

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050349.D
 Acq On : 4 Aug 2018 7:08
 Operator : MD\SY
 Sample : J4313-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-12

Quant Time: Aug 06 00:49:36 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	655116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1076551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	942566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	407799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	455604	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	7.59	113	409025	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
50) Toluene-d8	10.09	98	1478178	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
62) 4-Bromofluorobenzene	12.40	95	446399	41.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.90%	

Target Compounds

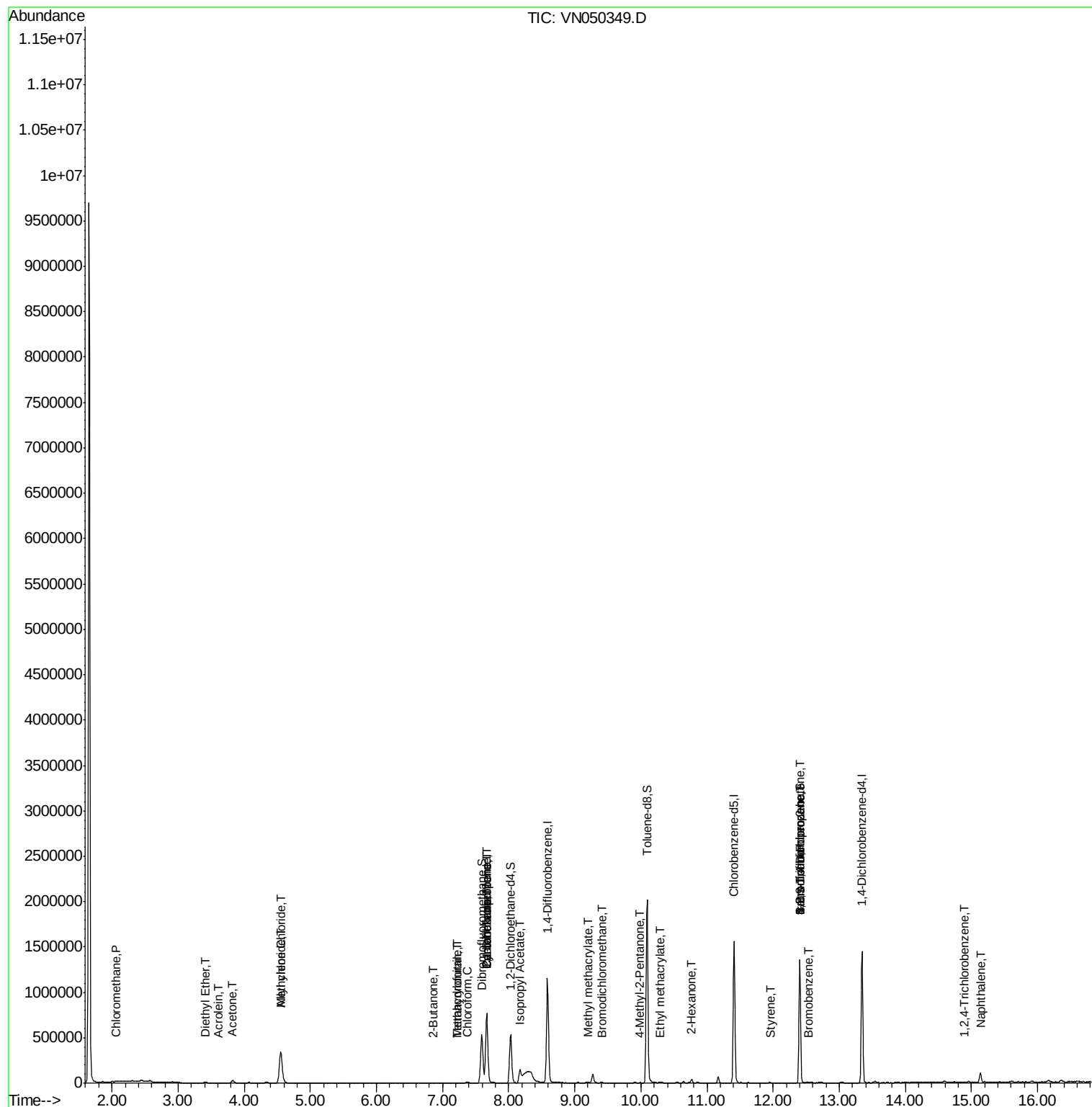
						Qvalue
3) Chloromethane	2.06	50	3481	0.34	ug/l	96
5) Bromomethane	2.57	94	4213	Below	Cal	95
8) Diethyl Ether	3.41	74	6729	1.45	ug/l	98
13) Acrolein	3.62	56	391	0.72	ug/l #	12
14) Allyl chloride	4.55	41	9987	0.85	ug/l #	24
16) Acetone	3.82	43	44225	16.49	ug/l	99
20) Methylene Chloride	4.55	84	274993	33.52	ug/l	100
25) 2-Butanone	6.85	43	5439	1.56	ug/l #	86
29) Tetrahydrofuran	7.22	42	1597	0.71	ug/l #	58
30) Chloroform	7.37	83	14473	0.93	ug/l	89
31) Cyclohexane	7.66	56	12252	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45684	3.77	ug/l #	48
38) Carbon Tetrachloride	7.67	117	58813	4.57	ug/l #	16
41) Methacrylonitrile	7.21	41	442	2.84	ug/l #	37
43) Isopropyl Acetate	8.17	43	182616	10.56	ug/l #	93
47) Bromodichloromethane	9.40	83	2890	0.23	ug/l #	88
48) Methyl methacrylate	9.18	41	4159	0.57	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	3387	0.41	ug/l #	73
56) Ethyl methacrylate	10.28	69	131	2.04	ug/l #	1
59) 2-Hexanone	10.77	43	6310	6.19	ug/l	64
70) Styrene	11.97	104	266	0.93	ug/l #	80
71) Bromoform	12.40	173	3769	0.57	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	152	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	219133	28.91	ug/l #	100
77) Bromobenzene	12.53	156	2177	0.25	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	219133	91.71	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.49	75	140	Below	Cal #	1
93) 1,2,4-Trichlorobenzene	14.90	180	94	3.10	ug/l #	1
95) Naphthalene	15.14	128	92402	8.94	ug/l	99

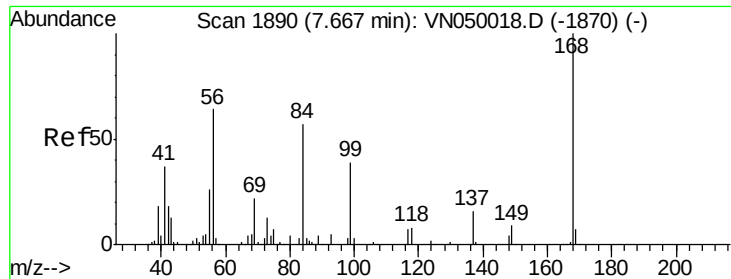
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampleId :

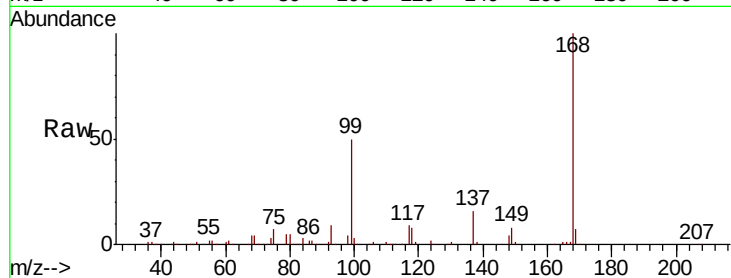
C-12

Tot Ion:168 Resp: 655116

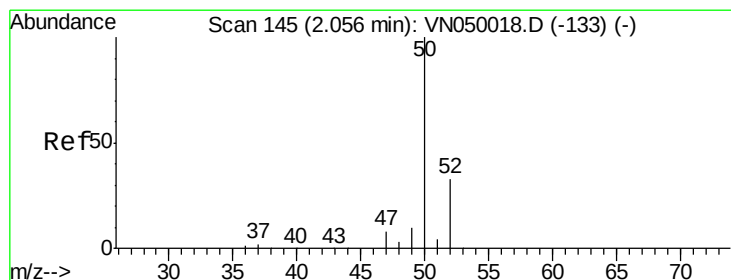
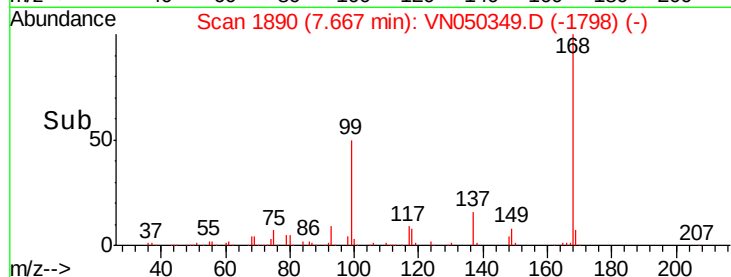
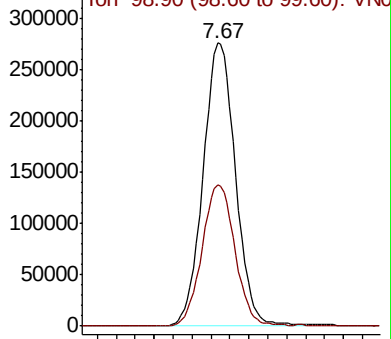
Ion Ratio Lower Upper

168 100

99 50.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)



#3

Chloromethane

Concen: 0.34 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050349.D

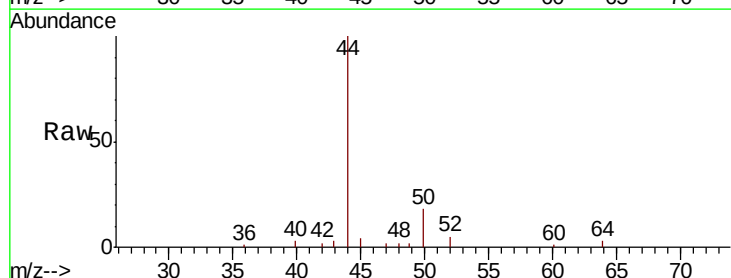
Acq: 4 Aug 2018 7:08

Tgt Ion: 50 Resp: 3481

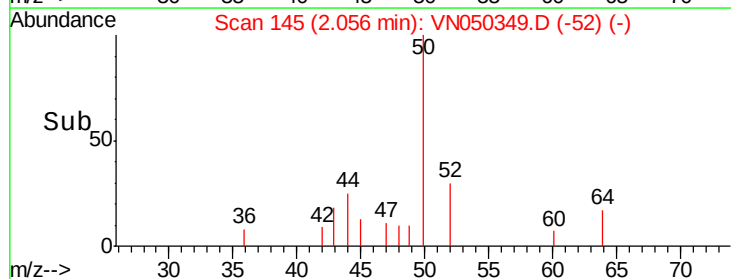
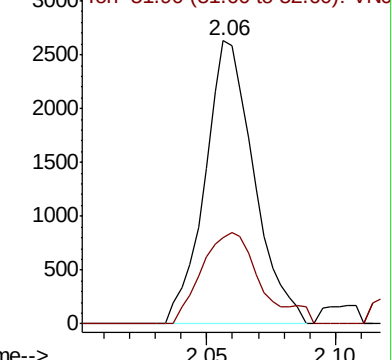
Ion Ratio Lower Upper

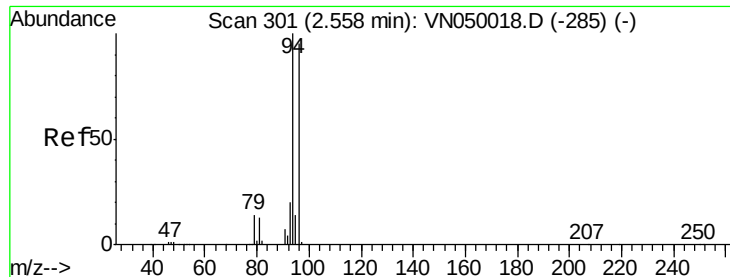
50 100

52 30.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050018.D (-133) (-)





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampled :

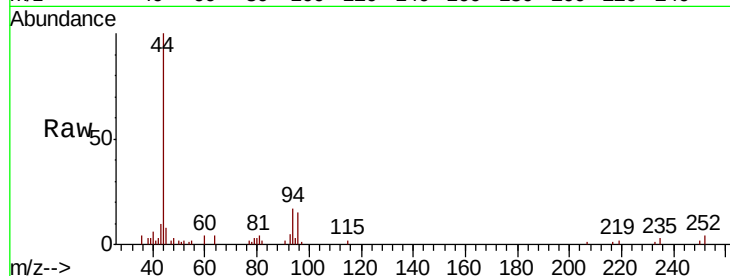
C-12

Tot Ion: 94 Resp: 4213

Ion Ratio Lower Upper

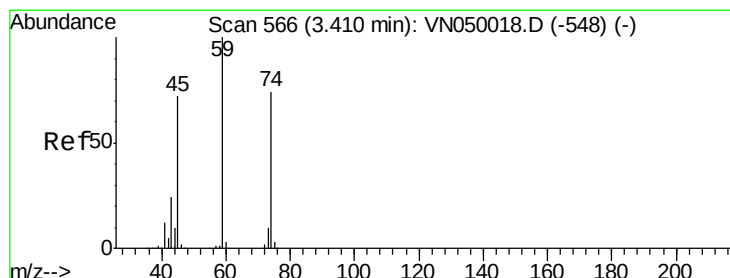
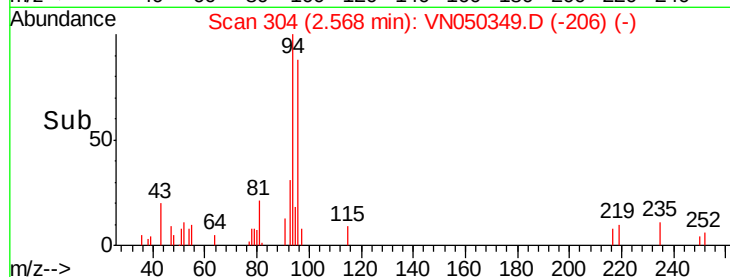
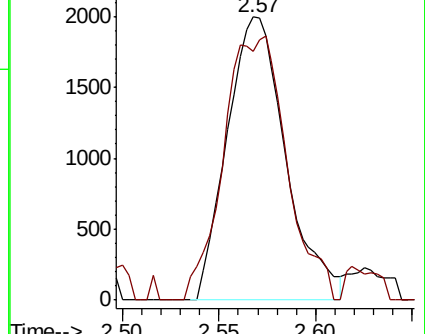
94 100

96 88.1 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: 1.45 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050349.D

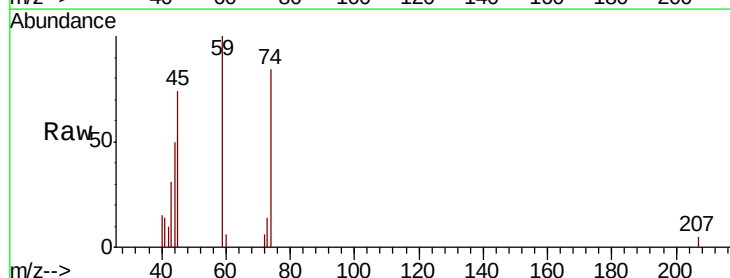
Acq: 4 Aug 2018 7:08

Tgt Ion: 74 Resp: 6729

Ion Ratio Lower Upper

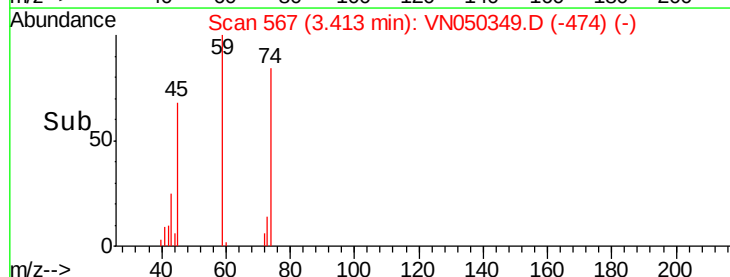
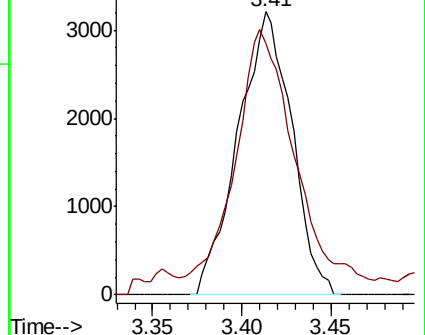
74 100

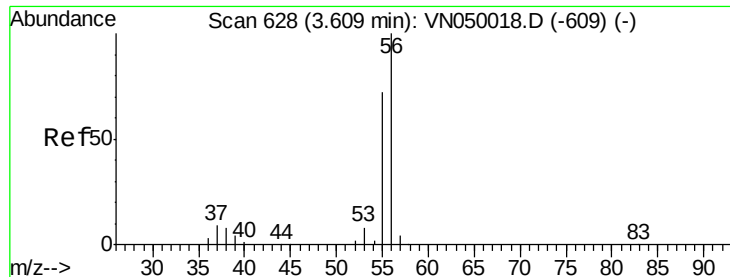
45 97.0 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#13

Acrolein

Concen: 0.72 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampled :

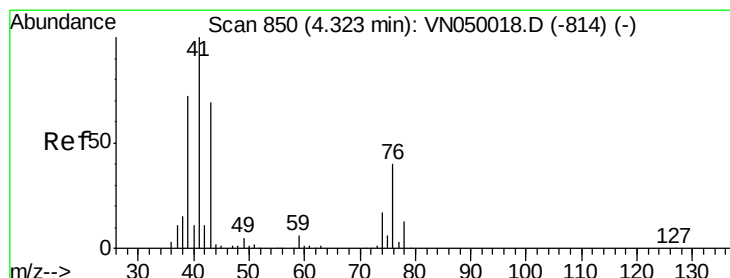
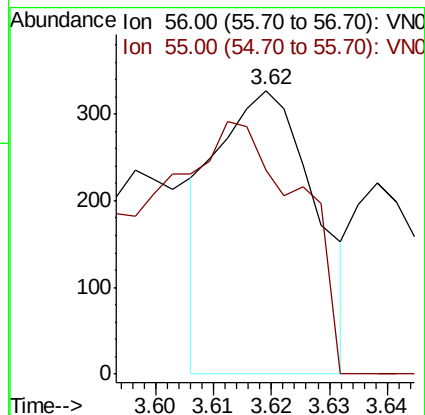
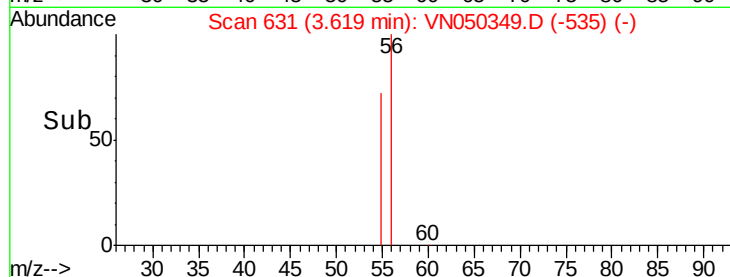
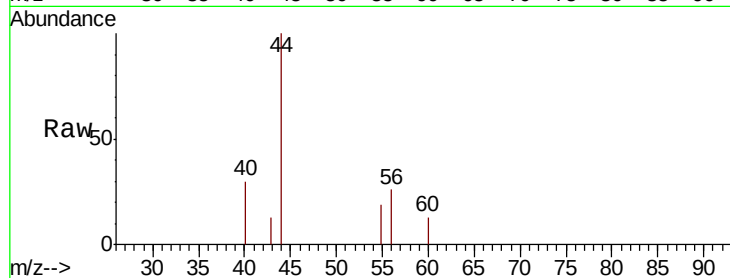
C-12

Tot Ion: 56 Resp: 391

Ion Ratio Lower Upper

56 100

55 141.7 55.8 83.6#



#14

Allyl chloride

Concen: 0.85 ug/l

RT: 4.55 min Scan# 920

Delta R.T. 0.23 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

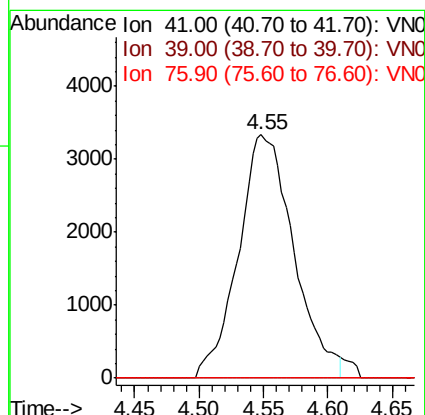
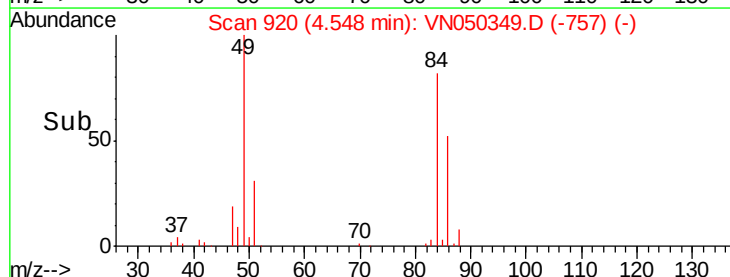
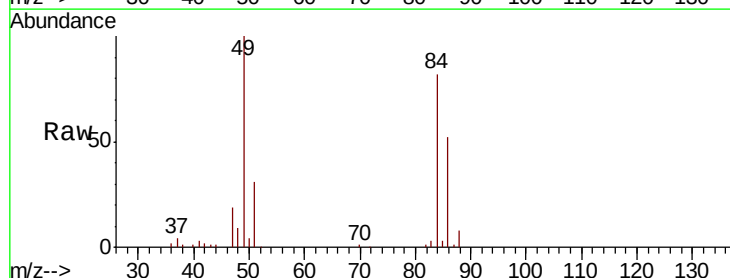
Tgt Ion: 41 Resp: 9987

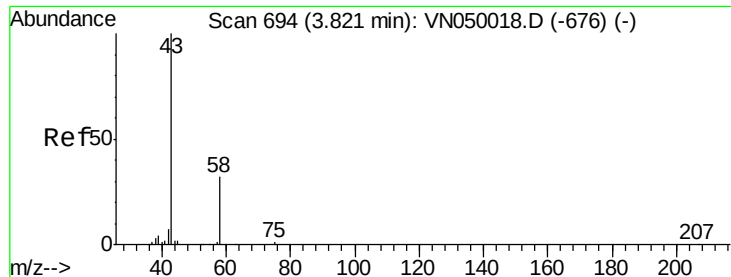
Ion Ratio Lower Upper

41 100

39 0.0 54.2 81.4#

76 0.0 29.0 43.6#





#16

Acetone

Concen: 16.49 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampleId :

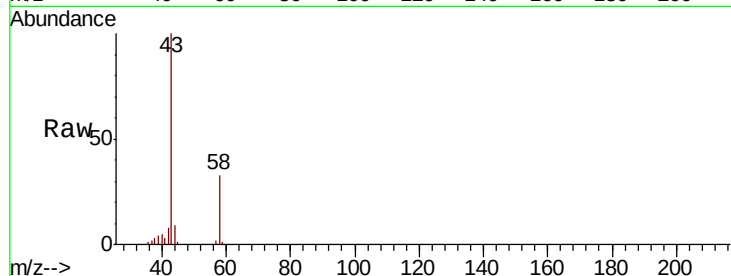
C-12

Tot Ion: 43 Resp: 44225

Ion Ratio Lower Upper

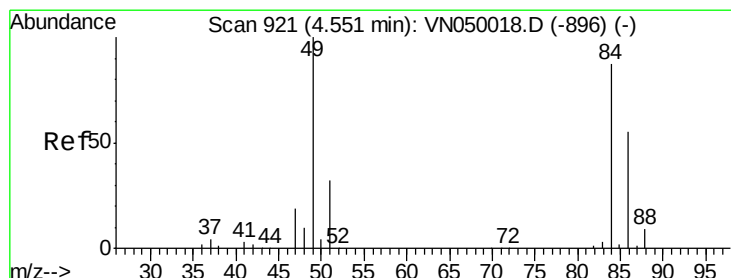
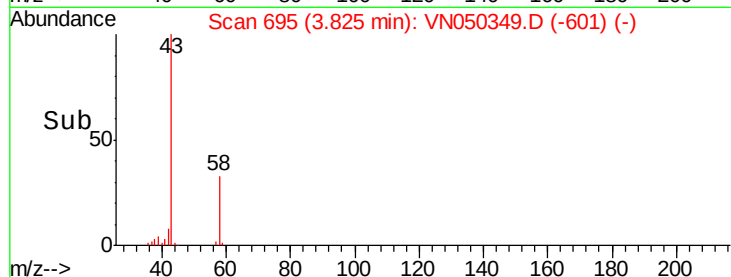
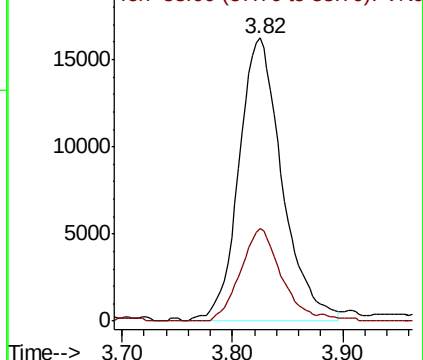
43 100

58 32.8 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)



#20

Methylene Chloride

Concen: 33.52 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Tgt Ion: 84 Resp: 274993

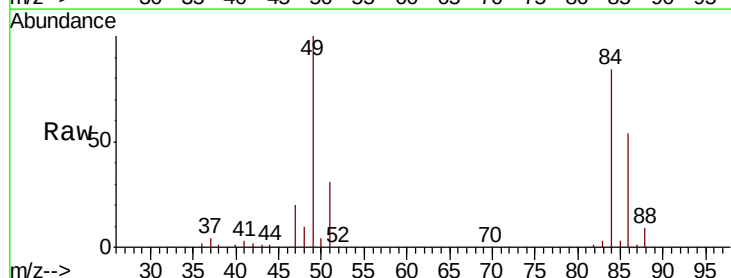
Ion Ratio Lower Upper

84 100

49 118.7 94.8 142.2

51 36.6 28.3 42.5

86 64.0 51.0 76.6

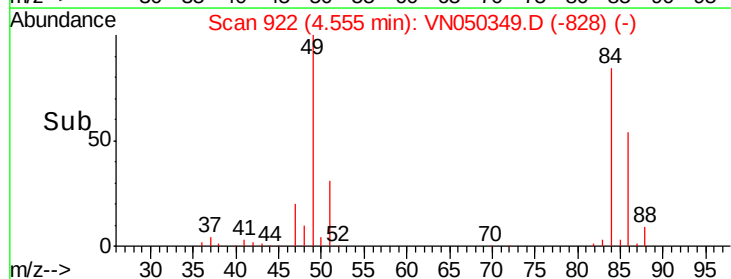
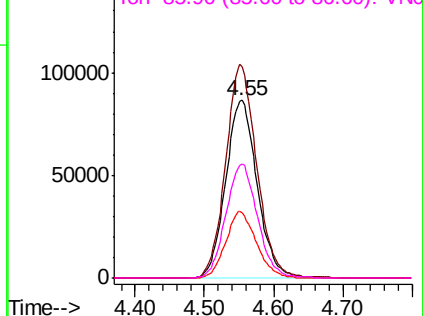


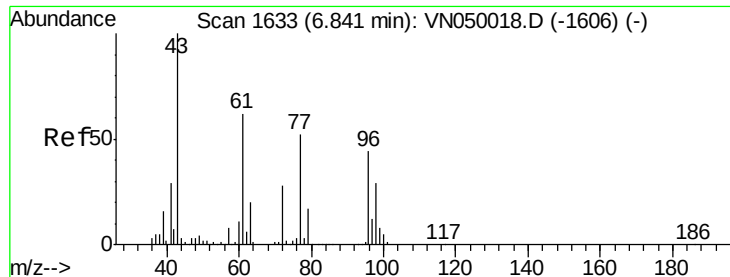
Abundance Ion 83.90 (83.60 to 84.60): VN050018.D (-896) (-)

Ion 48.90 (48.60 to 49.60): VN050018.D (-896) (-)

Ion 50.90 (50.60 to 51.60): VN050018.D (-896) (-)

Ion 85.90 (85.60 to 86.60): VN050018.D (-896) (-)

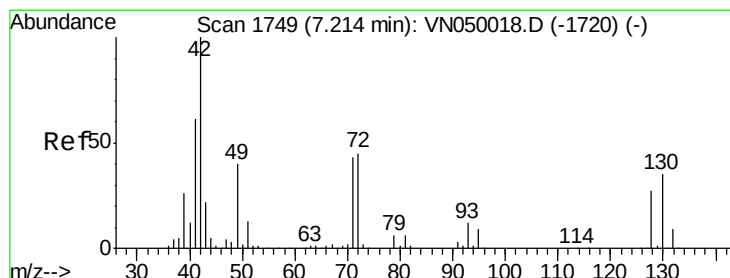
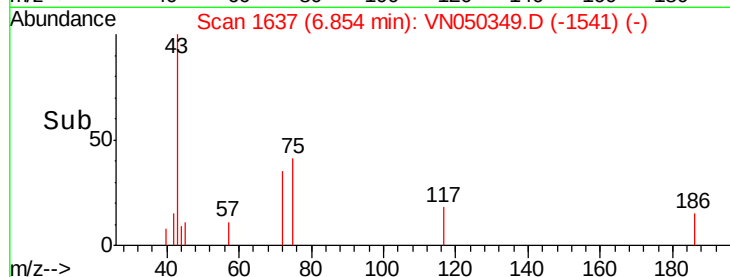
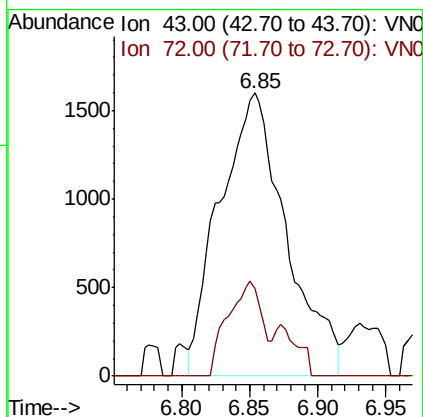
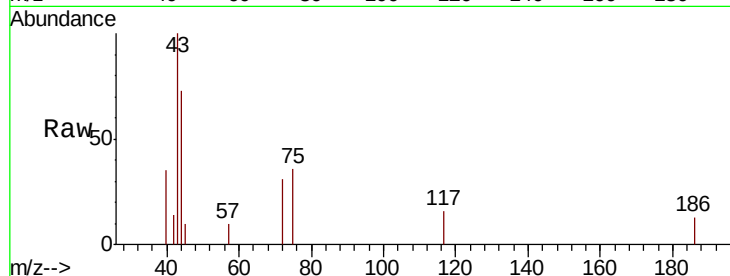




#25
2-Butanone
Concen: 1.56 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

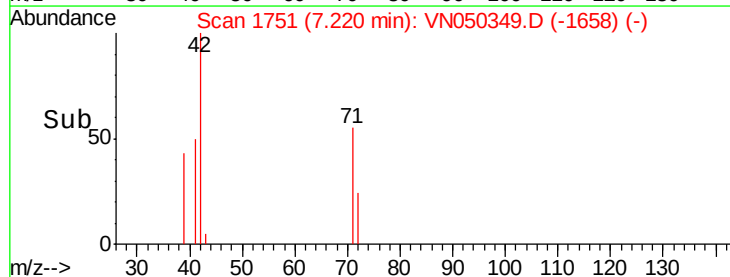
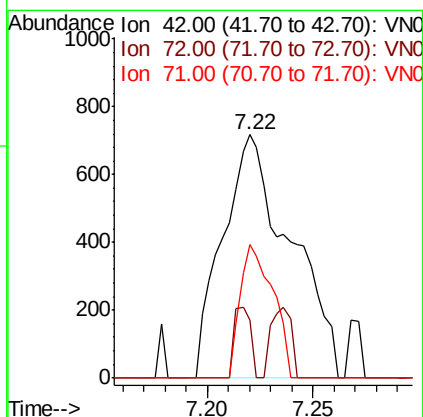
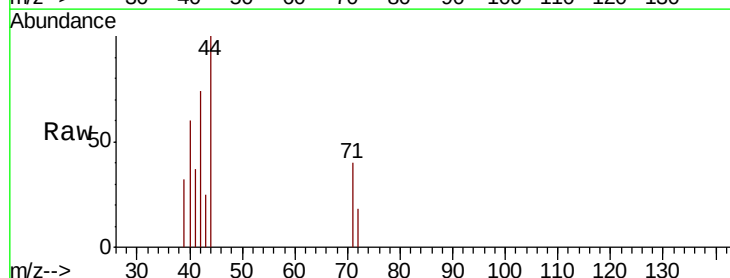
Instrument :
MSVOA_N
ClientSampled :
C-12

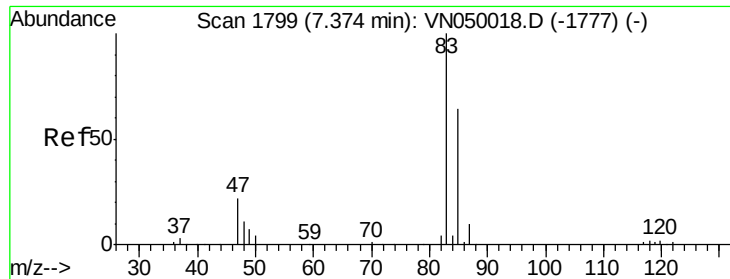
Tot Ion: 43 Resp: 5439
Ion Ratio Lower Upper
43 100
72 34.0 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.71 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

Tgt Ion: 42 Resp: 1597
Ion Ratio Lower Upper
42 100
72 7.1 35.9 53.9#
71 26.5 33.7 50.5#

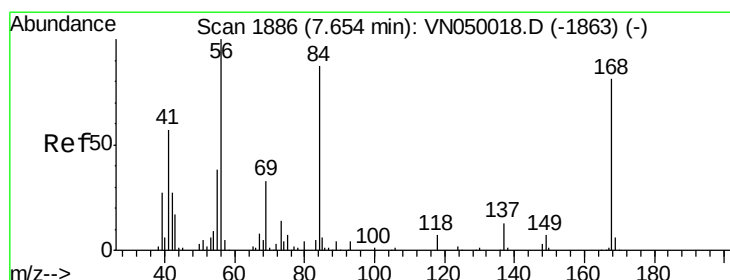
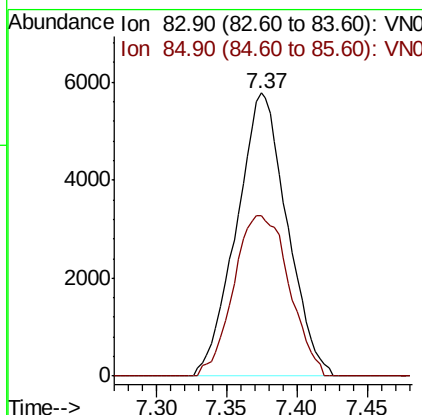
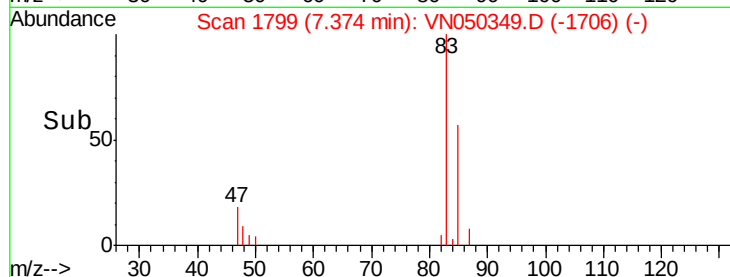
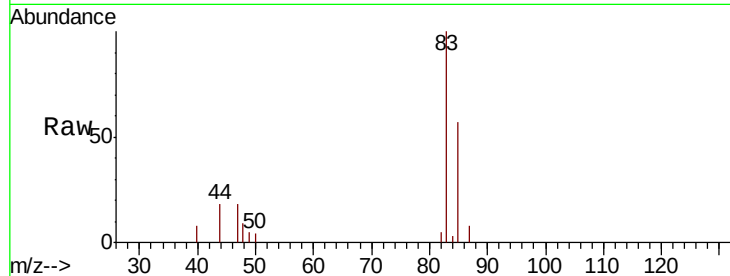




#30
Chloroform
Concen: 0.93 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

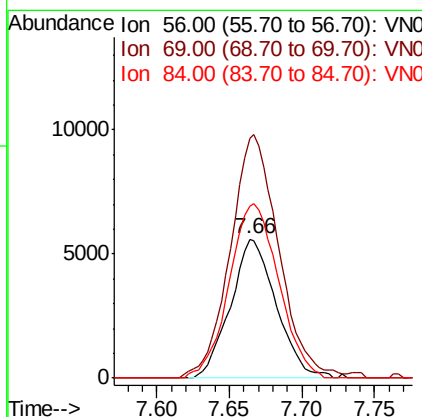
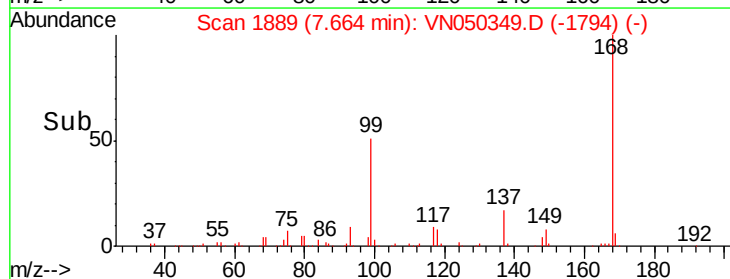
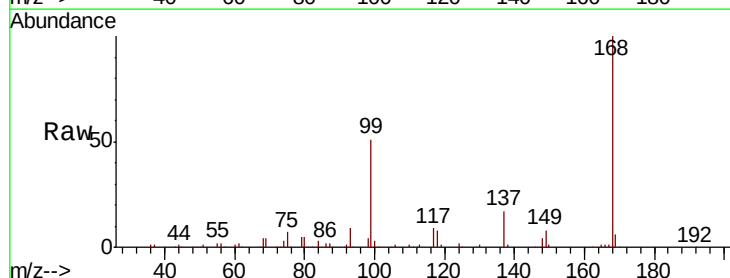
Instrument :
MSVOA_N
ClientSampleId :
C-12

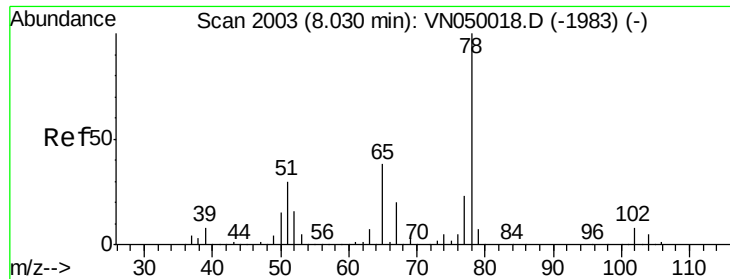
Tot Ion: 83 Resp: 14473
Ion Ratio Lower Upper
83 100
85 56.8 52.5 78.7



#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

Tgt Ion: 56 Resp: 12252
Ion Ratio Lower Upper
56 100
69 168.0 26.2 39.4#
84 123.9 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 49.85 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampleId :

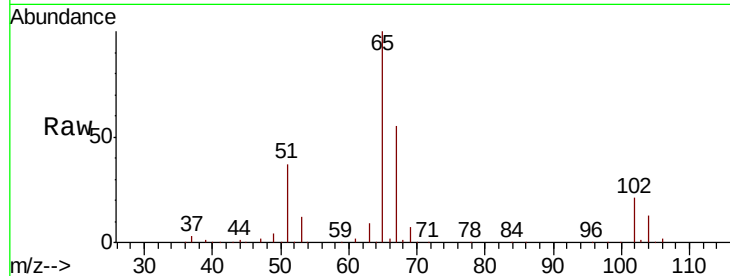
C-12

Tot Ion: 65 Resp: 455604

Ion Ratio Lower Upper

65 100

67 54.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

150000

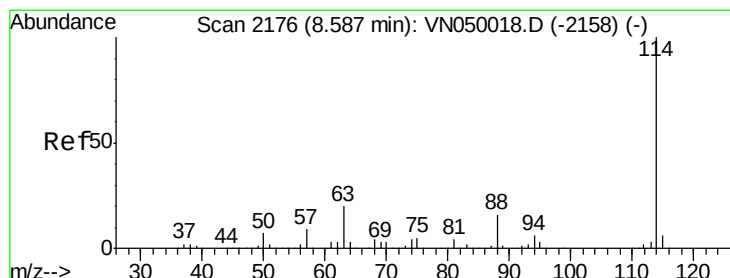
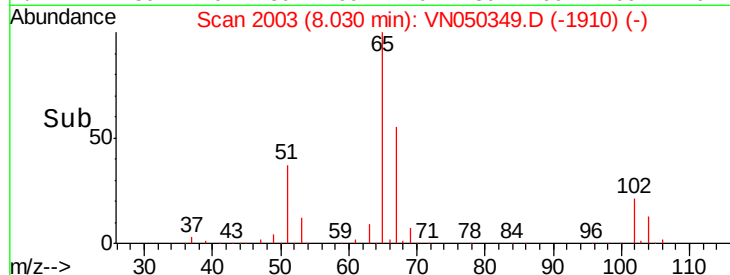
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

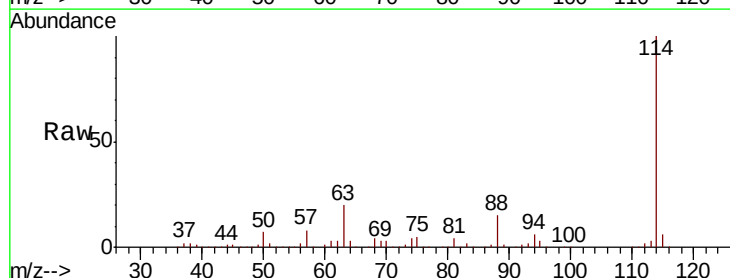
Tgt Ion: 114 Resp: 1076551

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.0 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

600000

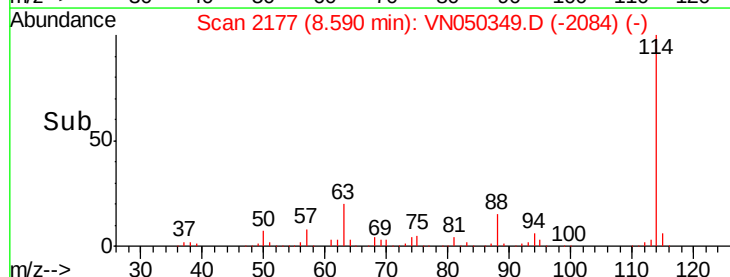
400000

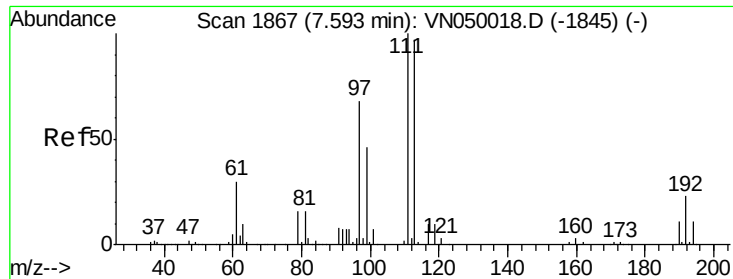
200000

0

8.50 8.60 8.70

Time-->

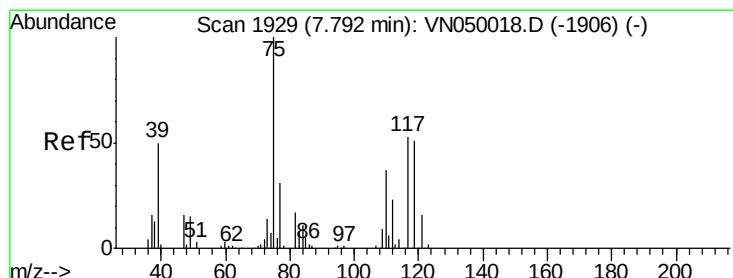
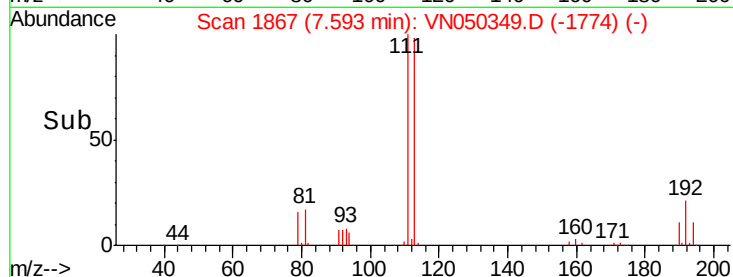
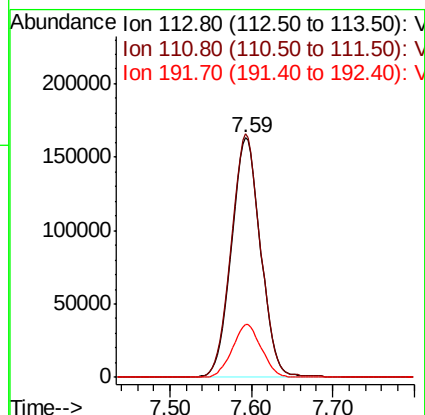
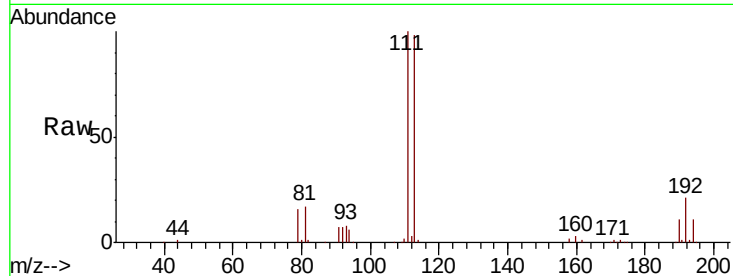




#35
 Dibromofluoromethane
 Concen: 46.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050349.D
 Acq: 4 Aug 2018 7:08

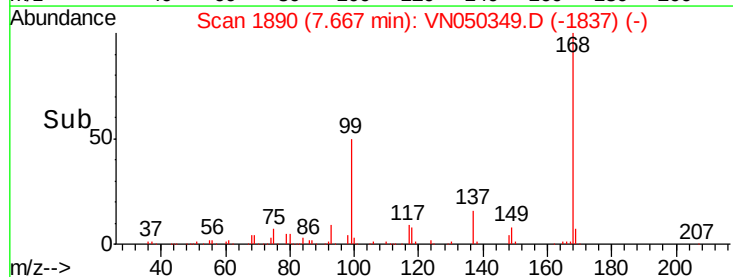
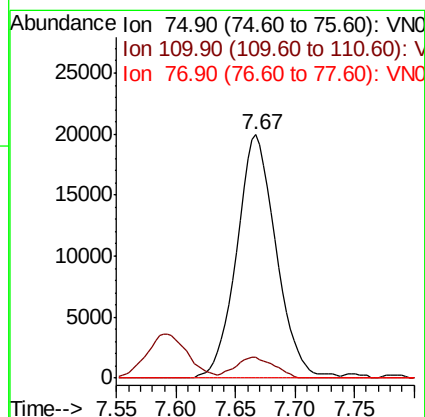
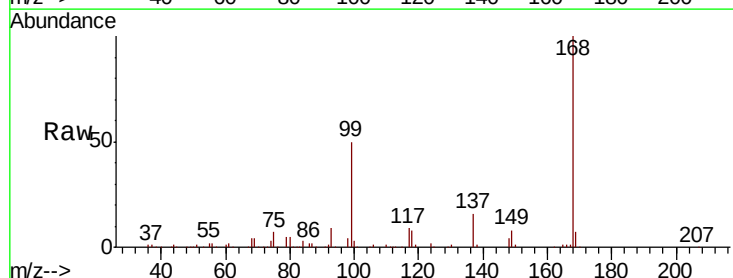
Instrument :
 MSVOA_N
 ClientSampleId :
 C-12

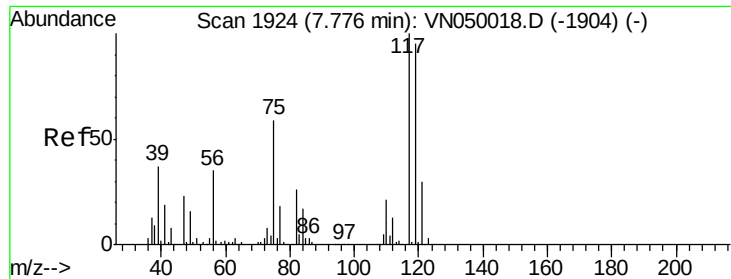
Tot Ion:113 Resp: 409025
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.7 121.1
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050349.D
 Acq: 4 Aug 2018 7:08

Tgt Ion: 75 Resp: 45684
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.2#
 77 0.0 25.3 37.9#

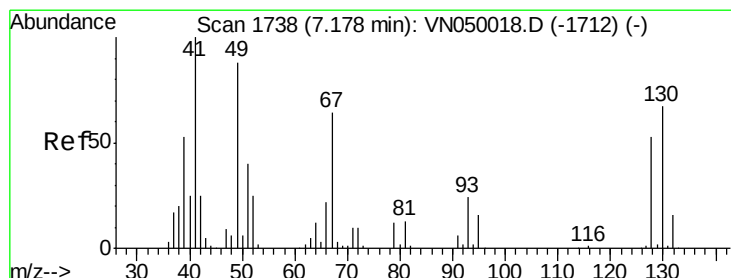
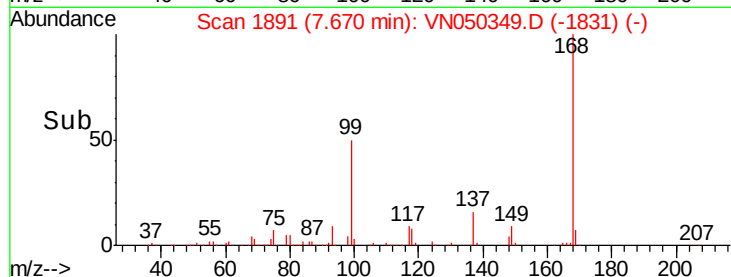
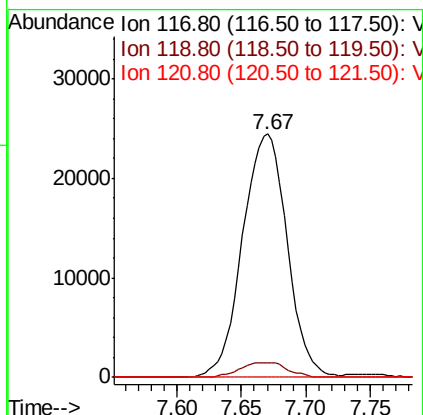
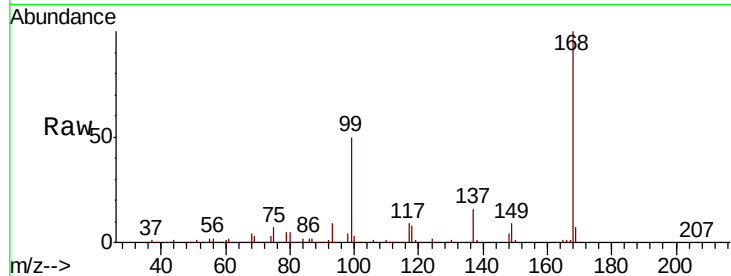




#38
Carbon Tetrachloride
Concen: 4.57 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

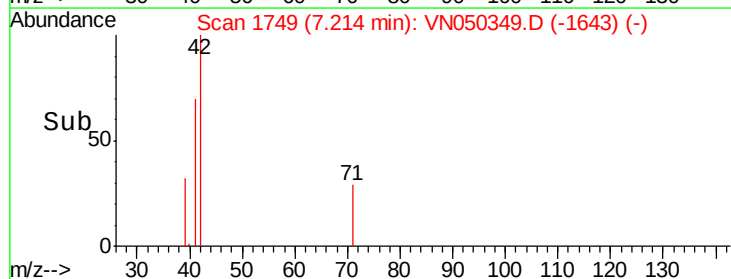
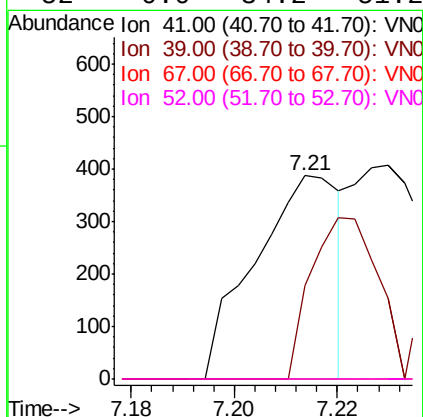
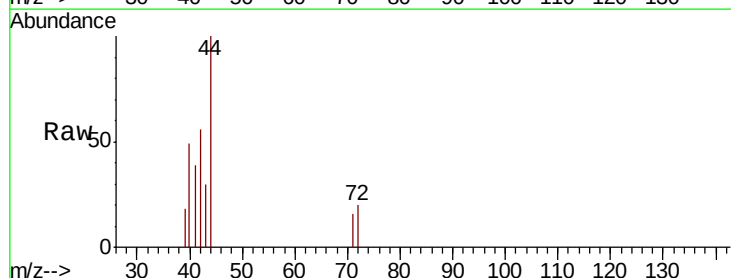
Instrument :
MSVOA_N
ClientSampled :
C-12

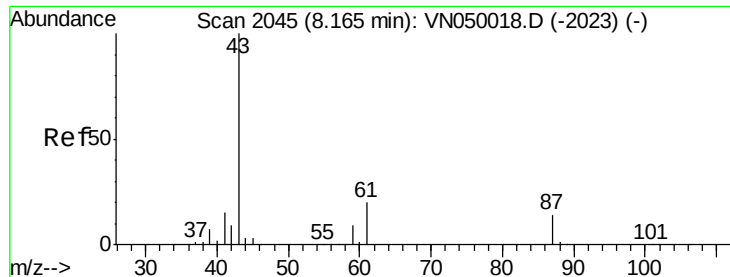
Tot Ion:117 Resp: 58813
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 2.84 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

Tgt Ion: 41 Resp: 442
Ion Ratio Lower Upper
41 100
39 68.8 55.8 83.6
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 10.56 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

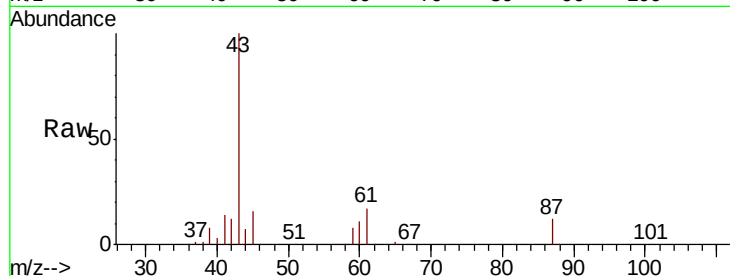
MSVOA_N

ClientSampled :

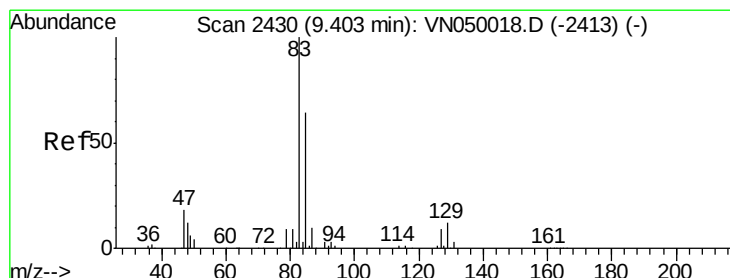
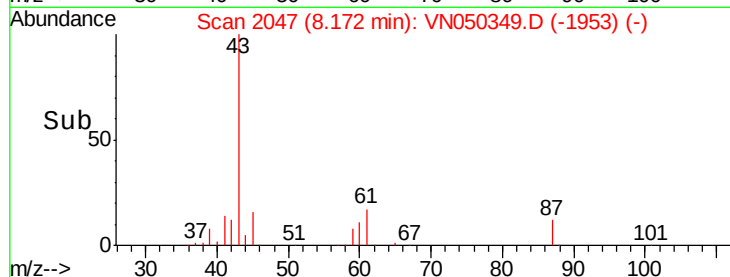
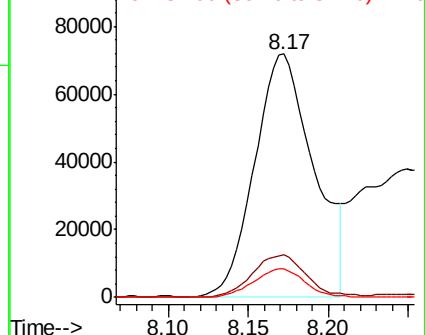
C-12

Tot Ion: 43 Resp: 182616

Ion	Ratio	Lower	Upper
43	100		
61	16.1	15.8	23.6
87	10.3	10.3	15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#47

Bromodichloromethane

Concen: 0.23 ug/l

RT: 9.40 min Scan# 2430

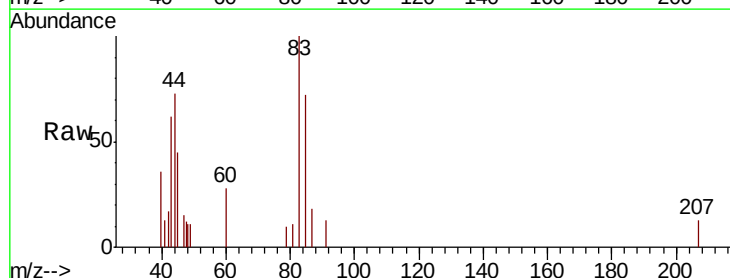
Delta R.T. -0.00 min

Lab File: VN050349.D

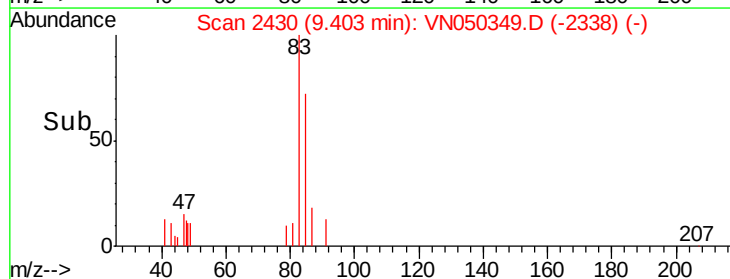
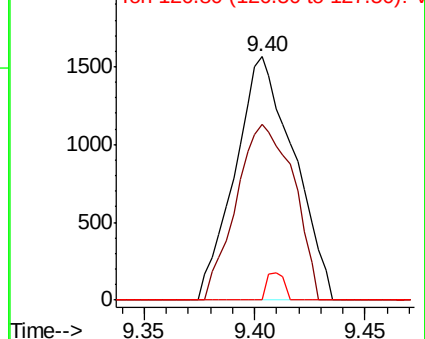
Acq: 4 Aug 2018 7:08

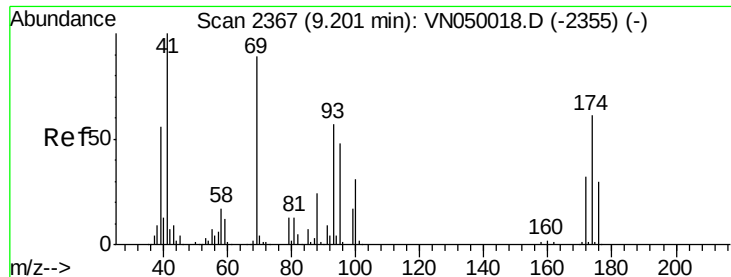
Tgt Ion: 83 Resp: 2890

Ion	Ratio	Lower	Upper
83	100		
85	72.3	51.1	76.7
127	0.0	7.0	10.4#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

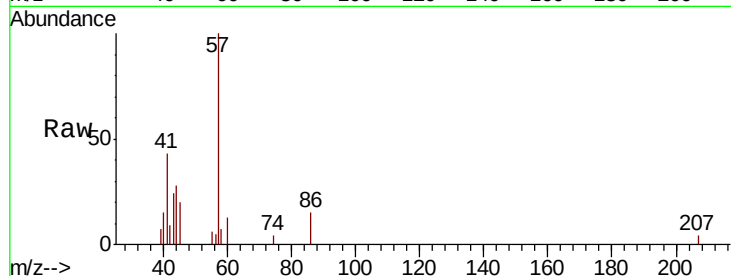




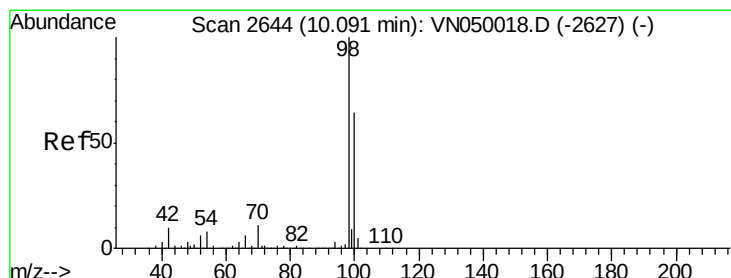
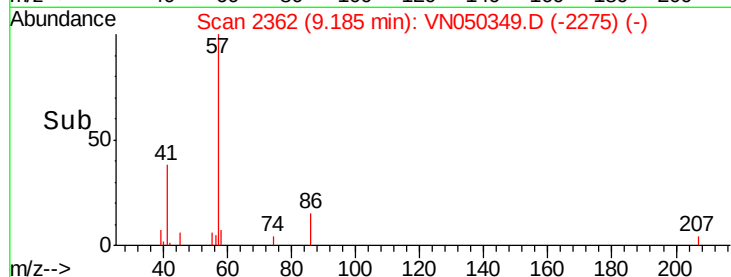
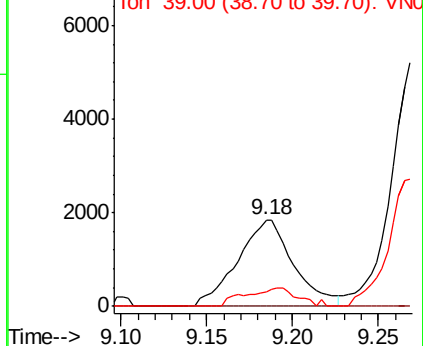
#48
Methvl methacrylate
Concen: 0.57 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

Instrument :
MSVOA_N
ClientSampled :
C-12

Tot Ion: 41 Resp: 4159
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 13.3 43.9 65.9#

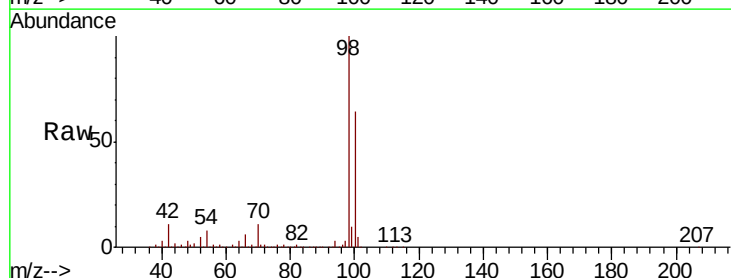


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

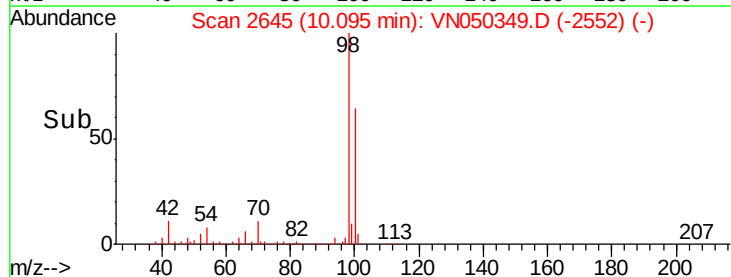
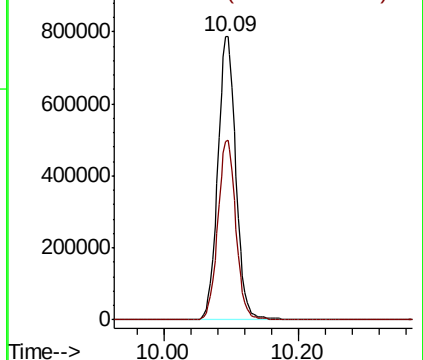


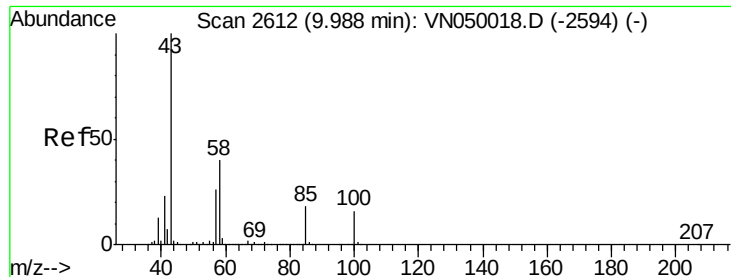
#50
Toluene-d8
Concen: 45.74 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

Tgt Ion: 98 Resp: 1478178
Ion Ratio Lower Upper
98 100
100 63.3 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: 0.41 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampled :

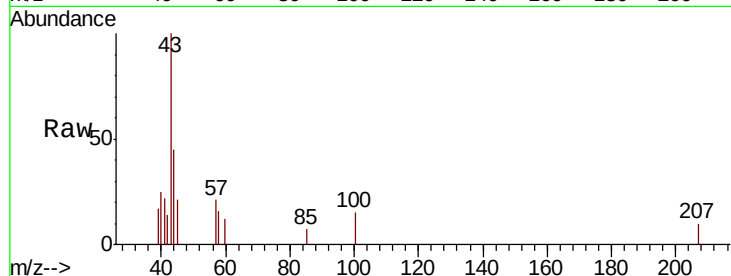
C-12

Tot Ion: 43 Resp: 3387

Ion Ratio Lower Upper

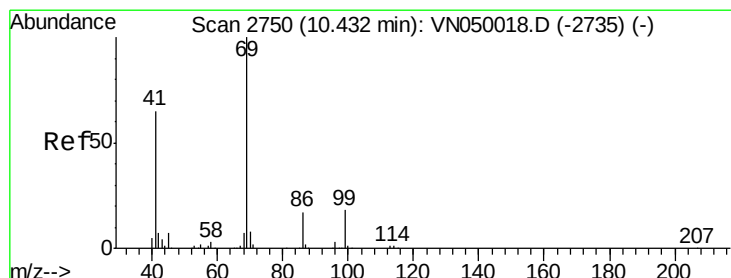
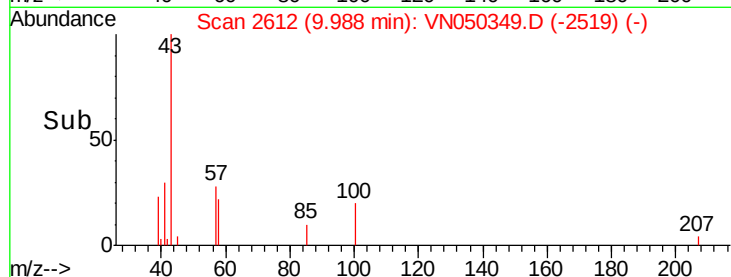
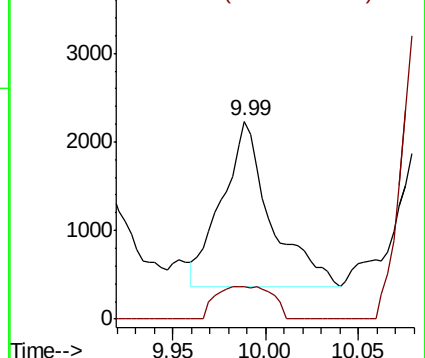
43 100

58 23.1 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: 2.04 ug/l

RT: 10.28 min Scan# 2703

Delta R.T. -0.15 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

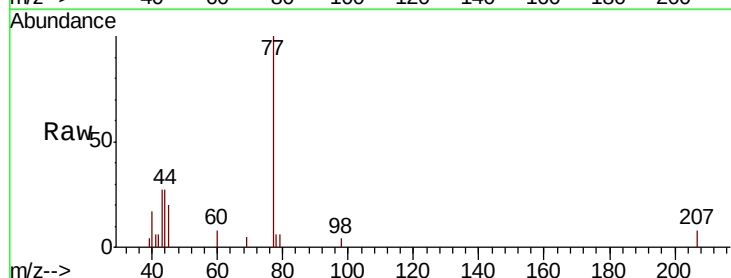
Tgt Ion: 69 Resp: 131

Ion Ratio Lower Upper

69 100

41 290.8 51.0 76.4#

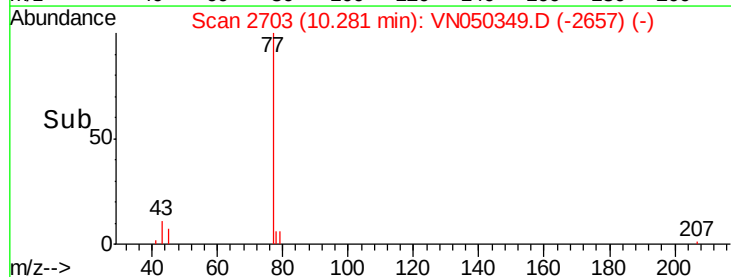
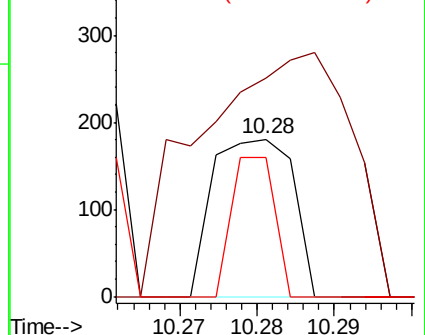
39 47.3 26.6 40.0#

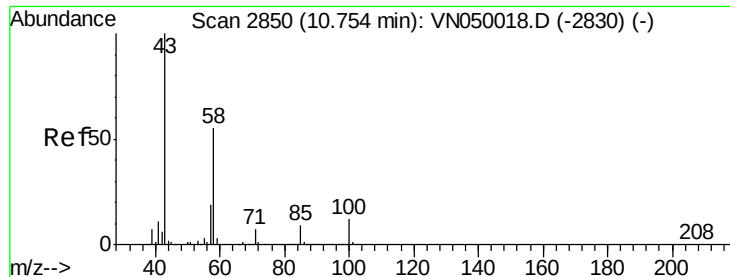


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 6.19 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampled :

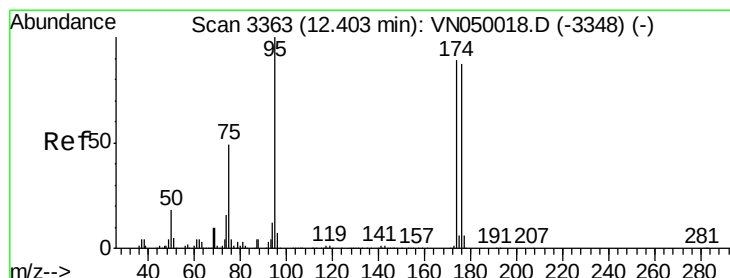
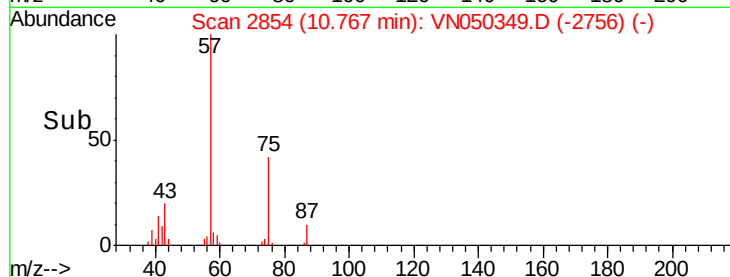
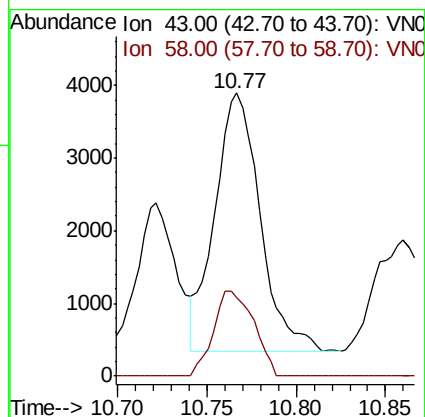
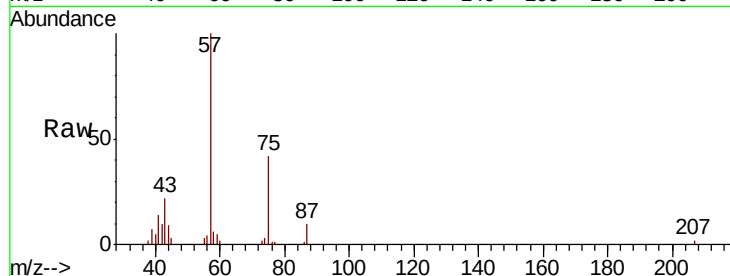
C-12

Tot Ion: 43 Resp: 6310

Ion Ratio Lower Upper

43 100

58 29.0 27.6 82.7



#62

4-Bromofluorobenzene

Concen: 41.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

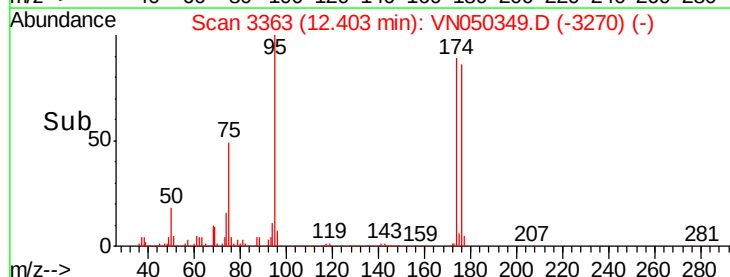
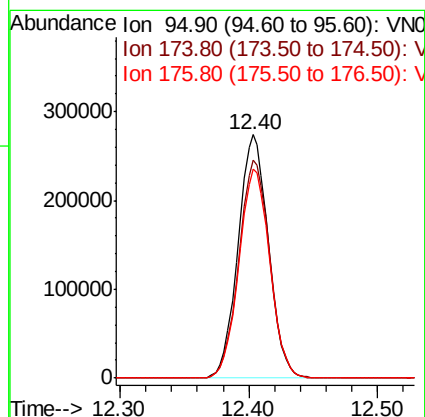
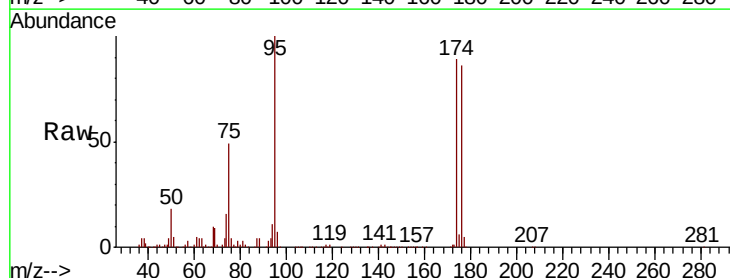
Tgt Ion: 95 Resp: 446399

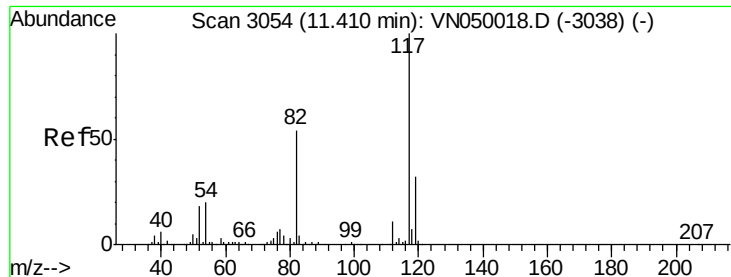
Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

176 87.9 0.0 173.4

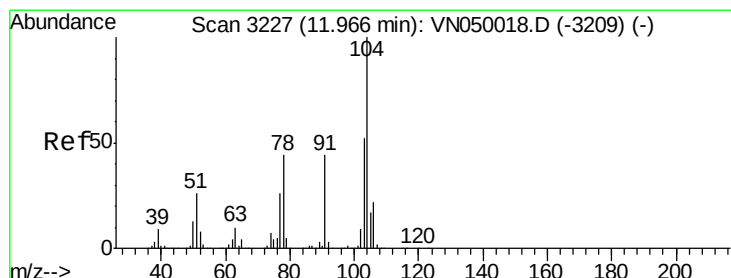
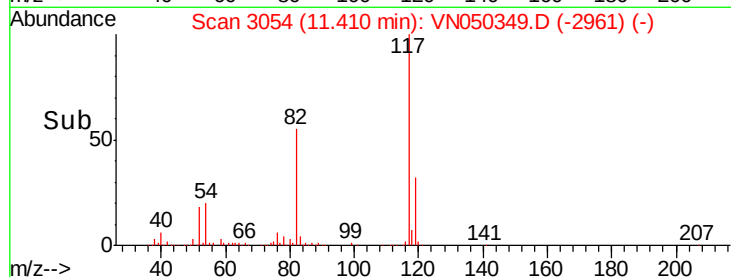
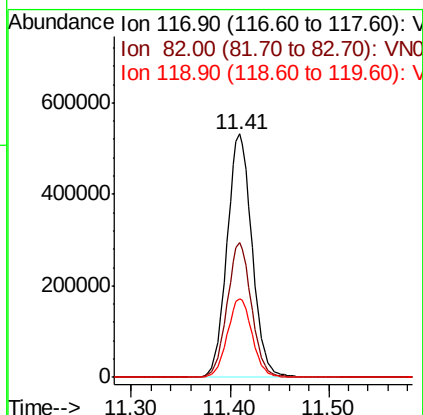
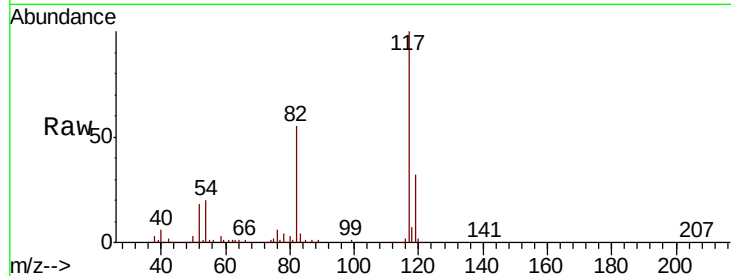




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

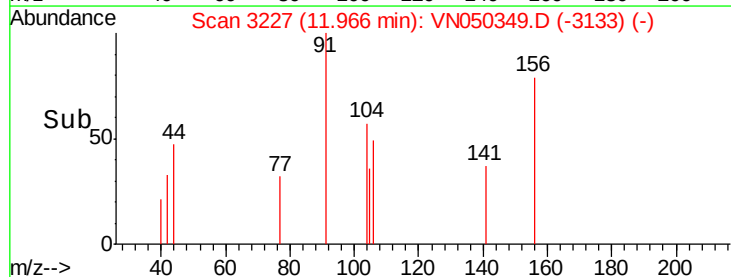
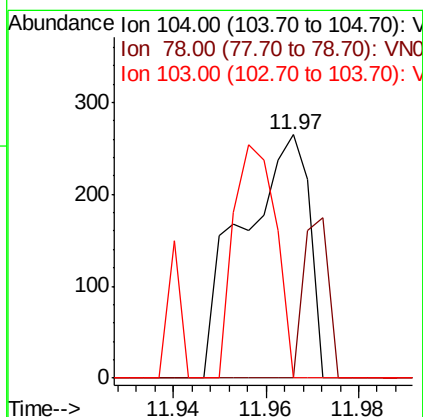
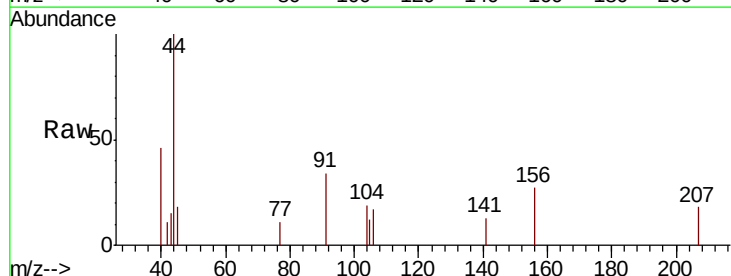
Instrument :
MSVOA_N
ClientSampled :
C-12

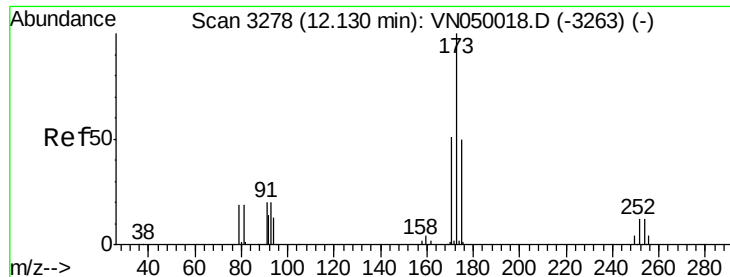
Tot Ion:117 Resp: 942566
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 32.5 26.1 39.1



#70
Styrene
Concen: 0.93 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

Tgt Ion:104 Resp: 266
Ion Ratio Lower Upper
104 100
78 24.4 39.3 58.9#
103 60.2 45.0 67.6





#71

Bromoform

Concen: 0.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampled :

C-12

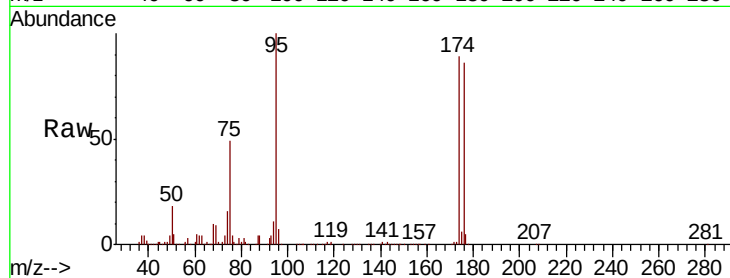
Tot Ion:173 Resp: 3769

Ion Ratio Lower Upper

173 100

175 704.0 24.1 72.2#

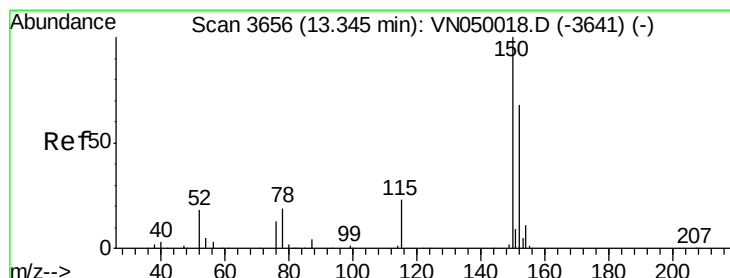
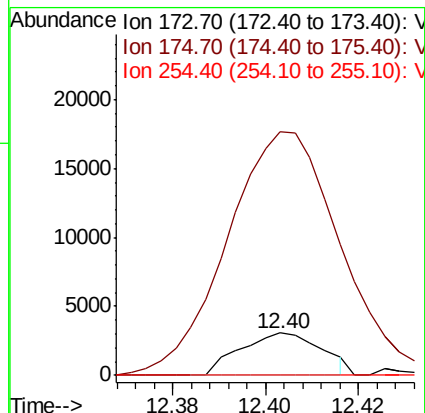
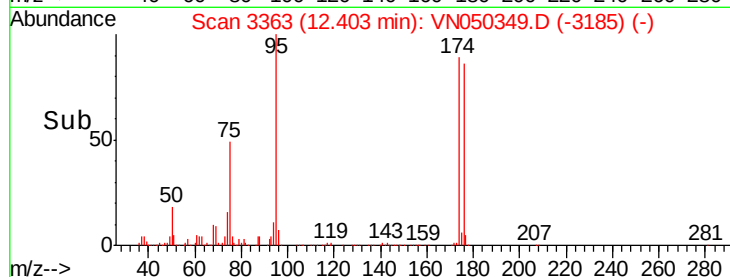
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN050349.D

Acq: 4 Aug 2018 7:08

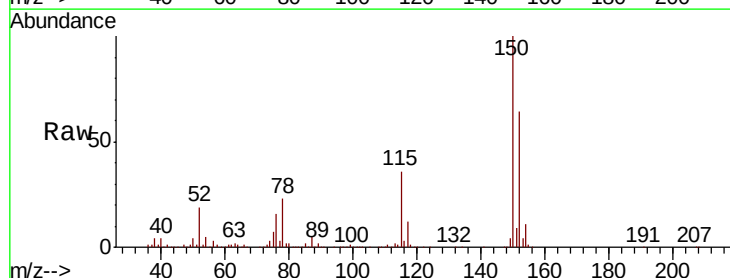
Tgt Ion:152 Resp: 407799

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

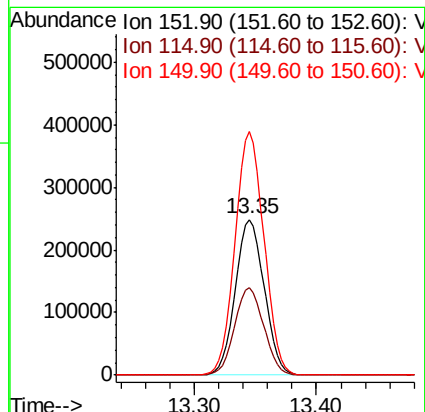
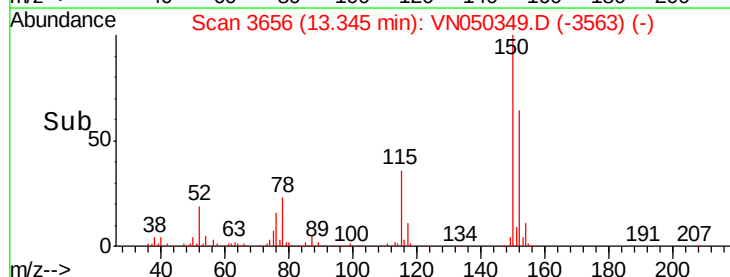
150 157.0 0.0 348.6

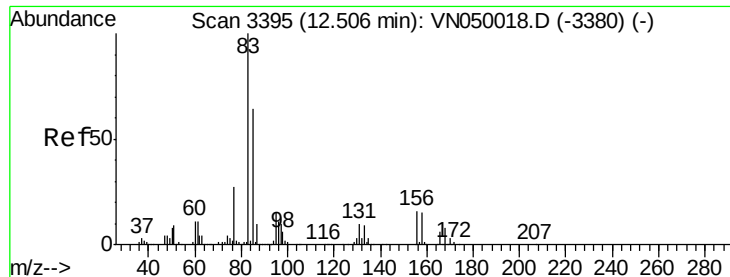


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3361

Delta R.T. -0.11 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampled :

C-12

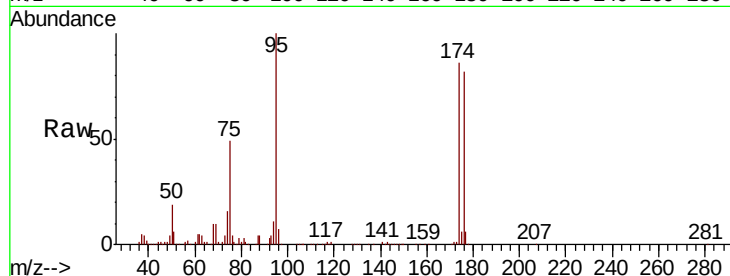
Tot Ion: 83 Resp: 152

Ion Ratio Lower Upper

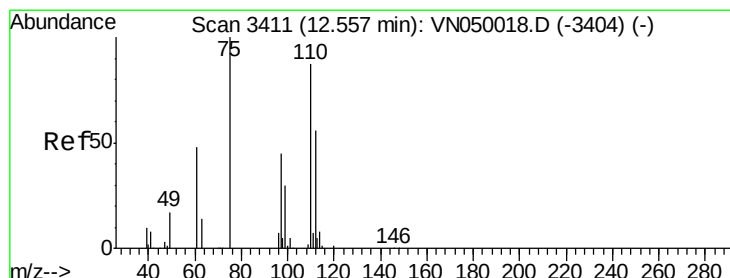
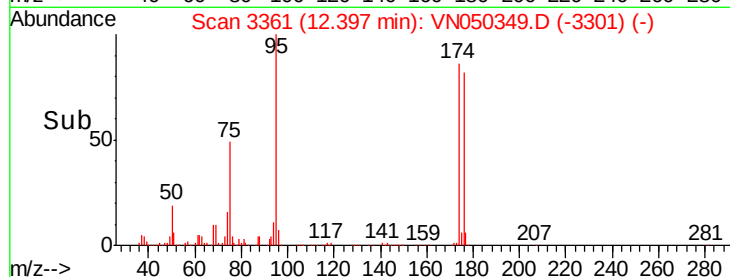
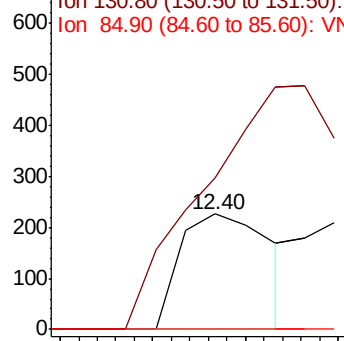
83 100

131 411.8 5.1 15.3#

85 0.0 32.3 96.8#



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



#76

1,2,3-Trichloropropane

Concen: 28.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050349.D

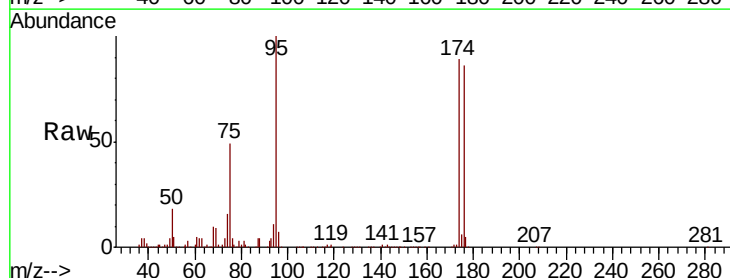
Acq: 4 Aug 2018 7:08

Tgt Ion: 75 Resp: 219133

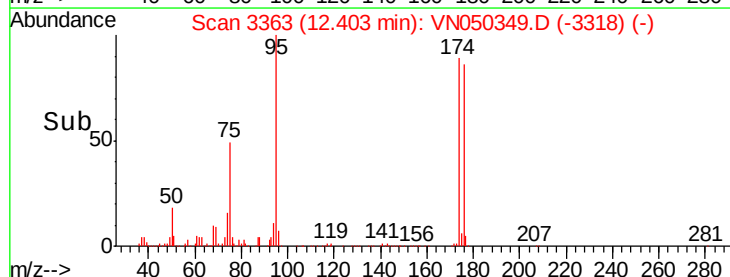
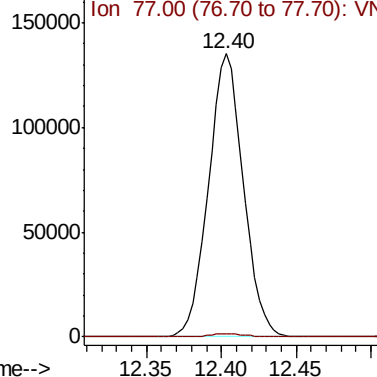
Ion Ratio Lower Upper

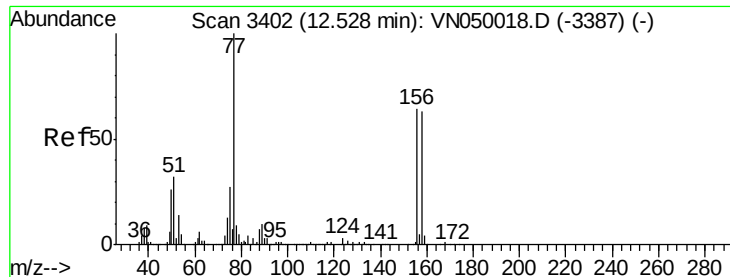
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.25 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampled :

C-12

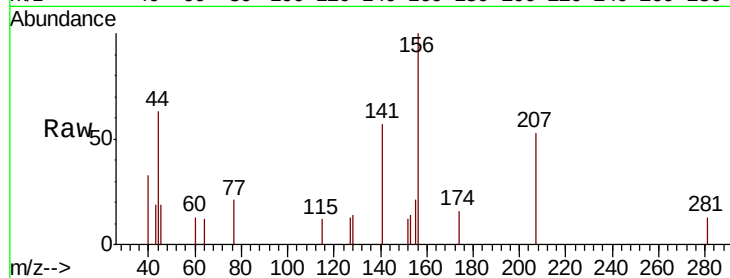
Tot Ion:156 Resp: 2177

Ion Ratio Lower Upper

156 100

77 12.2 91.7 275.1#

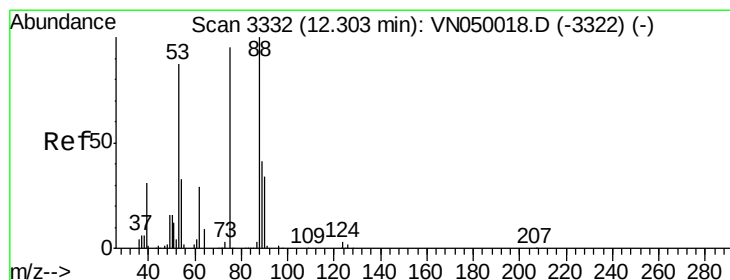
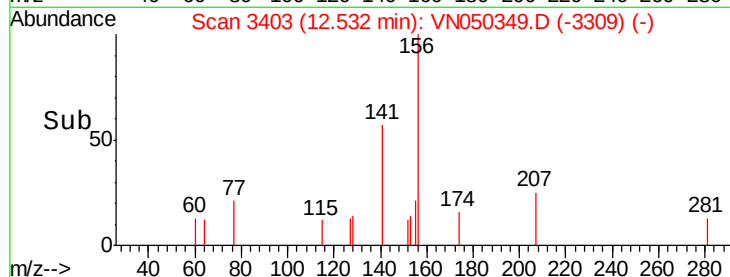
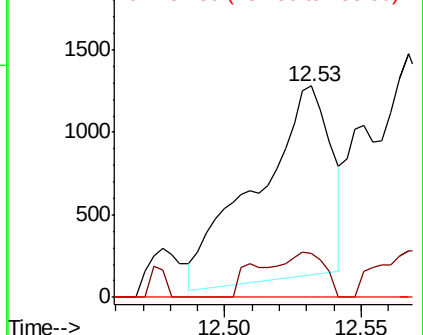
158 0.0 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 91.71 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

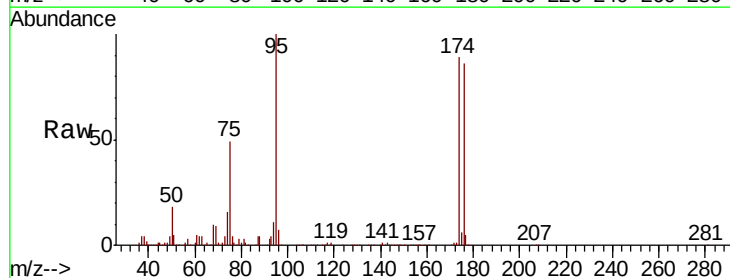
Tgt Ion: 75 Resp: 219133

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

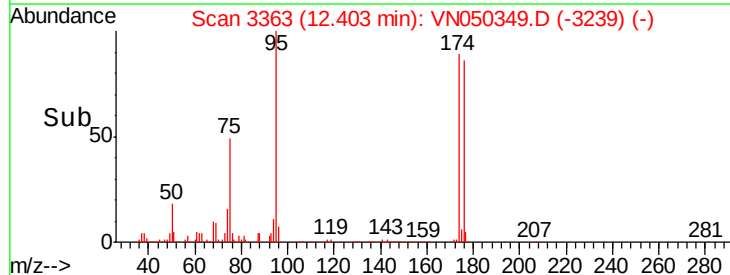
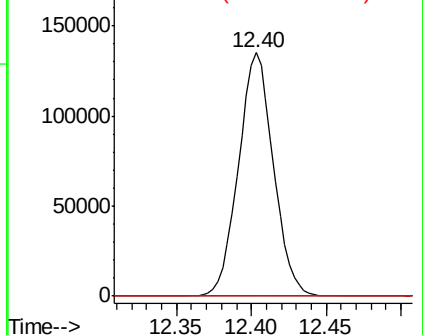
89 0.0 36.0 54.0#

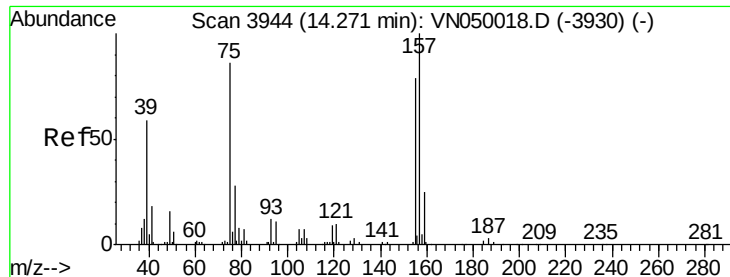


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.49 min Scan# 4013

Delta R.T. 0.22 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

Instrument :

MSVOA_N

ClientSampled :

C-12

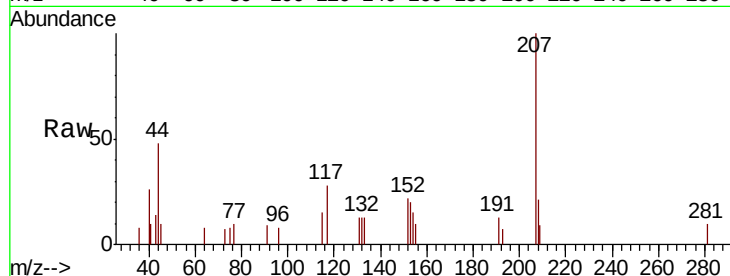
Tot Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

155 177.9 44.8 134.4#

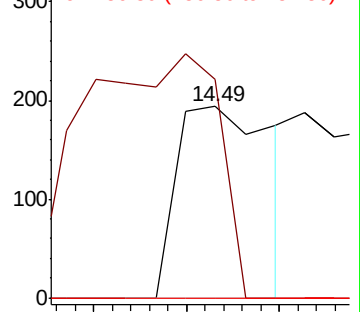
157 0.0 57.2 171.6#



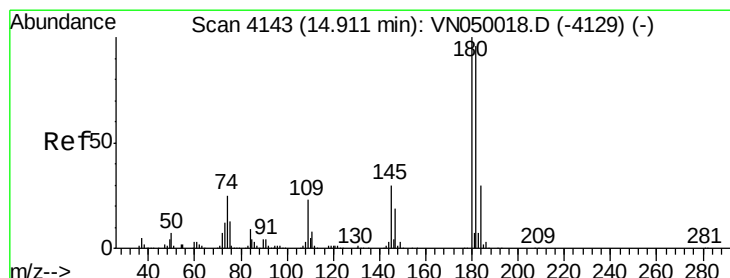
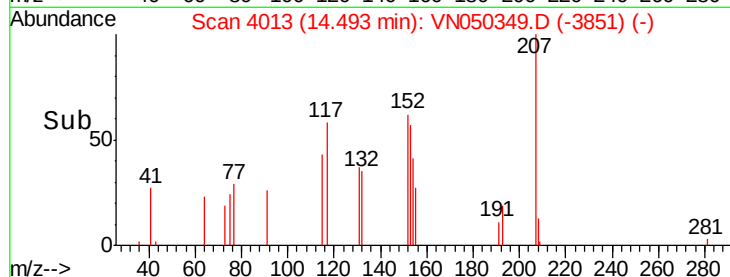
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.10 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.01 min

Lab File: VN050349.D

Acq: 4 Aug 2018 7:08

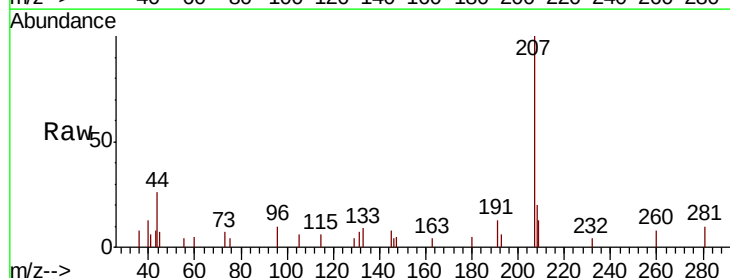
Tgt Ion: 180 Resp: 94

Ion Ratio Lower Upper

180 100

182 31.9 46.7 140.1#

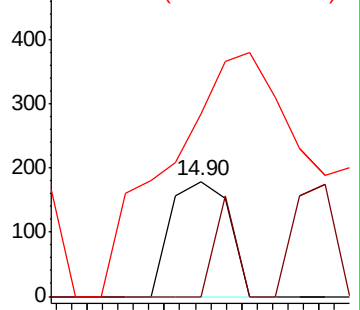
145 595.7 13.8 41.4#



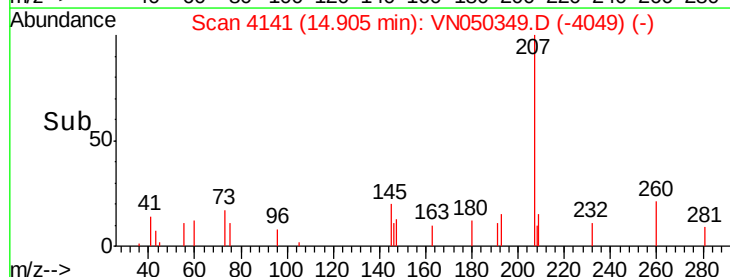
Abundance Ion 179.80 (179.50 to 180.50): V

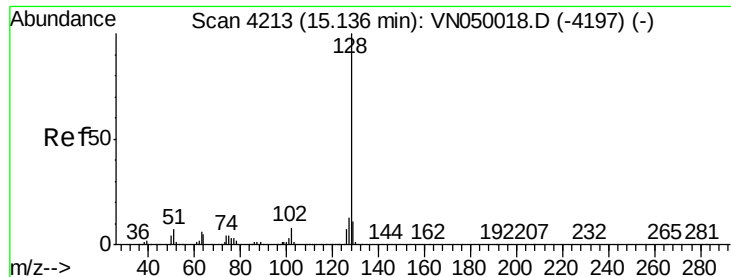
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->

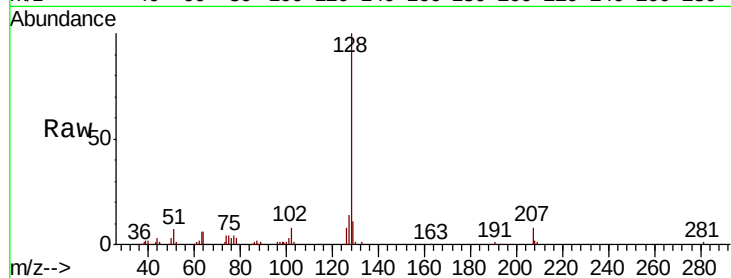




#95
Naphthalene
Concen: 8.94 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050349.D
Acq: 4 Aug 2018 7:08

Instrument :
MSVOA_N
ClientSampleId :
C-12

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.2	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

