

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050186.D
 Acq On : 30 Jul 2018 14:44
 Operator : MD\SY
 Sample : J4184-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3BDL

Quant Time: Jul 31 01:11:14 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	647599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1069290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	875849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	449630	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	7.59	113	406669	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
50) Toluene-d8	10.09	98	1446652	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
62) 4-Bromofluorobenzene	12.40	95	419500	39.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.38%	

Target Compounds

						Qvalue
5) Bromomethane	2.57	94	955	Below Cal	#	70
11) Tert butyl alcohol	4.77	59	248	0.37	ug/l #	72
16) Acetone	3.82	43	1504	Below Cal		95
18) Methyl Acetate	4.33	43	23535	1.25	ug/l	94
20) Methylene Chloride	4.55	84	1877	Below Cal		95
31) Cyclohexane	7.66	56	15738	1.20	ug/l #	9
36) 1,1-Dichloropropene	7.67	75	46009	3.82	ug/l #	42
38) Carbon Tetrachloride	7.67	117	58683	4.59	ug/l #	16
39) Methylcyclohexane	9.08	83	4987	0.40	ug/l #	84
40) Benzene	8.04	78	726215	19.81	ug/l	99
41) Methacrylonitrile	7.22	41	135	2.78	ug/l #	10
42) 1,2-Dichloroethane	8.05	62	6520	0.53	ug/l #	74
43) Isopropyl Acetate	8.25	43	240002	14.35	ug/l #	61
52) Toluene	10.16	92	67893	3.14	ug/l	98
56) Ethyl methacrylate	10.25	69	30	2.03	ug/l #	1
59) 2-Hexanone	10.74	43	124	5.19	ug/l #	24
67) Ethyl Benzene	11.51	91	968256	27.24	ug/l	100
68) m/p-Xylenes	11.63	106	102523	7.63	ug/l	99
69) o-Xylene	11.95	106	105010	8.19	ug/l	100
70) Styrene	11.95	104	9473	1.33	ug/l #	1
71) Bromoform	12.40	173	3536	0.57	ug/l #	1
73) Isopropylbenzene	12.25	105	43329	1.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.41	83	236	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	206533	31.26	ug/l #	100
78) n-propylbenzene	12.59	91	19822	0.64	ug/l	97
79) 2-Chlorotoluene	12.69	91	5960	0.31	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	30954	1.43	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	206533	99.17	ug/l #	13
83) tert-Butylbenzene	13.04	119	12471	0.66	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.04	105	90074	4.12	ug/l	98
85) sec-Butylbenzene	13.04	105	90074	3.56	ug/l #	56
86) p-Isopropyltoluene	13.29	119	6094	0.29	ug/l	88
90) Hexachloroethane	13.89	117	1082	0.23	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.47	75	100	Below Cal	#	1

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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

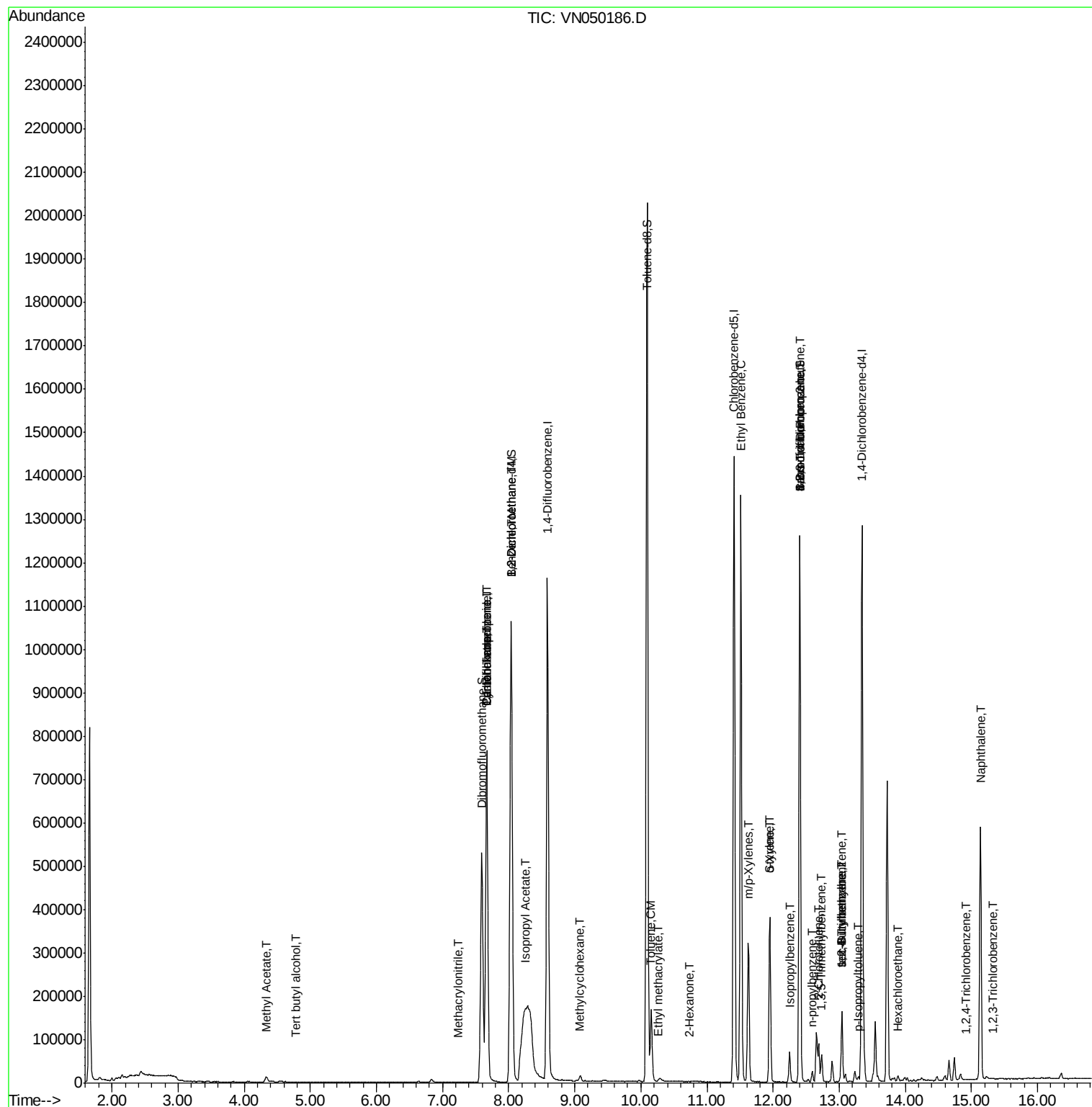
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	173	3.11	ug/l #	78
95) Naphthalene	15.14	128	514071	33.29	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	159	2.23	ug/l #	65

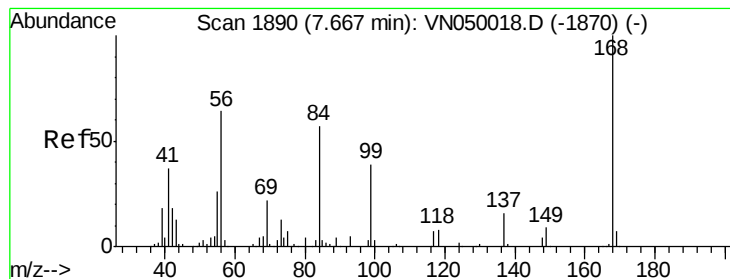
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampleId :

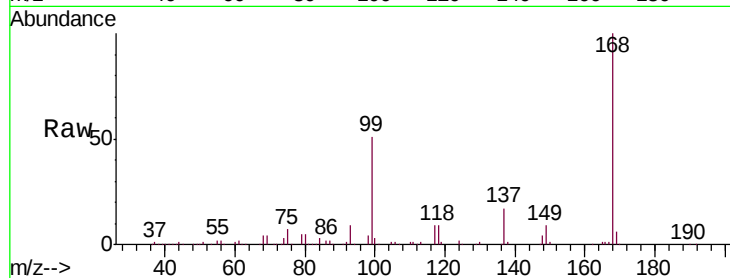
MW-3BDL

Tot Ion:168 Resp: 647599

Ion Ratio Lower Upper

168 100

99 50.9 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

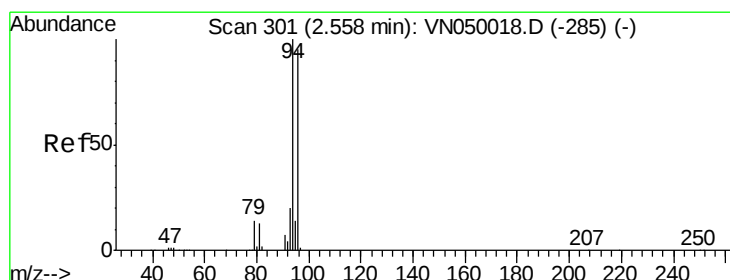
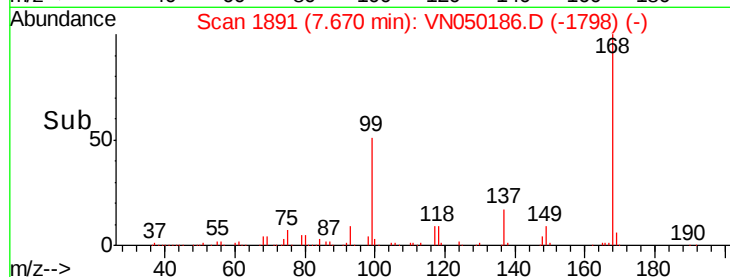
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN050186.D

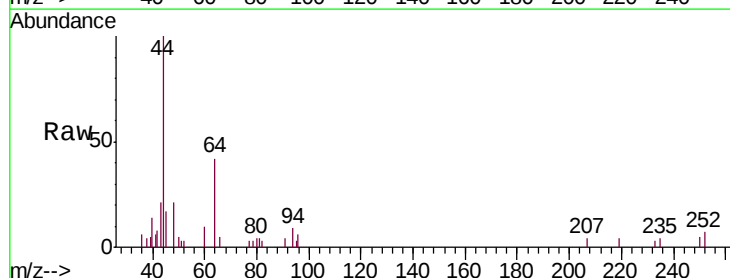
Acq: 30 Jul 2018 14:44

Tgt Ion: 94 Resp: 955

Ion Ratio Lower Upper

94 100

96 64.2 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

600

500

400

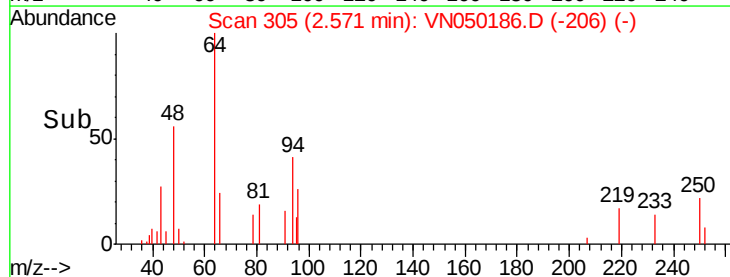
300

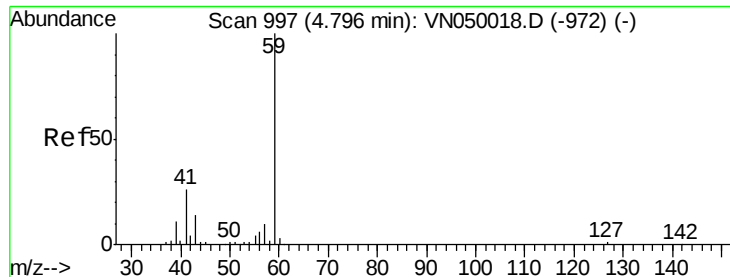
200

100

0

Time-->

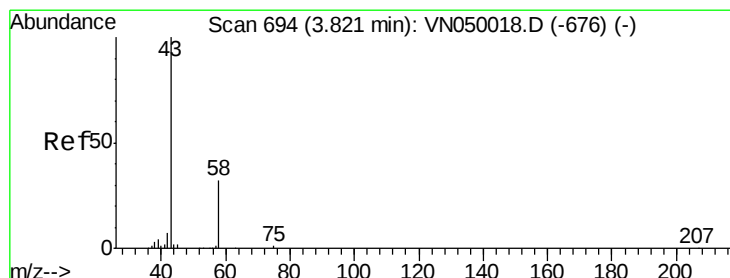
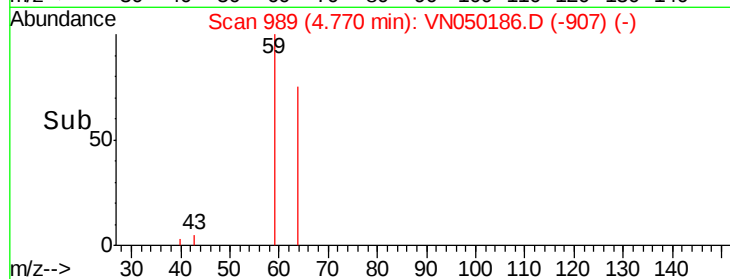
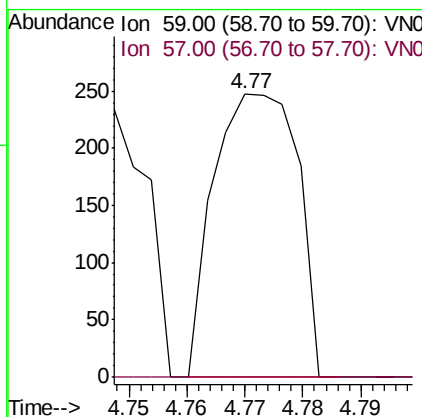
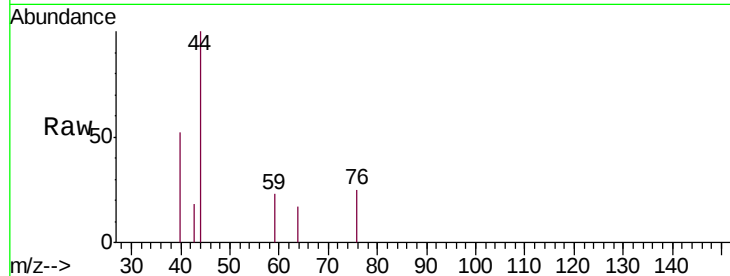




#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 4.77 min Scan# 989
Delta R.T. -0.04 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

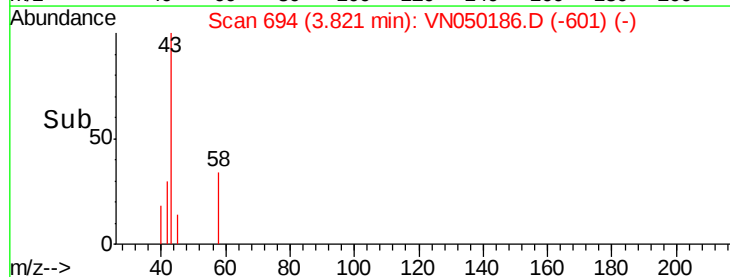
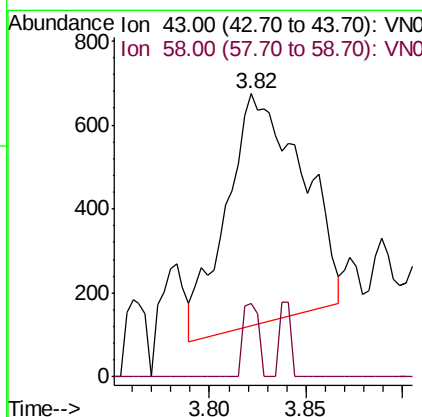
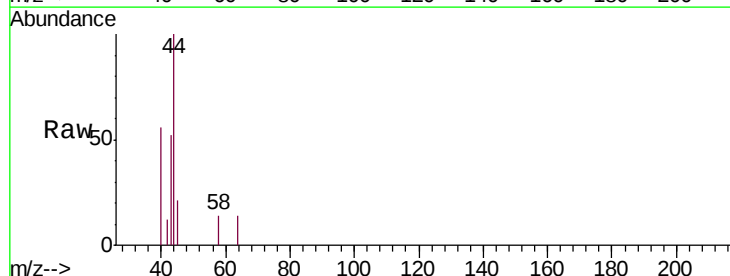
Instrument :
MSVOA_N
ClientSampled :
MW-3BDL

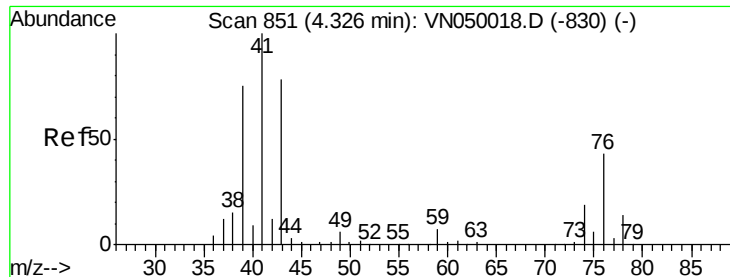
Tot Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
58 35.2 25.8 38.8

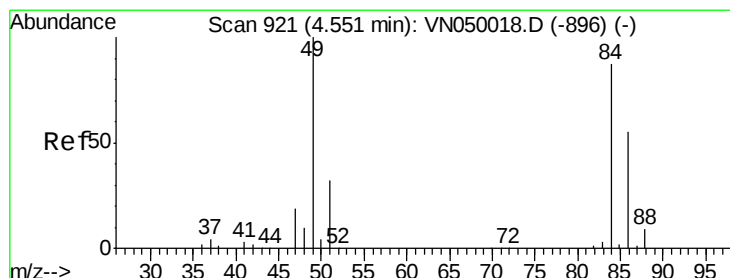
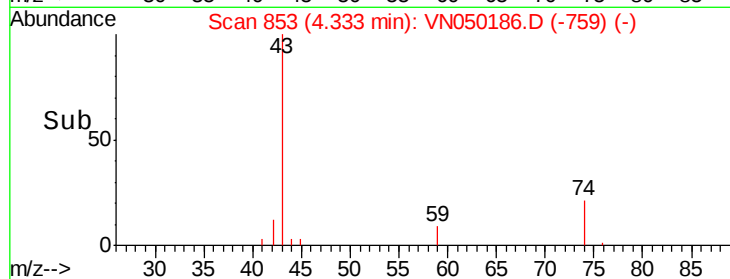
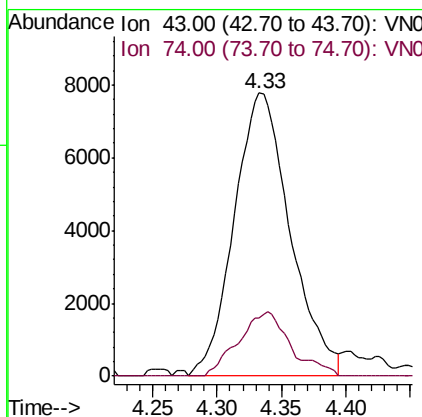
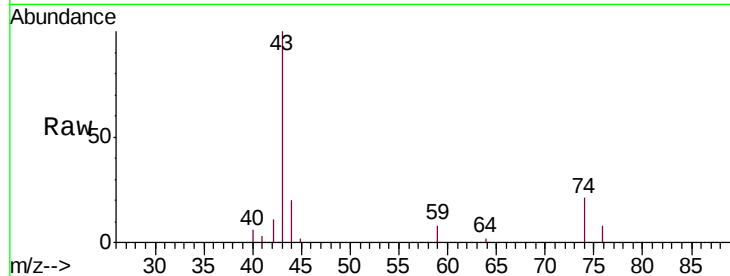




#18
Methyl Acetate
Concen: 1.25 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

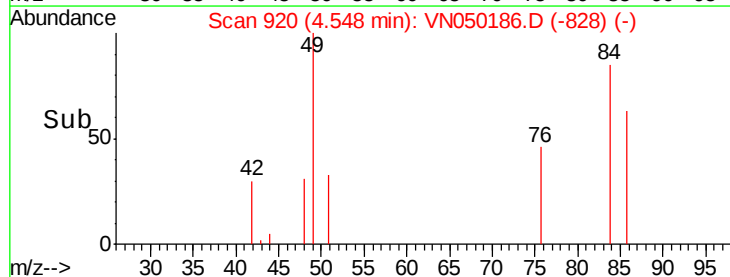
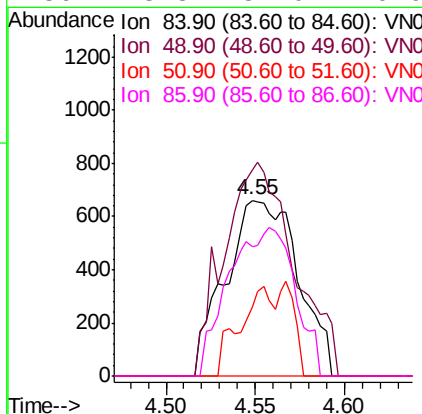
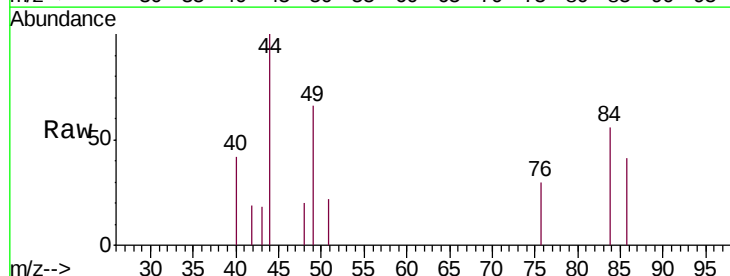
Instrument :
MSVOA_N
ClientSampled :
MW-3BDL

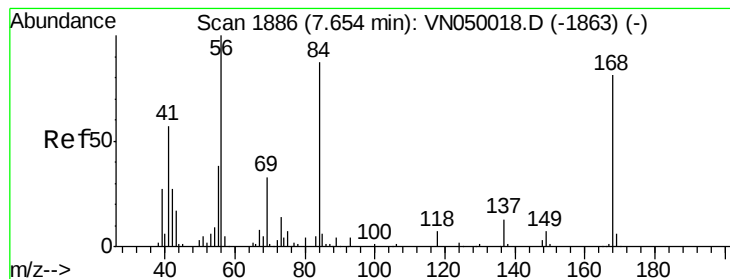
Tot Ion: 43 Resp: 23535
Ion Ratio Lower Upper
43 100
74 21.3 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

Tgt Ion: 84 Resp: 1877
Ion Ratio Lower Upper
84 100
49 117.4 94.8 142.2
51 39.2 28.3 42.5
86 73.8 51.0 76.6





#31

Cyclohexane

Concen: 1.20 ug/l

RT: 7.66 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-3BDL

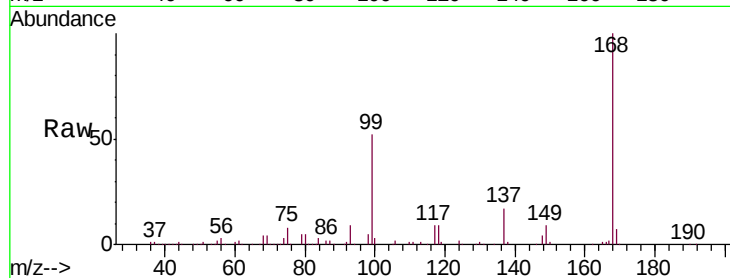
Tot Ion: 56 Resp: 15738

Ion Ratio Lower Upper

56 100

69 152.4 26.2 39.4#

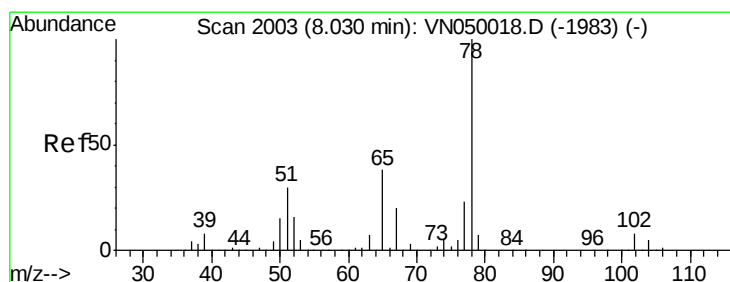
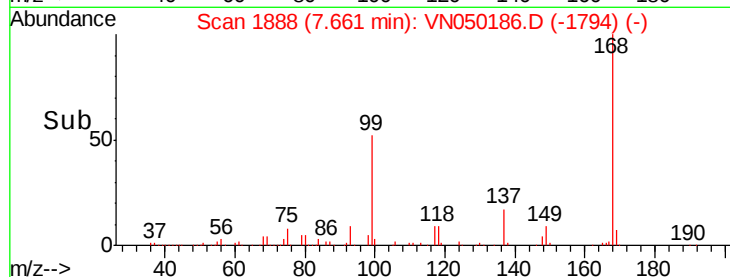
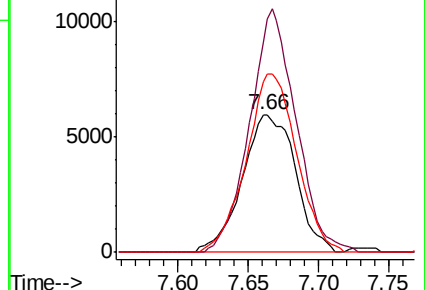
84 123.6 67.4 101.0#



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: 49.76 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050186.D

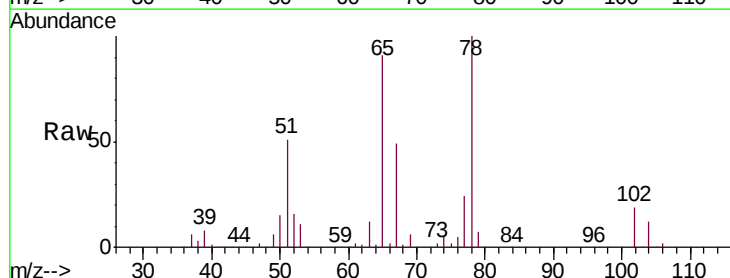
Acq: 30 Jul 2018 14:44

Tgt Ion: 65 Resp: 449630

Ion Ratio Lower Upper

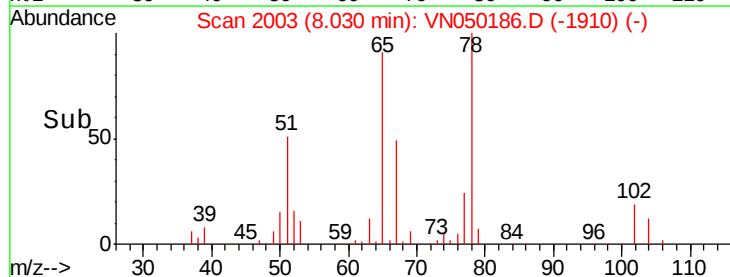
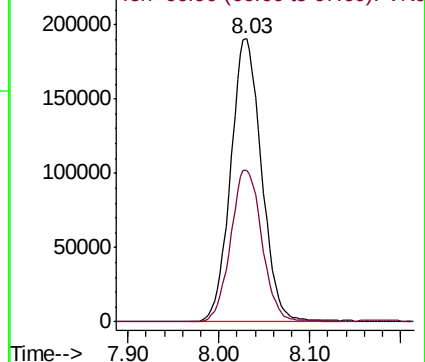
65 100

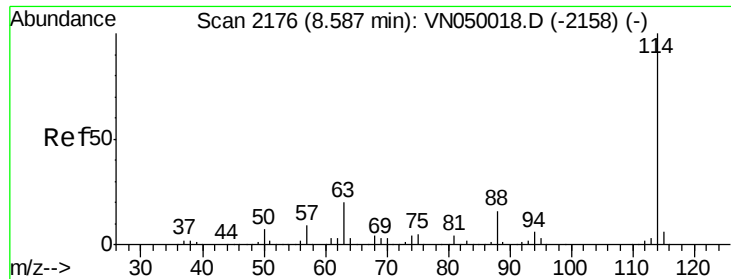
67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

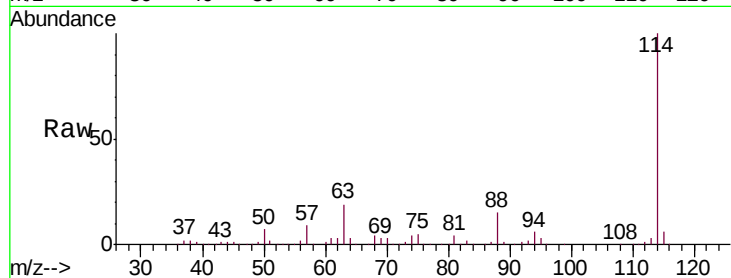




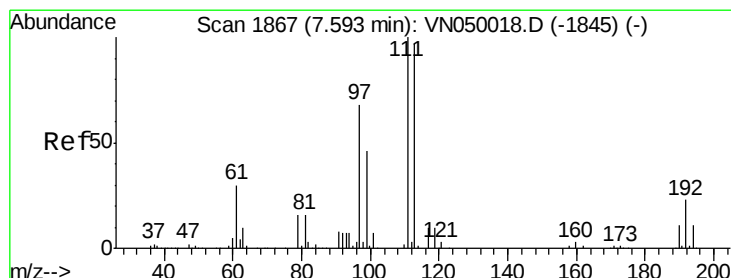
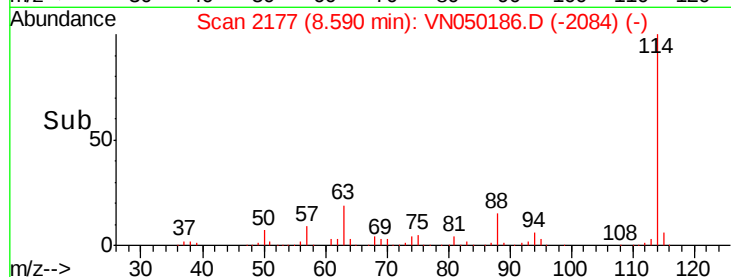
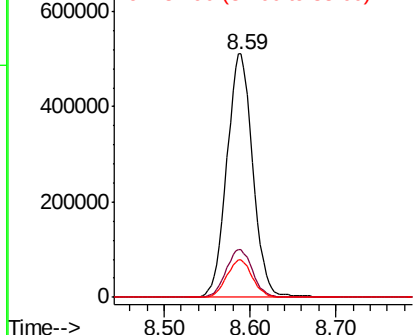
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050186.D
 Acq: 30 Jul 2018 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3BDL

Tot Ion:114 Resp: 1069290
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.3 0.0 31.2

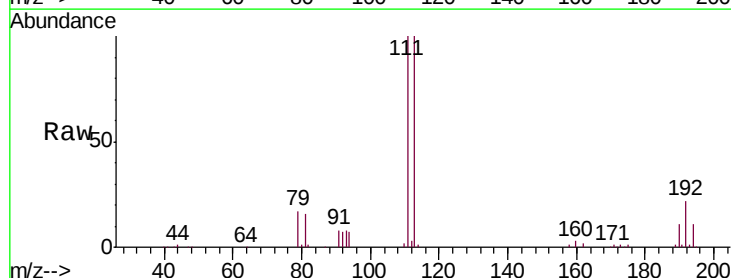


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

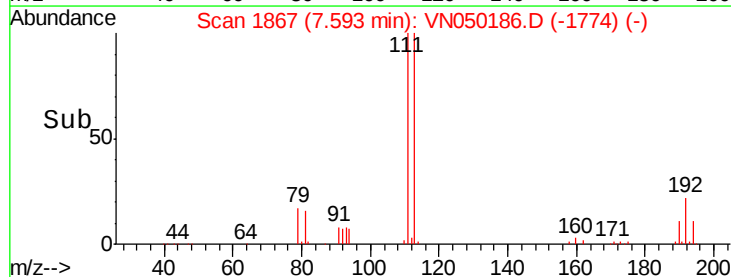
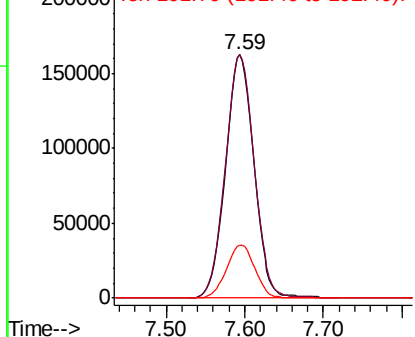


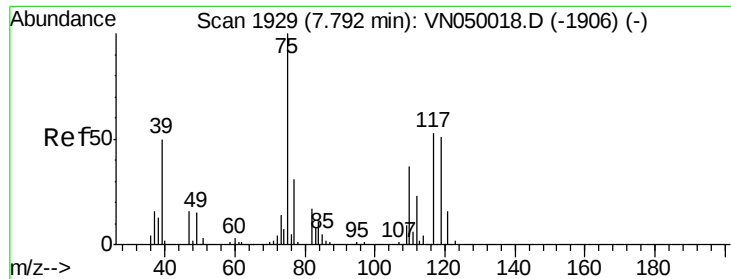
#35
 Dibromofluoromethane
 Concen: 46.58 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050186.D
 Acq: 30 Jul 2018 14:44

Tgt Ion:113 Resp: 406669
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 21.9 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

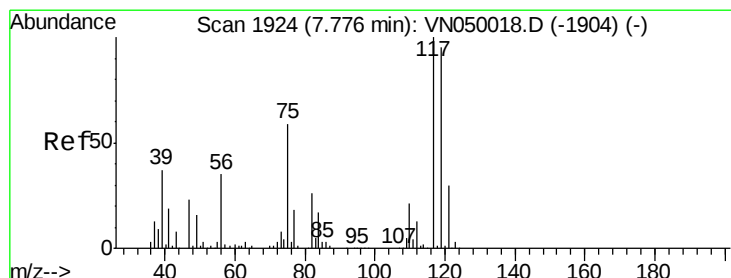
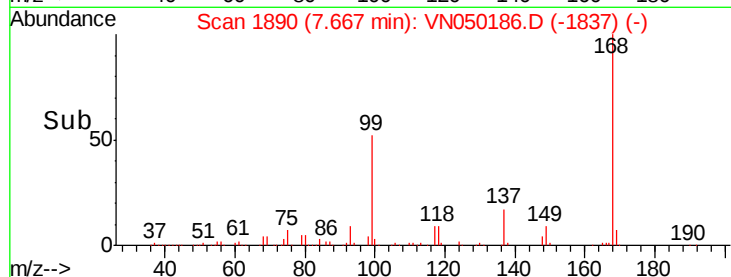
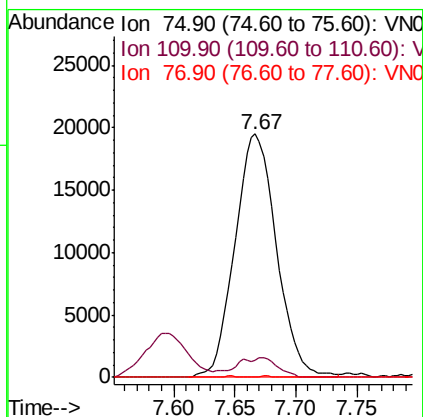
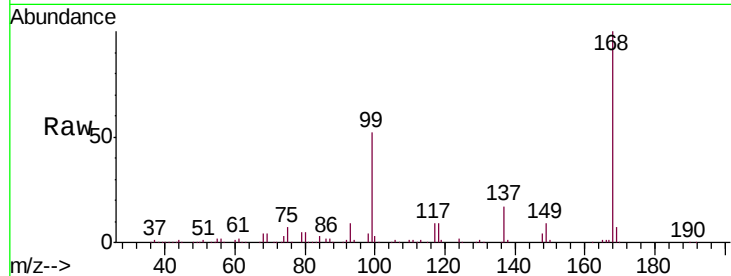




#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050186.D
 Acq: 30 Jul 2018 14:44

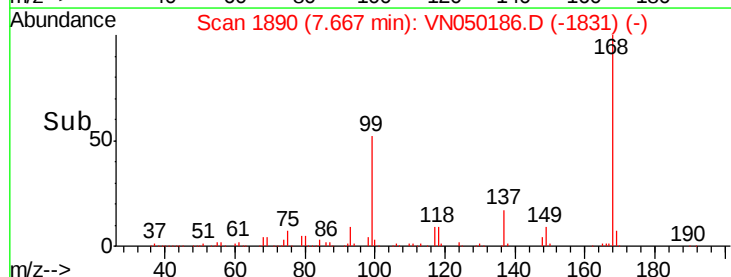
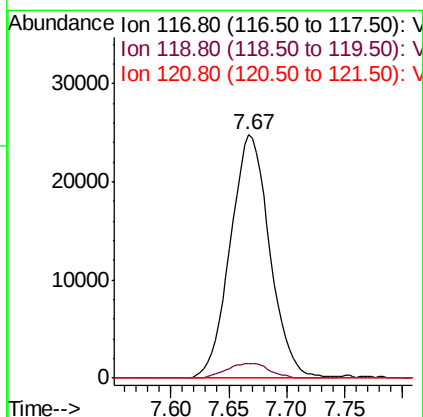
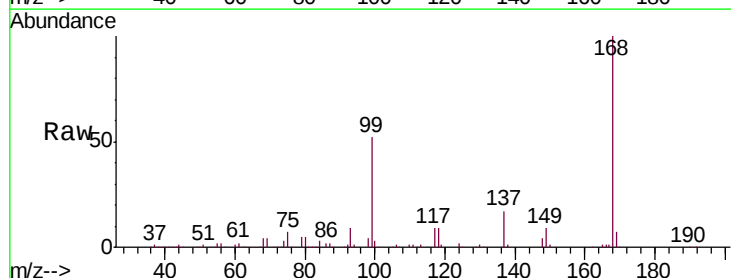
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3BDL

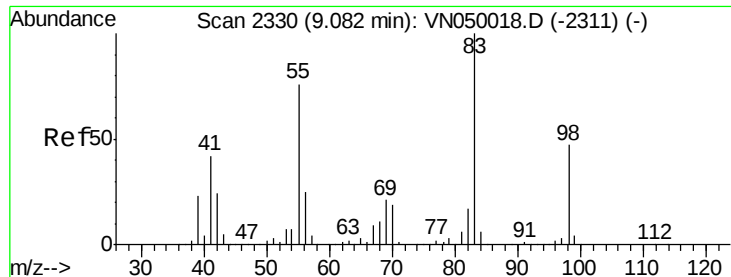
Tot Ion: 75 Resp: 46009
 Ion Ratio Lower Upper
 75 100
 110 1.5 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.59 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050186.D
 Acq: 30 Jul 2018 14:44

Tgt Ion: 117 Resp: 58683
 Ion Ratio Lower Upper
 117 100
 119 6.0 77.4 116.0#
 121 0.0 23.9 35.9#

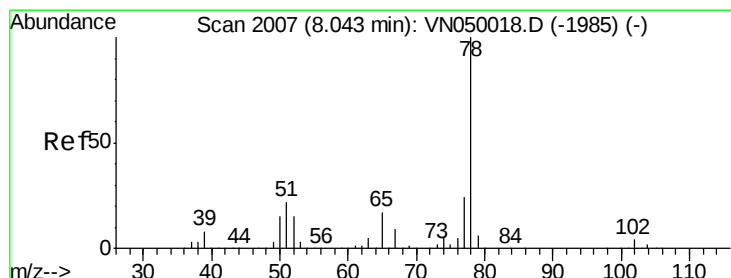
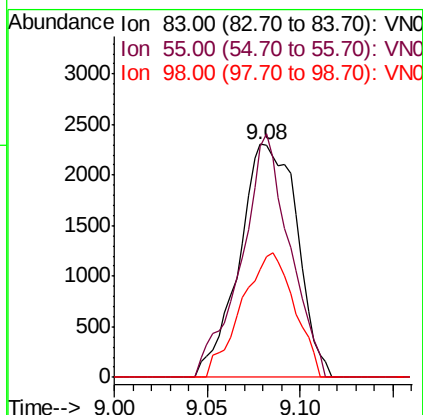
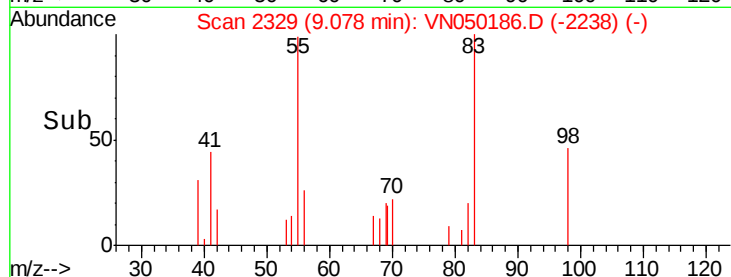
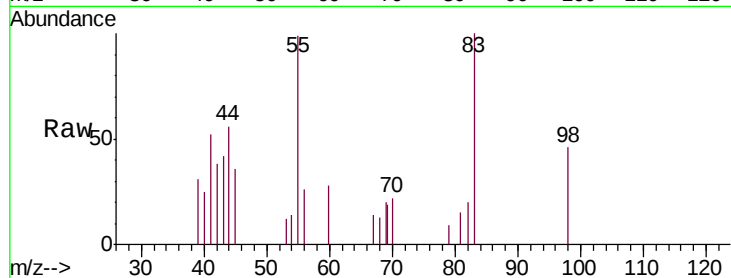




#39
Methvlcvclohexane
Concen: 0.40 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.01 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

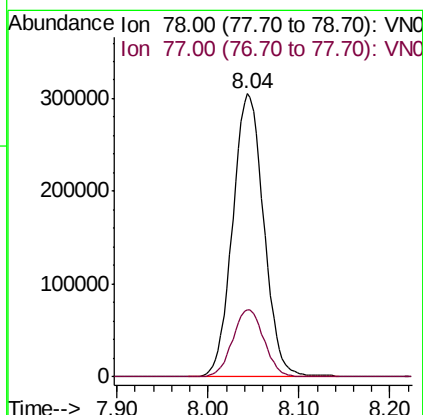
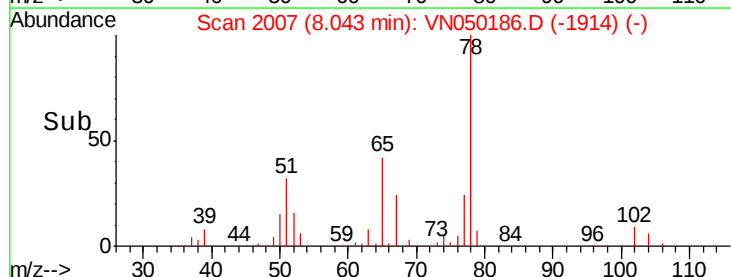
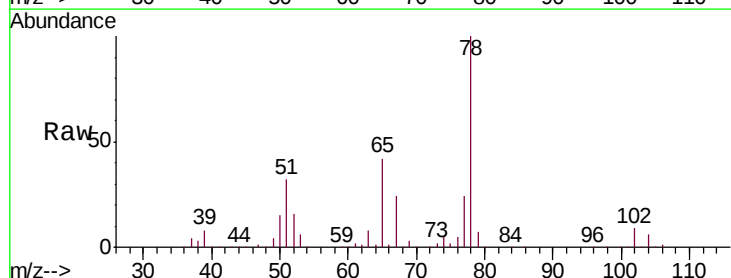
Instrument :
MSVOA_N
ClientSampleId :
MW-3BDL

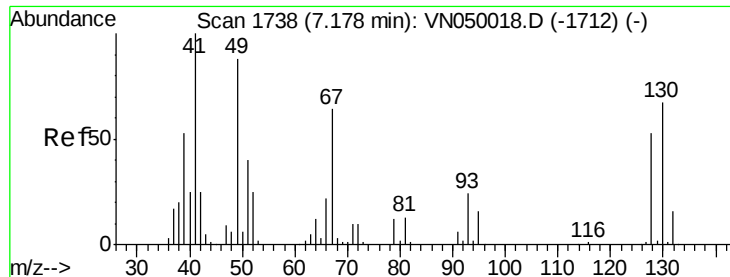
Tot Ion: 83 Resp: 4987
Ion Ratio Lower Upper
83 100
55 99.2 61.8 92.8#
98 46.4 36.5 54.7



#40
Benzene
Concen: 19.81 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

Tgt Ion: 78 Resp: 726215
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

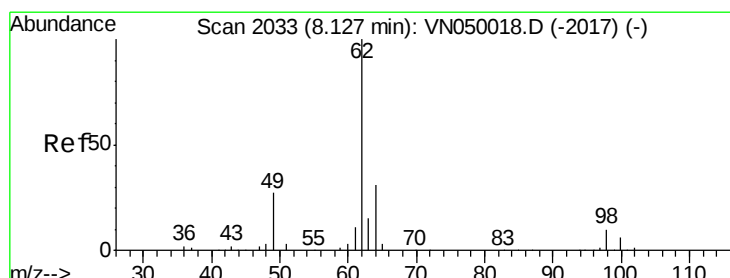
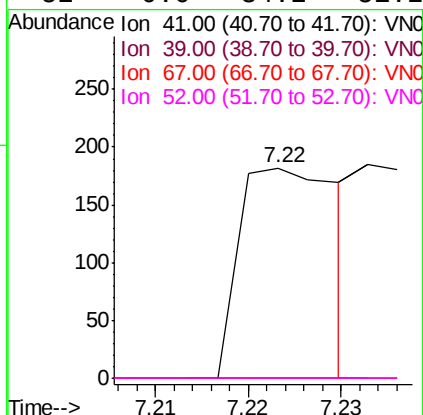
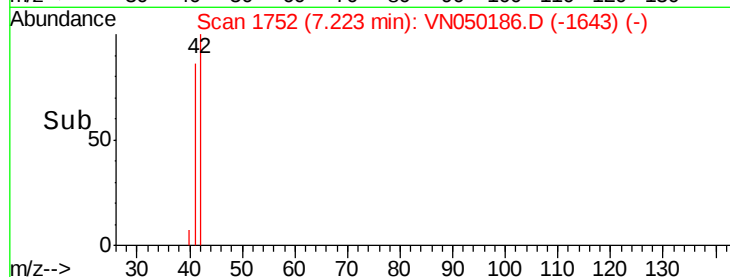
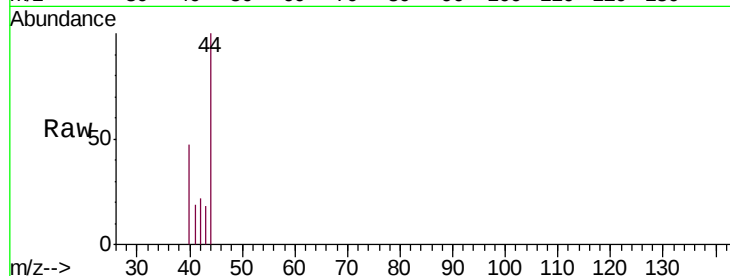




#41
Methacrylonitrile
Concen: 2.78 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.05 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

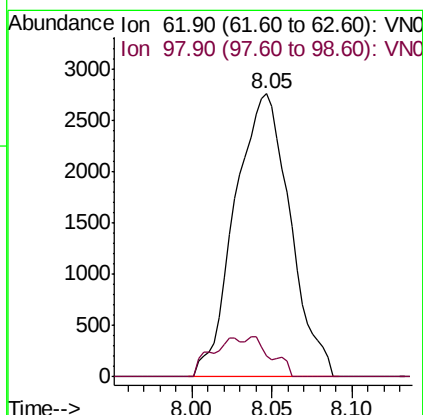
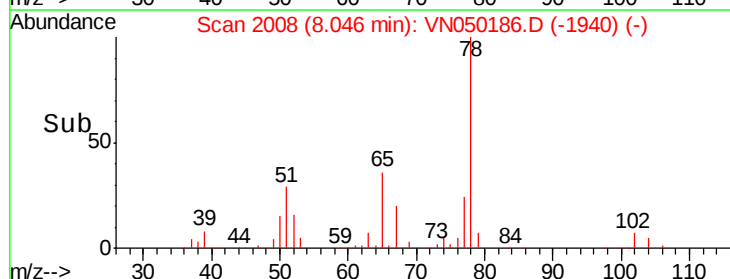
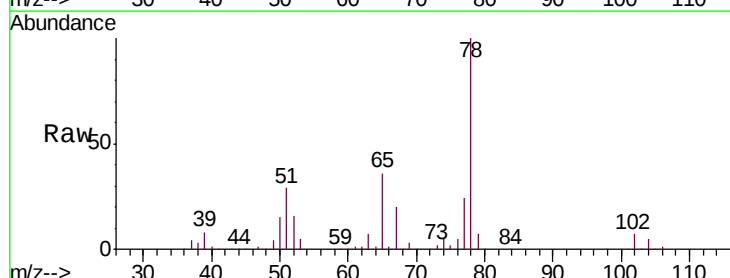
Instrument :
MSVOA_N
ClientSampleId :
MW-3BDL

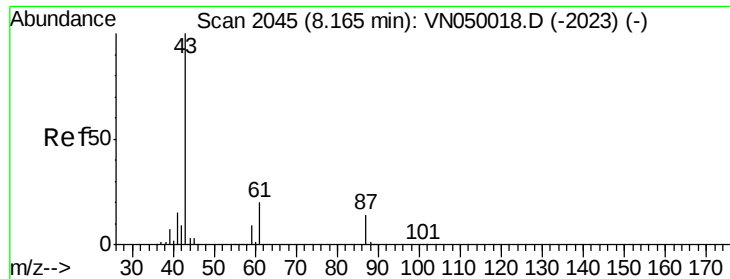
Tot Ion: 41 Resp: 135
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 0.53 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. -0.08 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

Tgt Ion: 62 Resp: 6520
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.8



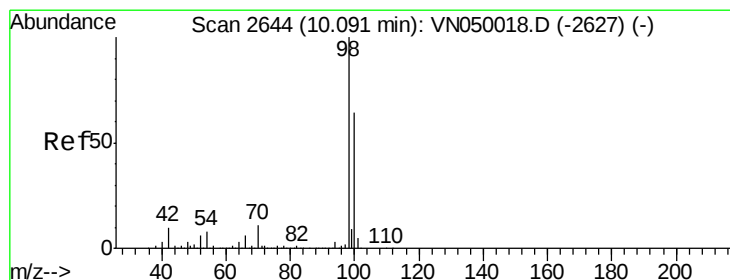
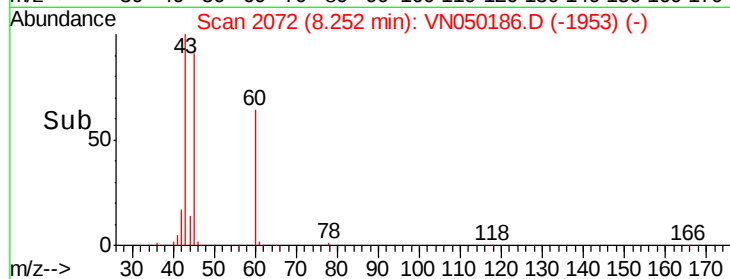
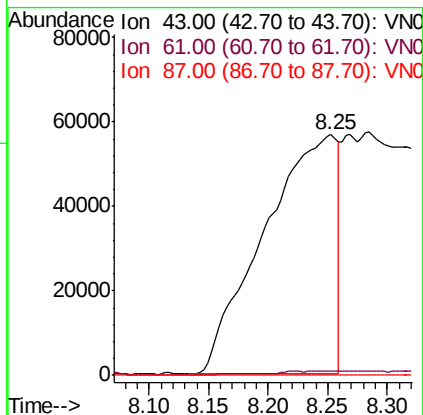
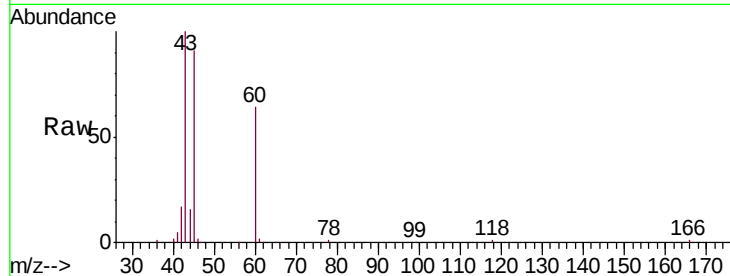


#43

Isopropyl Acetate
 Concen: 14.35 ug/l
 RT: 8.25 min Scan# 2072
 Delta R.T. 0.08 min
 Lab File: VN050186.D
 Acq: 30 Jul 2018 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3BDL

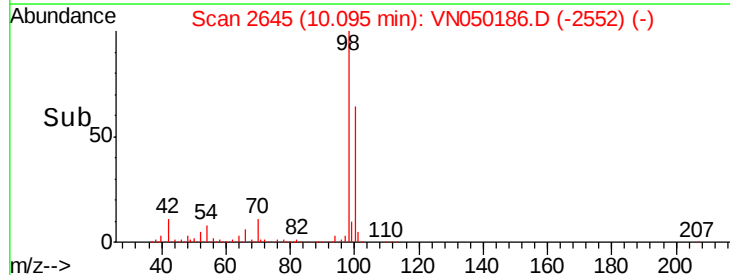
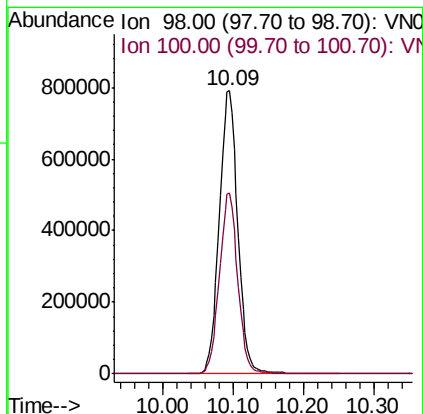
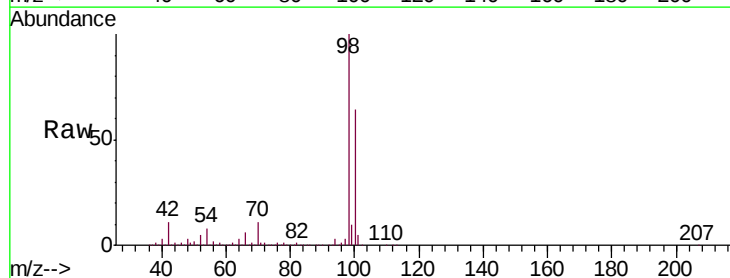
Tot Ion: 43 Resp: 240002
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.8 23.6#
 87 0.0 10.3 15.5#

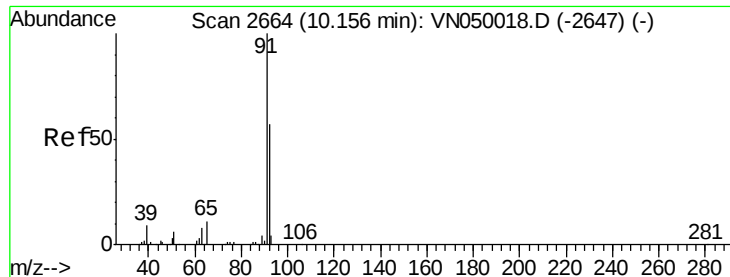


#50

Toluene-d8
 Concen: 45.07 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050186.D
 Acq: 30 Jul 2018 14:44

Tgt Ion: 98 Resp: 1446652
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.7 76.1





#52

Toluene

Concen: 3.14 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampled :

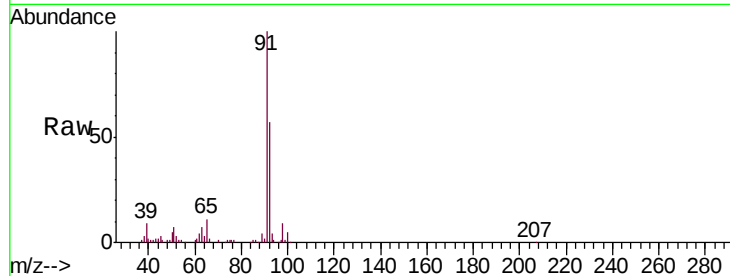
MW-3BDL

Tot Ion: 92 Resp: 67893

Ion Ratio Lower Upper

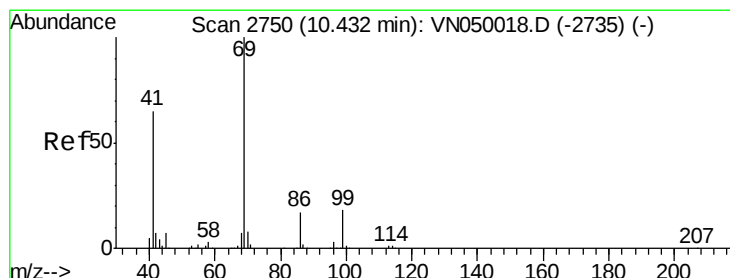
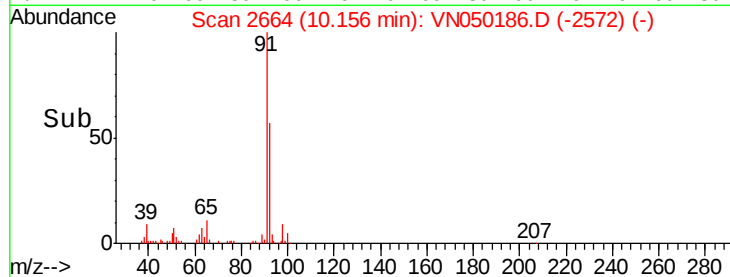
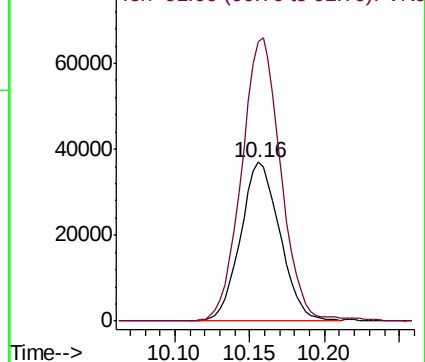
92 100

91 178.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#56

Ethyl methacrylate

Concen: 2.03 ug/l

RT: 10.25 min Scan# 2692

Delta R.T. -0.19 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

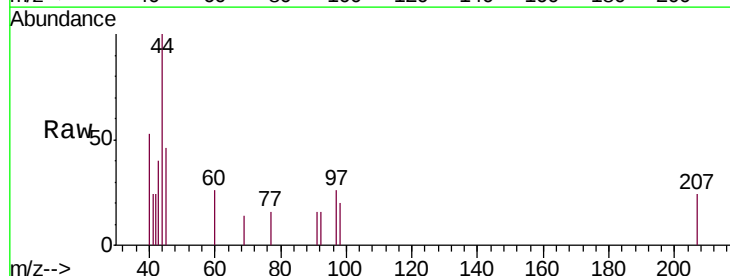
Tgt Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 843.3 51.0 76.4#

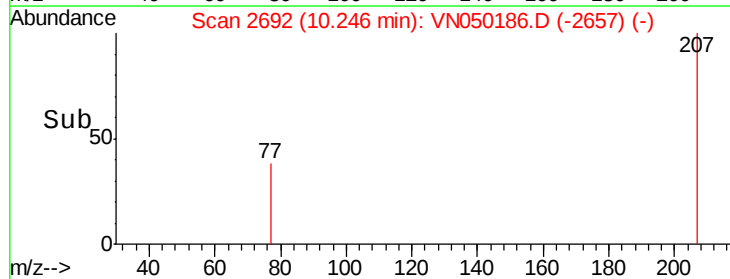
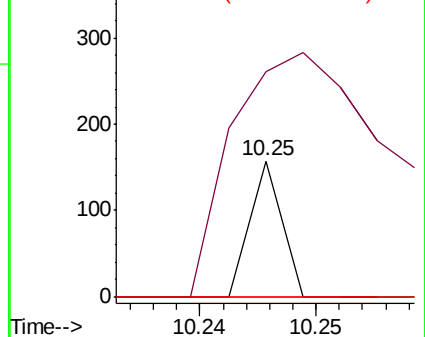
39 0.0 26.6 40.0#

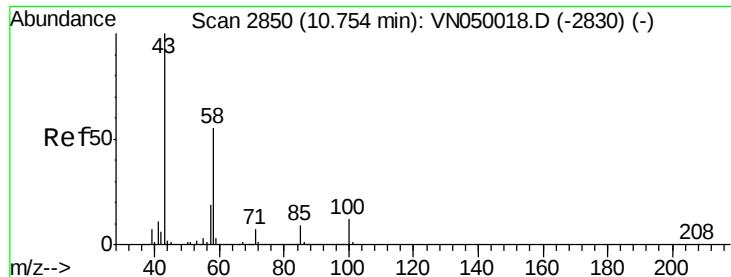


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

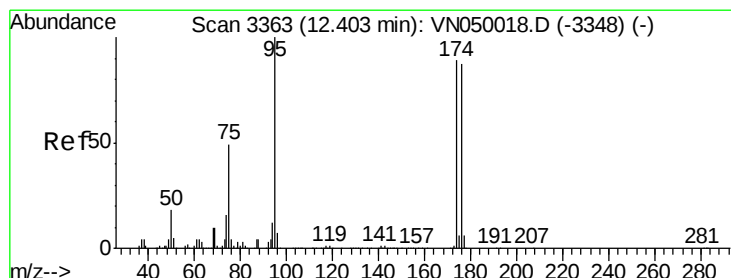
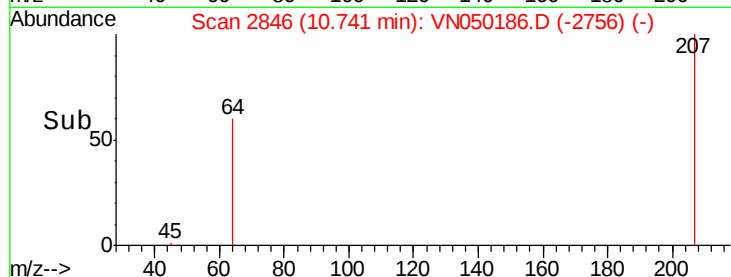
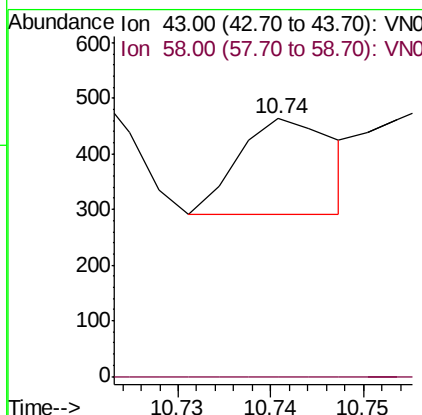
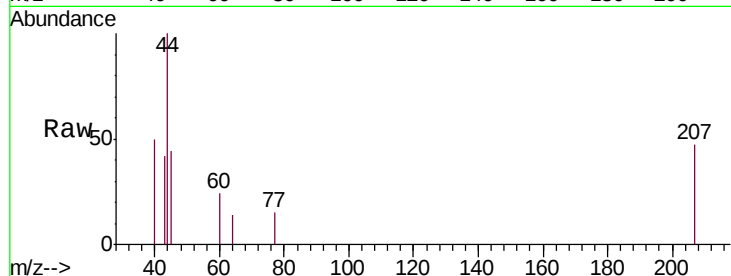




#59
2-Hexanone
Concen: 5.19 ug/l
RT: 10.74 min Scan# 2846
Delta R.T. -0.01 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

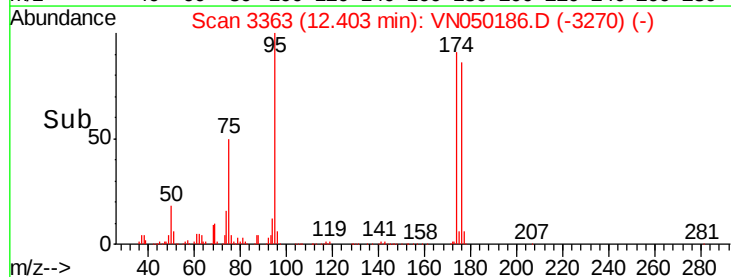
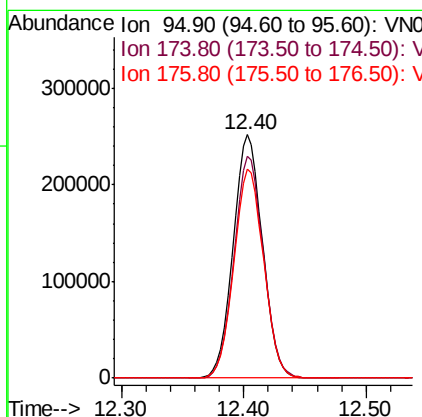
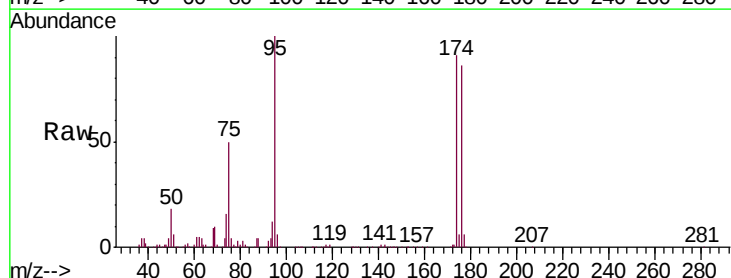
Instrument :
MSVOA_N
ClientSampleId :
MW-3BDL

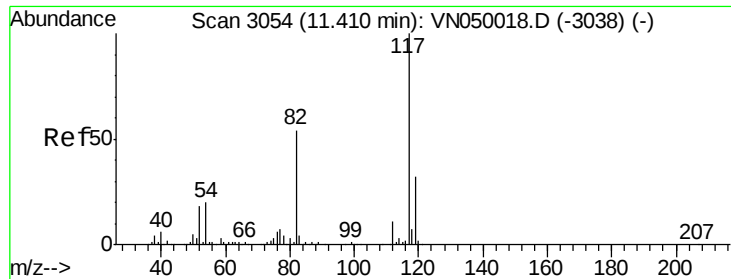
Tot Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 39.69 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

Tgt Ion: 95 Resp: 419500
Ion Ratio Lower Upper
95 100
174 91.6 0.0 178.2
176 87.0 0.0 173.4

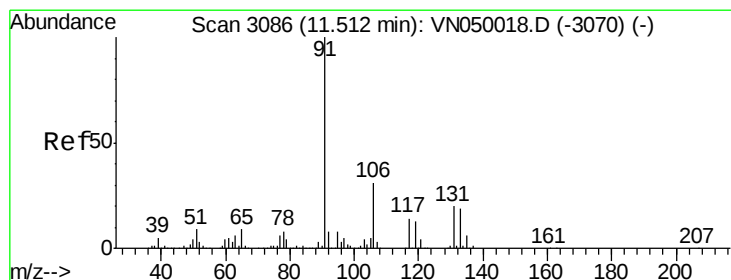
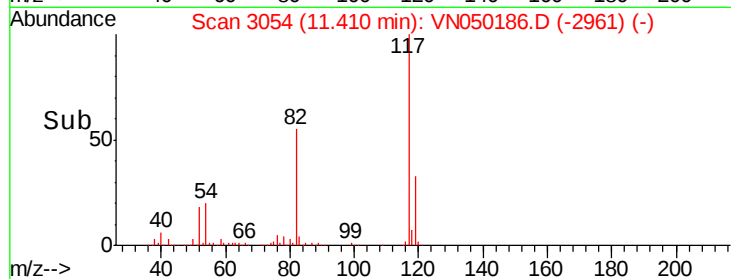
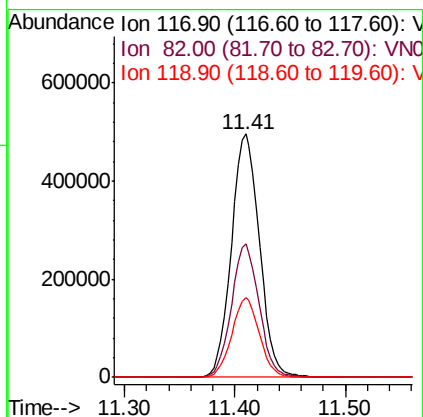
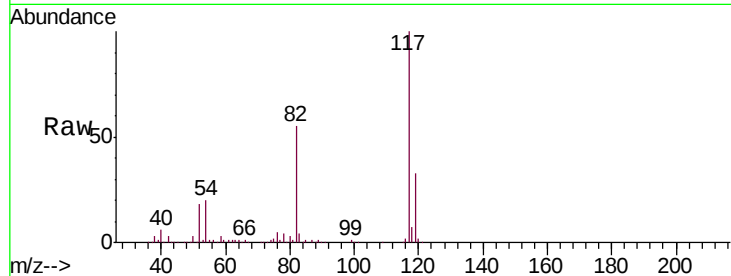




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

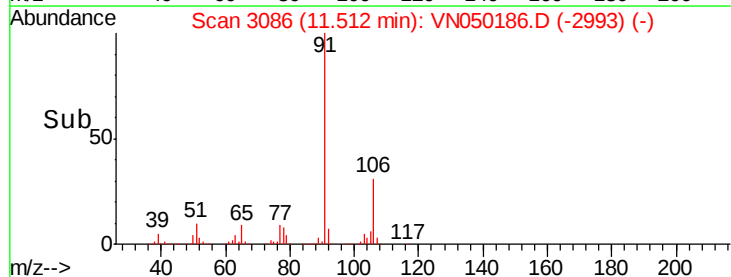
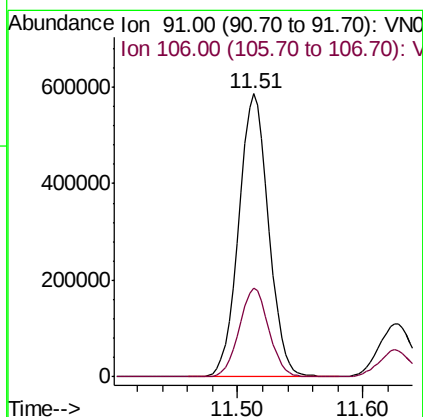
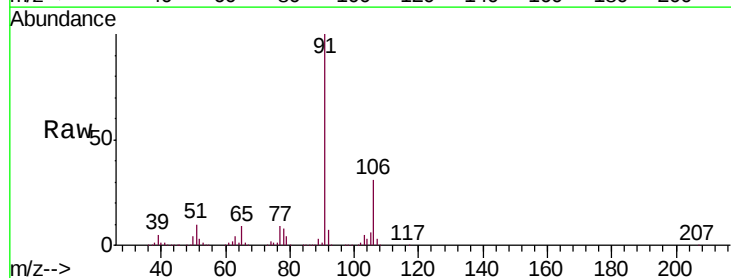
Instrument :
MSVOA_N
ClientSampleId :
MW-3BDL

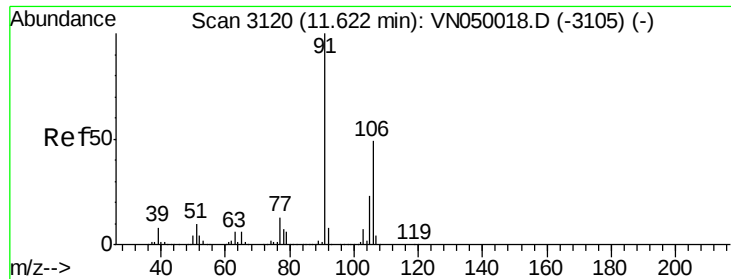
Tot Ion:117 Resp: 875849
Ion Ratio Lower Upper
117 100
82 54.6 43.7 65.5
119 32.7 26.1 39.1



#67
Ethyl Benzene
Concen: 27.24 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

Tgt Ion: 91 Resp: 968256
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

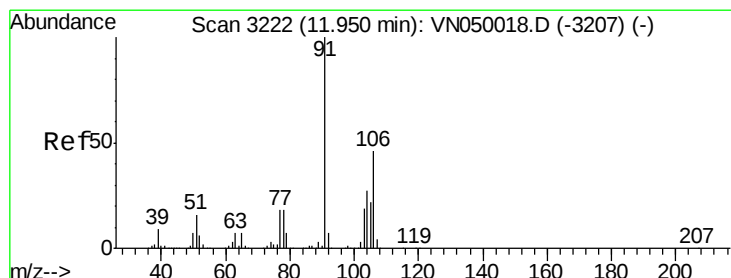
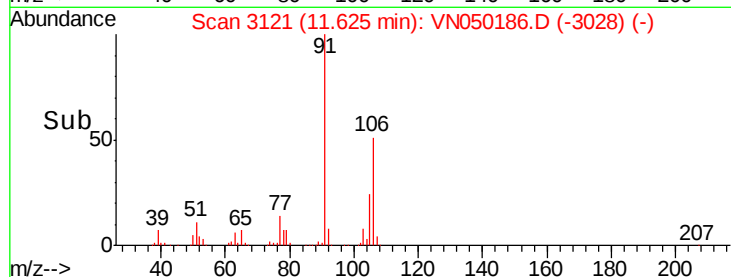
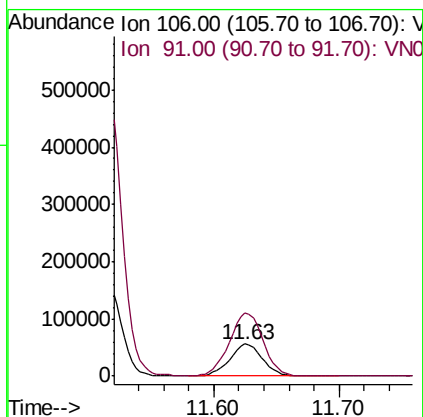
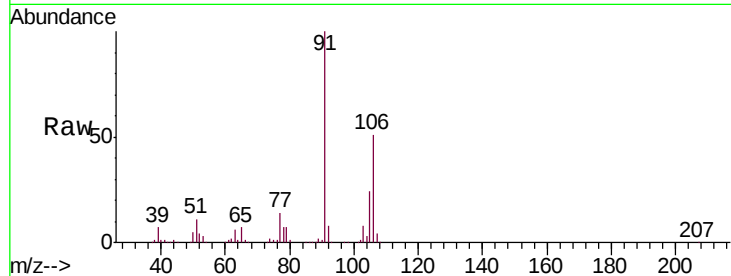




#68
m/p-Xylenes
Concen: 7.63 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

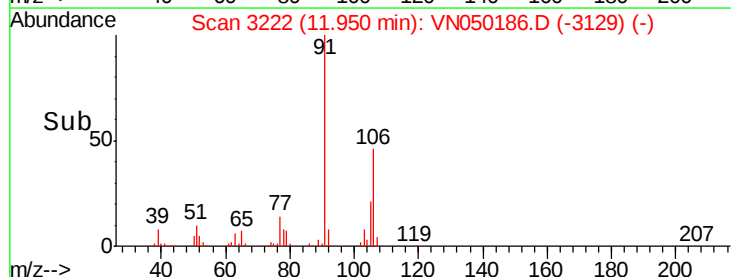
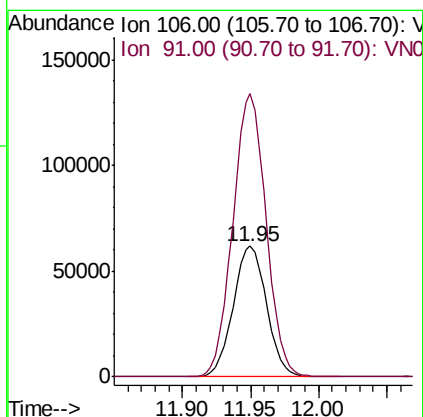
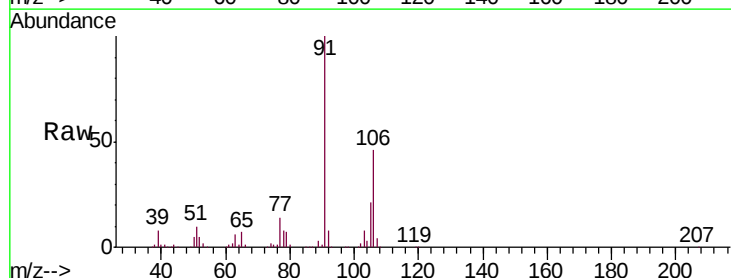
Instrument :
MSVOA_N
ClientSampled :
MW-3BDL

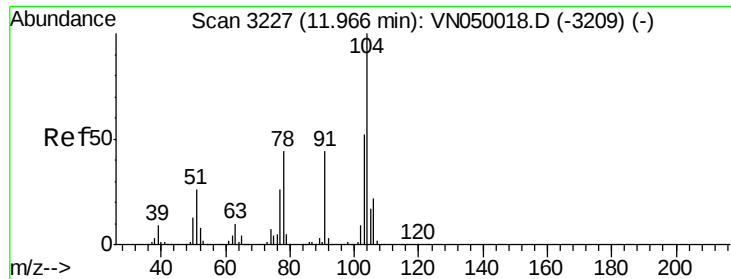
Tot Ion:106 Resp: 102523
Ion Ratio Lower Upper
106 100
91 201.3 162.2 243.2



#69
o-Xylene
Concen: 8.19 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

Tgt Ion:106 Resp: 105010
Ion Ratio Lower Upper
106 100
91 215.9 107.7 323.1

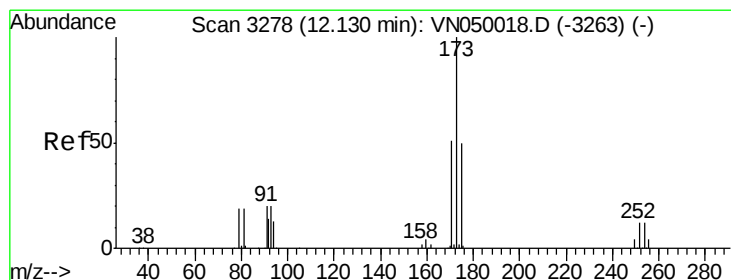
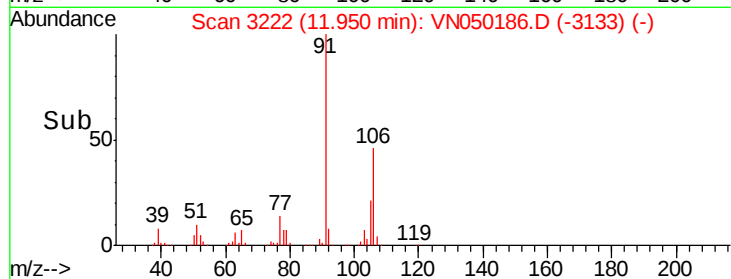
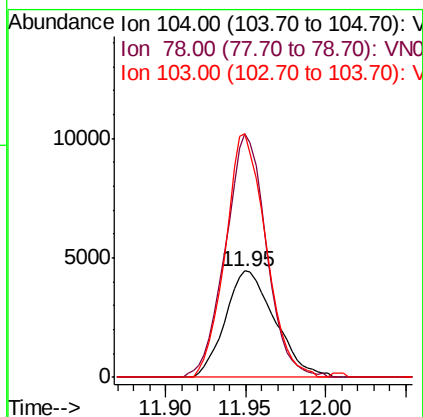
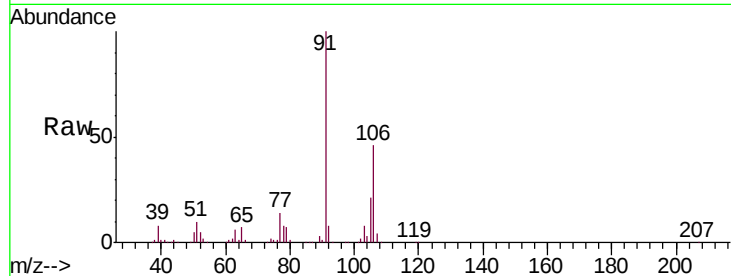




#70
Stvrene
Concen: 1.33 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

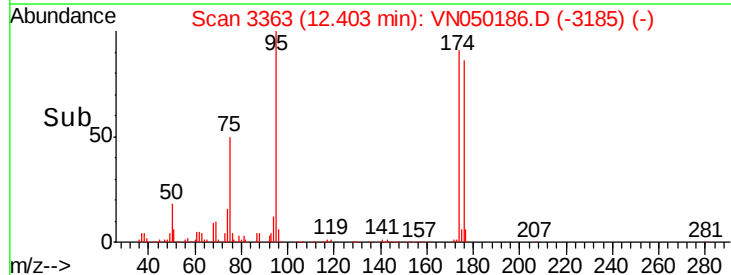
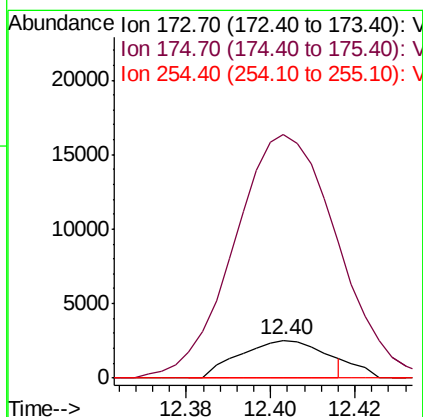
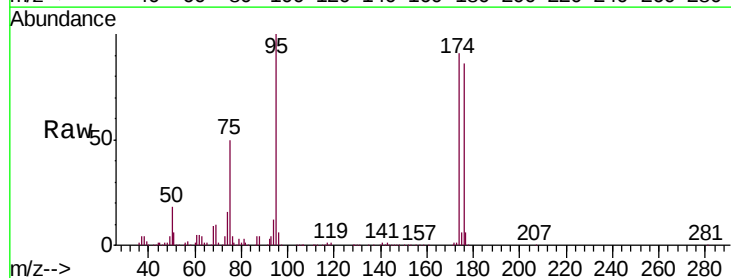
Instrument :
MSVOA_N
ClientSampled :
MW-3BDL

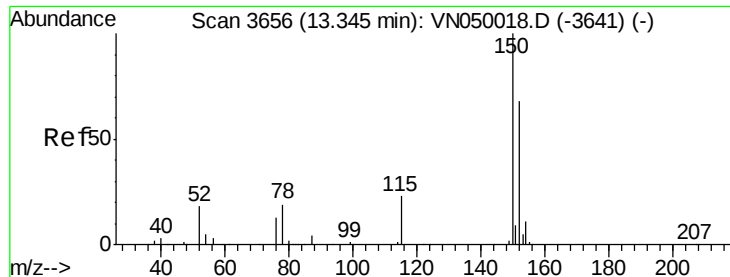
Tot Ion:104 Resp: 9473
Ion Ratio Lower Upper
104 100
78 187.9 39.3 58.9#
103 186.2 45.0 67.6#



#71
Bromoform
Concen: 0.57 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050186.D
Acq: 30 Jul 2018 14:44

Tgt Ion:173 Resp: 3536
Ion Ratio Lower Upper
173 100
175 700.0 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: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-3BDL

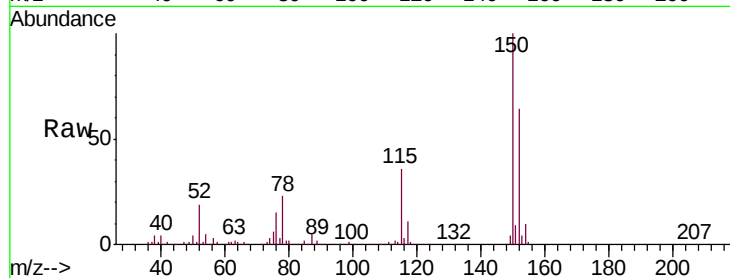
Tot Ion:152 Resp: 355456

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

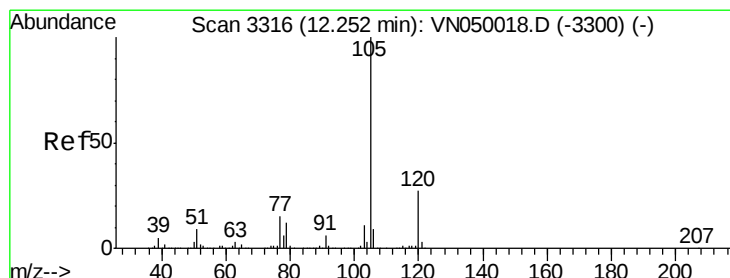
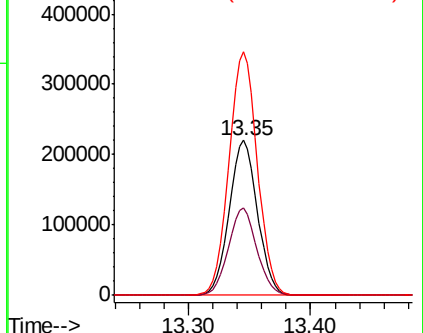
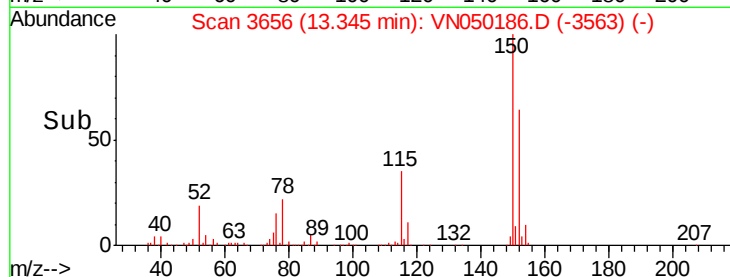
150 157.6 0.0 348.6



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



#73

Isopropylbenzene

Concen: 1.57 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050186.D

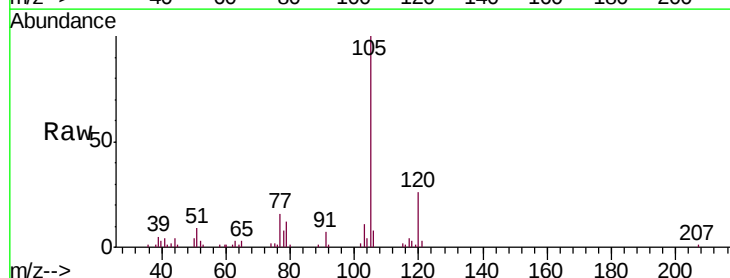
Acq: 30 Jul 2018 14:44

Tgt Ion:105 Resp: 43329

Ion Ratio Lower Upper

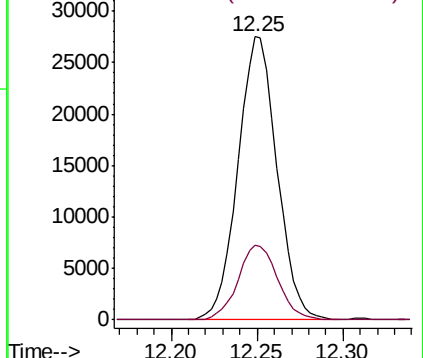
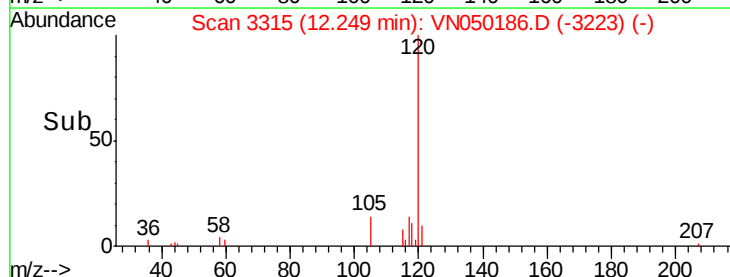
105 100

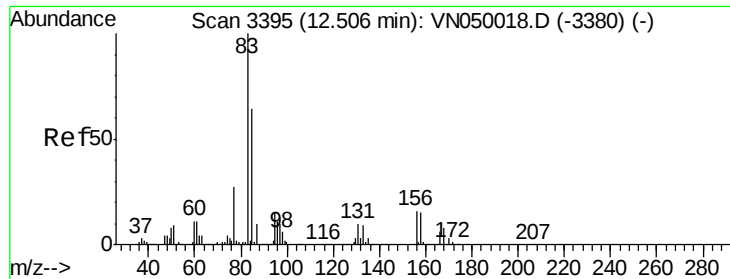
120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampled :

MW-3BDL

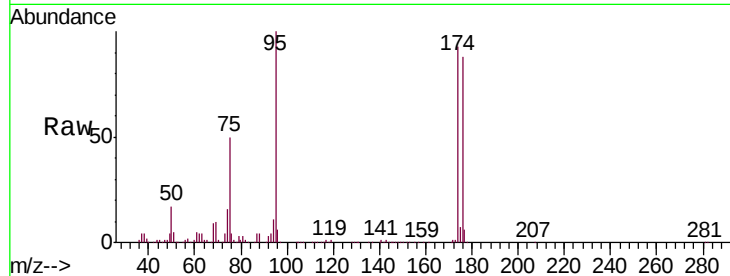
Tot Ion: 83 Resp: 236

Ion Ratio Lower Upper

83 100

131 241.1 5.1 15.3#

85 0.0 32.3 96.8#

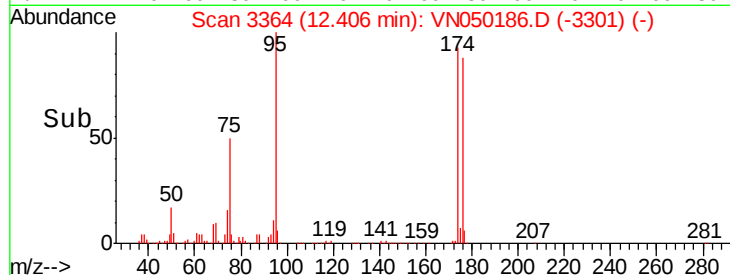


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

Time-->



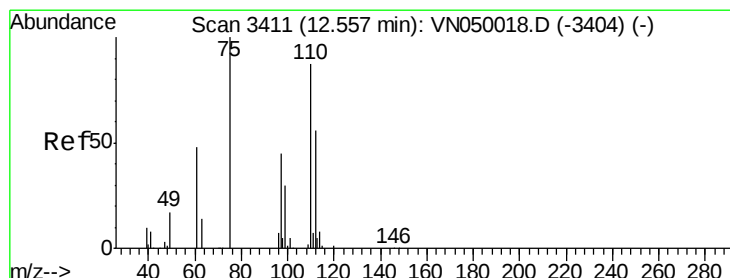
Abundance

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

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050186.D

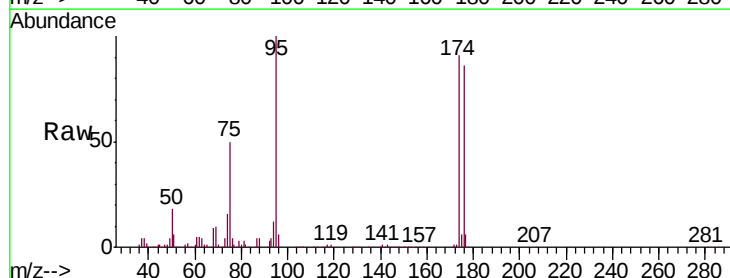
Acq: 30 Jul 2018 14:44

Tgt Ion: 75 Resp: 206533

Ion Ratio Lower Upper

75 100

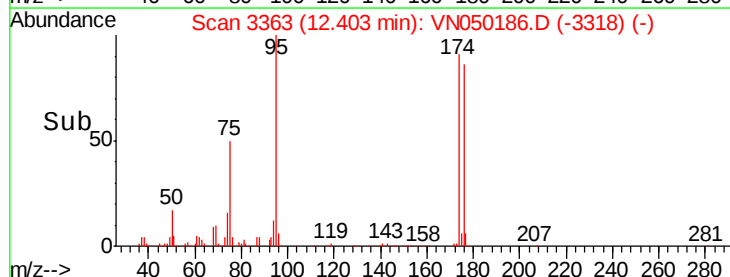
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

Time-->

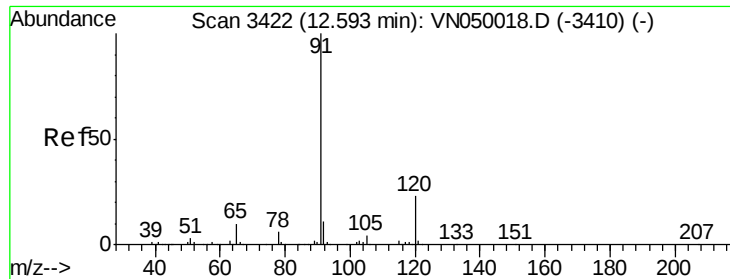


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

Time-->



#78

n-propylbenzene

Concen: 0.64 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampled :

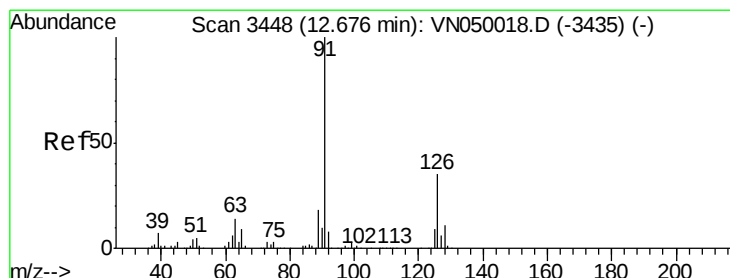
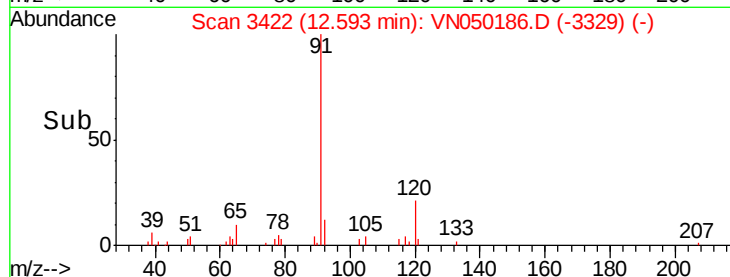
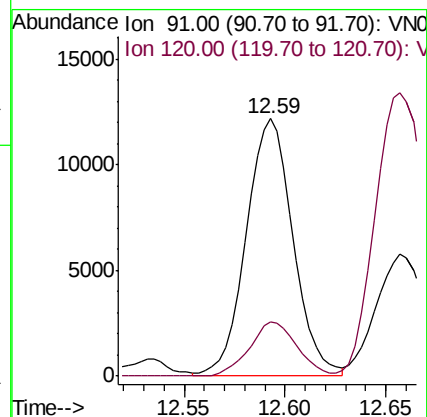
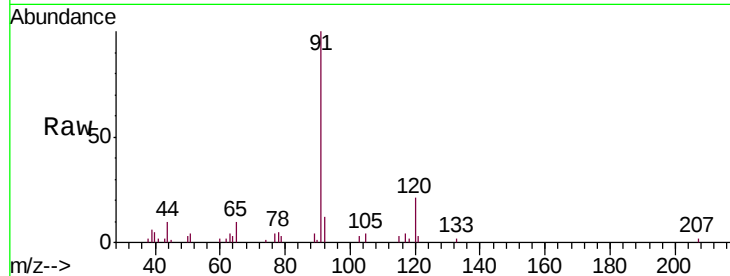
MW-3BDL

Tot Ion: 91 Resp: 19822

Ion Ratio Lower Upper

91 100

120 21.4 11.6 34.7



#79

2-Chlorotoluene

Concen: 0.31 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. 0.01 min

Lab File: VN050186.D

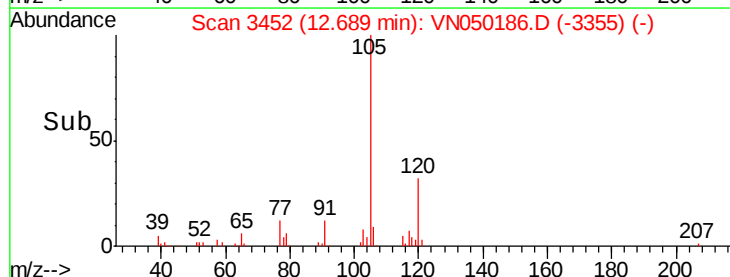
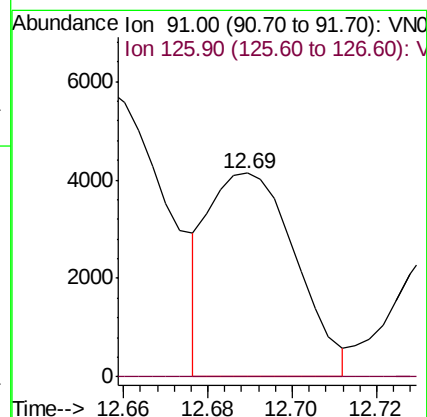
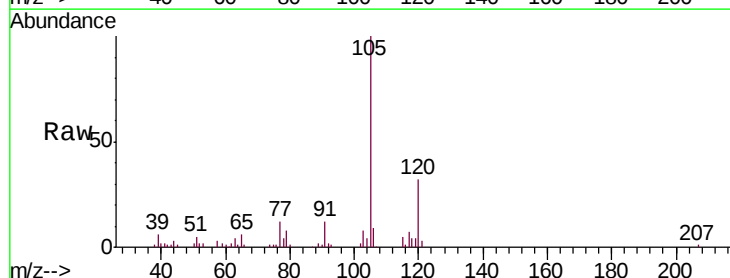
Acq: 30 Jul 2018 14:44

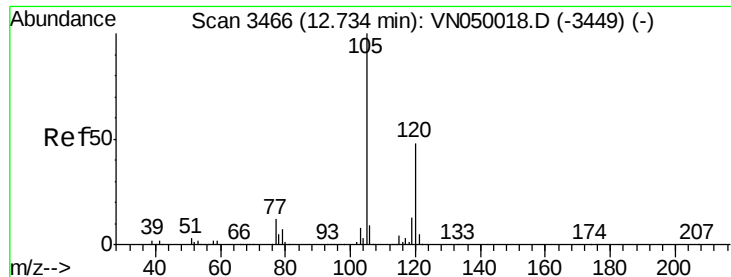
Tgt Ion: 91 Resp: 5960

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#





#80

1,3,5-Trimethylbenzene

Concen: 1.43 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampleId :

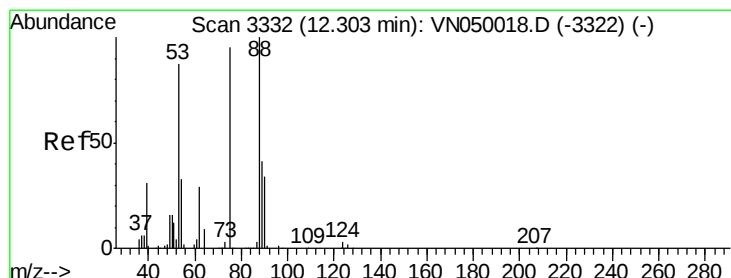
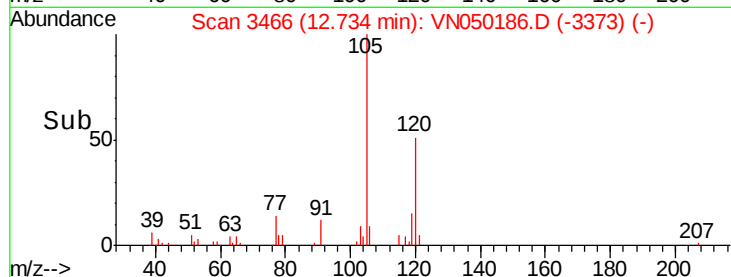
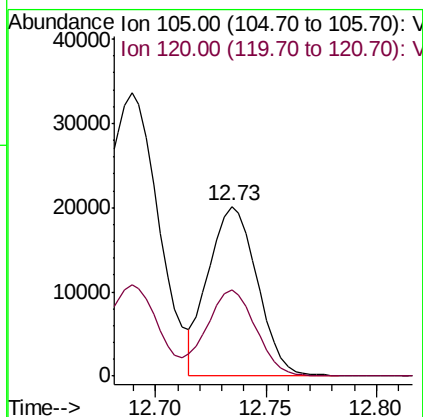
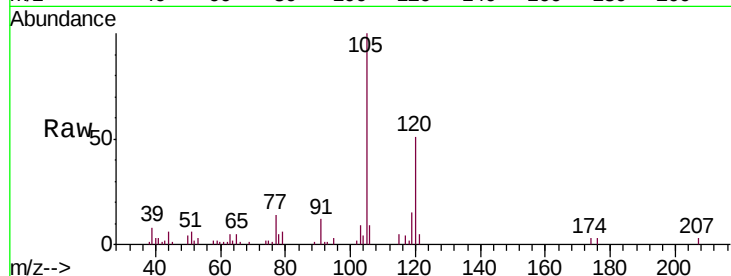
MW-3BDL

Tot Ion:105 Resp: 30954

Ion Ratio Lower Upper

105 100

120 51.3 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 99.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

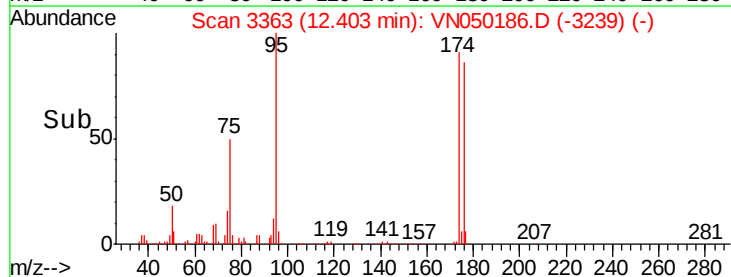
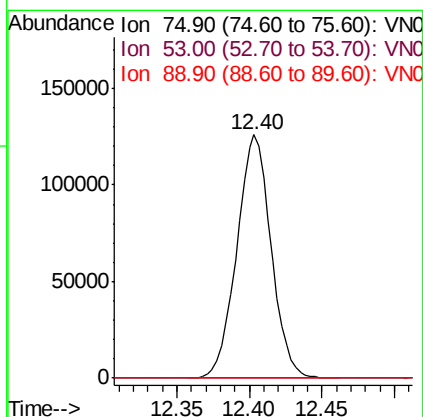
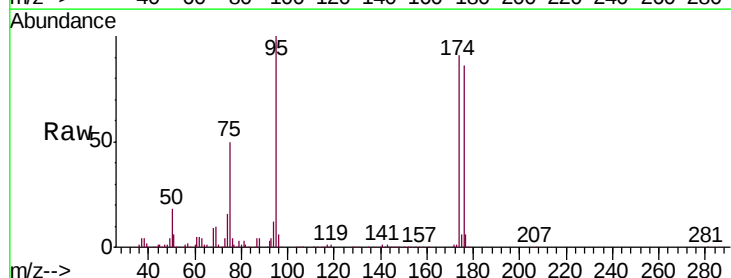
Tgt Ion: 75 Resp: 206533

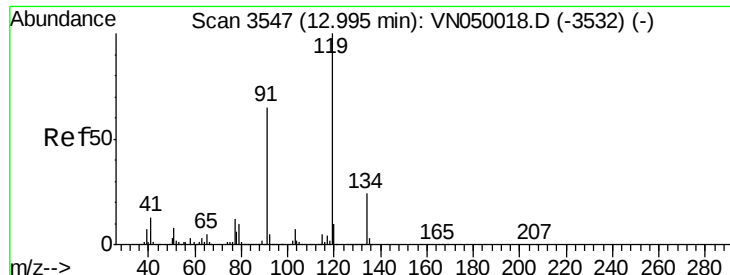
Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 36.0 54.0#





#83

tert-Butylbenzene

Concen: 0.66 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.04 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampled :

MW-3BDL

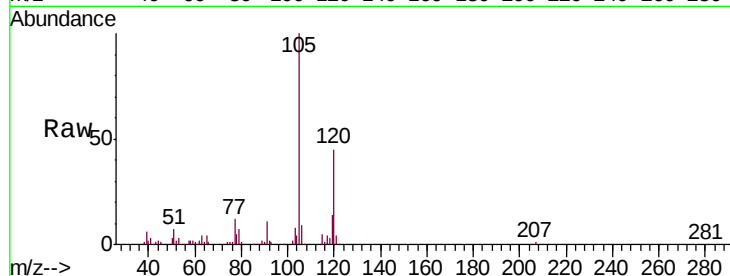
Tot Ion:119 Resp: 12471

Ion Ratio Lower Upper

119 100

91 87.3 32.1 96.3

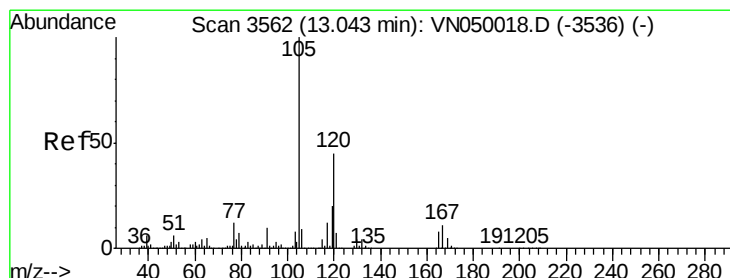
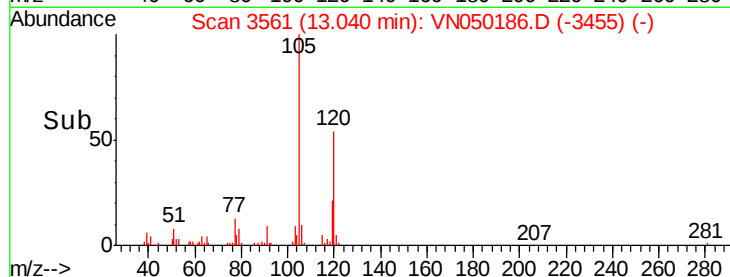
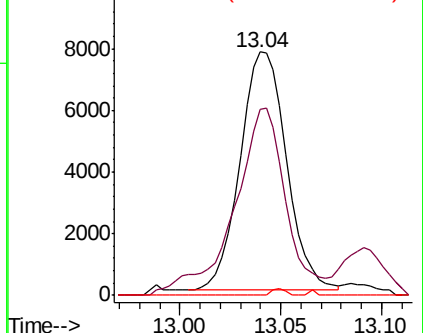
134 0.0 13.2 39.5#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.12 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050186.D

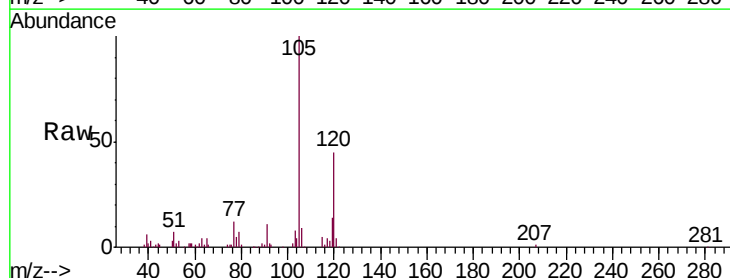
Acq: 30 Jul 2018 14:44

Tgt Ion:105 Resp: 90074

Ion Ratio Lower Upper

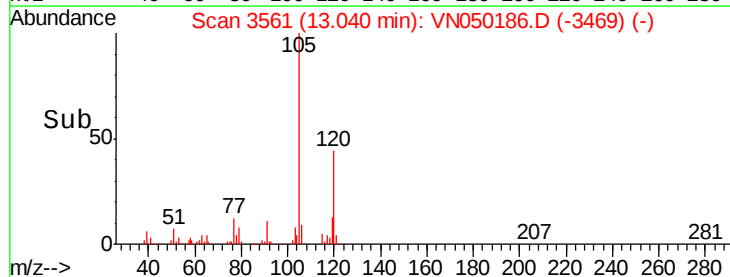
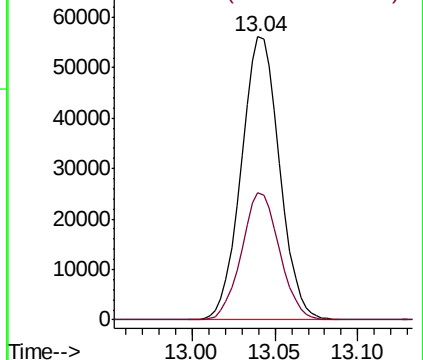
105 100

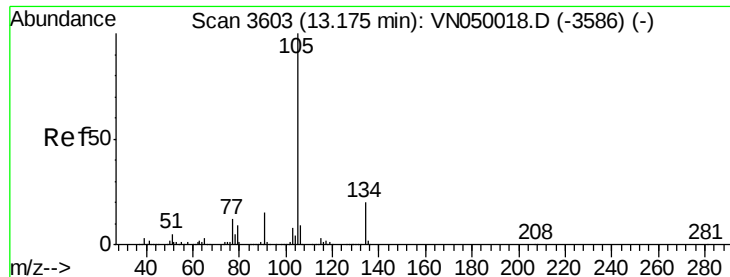
120 44.5 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.56 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.13 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampleId :

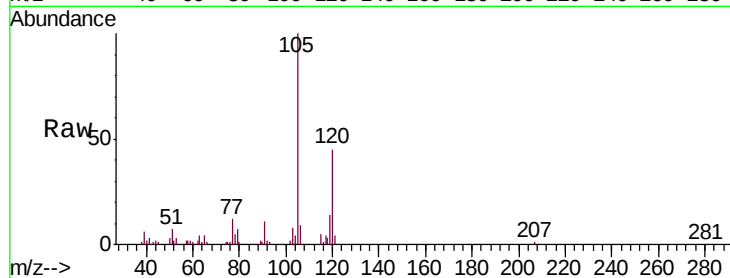
MW-3BDL

Tot Ion:105 Resp: 90074

Ion Ratio Lower Upper

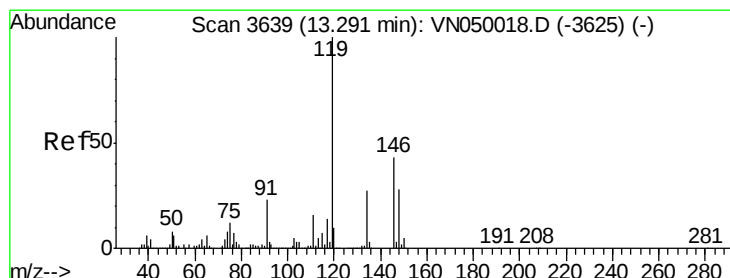
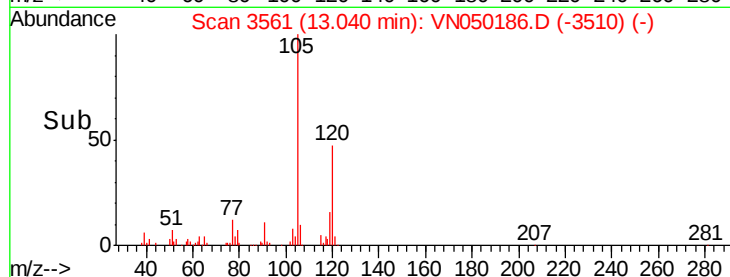
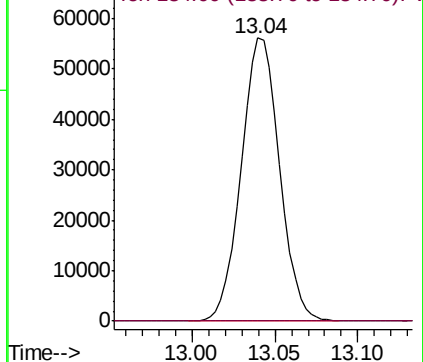
105 100

134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.29 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

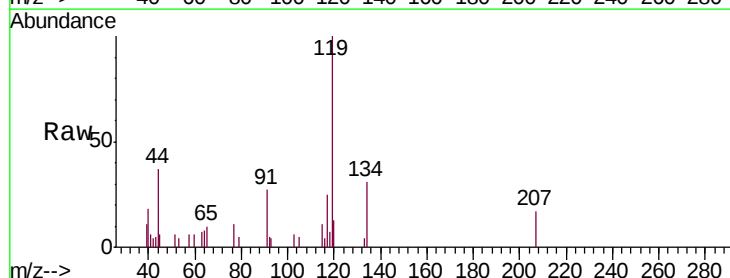
Tgt Ion:119 Resp: 6094

Ion Ratio Lower Upper

119 100

134 29.6 13.3 39.8

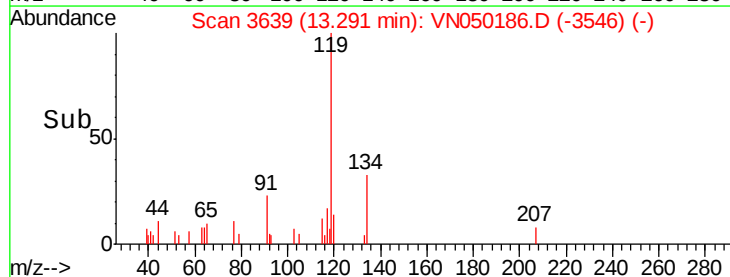
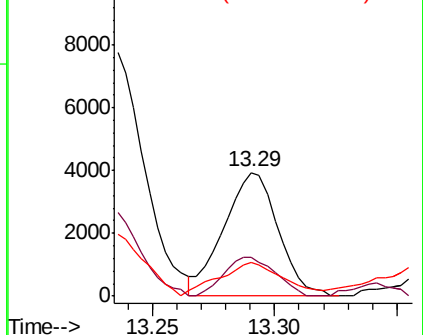
91 32.4 11.4 34.2

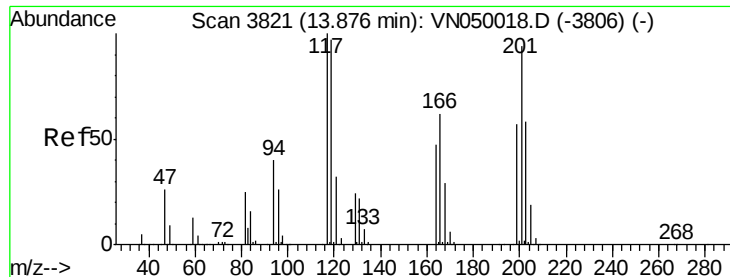


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 0.23 ug/l

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampleId :

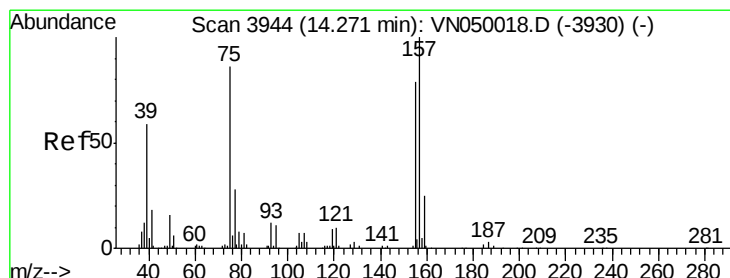
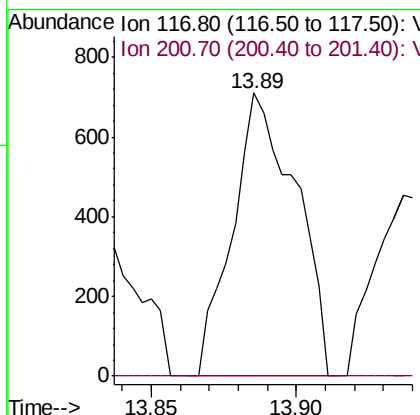
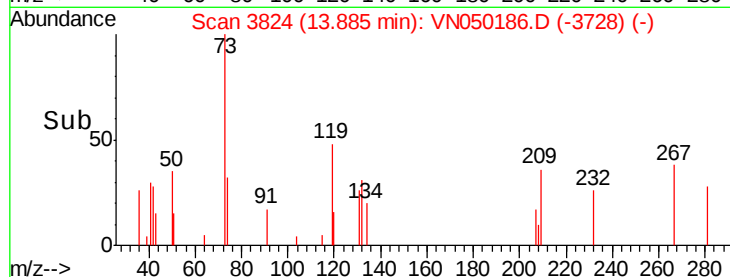
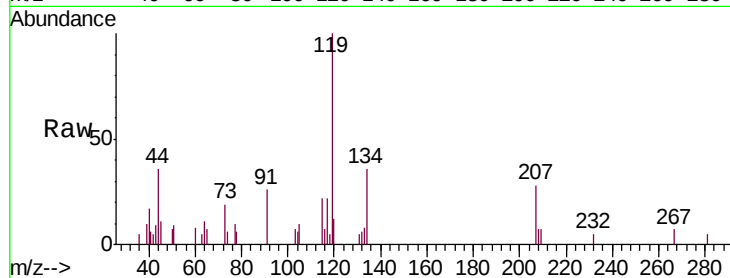
MW-3BDL

Tot Ion:117 Resp: 1082

Ion Ratio Lower Upper

117 100

201 0.0 45.6 136.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.47 min Scan# 4006

Delta R.T. 0.20 min

Lab File: VN050186.D

Acq: 30 Jul 2018 14:44

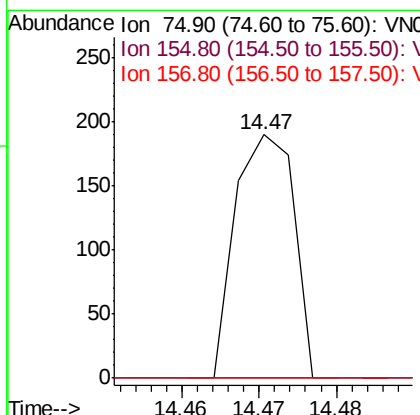
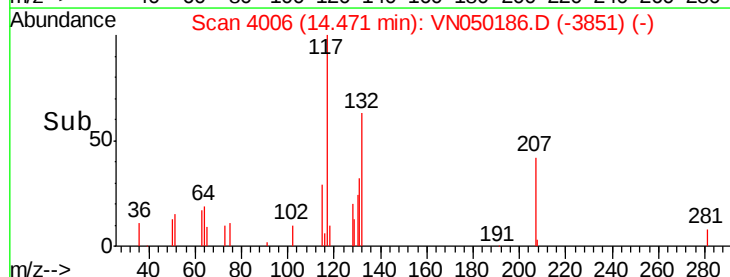
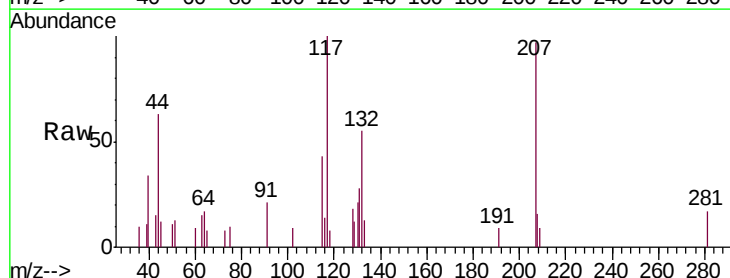
Tgt Ion: 75 Resp: 100

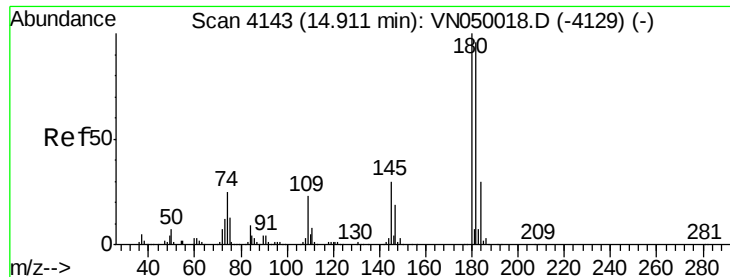
Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 0.0 57.2 171.6#

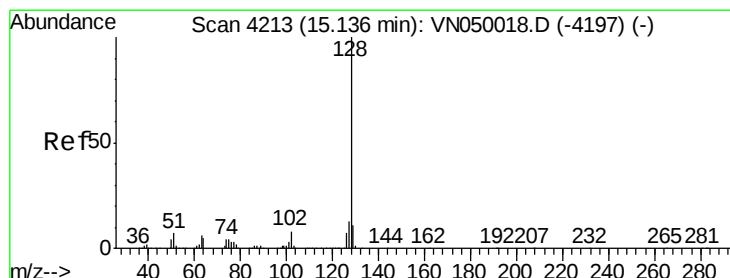
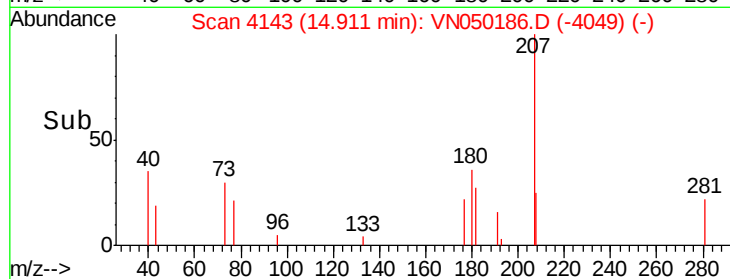
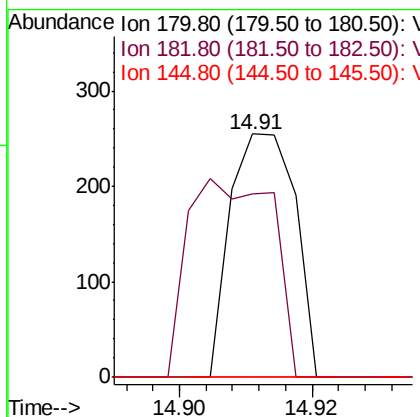
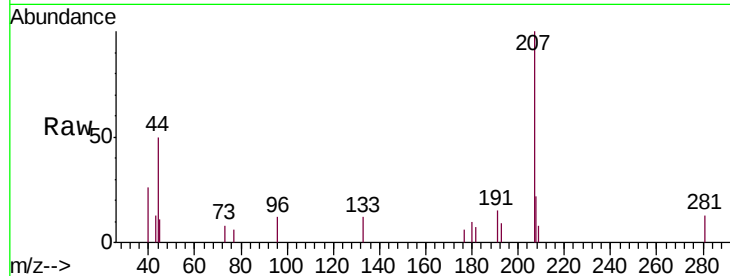




#93
 1,2,4-Trichlorobenzene
 Concen: 3.11 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050186.D
 Acq: 30 Jul 2018 14:44

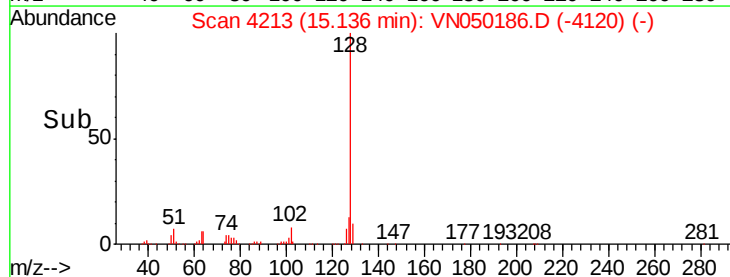
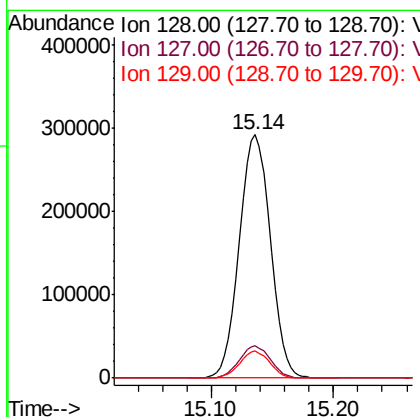
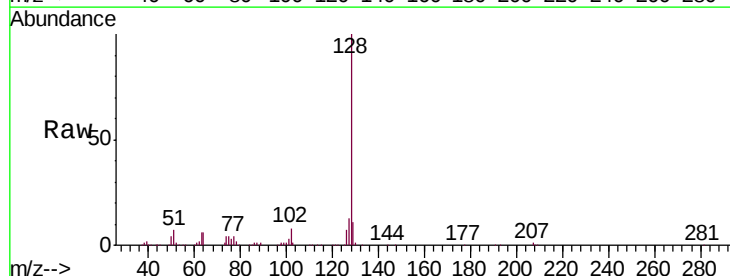
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3BDL

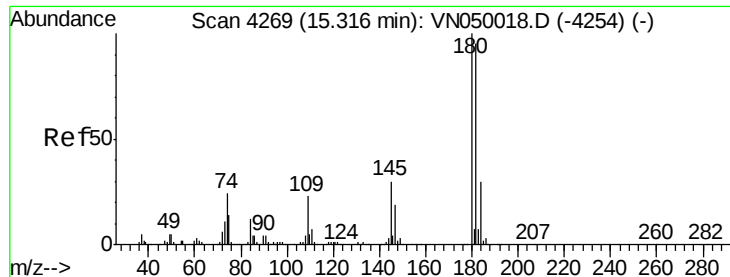
Tot Ion:180 Resp: 173
 Ion Ratio Lower Upper
 180 100
 182 106.4 46.7 140.1
 145 0.0 13.8 41.4#



#95
 Naphthalene
 Concen: 33.29 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050186.D
 Acq: 30 Jul 2018 14:44

Tgt Ion:128 Resp: 514071
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 10.9 8.8 13.2

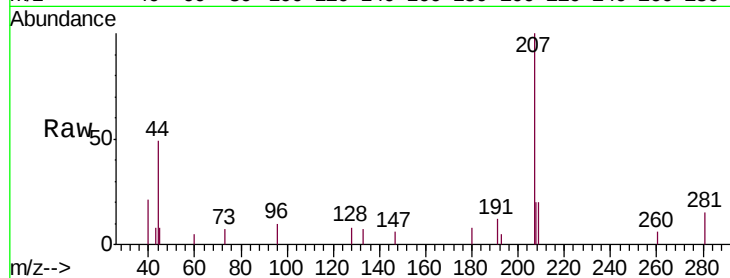




#96
 1,2,3-Trichlorobenzene
 Concen: 2.23 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.01 min
 Lab File: VN050186.D
 Acq: 30 Jul 2018 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3BDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	68.6	48.1	144.4
145	0.0	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

