

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081618\
 Data File : VN050708.D
 Acq On : 16 Aug 2018 18:00
 Operator : MD\SY
 Sample : J4269-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 04:32:54 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	640249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1091302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326752	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	449968	55.76	ug/l	0.00
Spiked Amount			Recovery	=	111.52%	
35) Dibromofluoromethane	7.59	113	413483	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	10.09	98	1481562	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
62) 4-Bromofluorobenzene	12.40	95	396886	36.64	ug/l	0.00
Spiked Amount			Recovery	=	73.28%	

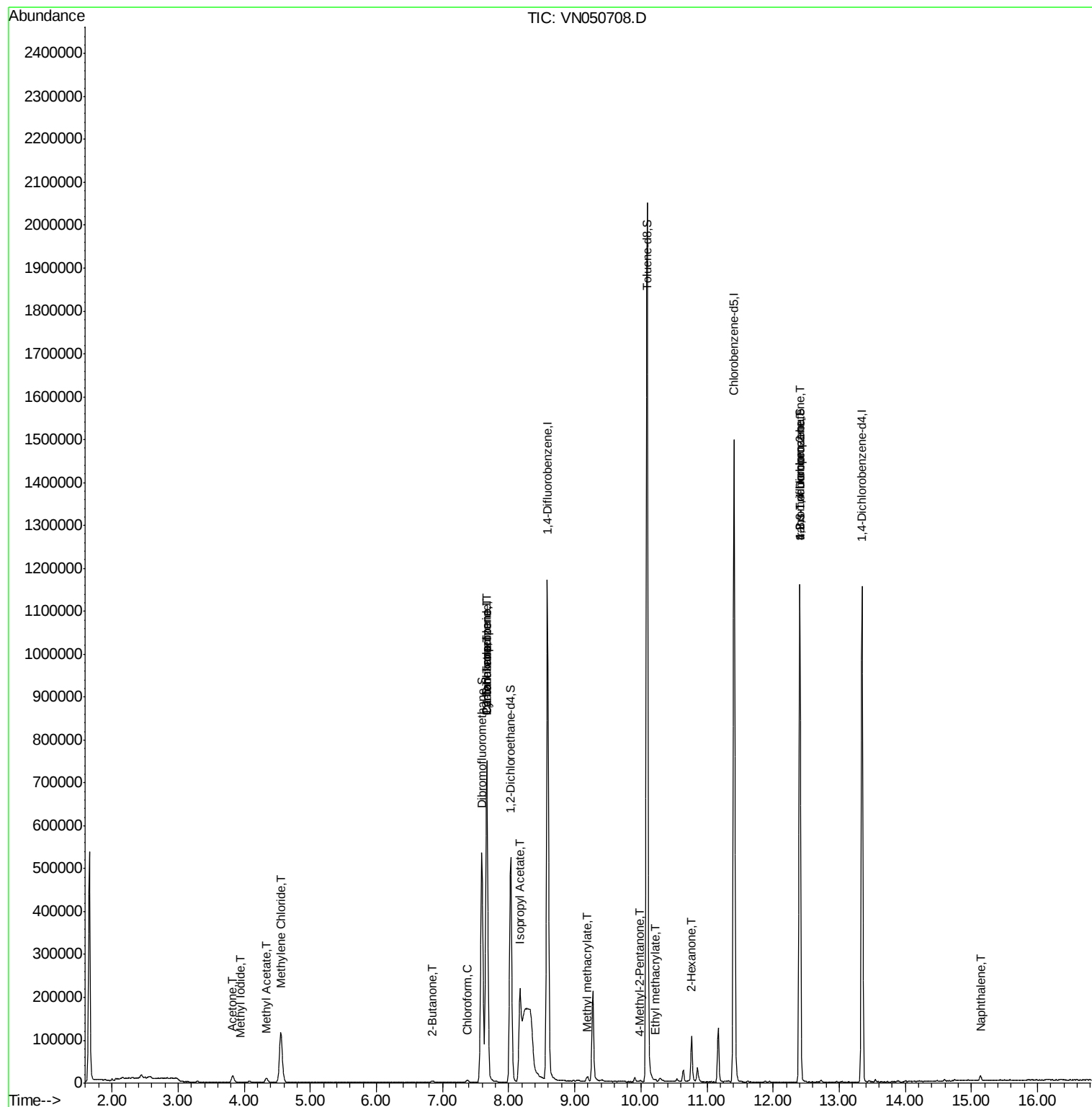
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2412	Below Cal		93
5) Bromomethane	2.56	94	2609	Below Cal		100
6) Chloroethane	2.72	64	181	Below Cal	#	43
10) Methyl Iodide	3.95	142	175	6.977	ug/l #	42
16) Acetone	3.83	43	26320	11.680	ug/l	98
18) Methyl Acetate	4.34	43	19191	2.439	ug/l	96
20) Methylene Chloride	4.55	84	93708	11.230	ug/l	97
25) 2-Butanone	6.85	43	4710	1.423	ug/l	97
30) Chloroform	7.37	83	7401	0.509	ug/l	97
31) Cyclohexane	7.67	56	11410	0.591	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44059	3.627	ug/l #	49
38) Carbon Tetrachloride	7.67	117	58493	4.641	ug/l #	16
43) Isopropyl Acetate	8.17	43	274969	21.973	ug/l #	91
48) Methyl methacrylate	9.18	41	7865	1.249	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	2839	0.335	ug/l #	86
56) Ethyl methacrylate	10.23	69	2213	2.107	ug/l #	52
59) 2-Hexanone	10.77	43	13404	2.454	ug/l	62
75) 1,1,2,2-Tetrachloroethane	12.41	83	106	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	191035	35.897	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191035	129.979	ug/l #	13
95) Naphthalene	15.14	128	10295	4.617	ug/l	98

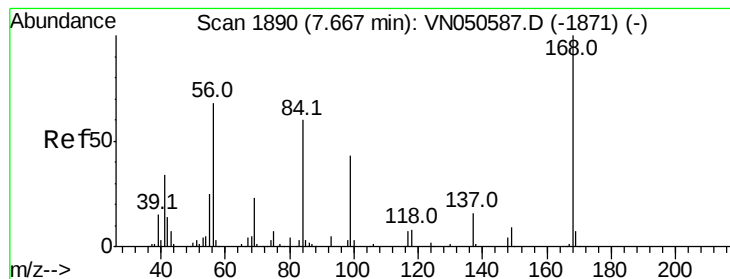
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

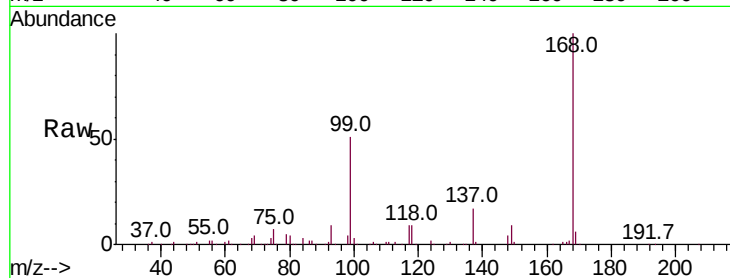
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 640249

Ion Ratio Lower Upper

168 100

99 51.0 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

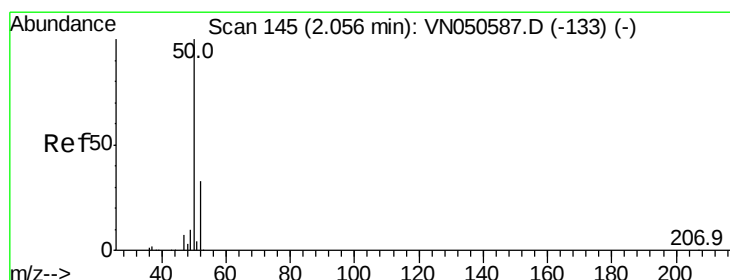
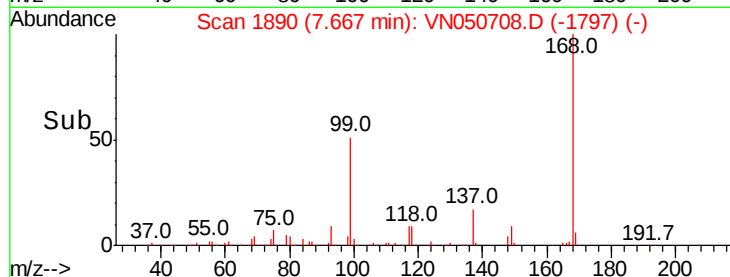
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050708.D

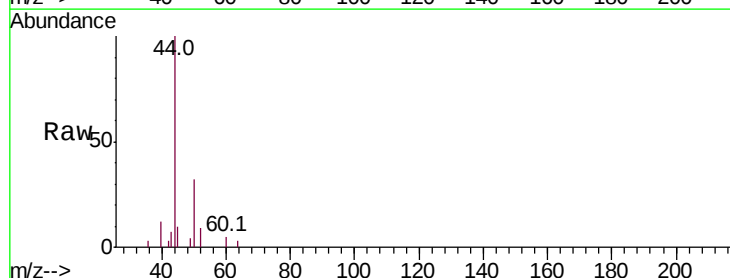
Acq: 16 Aug 2018 18:00

Tgt Ion: 50 Resp: 2412

Ion Ratio Lower Upper

50 100

52 28.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

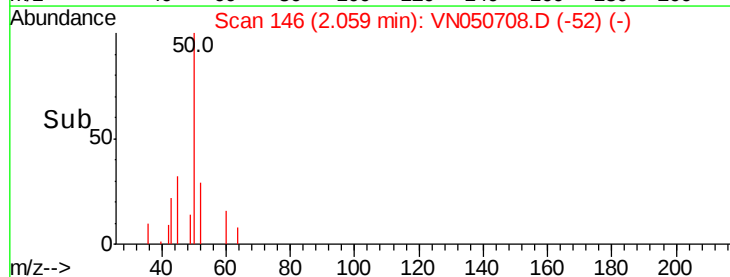
1500

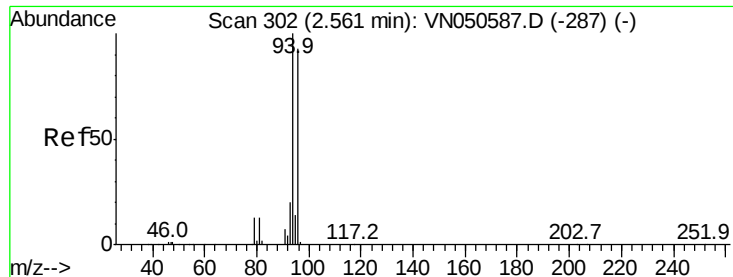
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

Instrument :

MSVOA_N

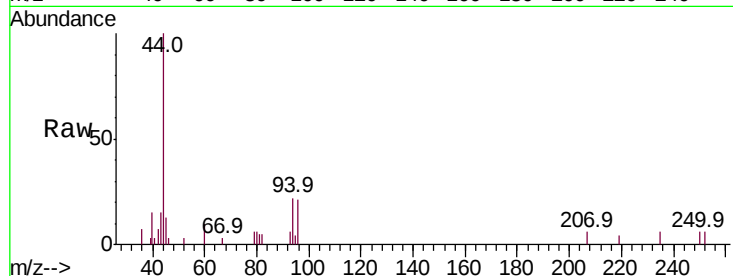
ClientSampled :

Tot Ion: 94 Resp: 2609

Ion Ratio Lower Upper

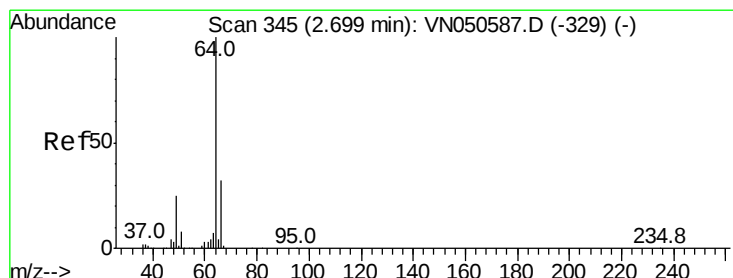
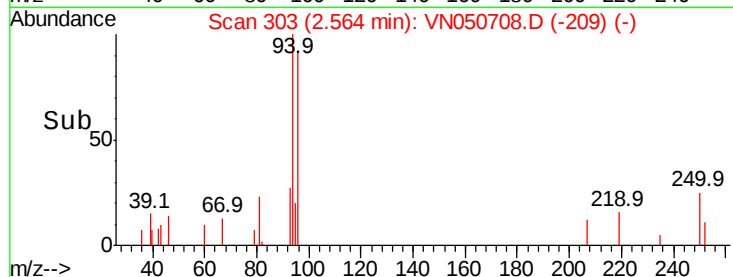
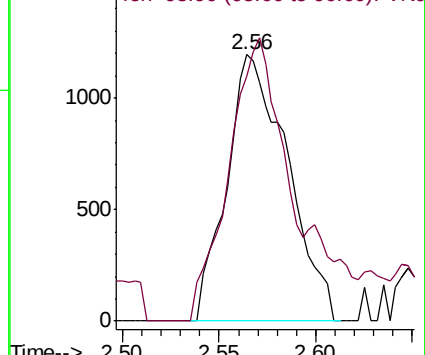
94 100

96 92.2 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: 2.72 min Scan# 350

Delta R.T. 0.02 min

Lab File: VN050708.D

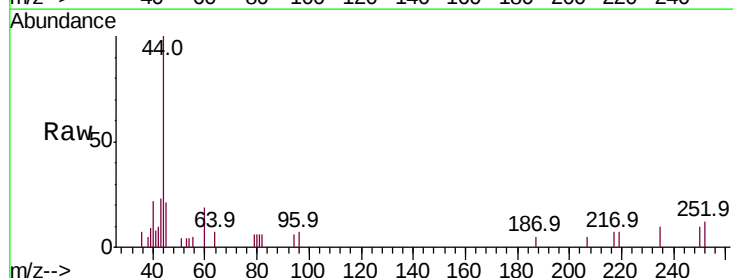
Acq: 16 Aug 2018 18:00

Tgt Ion: 64 Resp: 181

Ion Ratio Lower Upper

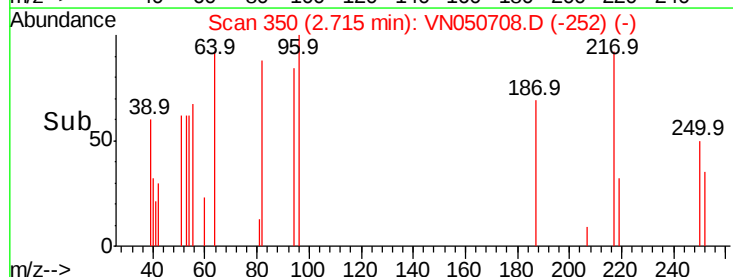
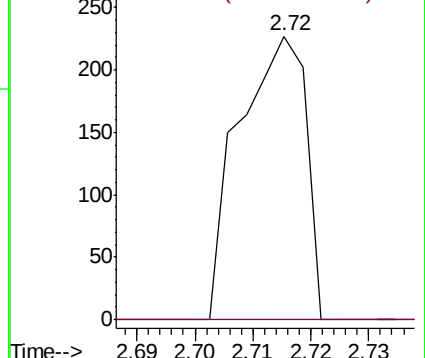
64 100

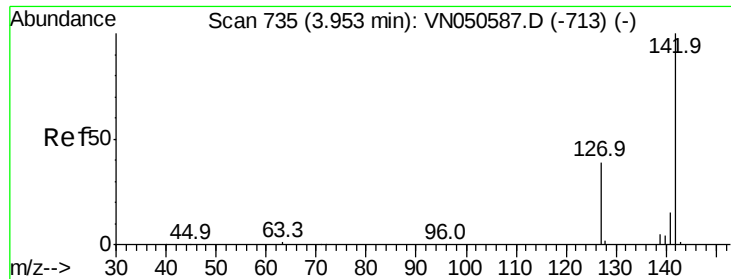
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

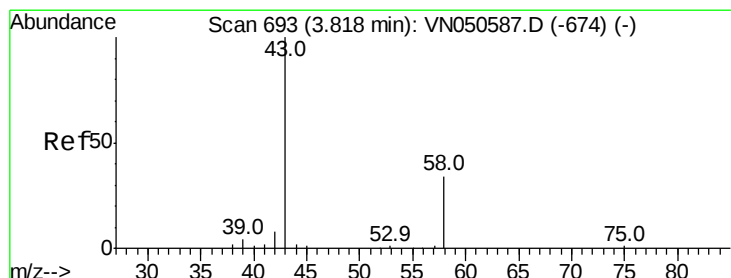
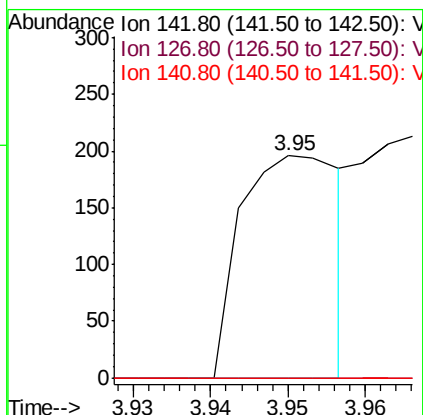
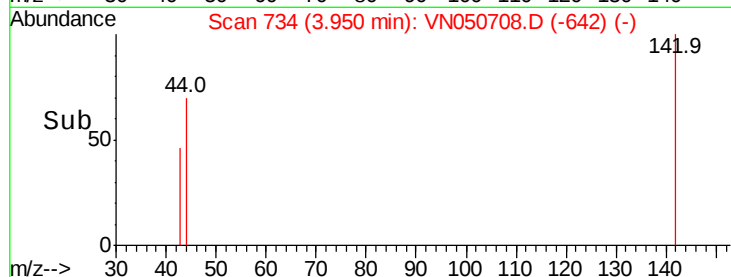
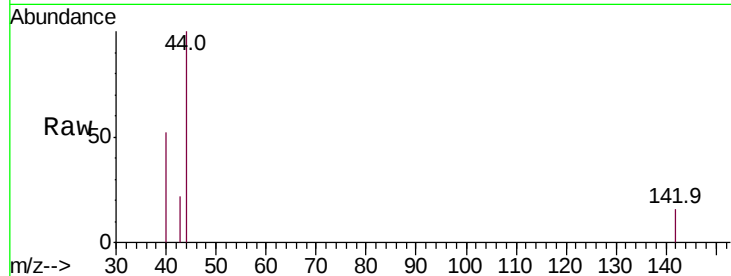




#10
Methvl Iodide
Concen: 6.977 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050708.D
Acq: 16 Aug 2018 18:00

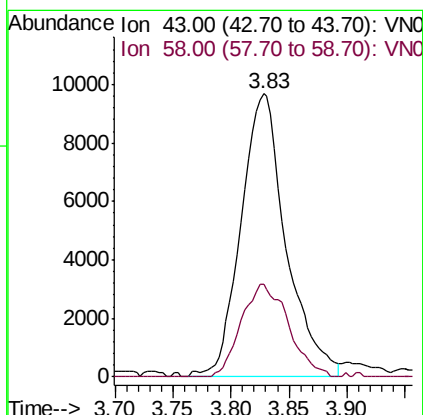
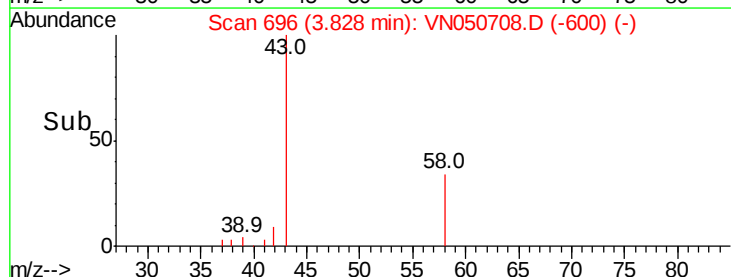
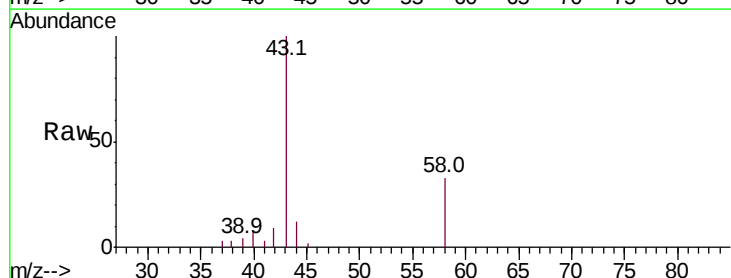
Instrument :
MSVOA_N
ClientSampleId :

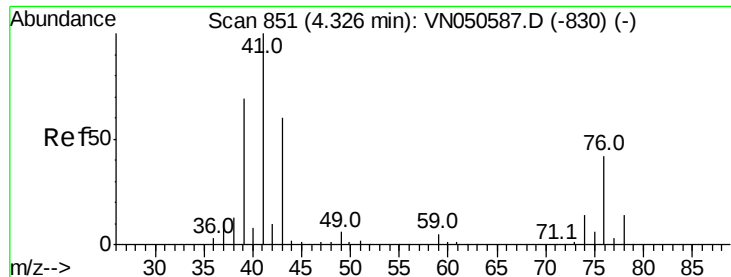
Tot Ion:142 Resp: 175
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 11.680 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN050708.D
Acq: 16 Aug 2018 18:00

Tgt Ion: 43 Resp: 26320
Ion Ratio Lower Upper
43 100
58 32.9 27.1 40.7





#18

Methyl Acetate

Concen: 2.439 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

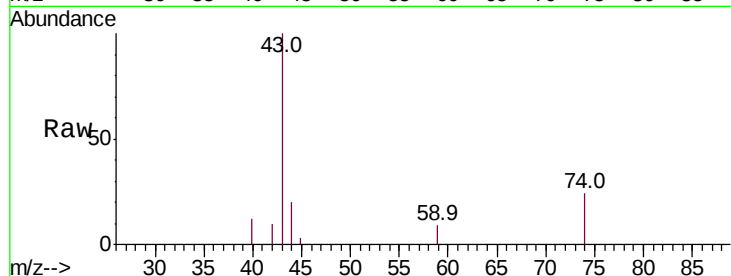
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 19191

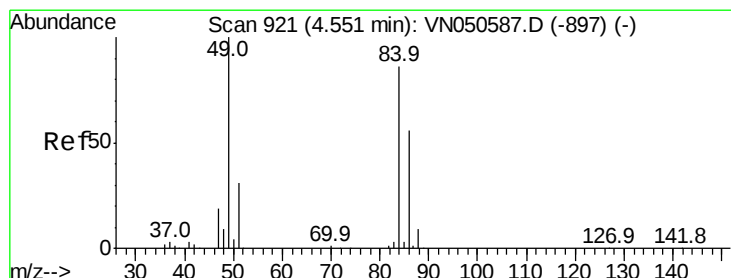
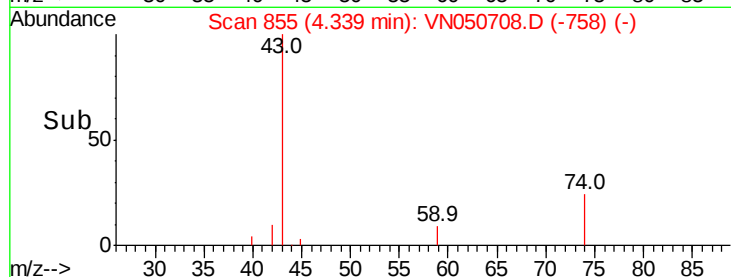
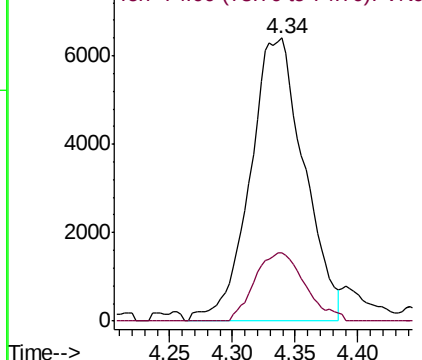
Ion Ratio Lower Upper

43 100

74 22.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 74.00 (73.70 to 74.70): VNC



#20

Methylene Chloride

Concen: 11.230 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

Tgt Ion: 84 Resp: 93708

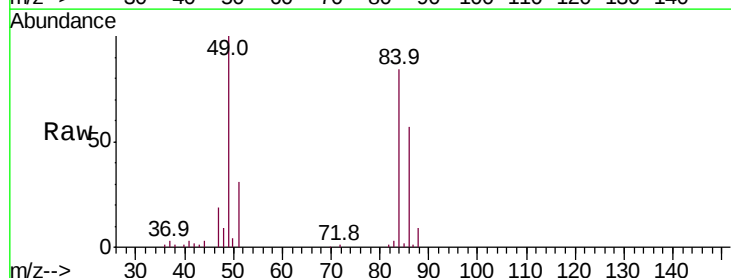
Ion Ratio Lower Upper

84 100

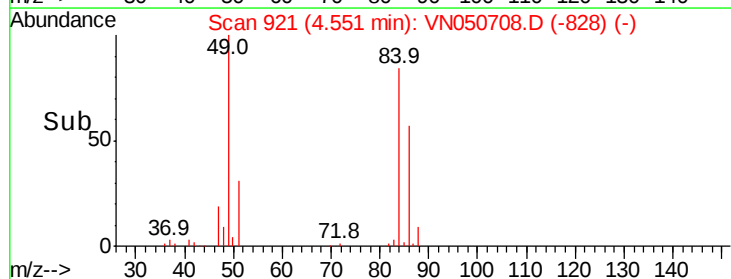
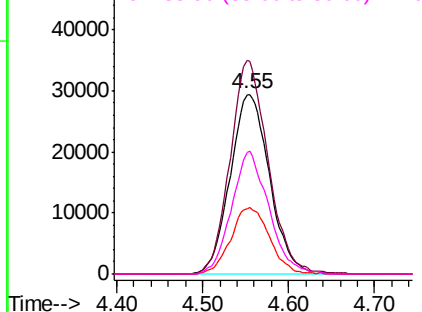
49 119.1 92.6 138.8

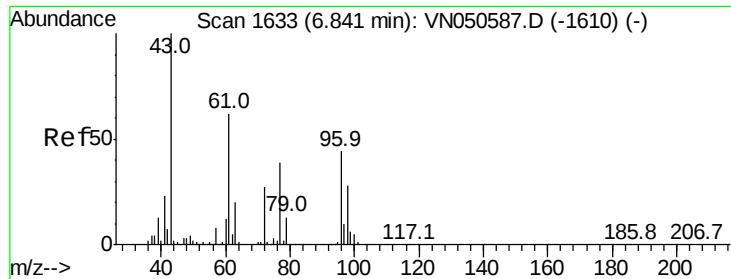
51 36.8 28.6 43.0

86 67.7 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

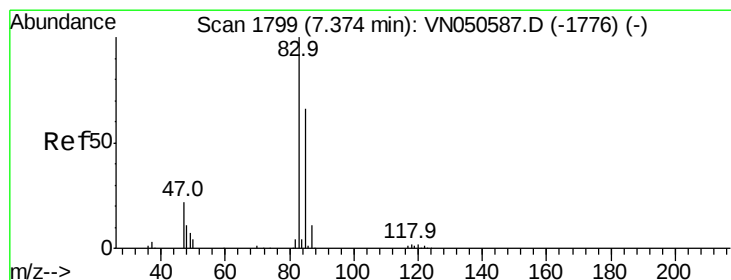
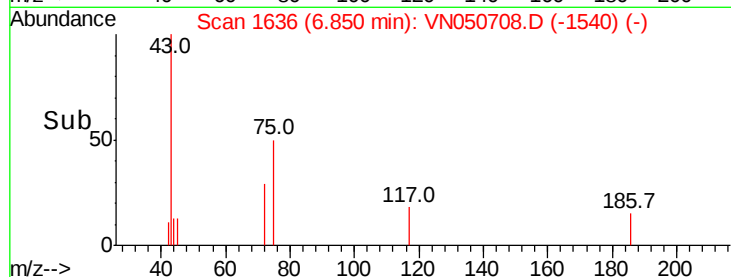
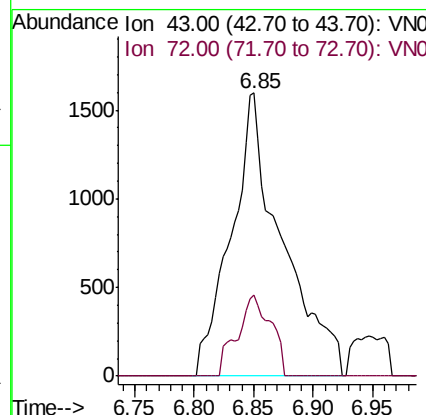
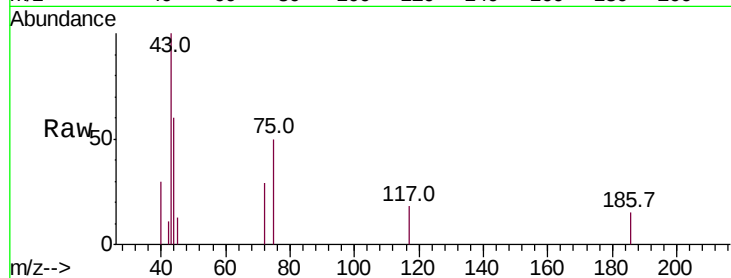




#25
 2-Butanone
 Concen: 1.423 ug/l
 RT: 6.85 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: VN050708.D
 Acq: 16 Aug 2018 18:00

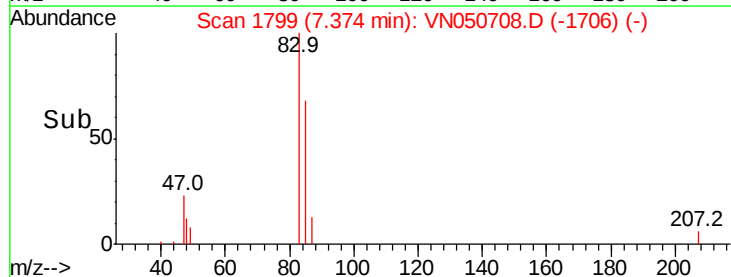
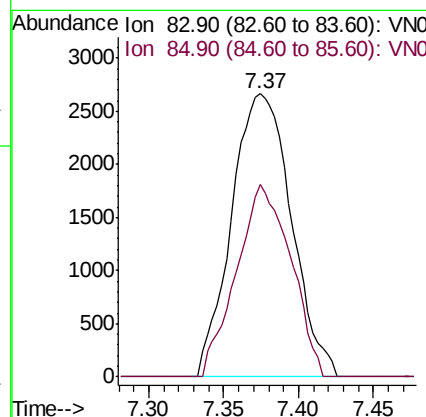
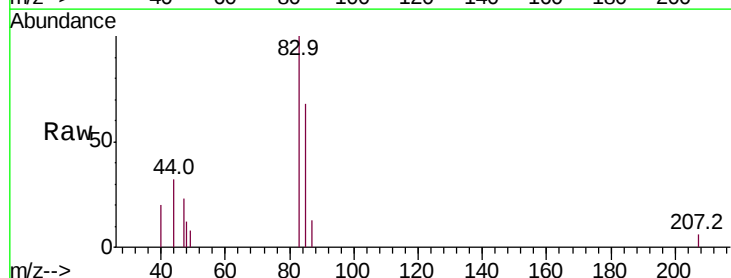
Instrument :
 MSVOA_N
 ClientSampleId :

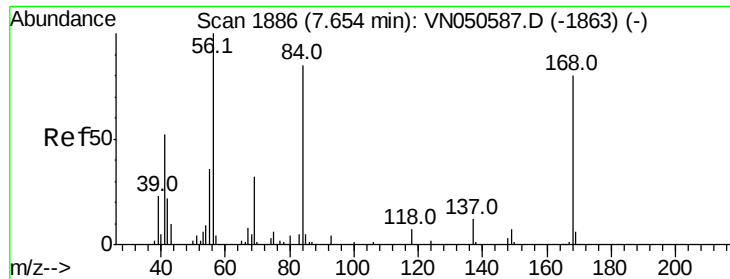
Tot Ion: 43 Resp: 4710
 Ion Ratio Lower Upper
 43 100
 72 28.7 21.8 32.6



#30
 Chloroform
 Concen: 0.509 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050708.D
 Acq: 16 Aug 2018 18:00

Tgt Ion: 83 Resp: 7401
 Ion Ratio Lower Upper
 83 100
 85 68.1 52.5 78.7

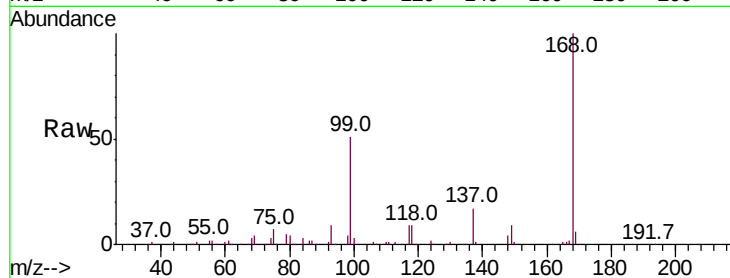




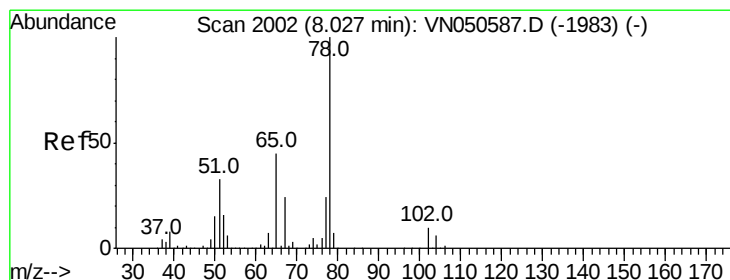
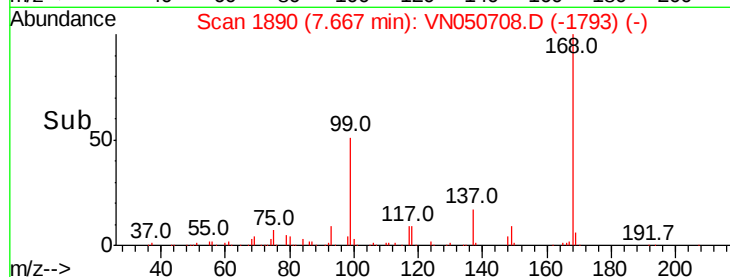
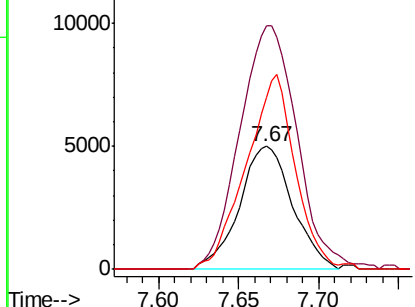
#31
Cyclohexane
Concen: 0.591 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050708.D
Acq: 16 Aug 2018 18:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 11410
Ion Ratio Lower Upper
56 100
69 197.7 25.8 38.6#
84 140.1 67.8 101.6#

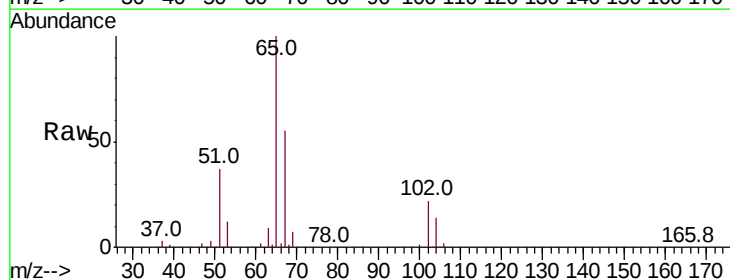


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

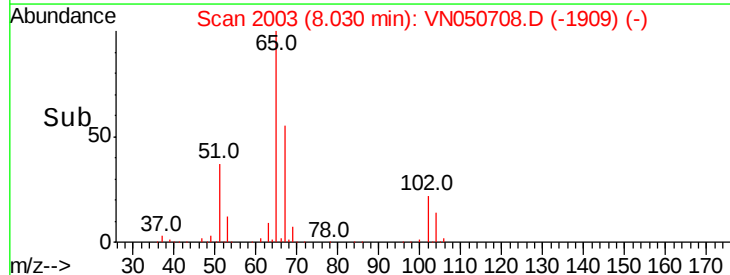
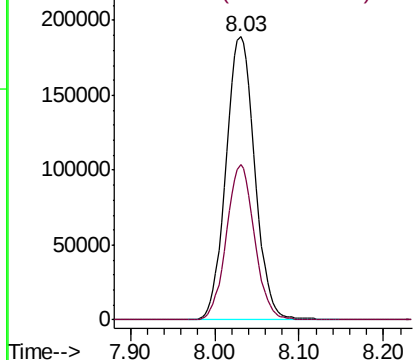


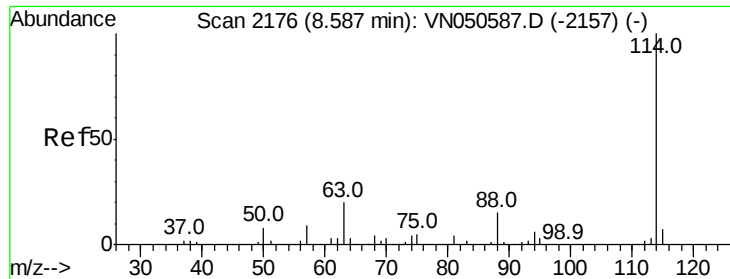
#33
1,2-Dichloroethane-d4
Concen: 55.756 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050708.D
Acq: 16 Aug 2018 18:00

Tgt Ion: 65 Resp: 449968
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.8



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



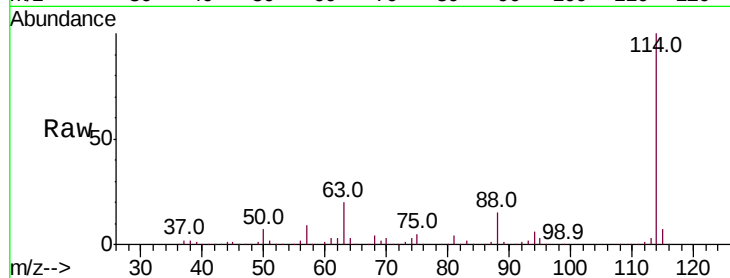


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050708.D
 Acq: 16 Aug 2018 18:00

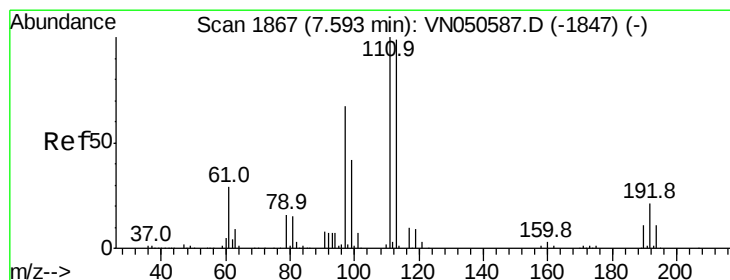
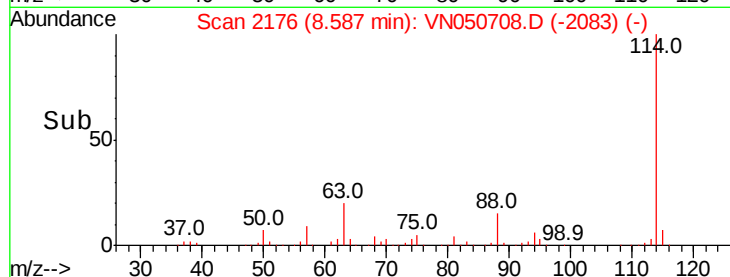
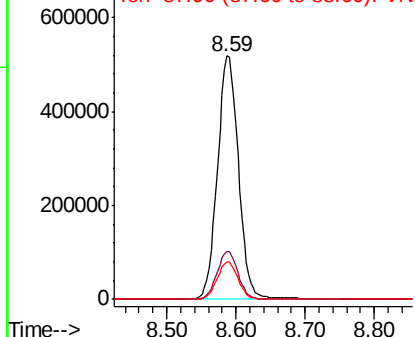
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1091302

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	15.3	0.0	30.8



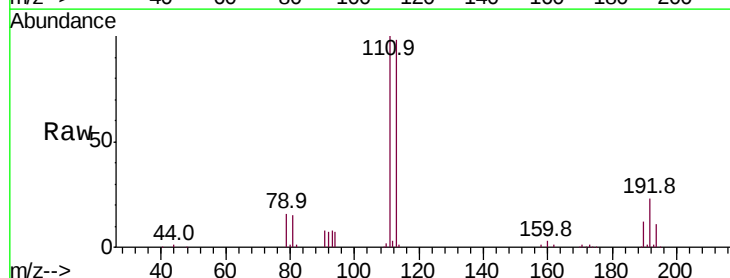
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



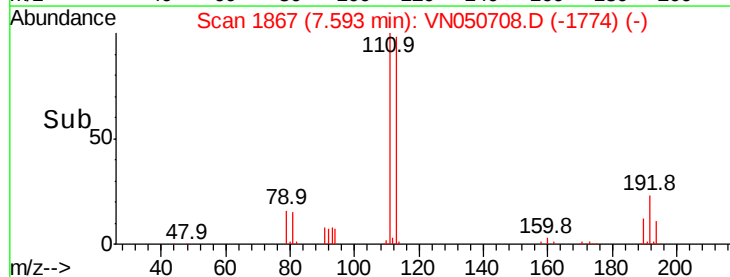
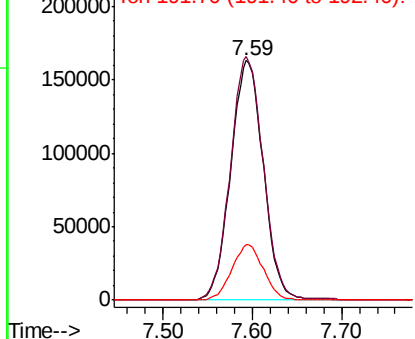
#35
 Dibromofluoromethane
 Concen: 47.458 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050708.D
 Acq: 16 Aug 2018 18:00

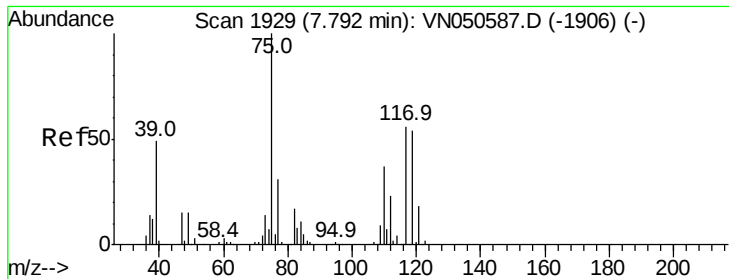
Tgt Ion:113 Resp: 413483

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.0	121.6
192	22.4	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: 3.627 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

Instrument :
MSVOA_N
ClientSampled :

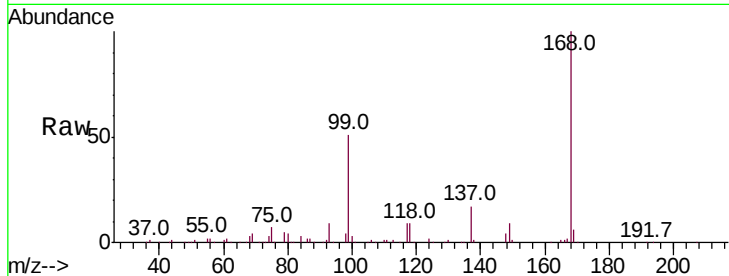
Tot Ion: 75 Resp: 44059

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.9#

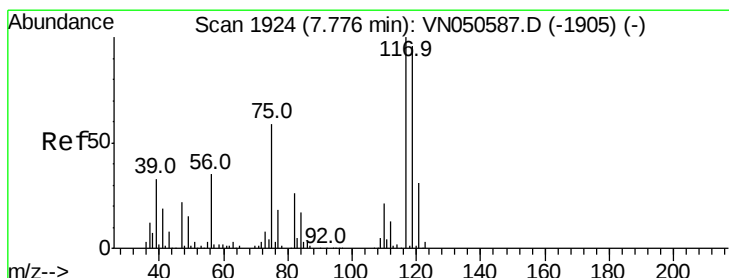
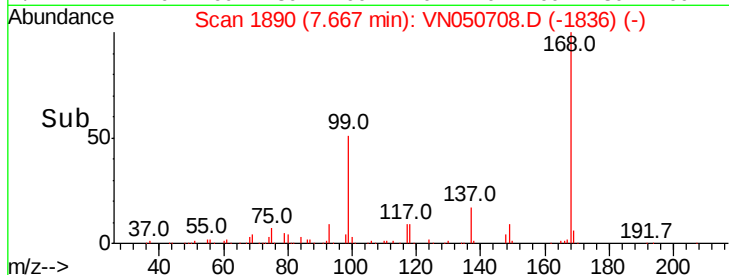
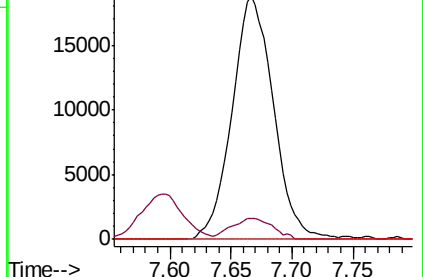
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN050708.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN050708.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN050708.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 4.641 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

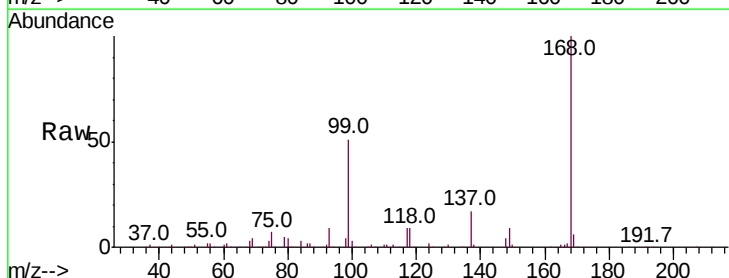
Tgt Ion: 117 Resp: 58493

Ion Ratio Lower Upper

117 100

119 5.3 76.6 115.0#

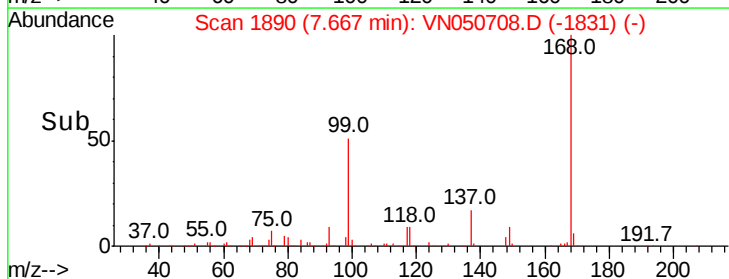
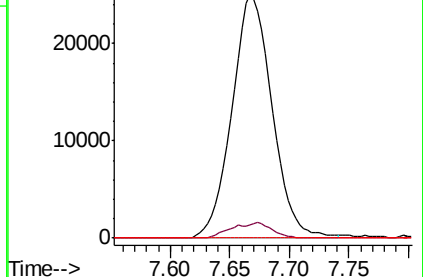
121 0.0 25.0 37.6#

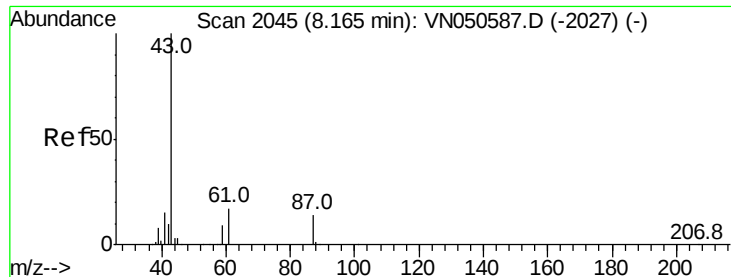


Abundance Ion 116.80 (116.50 to 117.50): VN050708.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN050708.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN050708.D (-1831) (-)





#43

Isopropyl Acetate

Concen: 21.973 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.01 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

Instrument :

MSVOA_N

ClientSampled :

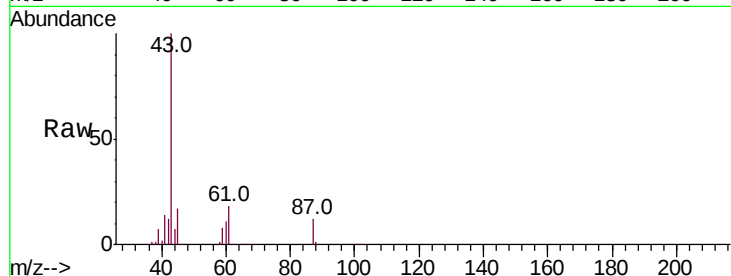
Tot Ion: 43 Resp: 274969

Ion Ratio Lower Upper

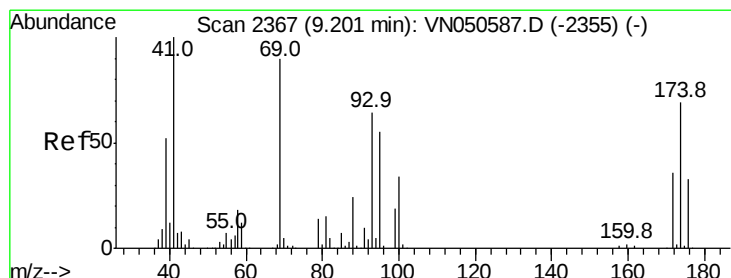
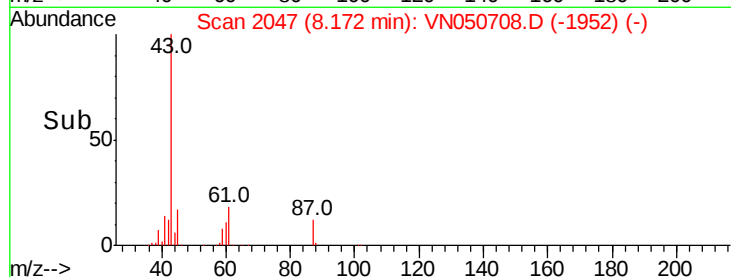
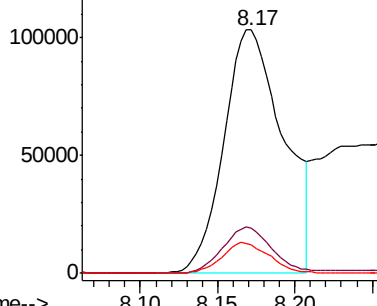
43 100

61 15.8 16.2 24.2#

87 10.2 10.9 16.3#



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



#48

Methyl methacrylate

Concen: 1.249 ug/l

RT: 9.18 min Scan# 2360

Delta R.T. -0.02 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

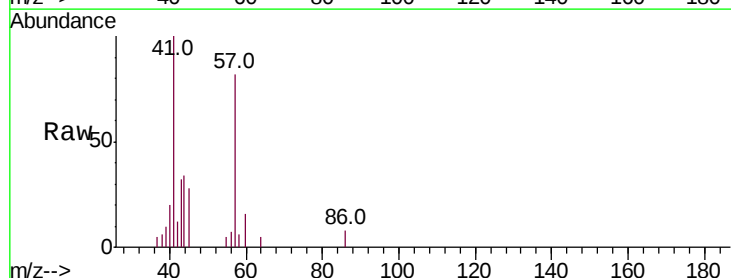
Tgt Ion: 41 Resp: 7865

Ion Ratio Lower Upper

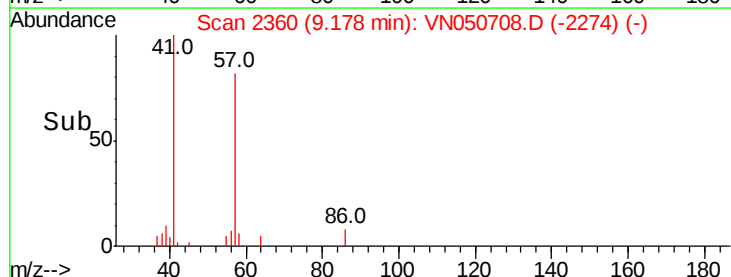
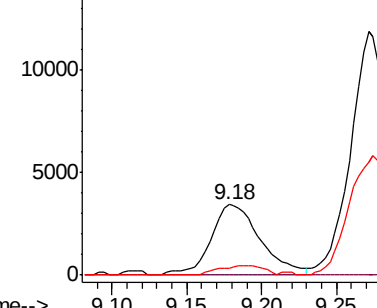
41 100

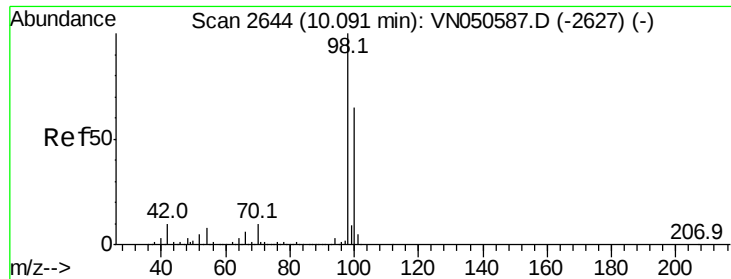
69 0.0 73.4 110.0#

39 12.2 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

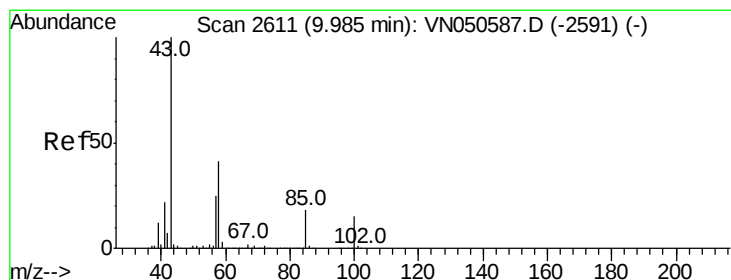
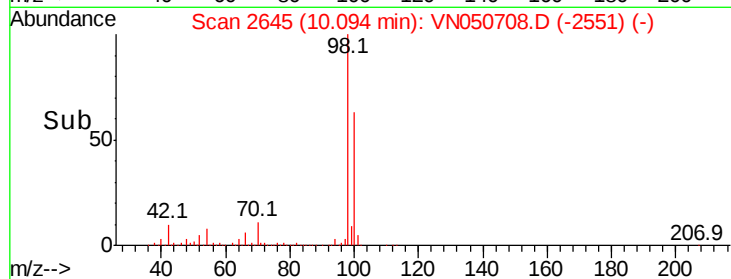
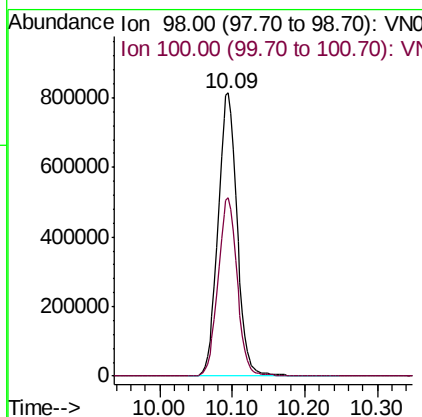
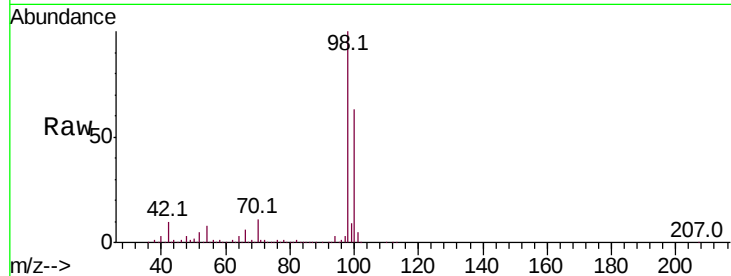




#50
Toluene-d8
Concen: 45.183 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050708.D
Acq: 16 Aug 2018 18:00

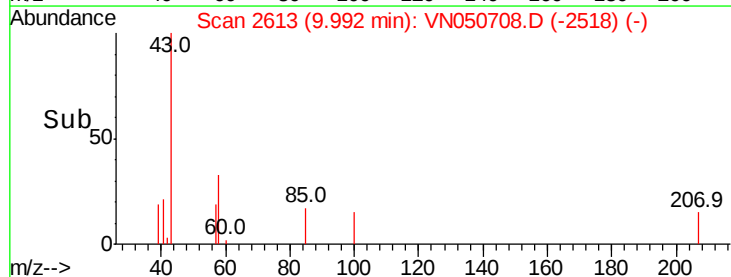
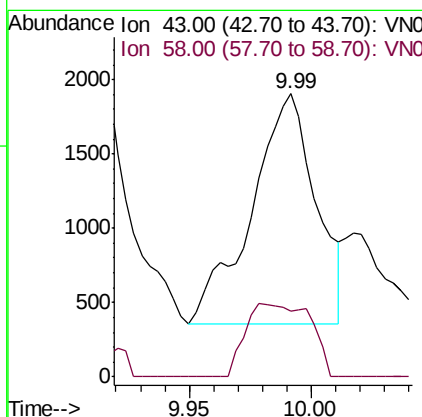
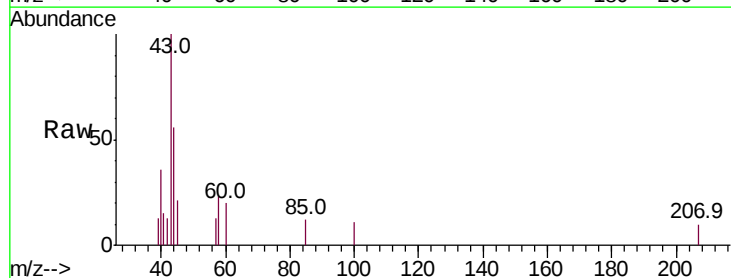
Instrument :
MSVOA_N
ClientSampleId :

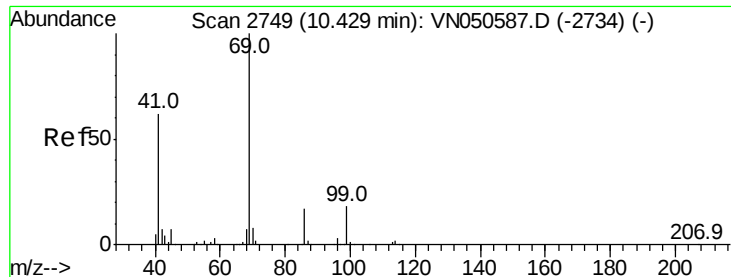
Tot Ion: 98 Resp: 1481562
Ion Ratio Lower Upper
98 100
100 63.1 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.335 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.01 min
Lab File: VN050708.D
Acq: 16 Aug 2018 18:00

Tgt Ion: 43 Resp: 2839
Ion Ratio Lower Upper
43 100
58 31.8 32.5 48.7#





#56

Ethyl methacrylate

Concen: 2.107 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.20 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

Instrument :

MSVOA_N

ClientSampled :

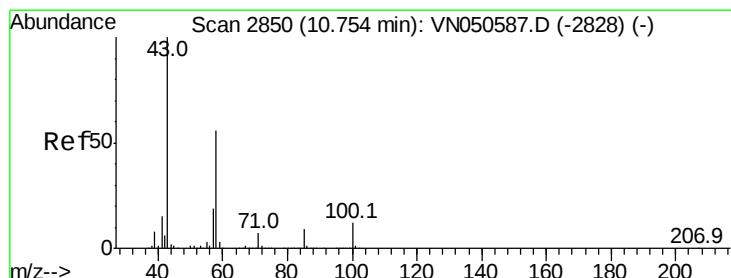
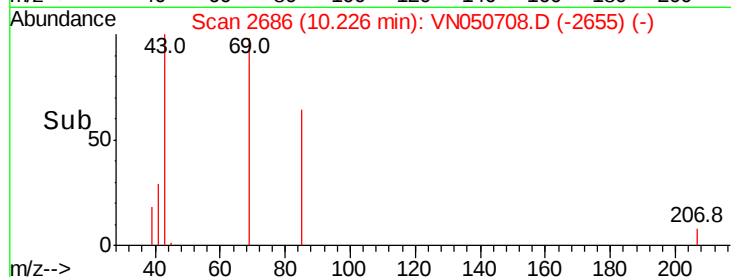
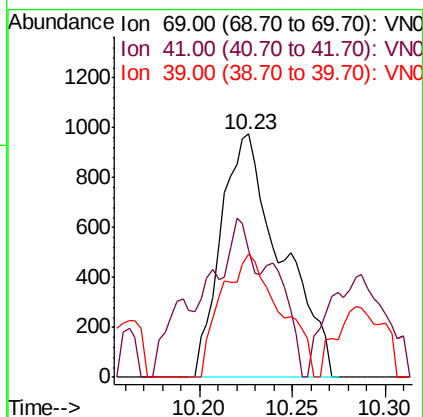
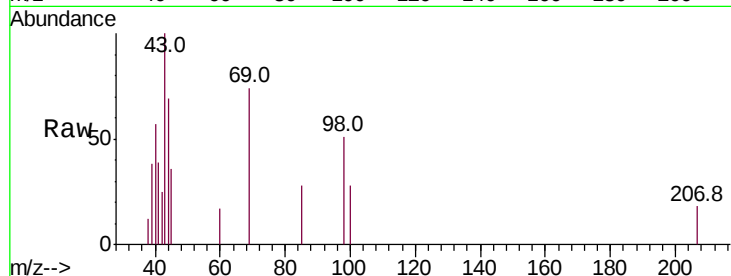
Tot Ion: 69 Resp: 2213

Ion Ratio Lower Upper

69 100

41 20.4 49.7 74.5#

39 49.3 24.2 36.2#



#59

2-Hexanone

Concen: 2.454 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050708.D

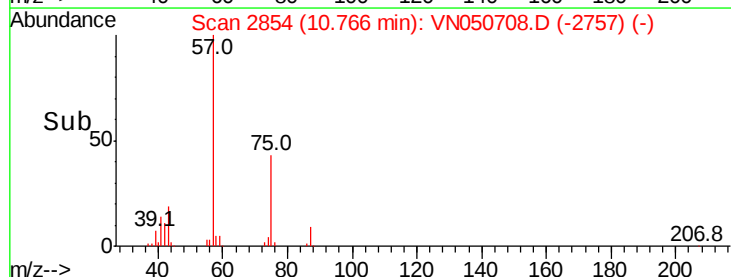
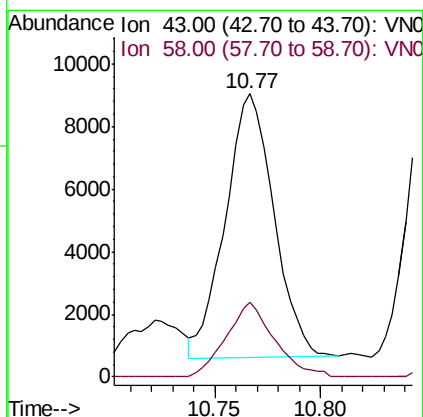
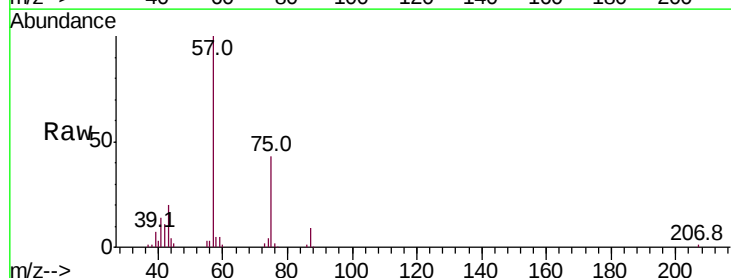
Acq: 16 Aug 2018 18:00

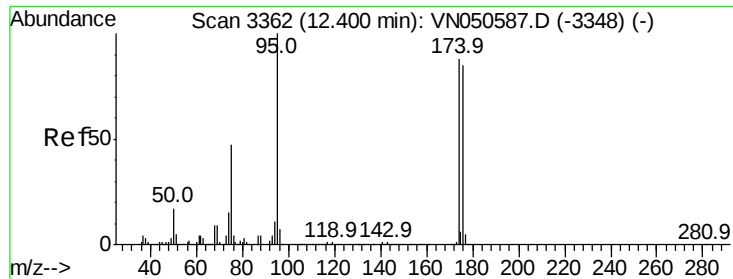
Tgt Ion: 43 Resp: 13404

Ion Ratio Lower Upper

43 100

58 28.2 28.0 84.0

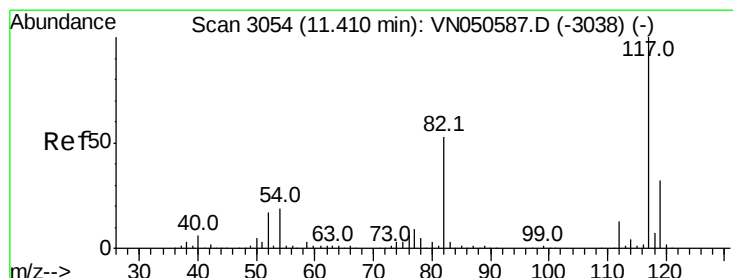
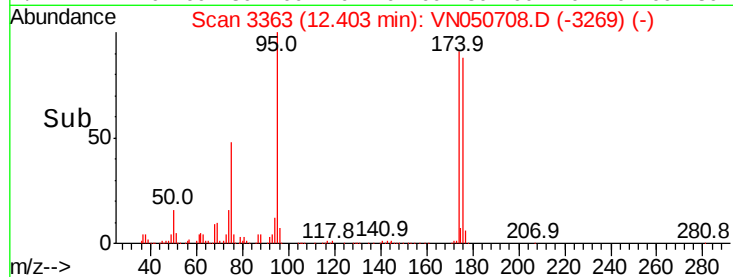
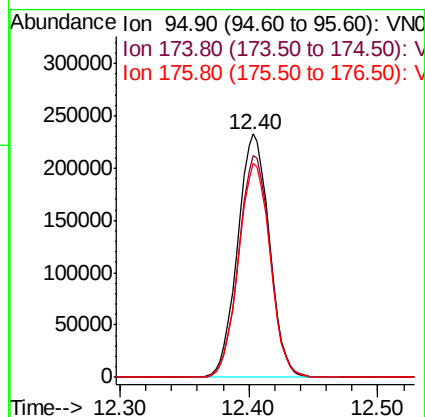
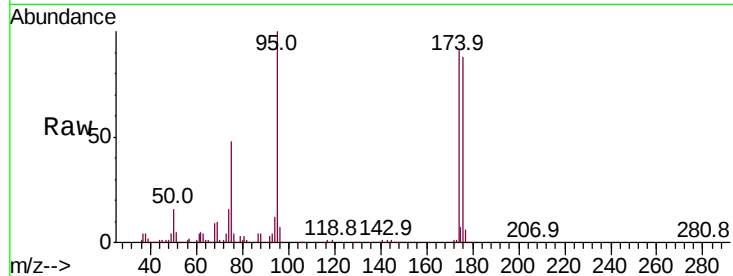




#62
4-Bromofluorobenzene
Concen: 36.638 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050708.D
Acq: 16 Aug 2018 18:00

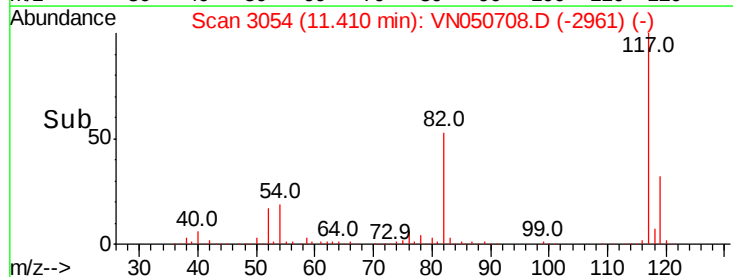
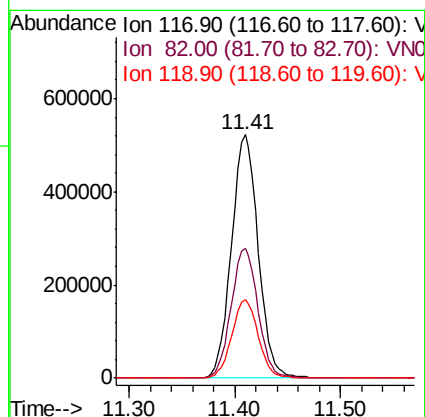
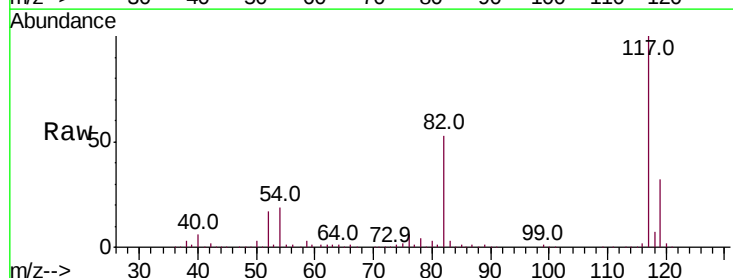
Instrument :
MSVOA_N
ClientSampleId :

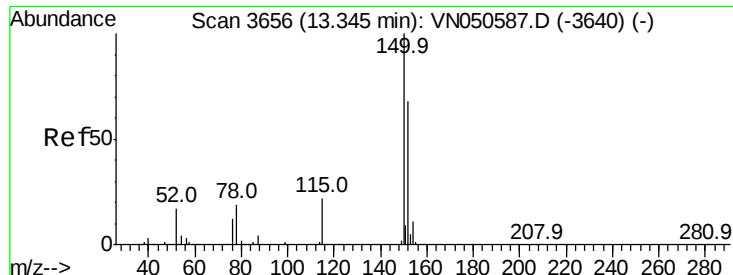
Tot Ion: 95 Resp: 396886
Ion Ratio Lower Upper
95 100
174 91.4 0.0 177.8
176 87.9 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050708.D
Acq: 16 Aug 2018 18:00

Tgt Ion: 117 Resp: 914460
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 32.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

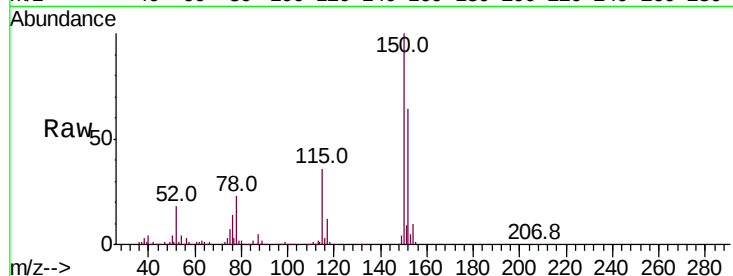
Tot Ion:152 Resp: 326752

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

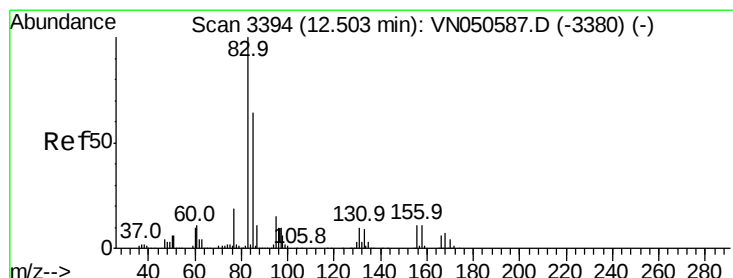
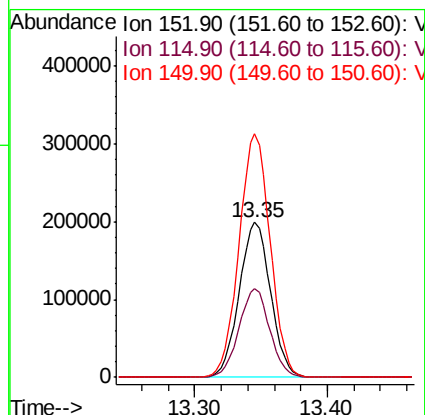
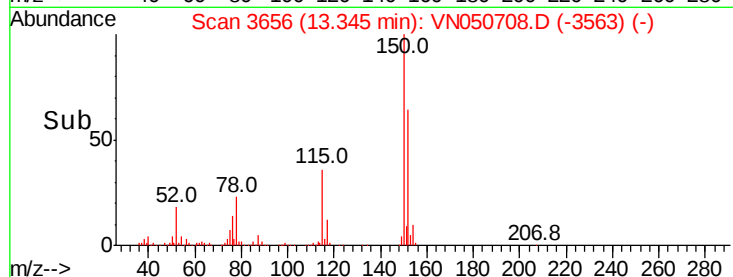
150 155.9 0.0 347.8



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# 3364

Delta R.T. -0.10 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

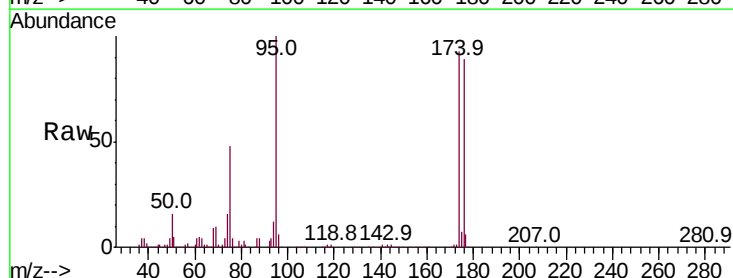
Tgt Ion: 83 Resp: 106

Ion Ratio Lower Upper

83 100

131 484.9 5.3 15.9#

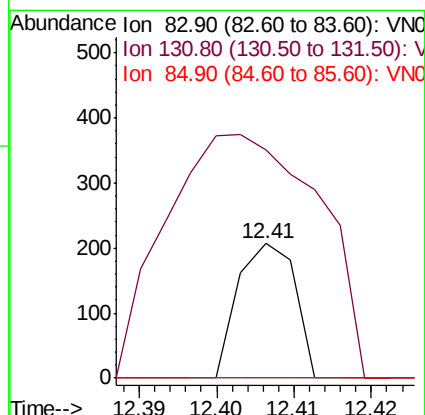
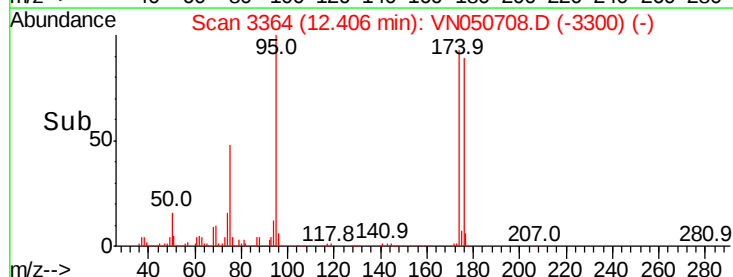
85 0.0 32.1 96.5#

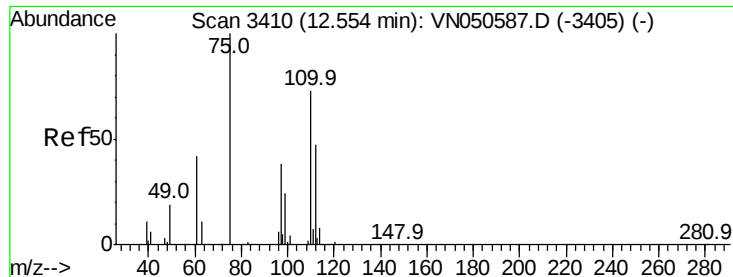


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 35.897 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

Instrument :

MSVOA_N

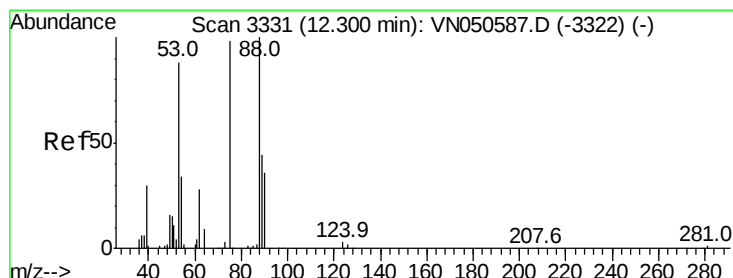
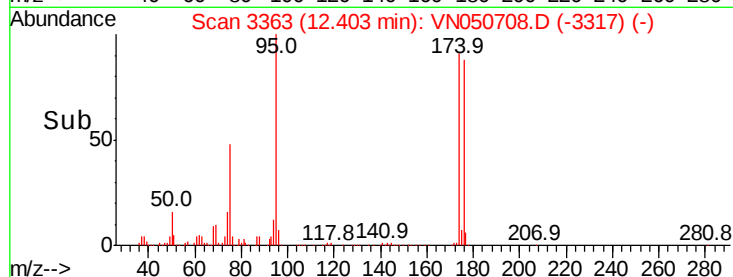
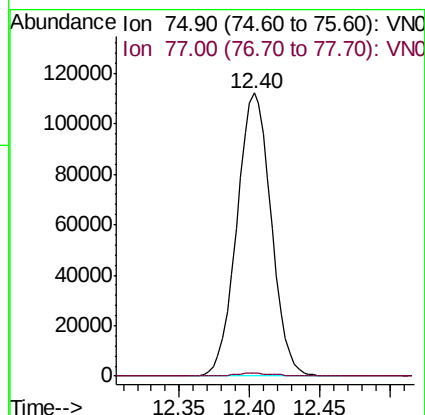
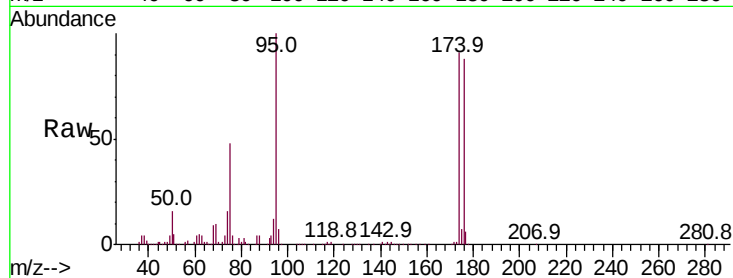
ClientSampleId :

Tot Ion: 75 Resp: 191035

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.979 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

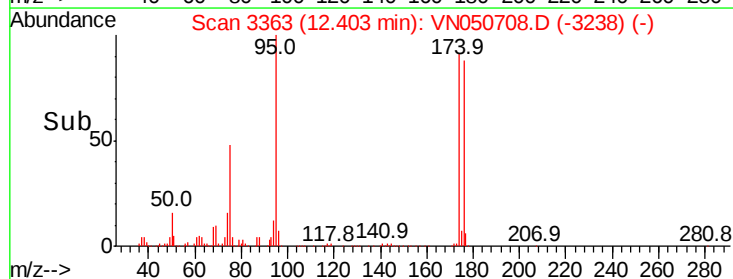
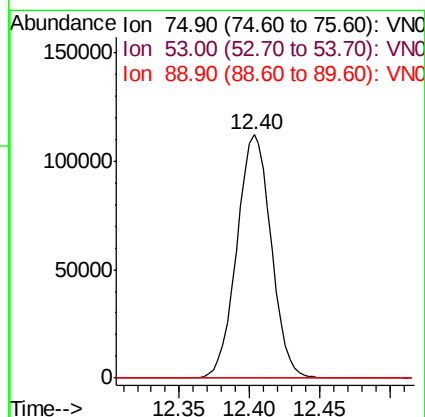
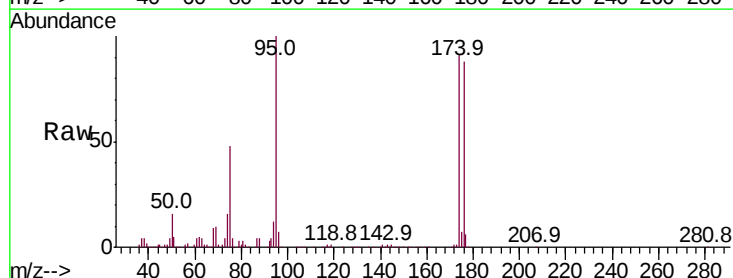
Tgt Ion: 75 Resp: 191035

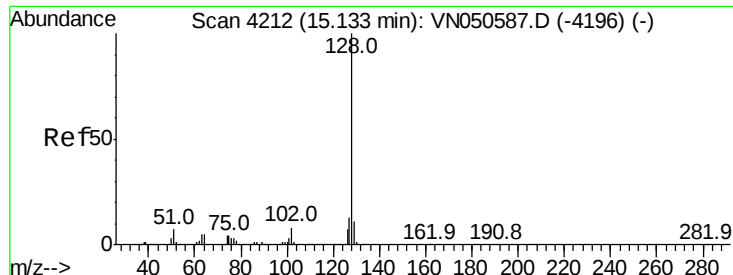
Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

89 0.0 36.3 54.5#

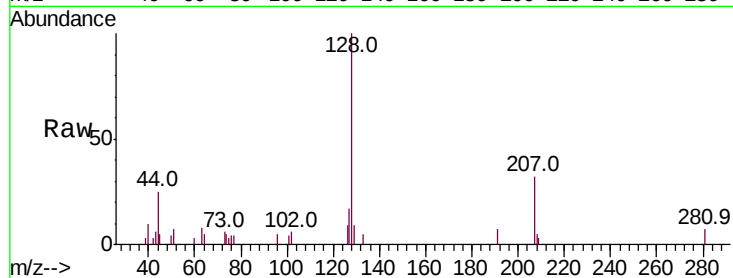




#95
Naphthalene
Concen: 4.617 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050708.D
Acq: 16 Aug 2018 18:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.3	15.5
129	10.4	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

