

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050347.D
 Acq On : 4 Aug 2018 6:18
 Operator : MD\SY
 Sample : J4313-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-10

Quant Time: Aug 04 06:41:48 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	642809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1057945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	896076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	365969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	449179	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.59	113	400018	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
50) Toluene-d8	10.09	98	1445082	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
62) 4-Bromofluorobenzene	12.40	95	412618	39.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.92%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3793	0.38	ug/l	95
5) Bromomethane	2.57	94	4043	Below	Cal	94
11) Tert butyl alcohol	4.80	59	146	0.22	ug/l #	72
13) Acrolein	3.60	56	453	0.85	ug/l #	80
14) Allyl chloride	4.55	41	48791	4.25	ug/l #	24
16) Acetone	3.83	43	37409	13.60	ug/l	98
20) Methylene Chloride	4.55	84	1429915	183.16	ug/l	99
25) 2-Butanone	6.85	43	5422	1.58	ug/l #	86
29) Tetrahydrofuran	7.22	42	700	0.32	ug/l #	68
30) Chloroform	7.37	83	7795	0.51	ug/l	96
31) Cyclohexane	7.67	56	11987	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44418	3.73	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56345	4.46	ug/l #	17
41) Methacrylonitrile	7.23	41	753	2.91	ug/l #	21
43) Isopropyl Acetate	8.17	43	266194	16.23	ug/l	95
48) Methyl methacrylate	9.18	41	5974	0.83	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	2619	0.32	ug/l #	85
52) Toluene	10.16	92	16572	0.77	ug/l	99
56) Ethyl methacrylate	10.28	69	94	2.04	ug/l #	1
59) 2-Hexanone	10.77	43	14261	7.50	ug/l #	57
67) Ethyl Benzene	11.51	91	30088	0.83	ug/l	98
68) m/p-Xylenes	11.62	106	25737	1.87	ug/l	94
69) o-Xylene	11.95	106	11821	0.90	ug/l	93
70) Styrene	11.97	104	11452	1.41	ug/l	97
71) Bromoform	12.40	173	3726	0.59	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	146	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	200910	29.54	ug/l #	100
77) Bromobenzene	12.54	156	1629	0.21	ug/l #	1
78) n-propylbenzene	12.59	91	10988	0.35	ug/l	99
79) 2-Chlorotoluene	12.66	91	5522	0.28	ug/l #	47
80) 1,3,5-Trimethylbenzene	12.73	105	22902	1.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	200910	93.70	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	76762	3.41	ug/l	100
86) p-Isopropyltoluene	13.23	119	4420	0.20	ug/l	95

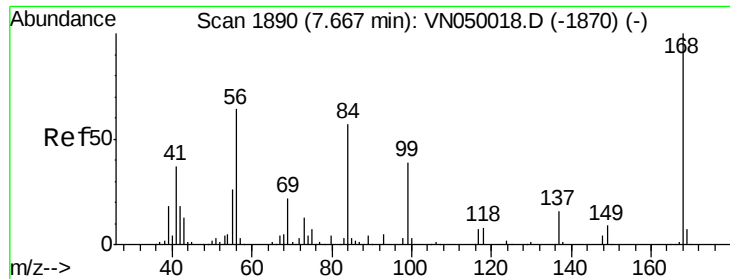
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
Data File : VN050347.D
Acq On : 4 Aug 2018 6:18
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Quant Time: Aug 04 06:41:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.89	117	4386	0.90	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	263	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	8415	4.20	ug/l #	68
95) Naphthalene	15.14	128	693643	42.25	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1432	2.40	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampleId :

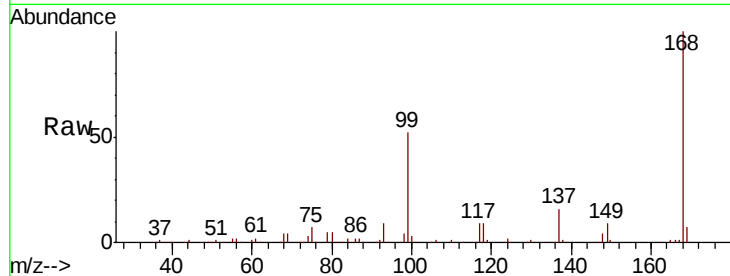
C-10

Tot Ion:168 Resp: 642809

Ion Ratio Lower Upper

168 100

99 52.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

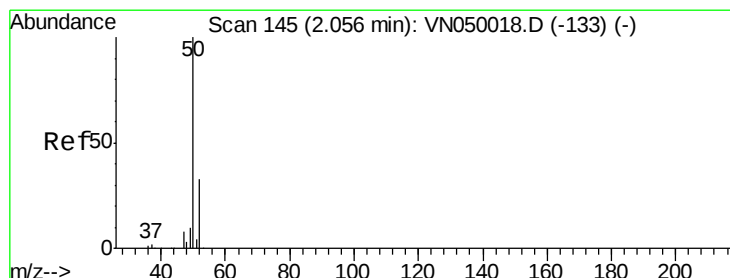
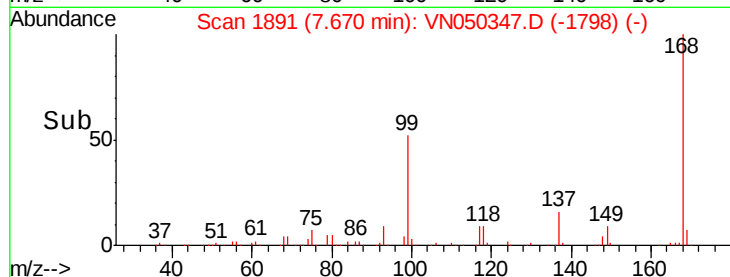
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.38 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050347.D

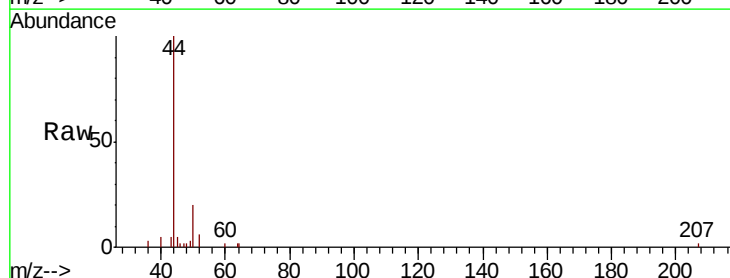
Acq: 4 Aug 2018 6:18

Tgt Ion: 50 Resp: 3793

Ion Ratio Lower Upper

50 100

52 29.3 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

2500

2000

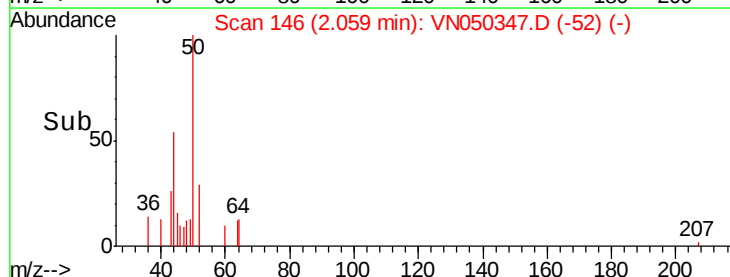
1500

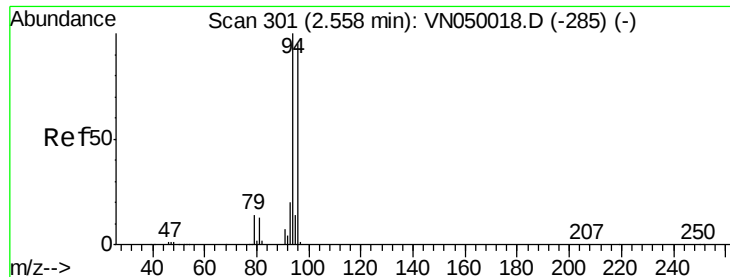
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampleId :

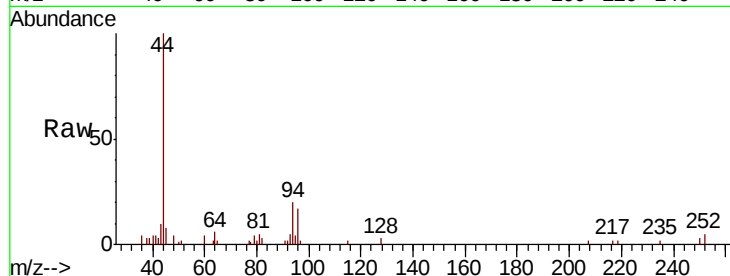
C-10

Tot Ion: 94 Resp: 4043

Ion Ratio Lower Upper

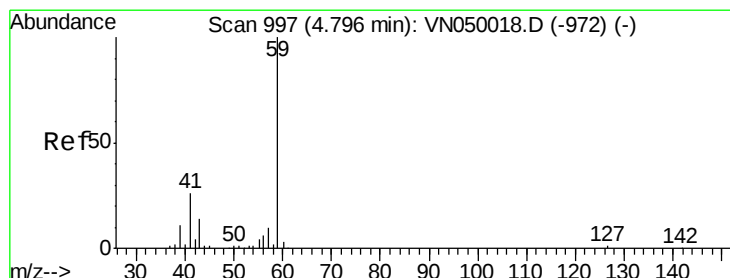
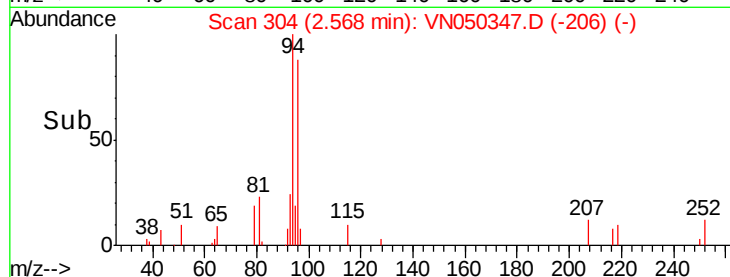
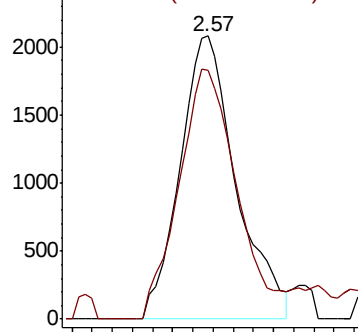
94 100

96 87.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.22 ug/l

RT: 4.80 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN050347.D

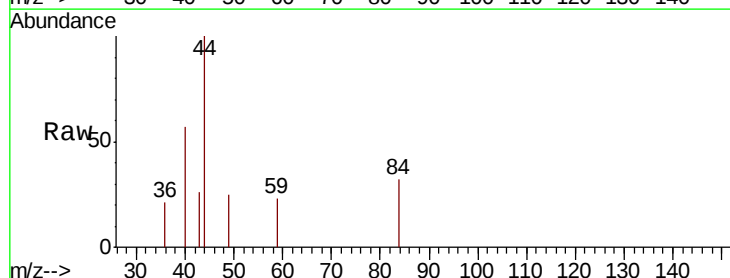
Acq: 4 Aug 2018 6:18

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

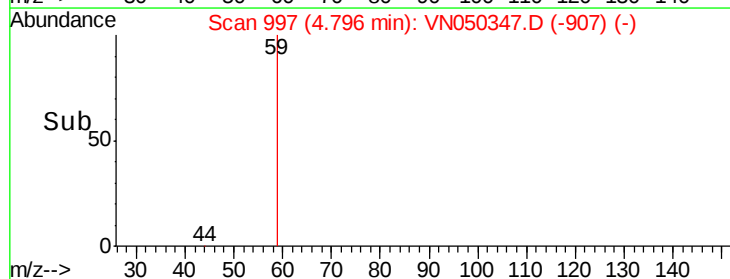
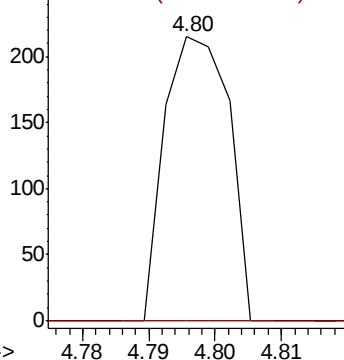
59 100

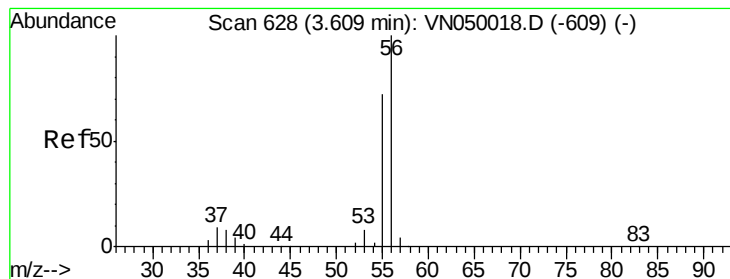
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.85 ug/l

RT: 3.60 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampled :

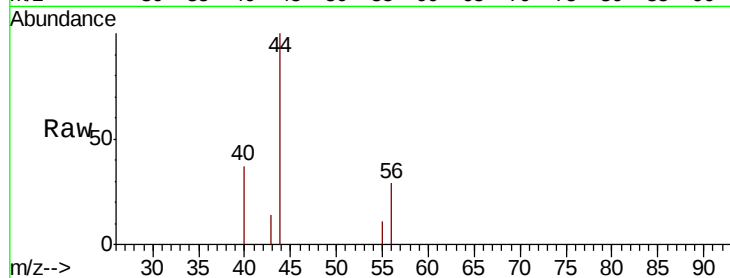
C-10

Tot Ion: 56 Resp: 453

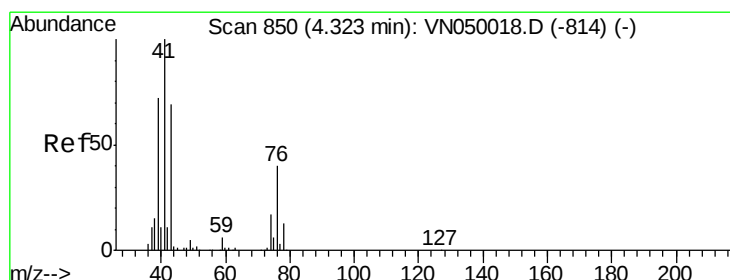
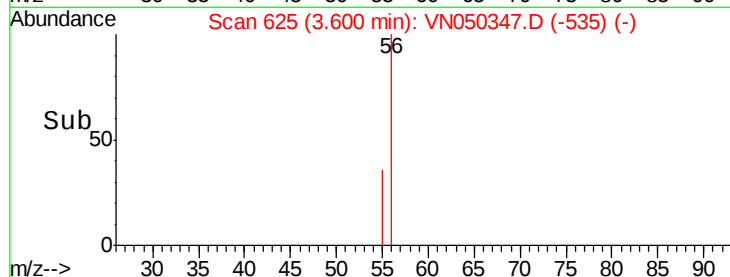
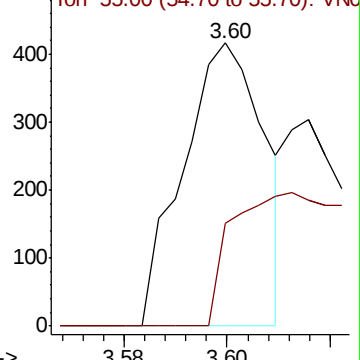
Ion Ratio Lower Upper

56 100

55 53.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0



#14

Allyl chloride

Concen: 4.25 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.23 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

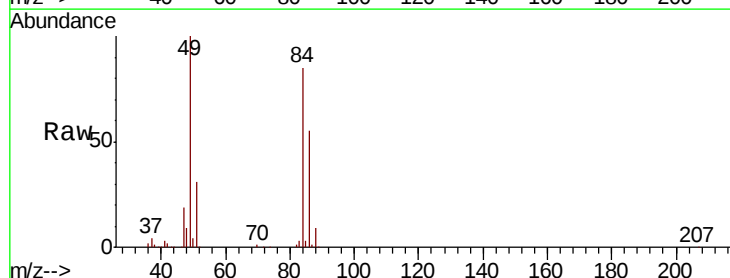
Tgt Ion: 41 Resp: 48791

Ion Ratio Lower Upper

41 100

39 0.6 54.2 81.4#

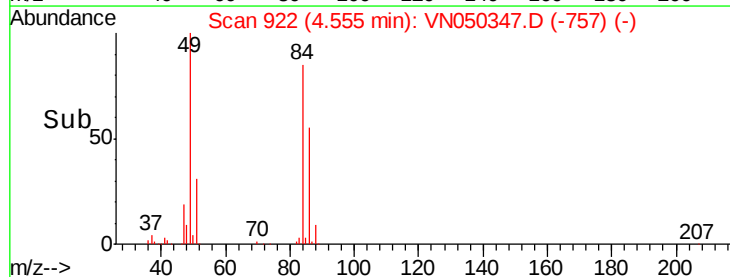
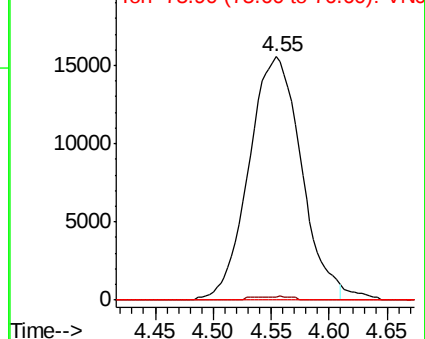
76 0.0 29.0 43.6#

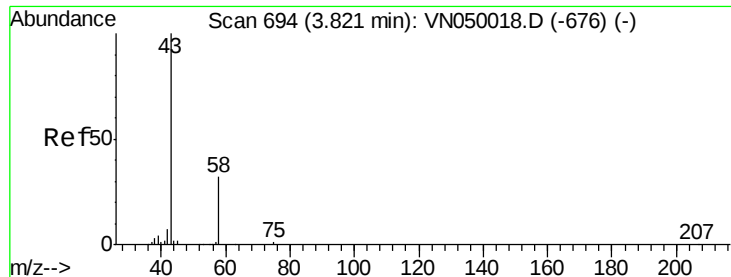


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 13.60 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampled :

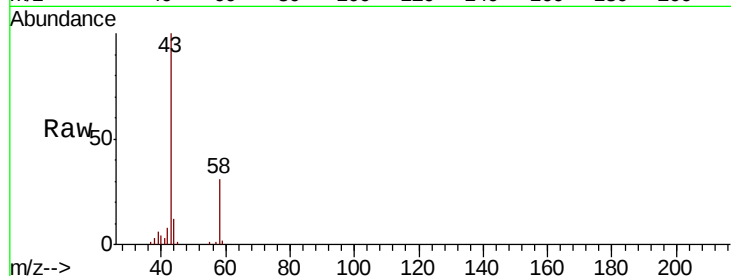
C-10

Tot Ion: 43 Resp: 37409

Ion Ratio Lower Upper

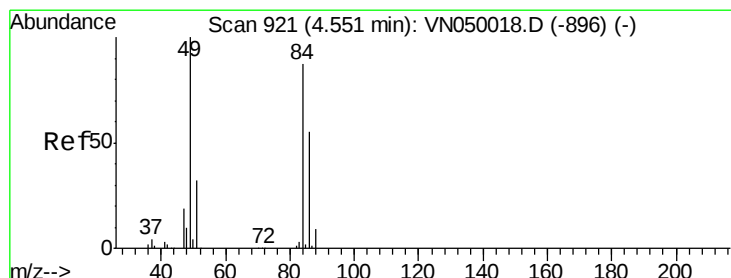
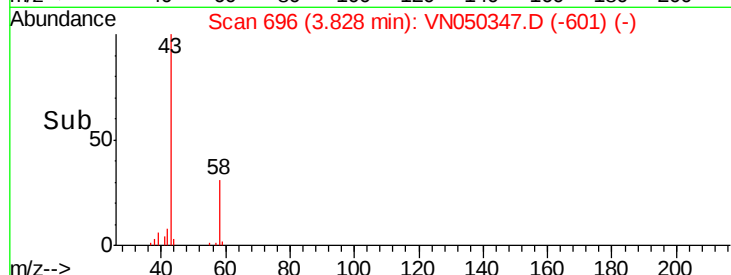
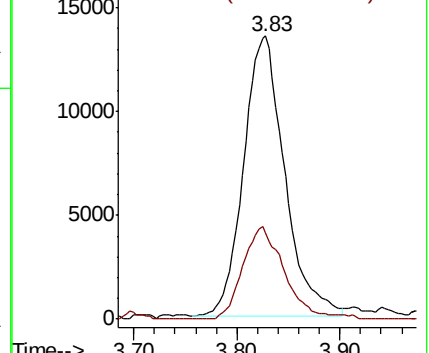
43 100

58 30.9 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: 183.16 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Tgt Ion: 84 Resp: 1429915

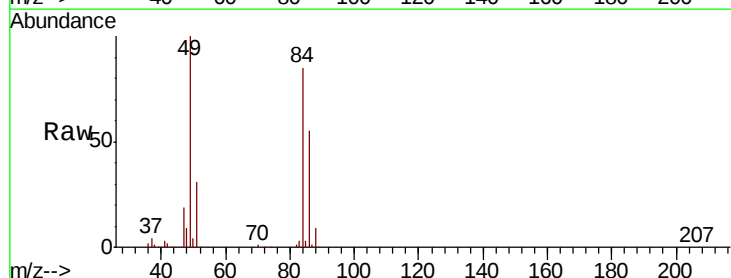
Ion Ratio Lower Upper

84 100

49 117.2 94.8 142.2

51 36.3 28.3 42.5

86 64.2 51.0 76.6

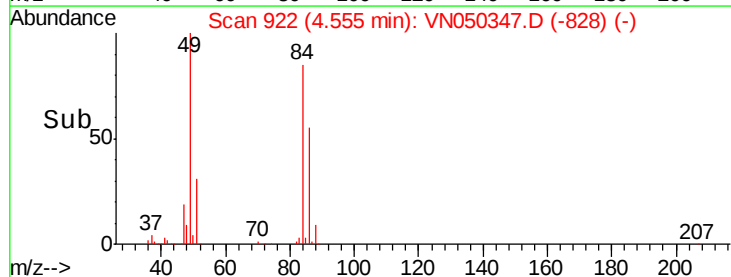
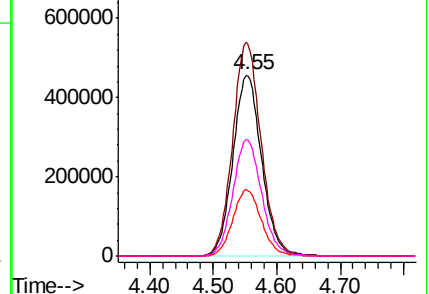


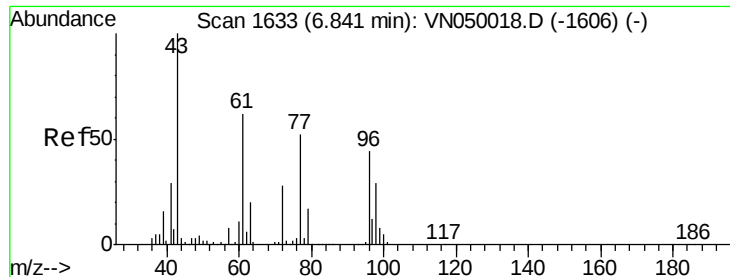
Abundance Ion 83.90 (83.60 to 84.60): VN050018.D (-896) (-)

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) (-)

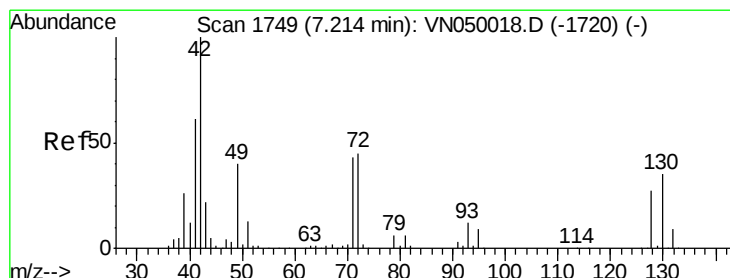
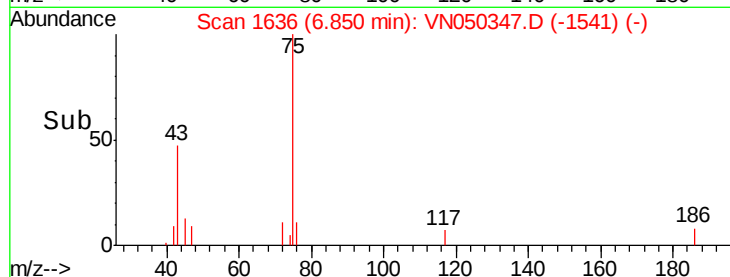
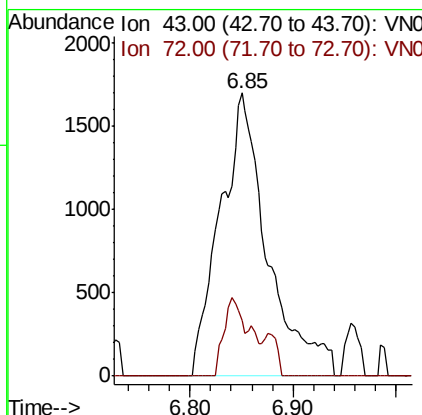
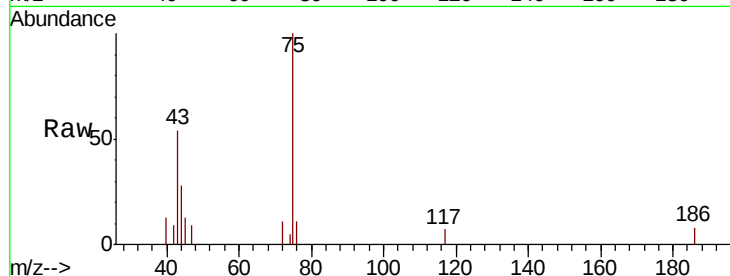




#25
2-Butanone
Concen: 1.58 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

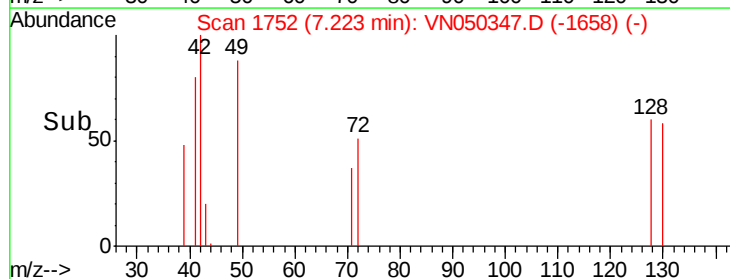
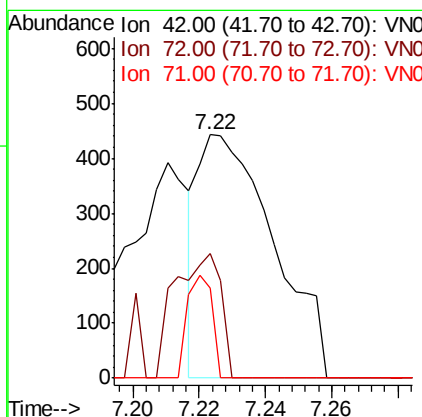
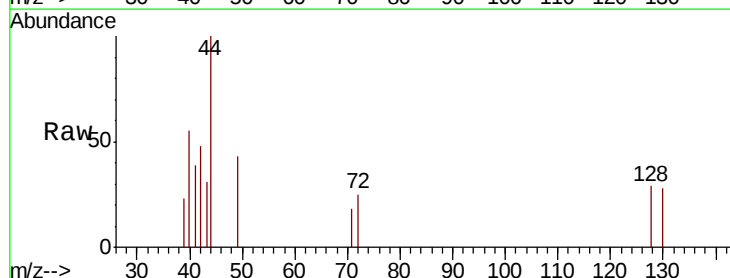
Instrument :
MSVOA_N
ClientSampled :
C-10

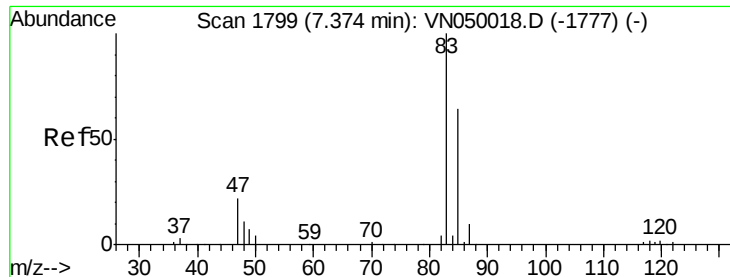
Tot Ion: 43 Resp: 5422
Ion Ratio Lower Upper
43 100
72 19.7 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.00 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

Tgt Ion: 42 Resp: 700
Ion Ratio Lower Upper
42 100
72 31.3 35.9 53.9#
71 13.9 33.7 50.5#

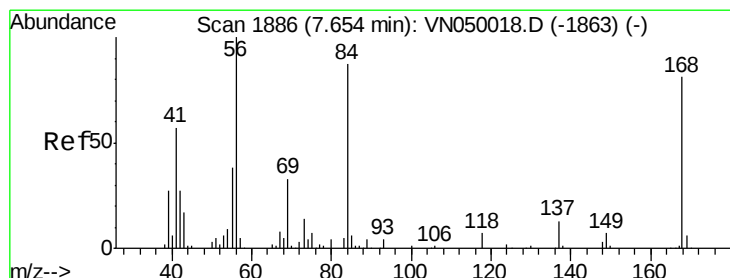
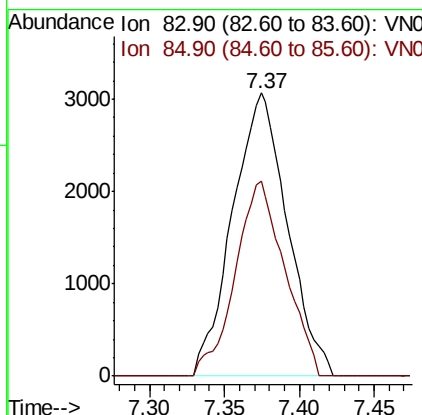
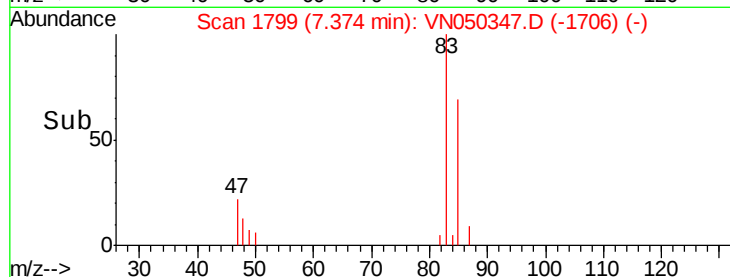
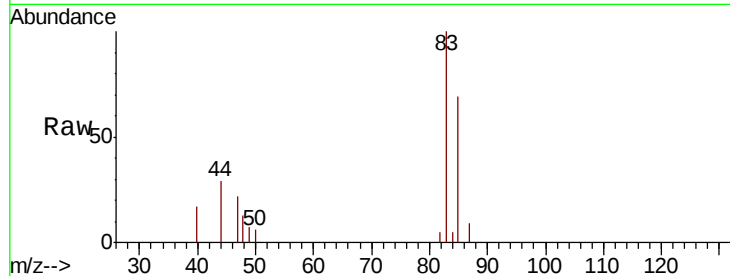




#30
Chloroform
Concen: 0.51 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

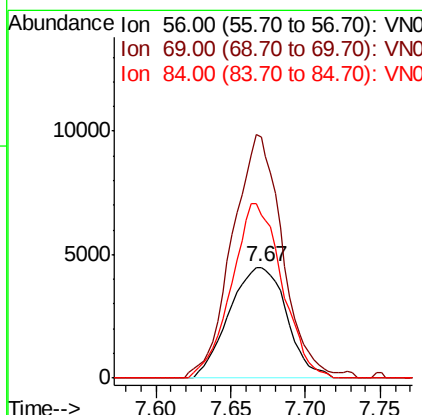
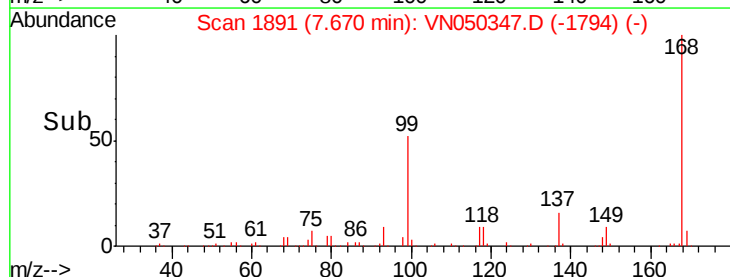
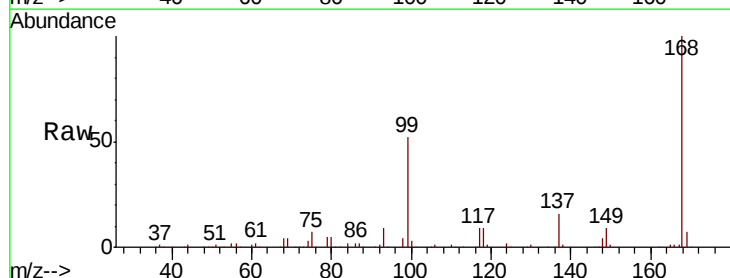
Instrument :
MSVOA_N
ClientSampleId :
C-10

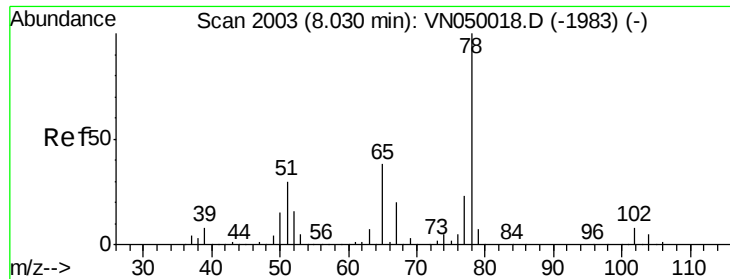
Tot Ion: 83 Resp: 7795
Ion Ratio Lower Upper
83 100
85 68.9 52.5 78.7



#31
Cyclohexane
Concen: 0.90 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

Tgt Ion: 56 Resp: 11987
Ion Ratio Lower Upper
56 100
69 212.0 26.2 39.4#
84 146.5 67.4 101.0#

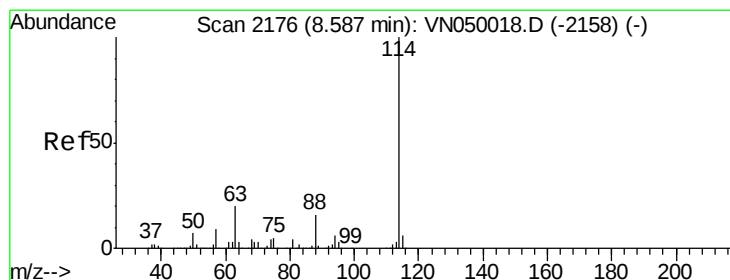
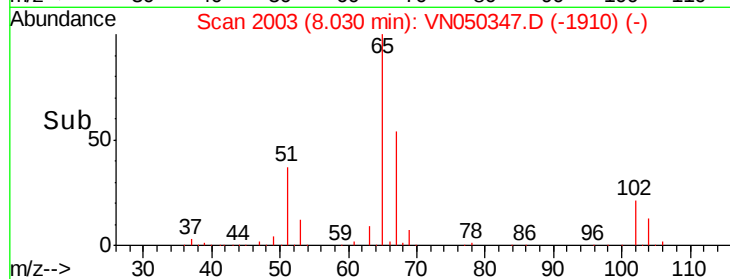
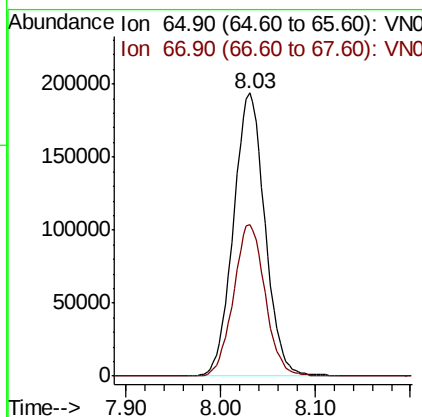
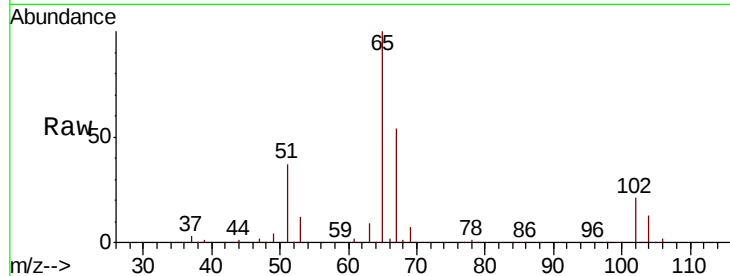




#33
 1,2-Dichloroethane-d4
 Concen: 50.08 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050347.D
 Acq: 4 Aug 2018 6:18

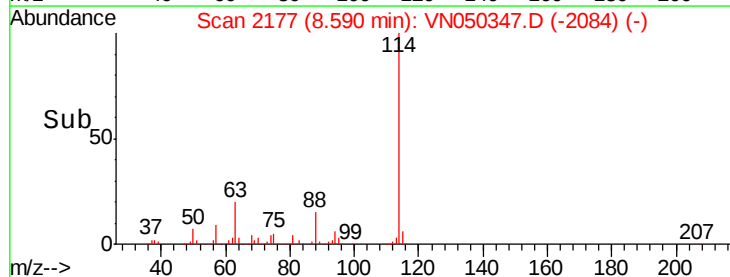
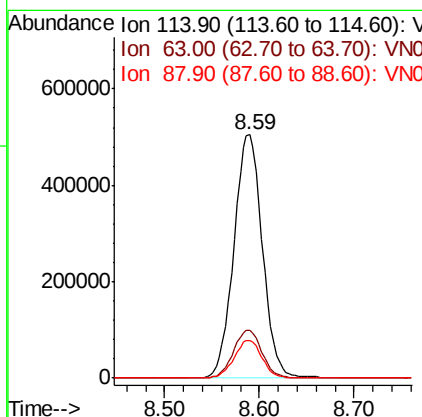
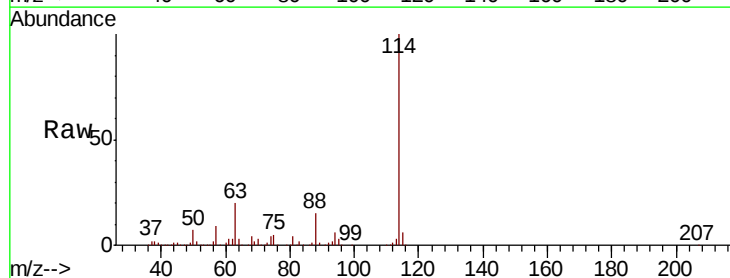
Instrument :
 MSVOA_N
 ClientSampleId :
 C-10

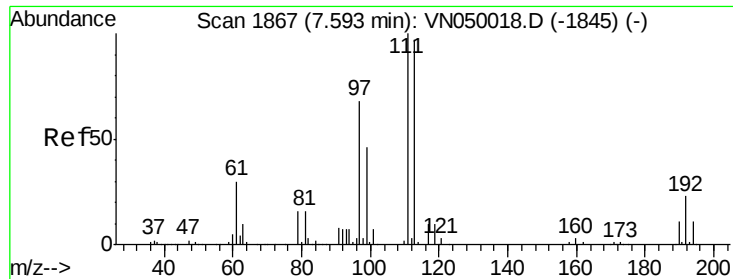
Tot Ion: 65 Resp: 449179
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050347.D
 Acq: 4 Aug 2018 6:18

Tgt Ion:114 Resp: 1057945
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.5 0.0 31.2



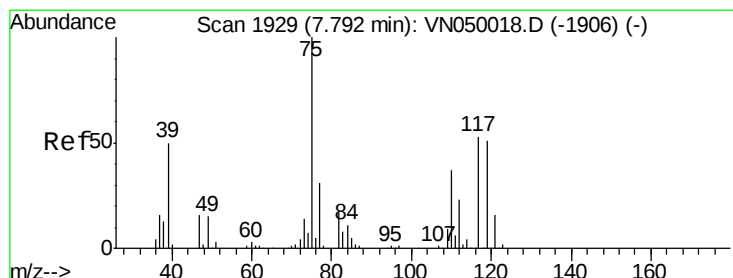
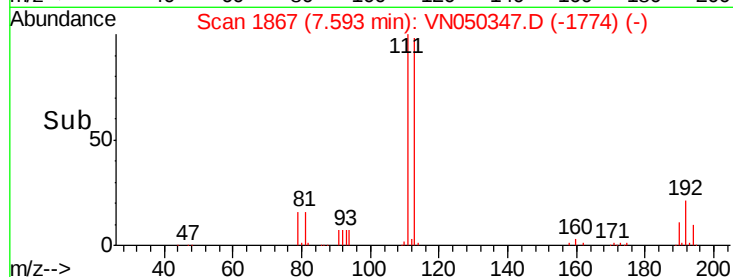
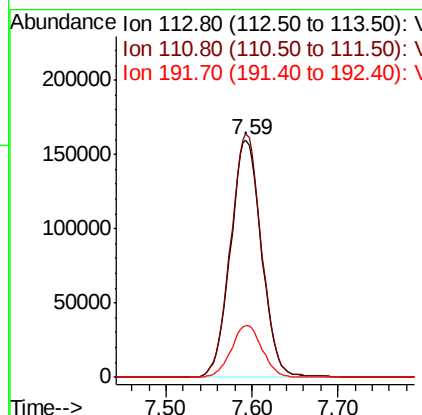
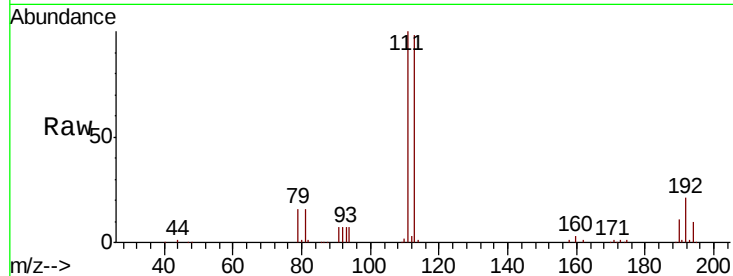


#35
Dibromofluoromethane
Concen: 46.31 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

Instrument :
MSVOA_N
ClientSampleId :
C-10

Tot Ion:113 Resp: 400018

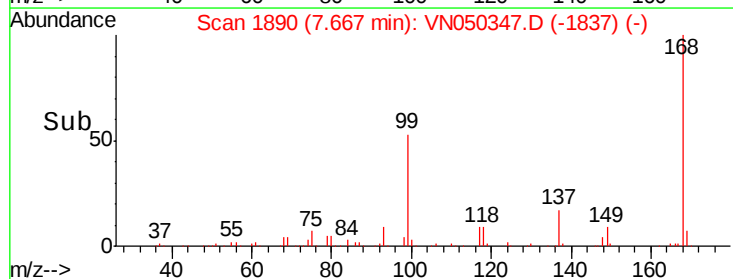
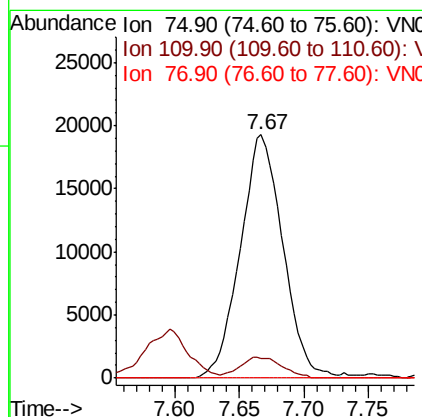
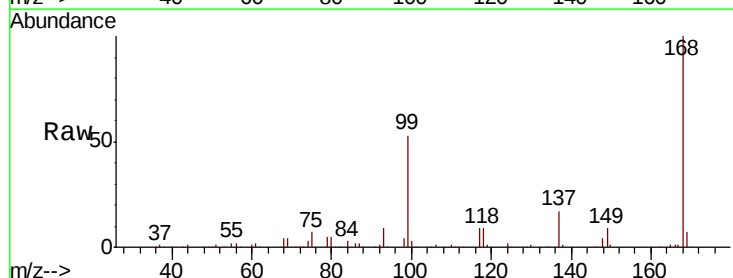
Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	21.9	17.8	26.6

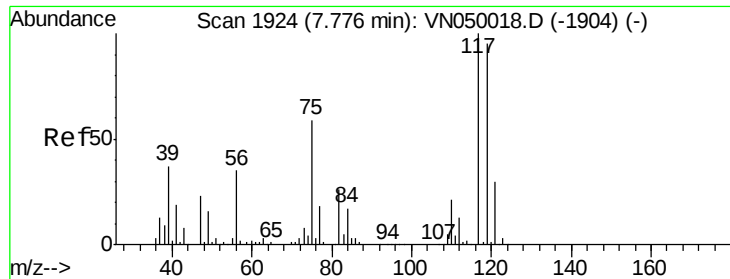


#36
1,1-Dichloropropene
Concen: 3.73 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

Tgt Ion: 75 Resp: 44418

Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.4	55.2#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 4.46 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampleId :

C-10

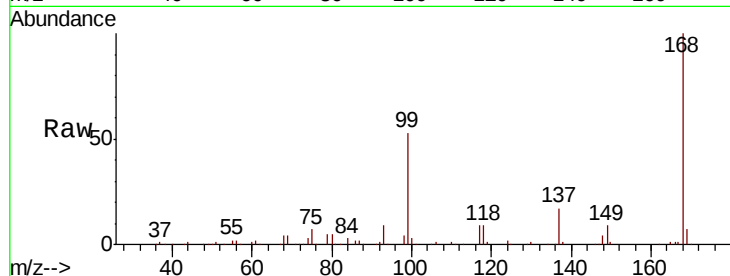
Tot Ion:117 Resp: 56345

Ion Ratio Lower Upper

117 100

119 6.9 77.4 116.0#

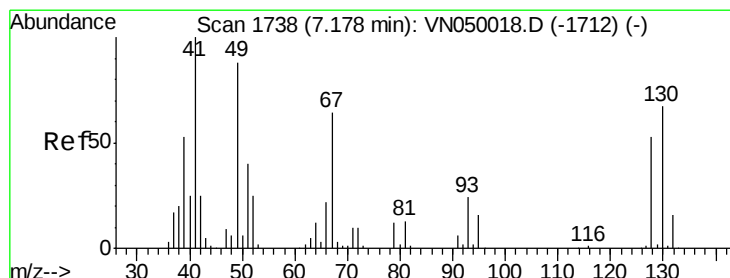
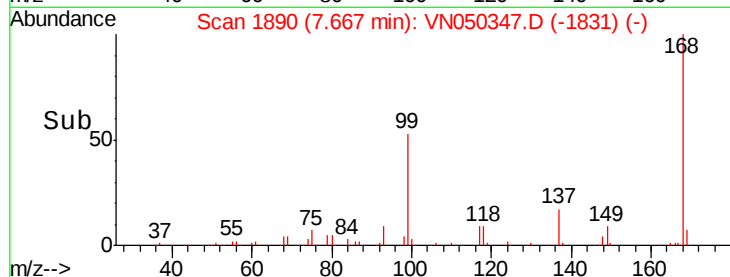
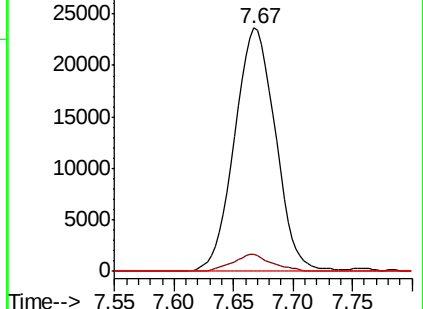
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 2.91 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.05 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Tgt Ion: 41 Resp: 753

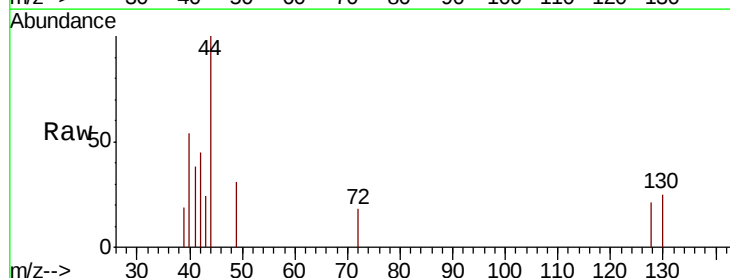
Ion Ratio Lower Upper

41 100

39 26.7 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

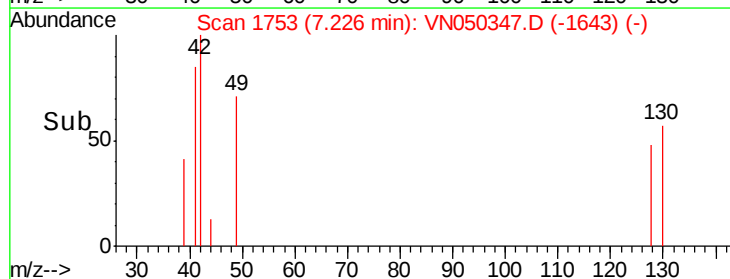
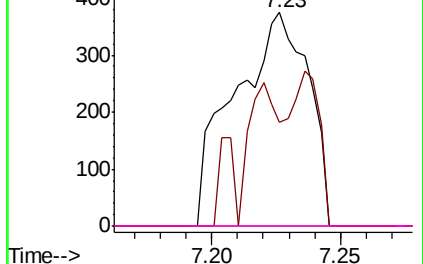


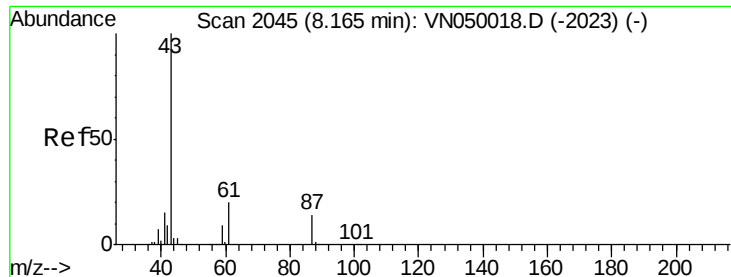
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 16.23 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampled :

C-10

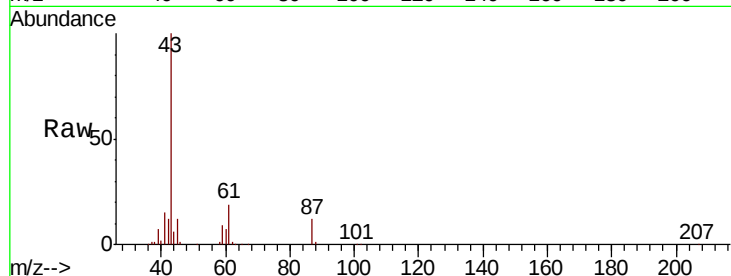
Tot Ion: 43 Resp: 266194

Ion Ratio Lower Upper

43 100

61 17.1 15.8 23.6

87 11.3 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

150000

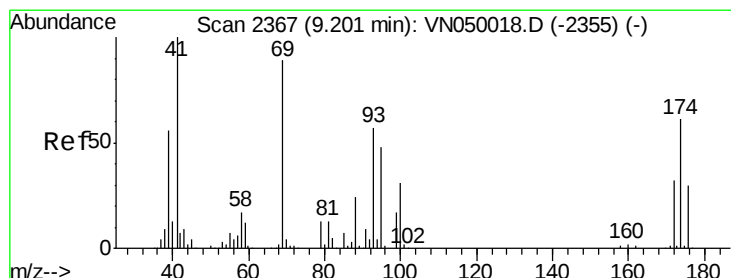
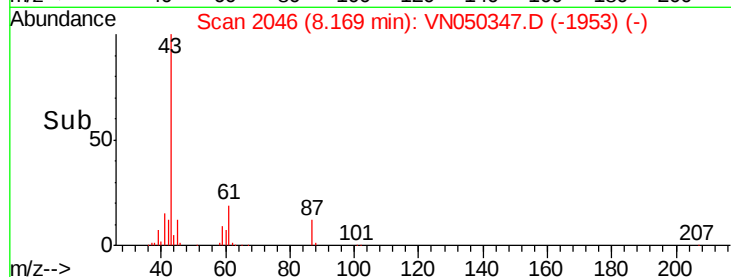
100000

50000

0

8.05 8.10 8.15 8.20

Time-->



#48

Methyl methacrylate

Concen: 0.83 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

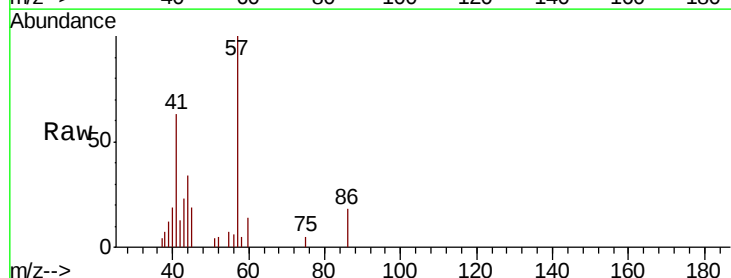
Tgt Ion: 41 Resp: 5974

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

39 20.4 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

6000

5000

4000

3000

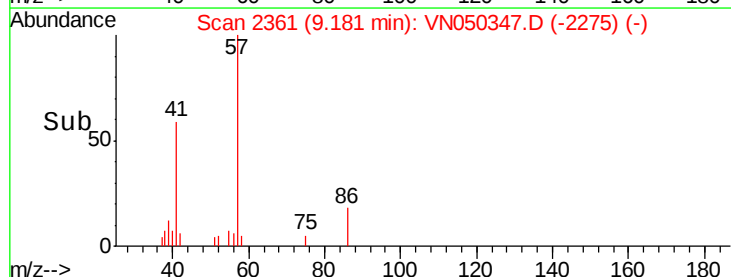
2000

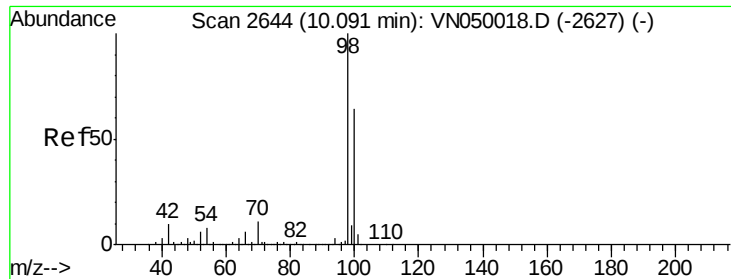
1000

0

9.10 9.15 9.20

Time-->





#50

Toluene-d8

Concen: 45.51 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampled :

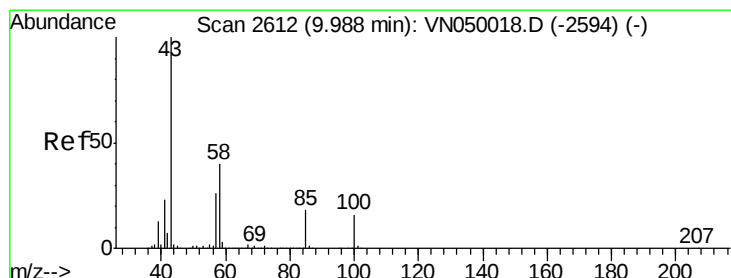
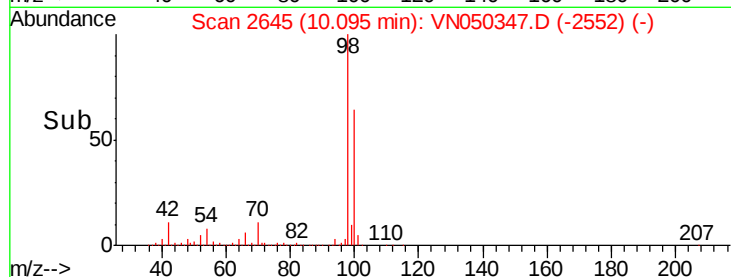
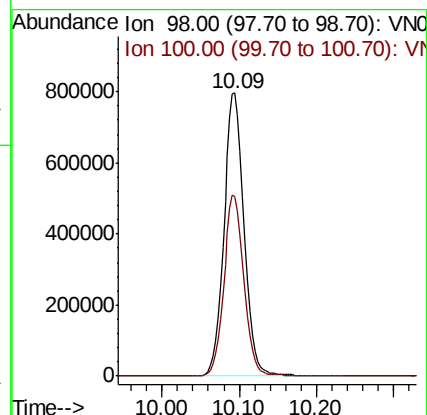
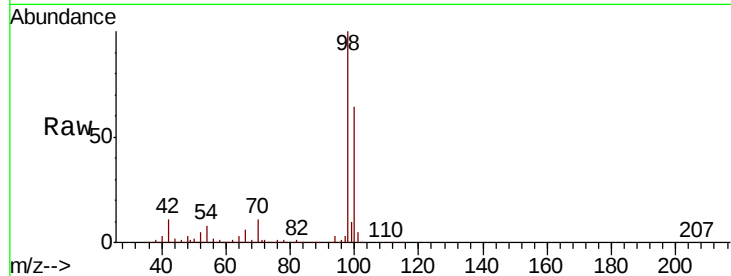
C-10

Tot Ion: 98 Resp: 1445082

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.32 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050347.D

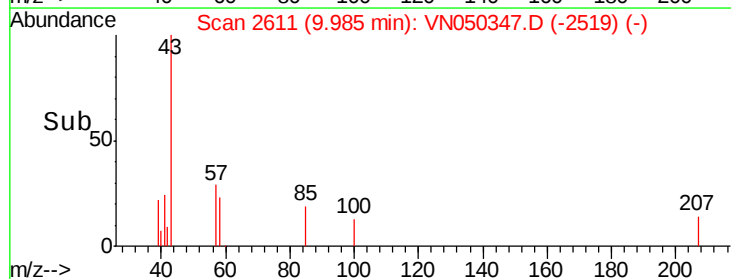
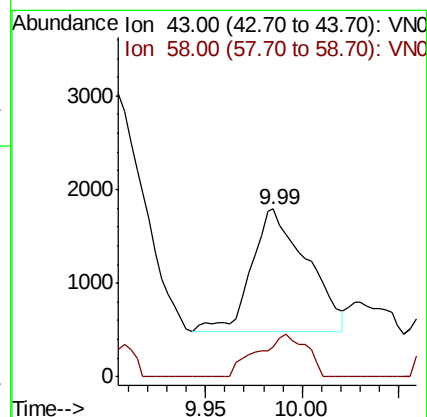
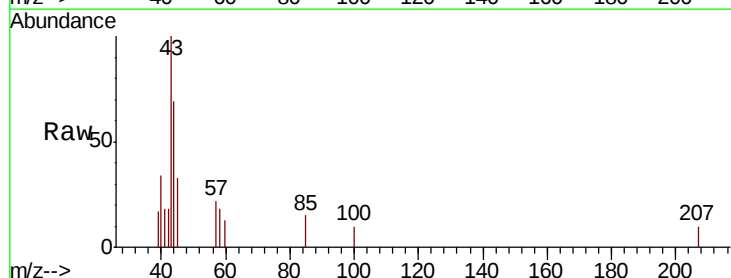
Acq: 4 Aug 2018 6:18

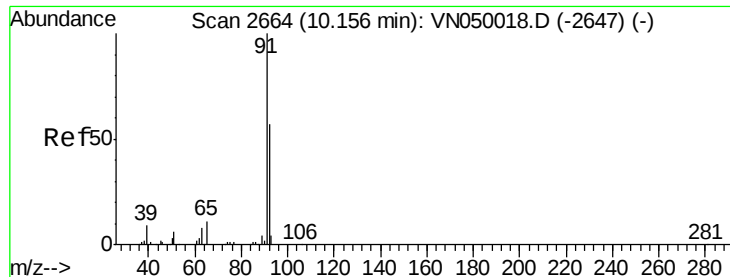
Tgt Ion: 43 Resp: 2619

Ion Ratio Lower Upper

43 100

58 30.5 31.9 47.9#





#52

Toluene

Concen: 0.77 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampled :

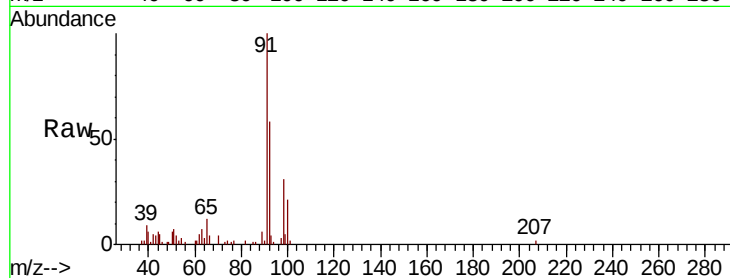
C-10

Tot Ion: 92 Resp: 16572

Ion Ratio Lower Upper

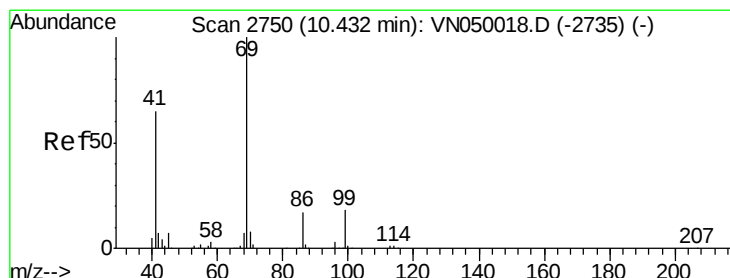
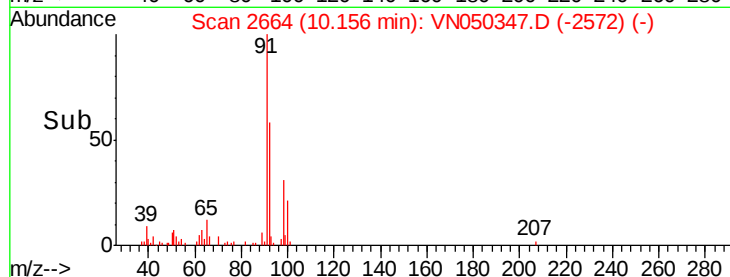
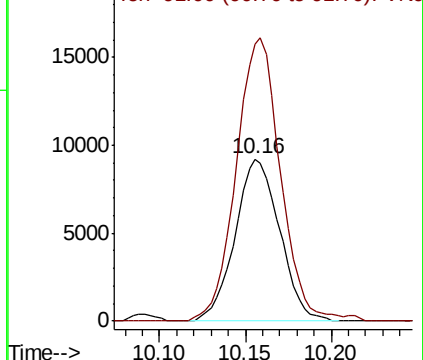
92 100

91 173.9 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#56

Ethyl methacrylate

Concen: 2.04 ug/l

RT: 10.28 min Scan# 2703

Delta R.T. -0.15 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

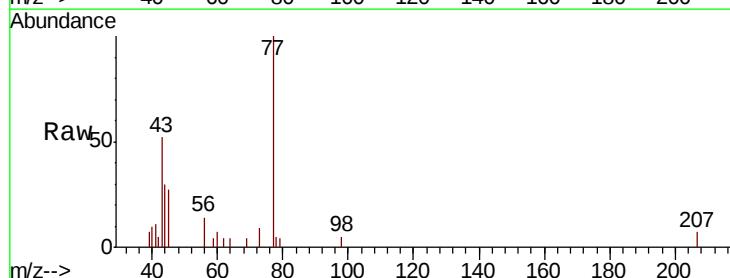
Tgt Ion: 69 Resp: 94

Ion Ratio Lower Upper

69 100

41 362.8 51.0 76.4#

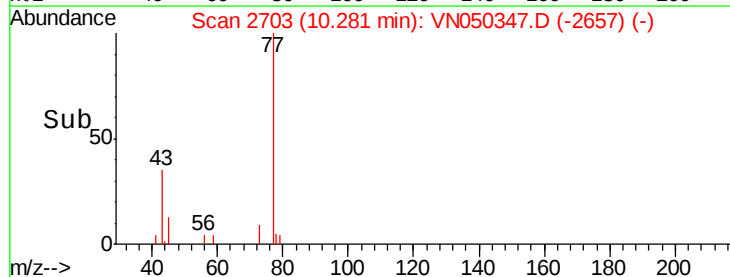
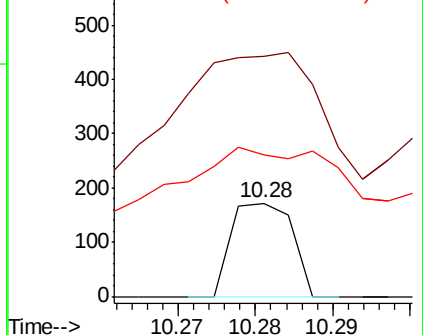
39 548.9 26.6 40.0#

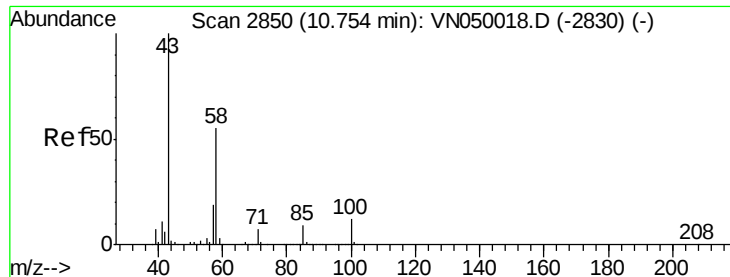


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 7.50 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampled :

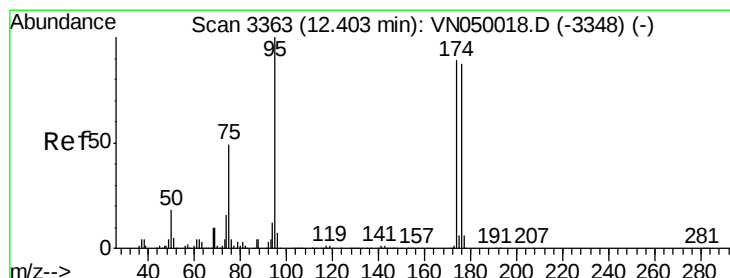
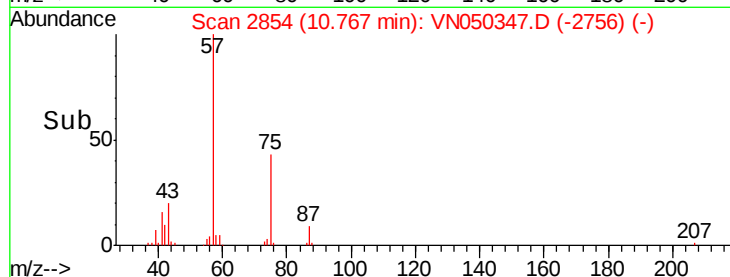
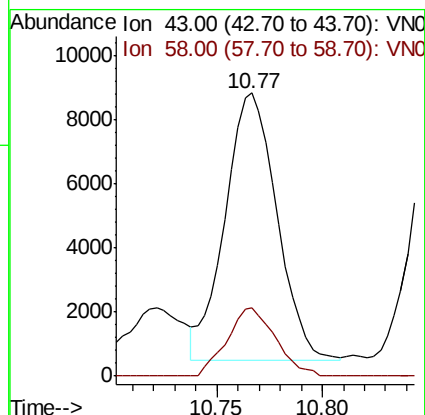
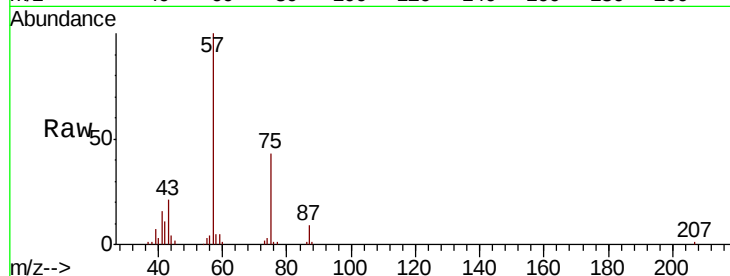
C-10

Tot Ion: 43 Resp: 14261

Ion Ratio Lower Upper

43 100

58 23.8 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 39.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

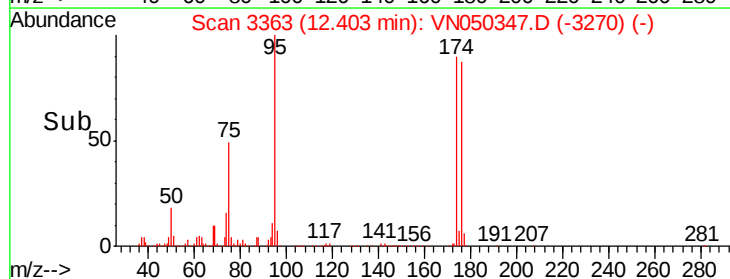
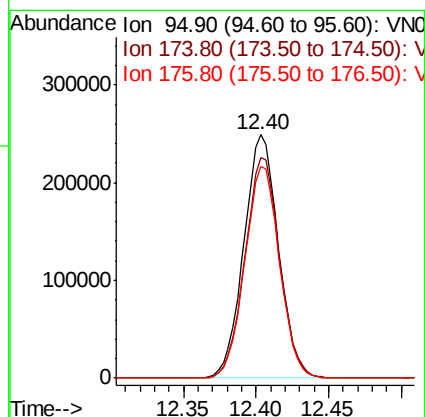
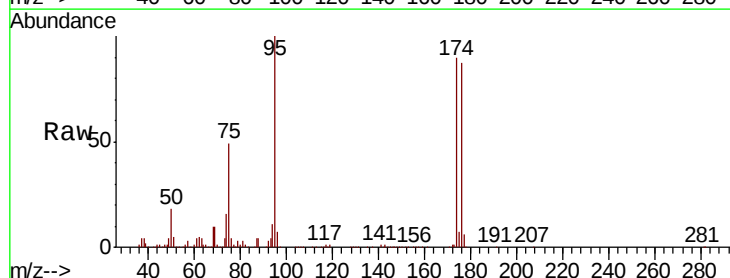
Tgt Ion: 95 Resp: 412618

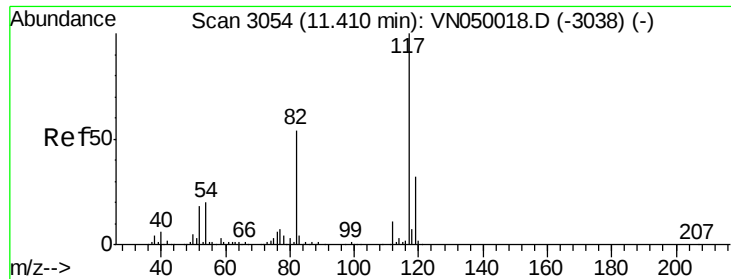
Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

176 87.5 0.0 173.4

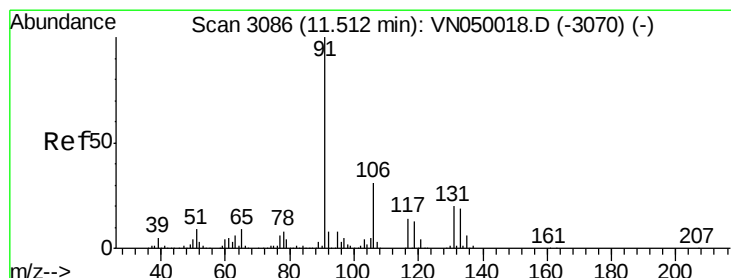
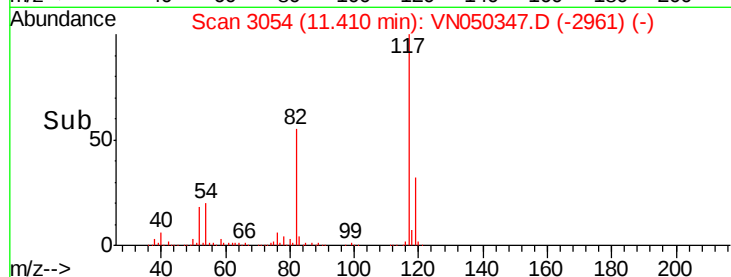
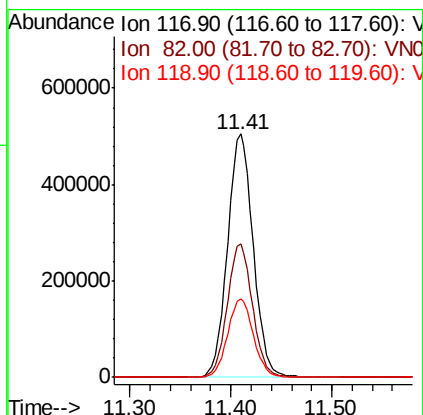
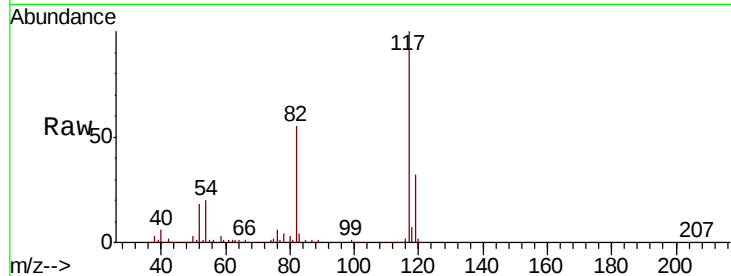




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

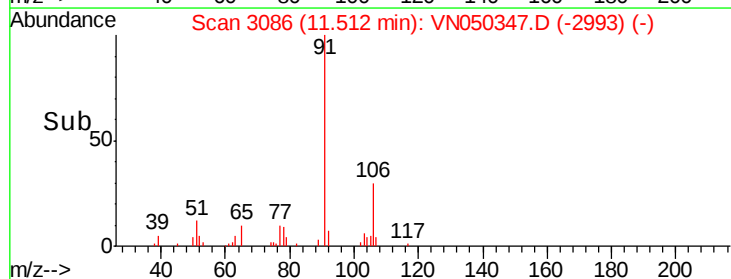
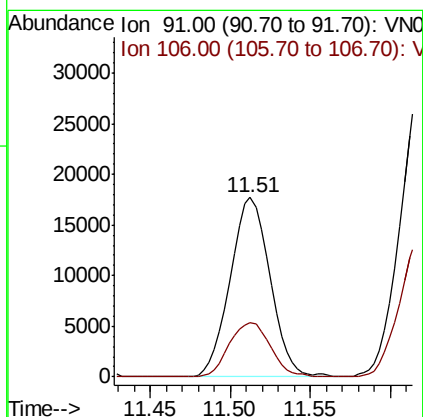
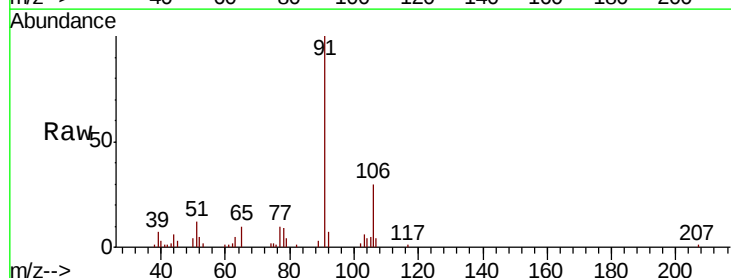
Instrument :
MSVOA_N
ClientSampleId :
C-10

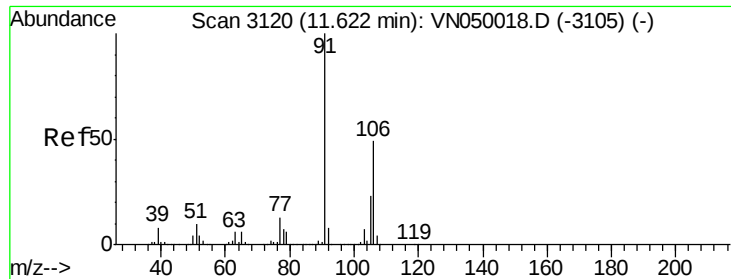
Tot Ion:117 Resp: 896076
Ion Ratio Lower Upper
117 100
82 54.7 43.7 65.5
119 32.2 26.1 39.1



#67
Ethyl Benzene
Concen: 0.83 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

Tgt Ion: 91 Resp: 30088
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4

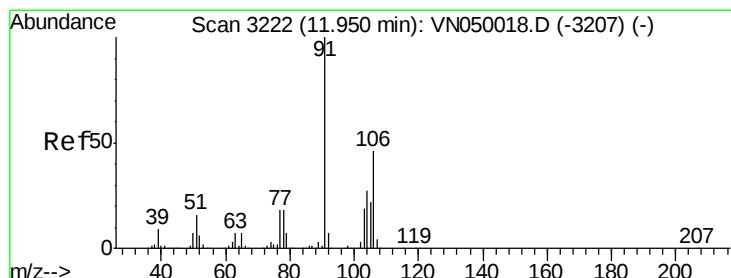
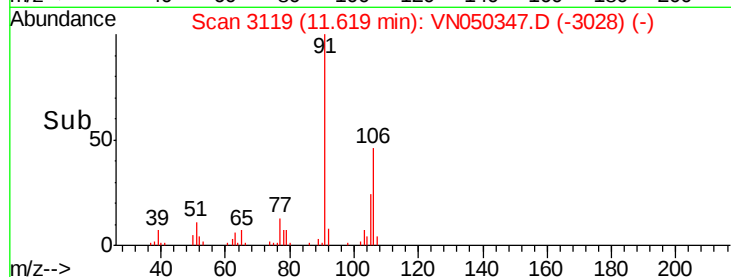
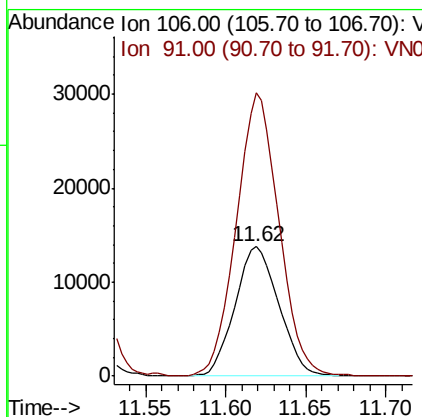
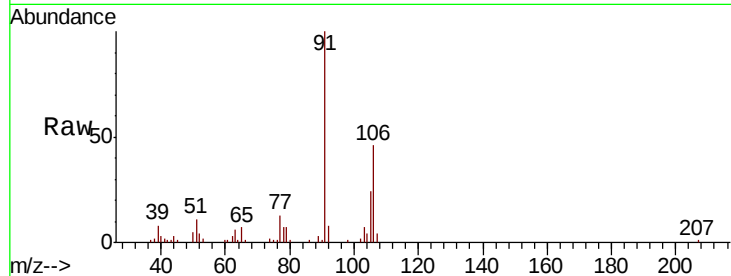




#68
m/p-Xylenes
Concen: 1.87 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.01 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

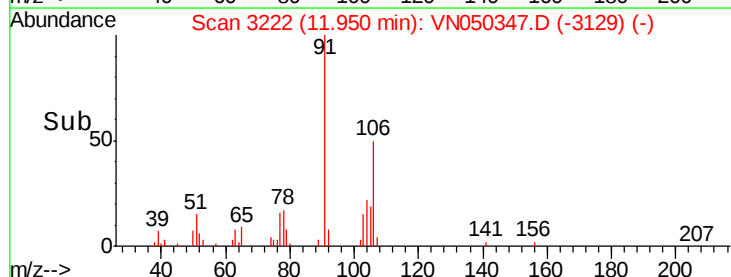
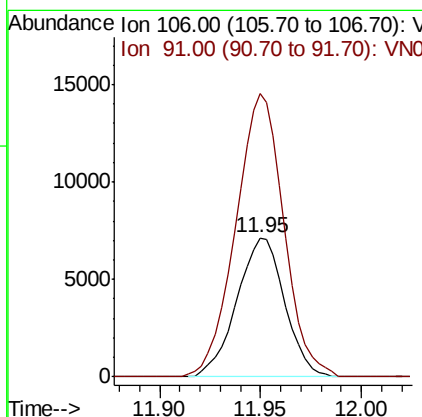
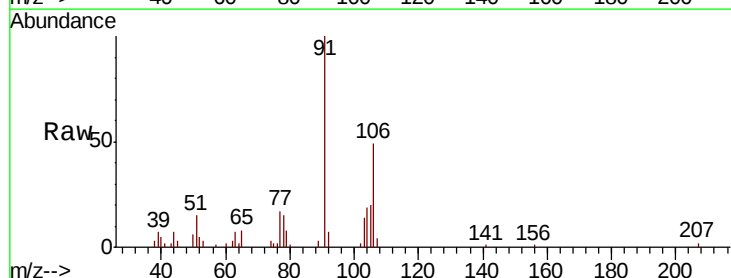
Instrument :
MSVOA_N
ClientSampled :
C-10

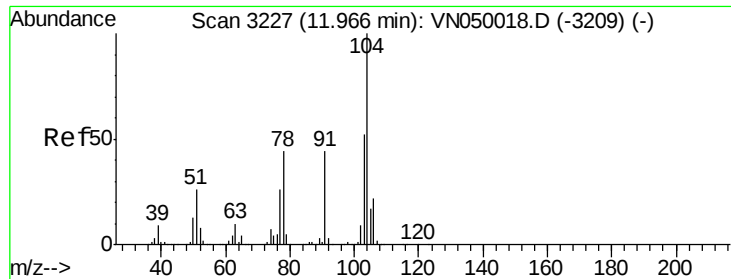
Tot Ion:106 Resp: 25737
Ion Ratio Lower Upper
106 100
91 212.5 162.2 243.2



#69
o-Xylene
Concen: 0.90 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

Tgt Ion:106 Resp: 11821
Ion Ratio Lower Upper
106 100
91 204.6 107.7 323.1

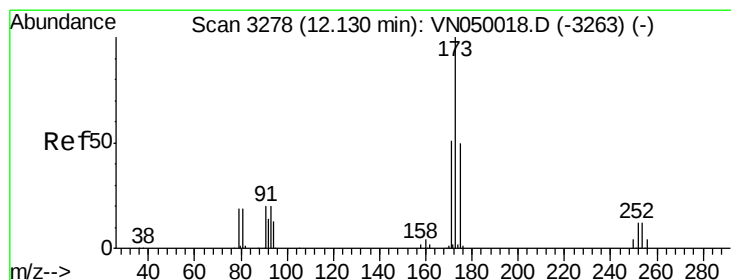
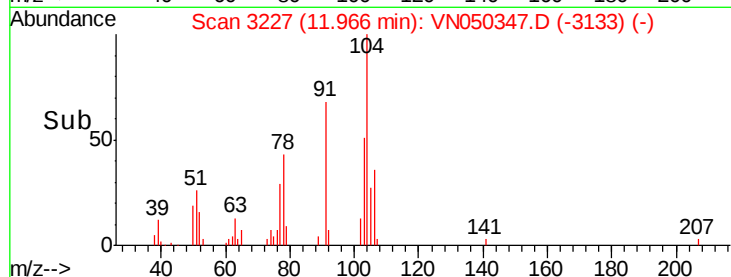
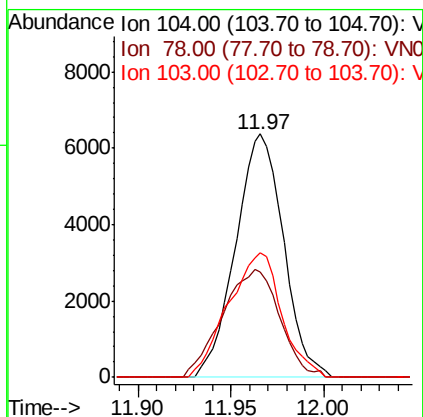
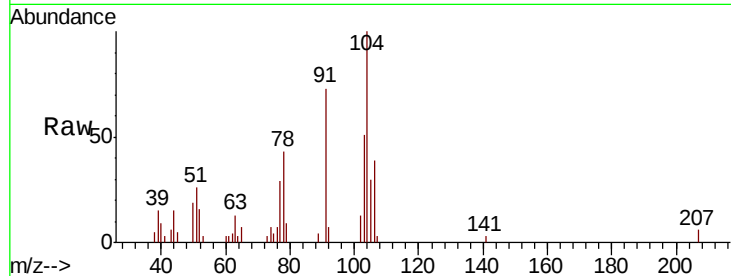




#70
Stvrene
Concen: 1.41 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

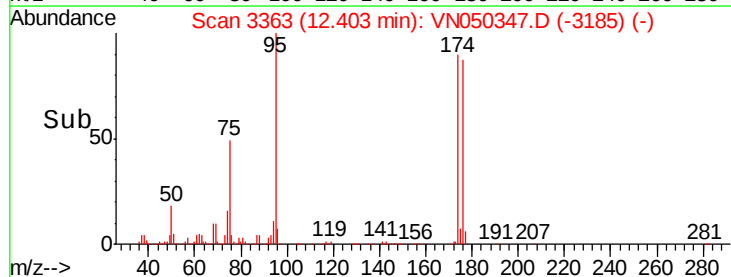
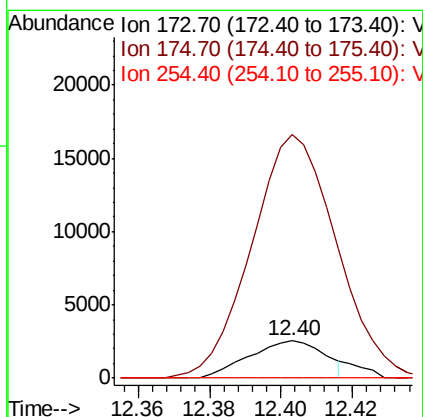
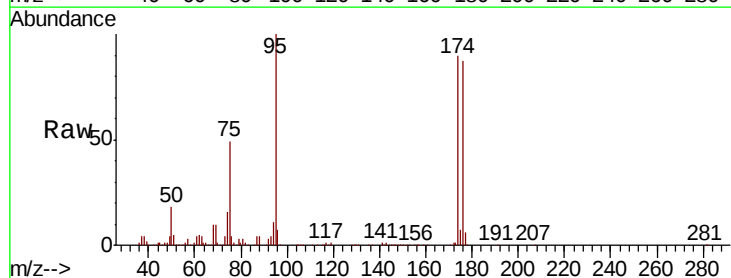
Instrument :
MSVOA_N
ClientSampled :
C-10

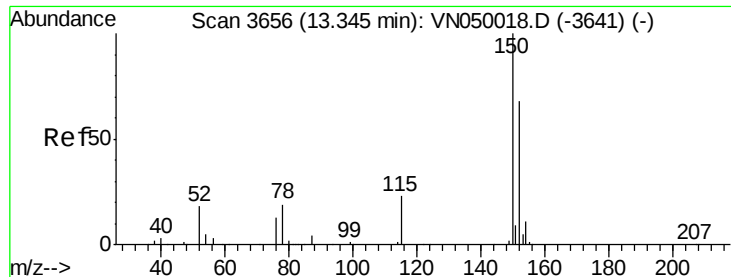
Tot Ion:104 Resp: 11452
Ion Ratio Lower Upper
104 100
78 53.2 39.3 58.9
103 56.9 45.0 67.6



#71
Bromoform
Concen: 0.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050347.D
Acq: 4 Aug 2018 6:18

Tgt Ion:173 Resp: 3726
Ion Ratio Lower Upper
173 100
175 653.7 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampleId :

C-10

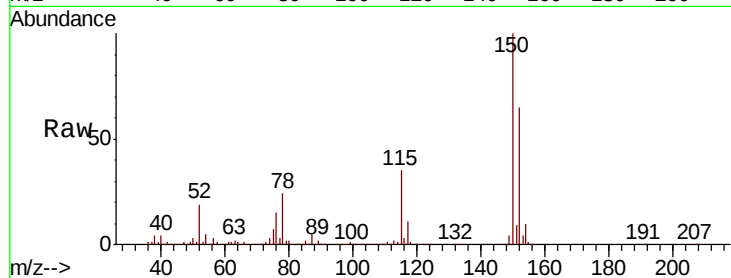
Tot Ion:152 Resp: 365969

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.3

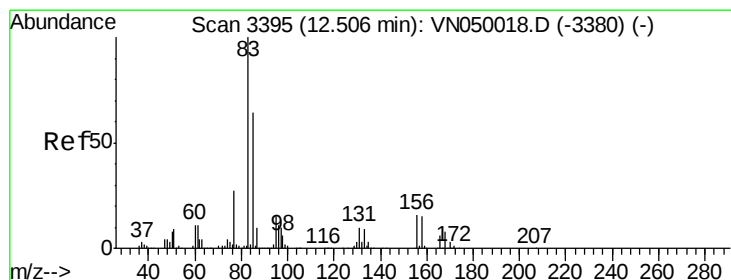
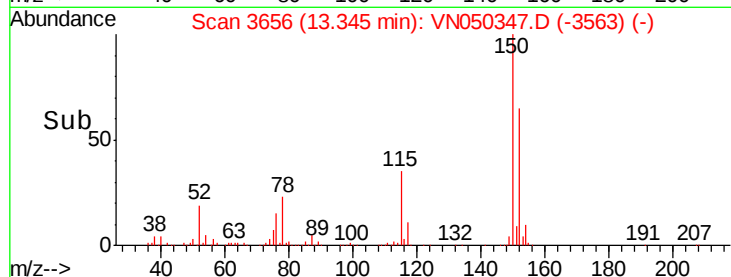
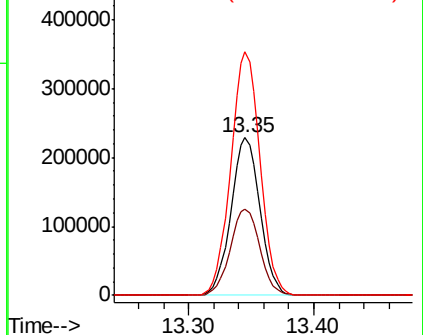
150 155.8 0.0 348.6



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: VN050347.D

Acq: 4 Aug 2018 6:18

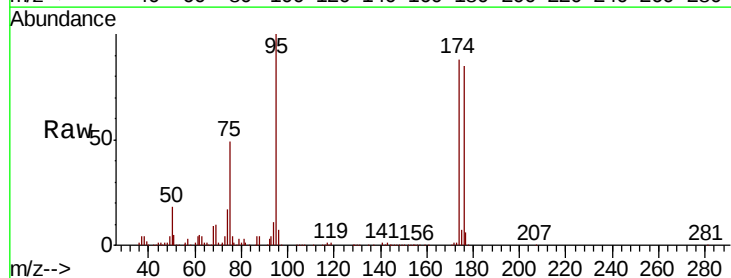
Tgt Ion: 83 Resp: 146

Ion Ratio Lower Upper

83 100

131 285.6 5.1 15.3#

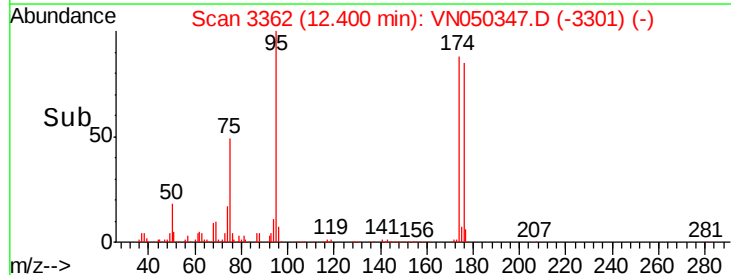
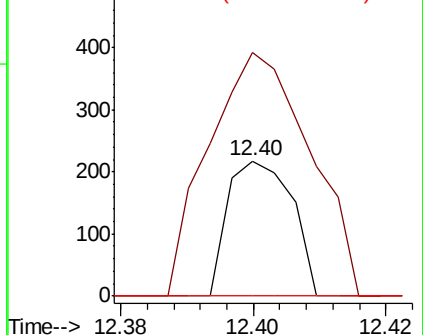
85 0.0 32.3 96.8#

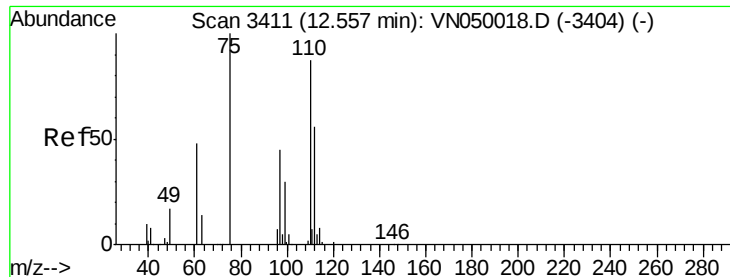


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 29.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampled :

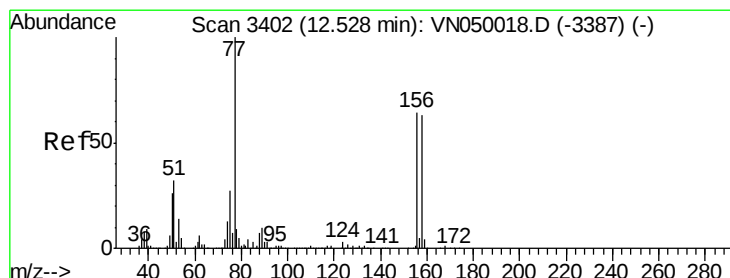
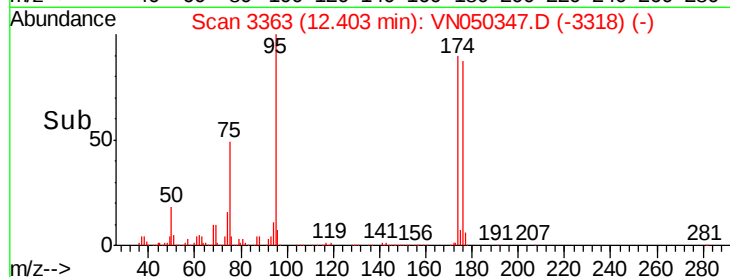
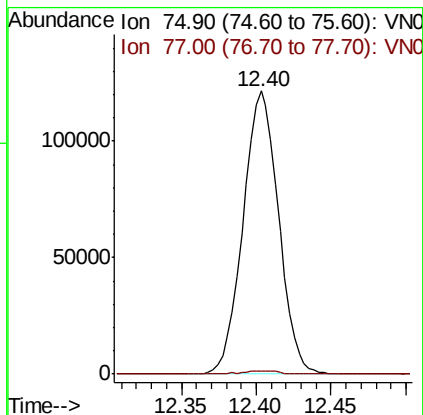
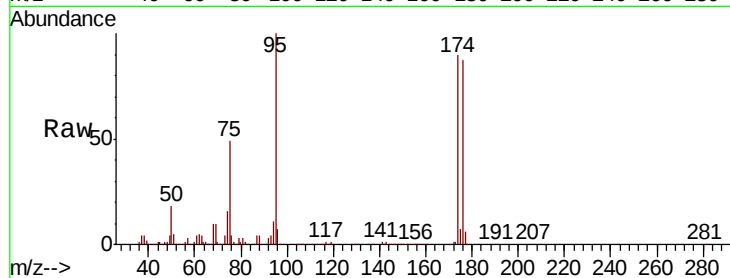
C-10

Tot Ion: 75 Resp: 200910

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#77

Bromobenzene

Concen: 0.21 ug/l

RT: 12.54 min Scan# 3407

Delta R.T. 0.02 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

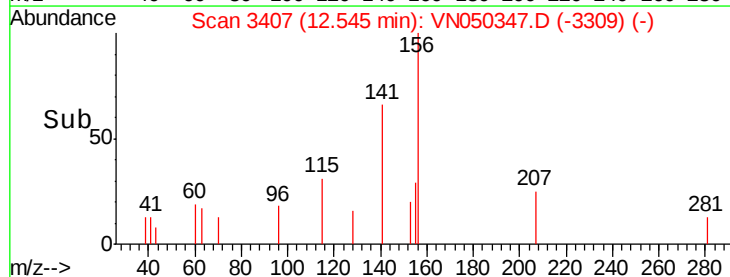
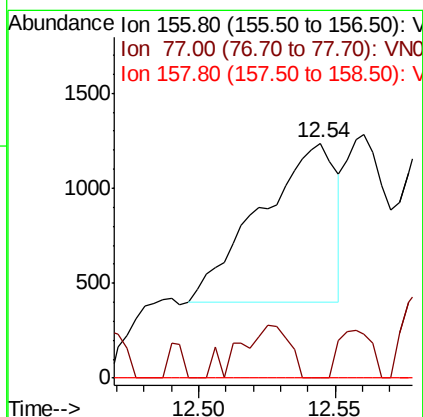
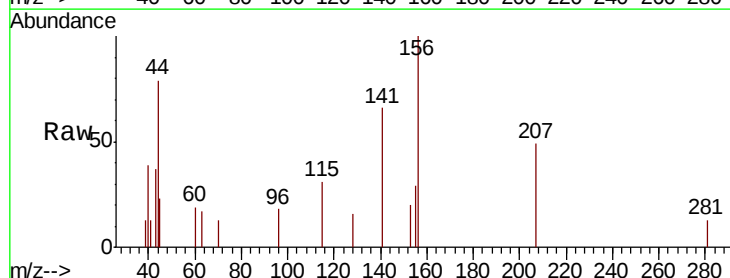
Tgt Ion: 156 Resp: 1629

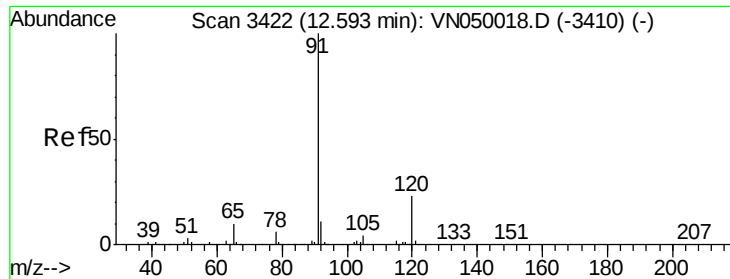
Ion Ratio Lower Upper

156 100

77 13.1 91.7 275.1#

158 0.0 48.9 146.6#





#78

n-propylbenzene

Concen: 0.35 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampled :

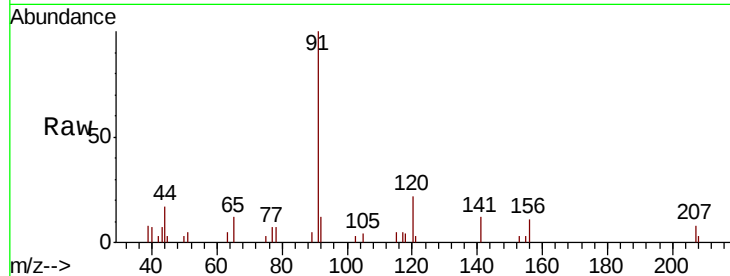
C-10

Tot Ion: 91 Resp: 10988

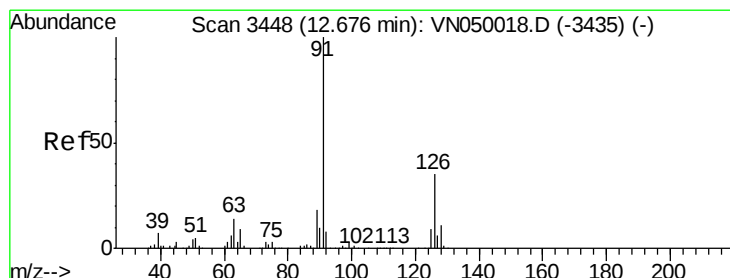
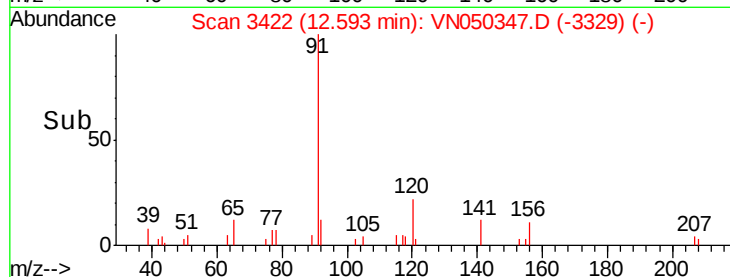
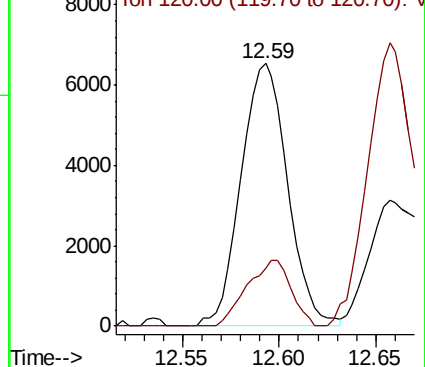
Ion Ratio Lower Upper

91 100

120 23.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3410) (-)



#79

2-Chlorotoluene

Concen: 0.28 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN050347.D

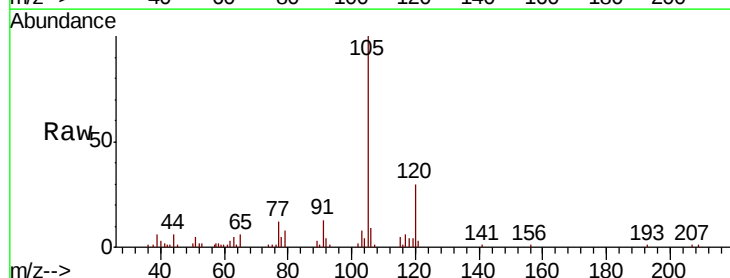
Acq: 4 Aug 2018 6:18

Tgt Ion: 91 Resp: 5522

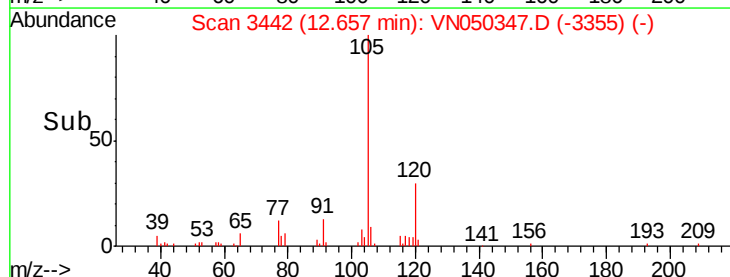
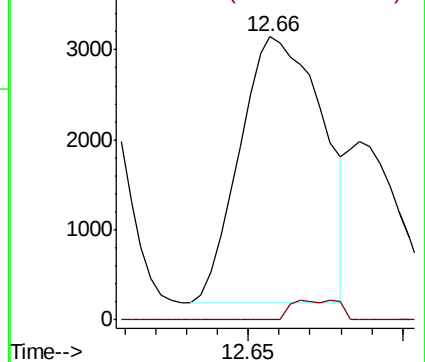
Ion Ratio Lower Upper

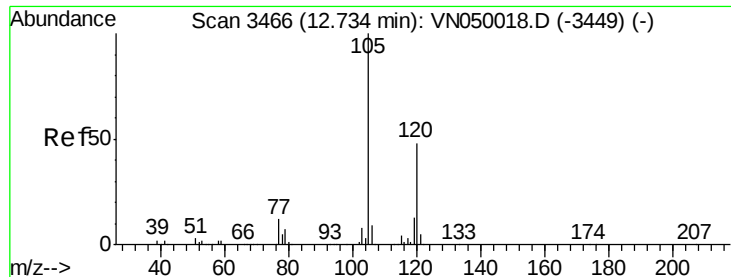
91 100

126 4.2 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)





#80

1,3,5-Trimethylbenzene

Concen: 1.03 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampleId :

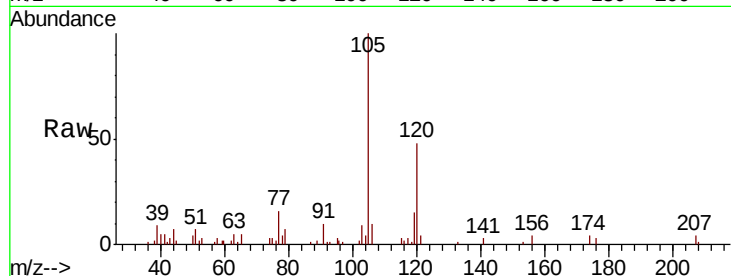
C-10

Tot Ion:105 Resp: 22902

Ion Ratio Lower Upper

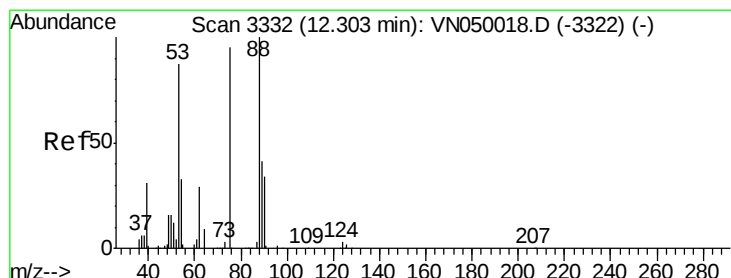
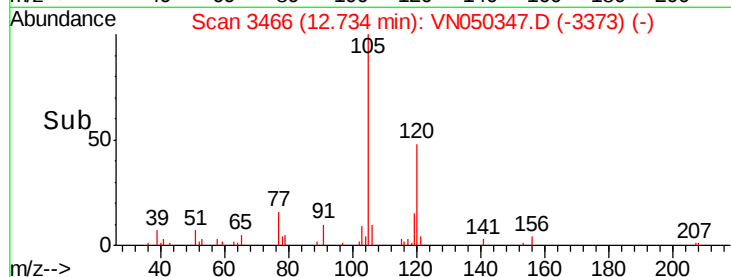
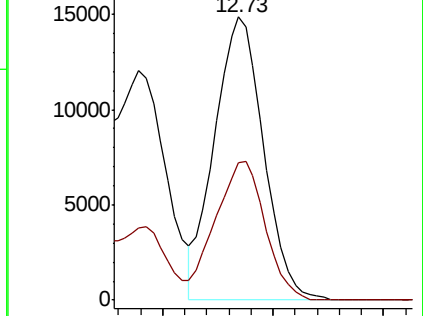
105 100

120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 93.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

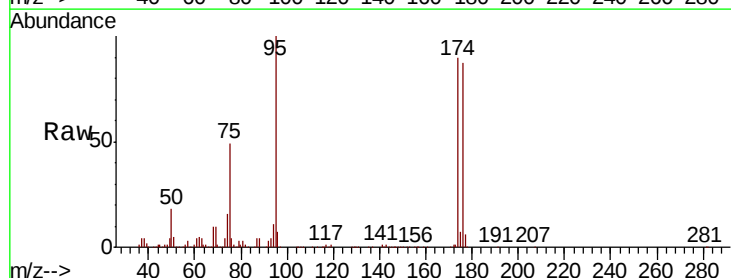
Tgt Ion: 75 Resp: 200910

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

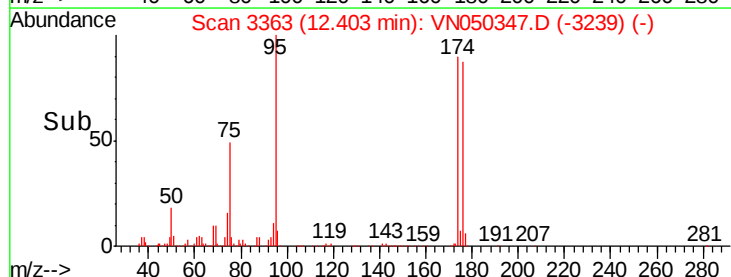
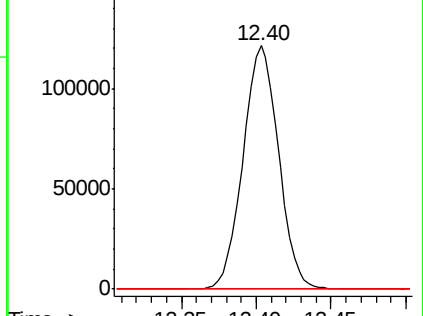
89 0.0 36.0 54.0#

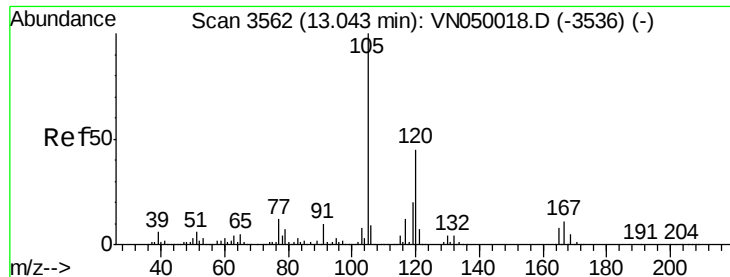


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 3.41 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampled :

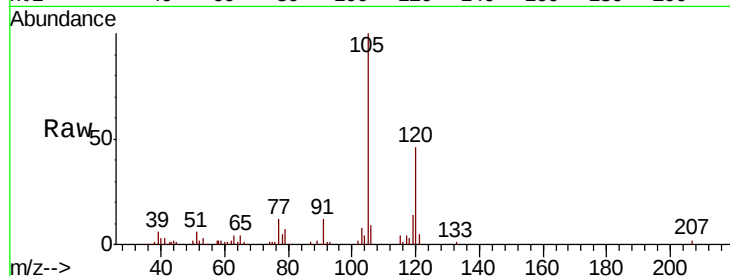
C-10

Tot Ion:105 Resp: 76762

Ion Ratio Lower Upper

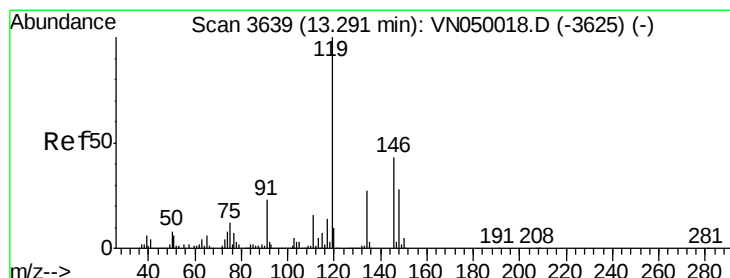
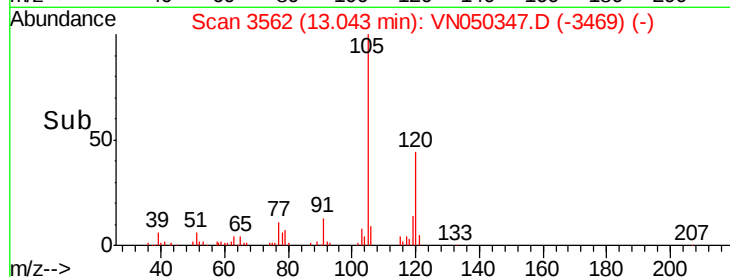
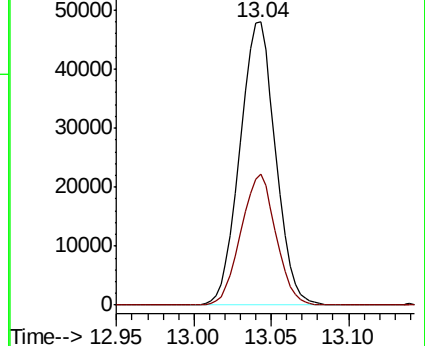
105 100

120 45.5 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 0.20 ug/l

RT: 13.23 min Scan# 3621

Delta R.T. -0.06 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

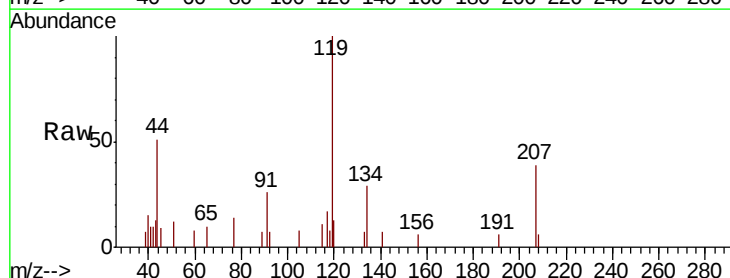
Tgt Ion:119 Resp: 4420

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.8

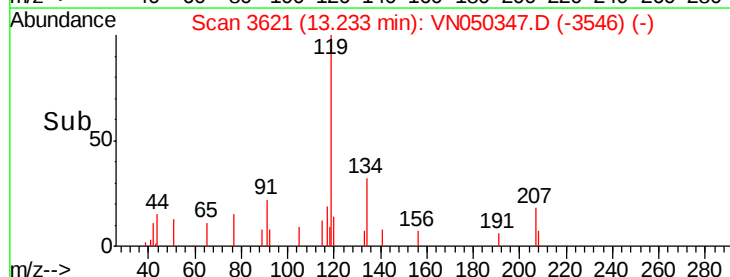
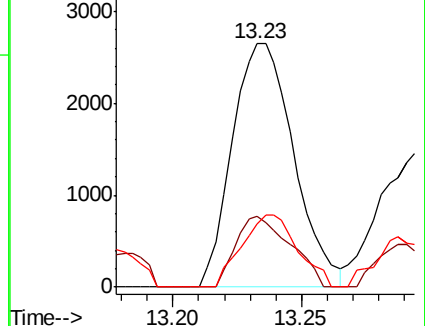
91 26.7 11.4 34.2

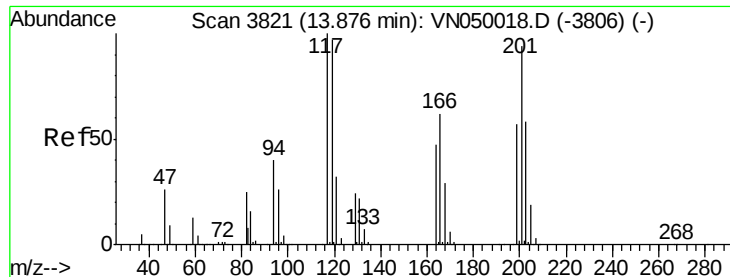


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 0.90 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

Instrument :

MSVOA_N

ClientSampleId :

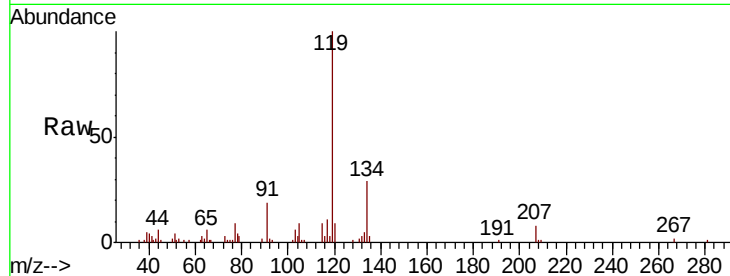
C-10

Tot Ion:117 Resp: 4386

Ion Ratio Lower Upper

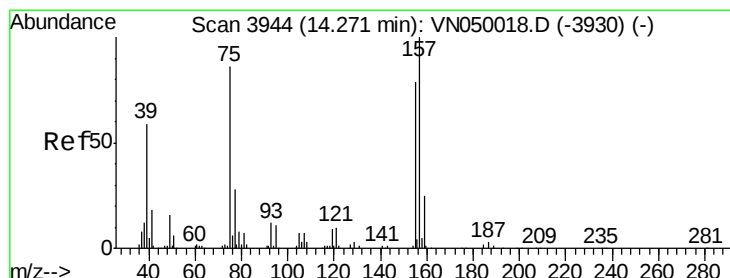
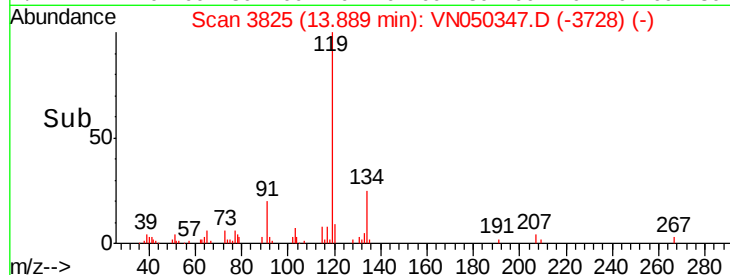
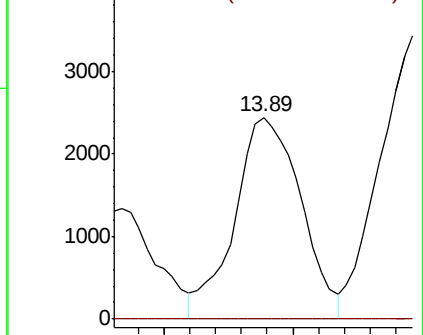
117 100

201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VN050347.D

Acq: 4 Aug 2018 6:18

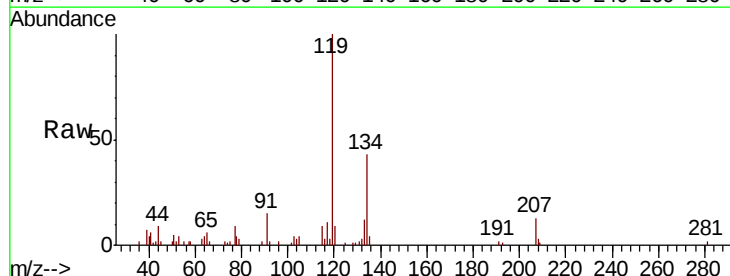
Tgt Ion: 75 Resp: 263

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

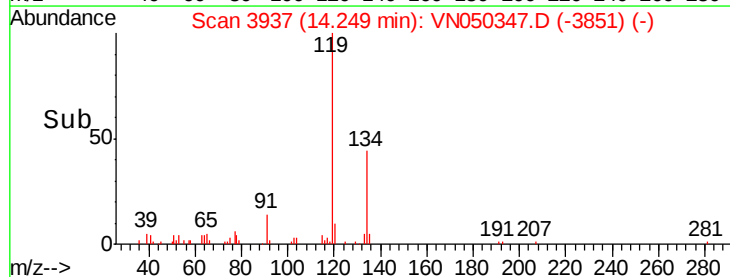
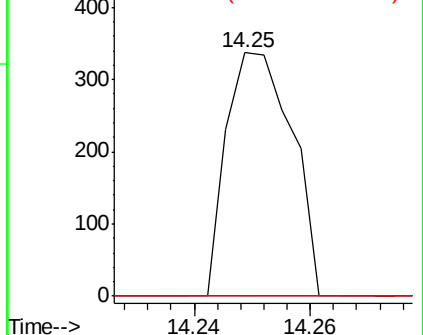
157 0.0 57.2 171.6#

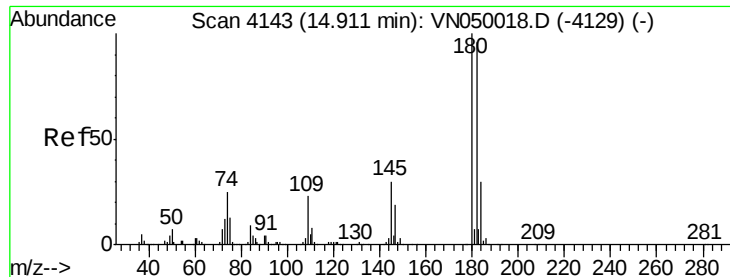


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

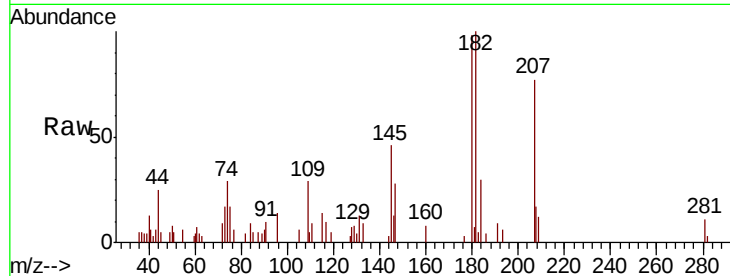




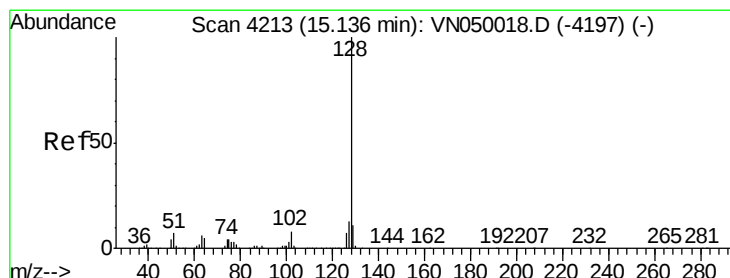
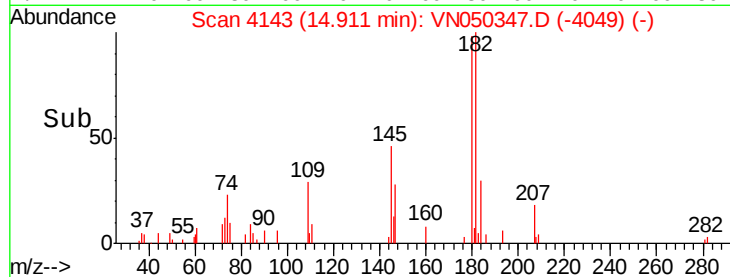
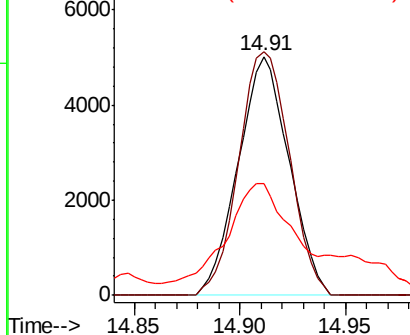
#93
 1,2,4-Trichlorobenzene
 Concen: 4.20 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050347.D
 Acq: 4 Aug 2018 6:18

Instrument :
 MSVOA_N
 ClientSampleId :
 C-10

Tot Ion:180 Resp: 8415
 Ion Ratio Lower Upper
 180 100
 182 101.6 46.7 140.1
 145 85.2 13.8 41.4#

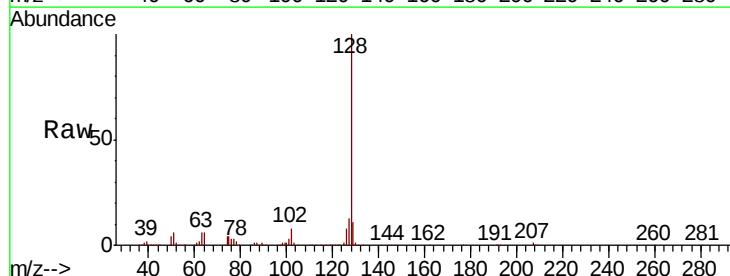


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

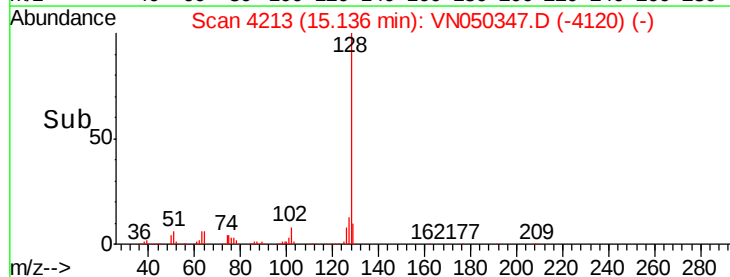
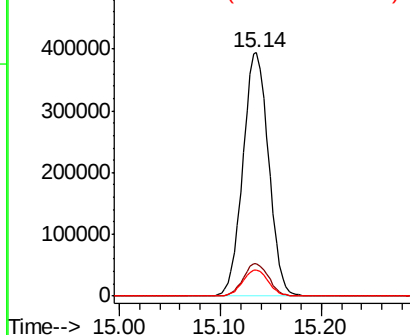


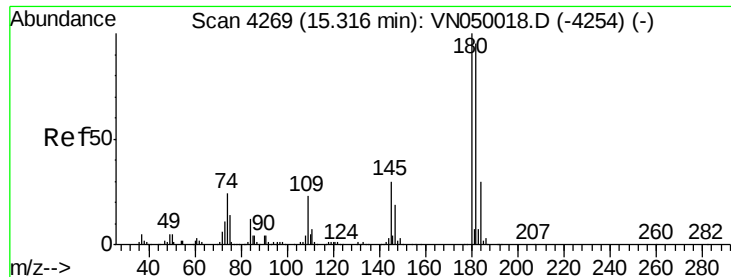
#95
 Naphthalene
 Concen: 42.25 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050347.D
 Acq: 4 Aug 2018 6:18

Tgt Ion:128 Resp: 693643
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 10.6 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





#96
 1,2,3-Trichlorobenzene
 Concen: 2.40 ua/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050347.D
 Acq: 4 Aug 2018 6:18

Instrument :
 MSVOA_N
 ClientSampleId :
 C-10

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	48.1	144.4
145	235.4	15.3	45.9#

