

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050289.D
 Acq On : 3 Aug 2018 2:33
 Operator : MD\SY
 Sample : J4303-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELDBLANK

Quant Time: Aug 03 04:38:13 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	648156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1083527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	293718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	458799	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.59	113	414886	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
50) Toluene-d8	10.09	98	1441255	44.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.62%	
62) 4-Bromofluorobenzene	12.40	95	371221	34.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.32%	

Target Compounds

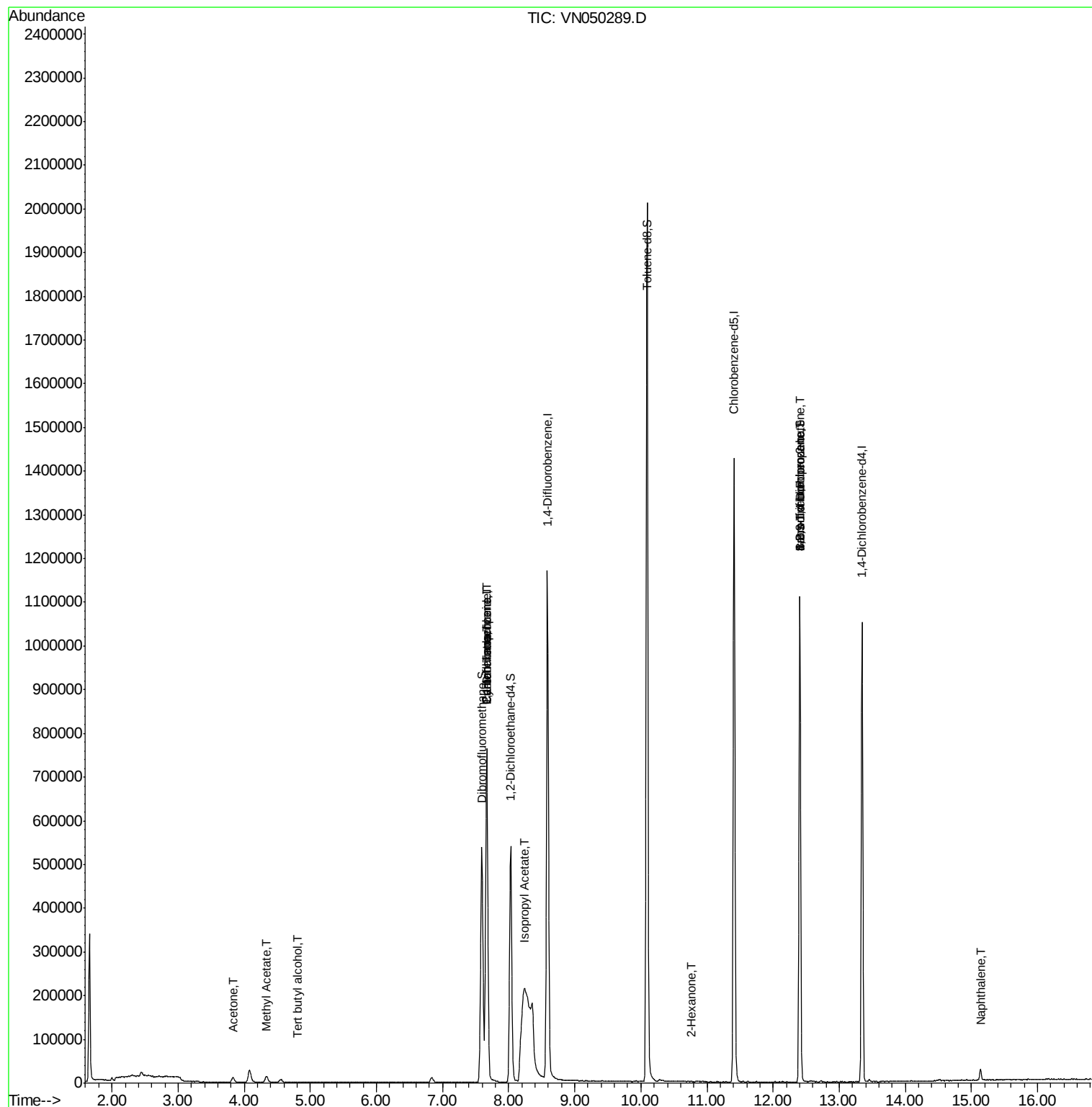
						Qvalue
5) Bromomethane	2.56	94	537	Below Cal		93
11) Tert butyl alcohol	4.80	59	472	0.71 ug/l	#	72
16) Acetone	3.83	43	18816	4.57 ug/l		98
18) Methyl Acetate	4.33	43	25691	1.52 ug/l		99
20) Methylene Chloride	4.54	84	2563	Below Cal		87
31) Cyclohexane	7.67	56	12609	0.95 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	45683	3.74 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	58860	4.54 ug/l	#	16
43) Isopropyl Acetate	8.24	43	374601	22.73 ug/l	#	61
59) 2-Hexanone	10.75	43	143	5.20 ug/l	#	24
71) Bromoform	12.41	173	3448	0.57 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	109	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	182663	33.46 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	182663	106.14 ug/l	#	13
95) Naphthalene	15.14	128	21401	5.87 ug/l		98

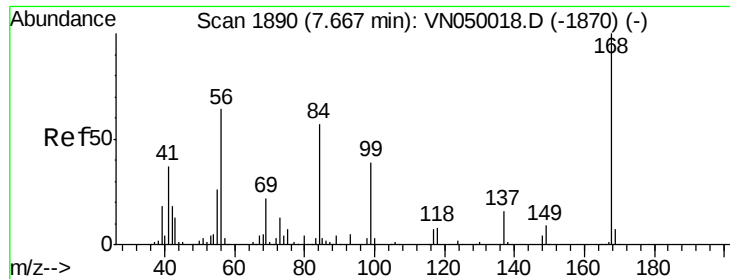
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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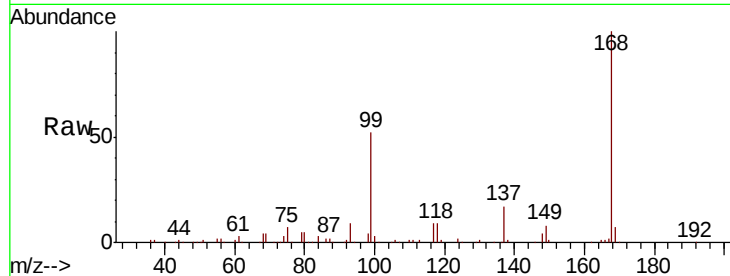




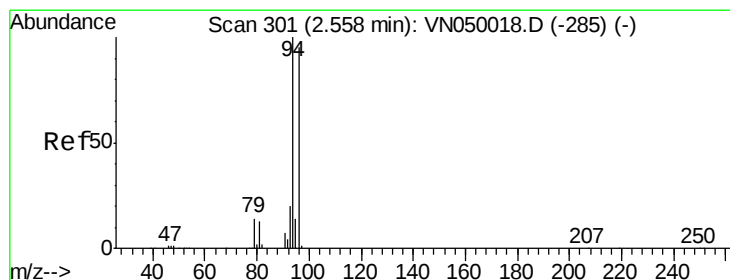
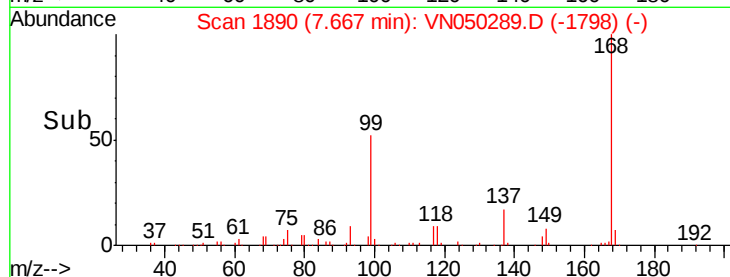
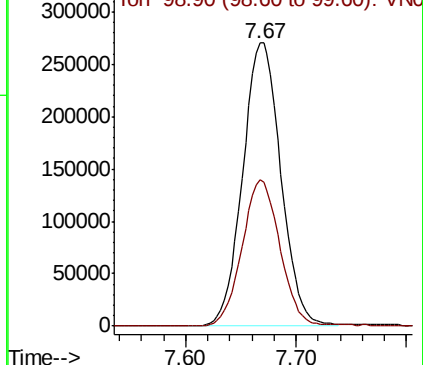
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

Instrument :
MSVOA_N
ClientSampleId :
FIELDBLANK

Tot Ion:168 Resp: 648156
Ion Ratio Lower Upper
168 100
99 51.7 40.0 60.0

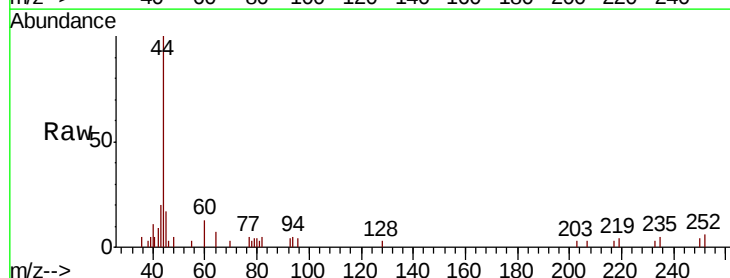


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN0

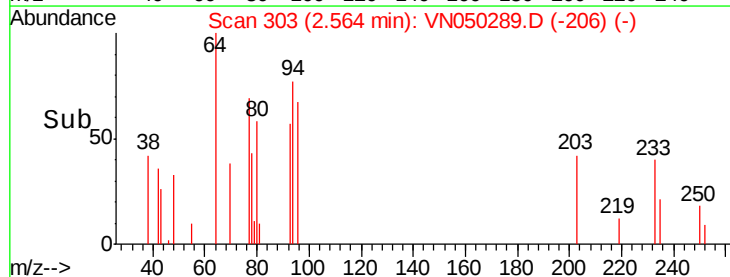
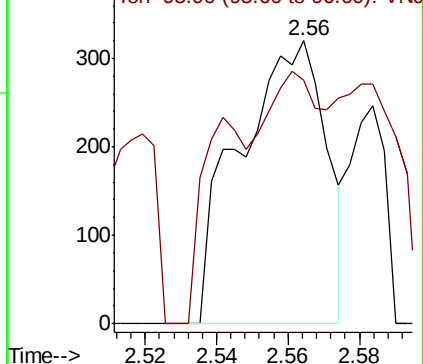


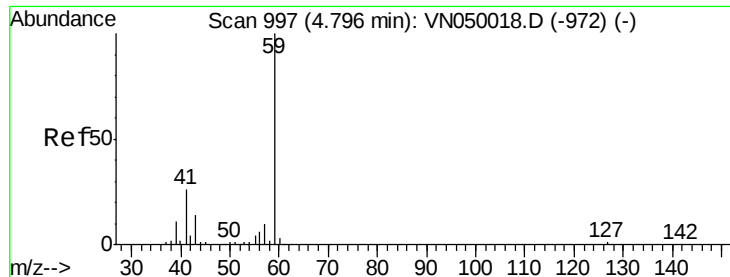
#5
Bromomethane
Concen: Below Cal
RT: 2.56 min Scan# 303
Delta R.T. 0.01 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

Tgt Ion: 94 Resp: 537
Ion Ratio Lower Upper
94 100
96 86.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



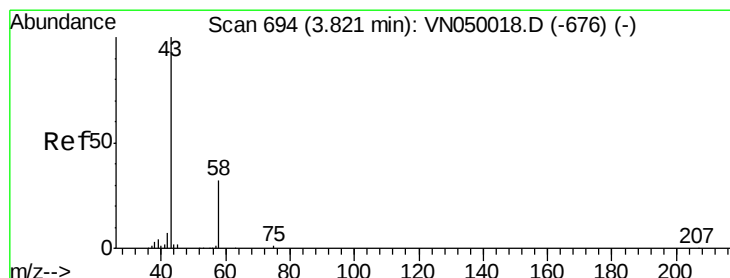
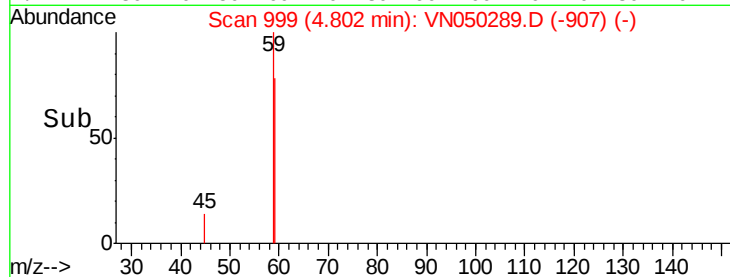
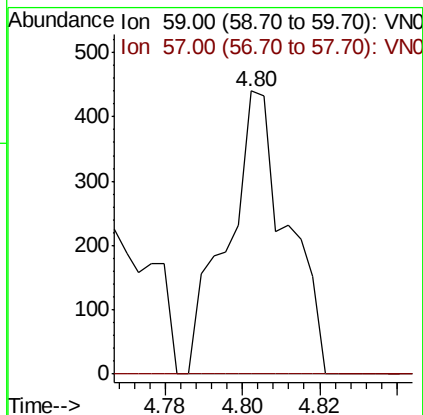
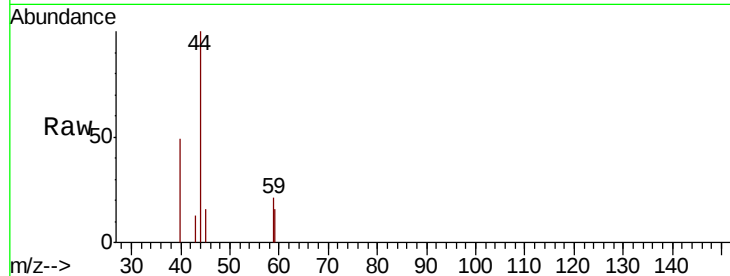


#11

Tert butyl alcohol
 Concen: 0.71 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN050289.D
 Acq: 3 Aug 2018 2:33

Instrument :
 MSVOA_N
 ClientSampled :
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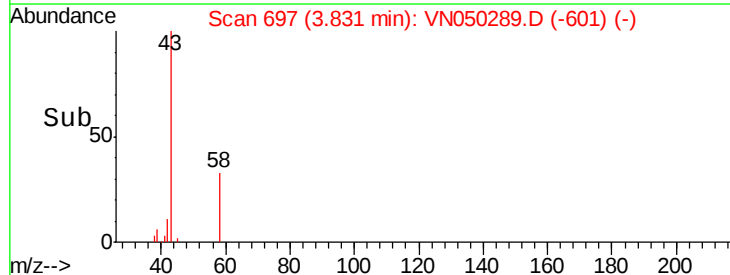
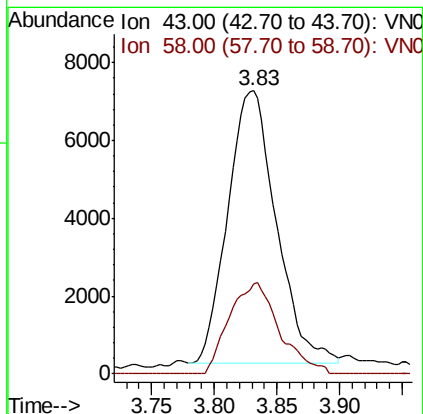
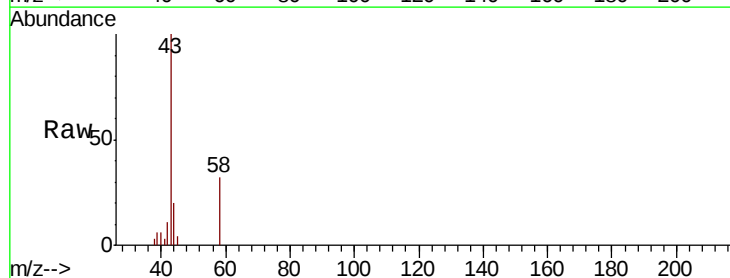
Tot Ion: 59 Resp: 472
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

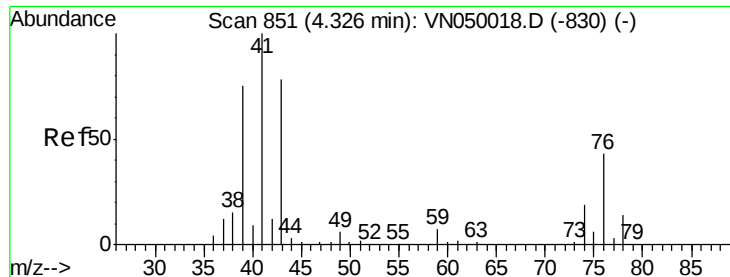


#16

Acetone
 Concen: 4.57 ug/l
 RT: 3.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VN050289.D
 Acq: 3 Aug 2018 2:33

Tgt Ion: 43 Resp: 18816
 Ion Ratio Lower Upper
 43 100
 58 33.2 25.8 38.8

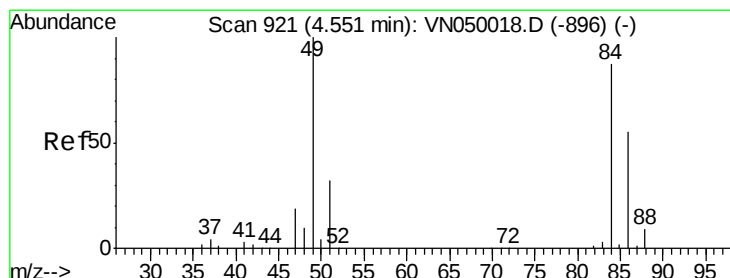
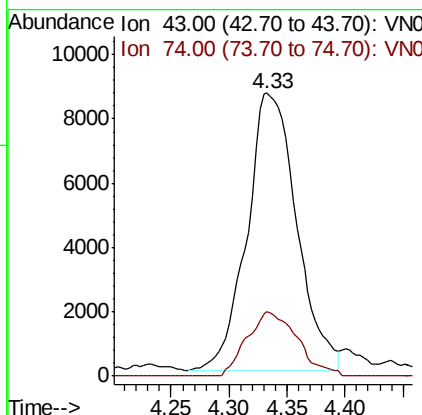
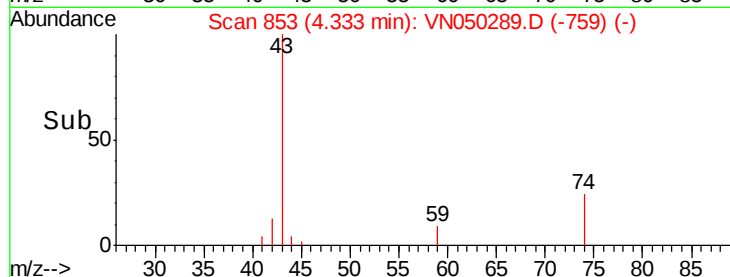
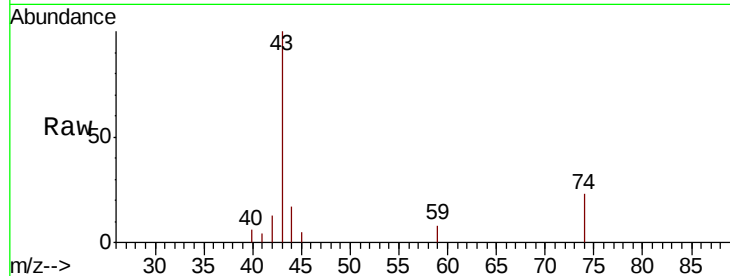




#18
Methyl Acetate
Concen: 1.52 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

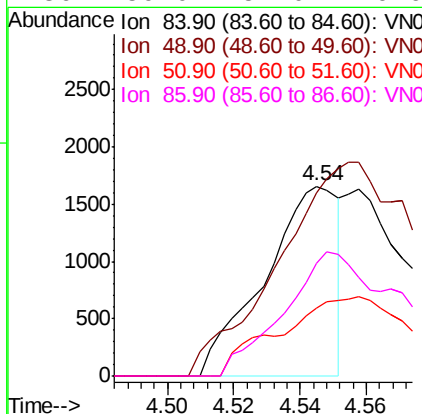
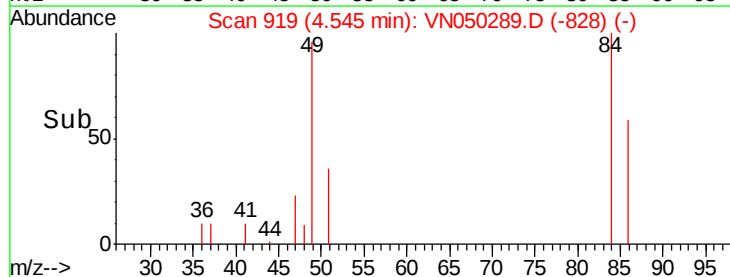
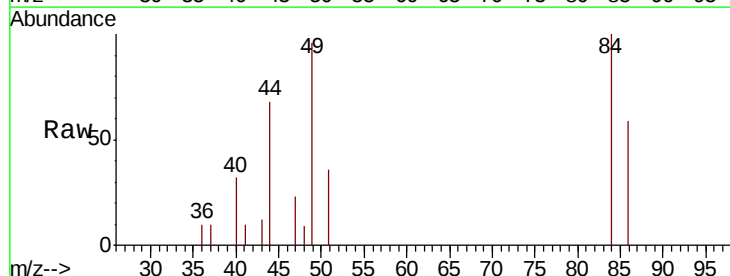
Instrument :
MSVOA_N
ClientSampled :
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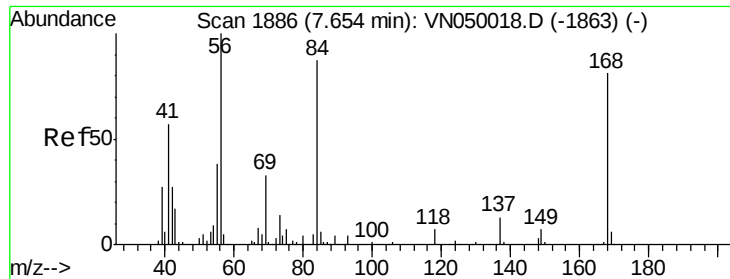
Tot Ion: 43 Resp: 25691
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

Tgt Ion: 84 Resp: 2563
Ion Ratio Lower Upper
84 100
49 96.4 94.8 142.2
51 35.9 28.3 42.5
86 59.0 51.0 76.6

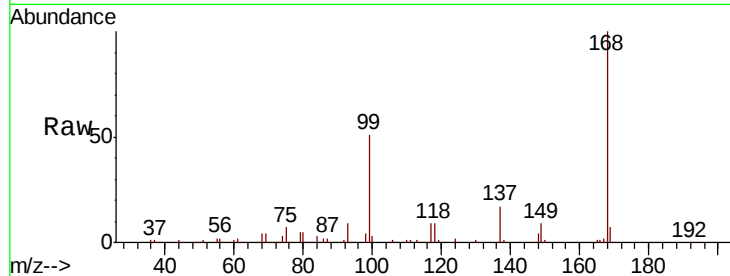




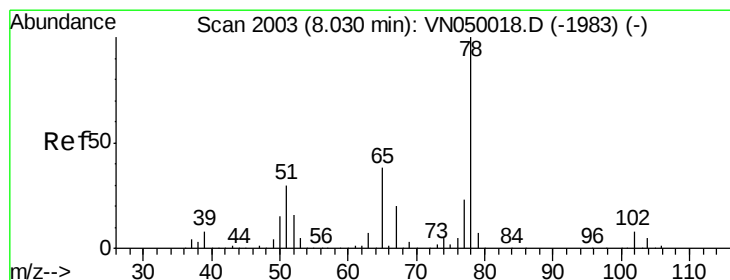
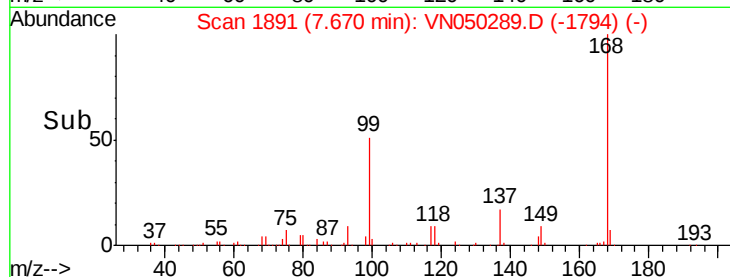
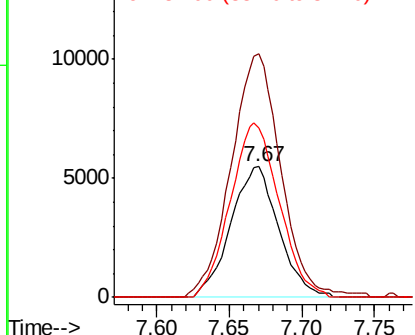
#31
Cyclohexane
Concen: 0.95 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

Instrument :
MSVOA_N
ClientSampled :
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Tot Ion: 56 Resp: 12609
Ion Ratio Lower Upper
56 100
69 182.9 26.2 39.4#
84 129.7 67.4 101.0#

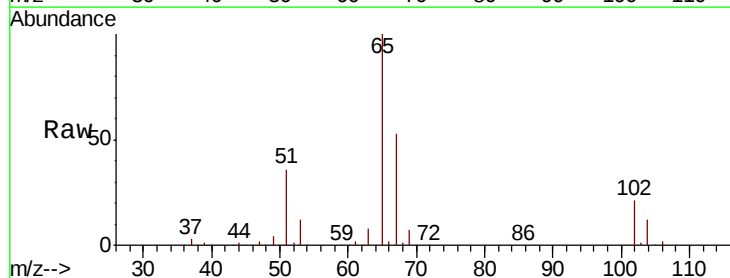


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

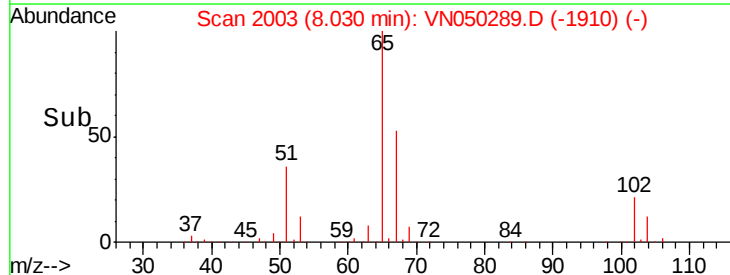
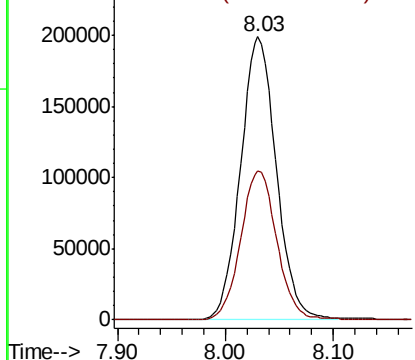


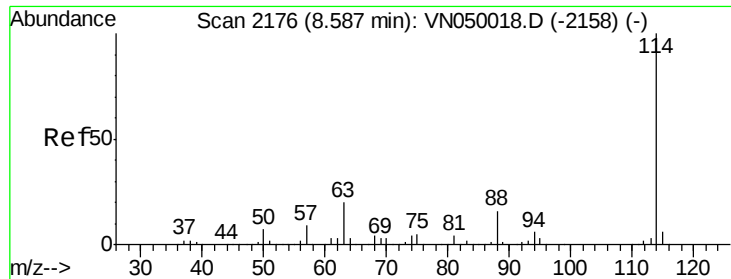
#33
1,2-Dichloroethane-d4
Concen: 50.73 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

Tgt Ion: 65 Resp: 458799
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



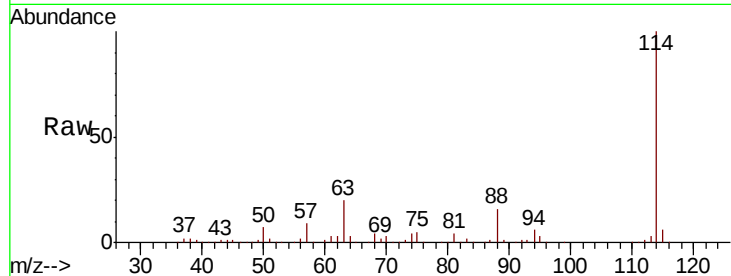


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050289.D
 Acq: 3 Aug 2018 2:33

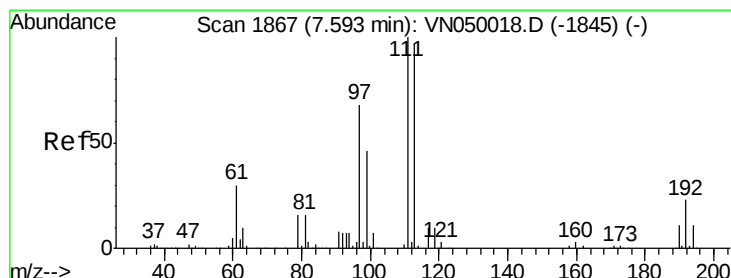
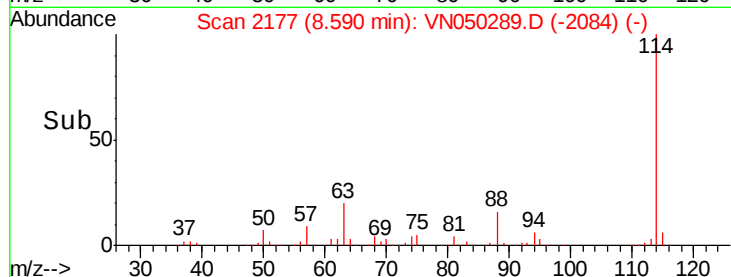
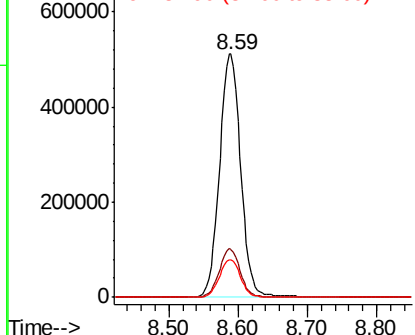
Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:114 Resp: 1083527

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.6	0.0	31.2



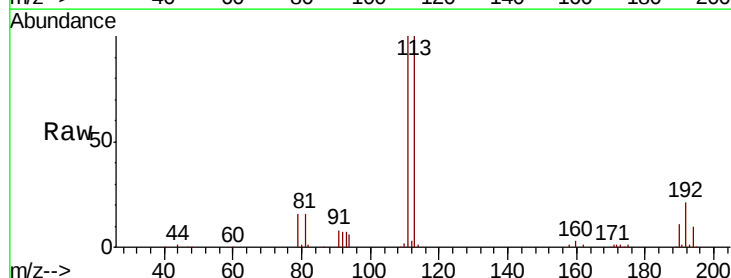
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



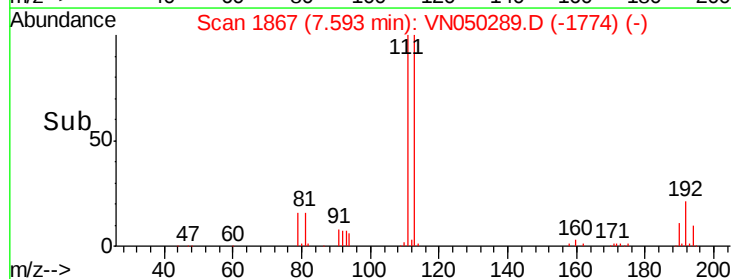
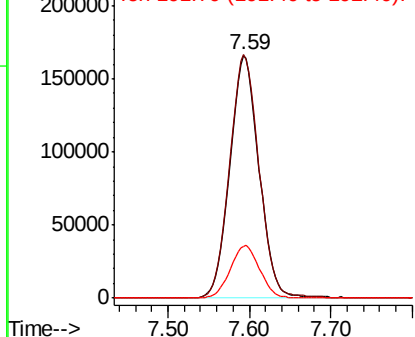
#35
 Dibromofluoromethane
 Concen: 46.90 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050289.D
 Acq: 3 Aug 2018 2:33

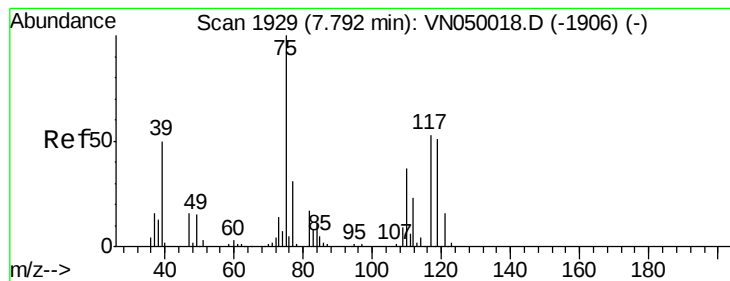
Tgt Ion:113 Resp: 414886

Ion	Ratio	Lower	Upper
113	100		
111	101.5	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: 3.74 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.13 min

Lab File: VN050289.D

Acq: 3 Aug 2018 2:33

Instrument :

MSVOA_N

ClientSampled :

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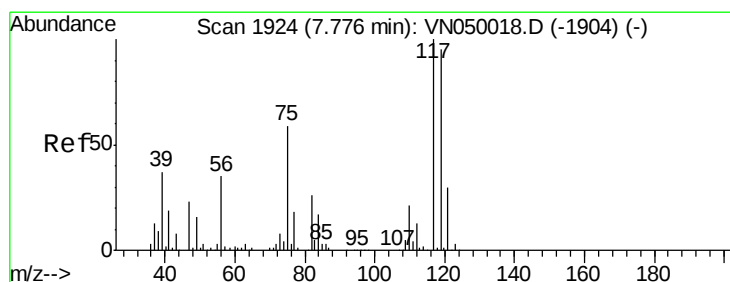
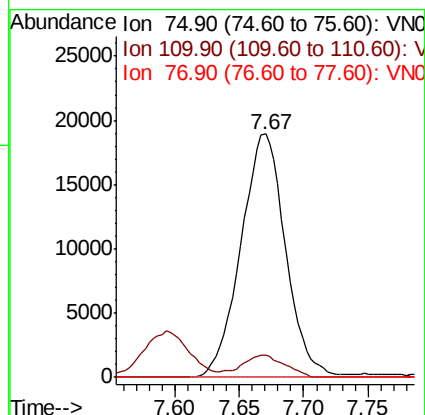
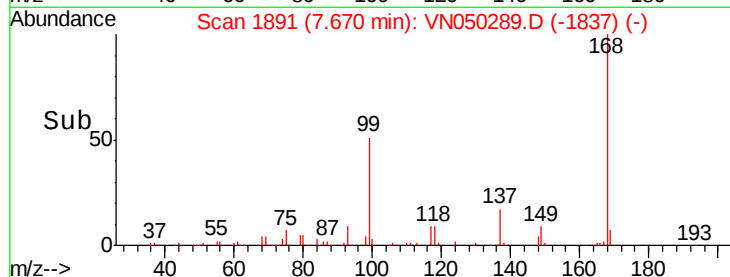
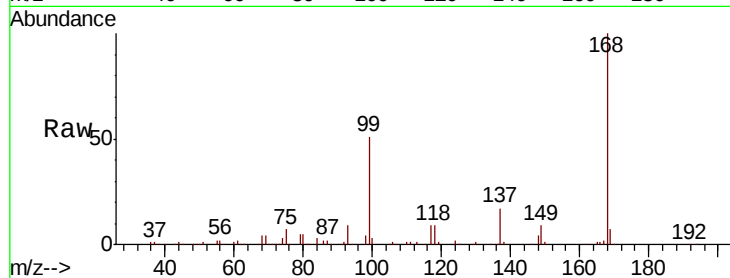
Tot Ion: 75 Resp: 45683

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.54 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050289.D

Acq: 3 Aug 2018 2:33

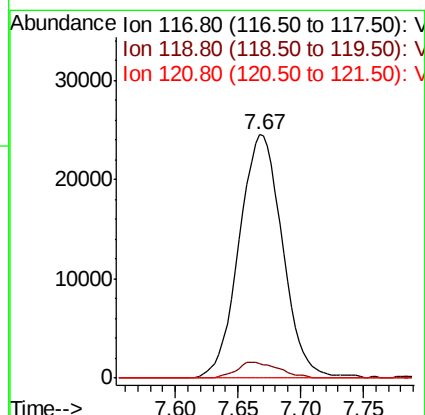
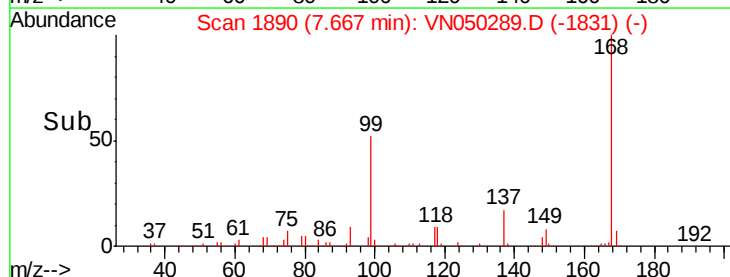
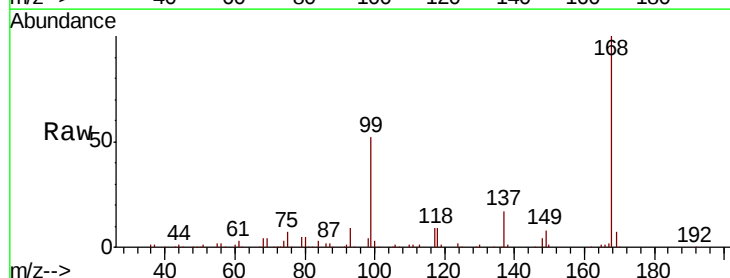
Tgt Ion: 117 Resp: 58860

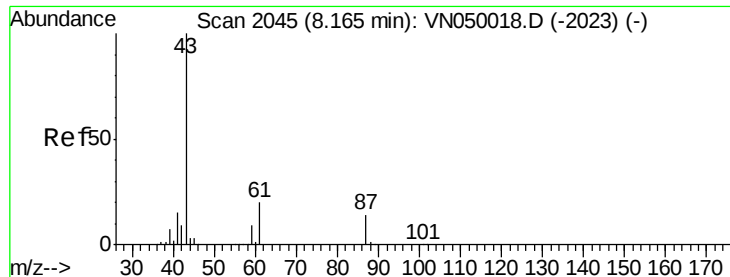
Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 22.73 ug/l

RT: 8.24 min Scan# 2068

Delta R.T. 0.07 min

Lab File: VN050289.D

Acq: 3 Aug 2018 2:33

Instrument :

MSVOA_N

ClientSampleId :

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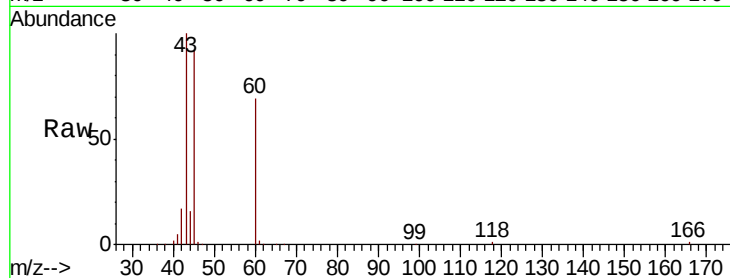
Tot Ion: 43 Resp: 374601

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

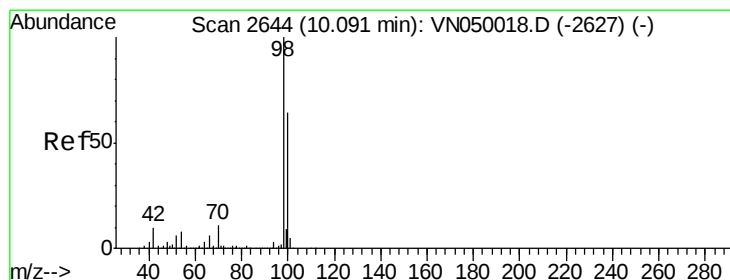
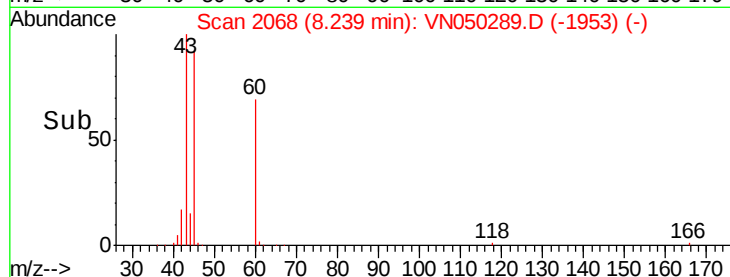
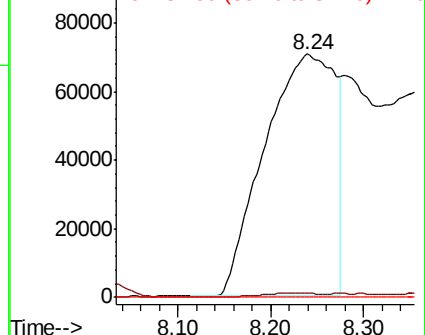
87 0.0 10.3 15.5#



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



#50

Toluene-d8

Concen: 44.31 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050289.D

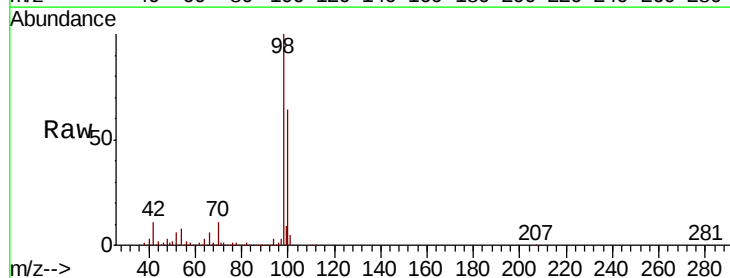
Acq: 3 Aug 2018 2:33

Tgt Ion: 98 Resp: 1441255

Ion Ratio Lower Upper

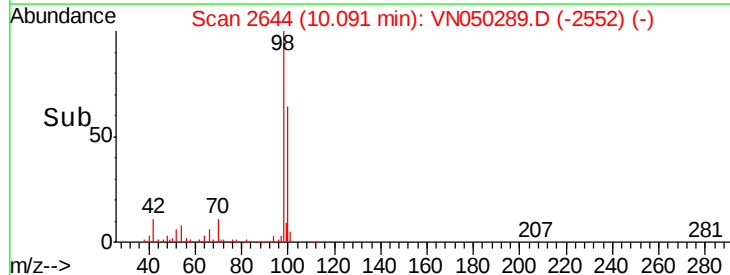
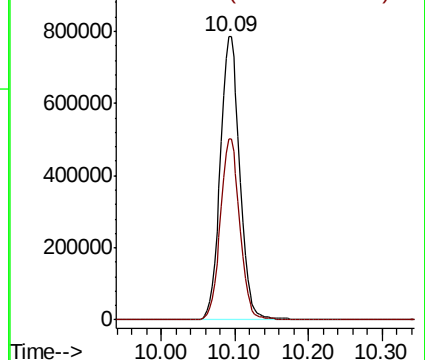
98 100

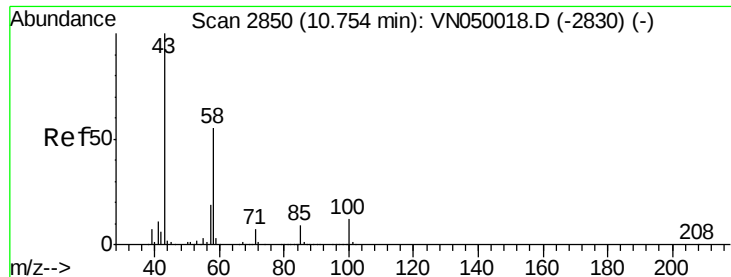
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

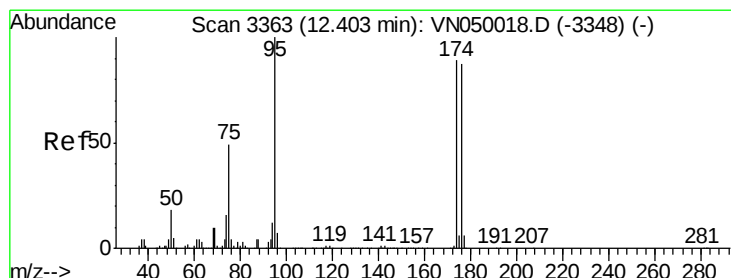
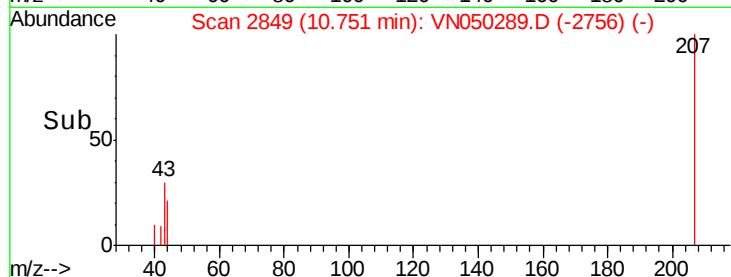
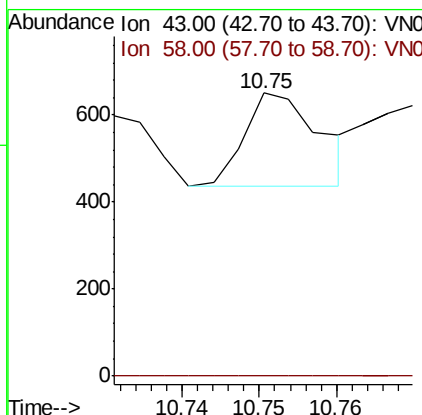
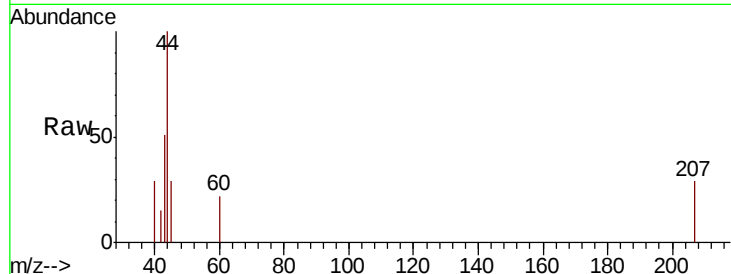




#59
2-Hexanone
Concen: 5.20 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

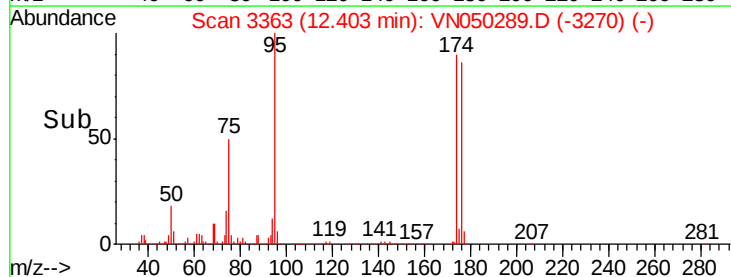
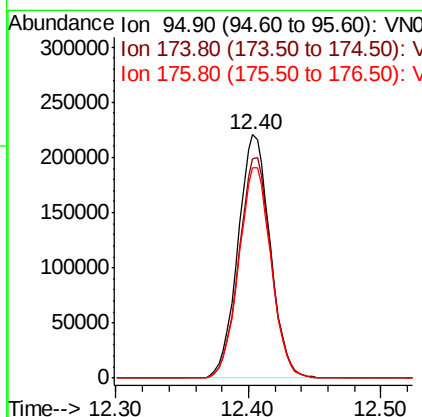
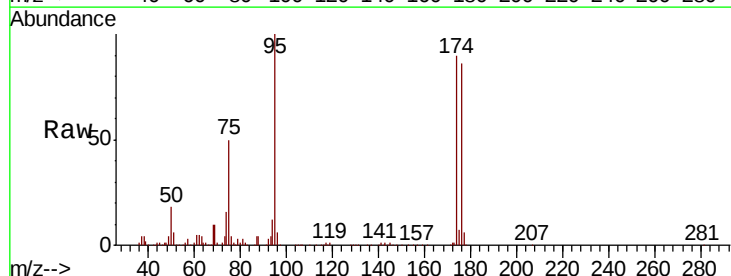
Instrument :
MSVOA_N
ClientSampleId :
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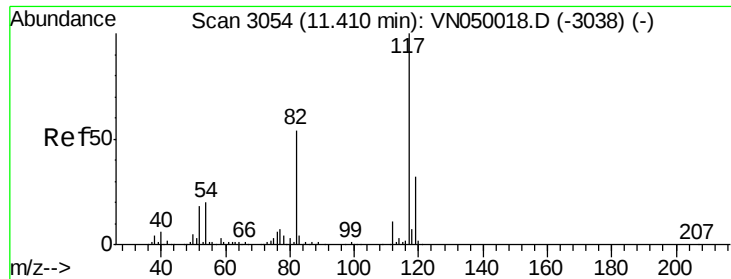
Tot Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 34.66 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

Tgt Ion: 95 Resp: 371221
Ion Ratio Lower Upper
95 100
174 91.0 0.0 178.2
176 87.1 0.0 173.4

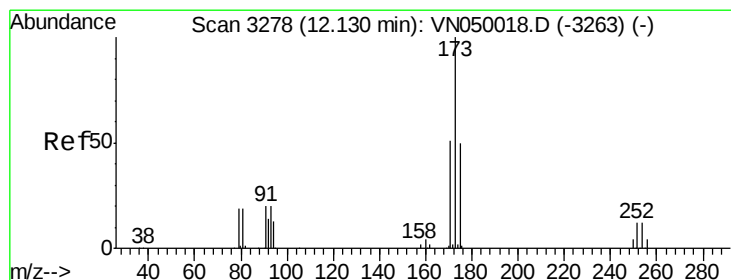
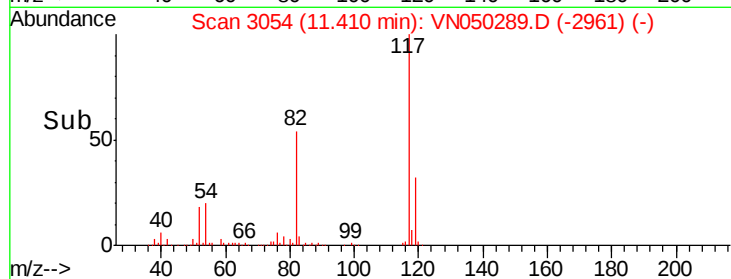
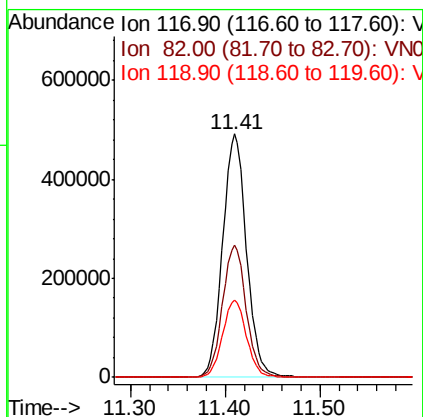
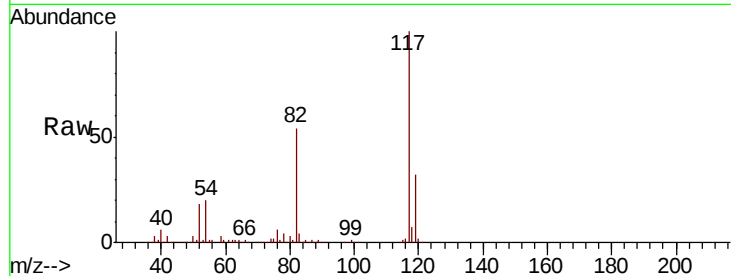




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

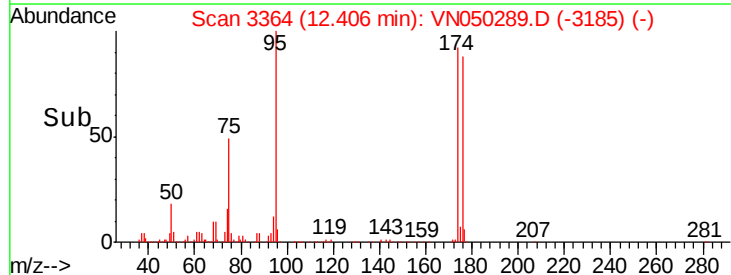
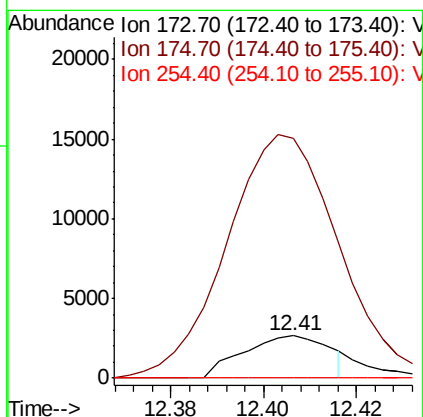
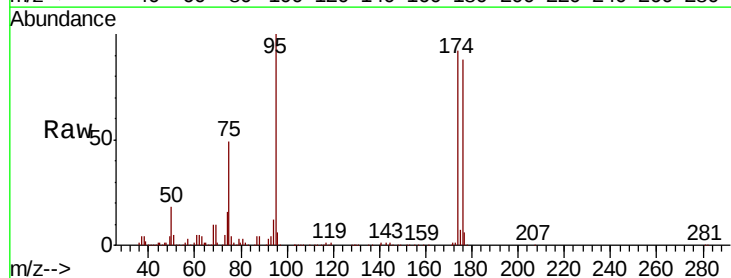
Instrument :
MSVOA_N
ClientSampleId :
FIELDBLANK

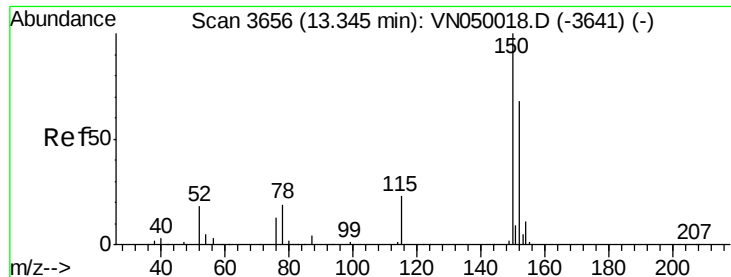
Tot Ion:117 Resp: 860627
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 31.9 26.1 39.1



#71
Bromoform
Concen: 0.57 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

Tgt Ion:173 Resp: 3448
Ion Ratio Lower Upper
173 100
175 658.9 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: VN050289.D

Acq: 3 Aug 2018 2:33

Instrument :

MSVOA_N

ClientSampleId :

FIELDBLANK

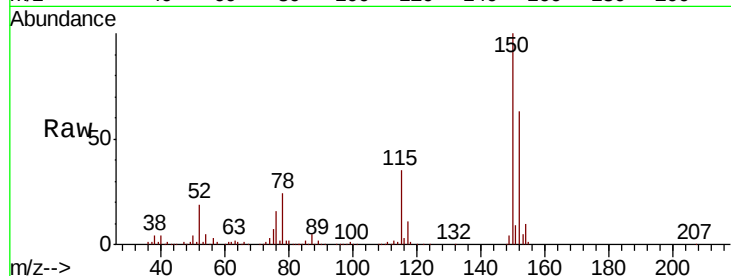
Tot Ion:152 Resp: 293718

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

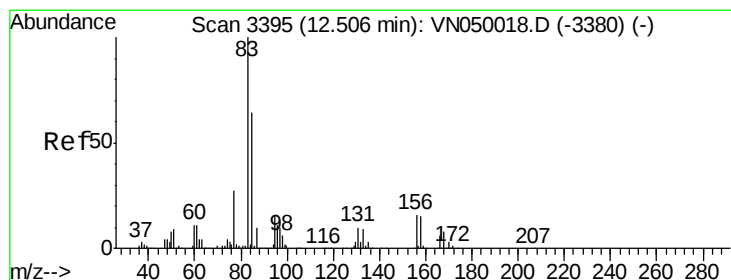
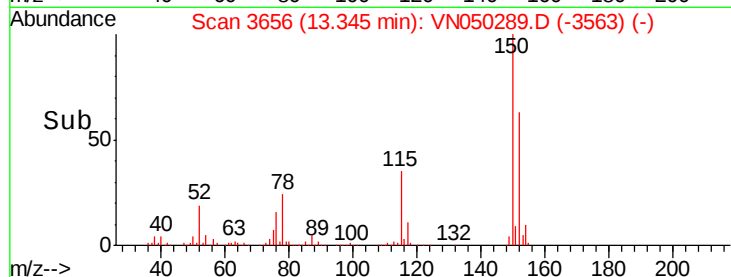
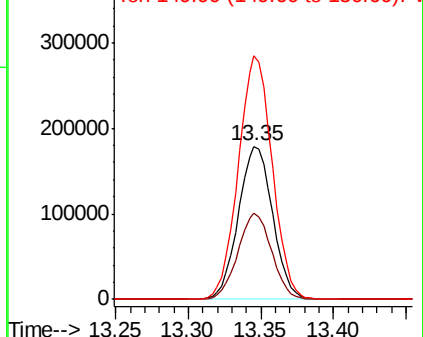
150 157.3 0.0 348.6



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: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050289.D

Acq: 3 Aug 2018 2:33

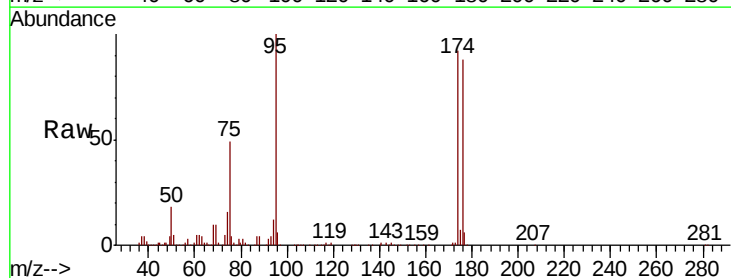
Tgt Ion: 83 Resp: 109

Ion Ratio Lower Upper

83 100

131 417.4 5.1 15.3#

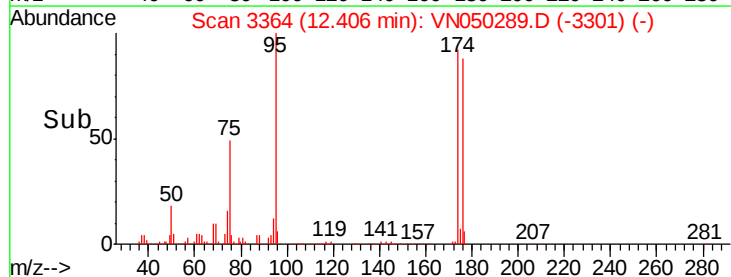
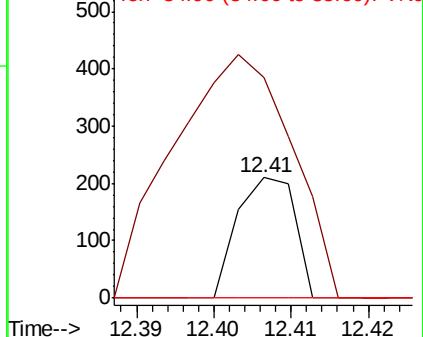
85 0.0 32.3 96.8#

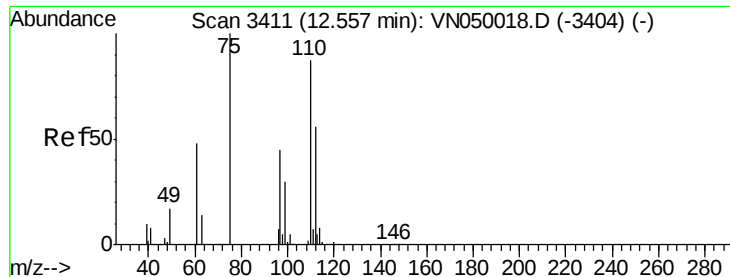


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050289.D

Acq: 3 Aug 2018 2:33

Instrument :

MSVOA_N

ClientSampleId :

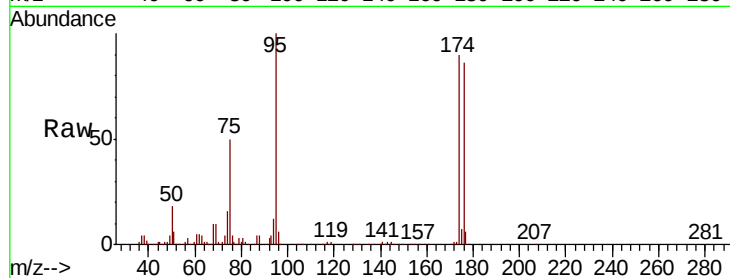
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Tot Ion: 75 Resp: 182663

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

120000

100000

80000

60000

40000

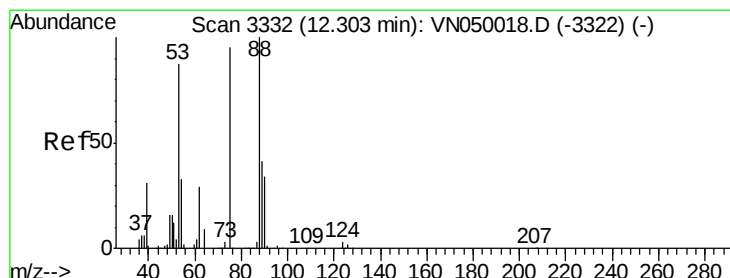
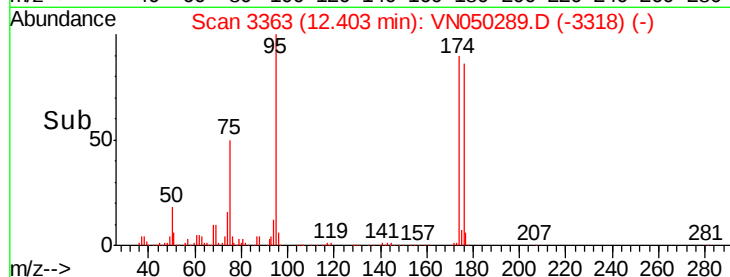
20000

0

12.40

12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 106.14 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050289.D

Acq: 3 Aug 2018 2:33

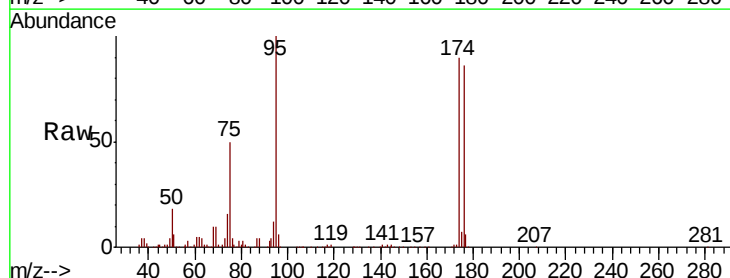
Tgt Ion: 75 Resp: 182663

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

150000

100000

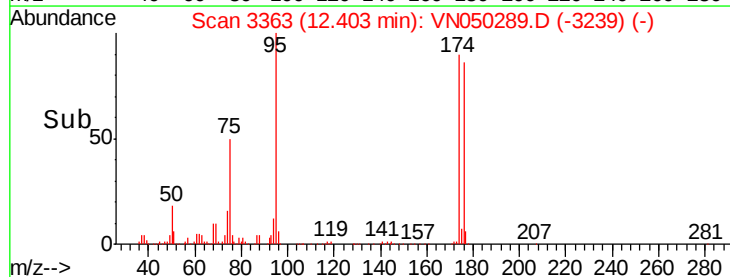
50000

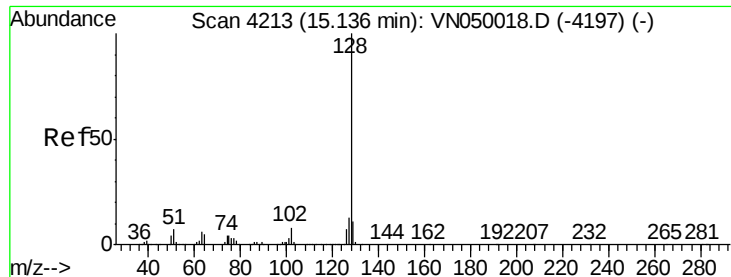
0

12.40

12.50

Time-->

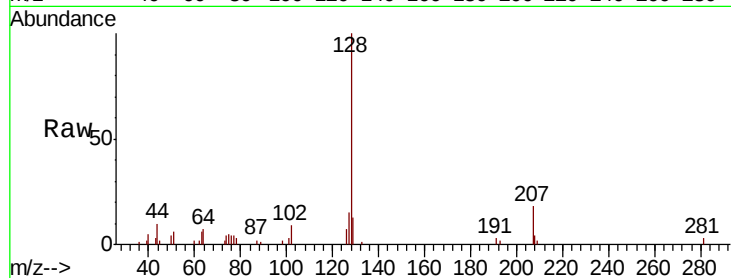




#95
Naphthalene
Concen: 5.87 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050289.D
Acq: 3 Aug 2018 2:33

Instrument :
MSVOA_N
ClientSampleId :
FIELDBLANK

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.4	15.6
129	11.6	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

