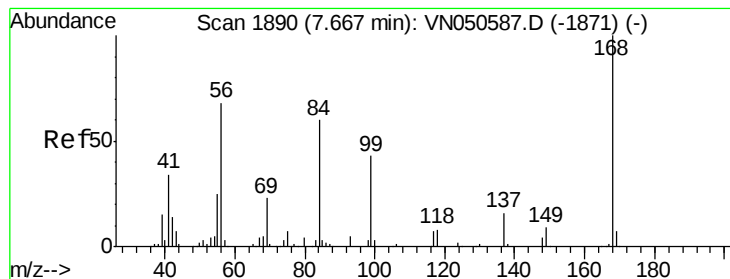
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampleId :

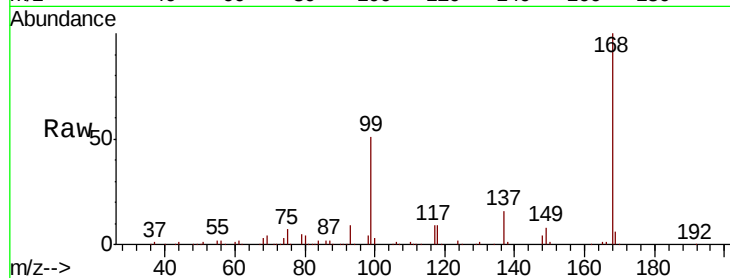
72-12003

Tot Ion:168 Resp: 612207

Ion Ratio Lower Upper

168 100

99 50.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

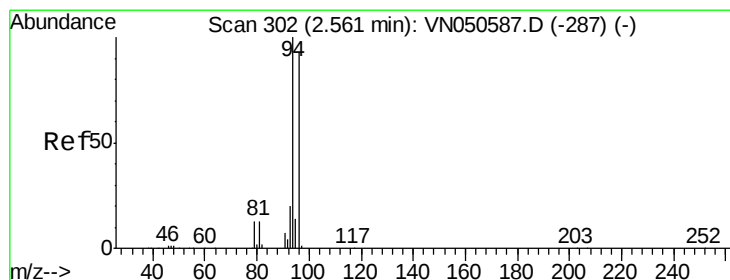
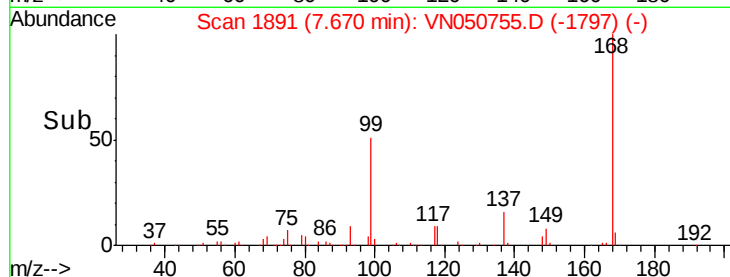
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 307

Delta R.T. 0.02 min

Lab File: VN050755.D

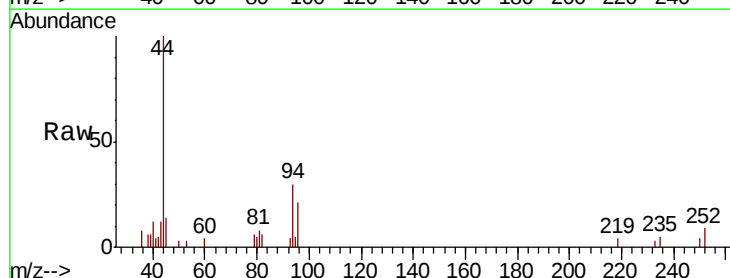
Acq: 18 Aug 2018 6:37

Tgt Ion: 94 Resp: 3039

Ion Ratio Lower Upper

94 100

96 71.8 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.58

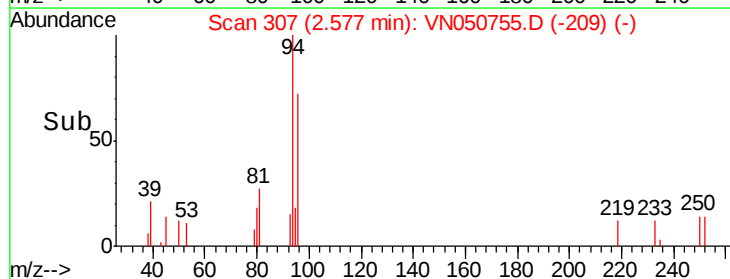
1500

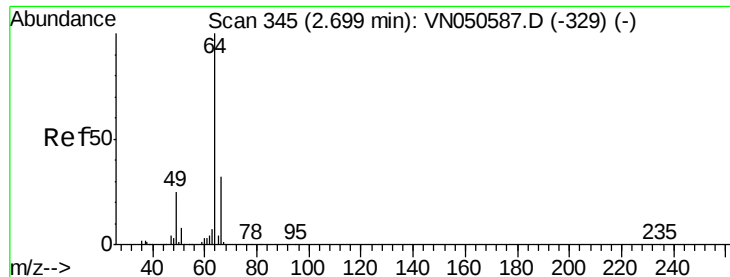
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampleId :

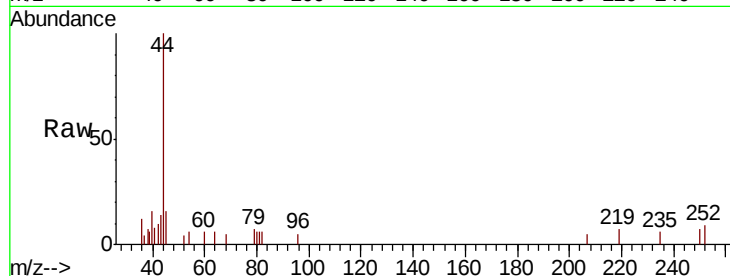
72-12003

Tot Ion: 64 Resp: 105

Ion Ratio Lower Upper

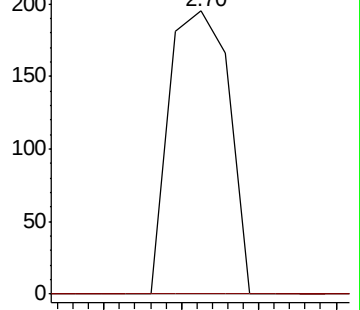
64 100

66 0.0 25.7 38.5#

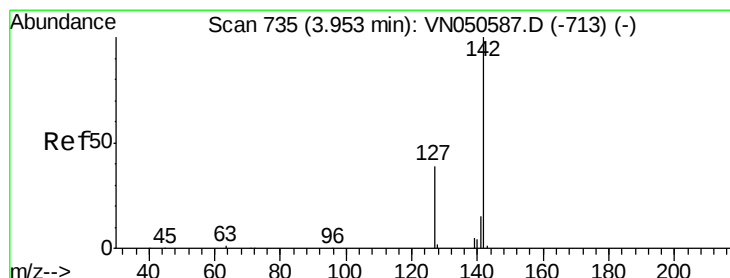
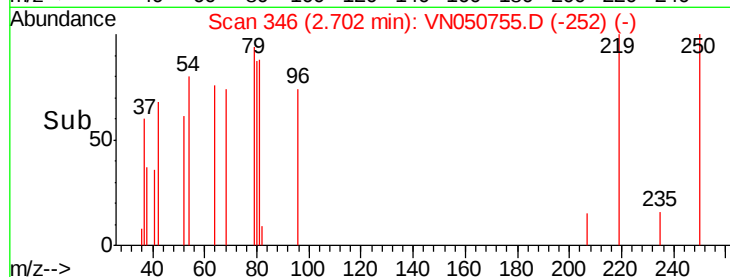


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->



#10

Methyl Iodide

Concen: 7.02 ug/l

RT: 3.97 min Scan# 740

Delta R.T. 0.02 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

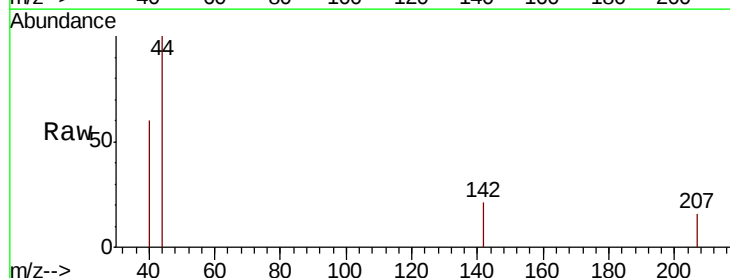
Tgt Ion: 142 Resp: 431

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

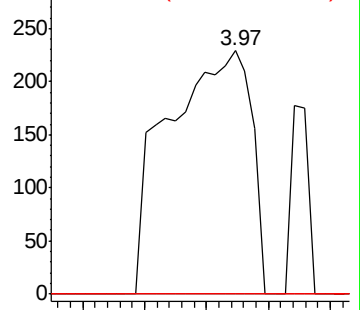
141 0.0 11.5 17.3#



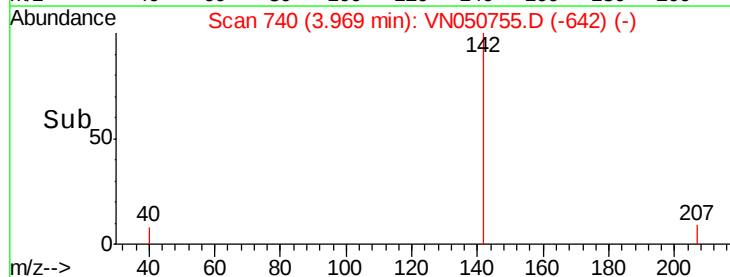
Abundance Ion 141.80 (141.50 to 142.50): V

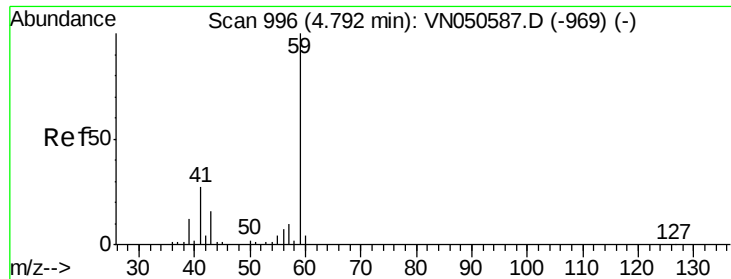
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



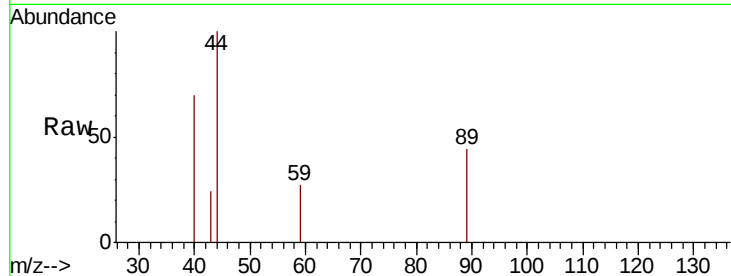


#11

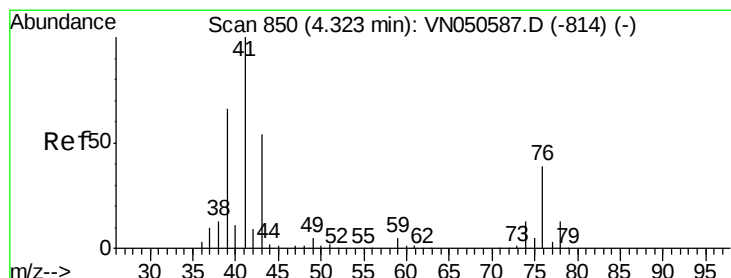
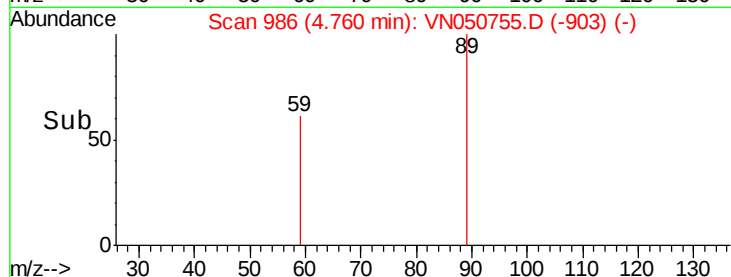
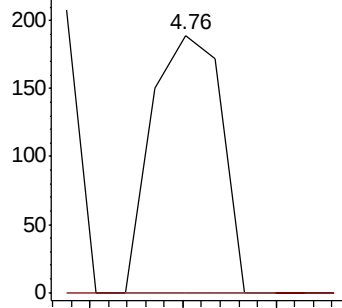
Tert butyl alcohol
 Concen: 0.23 ug/l
 RT: 4.76 min Scan# 986
 Delta R.T. -0.03 min
 Lab File: VN050755.D
 Acq: 18 Aug 2018 6:37

Instrument :
 MSVOA_N
 ClientSampleId :
 72-12003

Tot Ion: 59 Resp: 99
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



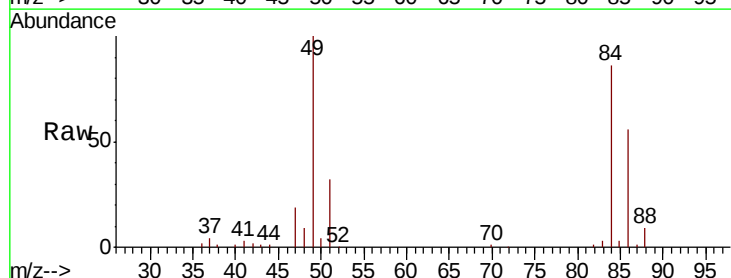
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



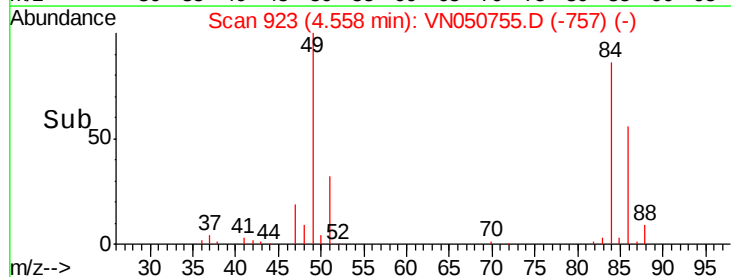
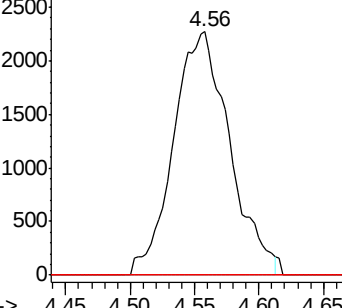
#14

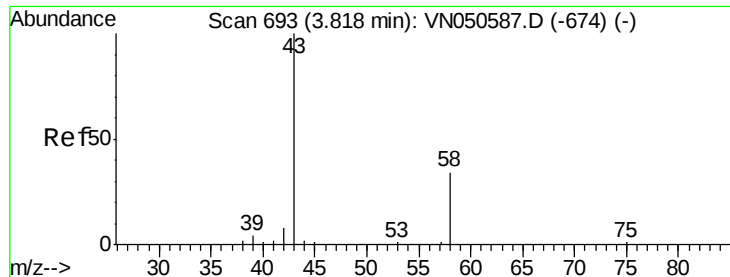
Allyl chloride
 Concen: 0.67 ug/l
 RT: 4.56 min Scan# 923
 Delta R.T. 0.23 min
 Lab File: VN050755.D
 Acq: 18 Aug 2018 6:37

Tgt Ion: 41 Resp: 6896
 Ion Ratio Lower Upper
 41 100
 39 0.0 51.4 77.0#
 76 0.0 29.4 44.0#



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: 5.34 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampleId :

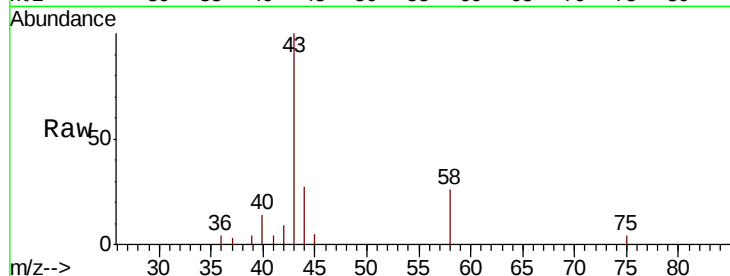
72-12003

Tot Ion: 43 Resp: 13030

Ion Ratio Lower Upper

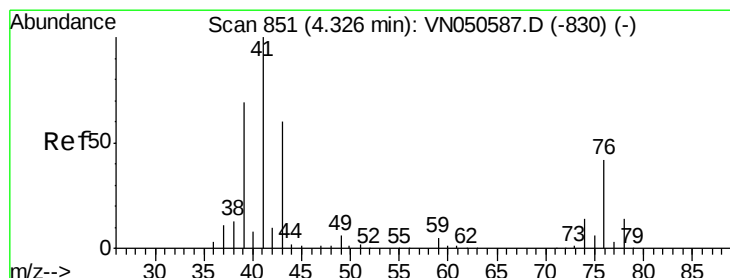
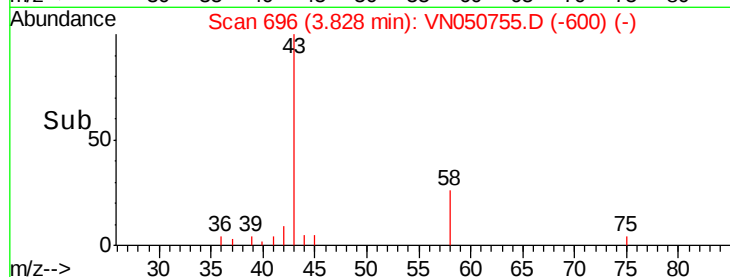
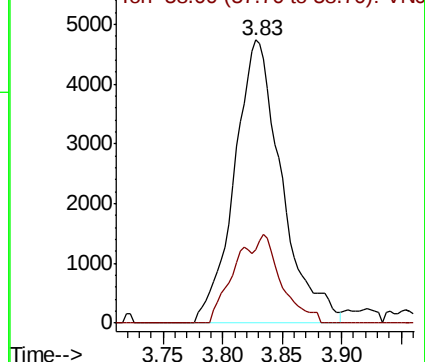
43 100

58 26.1 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.97 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050755.D

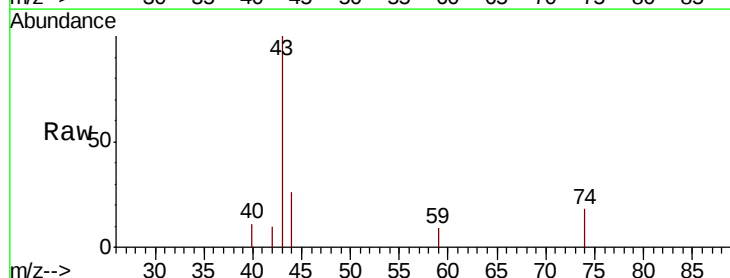
Acq: 18 Aug 2018 6:37

Tgt Ion: 43 Resp: 15840

Ion Ratio Lower Upper

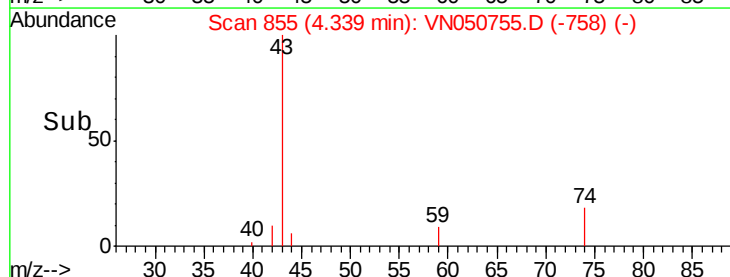
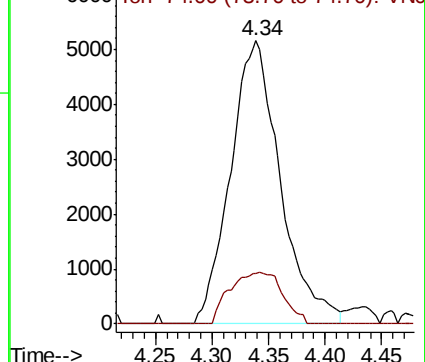
43 100

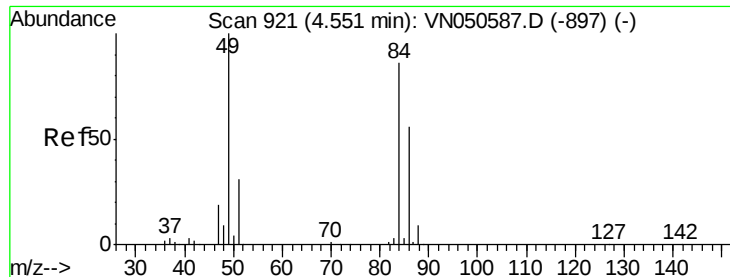
74 19.1 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

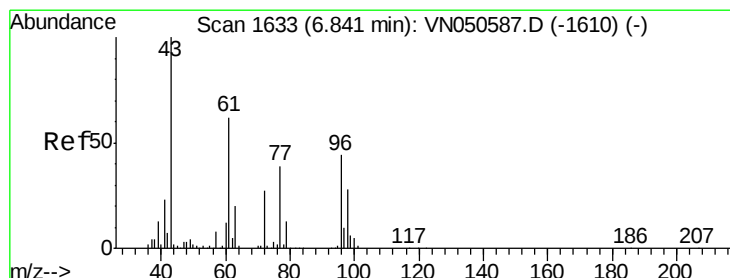
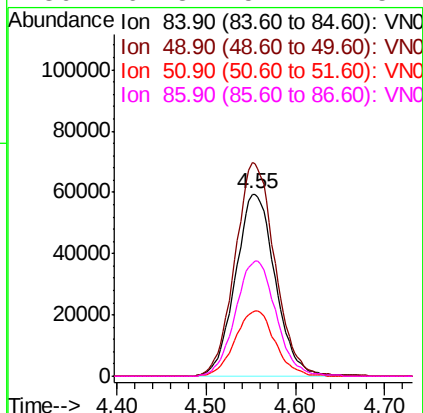
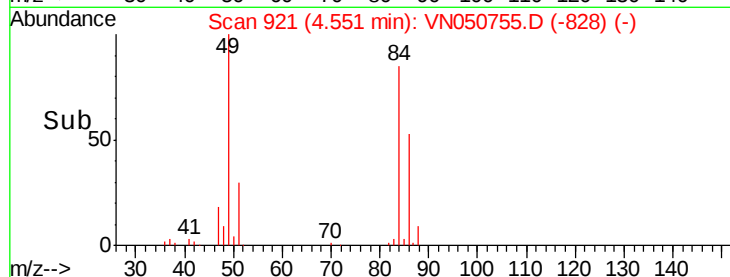
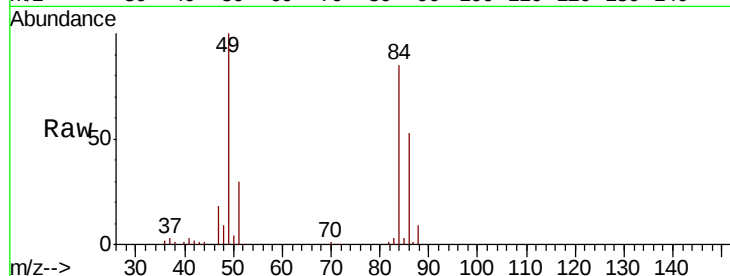




#20
Methvlene Chloride
Concen: 24.36 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050755.D
Acq: 18 Aug 2018 6:37

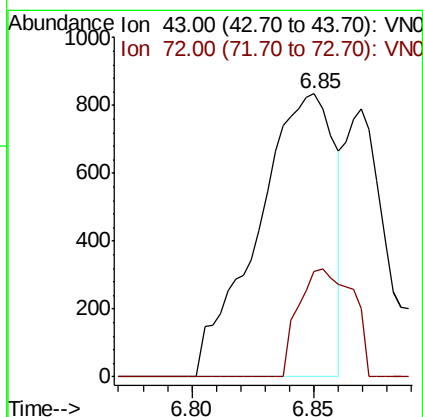
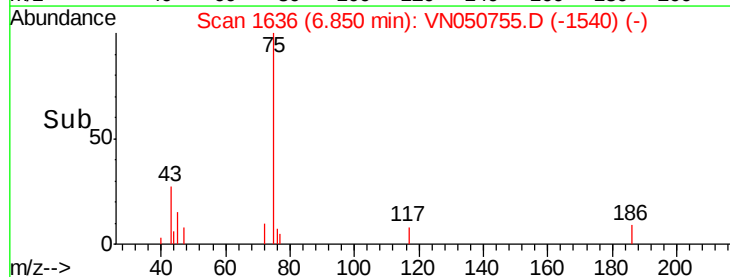
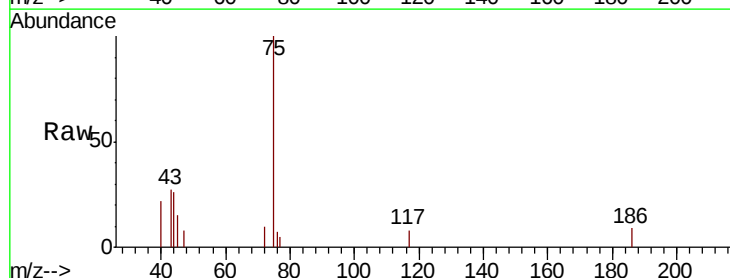
Instrument :
MSVOA_N
ClientSampled :
72-12003

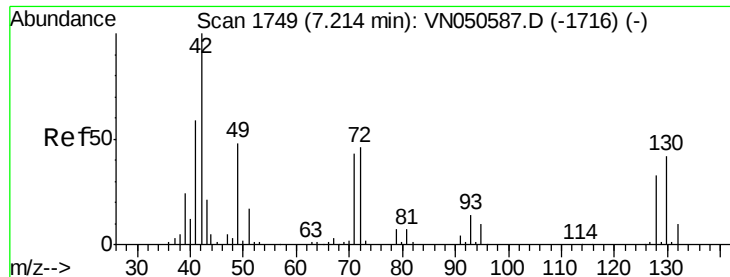
Tot Ion: 84 Resp: 183455
Ion Ratio Lower Upper
84 100
49 117.3 92.6 138.8
51 35.4 28.6 43.0
86 61.8 52.2 78.2



#25
2-Butanone
Concen: 0.58 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050755.D
Acq: 18 Aug 2018 6:37

Tgt Ion: 43 Resp: 1822
Ion Ratio Lower Upper
43 100
72 37.2 21.8 32.6#





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampled :

72-12003

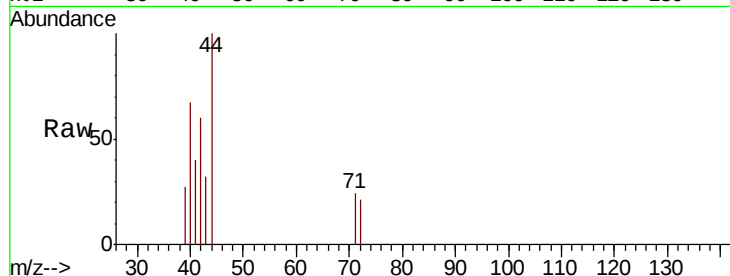
Tot Ion: 42 Resp: 757

Ion Ratio Lower Upper

42 100

72 29.5 35.8 53.6#

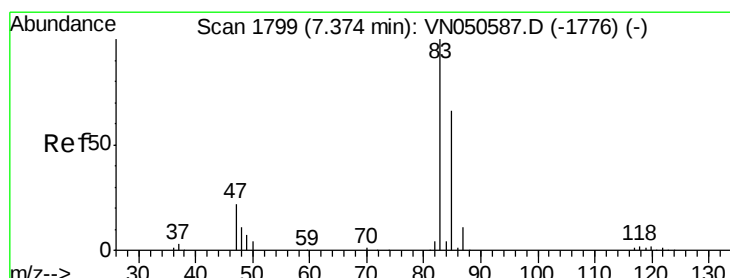
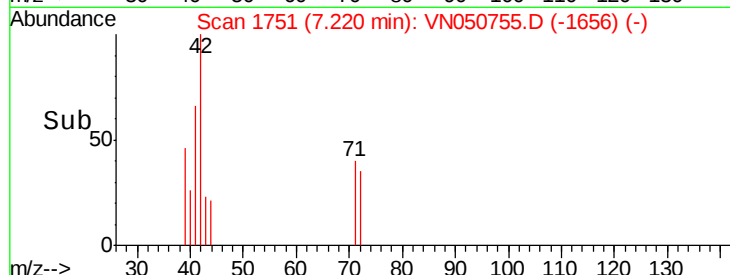
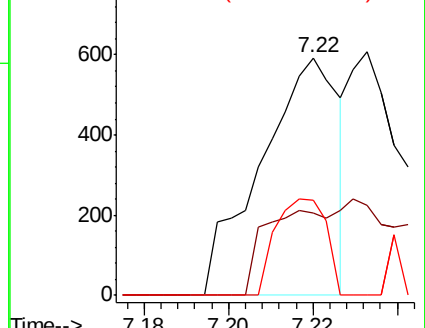
71 26.4 33.4 50.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.16 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050755.D

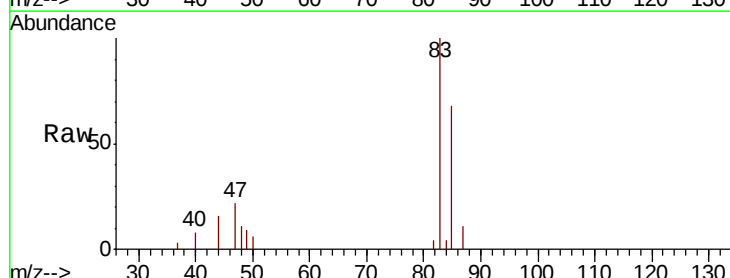
Acq: 18 Aug 2018 6:37

Tgt Ion: 83 Resp: 16047

Ion Ratio Lower Upper

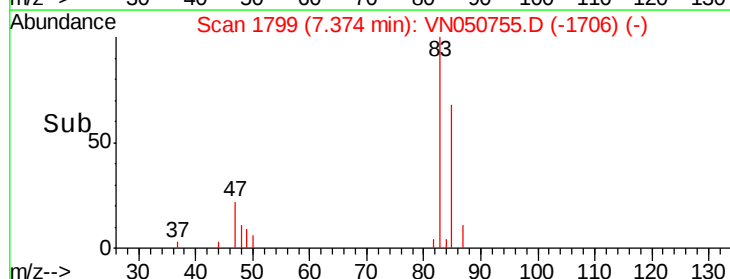
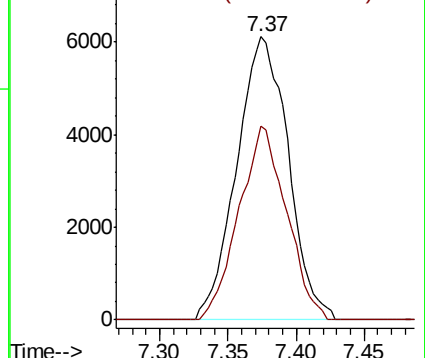
83 100

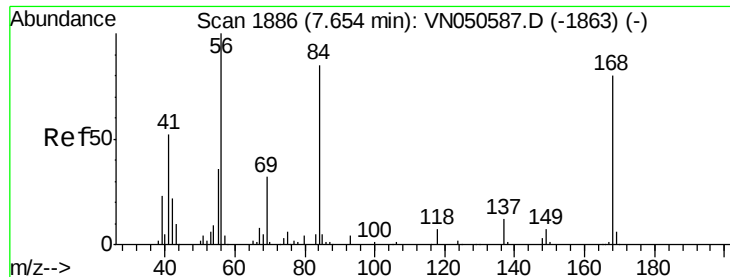
85 68.4 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

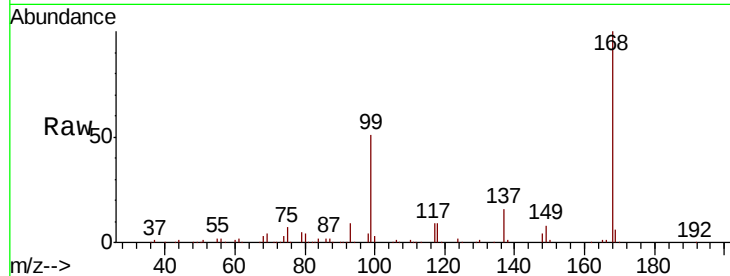




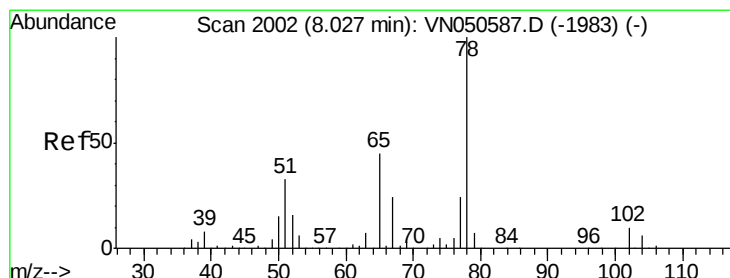
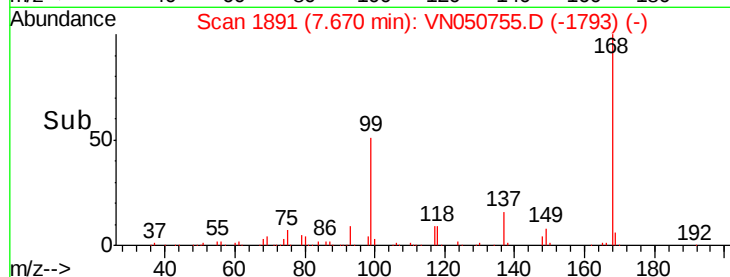
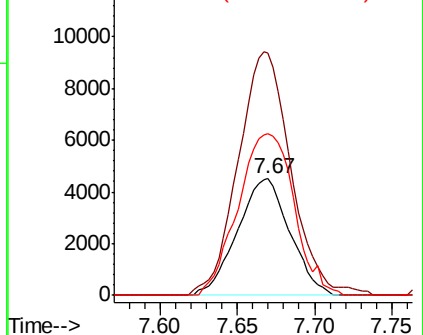
#31
Cyclohexane
Concen: 0.57 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN050755.D
Acq: 18 Aug 2018 6:37

Instrument :
MSVOA_N
ClientSampleId :
72-12003

Tot Ion: 56 Resp: 10635
Ion Ratio Lower Upper
56 100
69 207.7 25.8 38.6#
84 138.6 67.8 101.6#

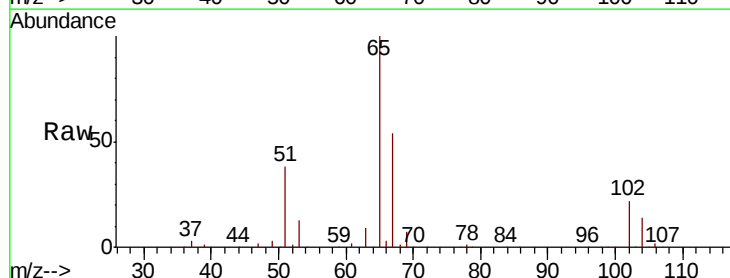


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

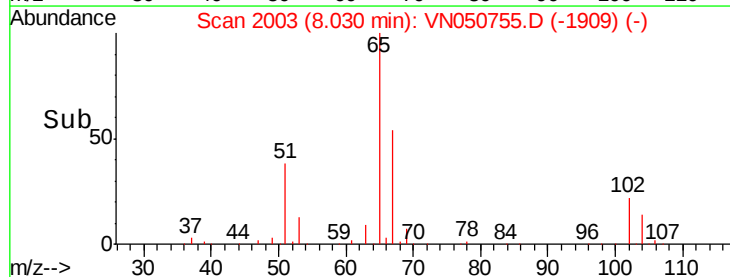
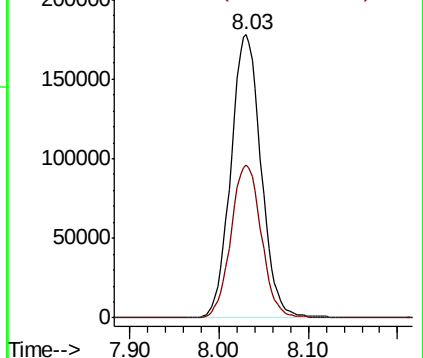


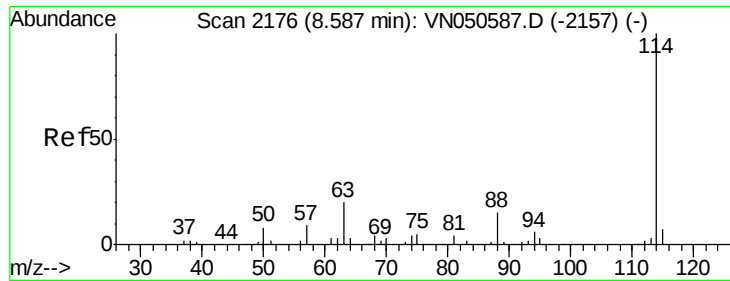
#33
1,2-Dichloroethane-d4
Concen: 54.25 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050755.D
Acq: 18 Aug 2018 6:37

Tgt Ion: 65 Resp: 418651
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.8



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

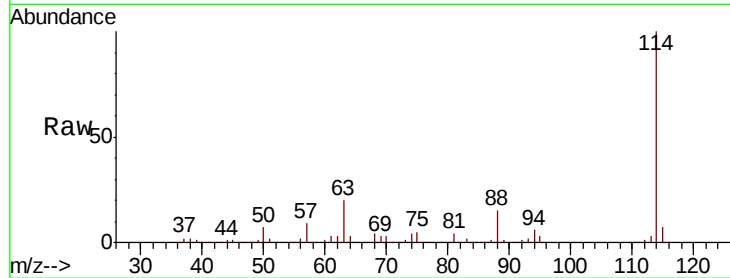




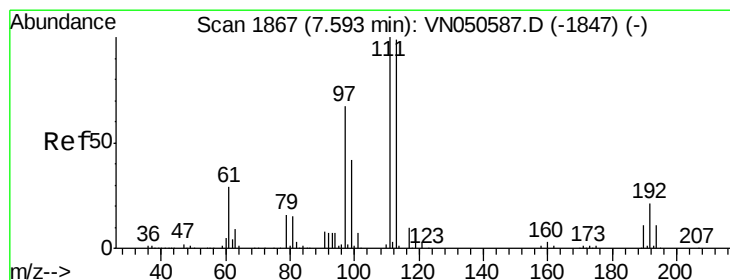
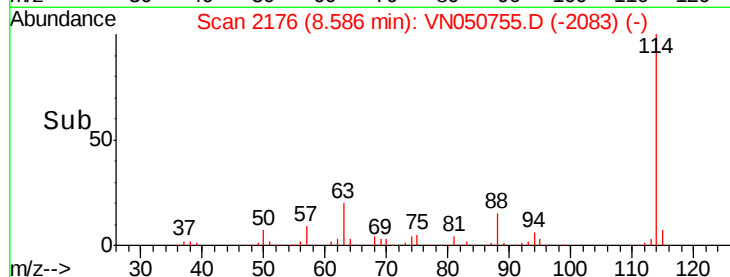
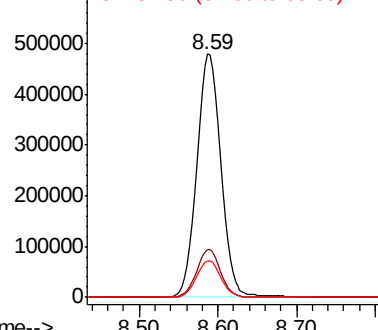
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050755.D
 Acq: 18 Aug 2018 6:37

Instrument :
 MSVOA_N
 ClientSampleId :
 72-12003

Tot Ion:114 Resp: 1014324
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 30.8

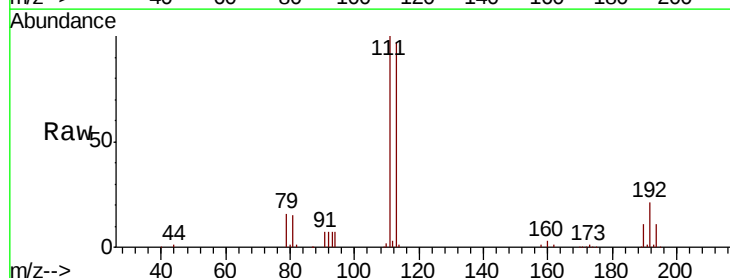


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

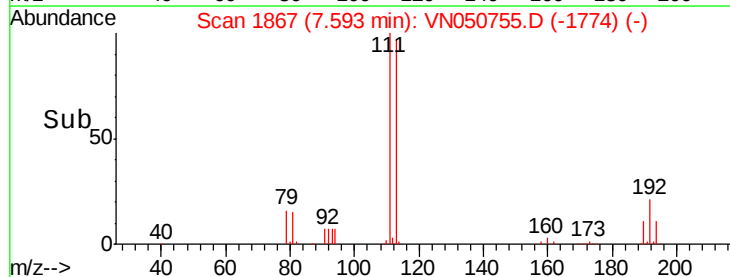
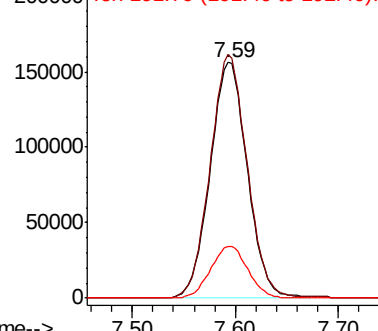


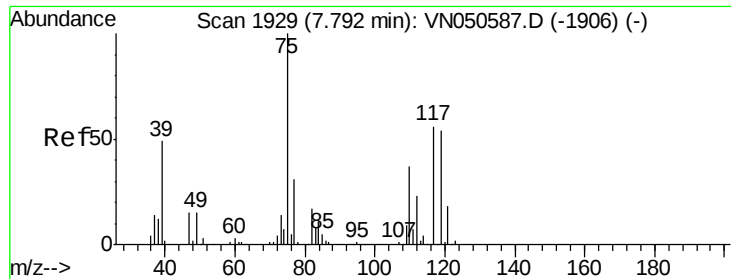
#35
 Dibromofluoromethane
 Concen: 48.36 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050755.D
 Acq: 18 Aug 2018 6:37

Tgt Ion:113 Resp: 391586
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.0 121.6
 192 22.1 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

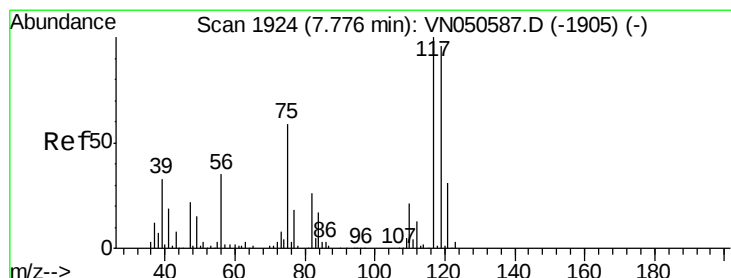
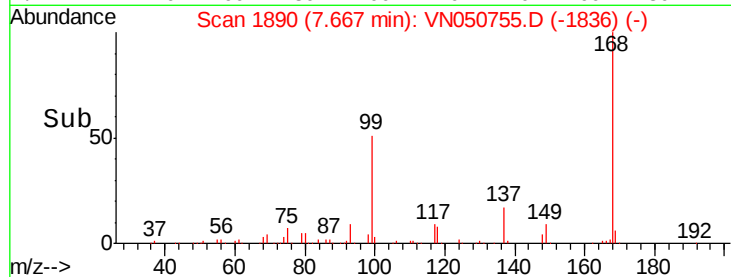
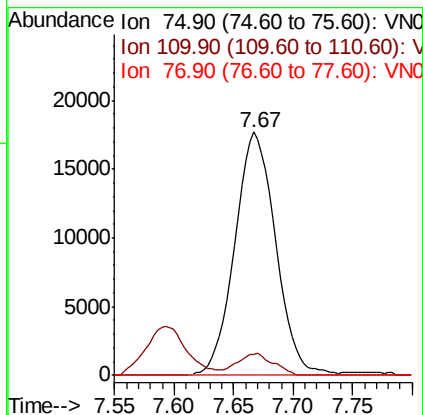
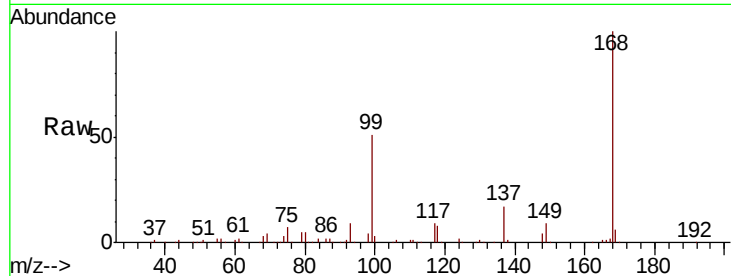




#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050755.D
 Acq: 18 Aug 2018 6:37

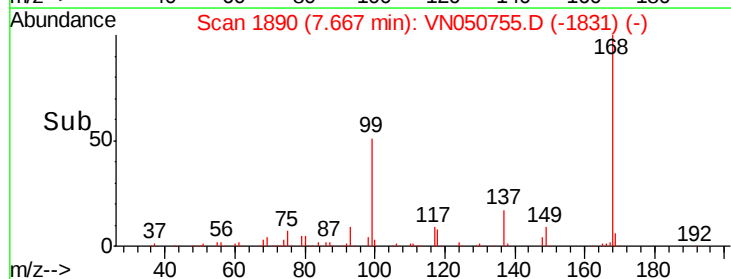
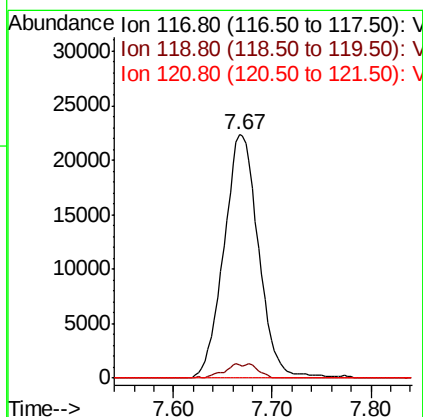
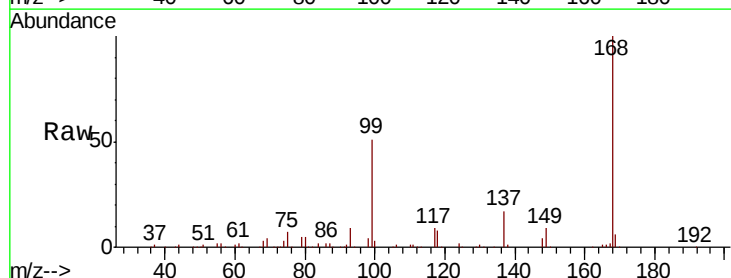
Instrument :
 MSVOA_N
 ClientSampled :
 72-12003

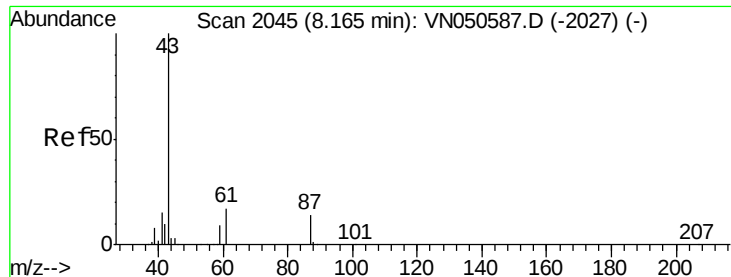
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.3	54.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 4.68 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050755.D
 Acq: 18 Aug 2018 6:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.6	115.0#
121	0.0	25.0	37.6#





#43

Isopropyl Acetate

Concen: 19.76 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampleId :

72-12003

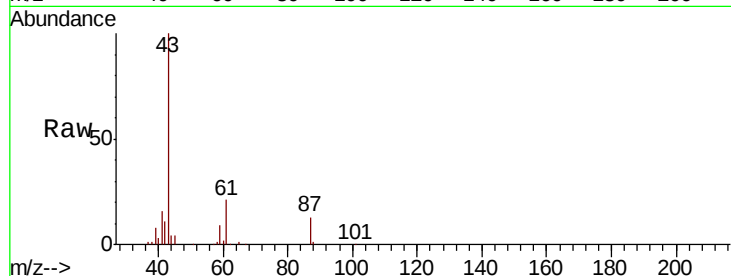
Tot Ion: 43 Resp: 229793

Ion Ratio Lower Upper

43 100

61 19.4 16.2 24.2

87 12.6 10.9 16.3

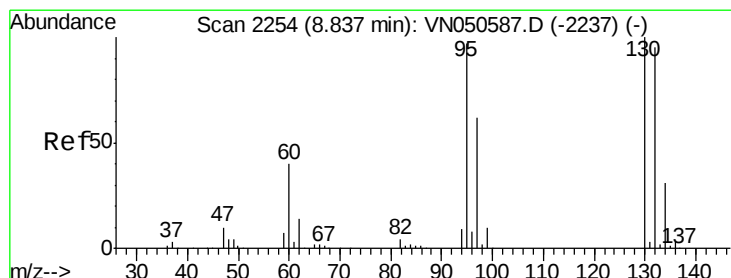
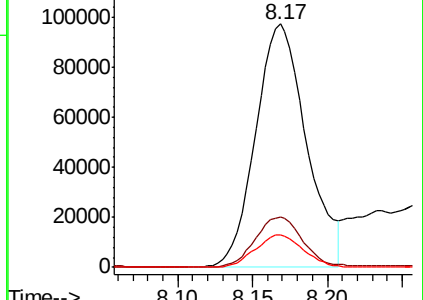
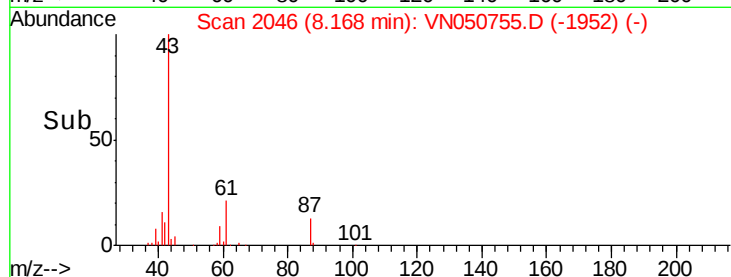


Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050587.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-2027) (-)

Time-->



#44

Trichloroethene

Concen: 0.71 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050755.D

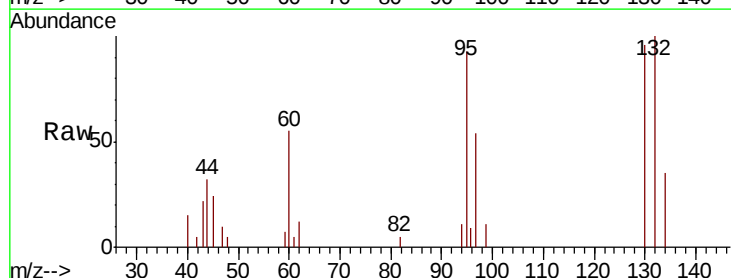
Acq: 18 Aug 2018 6:37

Tgt Ion: 130 Resp: 6538

Ion Ratio Lower Upper

130 100

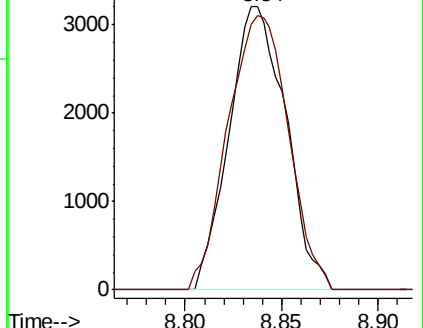
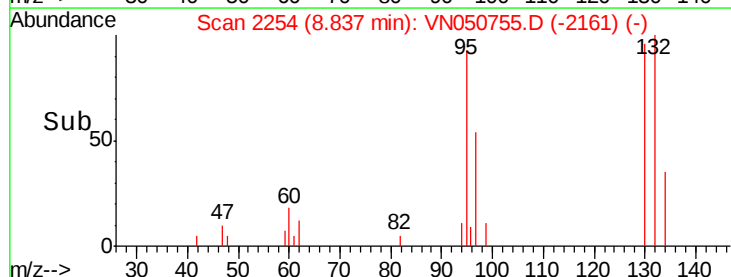
95 97.0 0.0 193.8

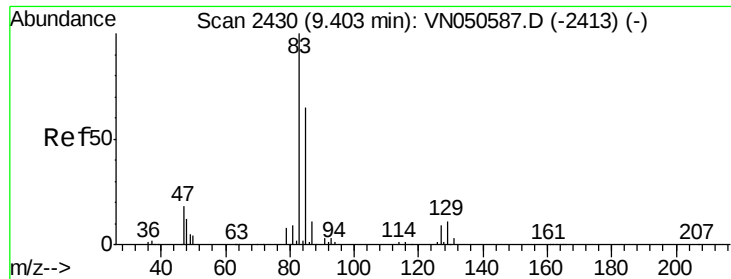


Abundance Ion 129.80 (129.50 to 130.50): VN050587.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050587.D (-2237) (-)

Time-->





#47

Bromodichloromethane

Concen: 0.33 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampled :

72-12003

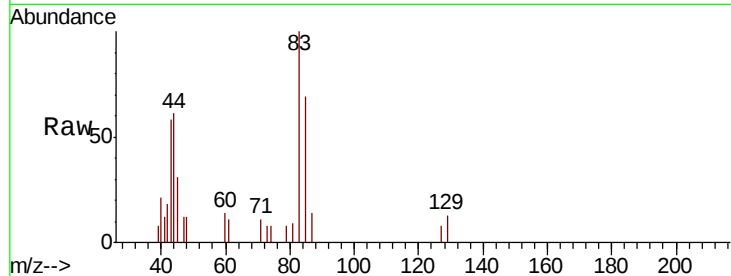
Tot Ion: 83 Resp: 3771

Ion Ratio Lower Upper

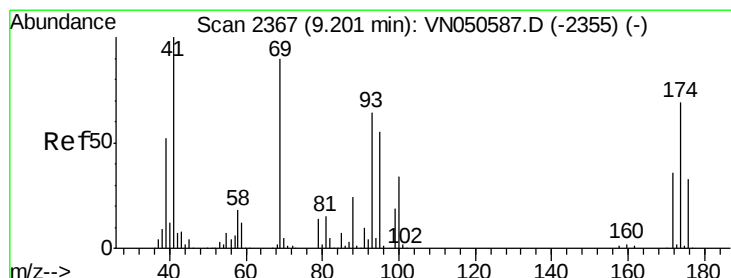
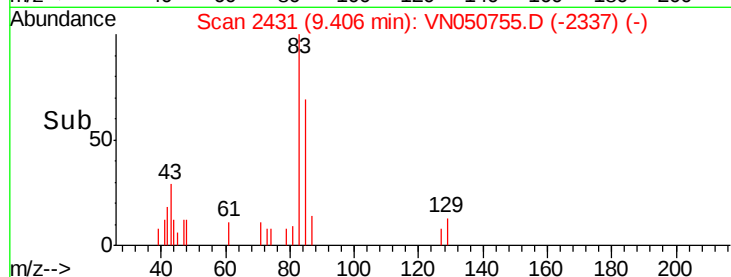
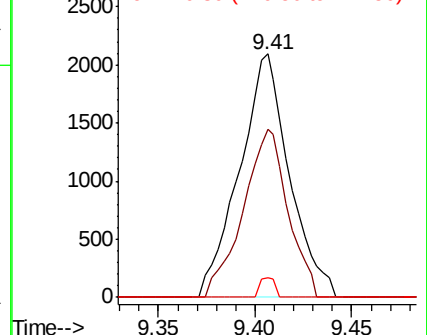
83 100

85 69.1 51.8 77.6

127 7.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 1.23 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

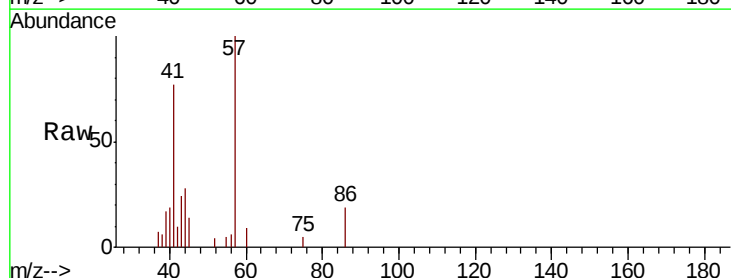
Tgt Ion: 41 Resp: 7226

Ion Ratio Lower Upper

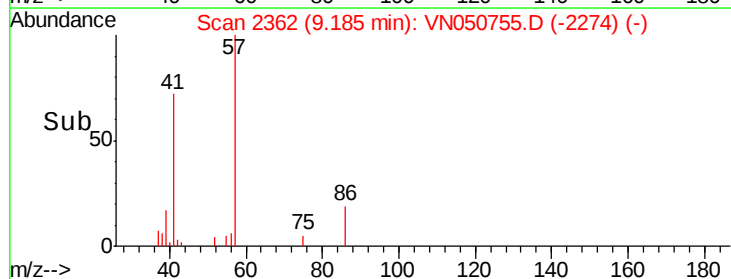
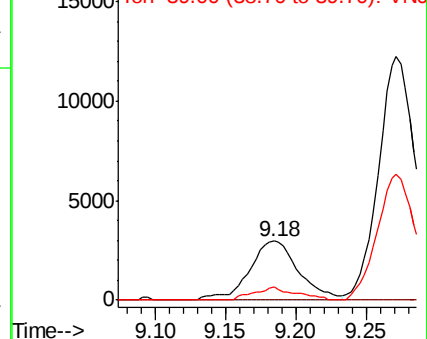
41 100

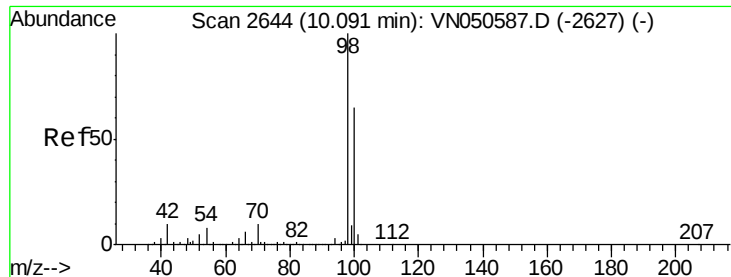
69 0.0 73.4 110.0#

39 18.7 43.0 64.6#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 45.66 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampleId :

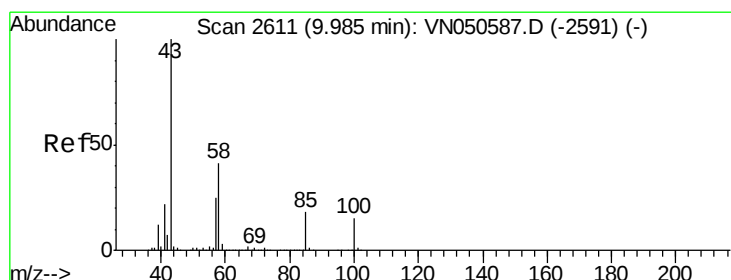
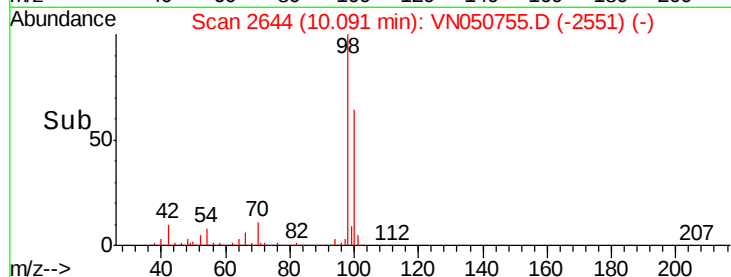
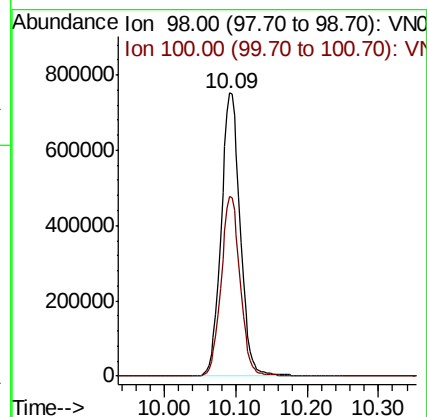
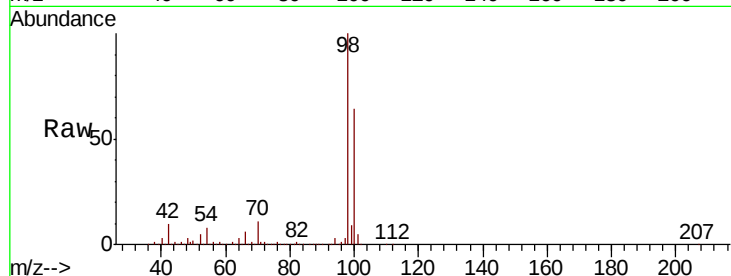
72-12003

Tot Ion: 98 Resp: 1391445

Ion Ratio Lower Upper

98 100

100 63.5 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN050755.D

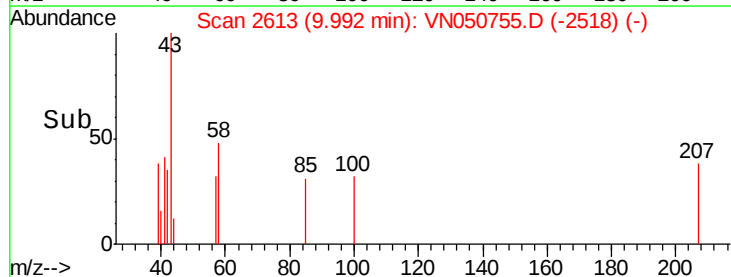
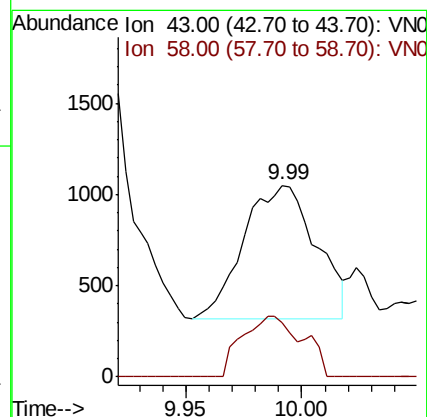
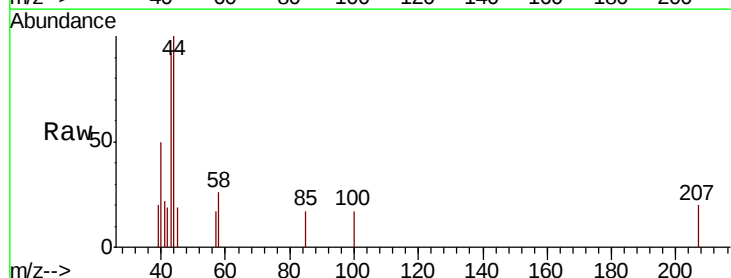
Acq: 18 Aug 2018 6:37

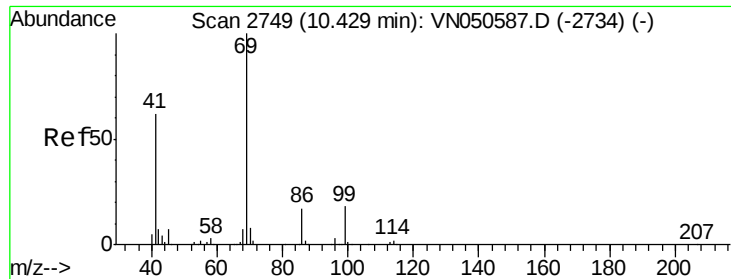
Tgt Ion: 43 Resp: 1588

Ion Ratio Lower Upper

43 100

58 38.1 32.5 48.7





#56

Ethyl methacrylate

Concen: 2.08 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.20 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampled :

72-12003

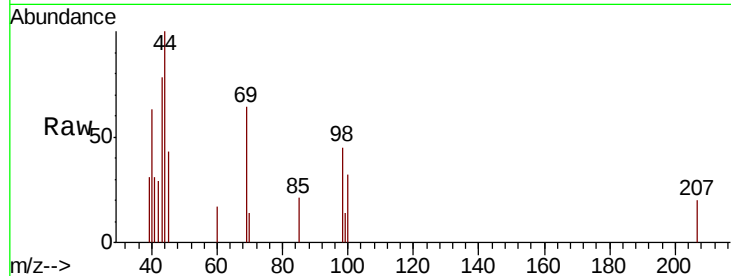
Tot Ion: 69 Resp: 1812

Ion Ratio Lower Upper

69 100

41 0.0 49.7 74.5#

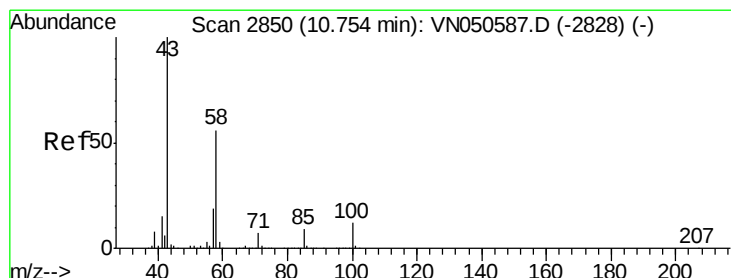
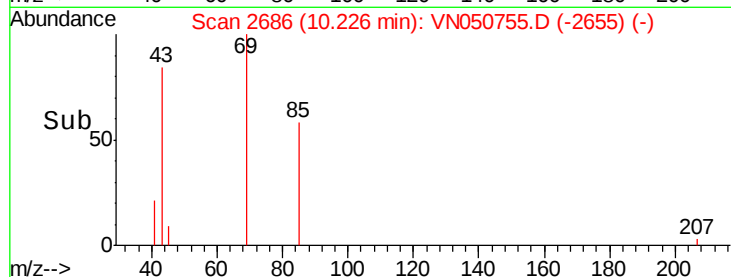
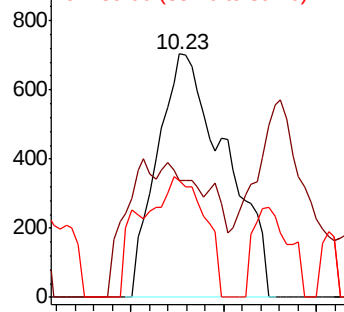
39 27.1 24.2 36.2



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



#59

2-Hexanone

Concen: 3.12 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050755.D

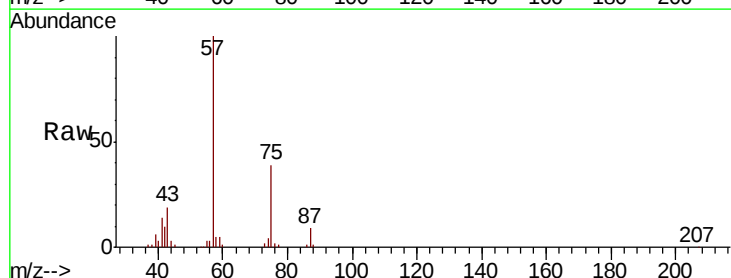
Acq: 18 Aug 2018 6:37

Tgt Ion: 43 Resp: 15825

Ion Ratio Lower Upper

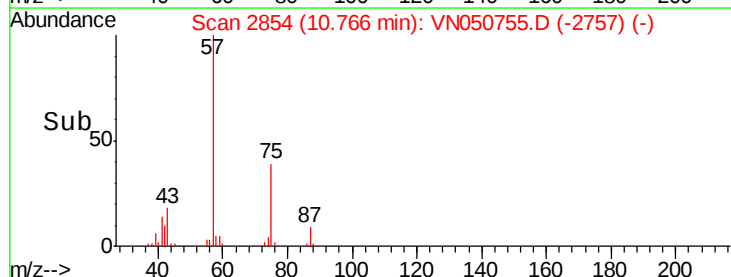
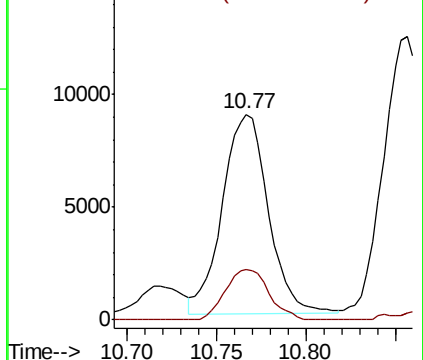
43 100

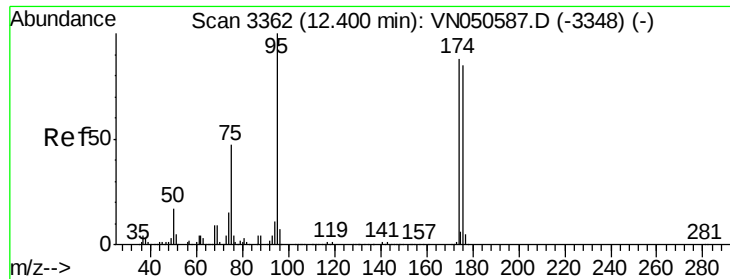
58 24.1 28.0 84.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

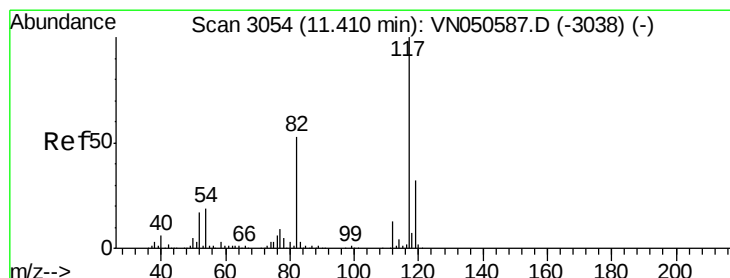
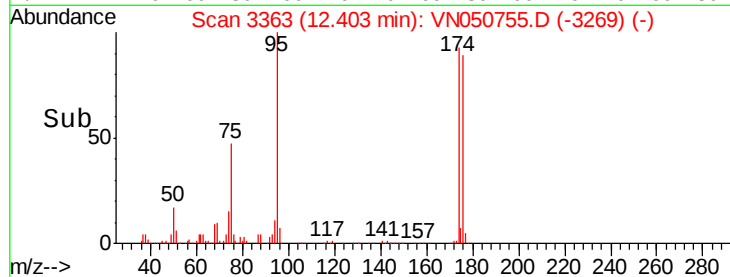
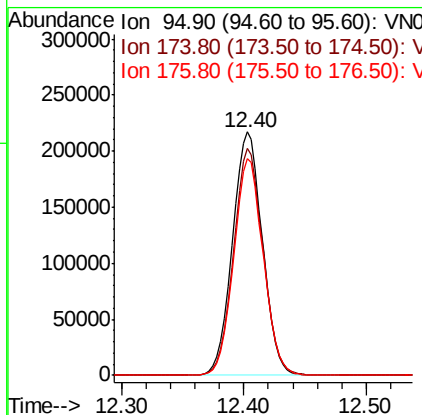
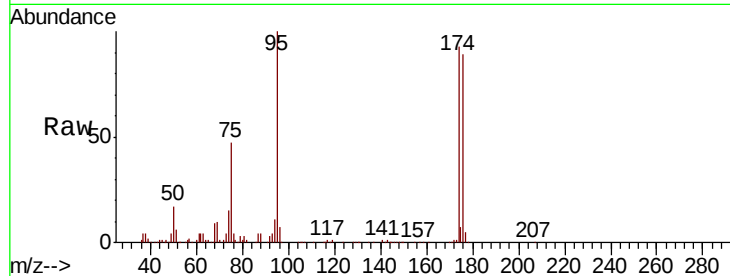




#62
4-Bromofluorobenzene
Concen: 36.63 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050755.D
Acq: 18 Aug 2018 6:37

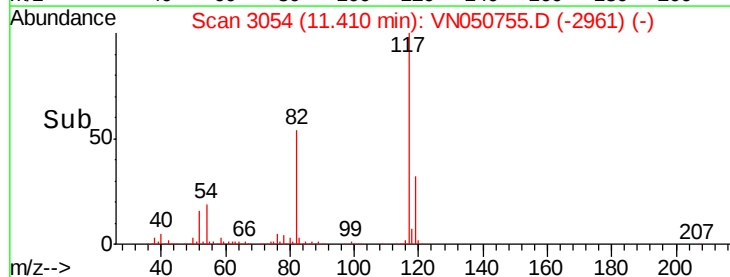
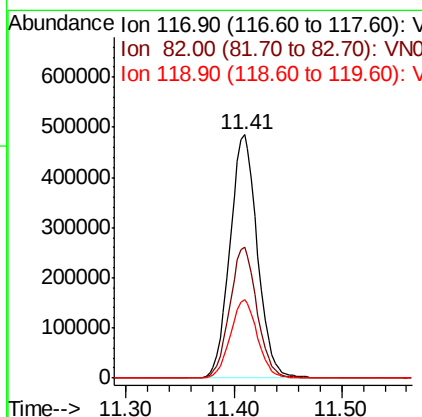
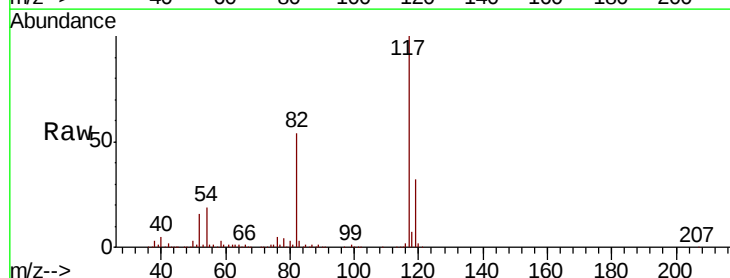
Instrument :
MSVOA_N
ClientSampled :
72-12003

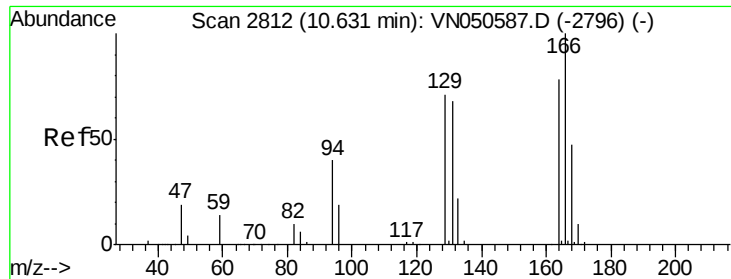
Tot Ion: 95 Resp: 368806
Ion Ratio Lower Upper
95 100
174 92.0 0.0 177.8
176 87.9 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050755.D
Acq: 18 Aug 2018 6:37

Tgt Ion: 117 Resp: 862458
Ion Ratio Lower Upper
117 100
82 53.8 42.4 63.6
119 32.1 25.8 38.8





#64

Tetrachloroethene

Concen: 0.28 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampleId :

72-12003

Tot Ion:164 Resp: 2222

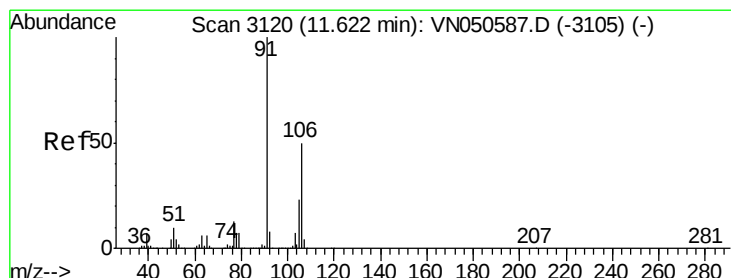
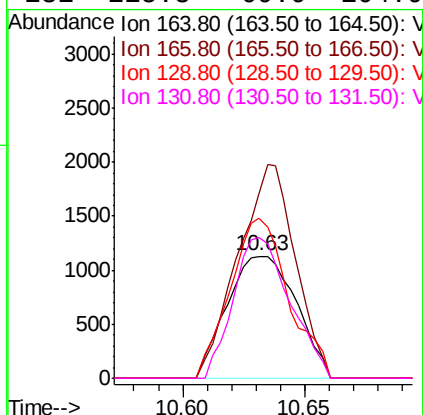
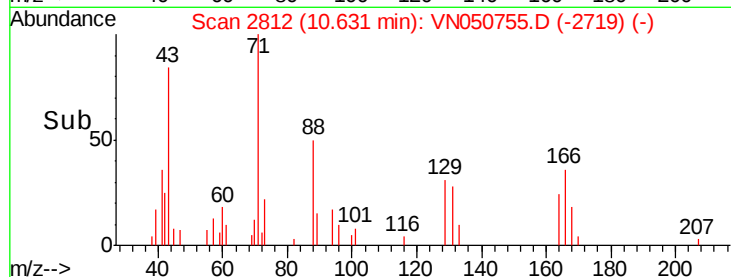
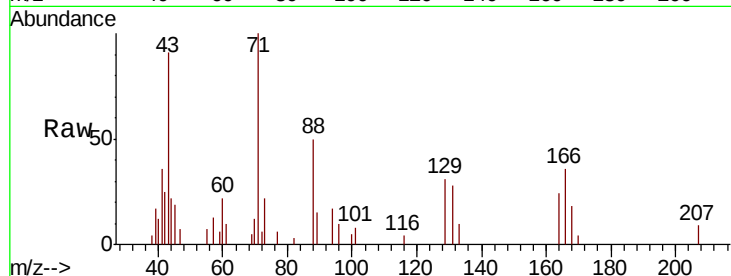
Ion Ratio Lower Upper

164 100

166 151.4 102.1 153.1

129 131.6 72.7 109.1#

131 115.8 69.9 104.9#



#68

m/p-Xylenes

Concen: 0.23 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050755.D

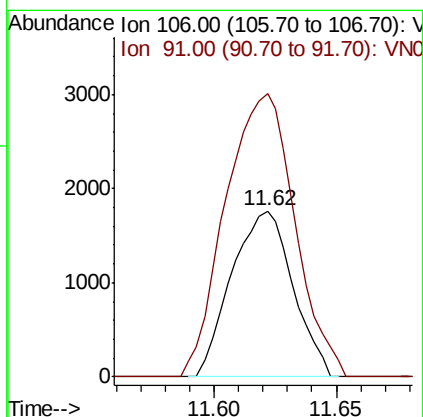
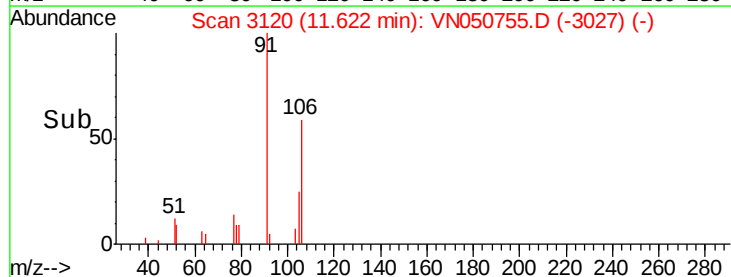
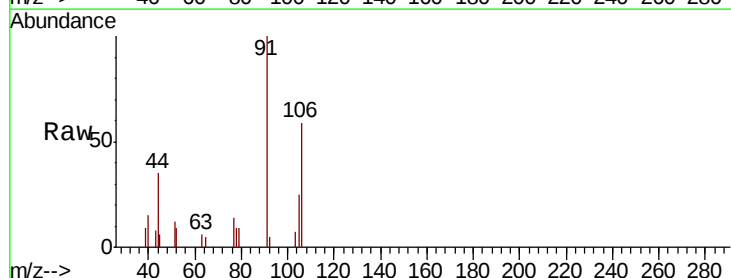
Acq: 18 Aug 2018 6:37

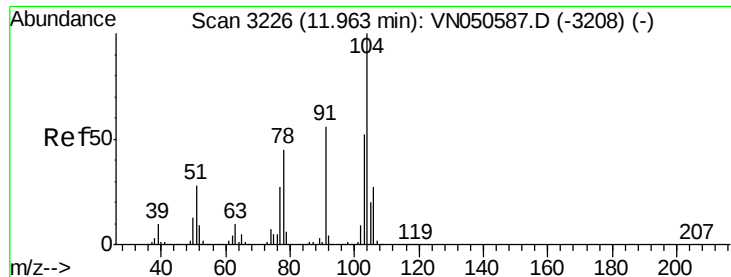
Tgt Ion:106 Resp: 3066

Ion Ratio Lower Upper

106 100

91 193.6 161.5 242.3

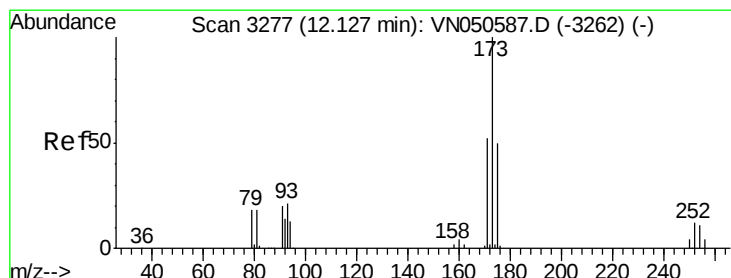
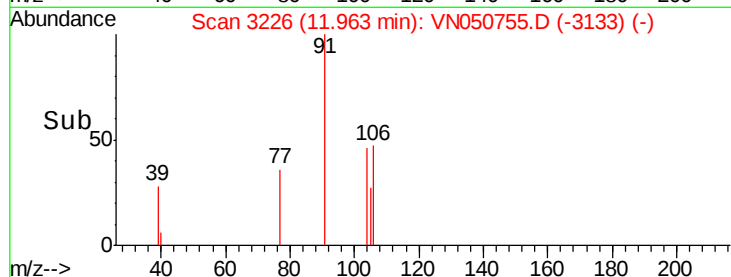
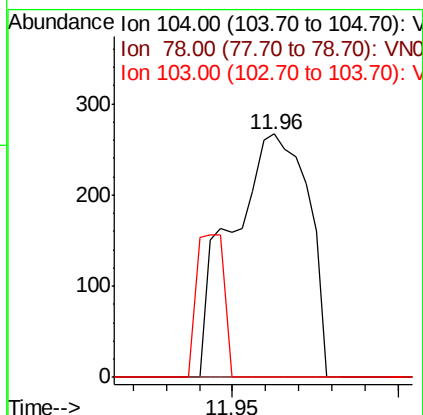
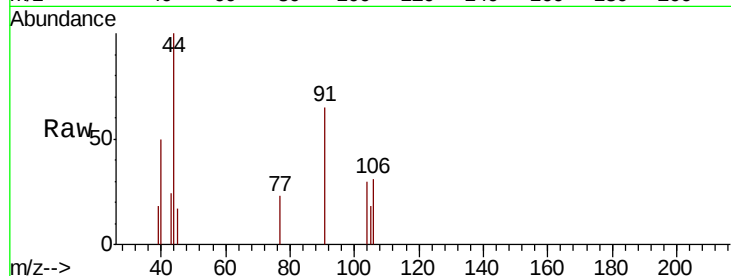




#70
Stvrene
Concen: 0.96 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050755.D
Acq: 18 Aug 2018 6:37

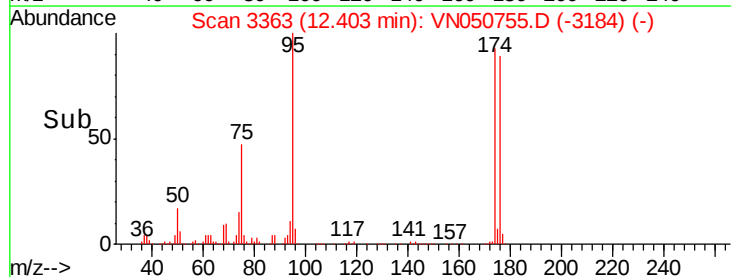
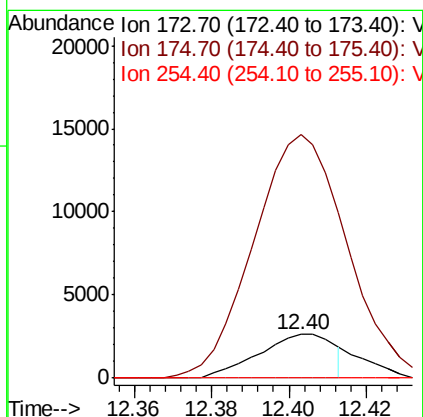
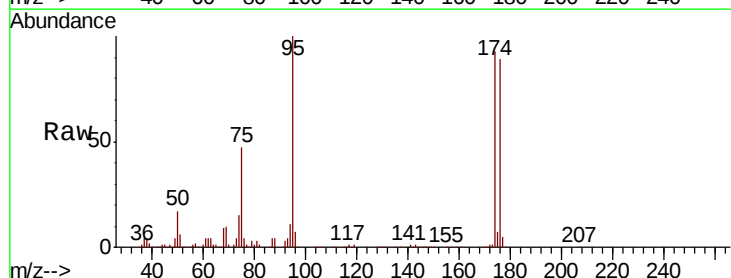
Instrument :
MSVOA_N
ClientSampleId :
72-12003

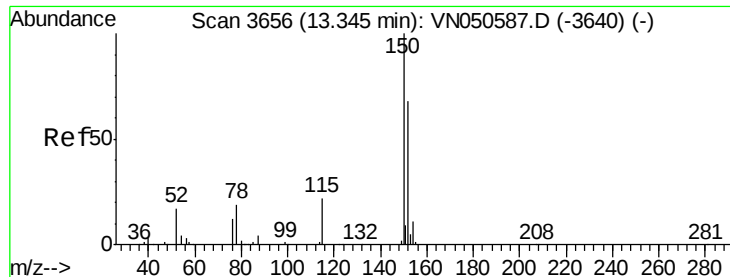
Tot Ion:104 Resp: 431
Ion Ratio Lower Upper
104 100
78 0.0 39.1 58.7#
103 20.9 44.9 67.3#



#71
Bromoform
Concen: 0.67 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050755.D
Acq: 18 Aug 2018 6:37

Tgt Ion:173 Resp: 3571
Ion Ratio Lower Upper
173 100
175 579.2 24.4 73.2#
254 0.0 0.0 0.0

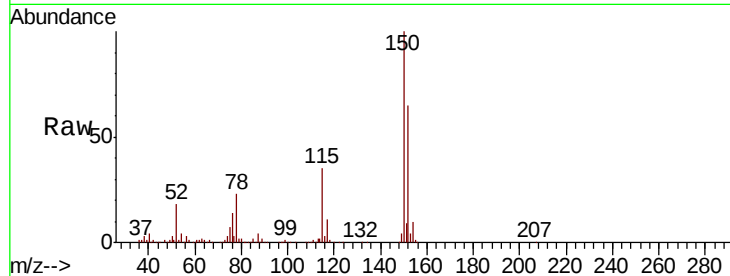




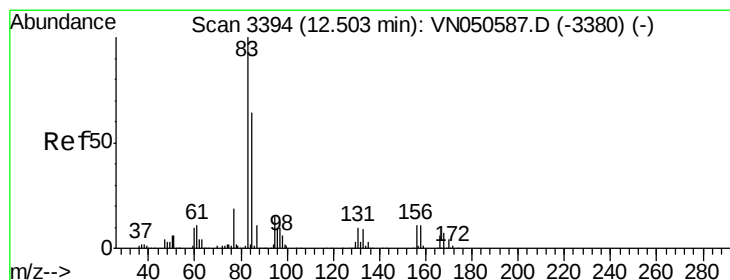
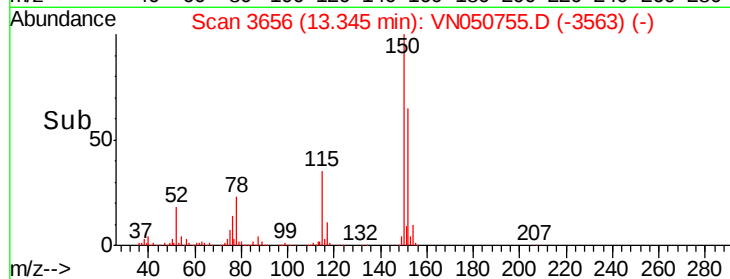
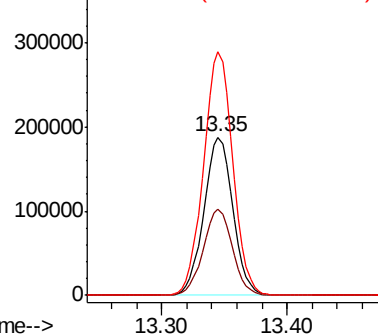
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050755.D
 Acq: 18 Aug 2018 6:37

Instrument :
 MSVOA_N
 ClientSampleId :
 72-12003

Tot Ion:152 Resp: 300242
 Ion Ratio Lower Upper
 152 100
 115 54.9 28.1 84.2
 150 155.1 0.0 347.8

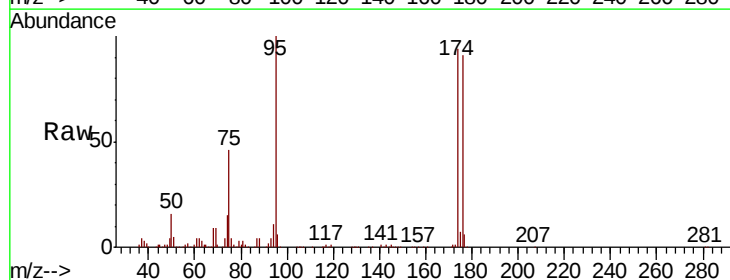


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

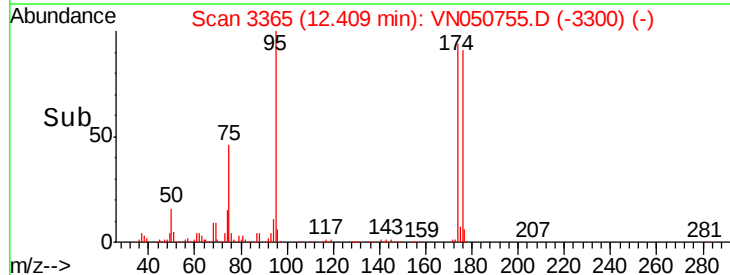
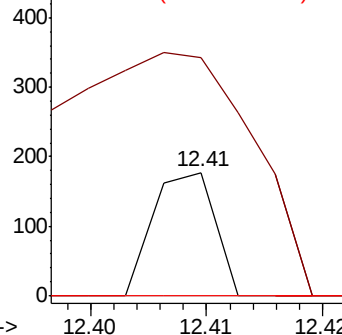


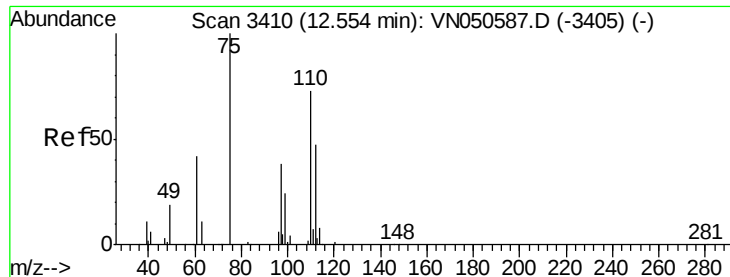
#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.41 min Scan# 3365
 Delta R.T. -0.09 min
 Lab File: VN050755.D
 Acq: 18 Aug 2018 6:37

Tgt Ion: 83 Resp: 66
 Ion Ratio Lower Upper
 83 100
 131 775.8 5.3 15.9#
 85 0.0 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VNO
 Ion 130.80 (130.50 to 131.50): V
 Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 35.44 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

Instrument :

MSVOA_N

ClientSampleId :

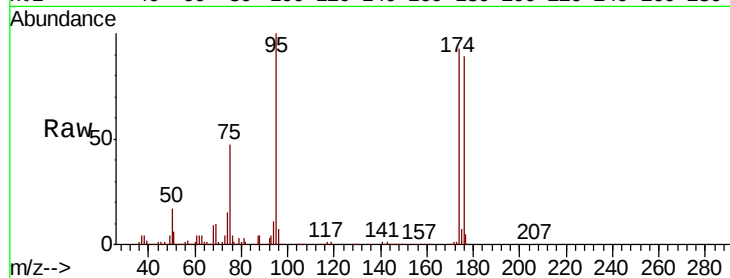
72-12003

Tot Ion: 75 Resp: 173361

Ion Ratio Lower Upper

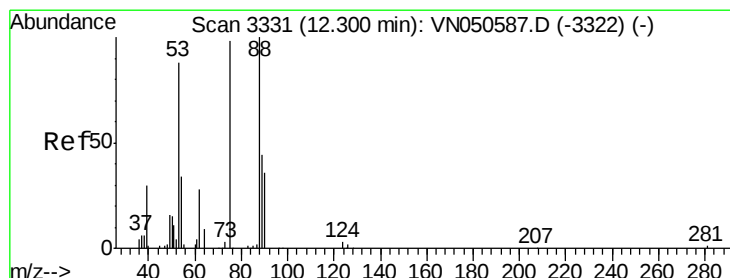
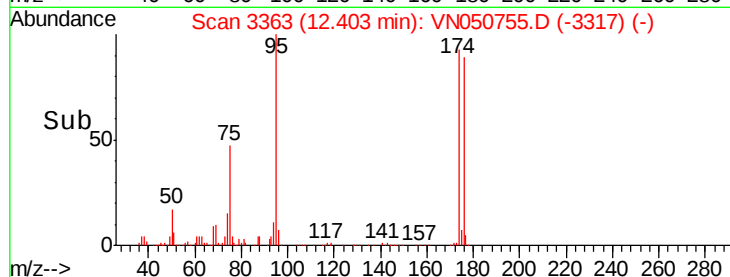
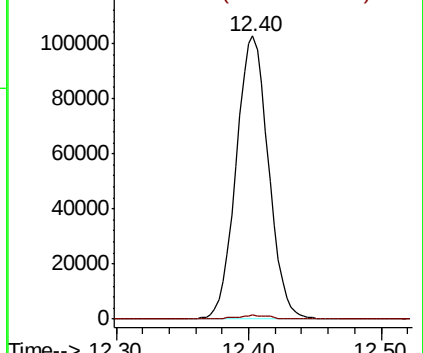
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 128.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050755.D

Acq: 18 Aug 2018 6:37

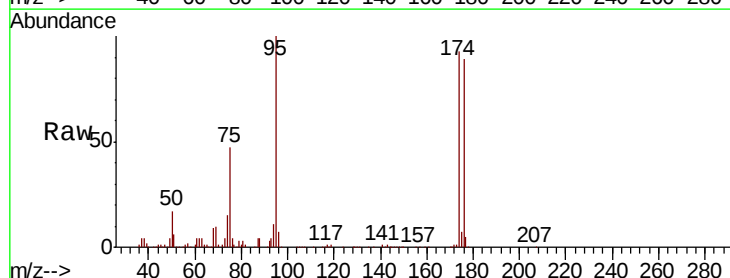
Tgt Ion: 75 Resp: 173361

Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

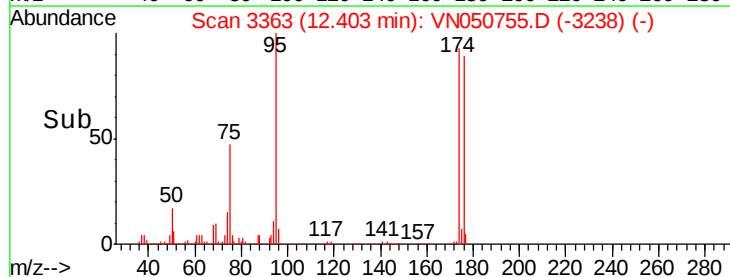
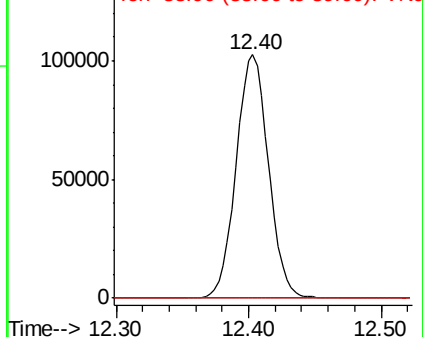
89 0.0 36.3 54.5#

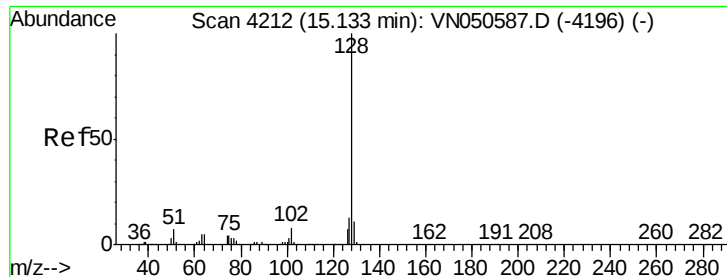


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95
 Naphthalene
 Concen: 13.47 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050755.D
 Acq: 18 Aug 2018 6:37

Instrument :
 MSVOA_N
 ClientSampleId :
 72-12003

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.3	15.5
129	10.9	8.5	12.7

