

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050237.D
 Acq On : 1 Aug 2018 10:11
 Operator : MD\SY
 Sample : J4256-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 00:50:50 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	630908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1041245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	846124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	445598	50.62	ug/l	0.00
Spiked Amount						
			Recovery	=	101.24%	
35) Dibromofluoromethane	7.59	113	399751	47.02	ug/l	0.00
Spiked Amount						
			Recovery	=	94.04%	
50) Toluene-d8	10.09	98	1397652	44.72	ug/l	0.00
Spiked Amount						
			Recovery	=	89.44%	
62) 4-Bromofluorobenzene	12.40	95	370963	36.05	ug/l	0.00
Spiked Amount						
			Recovery	=	72.10%	

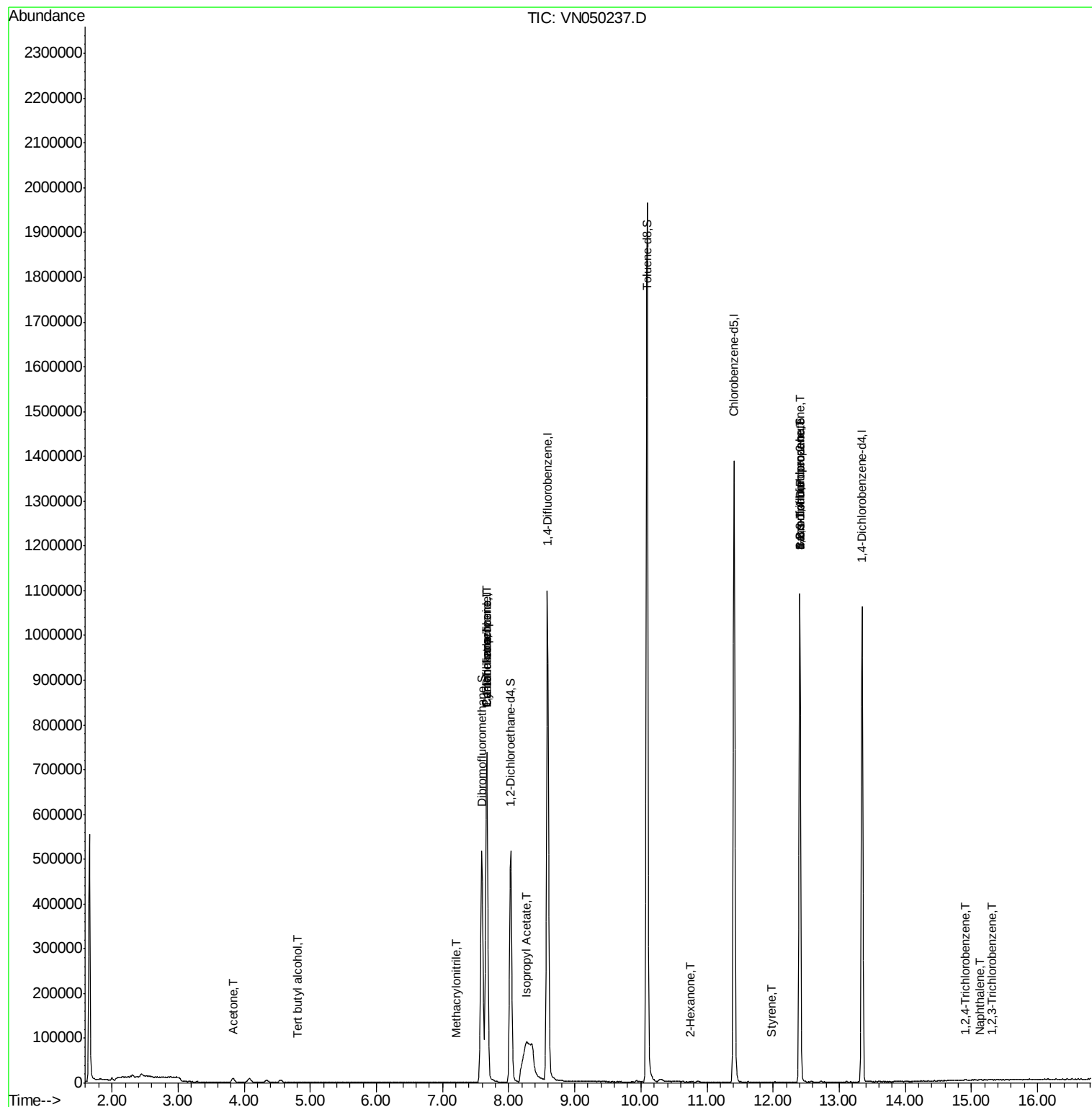
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	925	Below Cal	#	66
11) Tert butyl alcohol	4.81	59	146	0.23	ug/l #	72
16) Acetone	3.83	43	16292	3.58	ug/l	97
18) Methyl Acetate	4.34	43	9246	Below Cal		99
20) Methylene Chloride	4.55	84	4257	Below Cal		93
31) Cyclohexane	7.67	56	12021	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43964	3.75	ug/l #	49
38) Carbon Tetrachloride	7.67	117	57843	4.65	ug/l #	17
41) Methacrylonitrile	7.20	41	31	2.76	ug/l #	10
43) Isopropyl Acetate	8.27	43	126941	7.26	ug/l #	61
59) 2-Hexanone	10.76	43	634	5.28	ug/l #	40
70) Styrene	11.97	104	263	0.93	ug/l #	25
71) Bromoform	12.41	173	3385	0.57	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	30	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	182634	32.32	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	182634	102.50	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	449	3.16	ug/l #	82
95) Naphthalene	15.14	128	1529	4.52	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.31	180	341	2.26	ug/l #	55

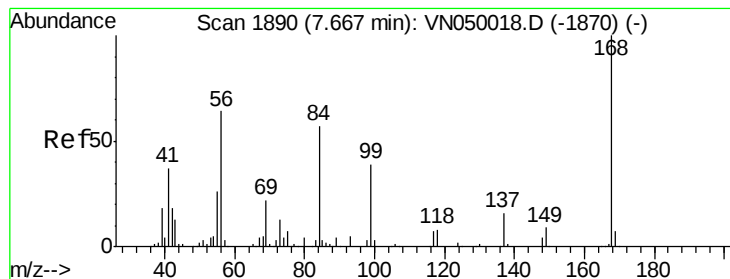
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1891

Delta R.T. 0.00 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

Instrument :

MSVOA_N

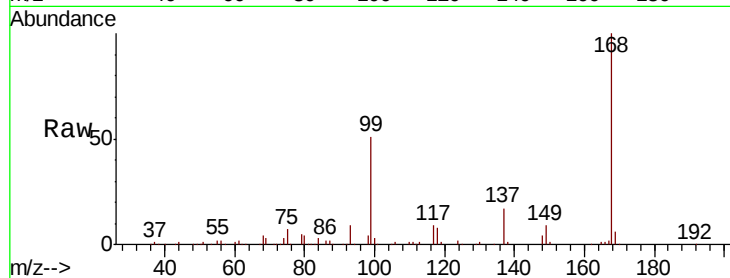
ClientSampleId :

Tot Ion:168 Resp: 630908

Ion Ratio Lower Upper

168 100

99 51.1 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

250000

200000

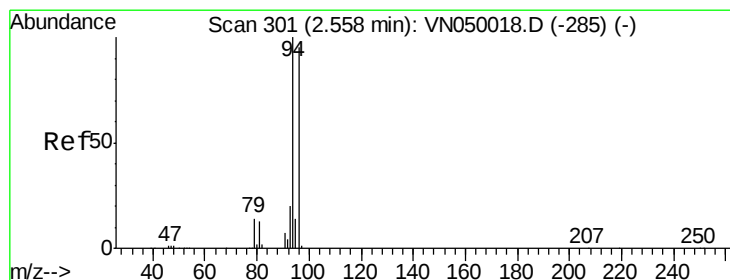
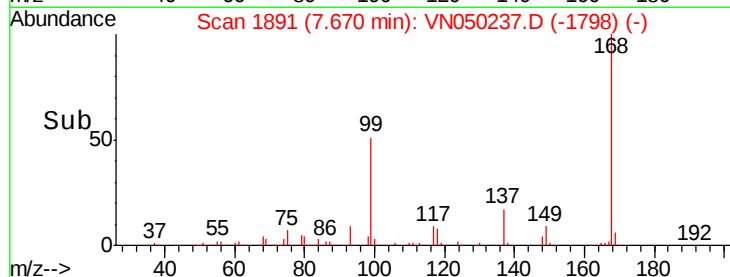
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050237.D

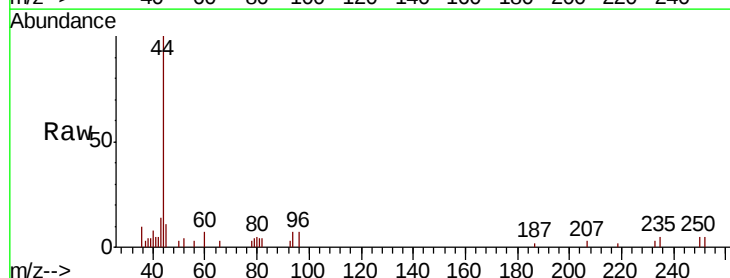
Acq: 1 Aug 2018 10:11

Tgt Ion: 94 Resp: 925

Ion Ratio Lower Upper

94 100

96 60.8 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.56

500

400

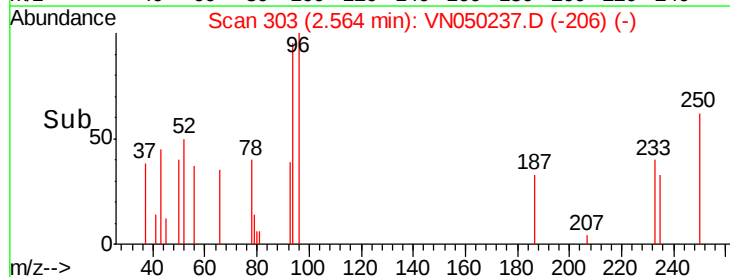
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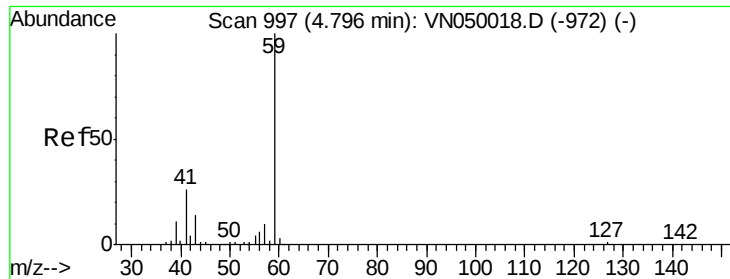
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100

0

Time-->

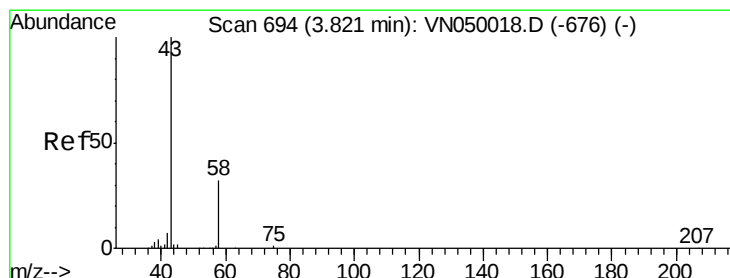
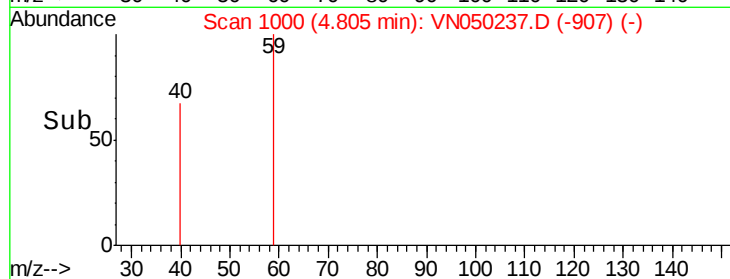
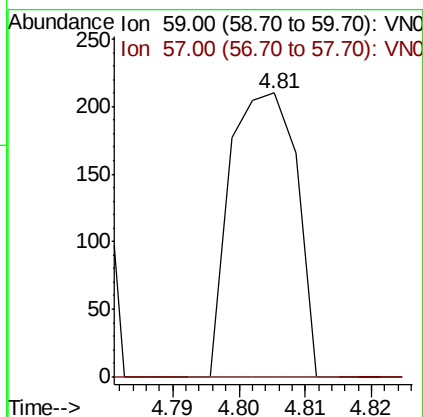
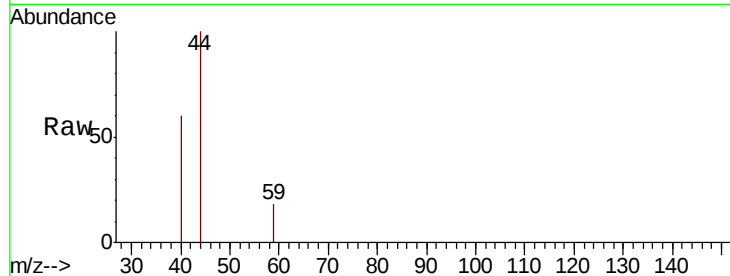




#11
Tert butyl alcohol
Concen: 0.23 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN050237.D
Acq: 1 Aug 2018 10:11

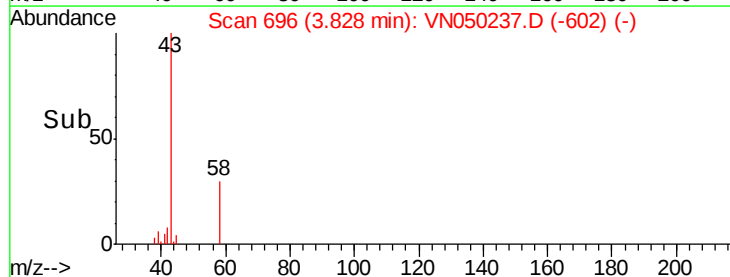
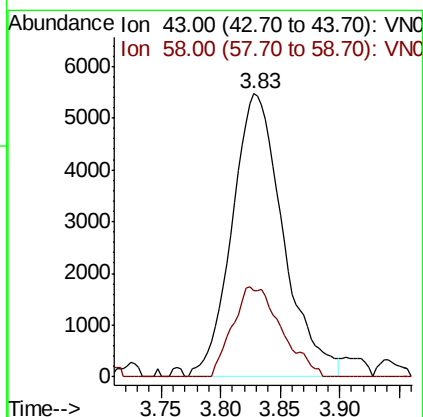
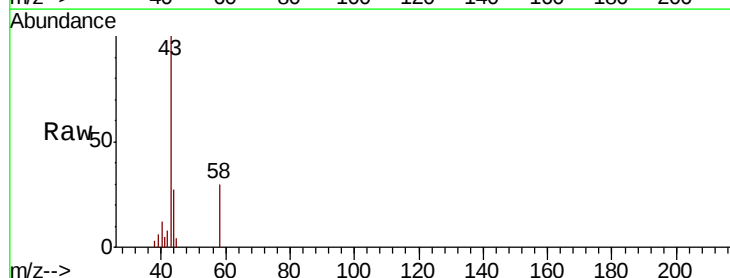
Instrument :
MSVOA_N
ClientSampled :

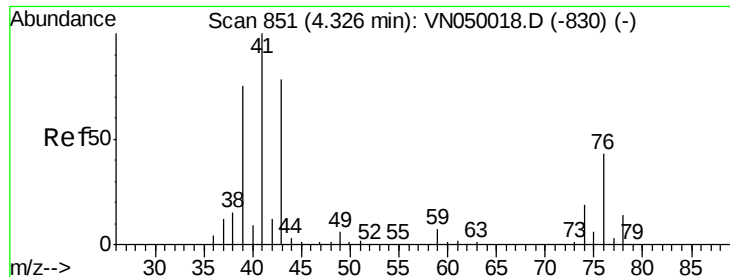
Tot Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 3.58 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN050237.D
Acq: 1 Aug 2018 10:11

Tgt Ion: 43 Resp: 16292
Ion Ratio Lower Upper
43 100
58 30.4 25.8 38.8

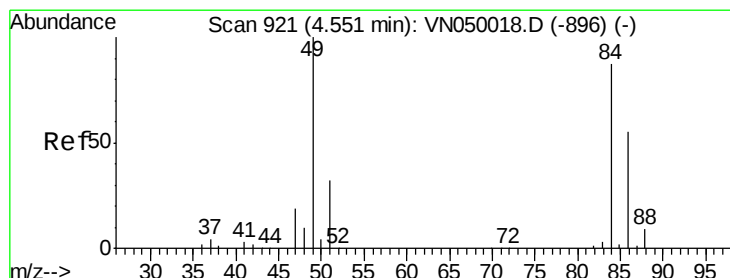
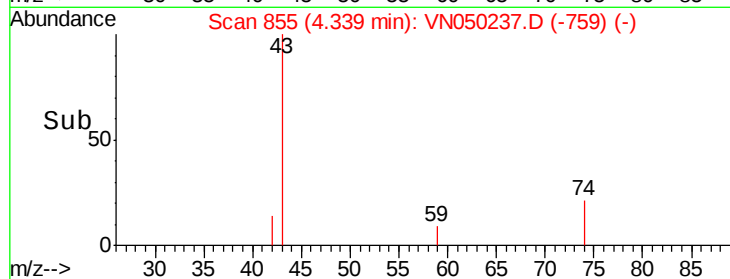
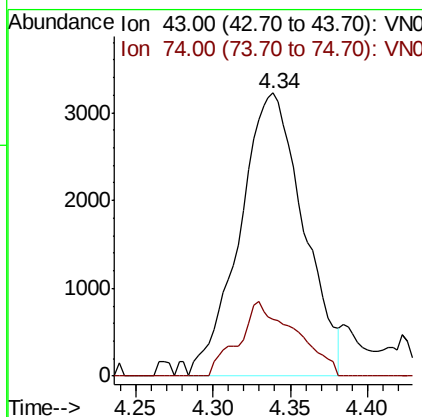
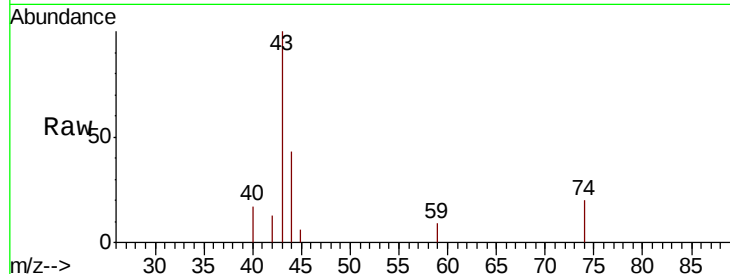




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050237.D
Acq: 1 Aug 2018 10:11

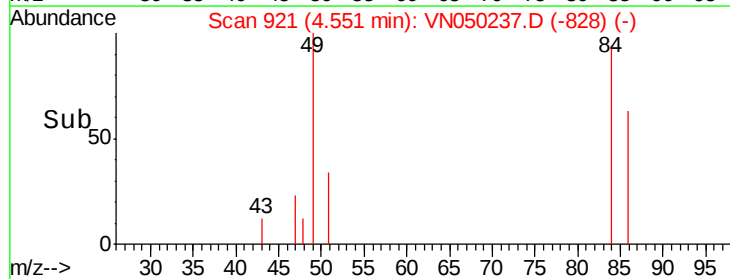
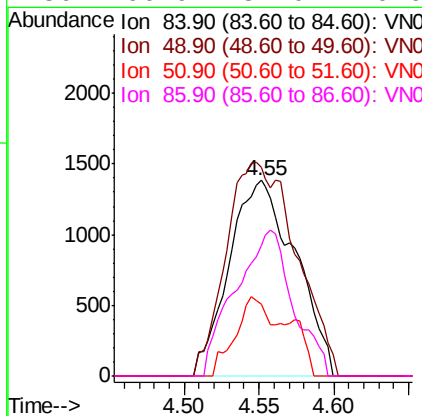
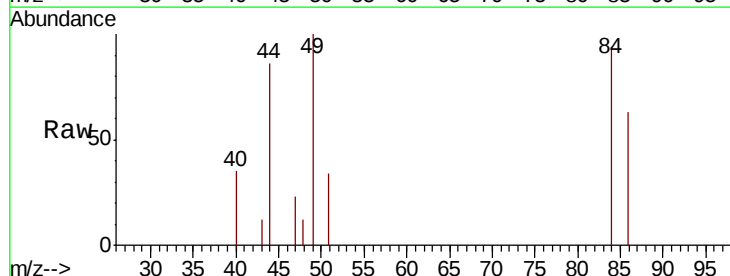
Instrument :
MSVOA_N
ClientSampleId :

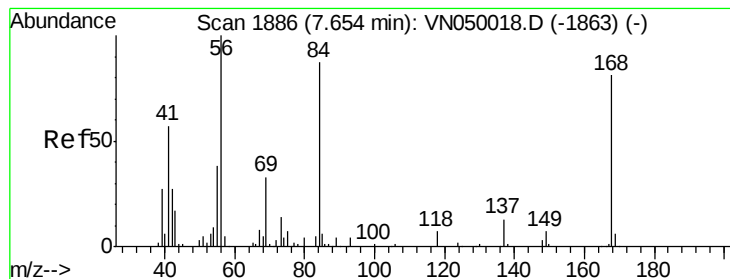
Tot Ion: 43 Resp: 9246
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050237.D
Acq: 1 Aug 2018 10:11

Tgt Ion: 84 Resp: 4257
Ion Ratio Lower Upper
84 100
49 106.8 94.8 142.2
51 36.5 28.3 42.5
86 66.9 51.0 76.6





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

Instrument :

MSVOA_N

ClientSampled :

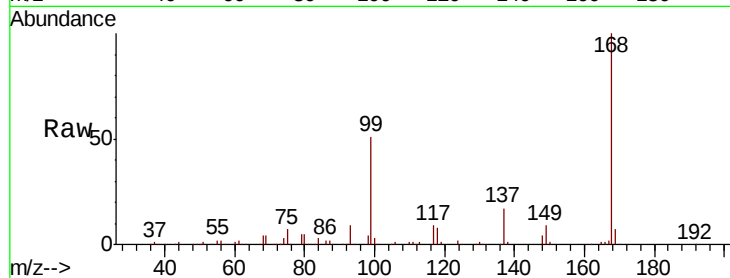
Tot Ion: 56 Resp: 12021

Ion Ratio Lower Upper

56 100

69 182.0 26.2 39.4#

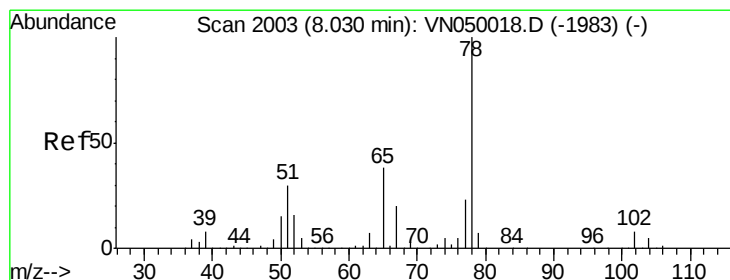
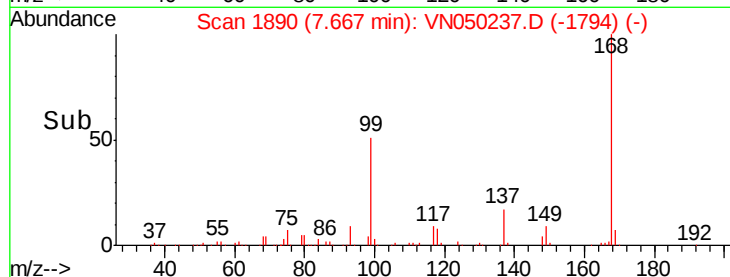
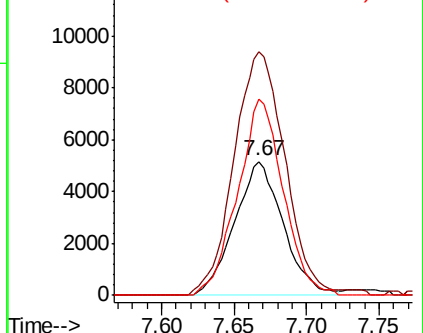
84 146.3 67.4 101.0#



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



#33

1,2-Dichloroethane-d4

Concen: 50.62 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050237.D

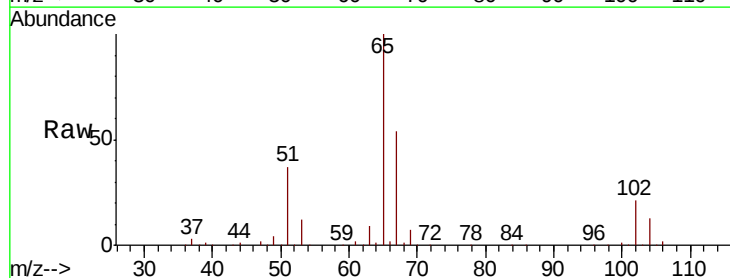
Acq: 1 Aug 2018 10:11

Tgt Ion: 65 Resp: 445598

Ion Ratio Lower Upper

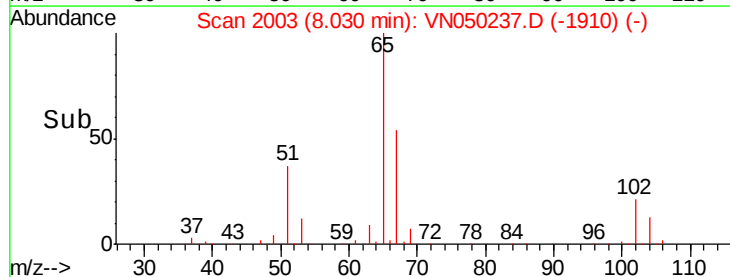
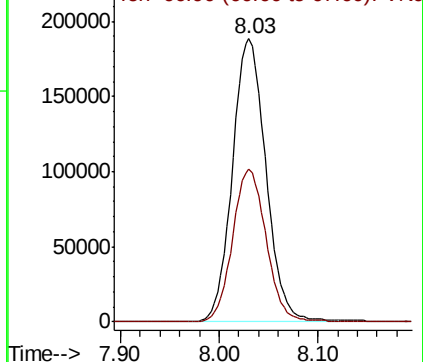
65 100

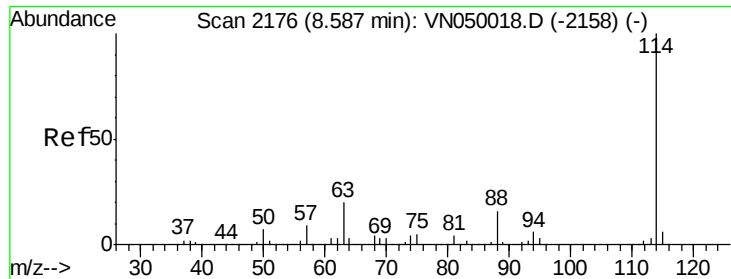
67 54.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

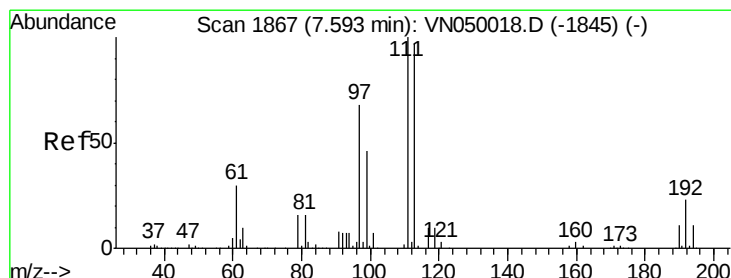
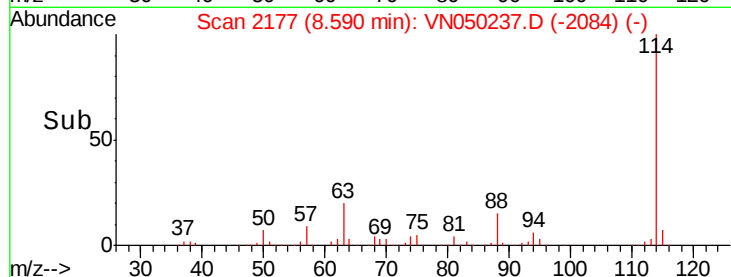
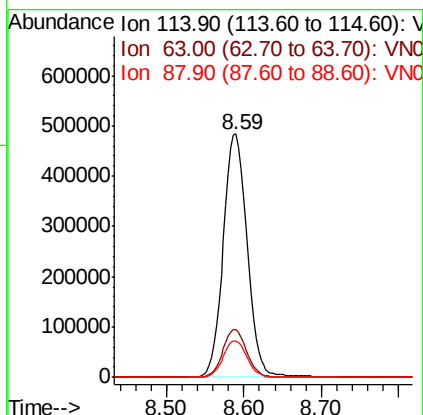
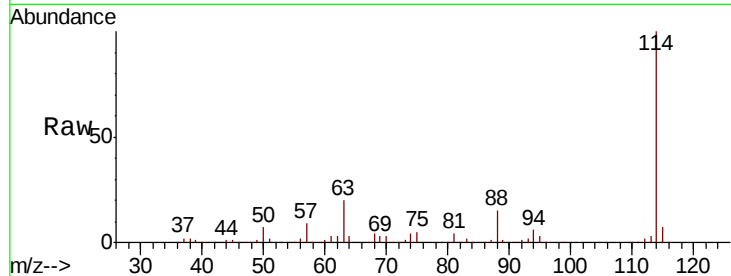




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050237.D
 Acq: 1 Aug 2018 10:11

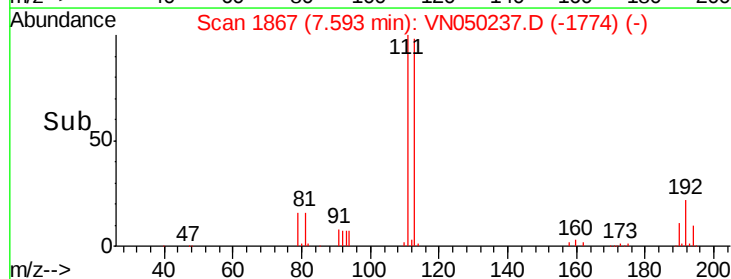
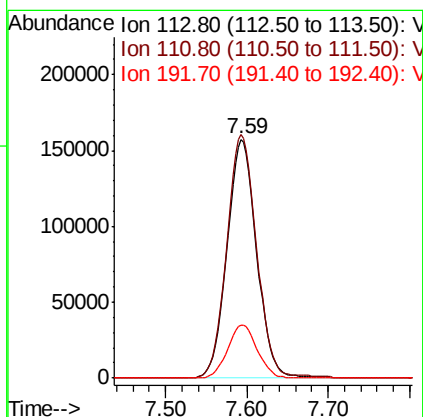
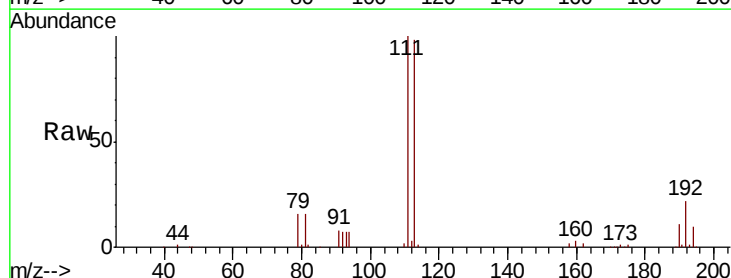
Instrument :
 MSVOA_N
 ClientSampleId :

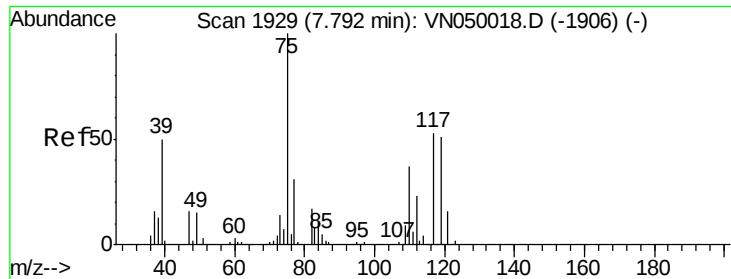
Tot Ion:114 Resp: 1041245
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 14.9 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 47.02 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050237.D
 Acq: 1 Aug 2018 10:11

Tgt Ion:113 Resp: 399751
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.7 121.1
 192 22.3 17.8 26.6





#36

1,1-Dichloropropene

Concen: 3.75 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.13 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :

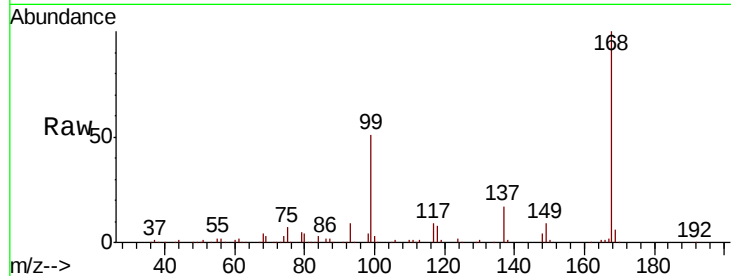
Tot Ion: 75 Resp: 43964

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.2#

77 0.0 25.3 37.9#

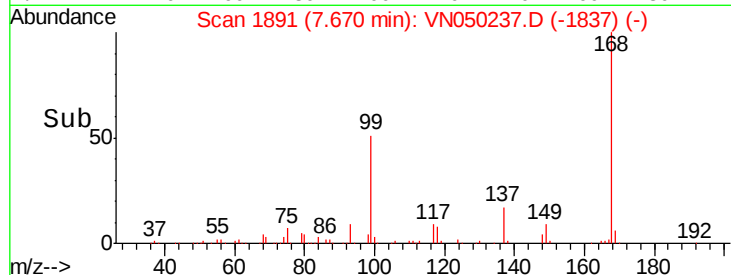


Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-1906) (-)

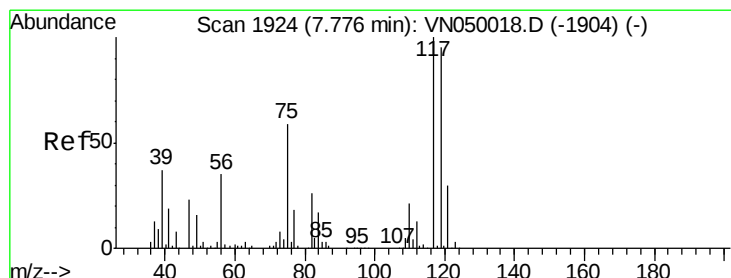
Ion 109.90 (109.60 to 110.60): VN050018.D (-1906) (-)

Ion 76.90 (76.60 to 77.60): VN050018.D (-1906) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 4.65 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

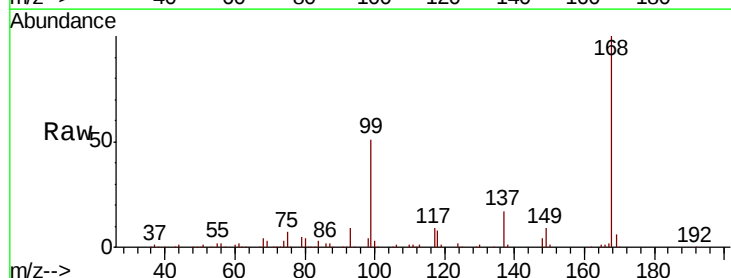
Tgt Ion: 117 Resp: 57843

Ion Ratio Lower Upper

117 100

119 6.6 77.4 116.0#

121 0.0 23.9 35.9#

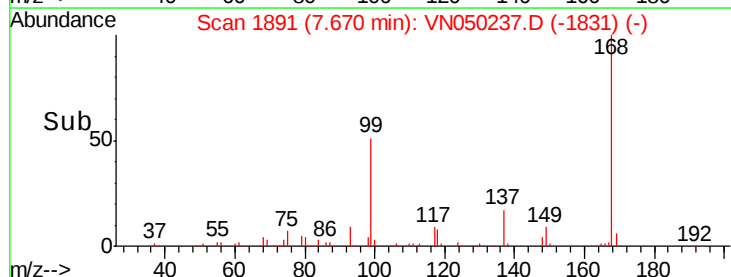


Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-1904) (-)

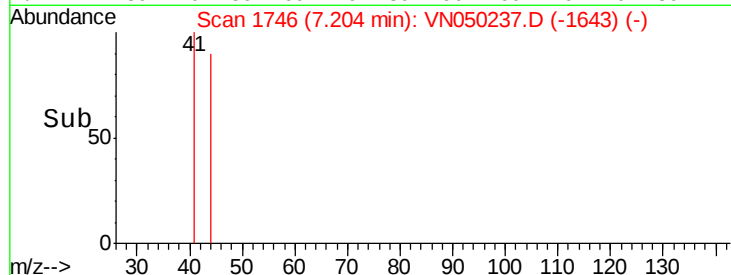
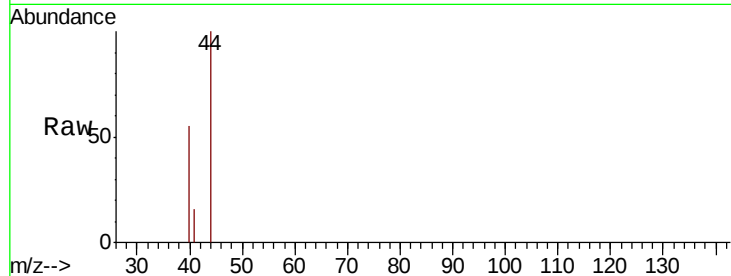
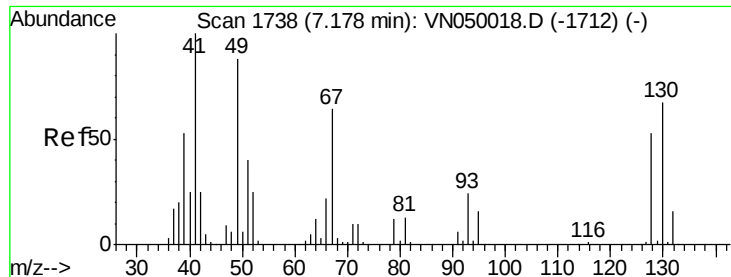
Ion 118.80 (118.50 to 119.50): VN050018.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN050018.D (-1904) (-)

Time-->



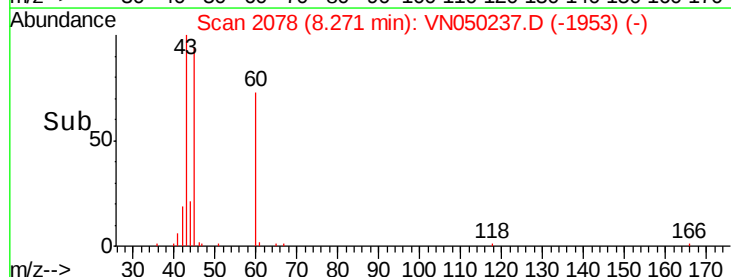
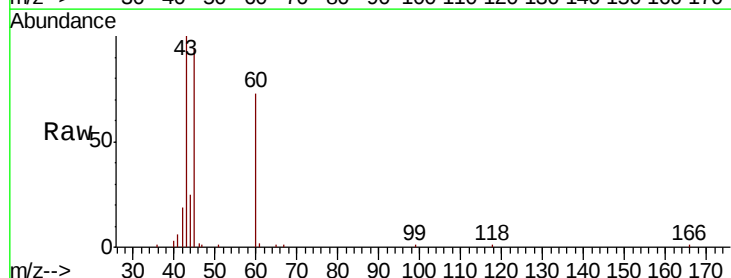
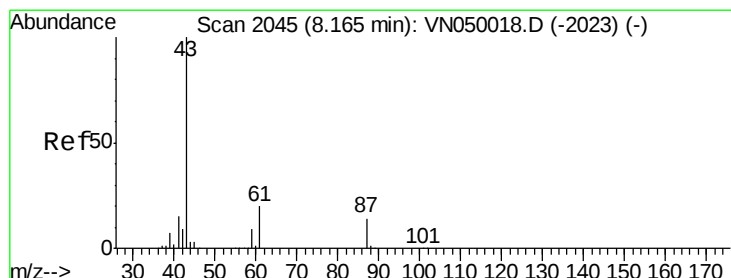
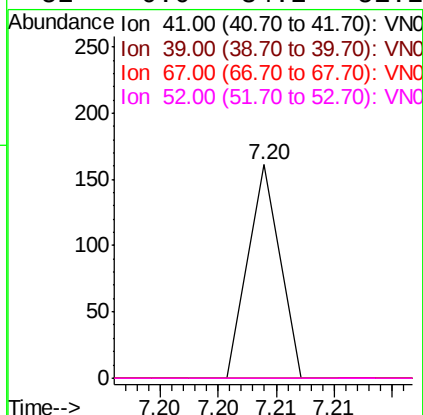
Time-->



#41
Methacrylonitrile
Concen: 2.76 ug/l
RT: 7.20 min Scan# 1746
Delta R.T. 0.03 min
Lab File: VN050237.D
Acq: 1 Aug 2018 10:11

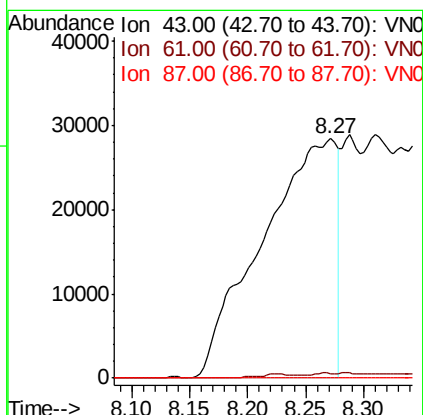
Instrument :
MSVOA_N
ClientSampleId :

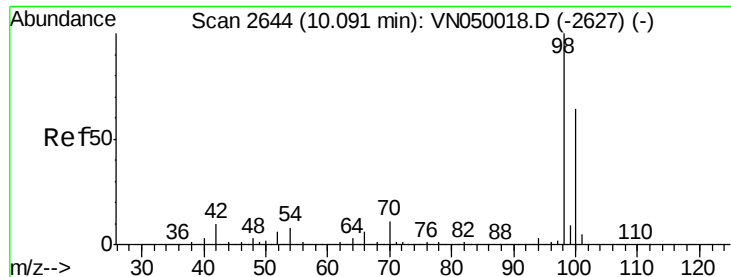
Tot Ion: 41 Resp: 31
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 7.26 ug/l
RT: 8.27 min Scan# 2078
Delta R.T. 0.10 min
Lab File: VN050237.D
Acq: 1 Aug 2018 10:11

Tgt Ion: 43 Resp: 126941
Ion Ratio Lower Upper
43 100
61 0.2 15.8 23.6#
87 0.0 10.3 15.5#





#50

Toluene-d8

Concen: 44.72 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

Instrument :

MSVOA_N

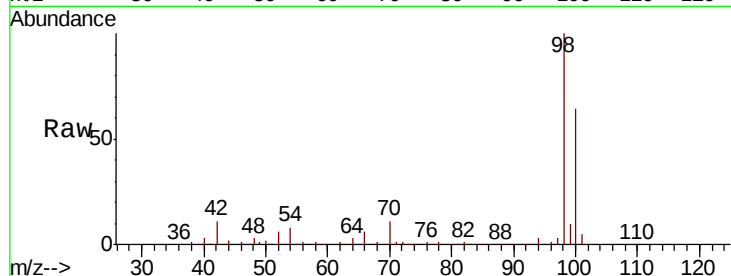
ClientSampled :

Tot Ion: 98 Resp: 1397652

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): VN

10.09

800000

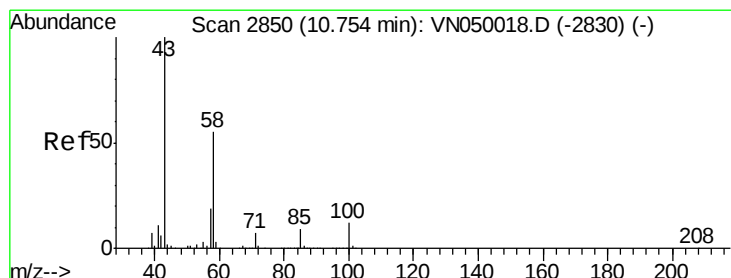
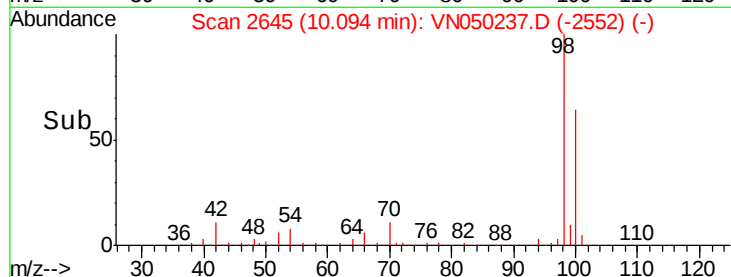
600000

400000

200000

0

Time-->



#59

2-Hexanone

Concen: 5.28 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN050237.D

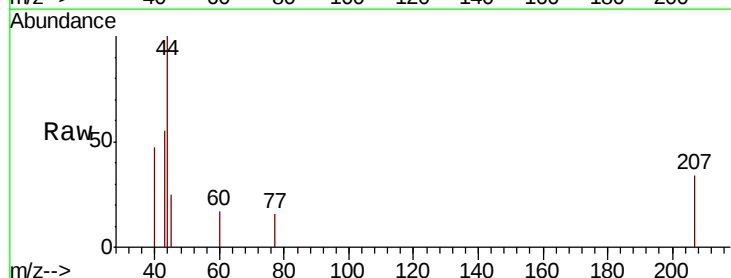
Acq: 1 Aug 2018 10:11

Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

58 11.4 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

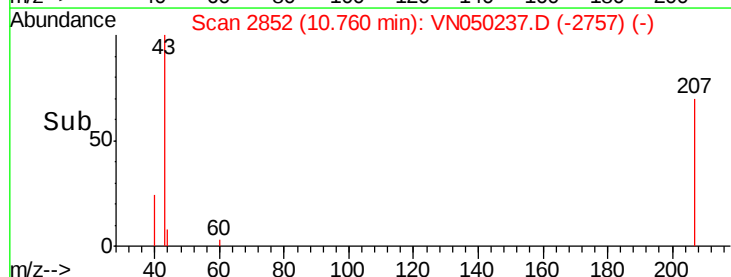
600

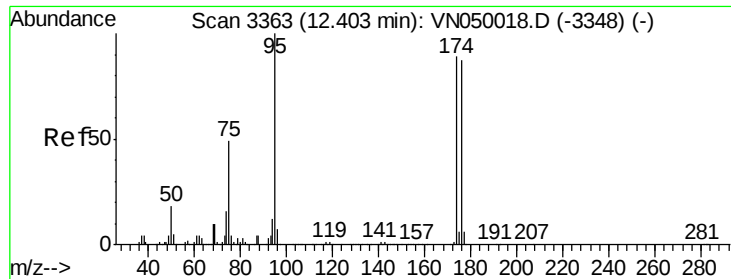
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 36.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

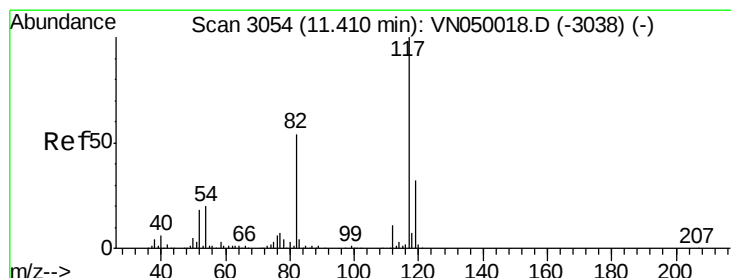
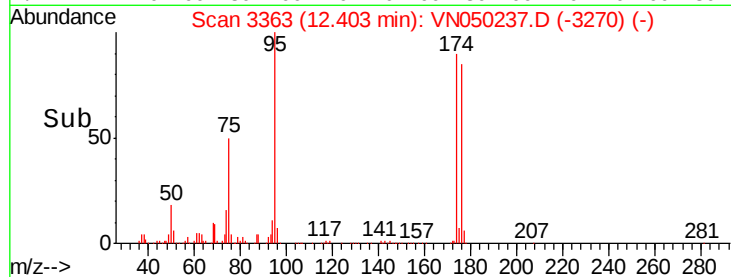
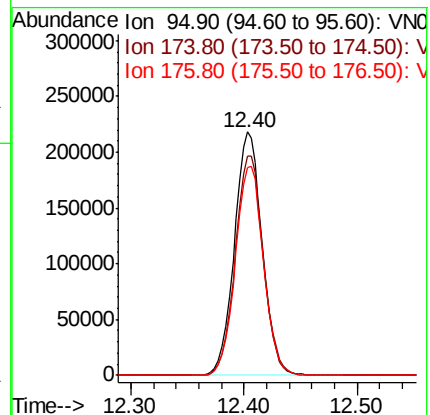
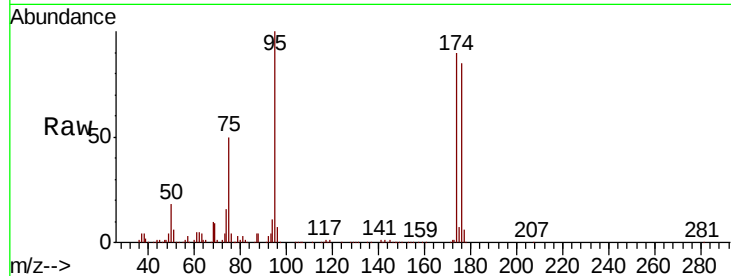
Tot Ion: 95 Resp: 370963

Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.2

176 87.3 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: VN050237.D

Acq: 1 Aug 2018 10:11

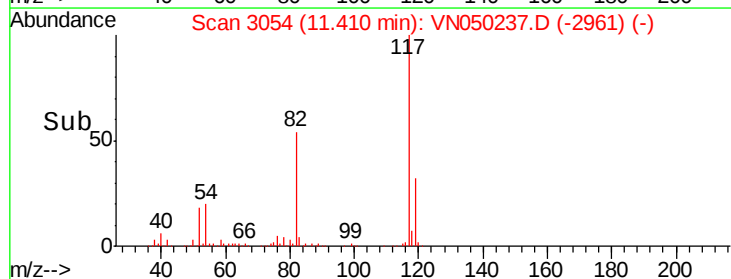
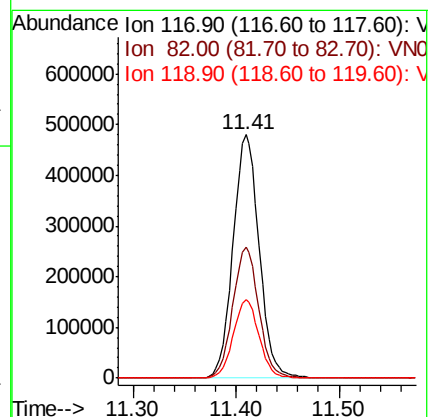
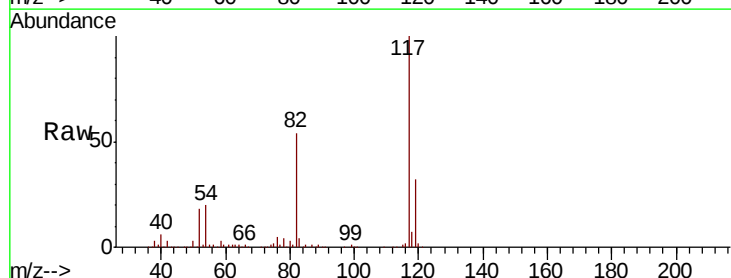
Tgt Ion: 117 Resp: 846124

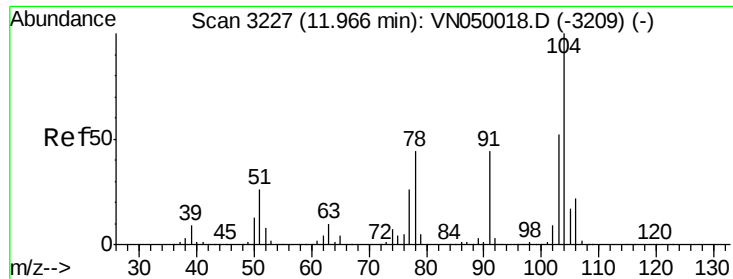
Ion Ratio Lower Upper

117 100

82 53.6 43.7 65.5

119 32.2 26.1 39.1

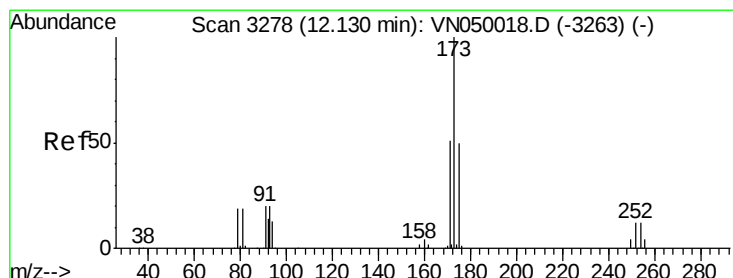
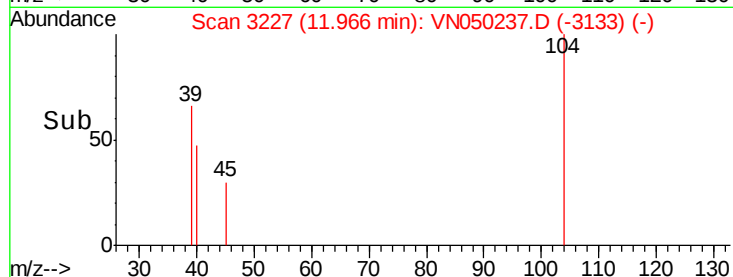
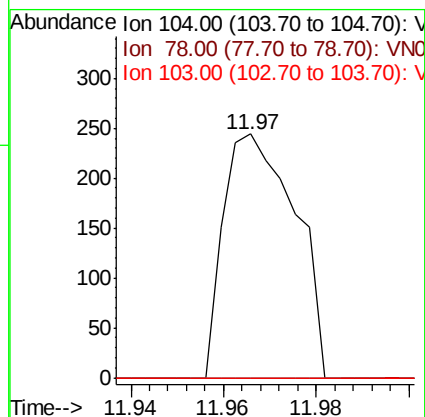
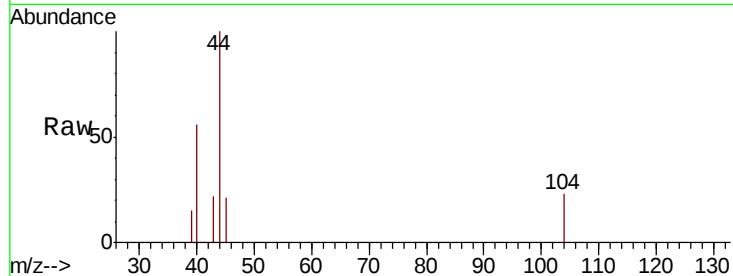




#70
Stvrene
Concen: 0.93 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050237.D
Acq: 1 Aug 2018 10:11

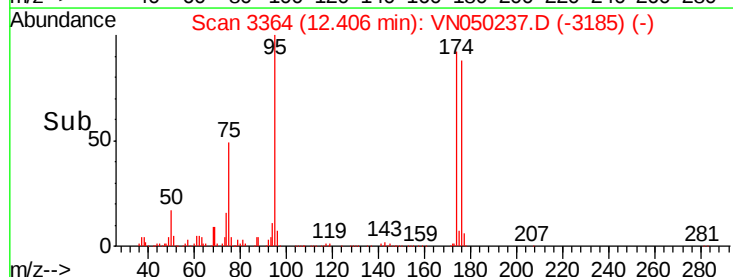
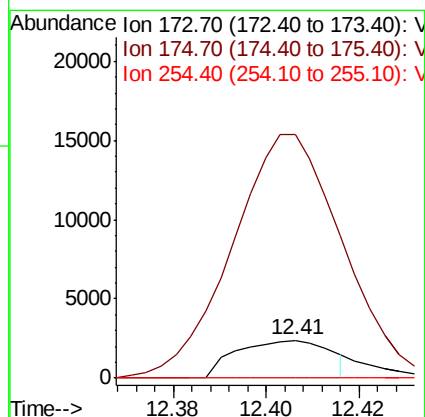
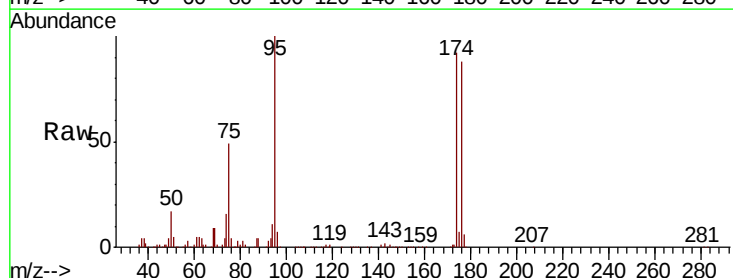
Instrument :
MSVOA_N
ClientSampled :

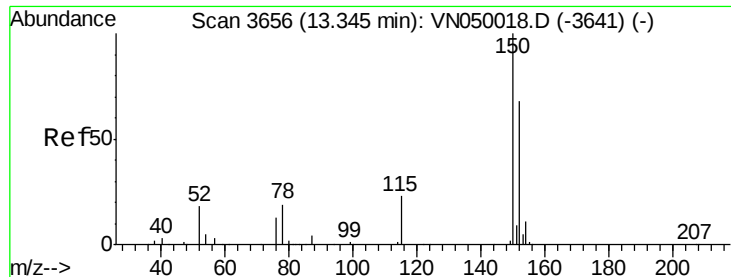
Tot Ion:104 Resp: 263
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 0.0 45.0 67.6#



#71
Bromoform
Concen: 0.57 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050237.D
Acq: 1 Aug 2018 10:11

Tgt Ion:173 Resp: 3385
Ion Ratio Lower Upper
173 100
175 658.0 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: VN050237.D

Acq: 1 Aug 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

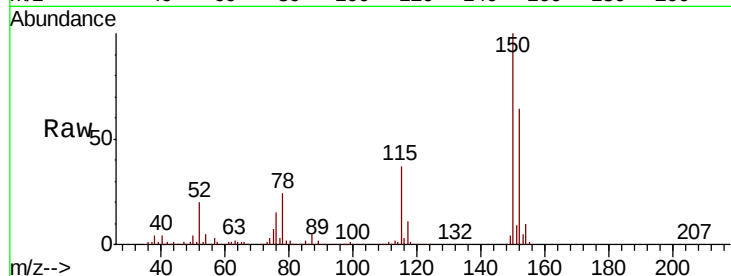
Tot Ion:152 Resp: 304106

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

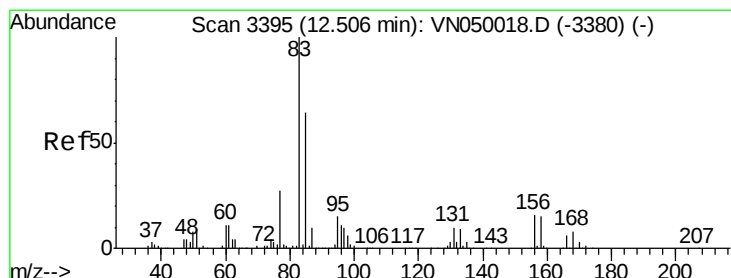
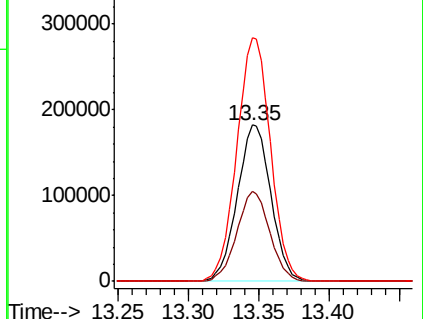
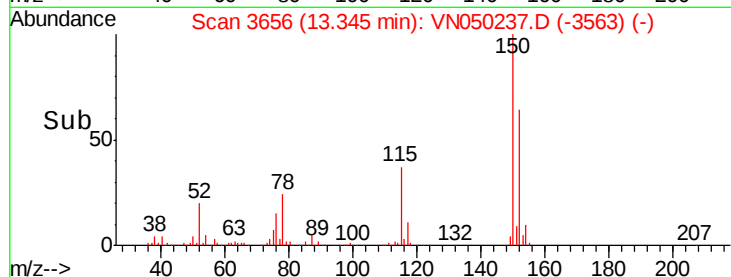
150 156.1 0.0 348.6



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: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

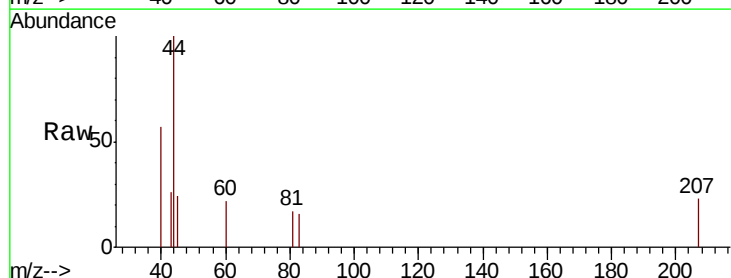
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

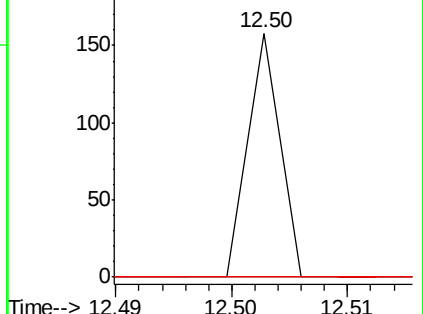
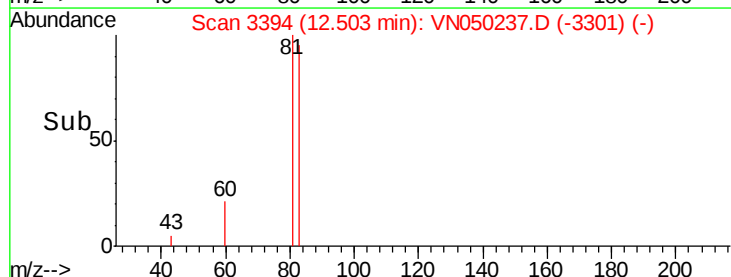
85 0.0 32.3 96.8#

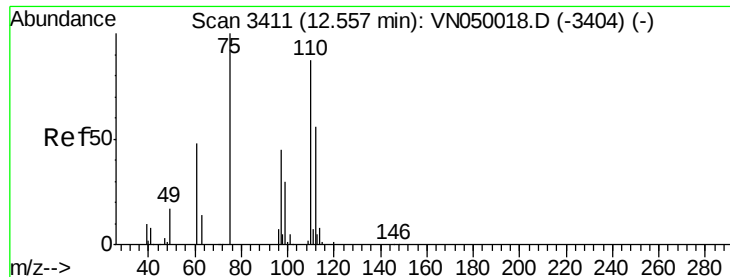


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 32.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

Instrument :

MSVOA_N

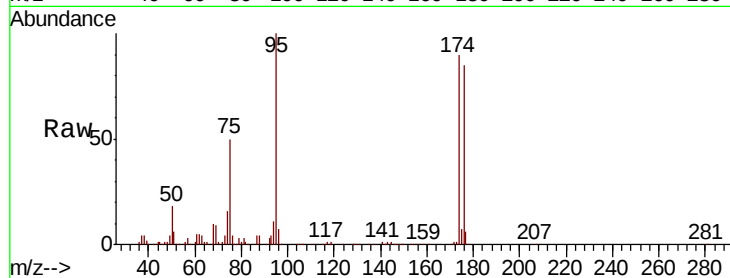
ClientSampleId :

Tot Ion: 75 Resp: 182634

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

120000

100000

80000

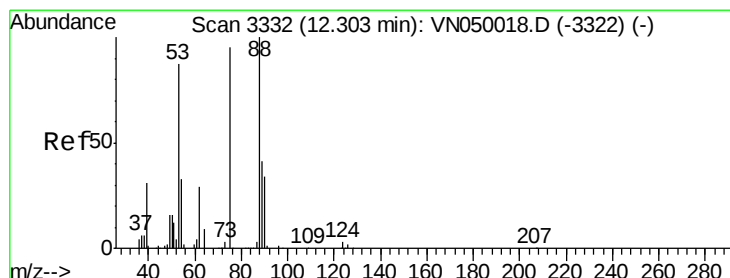
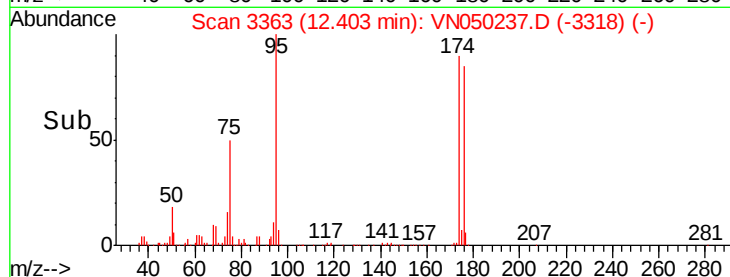
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 102.50 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

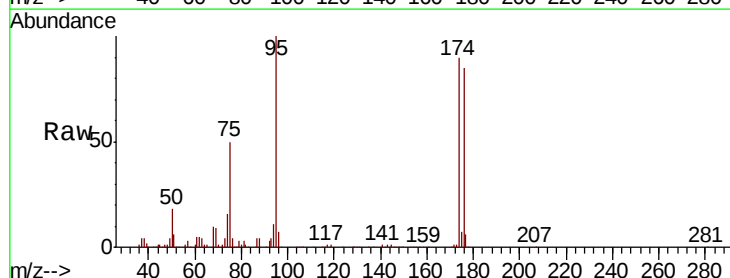
Tgt Ion: 75 Resp: 182634

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

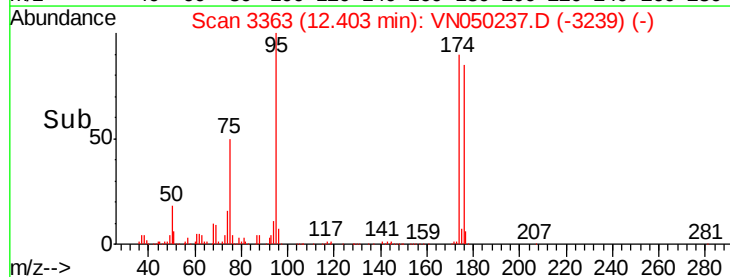
150000

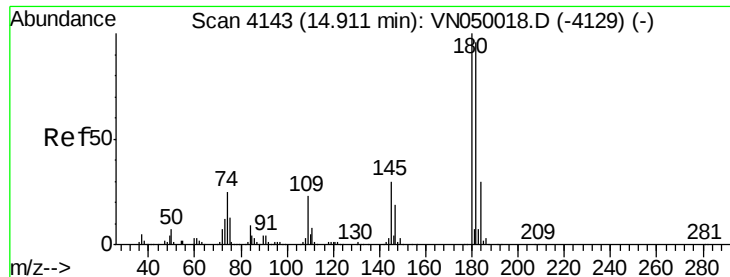
100000

50000

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 3.16 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

Instrument :

MSVOA_N

ClientSampled :

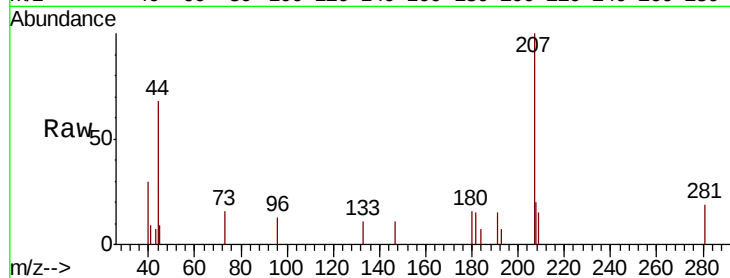
Tot Ion:180 Resp: 449

Ion Ratio Lower Upper

180 100

182 101.1 46.7 140.1

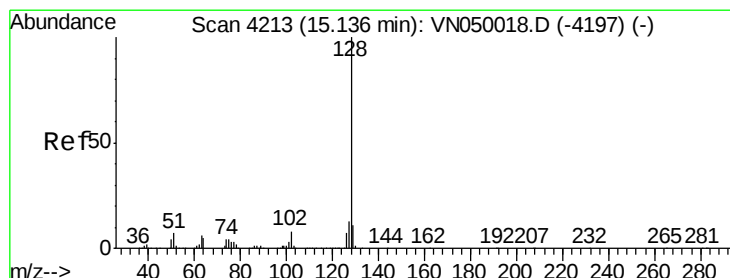
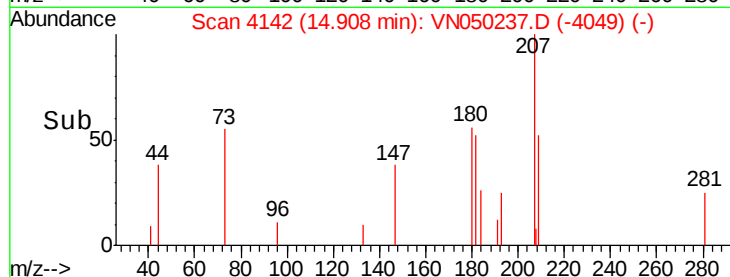
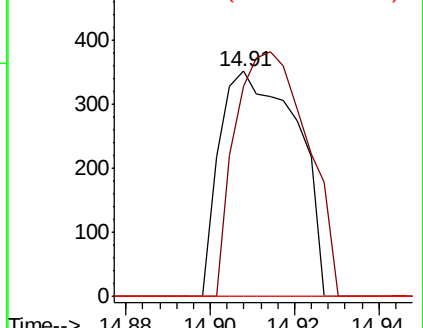
145 0.0 13.8 41.4#



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: 4.52 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

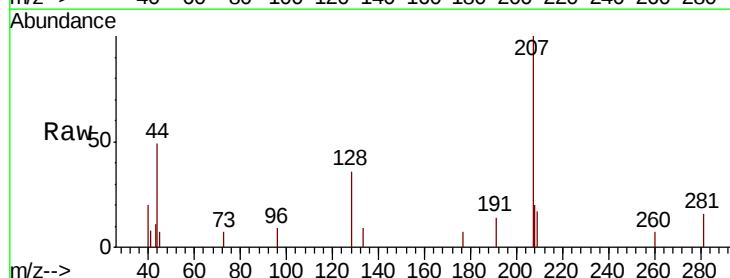
Tgt Ion:128 Resp: 1529

Ion Ratio Lower Upper

128 100

127 2.0 10.4 15.6#

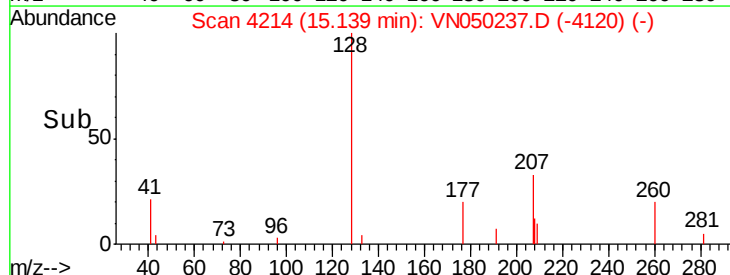
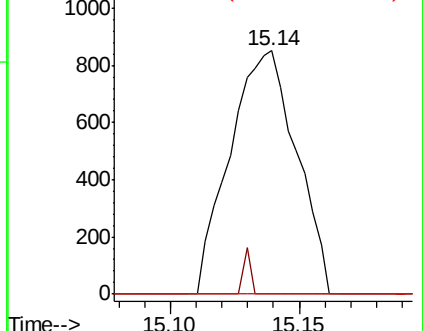
129 0.0 8.8 13.2#

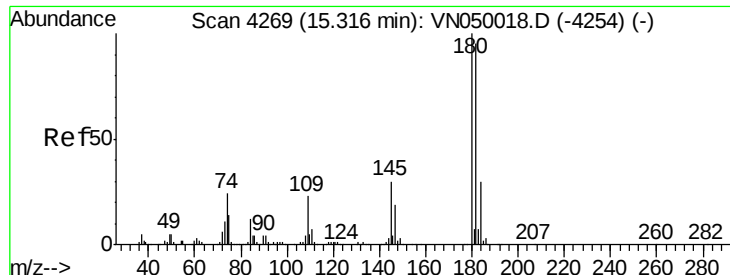


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.26 ua/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

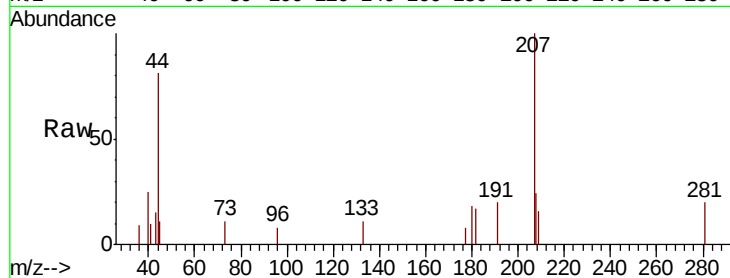
Lab File: VN050237.D

Acq: 1 Aug 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :



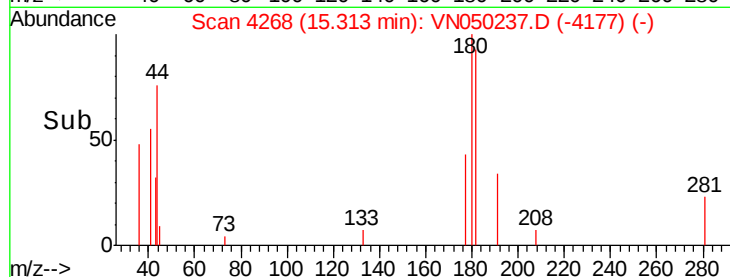
Tot Ion:180 Resp: 341

Ion Ratio Lower Upper

180 100

182 141.3 48.1 144.4

145 8.5 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

