

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081618\
 Data File : VN050704.D
 Acq On : 16 Aug 2018 16:21
 Operator : MD\SY
 Sample : PB112098ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 04:32:00 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	610607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1040427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	896098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	332042	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	430989	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	
35) Dibromofluoromethane	7.59	113	400221	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	10.09	98	1410399	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
62) 4-Bromofluorobenzene	12.40	95	394720	38.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.44%	

Target Compounds

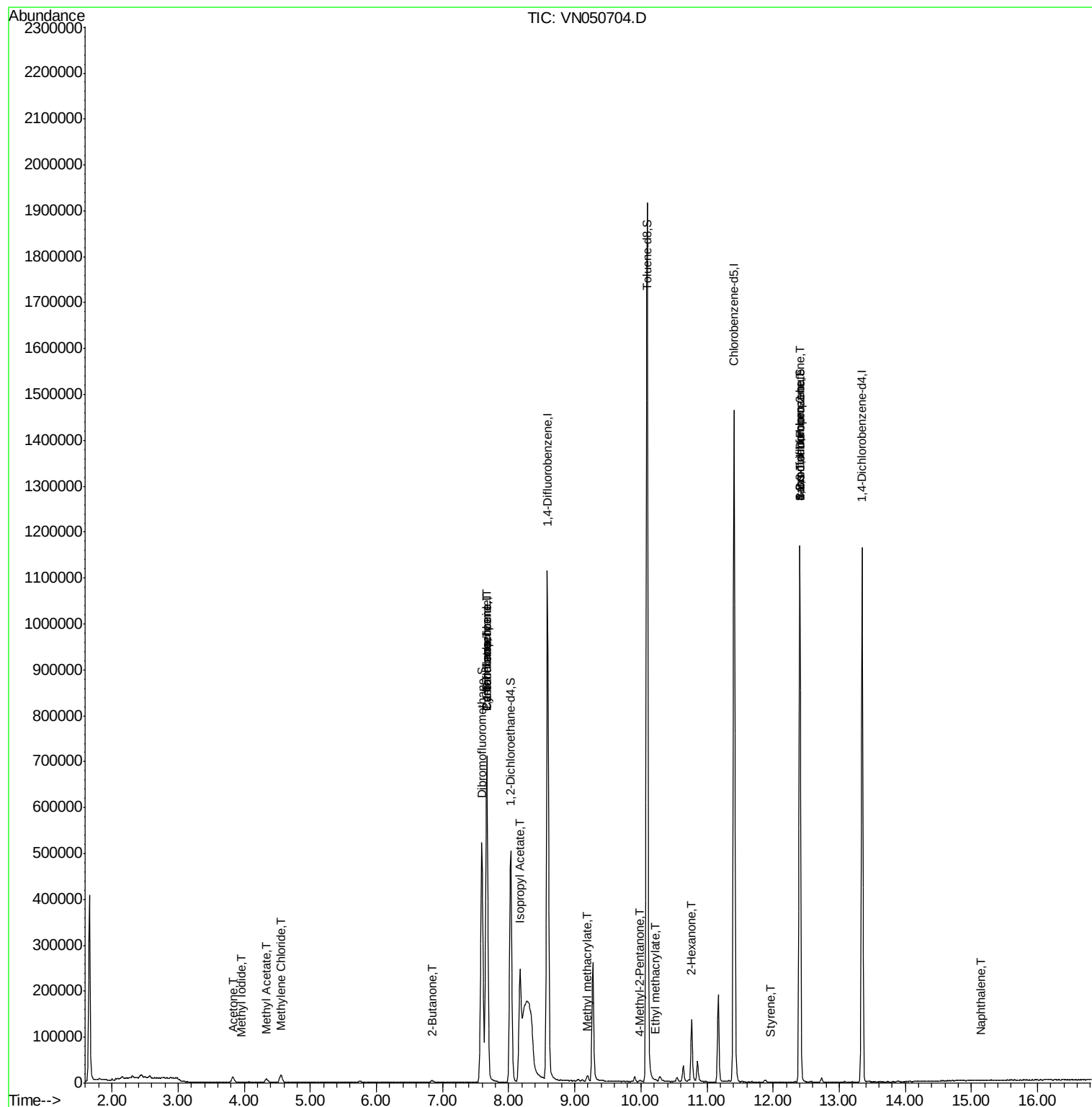
					Qvalue
3) Chloromethane	2.06	50	2363	Below Cal	95
5) Bromomethane	2.56	94	2651	Below Cal	94
6) Chloroethane	2.71	64	157	Below Cal	# 43
10) Methyl Iodide	3.96	142	529	7.037 ug/l	# 59
16) Acetone	3.82	43	20352	9.194 ug/l	100
18) Methyl Acetate	4.34	43	16062	2.016 ug/l	95
20) Methylene Chloride	4.55	84	12827	0.494 ug/l	98
25) 2-Butanone	6.85	43	2698	0.855 ug/l	98
31) Cyclohexane	7.67	56	11349	0.631 ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	43309	3.739 ug/l	# 49
38) Carbon Tetrachloride	7.67	117	54397	4.528 ug/l	# 17
43) Isopropyl Acetate	8.17	43	321031	26.908 ug/l	# 92
48) Methyl methacrylate	9.18	41	6479	1.079 ug/l	# 22
51) 4-Methyl-2-Pentanone	9.99	43	2665	0.330 ug/l	# 79
56) Ethyl methacrylate	10.23	69	2701	2.164 ug/l	# 82
59) 2-Hexanone	10.77	43	19332	3.712 ug/l	# 57
70) Styrene	11.96	104	147	0.947 ug/l	# 26
71) Bromoform	12.39	173	1132	0.204 ug/l	# 28
75) 1,1,2,2-Tetrachloroethane	12.41	83	153	Below Cal	# 1
76) 1,2,3-Trichloropropane	12.40	75	187226	34.583 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	187226	125.358 ug/l	# 13
95) Naphthalene	15.14	128	115	3.869 ug/l	# 69

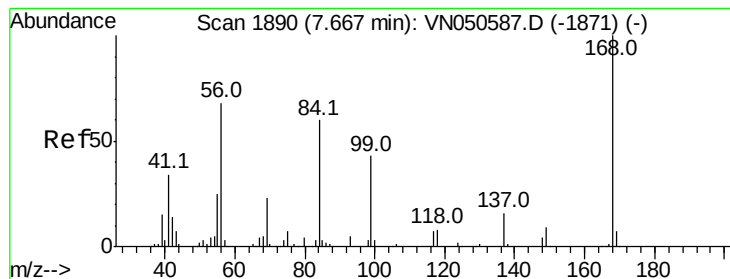
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050704.D

Acq: 16 Aug 2018 16:21

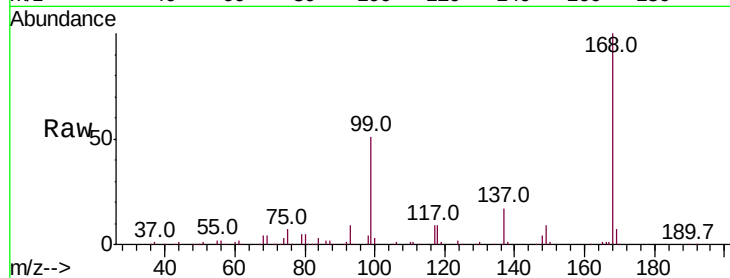
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 610607

Ion Ratio Lower Upper

168 100

99 51.3 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

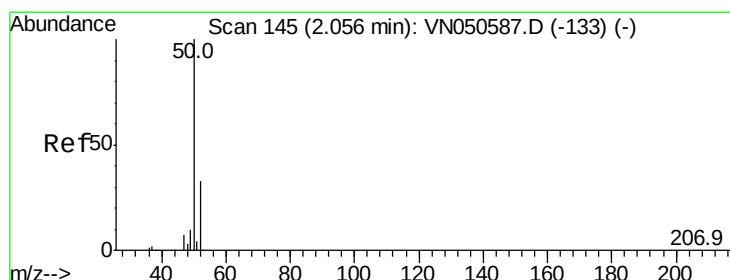
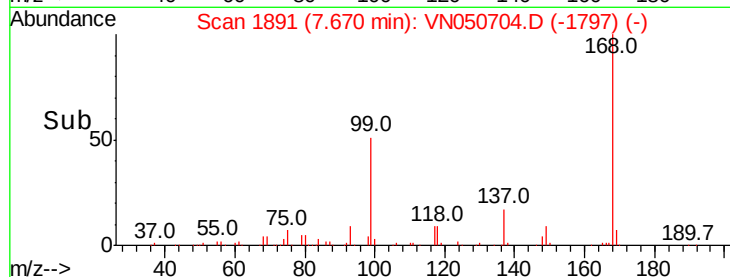
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050704.D

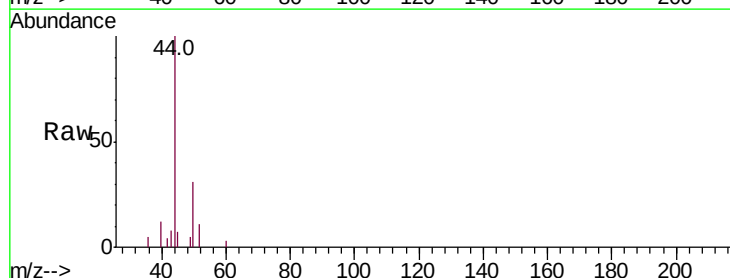
Acq: 16 Aug 2018 16:21

Tgt Ion: 50 Resp: 2363

Ion Ratio Lower Upper

50 100

52 35.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

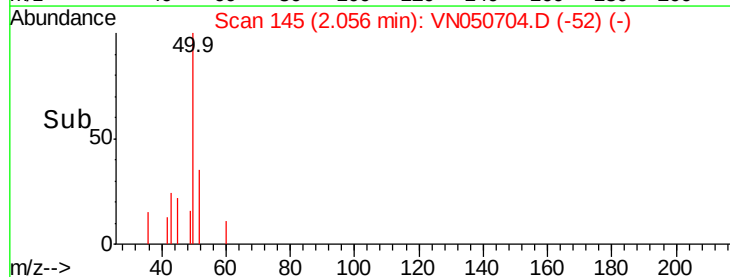
1500

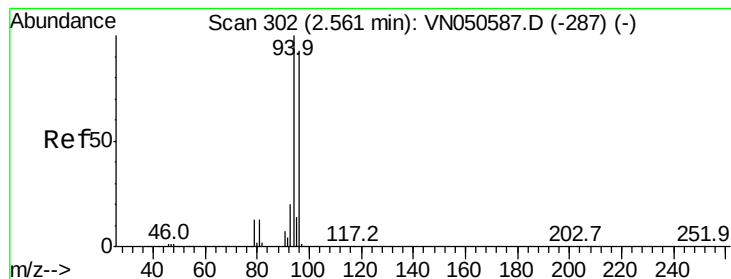
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050704.D

Acq: 16 Aug 2018 16:21

Instrument :

MSVOA_N

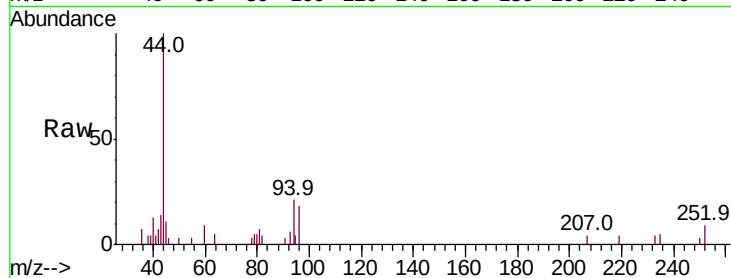
ClientSampled :

Tot Ion: 94 Resp: 2651

Ion Ratio Lower Upper

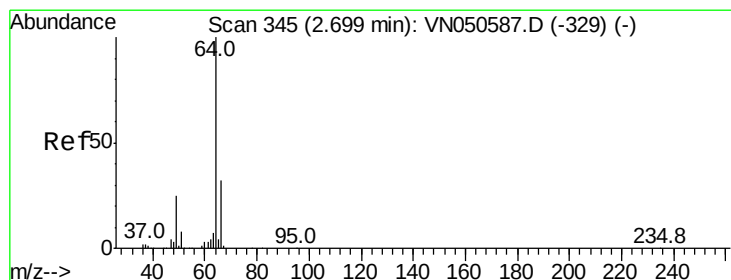
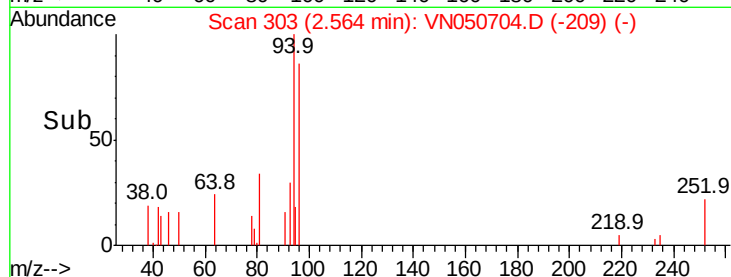
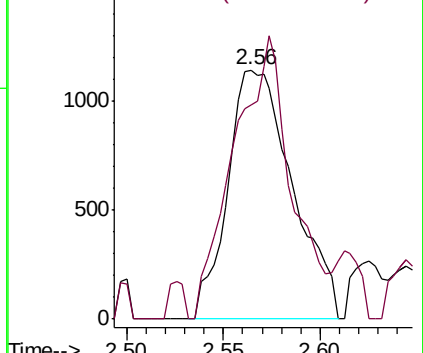
94 100

96 86.3 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: 2.71 min Scan# 349

Delta R.T. 0.01 min

Lab File: VN050704.D

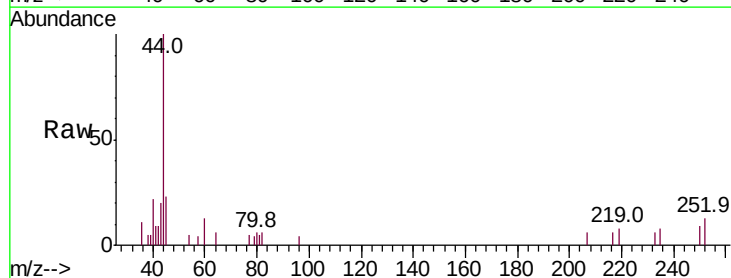
Acq: 16 Aug 2018 16:21

Tgt Ion: 64 Resp: 157

Ion Ratio Lower Upper

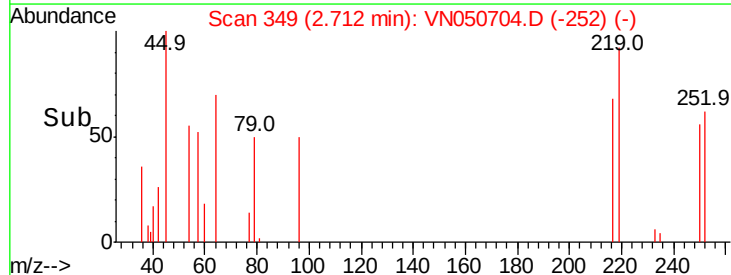
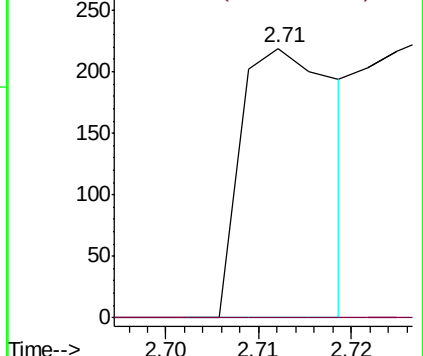
64 100

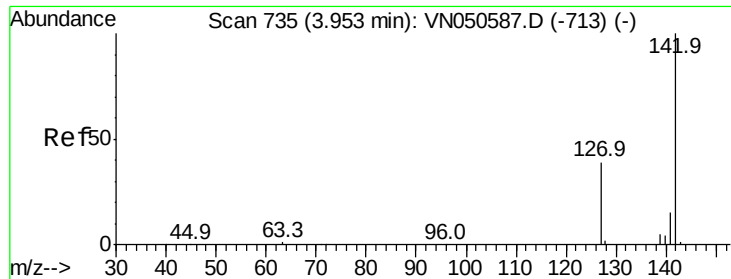
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

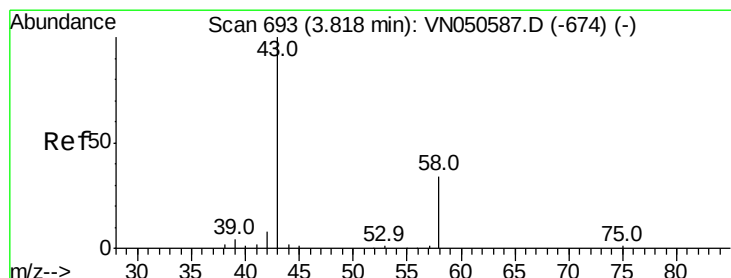
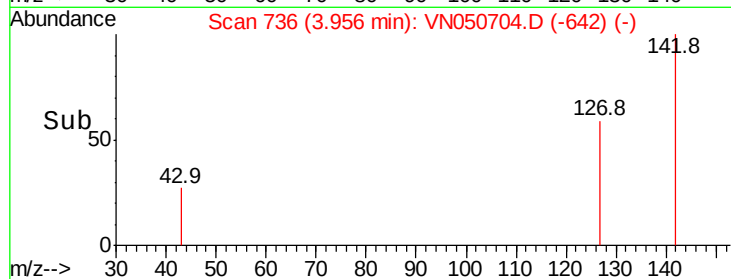
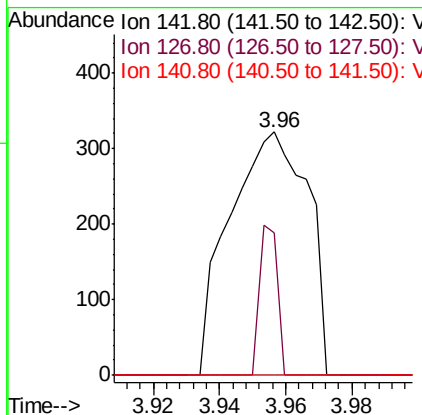
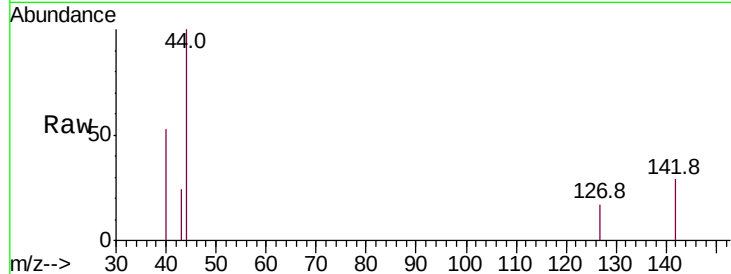




#10
Methvl Iodide
Concen: 7.037 ug/l
RT: 3.96 min Scan# 736
Delta R.T. 0.00 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

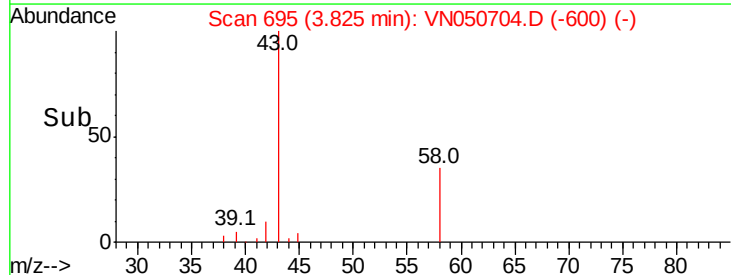
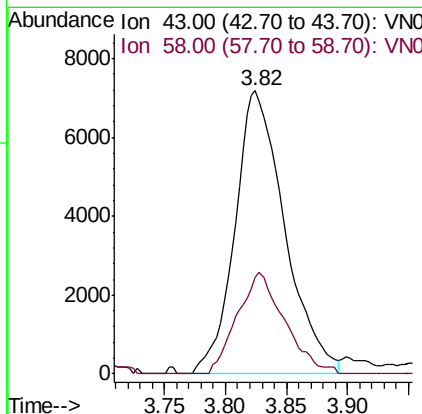
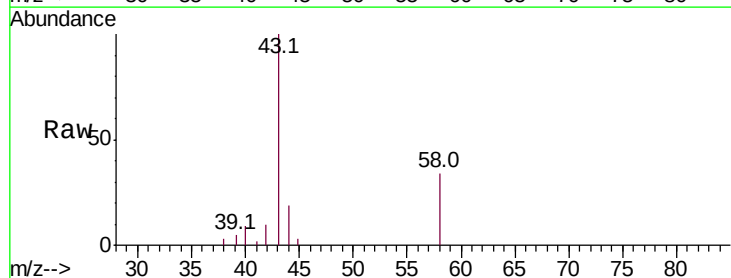
Instrument :
MSVOA_N
ClientSampled :

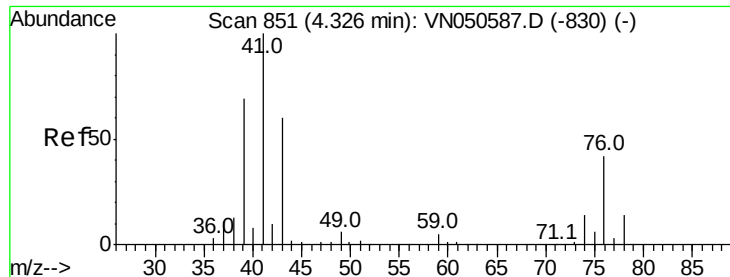
Tot Ion:142 Resp: 529
Ion Ratio Lower Upper
142 100
127 14.2 32.6 49.0#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 9.194 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

Tgt Ion: 43 Resp: 20352
Ion Ratio Lower Upper
43 100
58 33.9 27.1 40.7

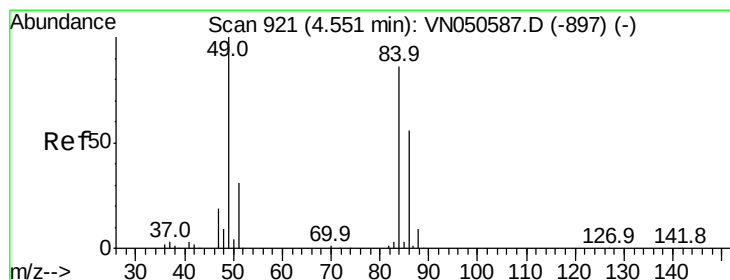
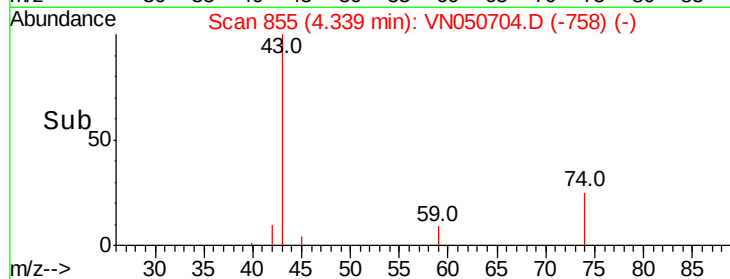
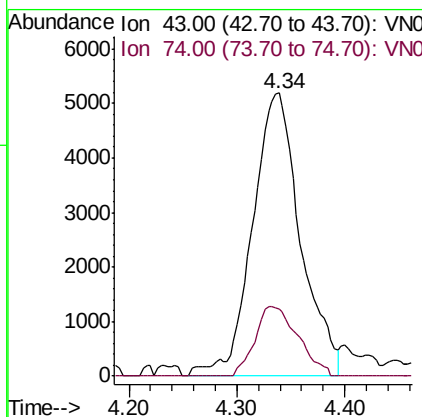
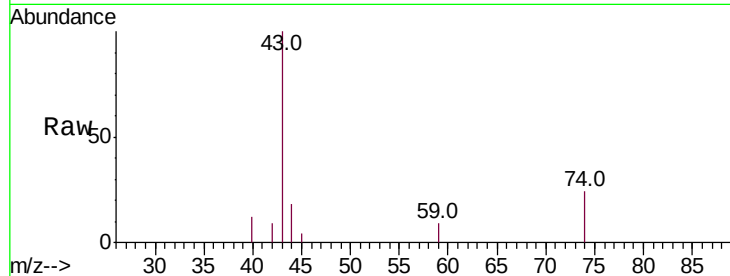




#18
Methyl Acetate
Concen: 2.016 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

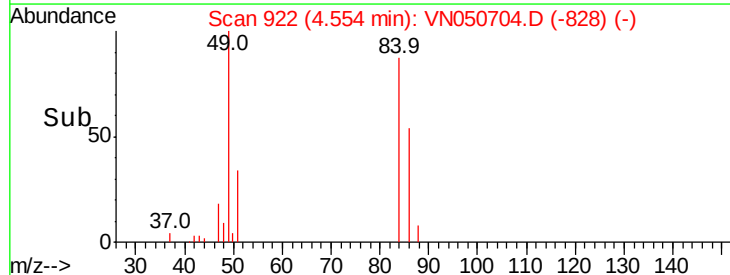
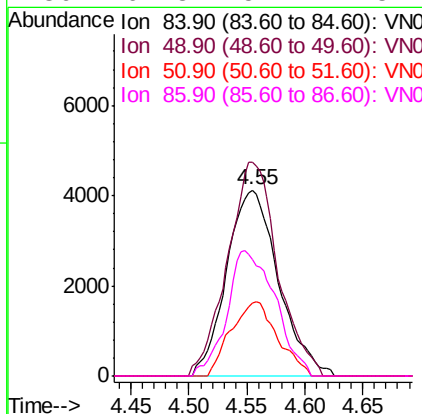
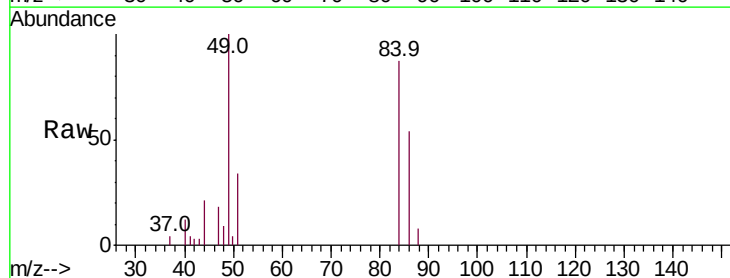
Instrument :
MSVOA_N
ClientSampled :

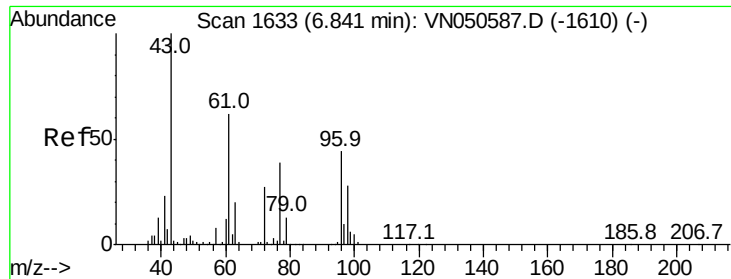
Tot Ion: 43 Resp: 16062
Ion Ratio Lower Upper
43 100
74 22.0 19.7 29.5



#20
Methylene Chloride
Concen: 0.494 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

Tgt Ion: 84 Resp: 12827
Ion Ratio Lower Upper
84 100
49 114.8 92.6 138.8
51 39.2 28.6 43.0
86 62.3 52.2 78.2

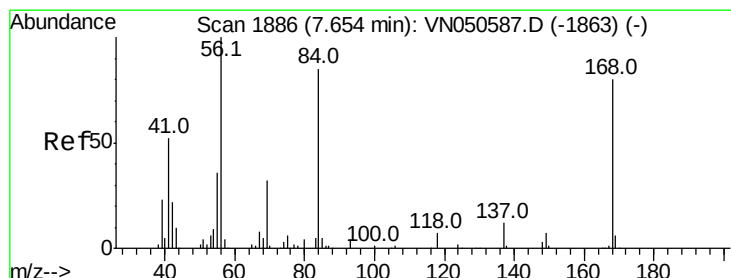
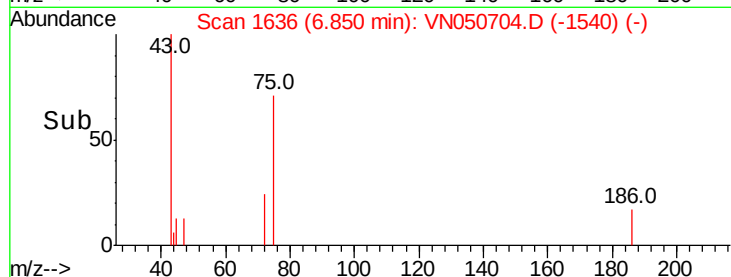
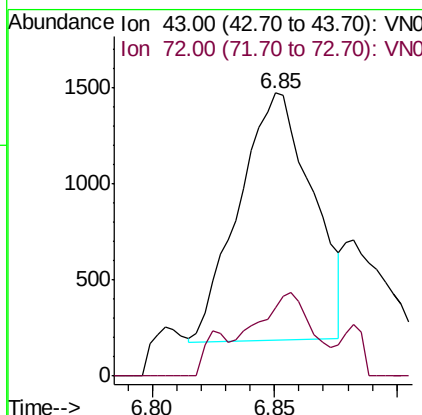
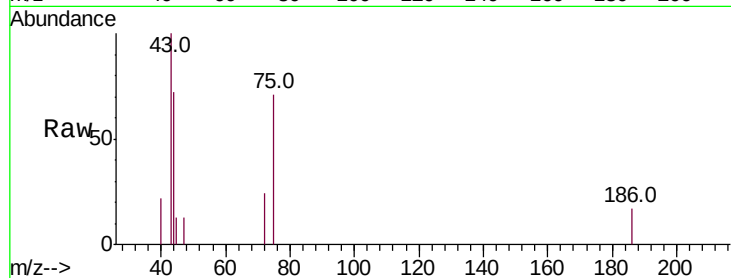




#25
2-Butanone
Concen: 0.855 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

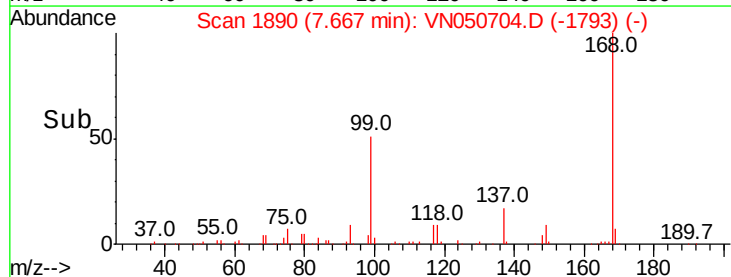
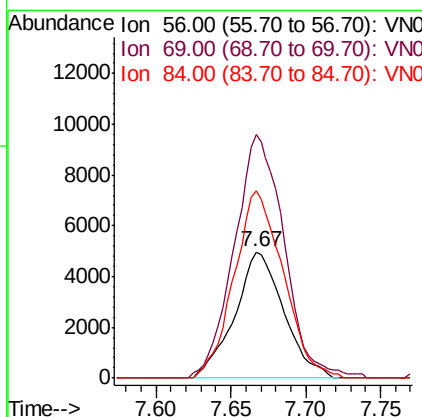
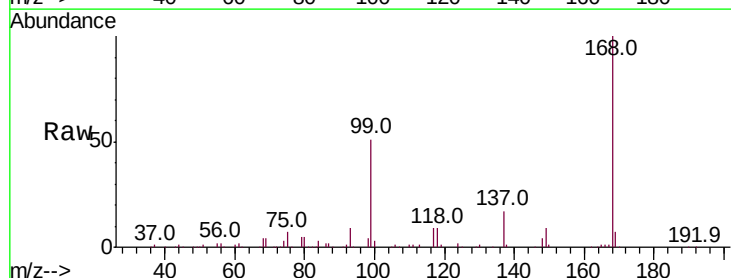
Instrument :
MSVOA_N
ClientSampled :

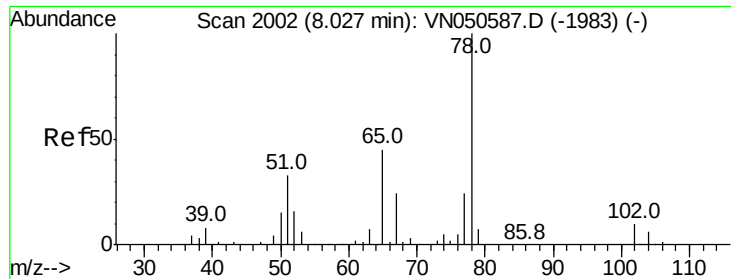
Tot Ion: 43 Resp: 2698
Ion Ratio Lower Upper
43 100
72 28.2 21.8 32.6



#31
Cyclohexane
Concen: 0.631 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

Tgt Ion: 56 Resp: 11349
Ion Ratio Lower Upper
56 100
69 193.5 25.8 38.6#
84 149.0 67.8 101.6#

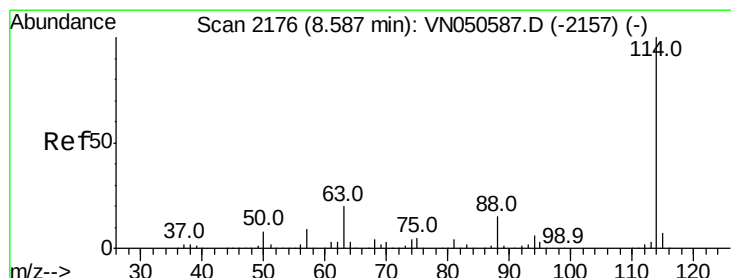
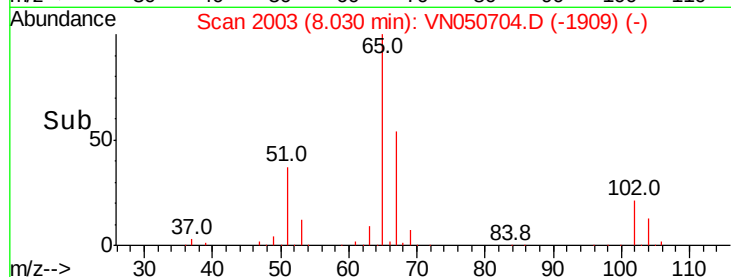
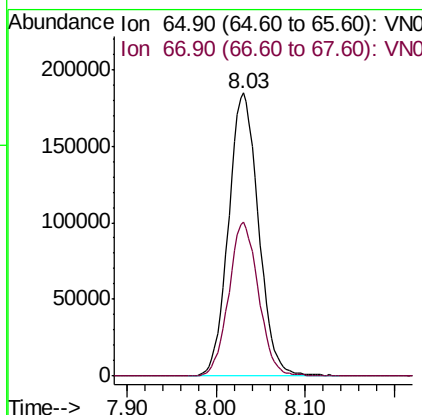
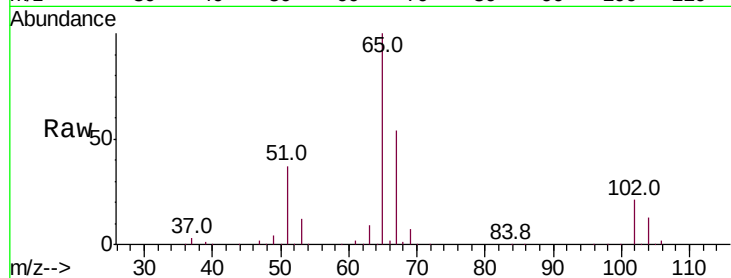




#33
 1,2-Dichloroethane-d4
 Concen: 55.996 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050704.D
 Acq: 16 Aug 2018 16:21

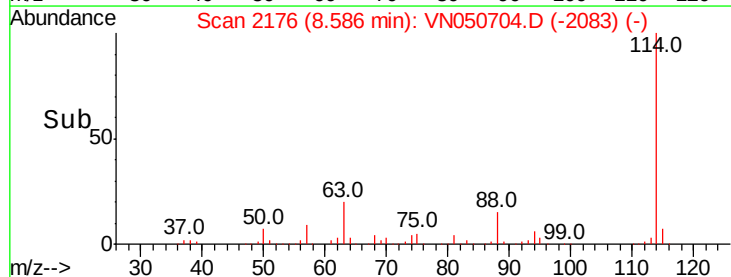
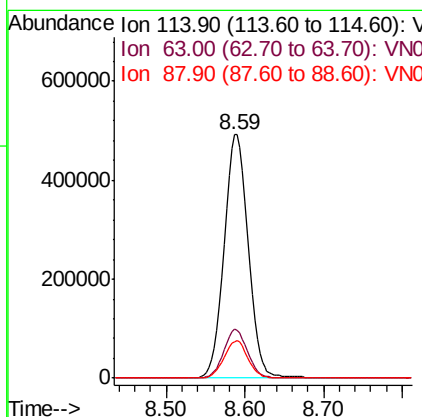
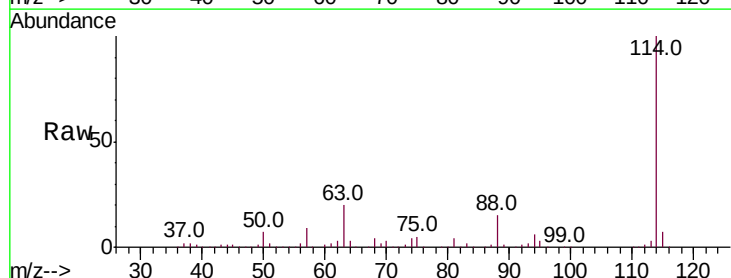
Instrument :
 MSVOA_N
 ClientSampled :

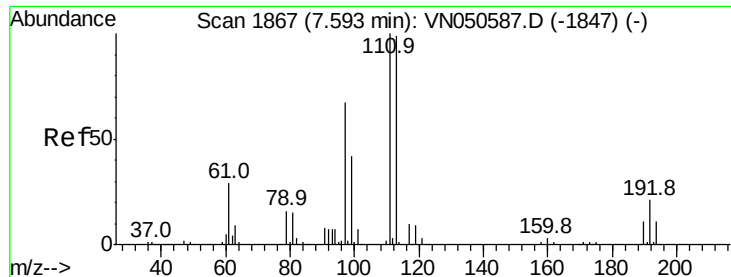
Tot Ion: 65 Resp: 430989
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050704.D
 Acq: 16 Aug 2018 16:21

Tgt Ion: 114 Resp: 1040427
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.1 0.0 30.8

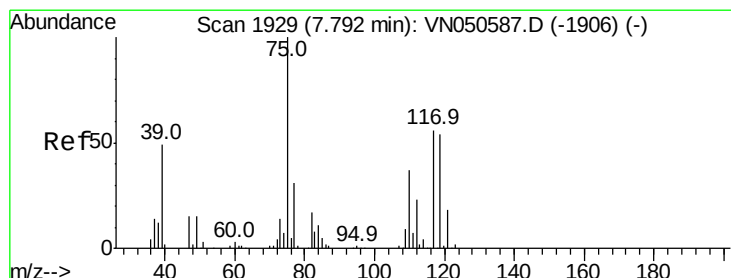
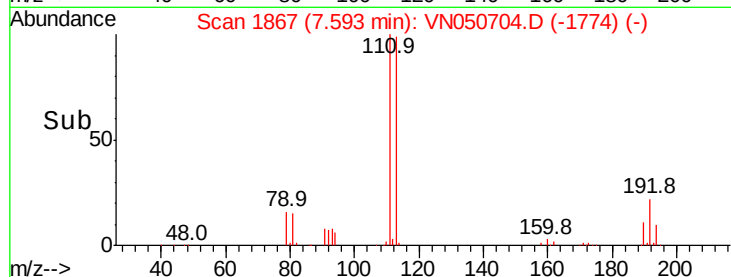
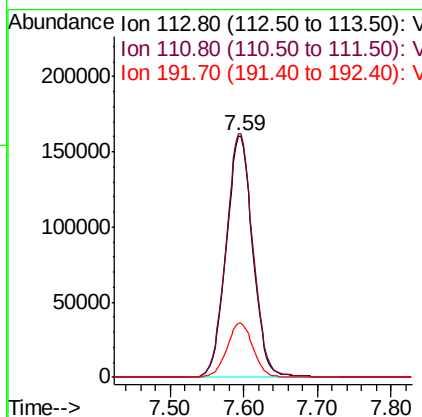
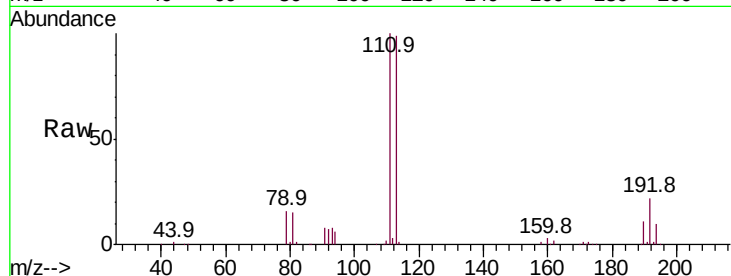




#35
 Dibromofluoromethane
 Concen: 48.182 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050704.D
 Acq: 16 Aug 2018 16:21

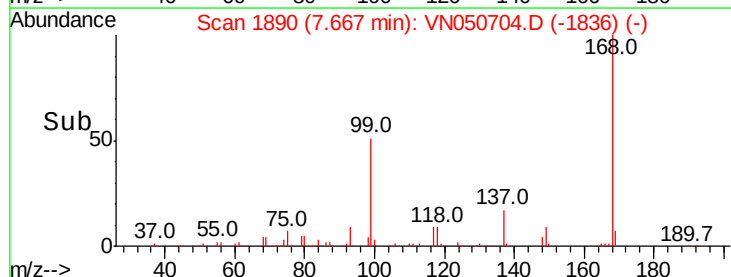
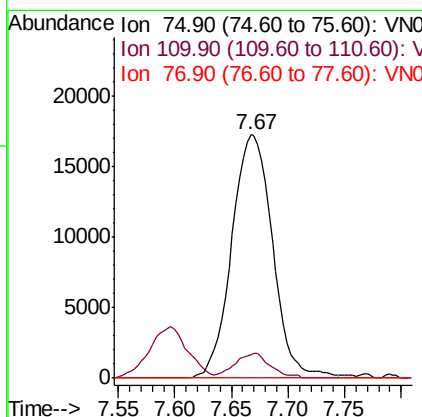
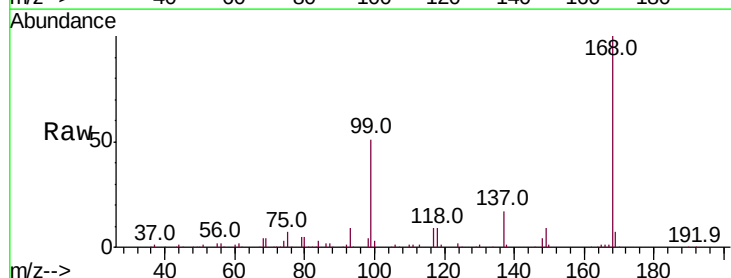
Instrument :
 MSVOA_N
 ClientSampleId :

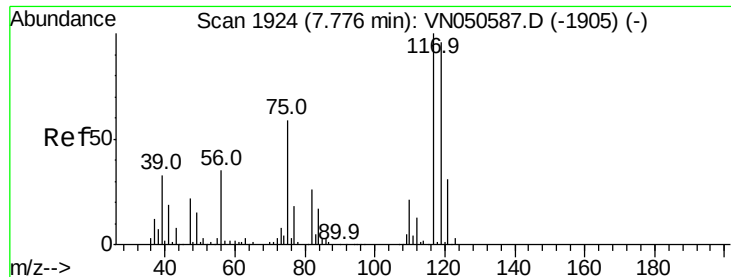
Tot Ion:113 Resp: 400221
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.0 121.6
 192 22.3 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 3.739 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050704.D
 Acq: 16 Aug 2018 16:21

Tgt Ion: 75 Resp: 43309
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.3 54.9#
 77 0.0 25.0 37.4#

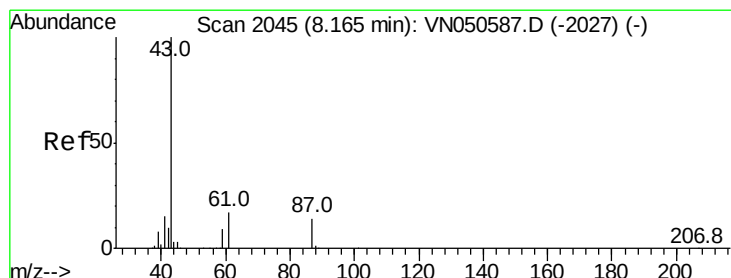
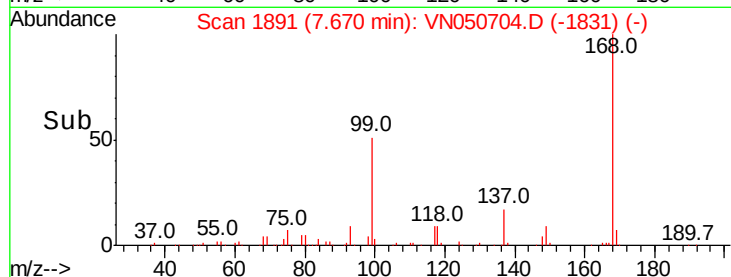
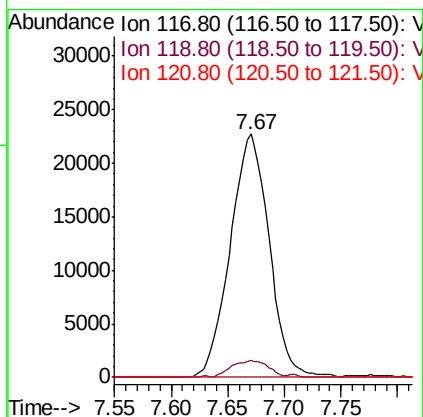
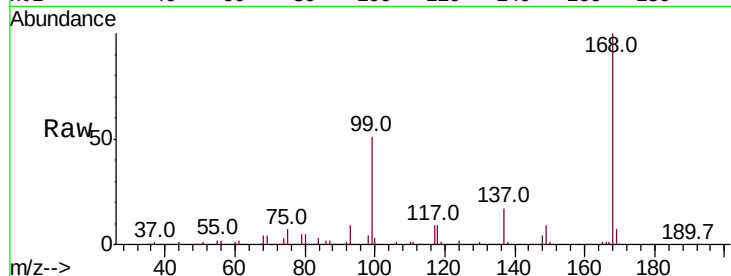




#38
Carbon Tetrachloride
Concen: 4.528 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

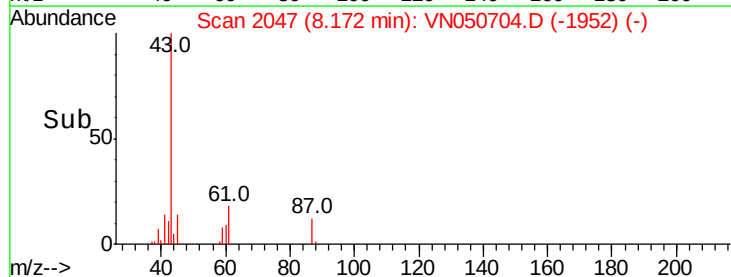
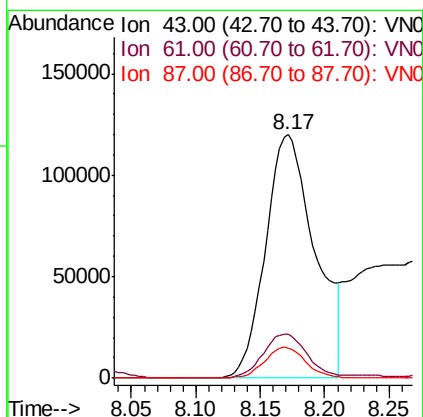
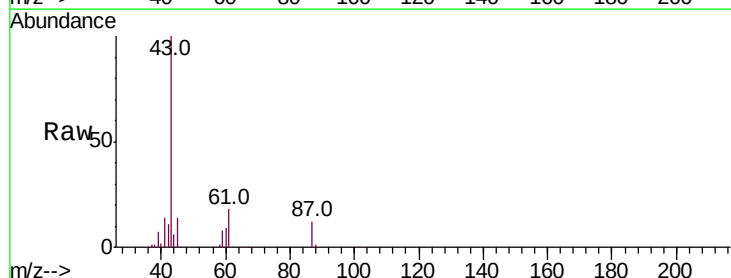
Instrument :
MSVOA_N
ClientSampleId :

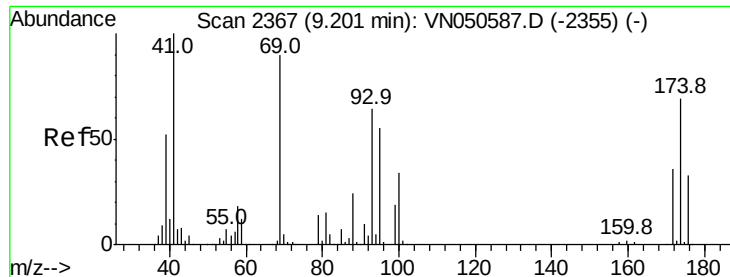
Tot Ion:117 Resp: 54397
Ion Ratio Lower Upper
117 100
119 6.9 76.6 115.0#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 26.908 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.01 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

Tgt Ion: 43 Resp: 321031
Ion Ratio Lower Upper
43 100
61 16.3 16.2 24.2
87 10.7 10.9 16.3#

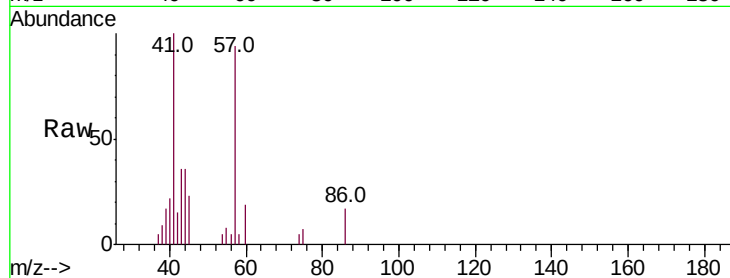




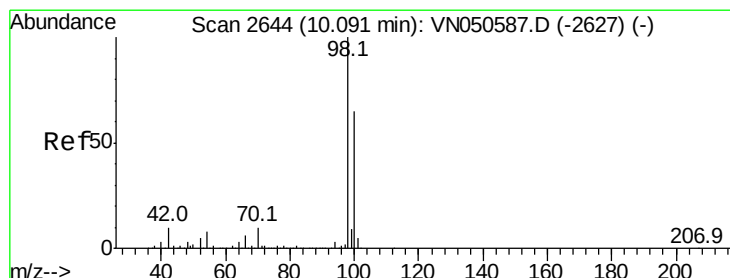
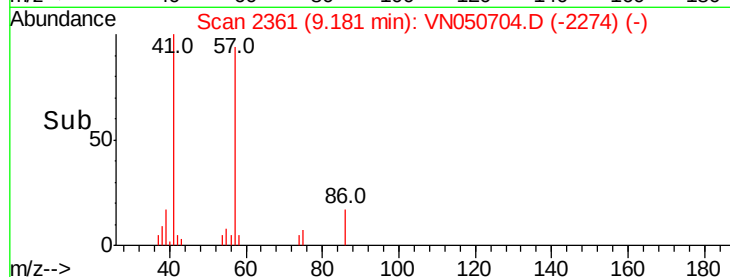
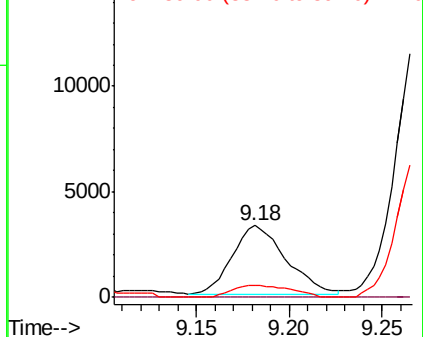
#48
Methvl methacrylate
Concen: 1.079 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 6479
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 19.7 43.0 64.6#

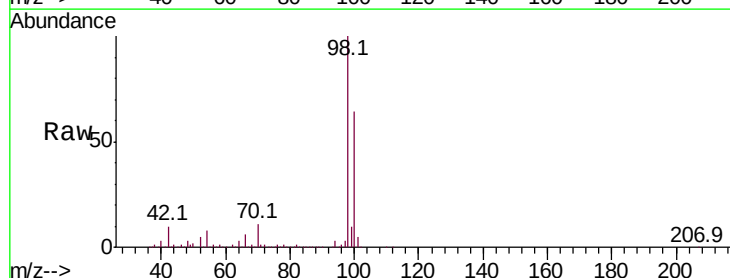


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

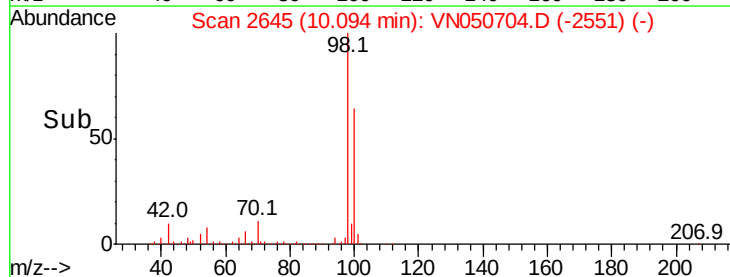
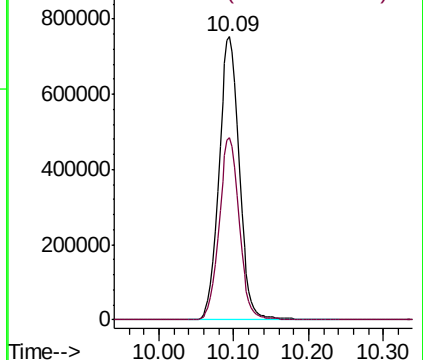


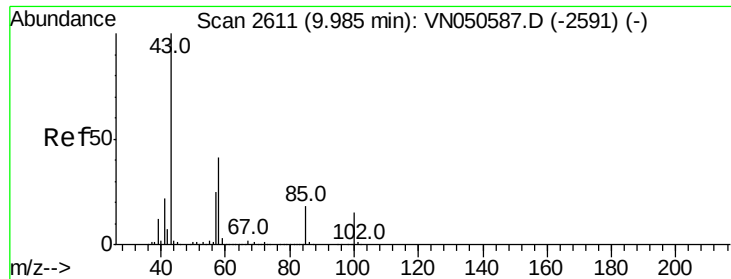
#50
Toluene-d8
Concen: 45.116 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

Tgt Ion: 98 Resp: 1410399
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC

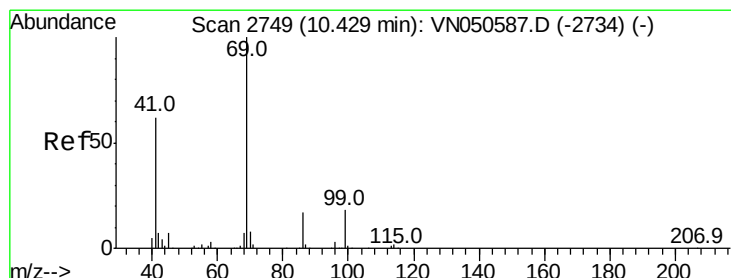
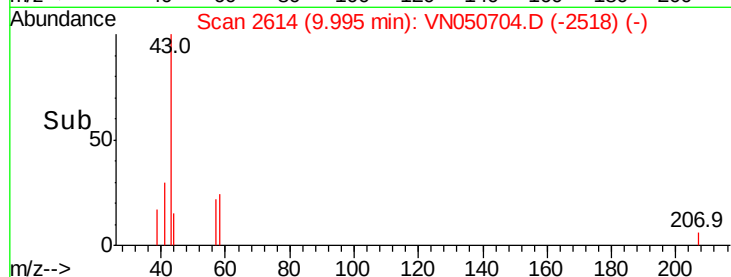
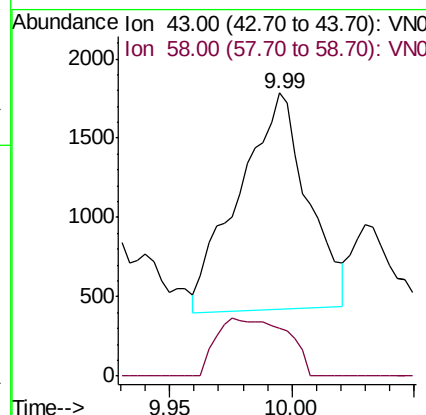
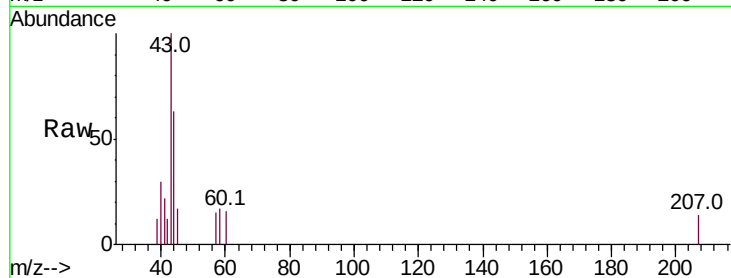




#51
4-Methyl-2-Pentanone
Concen: 0.330 ug/l
RT: 9.99 min Scan# 2614
Delta R.T. 0.01 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

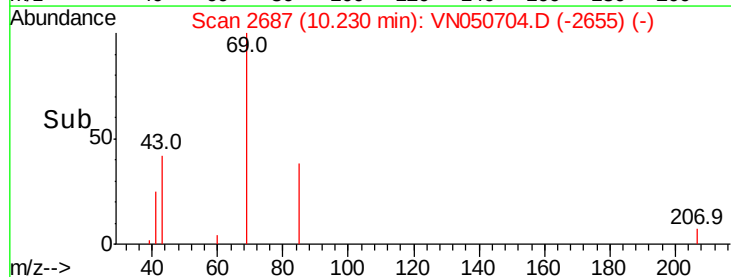
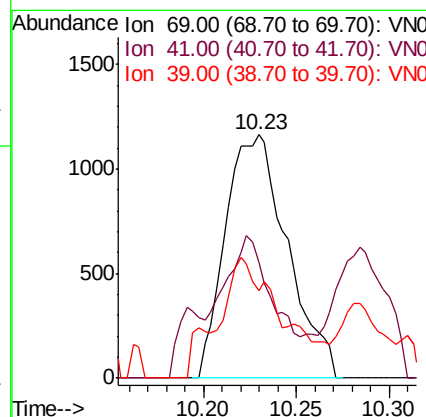
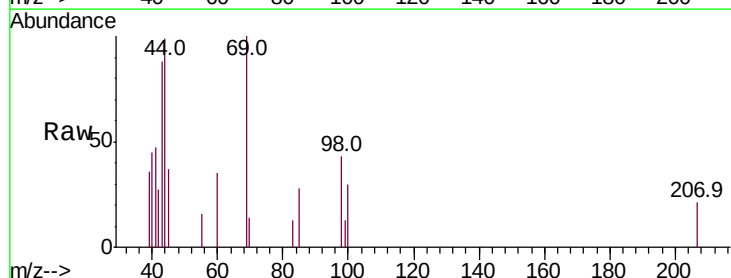
Instrument :
MSVOA_N
ClientSampleId :

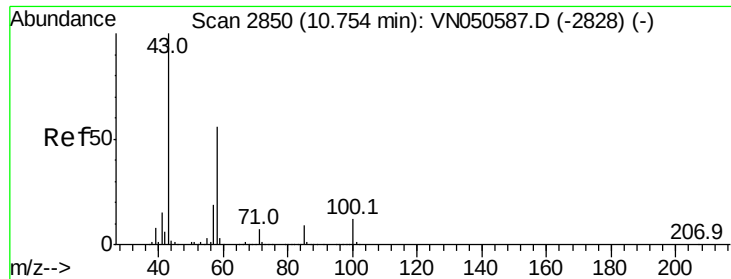
Tot Ion: 43 Resp: 2665
Ion Ratio Lower Upper
43 100
58 27.5 32.5 48.7#



#56
Ethyl methacrylate
Concen: 2.164 ug/l
RT: 10.23 min Scan# 2687
Delta R.T. -0.20 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

Tgt Ion: 69 Resp: 2701
Ion Ratio Lower Upper
69 100
41 48.6 49.7 74.5#
39 20.5 24.2 36.2#





#59

2-Hexanone

Concen: 3.712 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050704.D

Acq: 16 Aug 2018 16:21

Instrument :

MSVOA_N

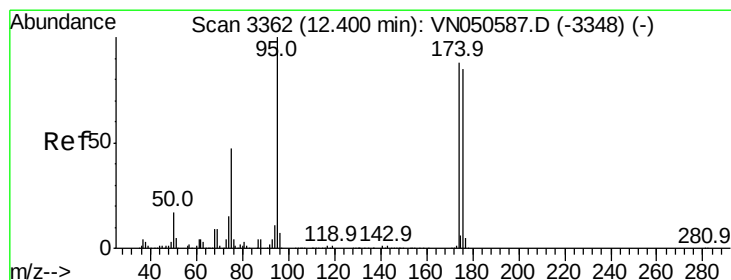
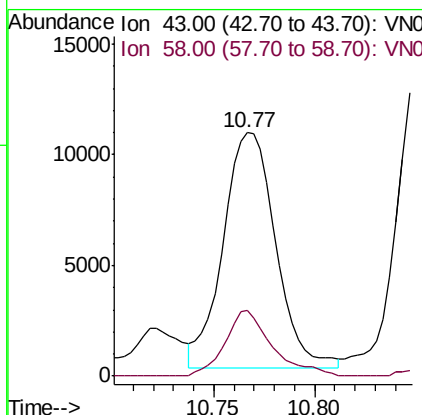
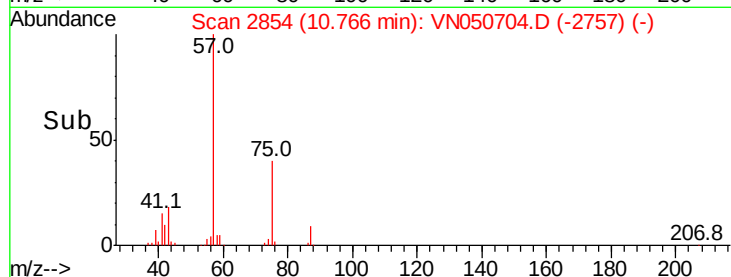
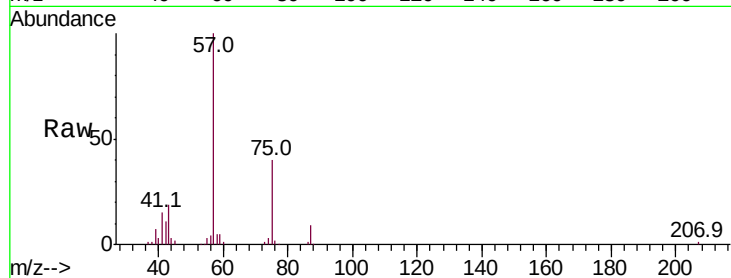
ClientSampled :

Tot Ion: 43 Resp: 19332

Ion Ratio Lower Upper

43 100

58 25.0 28.0 84.0#



#62

4-Bromofluorobenzene

Concen: 38.220 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050704.D

Acq: 16 Aug 2018 16:21

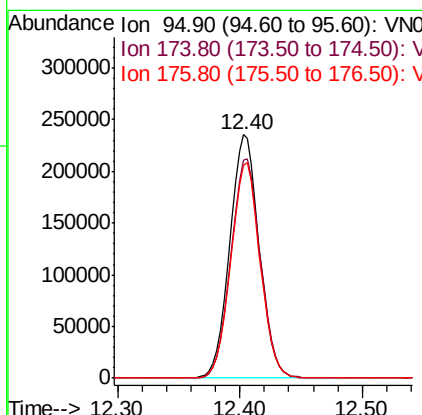
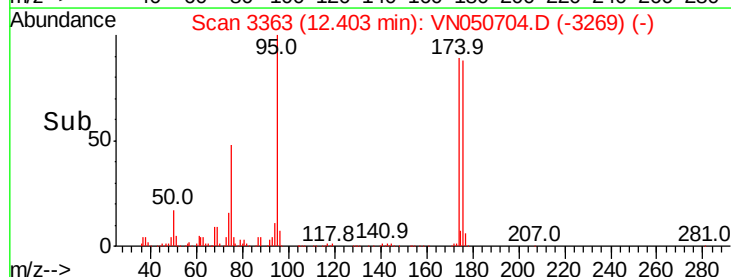
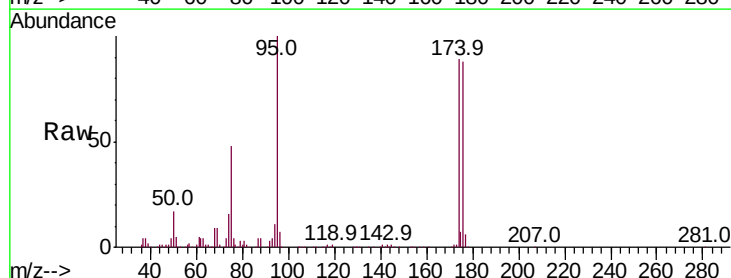
Tgt Ion: 95 Resp: 394720

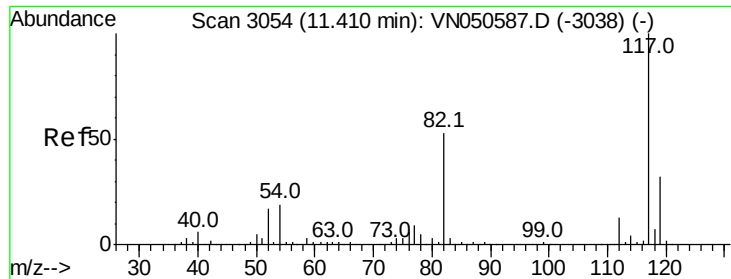
Ion Ratio Lower Upper

95 100

174 90.8 0.0 177.8

176 87.9 0.0 175.0

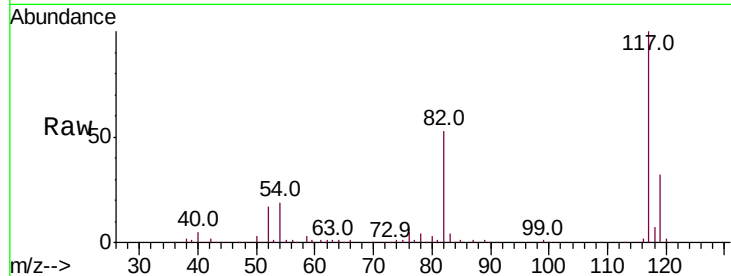




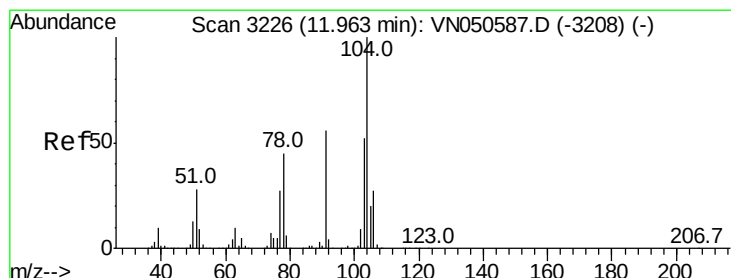
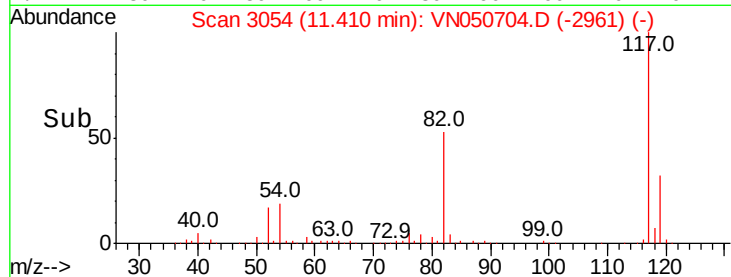
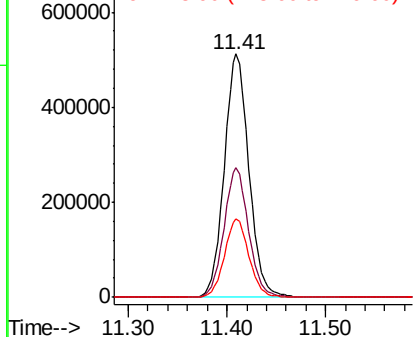
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 896098
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 32.2 25.8 38.8

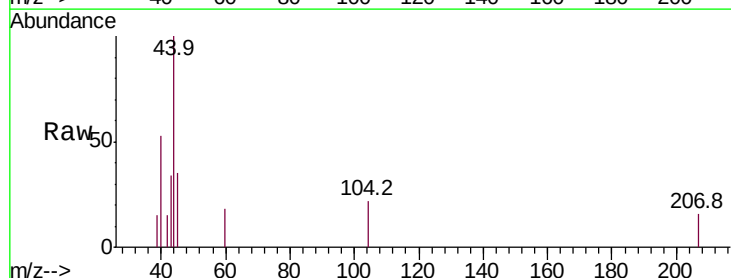


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

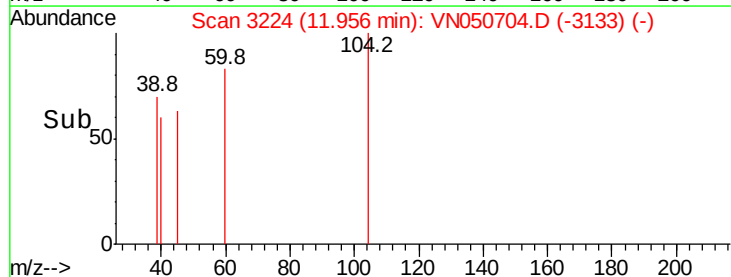
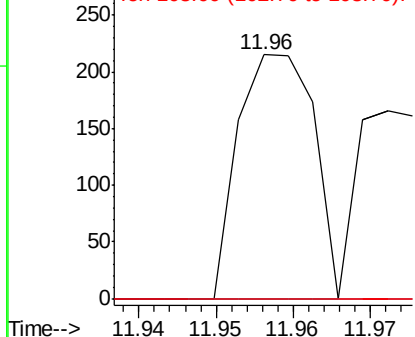


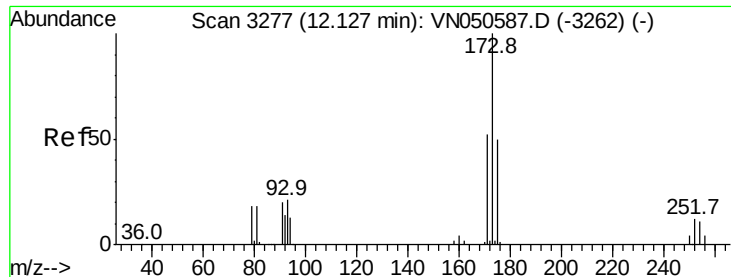
#70
Styrene
Concen: 0.947 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VN050704.D
Acq: 16 Aug 2018 16:21

Tgt Ion:104 Resp: 147
Ion Ratio Lower Upper
104 100
78 0.0 39.1 58.7#
103 0.0 44.9 67.3#



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





#71

Bromoform

Concen: 0.204 ug/l

RT: 12.39 min Scan# 3360

Delta R.T. 0.27 min

Lab File: VN050704.D

Acq: 16 Aug 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

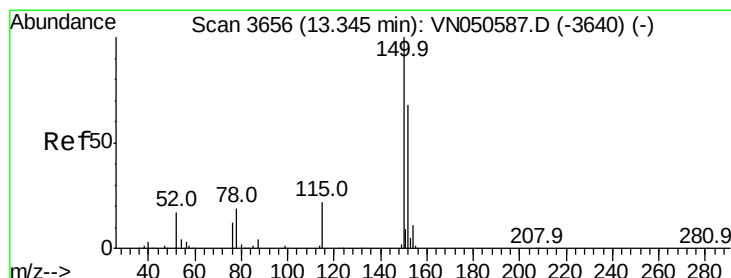
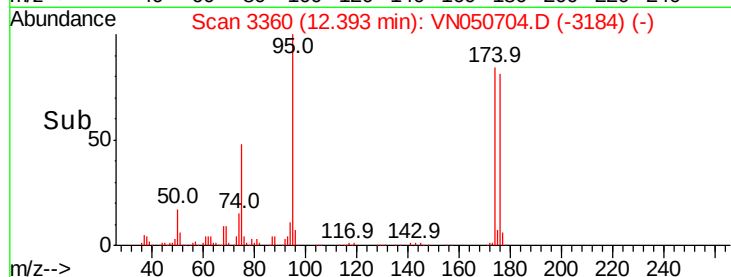
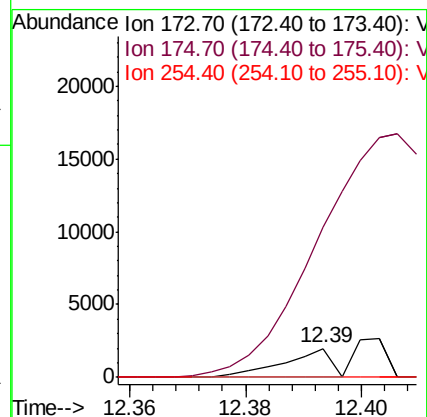
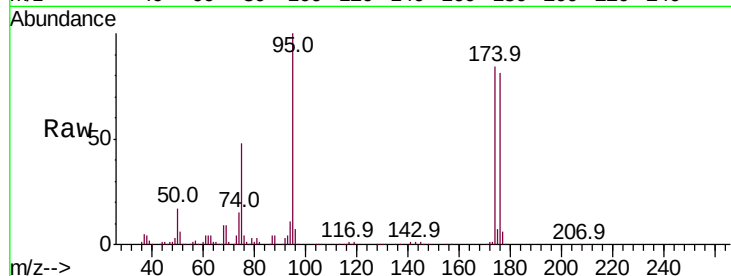
Tot Ion:173 Resp: 1132

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050704.D

Acq: 16 Aug 2018 16:21

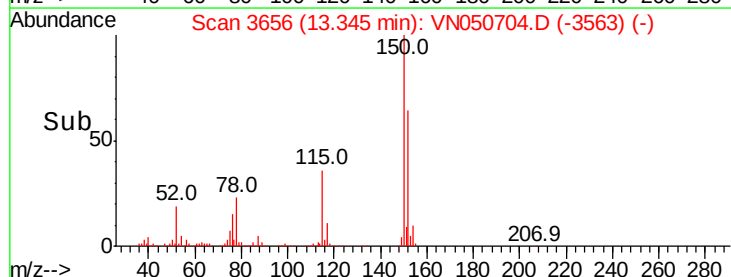
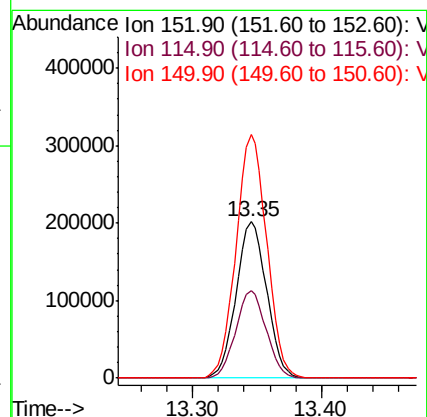
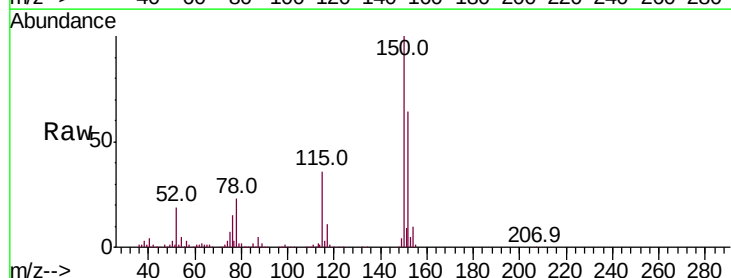
Tgt Ion:152 Resp: 332042

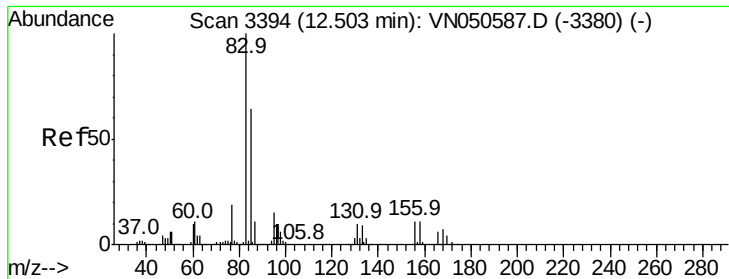
Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.2

150 156.1 0.0 347.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3365

Delta R.T. -0.09 min

Lab File: VN050704.D

Acq: 16 Aug 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

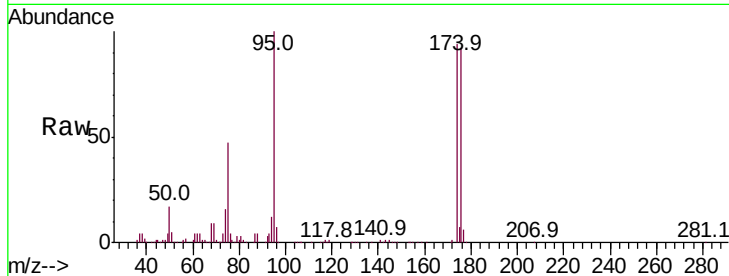
Tot Ion: 83 Resp: 153

Ion Ratio Lower Upper

83 100

131 255.6 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

400

300

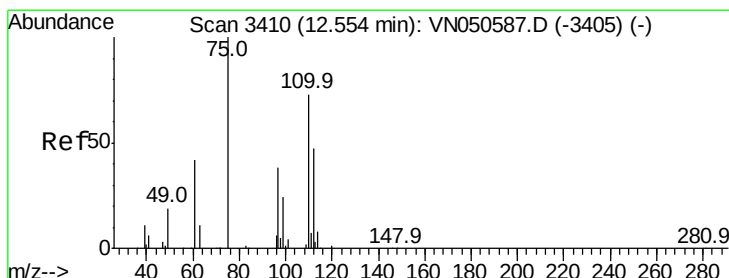
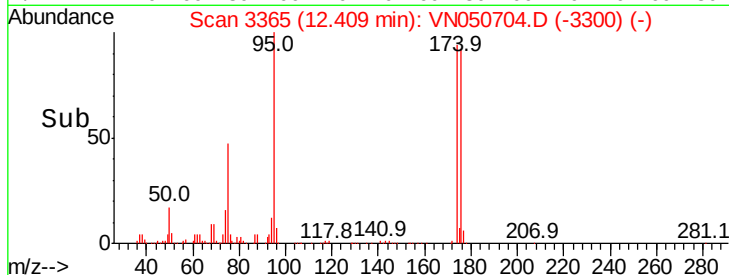
200

100

0

12.40 12.41 12.42

Time-->



#76

1,2,3-Trichloropropane

Concen: 34.583 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050704.D

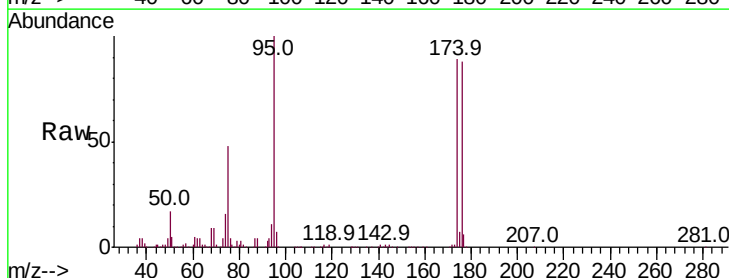
Acq: 16 Aug 2018 16:21

Tgt Ion: 75 Resp: 187226

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

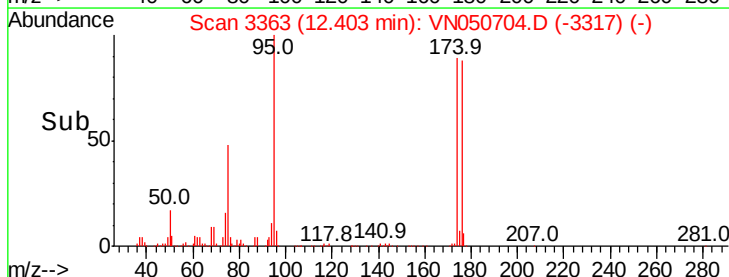
40000

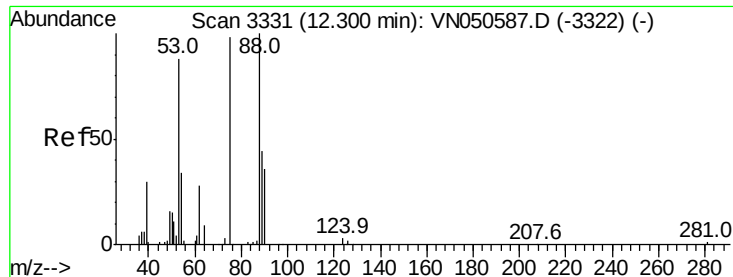
20000

0

12.35 12.40 12.45

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 125.358 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050704.D

Acq: 16 Aug 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

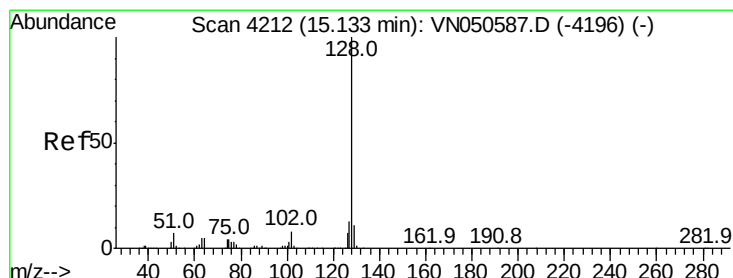
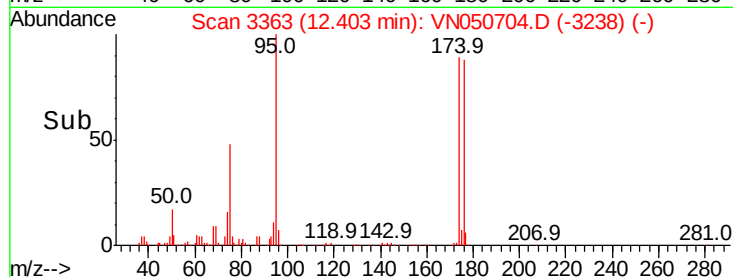
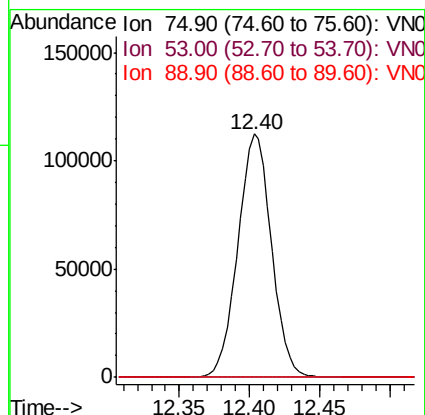
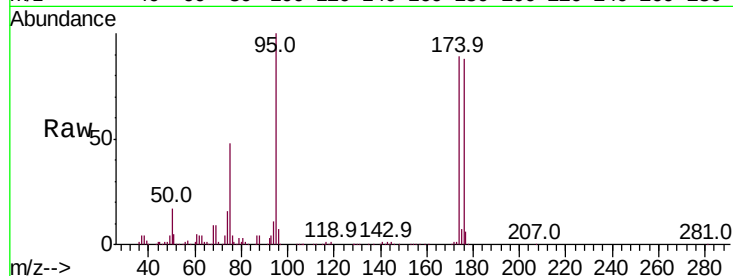
Tot Ion: 75 Resp: 187226

Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

89 0.0 36.3 54.5#



#95

Naphthalene

Concen: 3.869 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050704.D

Acq: 16 Aug 2018 16:21

Tgt Ion: 128 Resp: 115

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.5 12.7#

