

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050342.D
 Acq On : 4 Aug 2018 4:14
 Operator : MD\SY
 Sample : J4313-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-5

Quant Time: Aug 04 05:37:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	690129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1142853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	977176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	380931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	481048	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	430186	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
50) Toluene-d8	10.09	98	1561908	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
62) 4-Bromofluorobenzene	12.40	95	441946	39.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.24%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	4806	0.45	ug/l	99
5) Bromomethane	2.57	94	4083	Below	Cal	84
8) Diethyl Ether	3.41	74	1335	0.27	ug/l	98
11) Tert butyl alcohol	4.81	59	691	0.98	ug/l #	72
13) Acrolein	3.62	56	764	1.34	ug/l	88
14) Allyl chloride	4.55	41	14218	1.15	ug/l #	24
16) Acetone	3.82	43	38738	12.96	ug/l	98
18) Methyl Acetate	4.33	43	16601	0.26	ug/l	98
20) Methylene Chloride	4.55	84	416946	48.81	ug/l	99
25) 2-Butanone	6.85	43	12717	3.46	ug/l #	86
29) Tetrahydrofuran	7.23	42	2189	0.92	ug/l #	44
30) Chloroform	7.37	83	16737	1.03	ug/l	100
31) Cyclohexane	7.67	56	12948	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48233	3.75	ug/l #	48
37) Ethyl Acetate	6.85	43	12717	1.42	ug/l #	67
38) Carbon Tetrachloride	7.67	117	62367	4.56	ug/l #	17
41) Methacrylonitrile	7.21	41	631	2.88	ug/l #	22
43) Isopropyl Acetate	8.17	43	300748	17.03	ug/l	93
47) Bromodichloromethane	9.40	83	4169	0.31	ug/l	98
48) Methyl methacrylate	9.18	41	9158	1.18	ug/l #	23
49) 1,4-Dioxane	9.20	88	101	0.96	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	3189	0.36	ug/l #	82
56) Ethyl methacrylate	10.64	69	762	2.09	ug/l #	1
59) 2-Hexanone	10.76	43	17135	7.76	ug/l	66
70) Styrene	11.97	104	32	0.92	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	12.40	83	538	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	212054	29.95	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	212054	95.01	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	5237	0.22	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.53	75	71	Below	Cal #	1
93) 1,2,4-Trichlorobenzene	14.90	180	170	3.11	ug/l #	88
95) Naphthalene	15.13	128	63475	7.74	ug/l	99

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QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

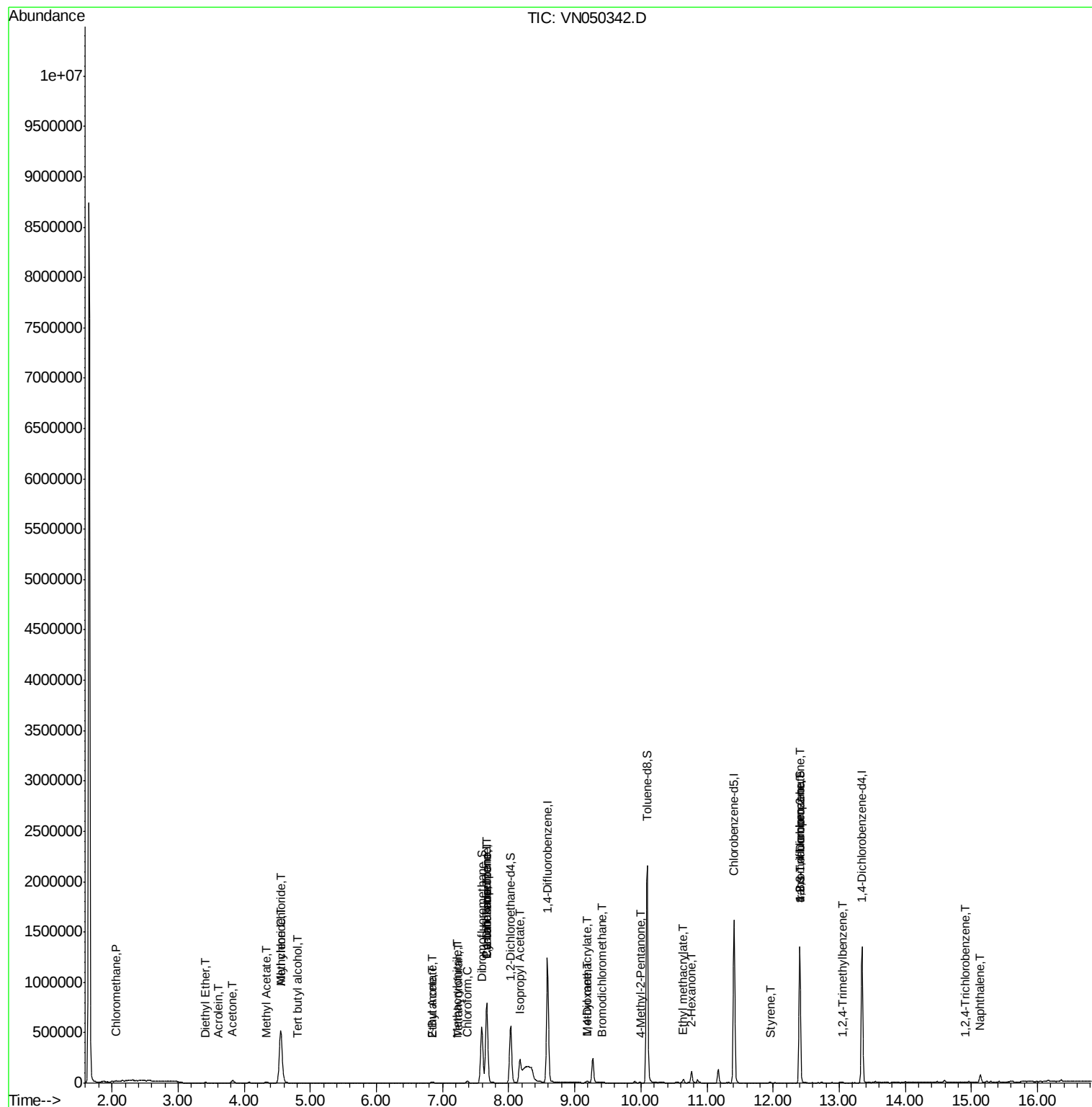
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

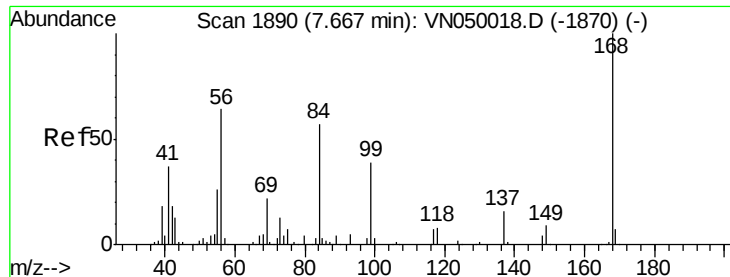
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080318\
Data File : VN050342.D
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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: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

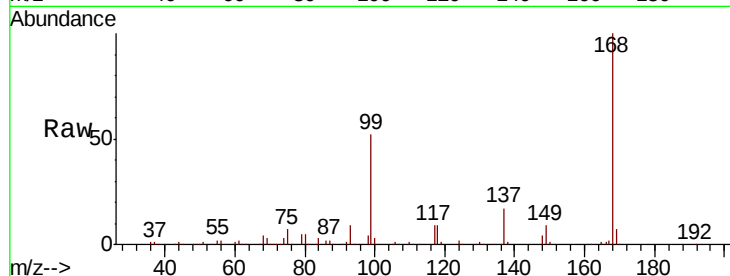
C-5

Tot Ion:168 Resp: 690129

Ion Ratio Lower Upper

168 100

99 52.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

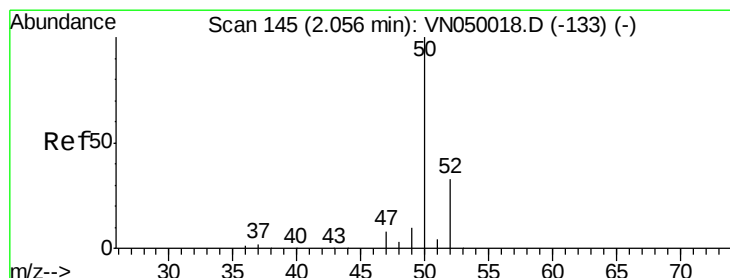
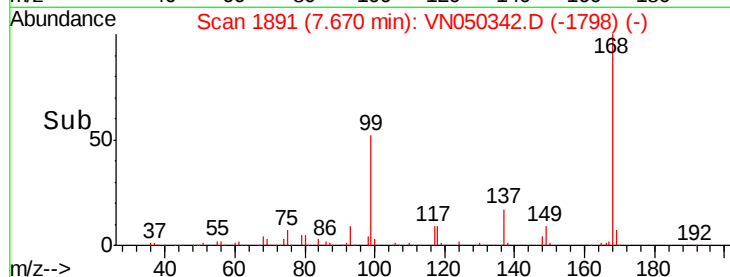
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.45 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050342.D

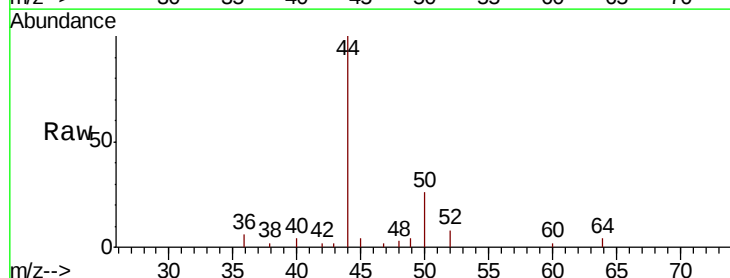
Acq: 4 Aug 2018 4:14

Tgt Ion: 50 Resp: 4806

Ion Ratio Lower Upper

50 100

52 31.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

4000

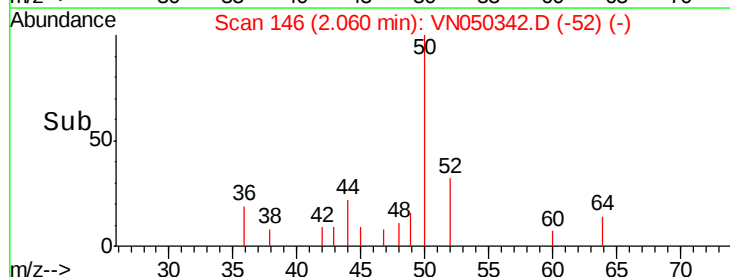
3000

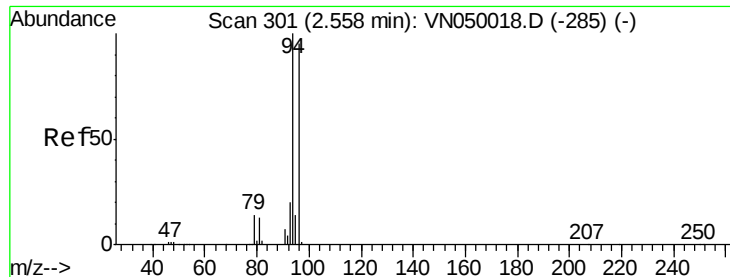
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

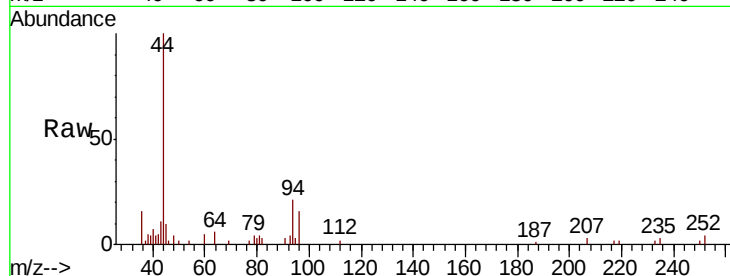
C-5

Tot Ion: 94 Resp: 4083

Ion Ratio Lower Upper

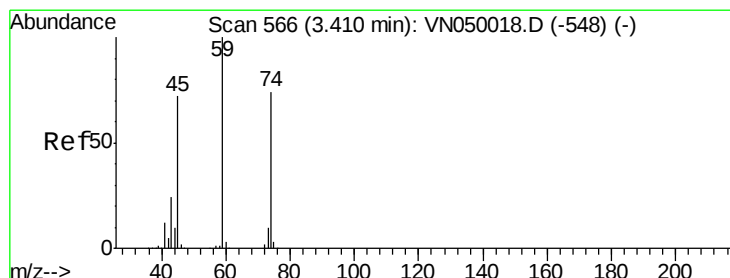
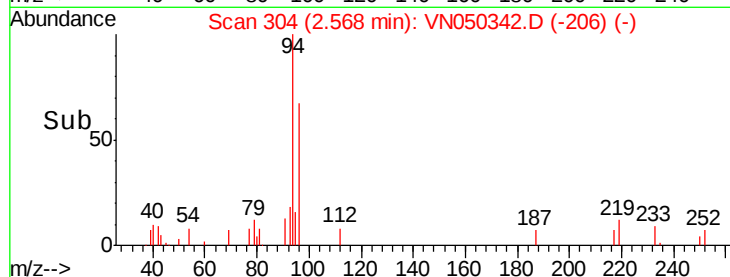
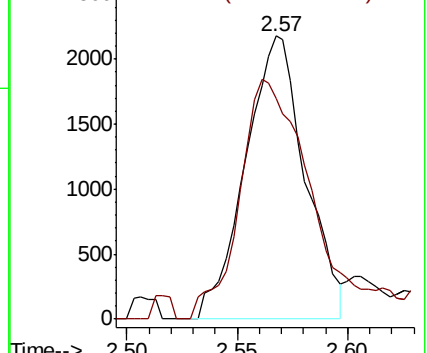
94 100

96 77.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 0.27 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN050342.D

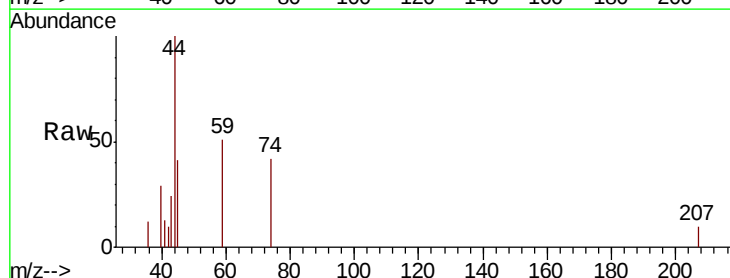
Acq: 4 Aug 2018 4:14

Tgt Ion: 74 Resp: 1335

Ion Ratio Lower Upper

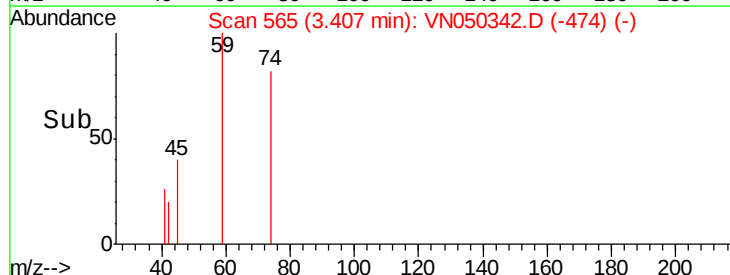
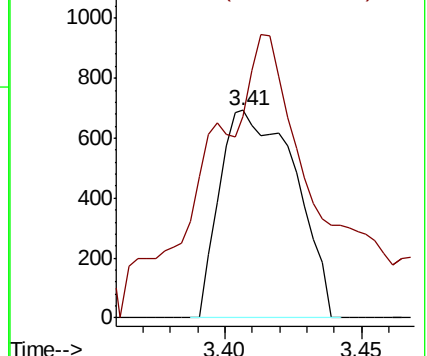
74 100

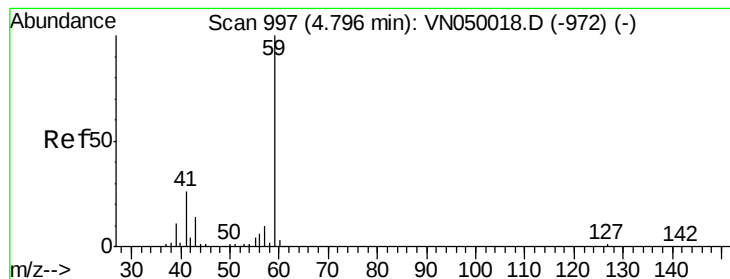
45 93.3 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#11

Tert butyl alcohol

Concen: 0.98 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

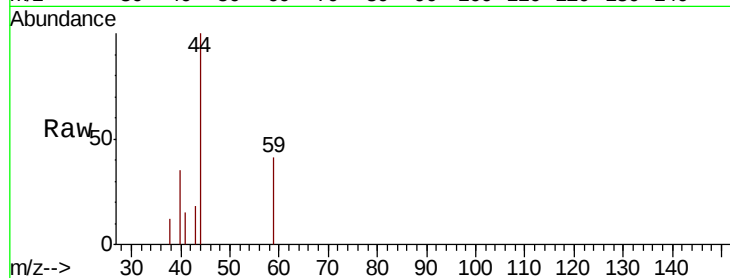
C-5

Tot Ion: 59 Resp: 691

Ion Ratio Lower Upper

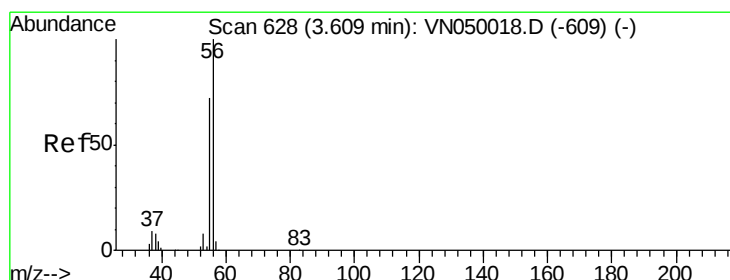
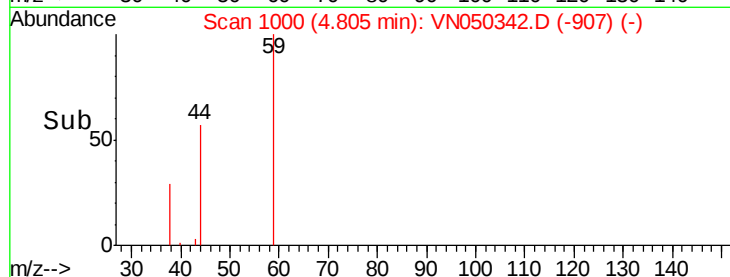
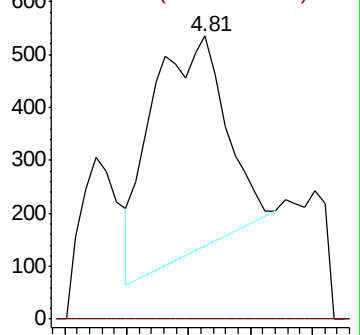
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 1.34 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN050342.D

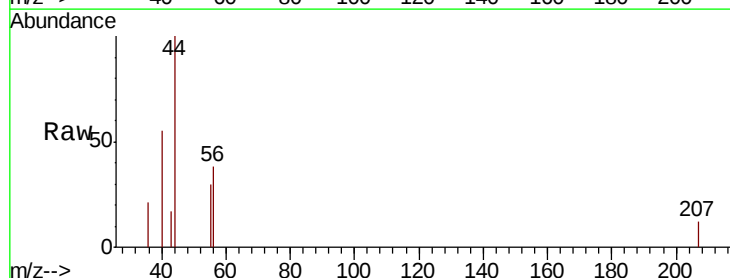
Acq: 4 Aug 2018 4:14

Tgt Ion: 56 Resp: 764

Ion Ratio Lower Upper

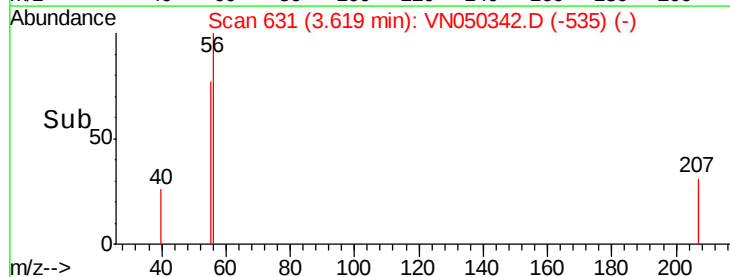
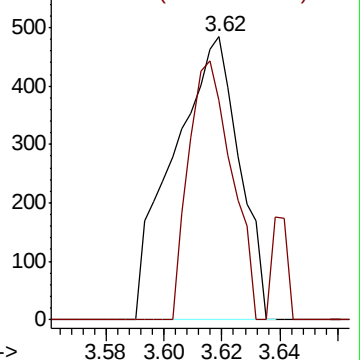
56 100

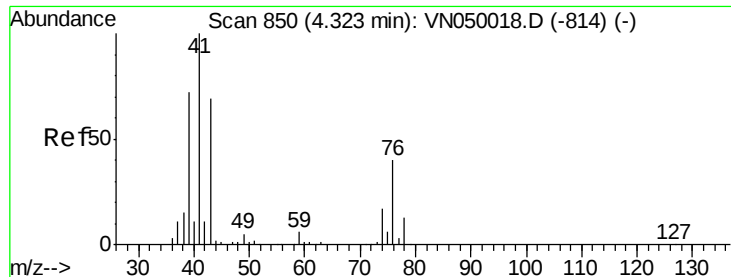
55 60.2 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

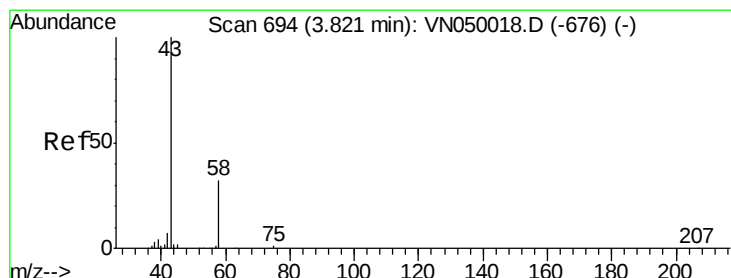
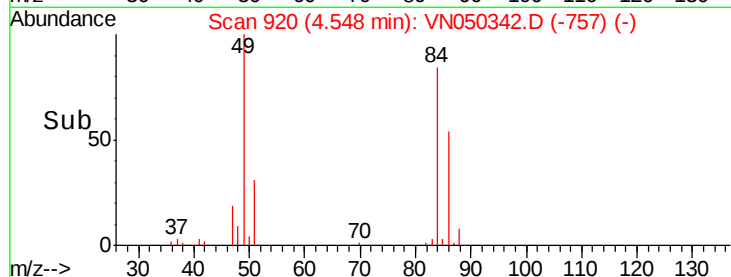
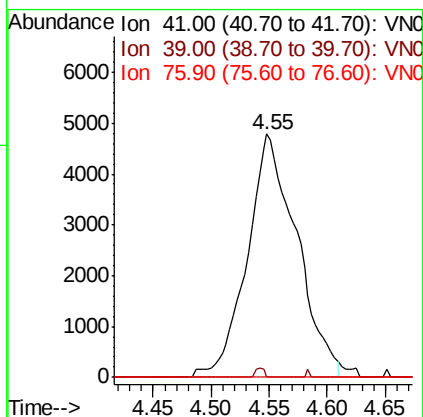
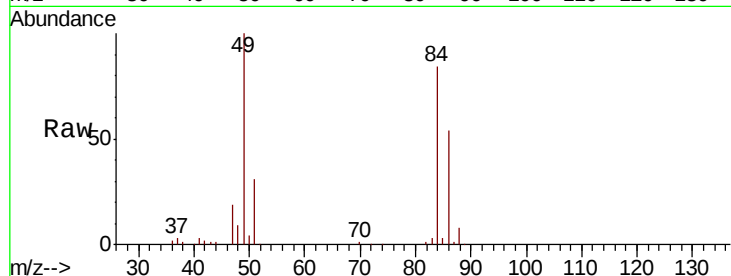




#14
Allvl chloride
Concen: 1.15 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.23 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

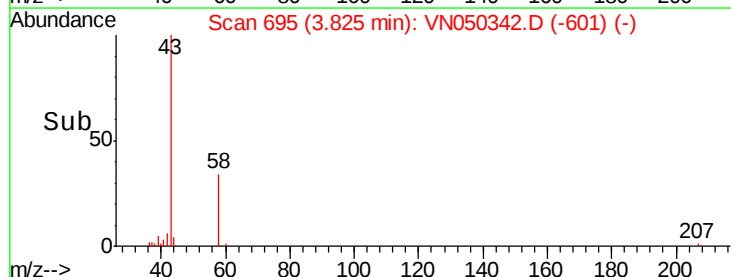
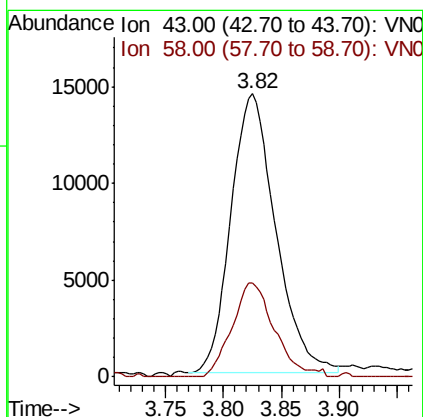
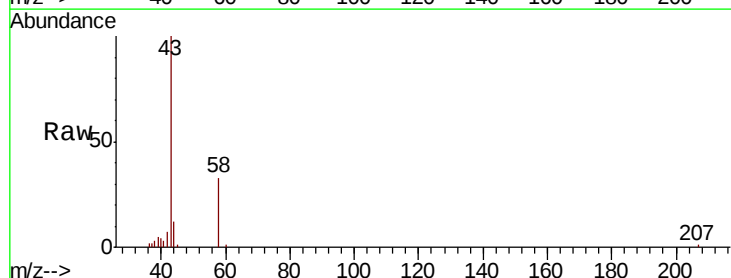
Instrument :
MSVOA_N
ClientSampled :
C-5

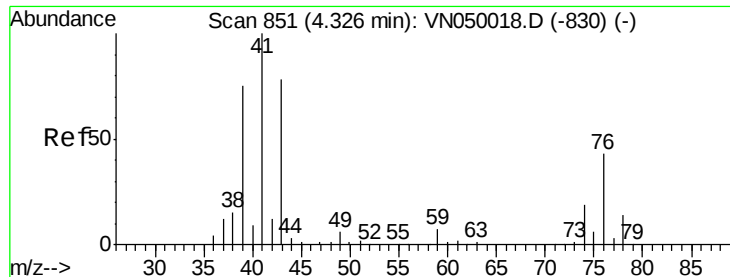
Tot Ion: 41 Resp: 14218
Ion Ratio Lower Upper
41 100
39 0.7 54.2 81.4#
76 0.0 29.0 43.6#



#16
Acetone
Concen: 12.96 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Tgt Ion: 43 Resp: 38738
Ion Ratio Lower Upper
43 100
58 33.7 25.8 38.8

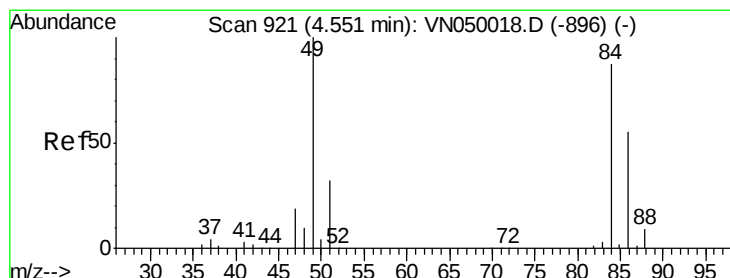
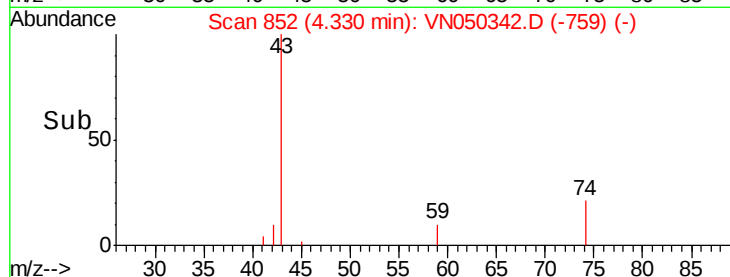
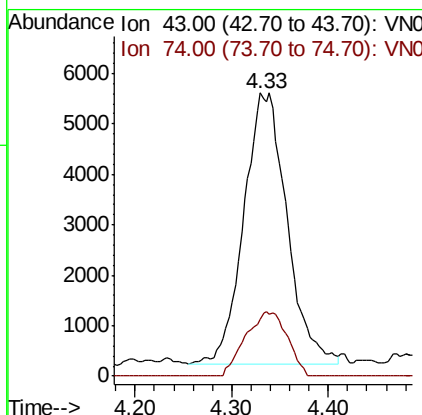
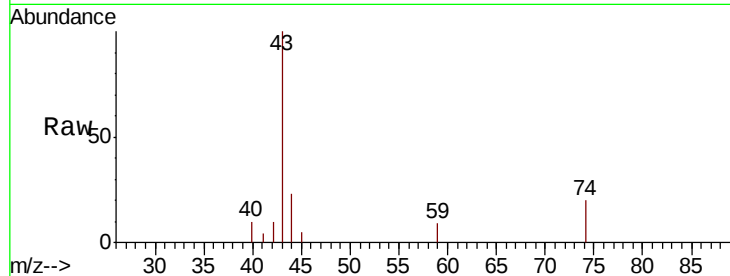




#18
Methvl Acetate
Concen: 0.26 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

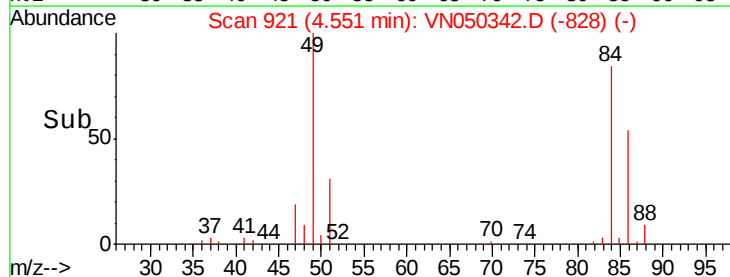
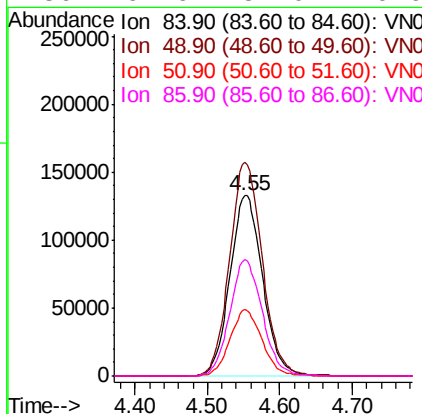
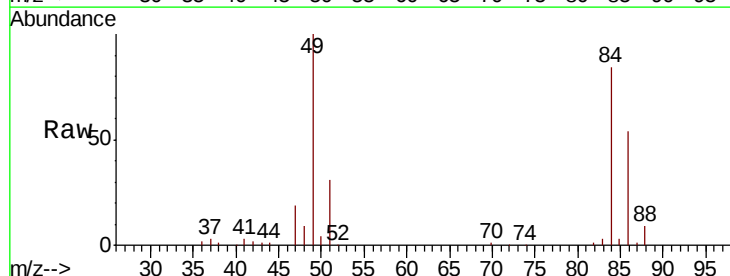
Instrument :
MSVOA_N
ClientSampled :
C-5

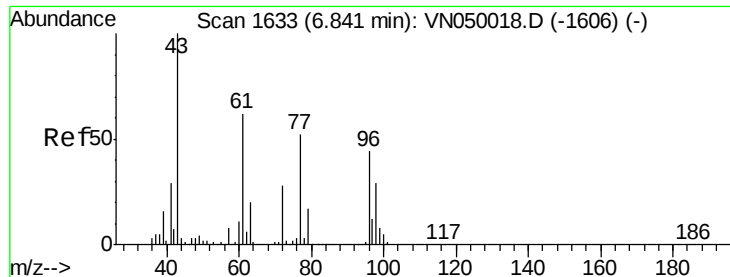
Tot Ion: 43 Resp: 16601
Ion Ratio Lower Upper
43 100
74 22.9 19.2 28.8



#20
Methylene Chloride
Concen: 48.81 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Tgt Ion: 84 Resp: 416946
Ion Ratio Lower Upper
84 100
49 118.5 94.8 142.2
51 36.9 28.3 42.5
86 64.6 51.0 76.6

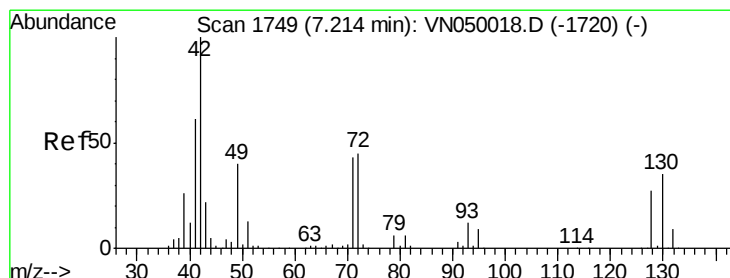
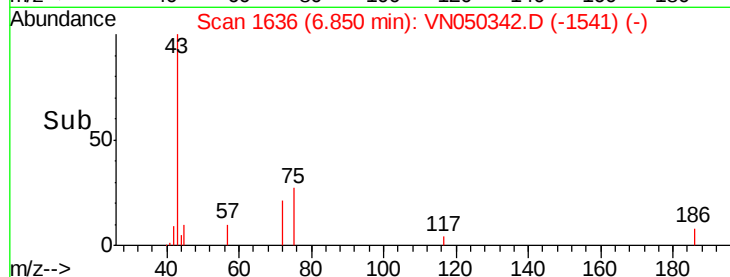
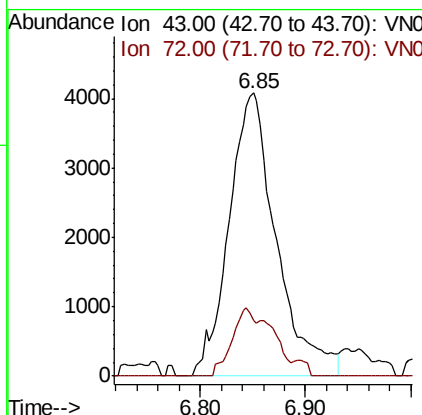
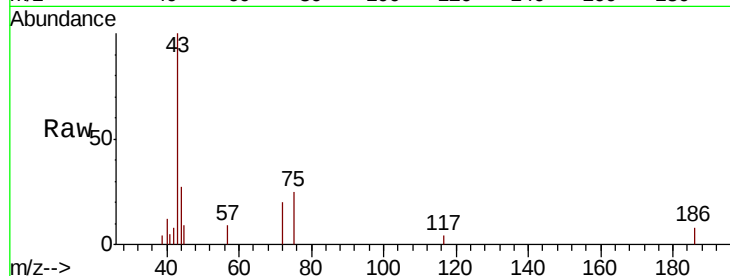




#25
2-Butanone
Concen: 3.46 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

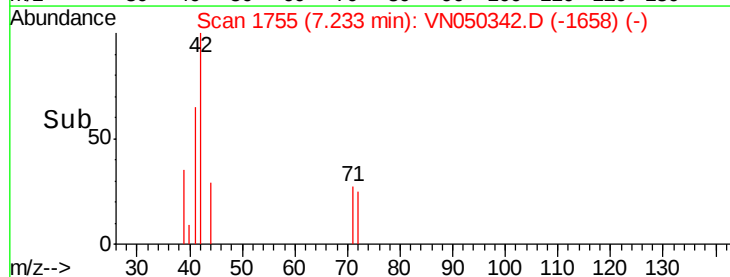
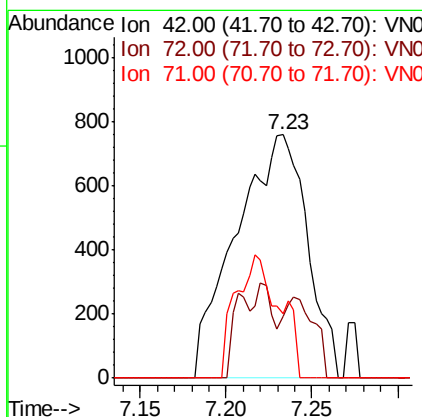
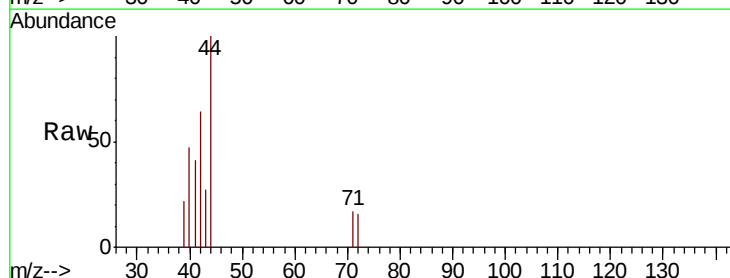
Instrument :
MSVOA_N
ClientSampled :
C-5

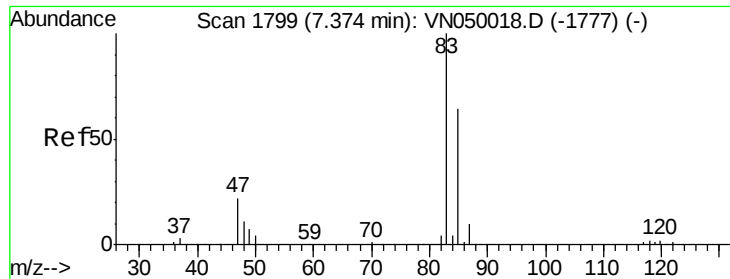
Tot Ion: 43 Resp: 12717
Ion Ratio Lower Upper
43 100
72 19.5 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.92 ug/l
RT: 7.23 min Scan# 1755
Delta R.T. 0.01 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Tgt Ion: 42 Resp: 2189
Ion Ratio Lower Upper
42 100
72 14.3 35.9 53.9#
71 0.0 33.7 50.5#





#30

Chloroform

Concen: 1.03 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

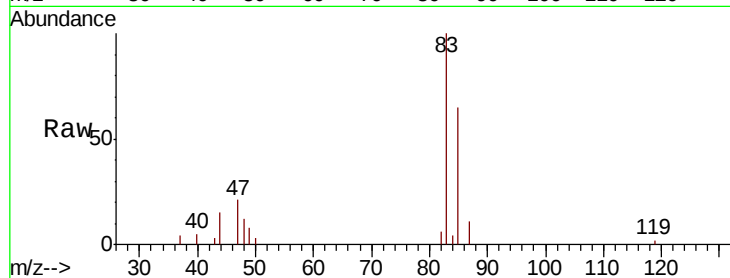
C-5

Tot Ion: 83 Resp: 16737

Ion Ratio Lower Upper

83 100

85 65.5 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.37

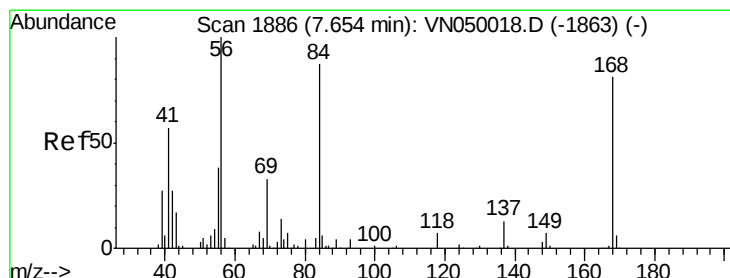
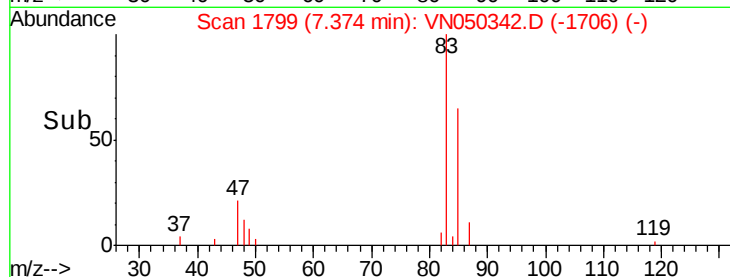
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4000

2000

0

Time-->



#31

Cyclohexane

Concen: 0.91 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

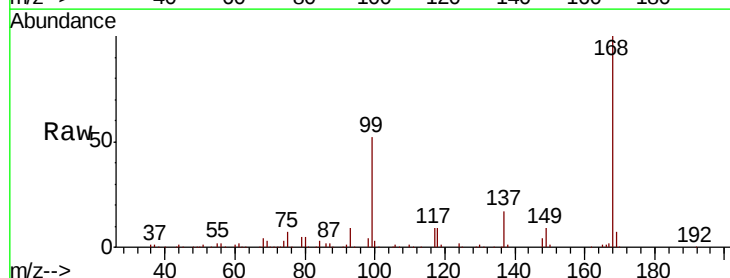
Tgt Ion: 56 Resp: 12948

Ion Ratio Lower Upper

56 100

69 182.5 26.2 39.4#

84 146.9 67.4 101.0#



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

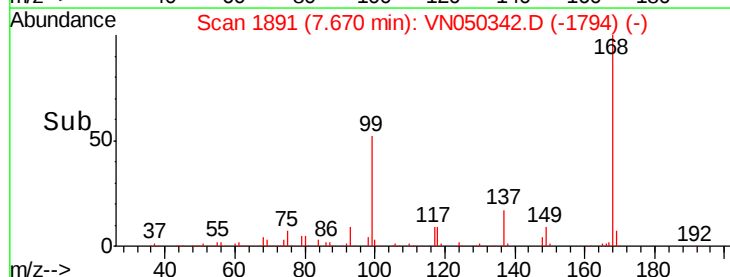
7.67

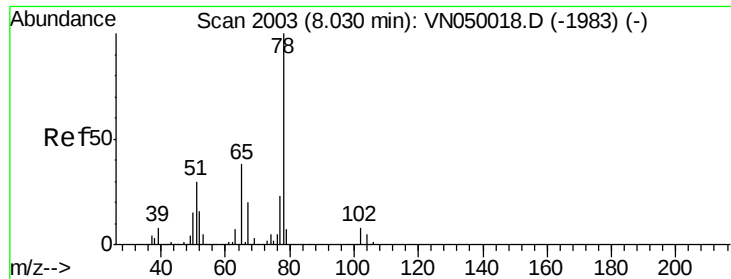
10000

5000

0

Time-->

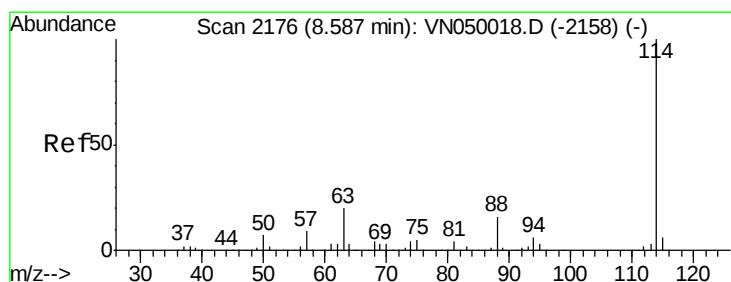
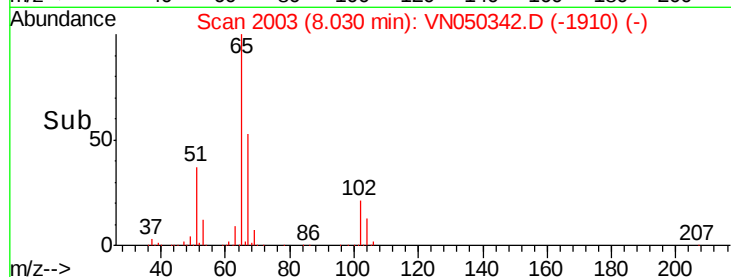
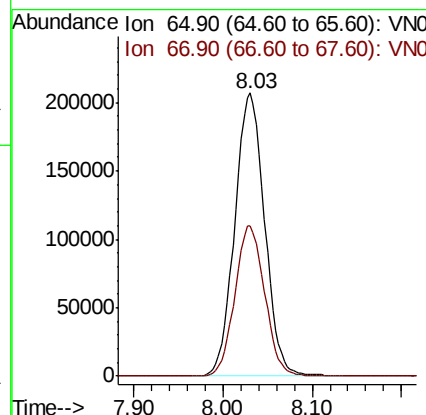
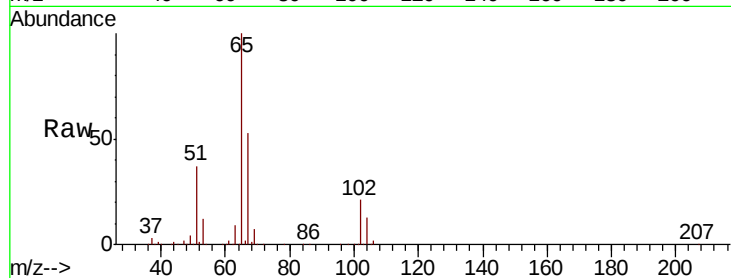




#33
 1,2-Dichloroethane-d4
 Concen: 49.96 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050342.D
 Acq: 4 Aug 2018 4:14

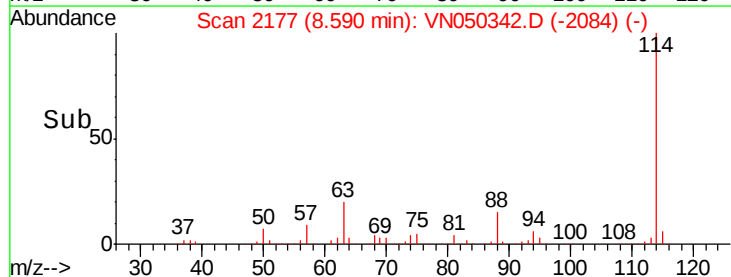
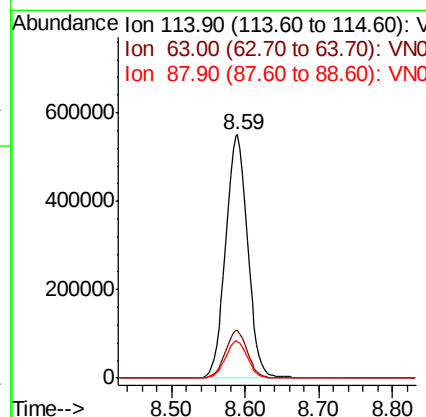
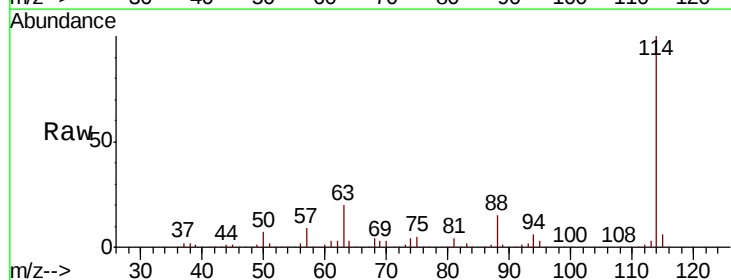
Instrument :
 MSVOA_N
 ClientSampleId :
 C-5

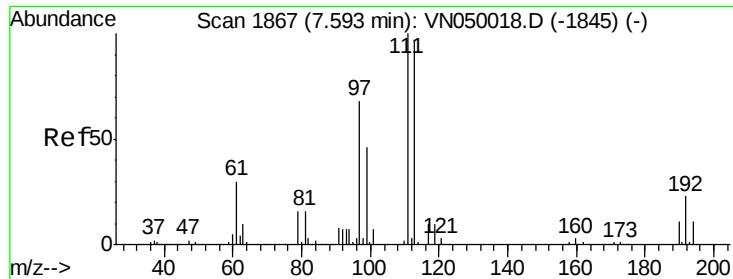
Tot Ion: 65 Resp: 481048
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050342.D
 Acq: 4 Aug 2018 4:14

Tgt Ion: 114 Resp: 1142853
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.0 0.0 31.2

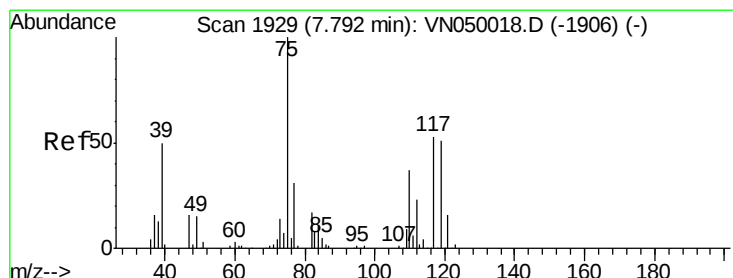
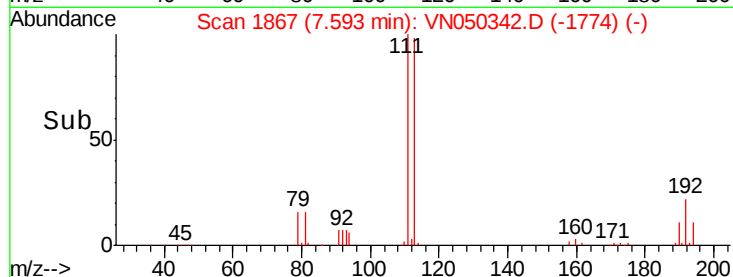
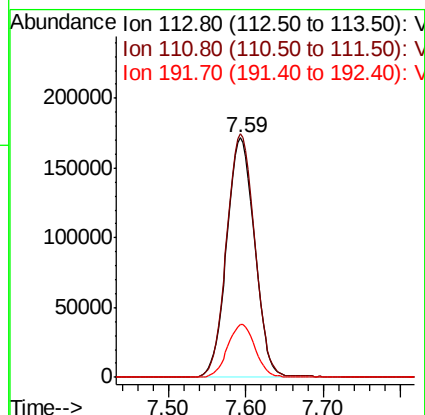
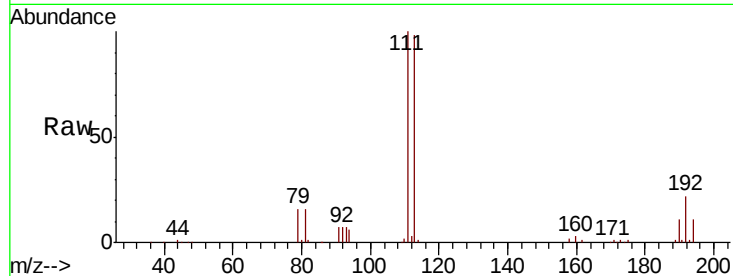




#35
 Dibromofluoromethane
 Concen: 46.10 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050342.D
 Acq: 4 Aug 2018 4:14

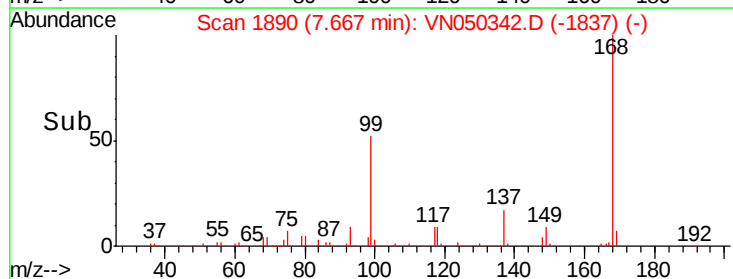
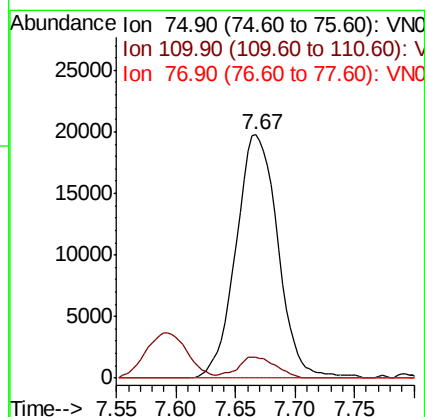
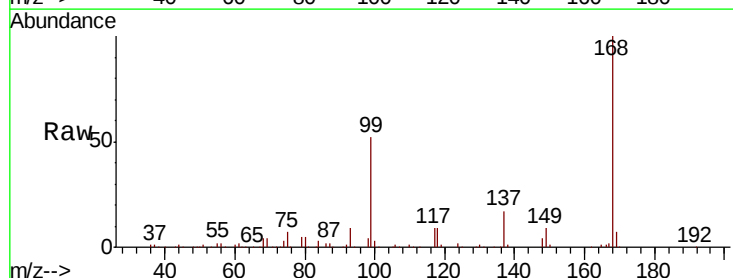
Instrument :
 MSVOA_N
 ClientSampleId :
 C-5

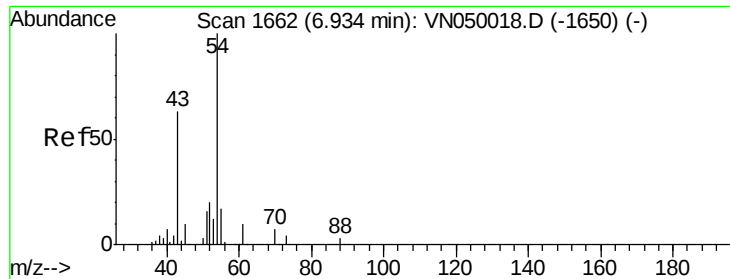
Tot Ion:113 Resp: 430186
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.7 121.1
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050342.D
 Acq: 4 Aug 2018 4:14

Tgt Ion: 75 Resp: 48233
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.2#
 77 0.0 25.3 37.9#

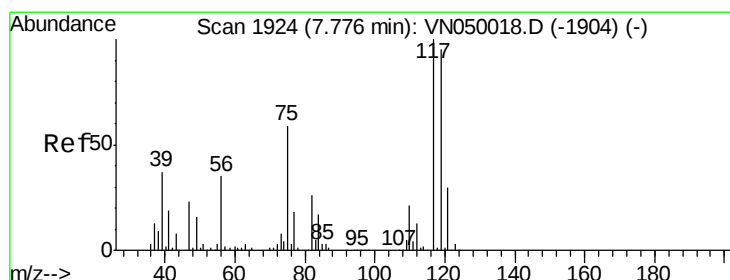
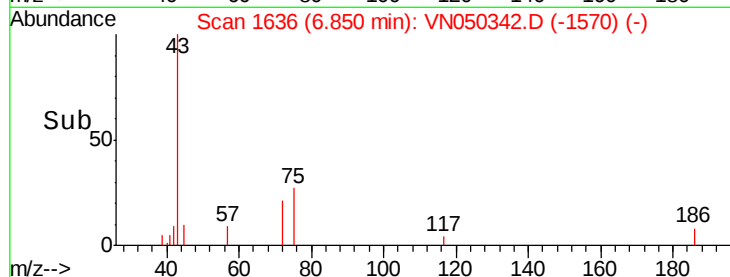
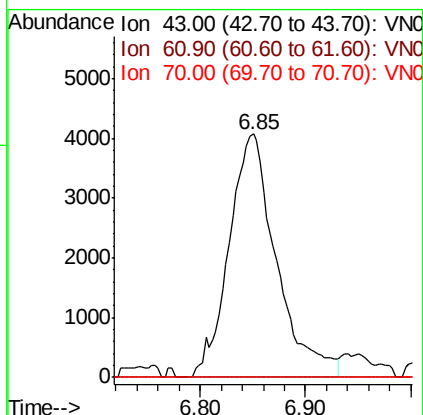
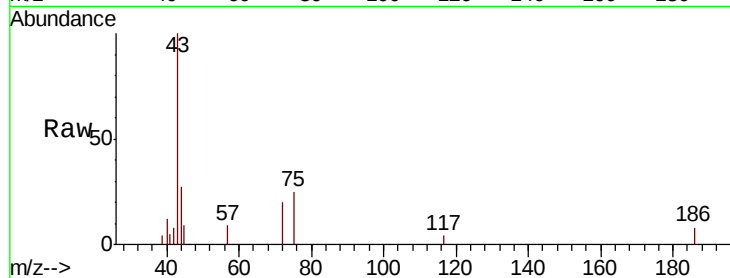




#37
Ethyl Acetate
Concen: 1.42 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. -0.09 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

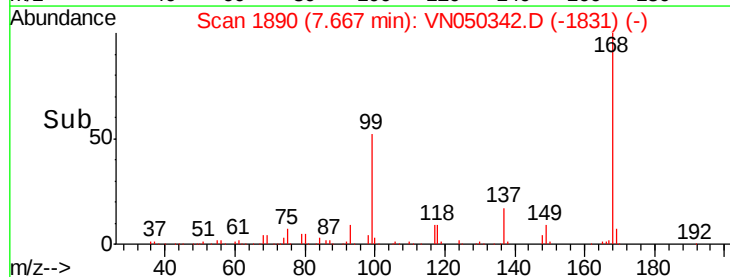
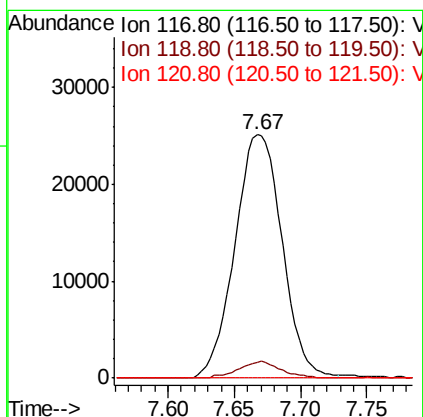
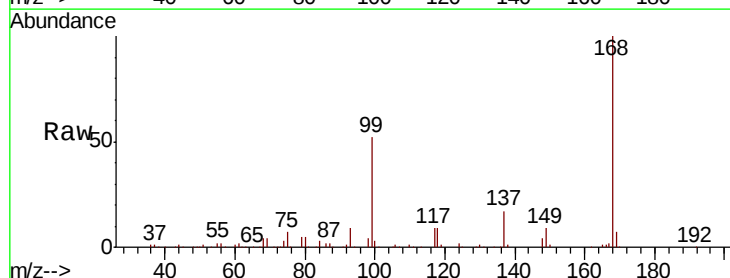
Instrument :
MSVOA_N
ClientSampled :
C-5

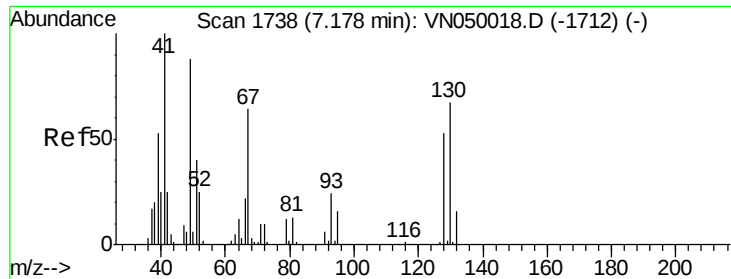
Tot Ion: 43 Resp: 12717
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.56 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Tgt Ion: 117 Resp: 62367
Ion Ratio Lower Upper
117 100
119 6.6 77.4 116.0#
121 0.0 23.9 35.9#

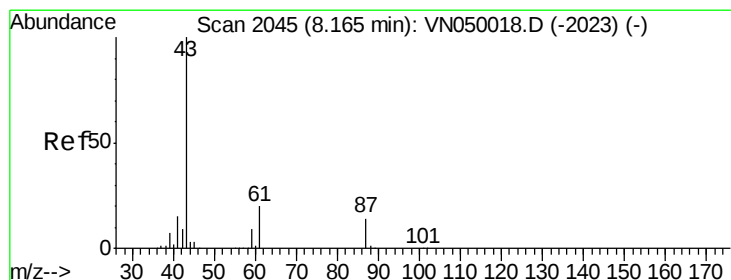
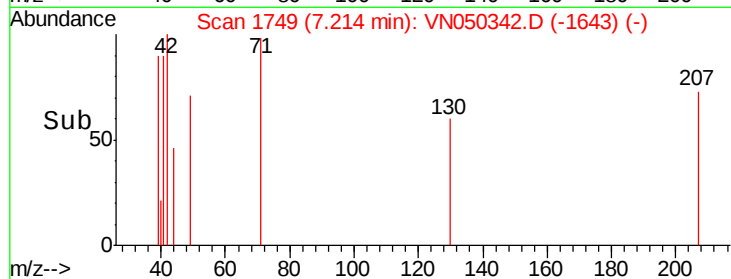
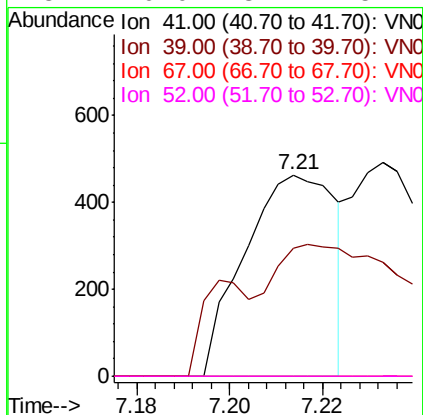
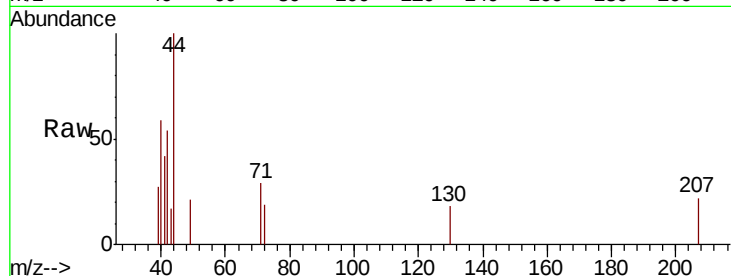




#41
Methacrylonitrile
Concen: 2.88 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

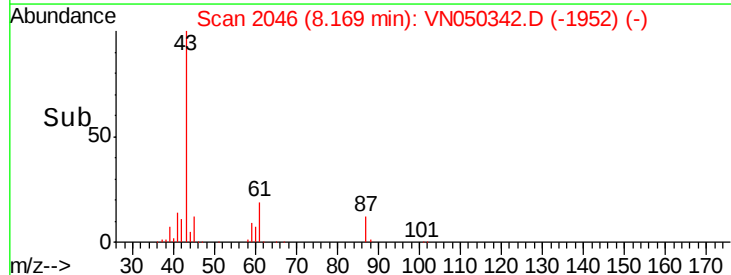
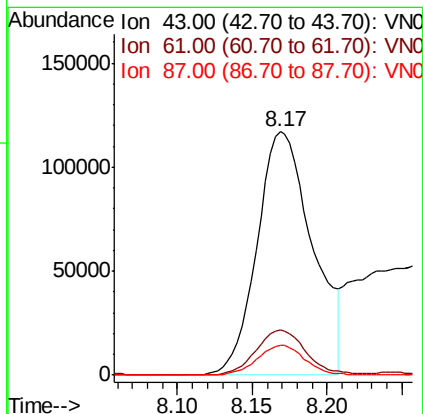
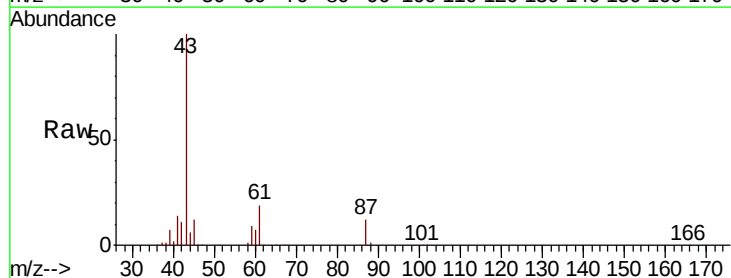
Instrument :
MSVOA_N
ClientSampled :
C-5

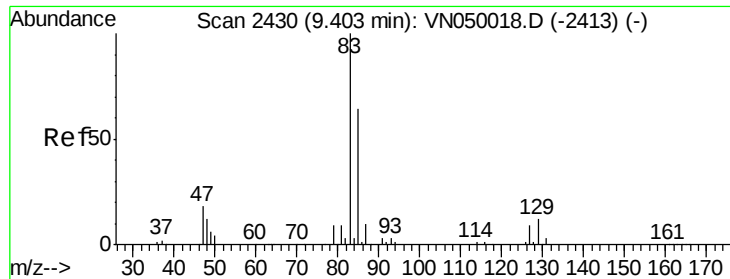
Tot Ion: 41 Resp: 631
Ion Ratio Lower Upper
41 100
39 108.2 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 17.03 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Tgt Ion: 43 Resp: 300748
Ion Ratio Lower Upper
43 100
61 16.6 15.8 23.6
87 10.4 10.3 15.5





#47

Bromodichloromethane

Concen: 0.31 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

C-5

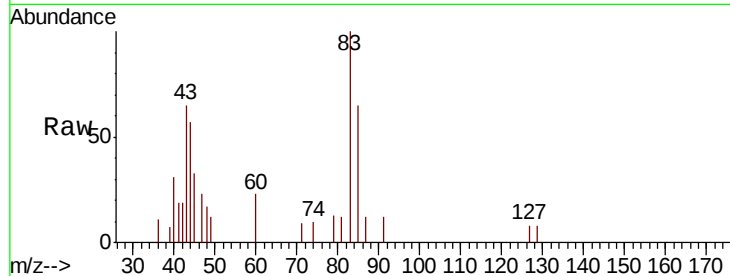
Tot Ion: 83 Resp: 4169

Ion Ratio Lower Upper

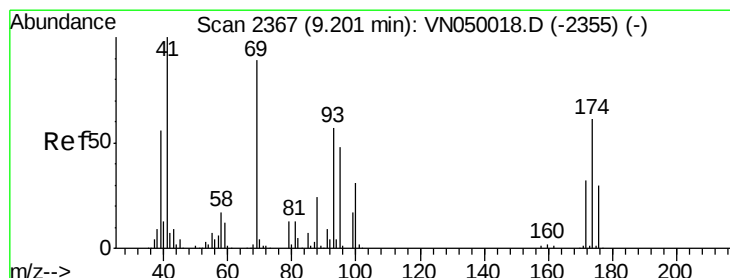
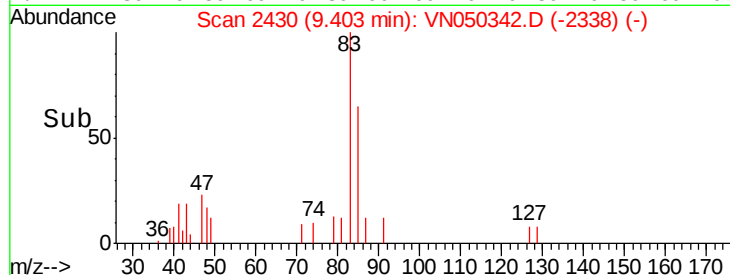
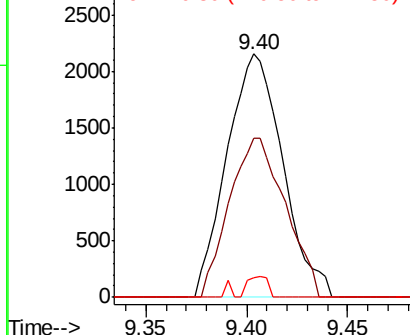
83 100

85 65.5 51.1 76.7

127 8.2 7.0 10.4



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: 1.18 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

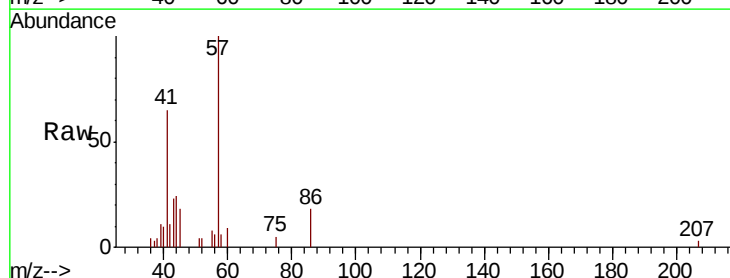
Tgt Ion: 41 Resp: 9158

Ion Ratio Lower Upper

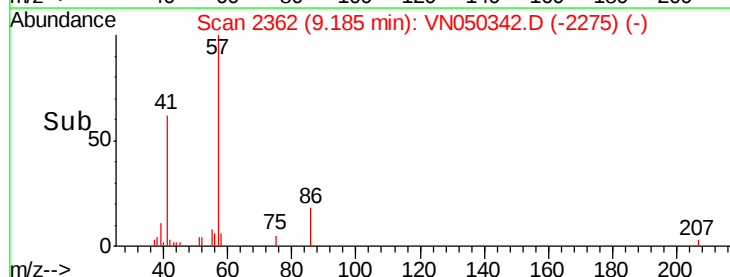
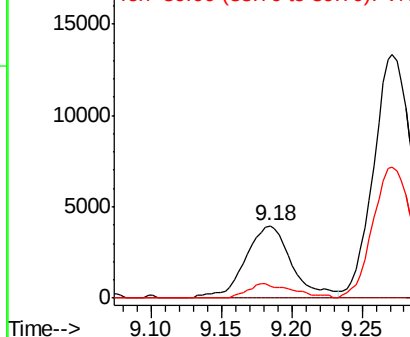
41 100

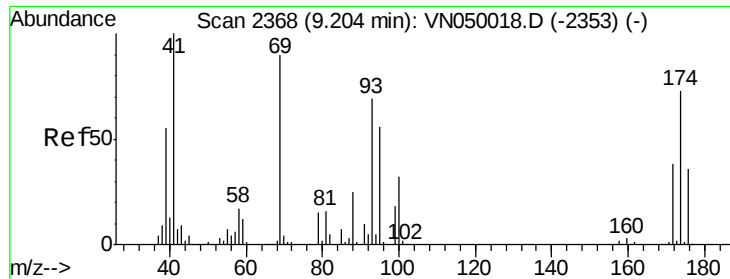
69 0.0 70.6 105.8#

39 19.4 43.9 65.9#



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





#49

1,4-Dioxane

Concen: 0.96 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

C-5

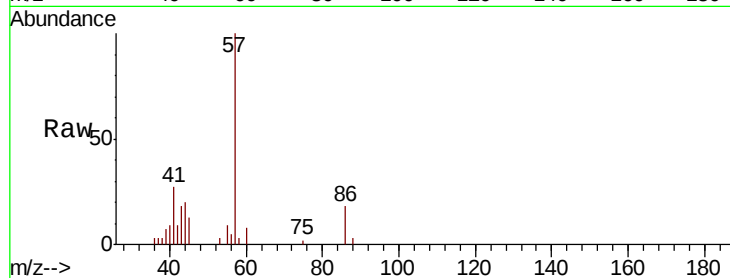
Tot Ion: 88 Resp: 101

Ion Ratio Lower Upper

88 100

43 0.0 26.9 40.3#

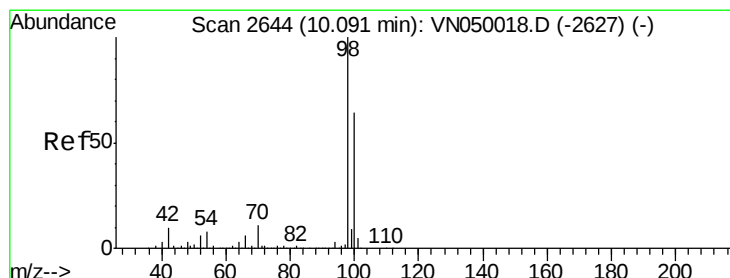
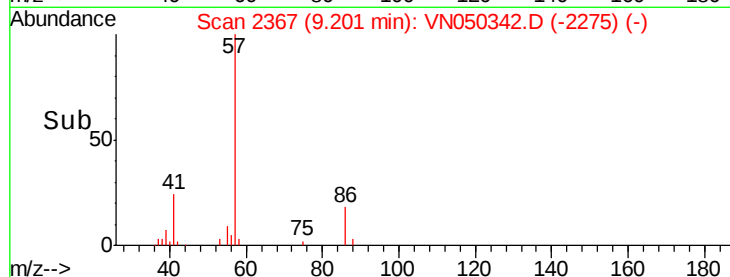
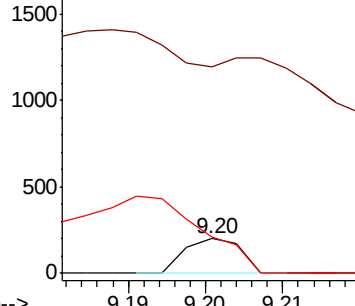
58 615.8 57.3 85.9#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 45.53 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050342.D

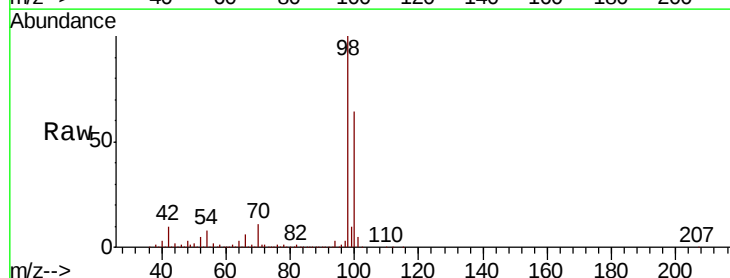
Acq: 4 Aug 2018 4:14

Tgt Ion: 98 Resp: 1561908

Ion Ratio Lower Upper

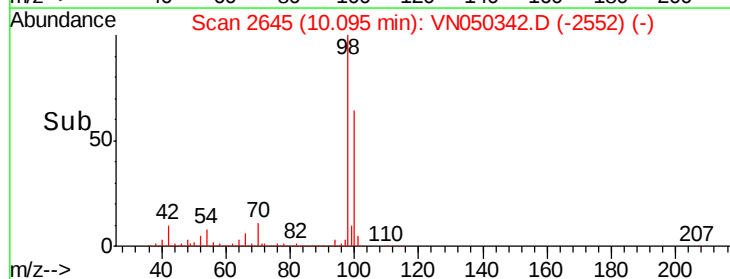
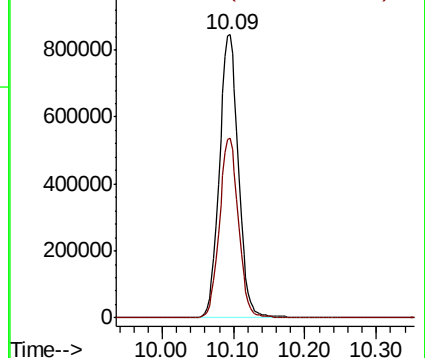
98 100

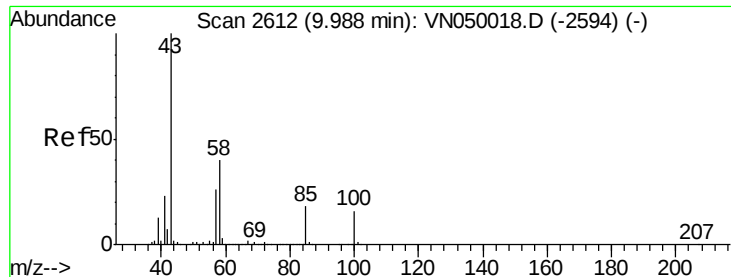
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

RT: 9.99 min Scan# 2614

Delta R.T. 0.01 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

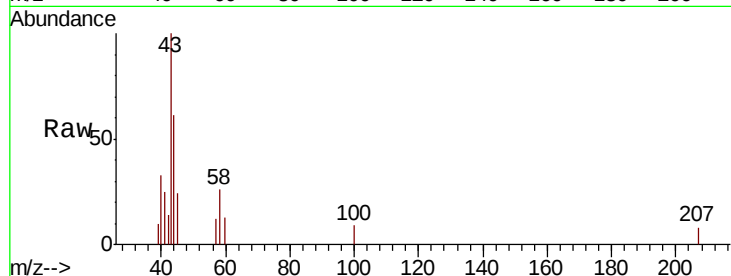
C-5

Tot Ion: 43 Resp: 3189

Ion Ratio Lower Upper

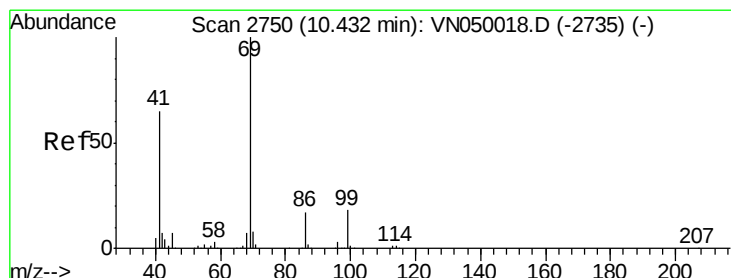
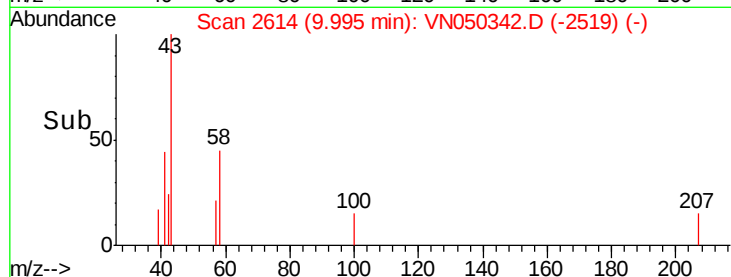
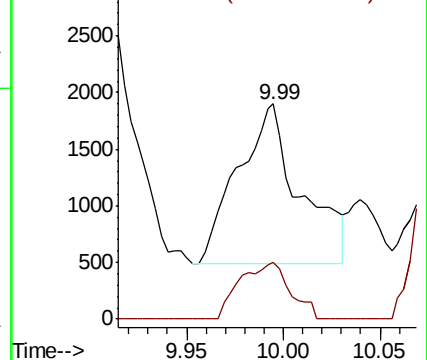
43 100

58 28.5 31.9 47.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 2.09 ug/l

RT: 10.64 min Scan# 2816

Delta R.T. 0.21 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

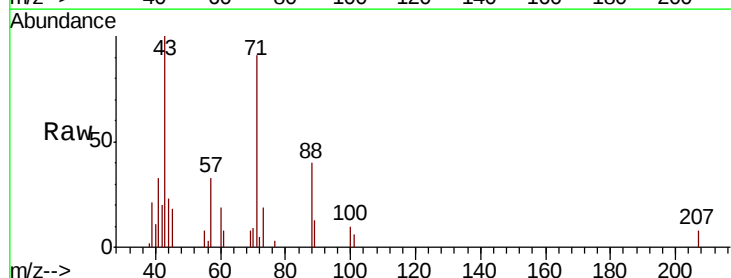
Tgt Ion: 69 Resp: 762

Ion Ratio Lower Upper

69 100

41 592.4 51.0 76.4#

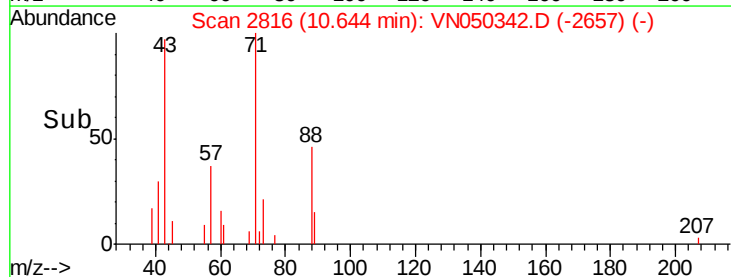
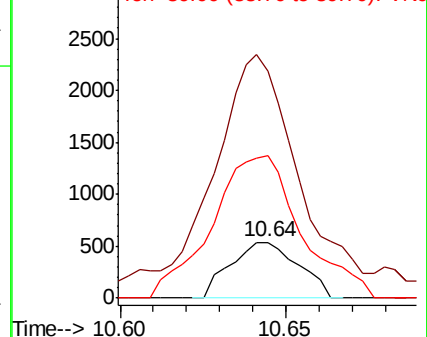
39 336.9 26.6 40.0#

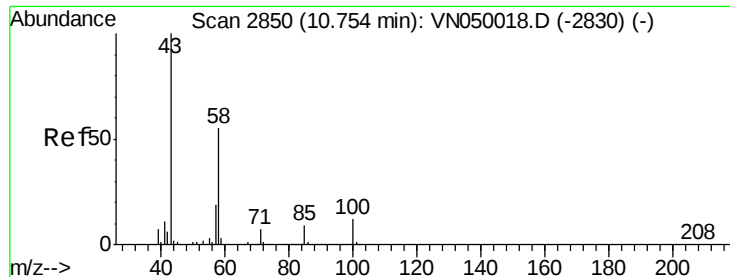


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 7.76 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

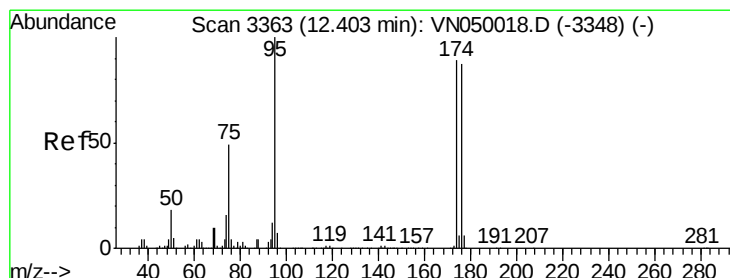
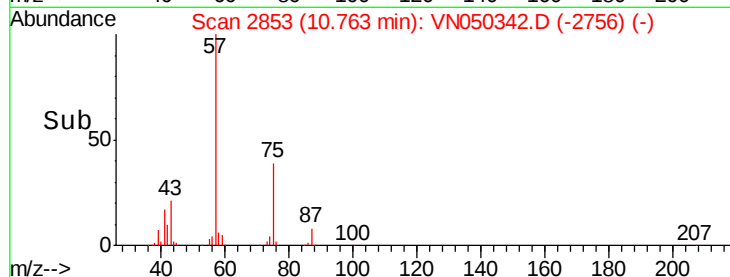
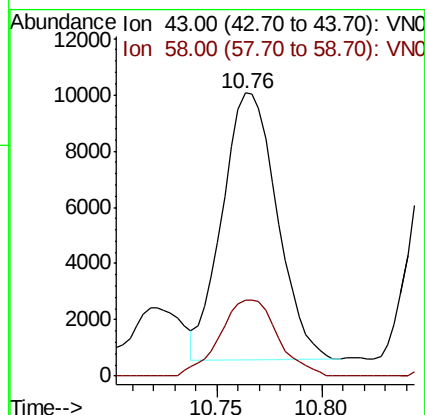
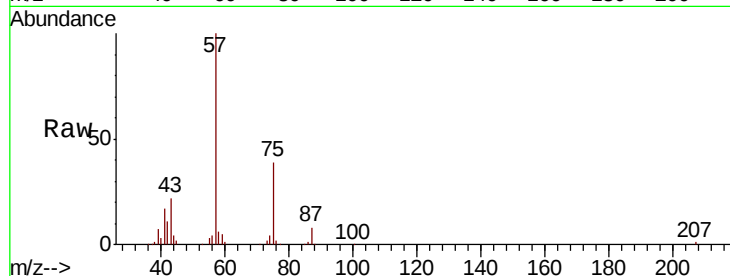
C-5

Tot Ion: 43 Resp: 17135

Ion Ratio Lower Upper

43 100

58 30.4 27.6 82.7



#62

4-Bromofluorobenzene

Concen: 39.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

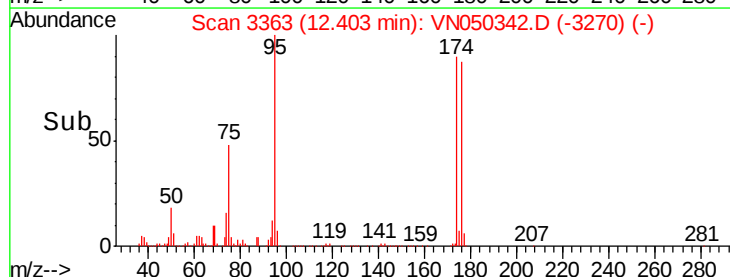
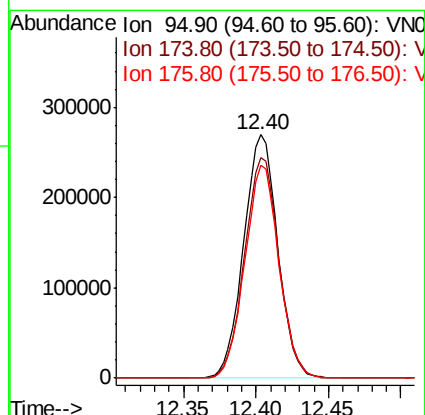
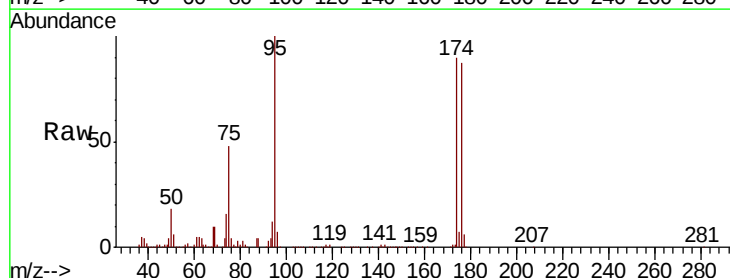
Tgt Ion: 95 Resp: 441946

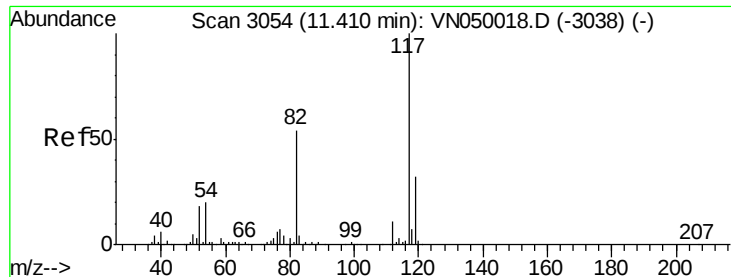
Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

176 87.4 0.0 173.4

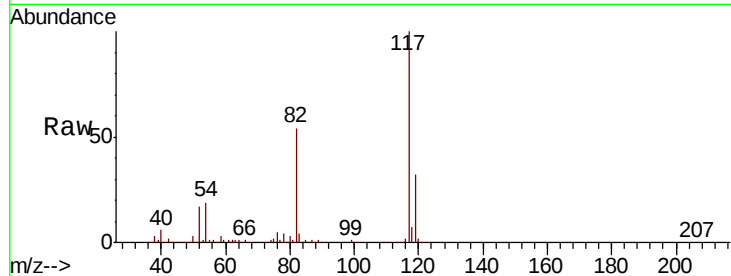




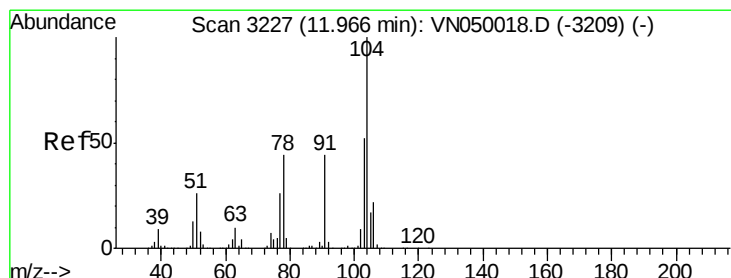
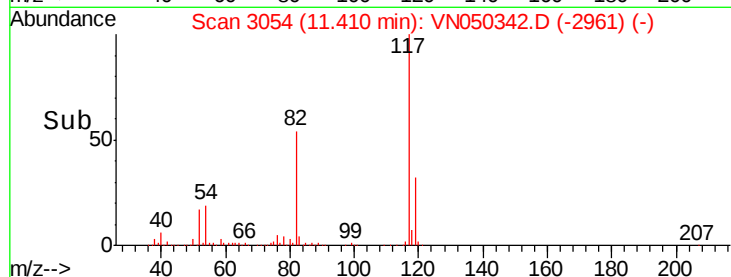
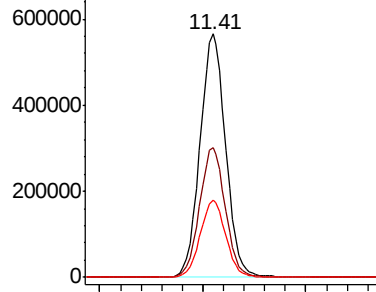
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Instrument :
MSVOA_N
ClientSampled :
C-5

Tot Ion:117 Resp: 977176
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 31.6 26.1 39.1

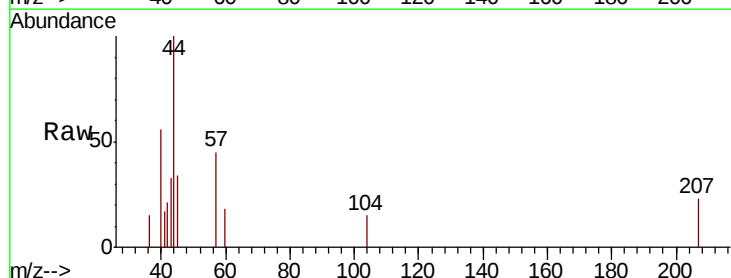


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

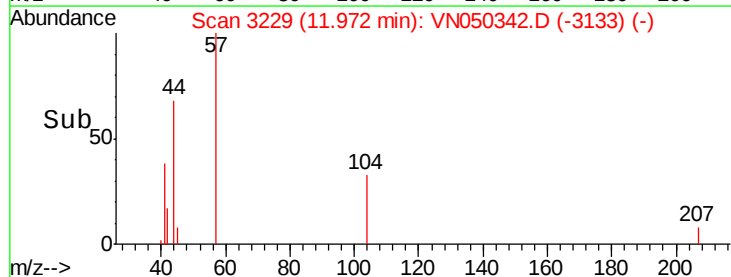
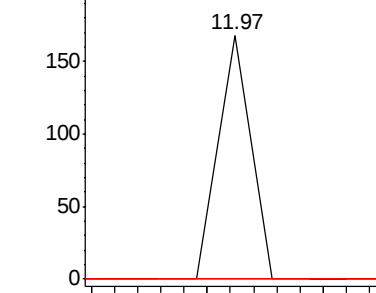


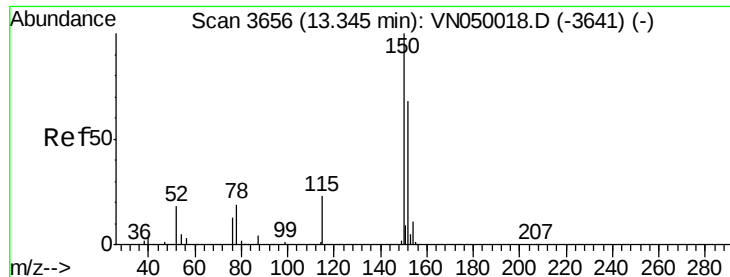
#70
Styrene
Concen: 0.92 ug/l
RT: 11.97 min Scan# 3229
Delta R.T. 0.01 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Tgt Ion:104 Resp: 32
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 0.0 45.0 67.6#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

C-5

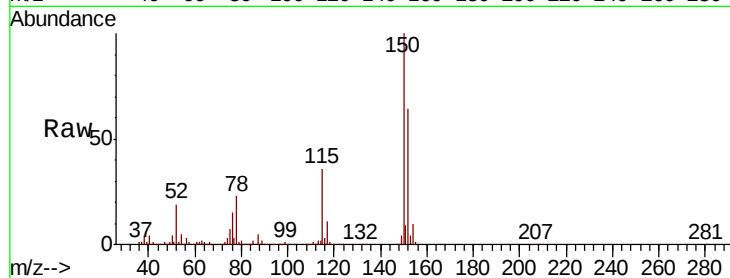
Tot Ion:152 Resp: 380931

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

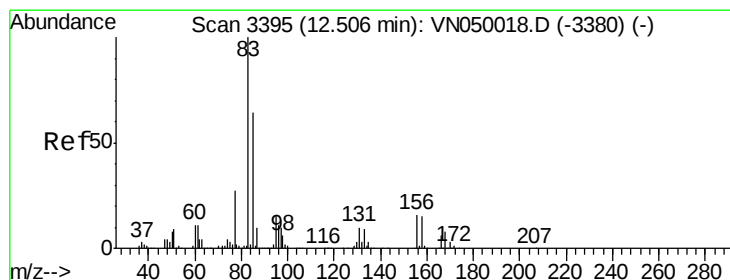
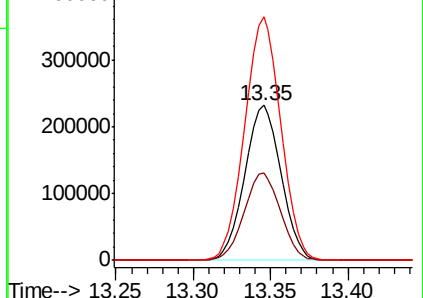
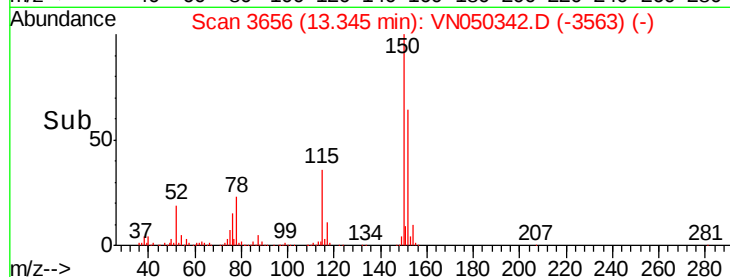
150 156.1 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3362

Delta R.T. -0.11 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

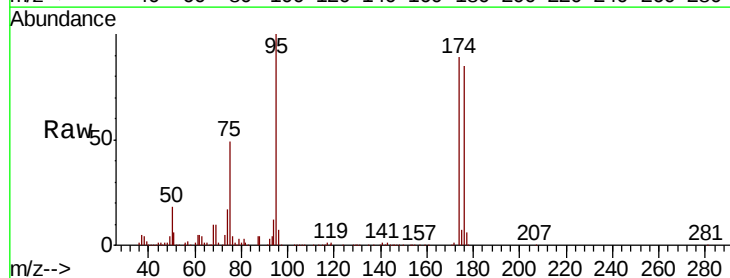
Tgt Ion: 83 Resp: 538

Ion Ratio Lower Upper

83 100

131 118.4 5.1 15.3#

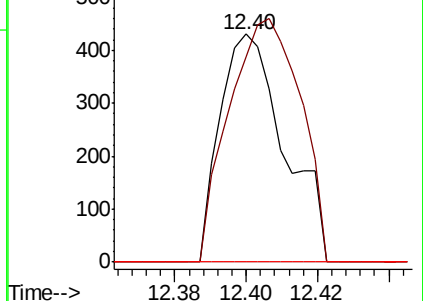
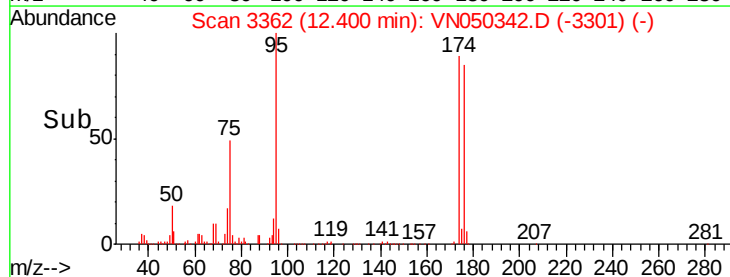
85 0.0 32.3 96.8#

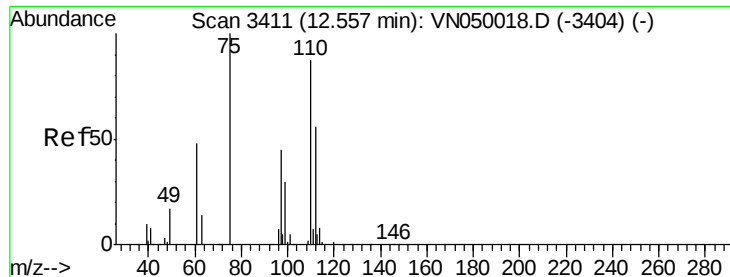


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 29.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

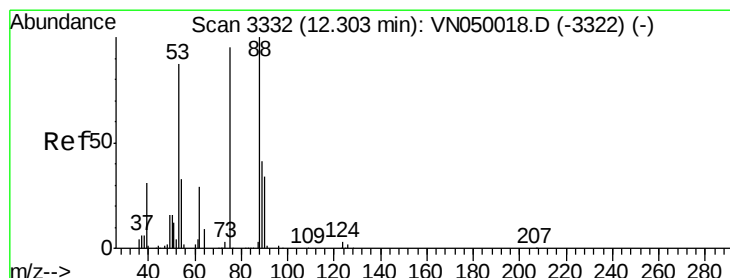
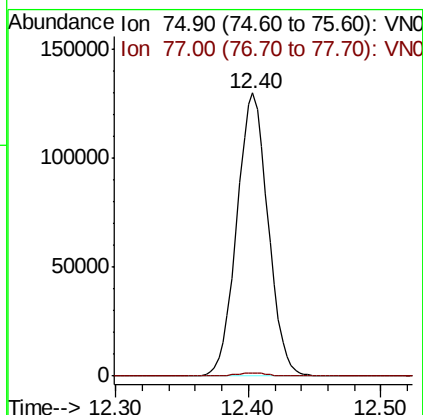
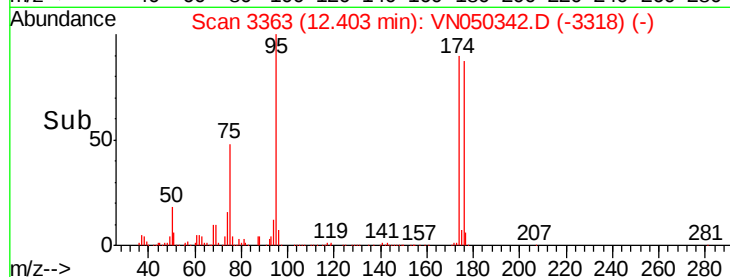
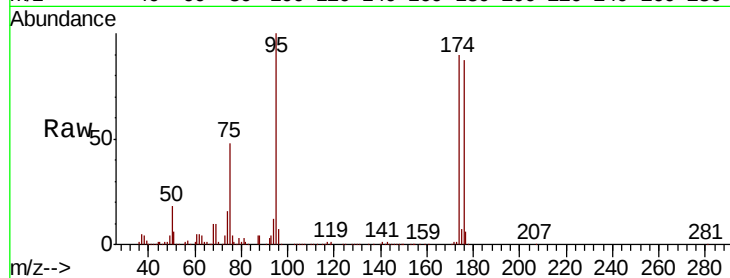
C-5

Tot Ion: 75 Resp: 212054

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.01 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

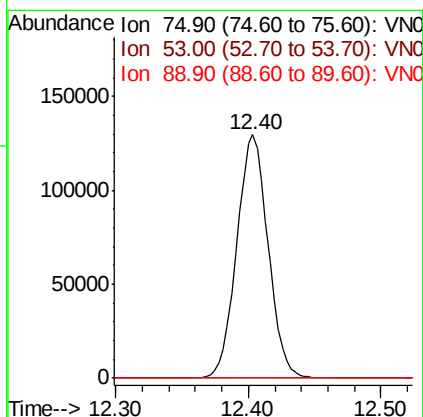
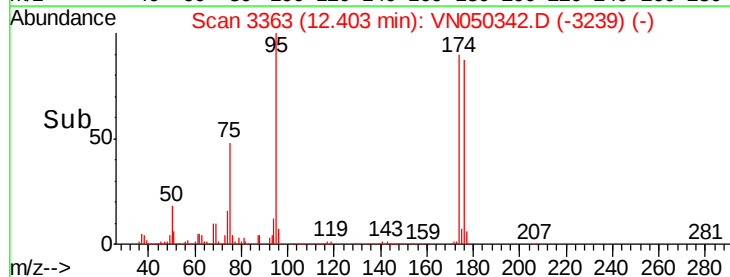
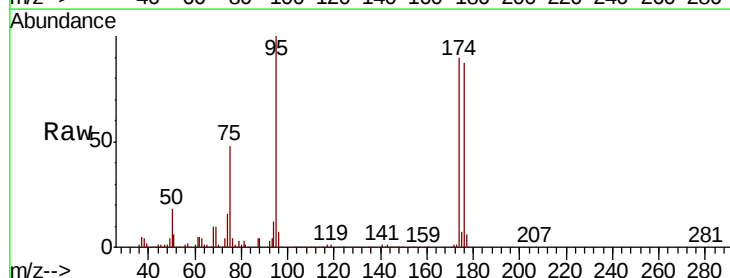
Tgt Ion: 75 Resp: 212054

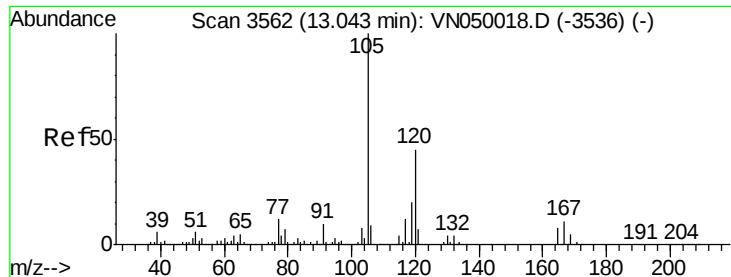
Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.22 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

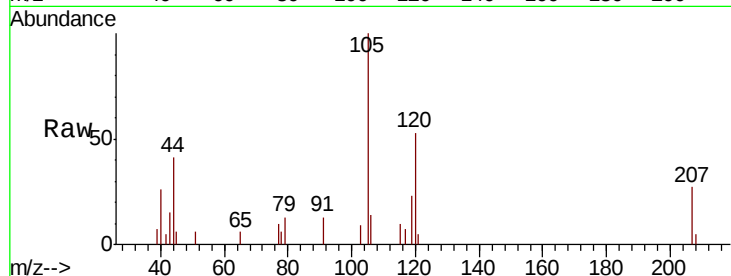
C-5

Tot Ion:105 Resp: 5237

Ion Ratio Lower Upper

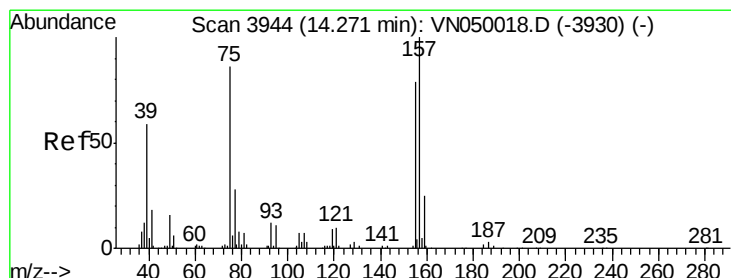
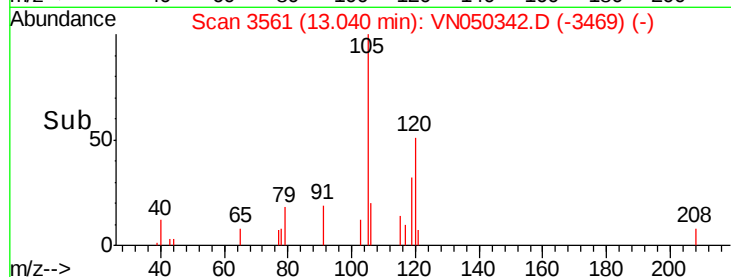
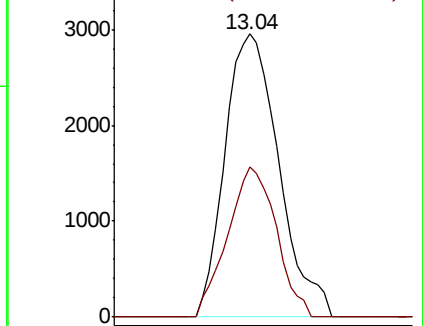
105 100

120 47.9 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.53 min Scan# 4025

Delta R.T. 0.26 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

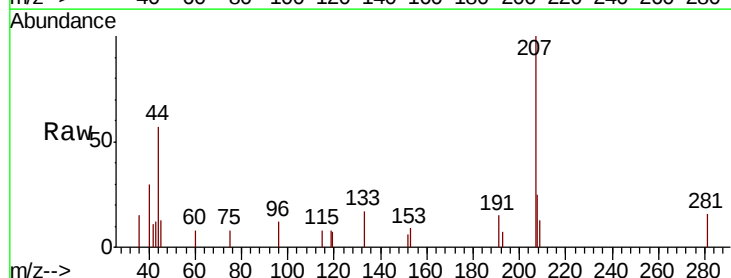
Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

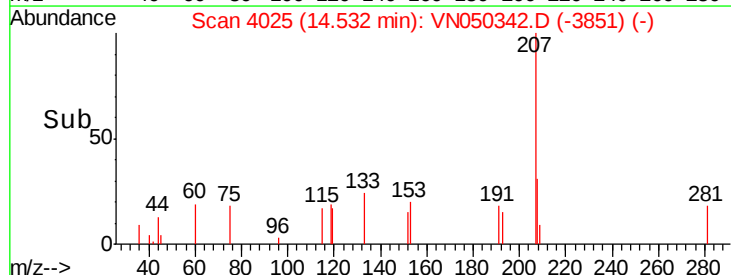
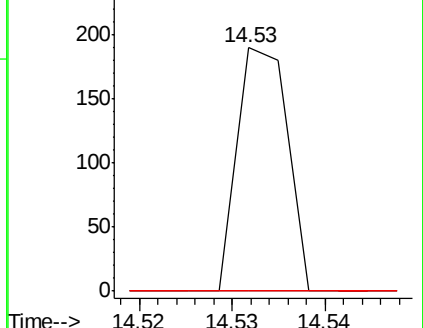
157 0.0 57.2 171.6#

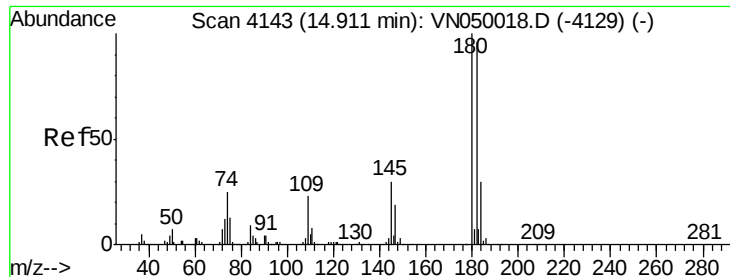


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

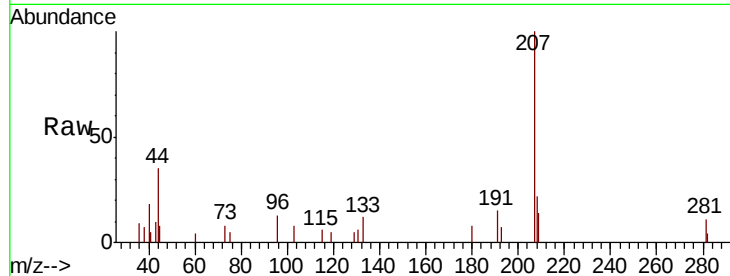




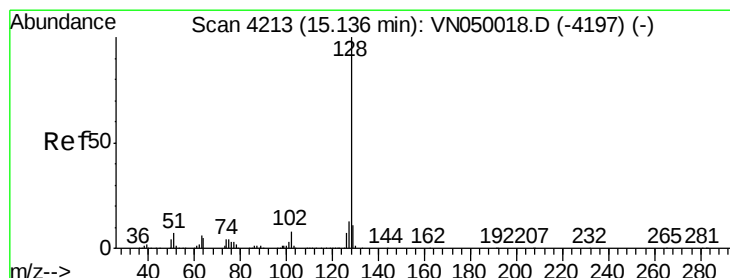
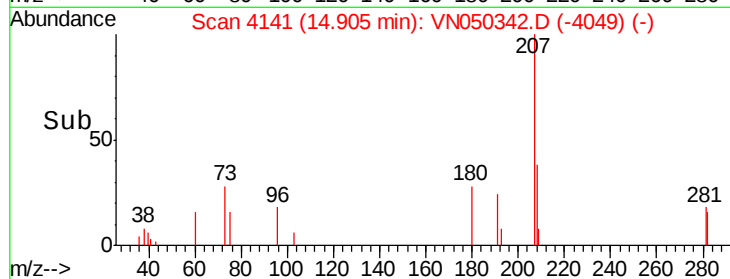
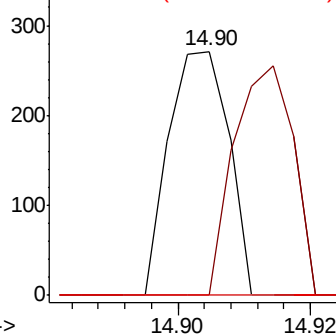
#93
 1,2,4-Trichlorobenzene
 Concen: 3.11 ug/l
 RT: 14.90 min Scan# 4141
 Delta R.T. -0.01 min
 Lab File: VN050342.D
 Acq: 4 Aug 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 C-5

Tot Ion:180 Resp: 170
 Ion Ratio Lower Upper
 180 100
 182 93.5 46.7 140.1
 145 0.0 13.8 41.4#

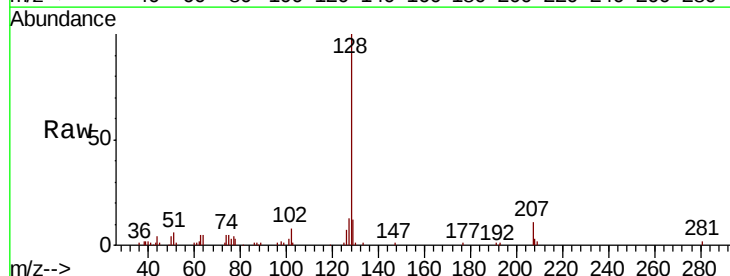


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 7.74 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN050342.D
 Acq: 4 Aug 2018 4:14

Tgt Ion:128 Resp: 63475
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.4 15.6
 129 11.9 8.8 13.2



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

