

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050184.D
 Acq On : 30 Jul 2018 13:54
 Operator : MD\SY
 Sample : PB111570ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111570ZHE#04

Quant Time: Jul 31 01:10:39 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	659460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1108529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	947599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	325256	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	463425	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
35) Dibromofluoromethane	7.59	113	420732	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
50) Toluene-d8	10.09	98	1505998	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	
62) 4-Bromofluorobenzene	12.40	95	415985	37.97	ug/l	0.00
Spiked Amount			Recovery	=	75.94%	

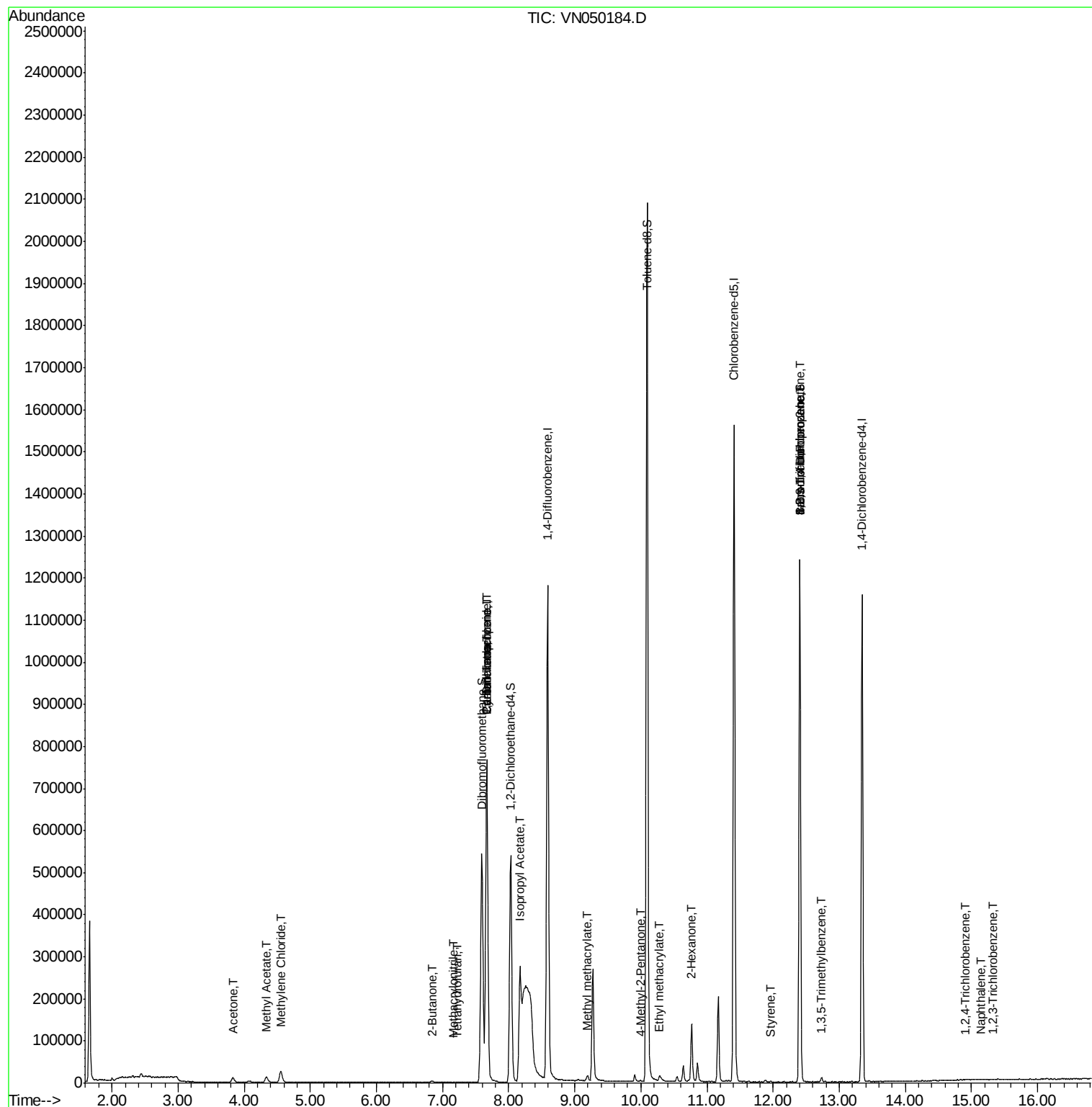
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	70	Below Cal		88
16) Acetone	3.83	43	19341	4.66	ug/l	94
18) Methyl Acetate	4.34	43	25843	1.48	ug/l	98
20) Methylene Chloride	4.55	84	20031	1.23	ug/l	94
25) 2-Butanone	6.85	43	3188	0.91	ug/l #	48
29) Tetrahydrofuran	7.23	42	691	0.30	ug/l #	47
31) Cyclohexane	7.67	56	13107	0.97	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46880	3.75	ug/l #	47
38) Carbon Tetrachloride	7.67	117	59165	4.46	ug/l #	17
41) Methacrylonitrile	7.17	41	63	2.76	ug/l #	10
43) Isopropyl Acetate	8.17	43	332813	19.59	ug/l #	91
48) Methyl methacrylate	9.18	41	7498	1.00	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	2517	0.29	ug/l #	80
56) Ethyl methacrylate	10.27	69	331	2.06	ug/l #	1
59) 2-Hexanone	10.77	43	20388	8.35	ug/l #	58
70) Styrene	11.97	104	456	0.94	ug/l #	55
71) Bromoform	12.40	173	3908	0.58	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	133	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	203811	33.72	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4994	0.25	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	203811	106.95	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	102	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	279	3.13	ug/l #	75
95) Naphthalene	15.15	128	1103	4.48	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	172	2.23	ug/l #	41

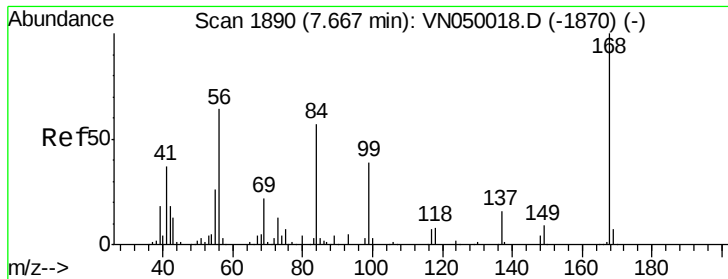
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN050184.D
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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: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

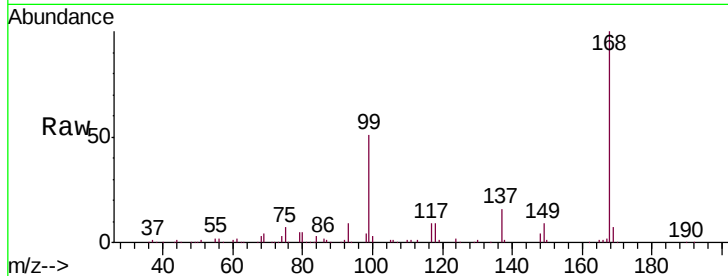
PB111570ZHE#04

Tot Ion:168 Resp: 659460

Ion Ratio Lower Upper

168 100

99 51.0 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

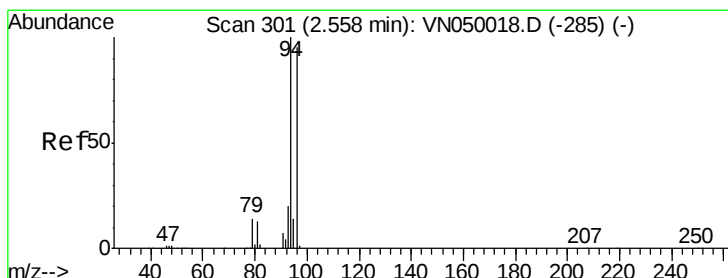
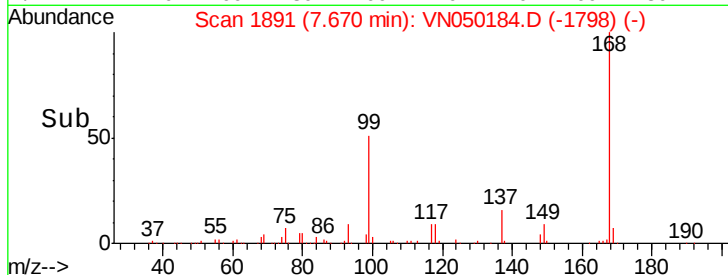
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 293

Delta R.T. -0.02 min

Lab File: VN050184.D

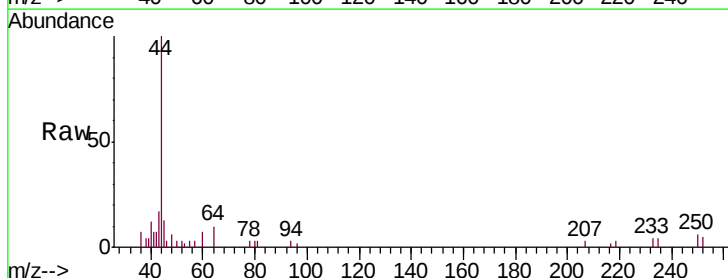
Acq: 30 Jul 2018 13:54

Tgt Ion: 94 Resp: 70

Ion Ratio Lower Upper

94 100

96 82.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

250

200

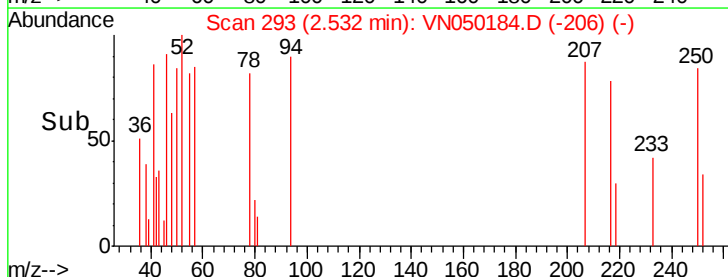
150

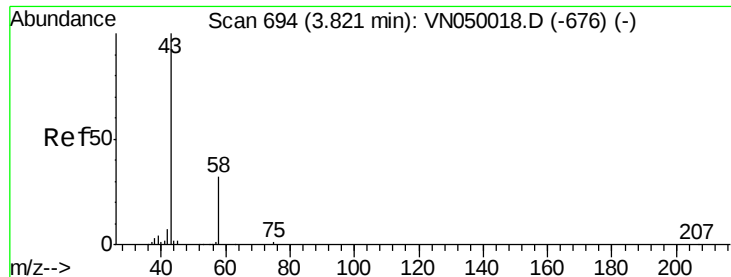
100

50

0

Time-->





#16

Acetone

Concen: 4.66 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

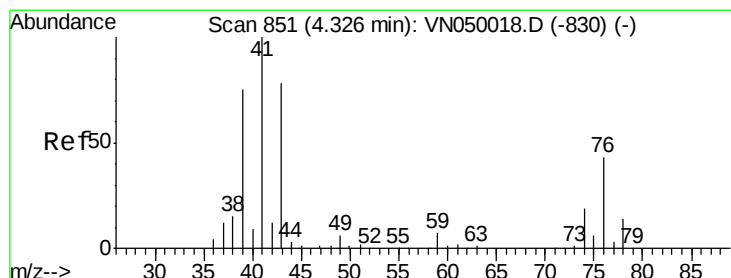
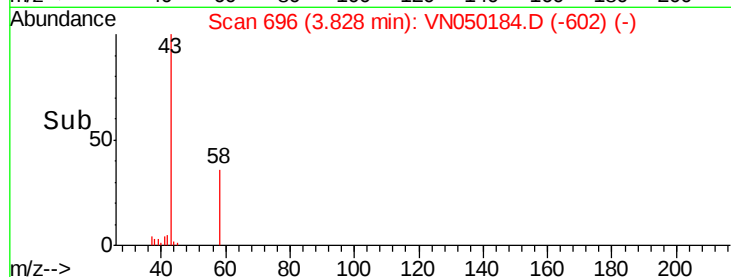
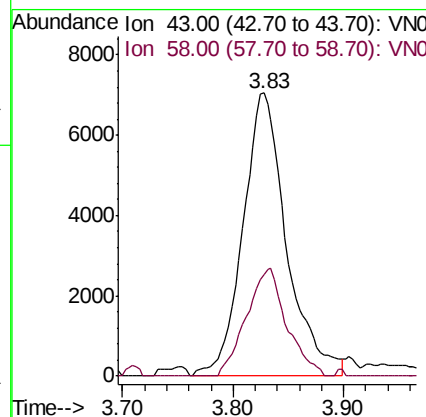
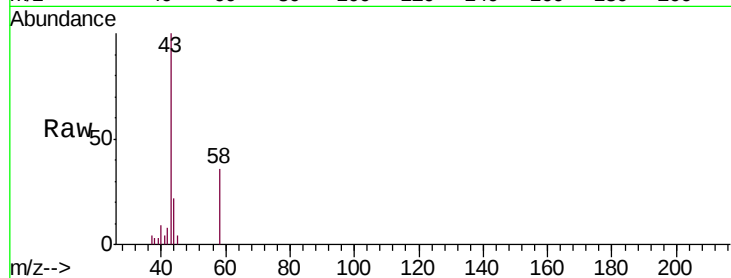
PB111570ZHE#04

Tot Ion: 43 Resp: 19341

Ion Ratio Lower Upper

43 100

58 35.7 25.8 38.8



#18

Methyl Acetate

Concen: 1.48 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050184.D

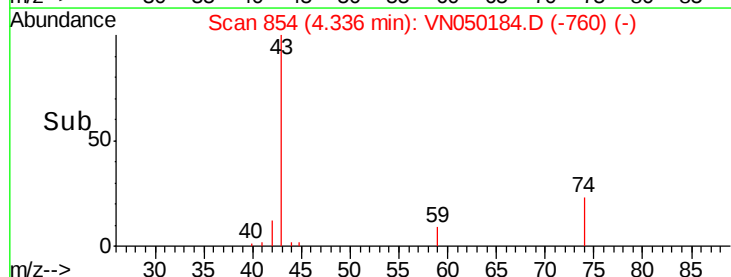
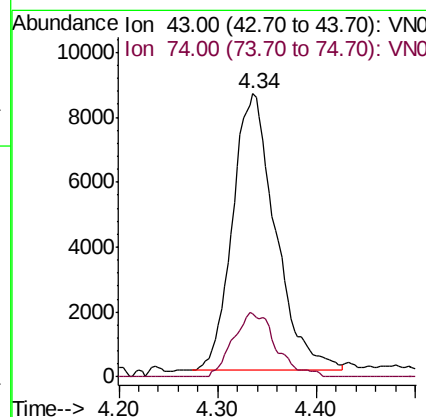
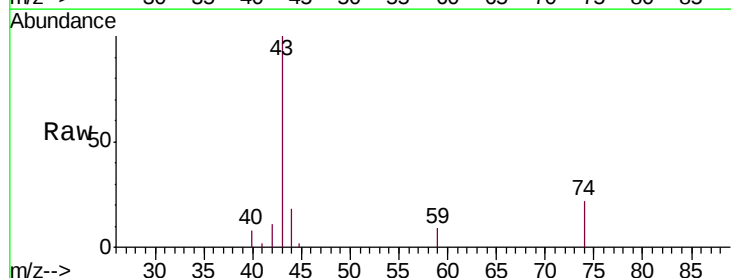
Acq: 30 Jul 2018 13:54

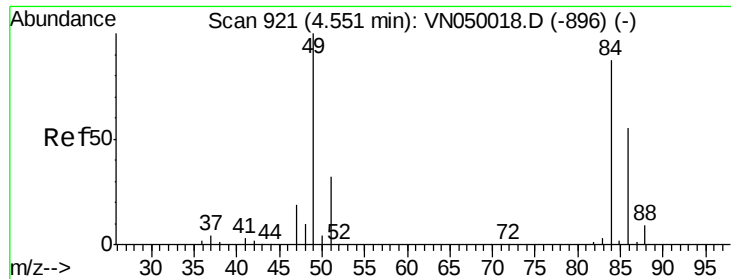
Tgt Ion: 43 Resp: 25843

Ion Ratio Lower Upper

43 100

74 23.1 19.2 28.8

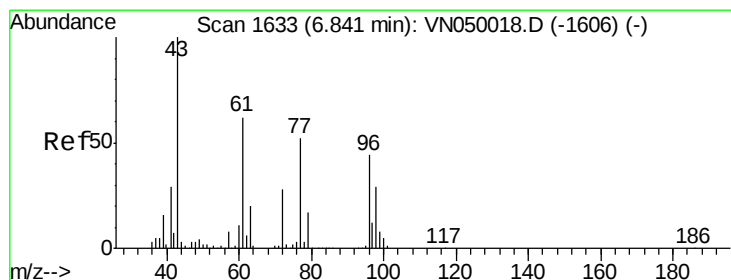
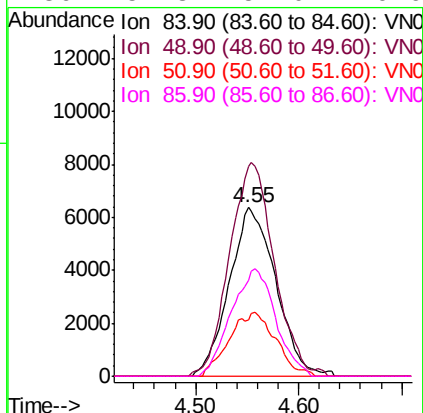
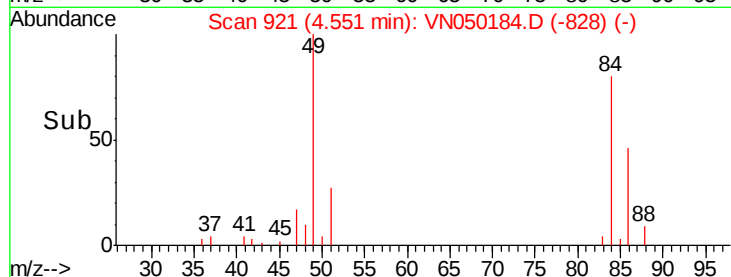
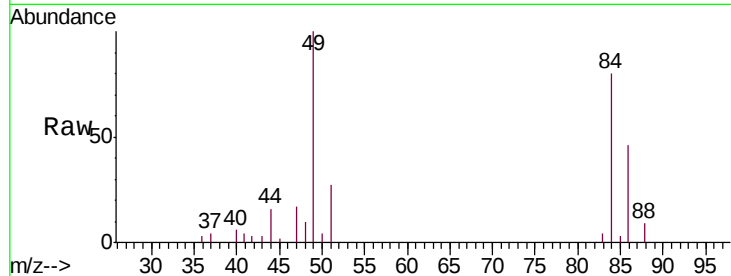




#20
Methvlene Chloride
Concen: 1.23 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050184.D
Acq: 30 Jul 2018 13:54

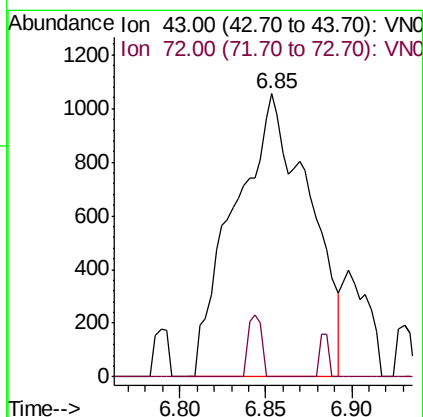
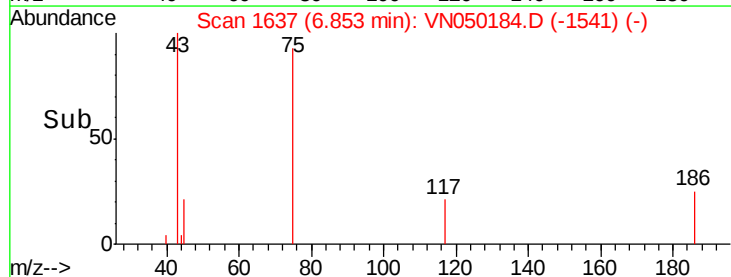
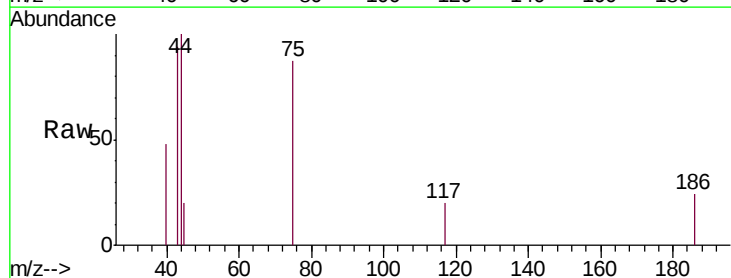
Instrument :
MSVOA_N
ClientSampleId :
PB111570ZHE#04

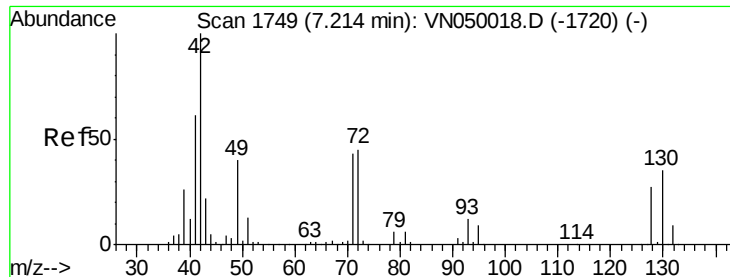
Tot Ion: 84 Resp: 20031
Ion Ratio Lower Upper
84 100
49 124.5 94.8 142.2
51 33.6 28.3 42.5
86 57.3 51.0 76.6



#25
2-Butanone
Concen: 0.91 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050184.D
Acq: 30 Jul 2018 13:54

Tgt Ion: 43 Resp: 3188
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#04

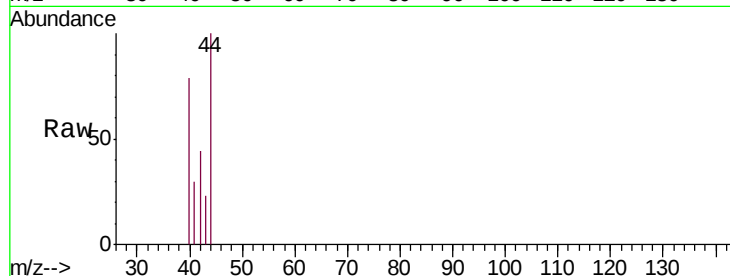
Tot Ion: 42 Resp: 691

Ion Ratio Lower Upper

42 100

72 9.0 35.9 53.9#

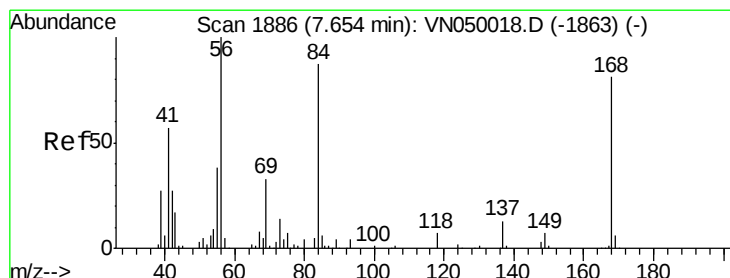
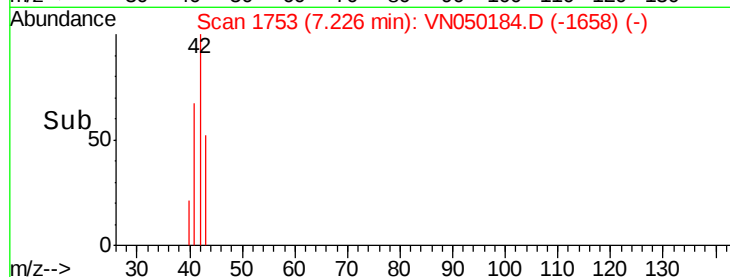
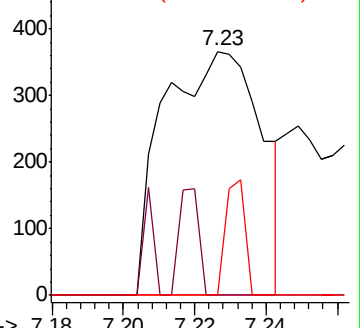
71 9.3 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.97 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

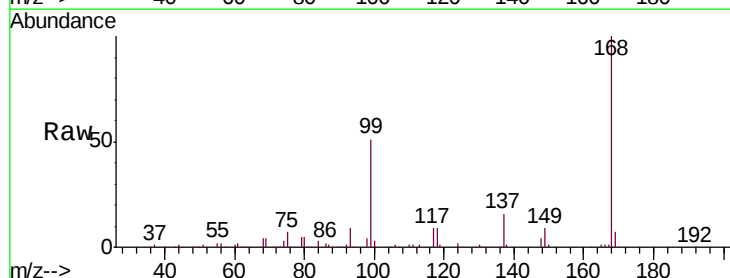
Tgt Ion: 56 Resp: 13107

Ion Ratio Lower Upper

56 100

69 192.7 26.2 39.4#

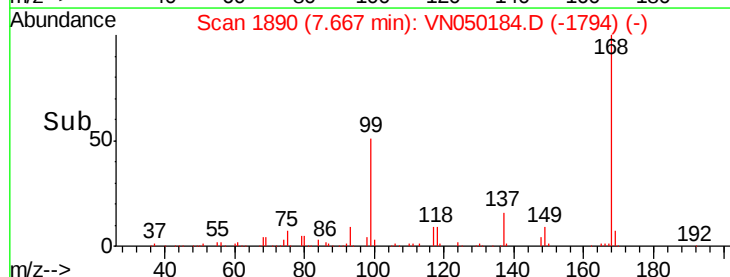
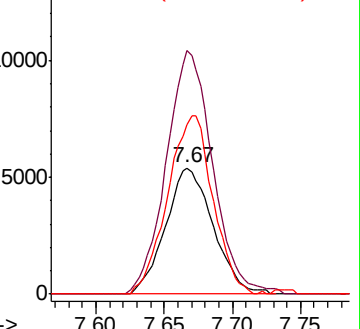
84 133.6 67.4 101.0#

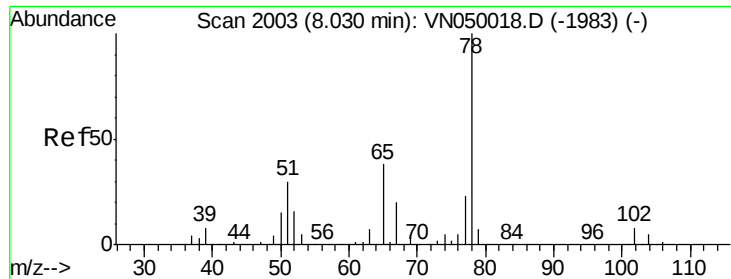


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

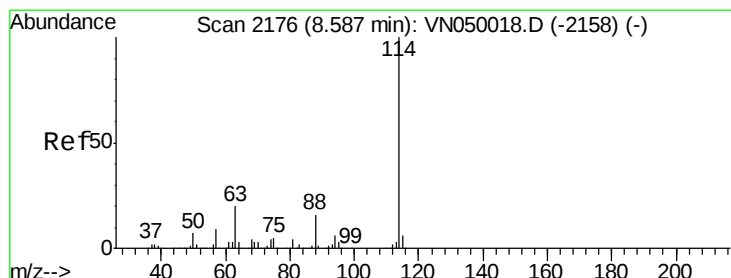
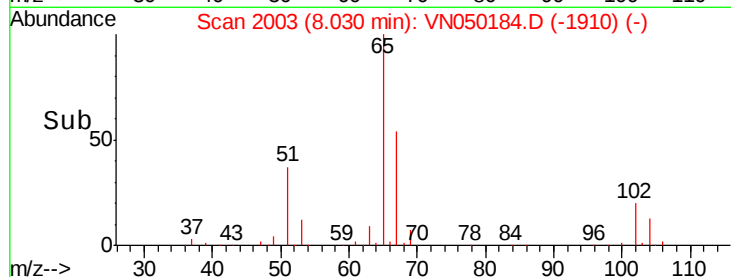
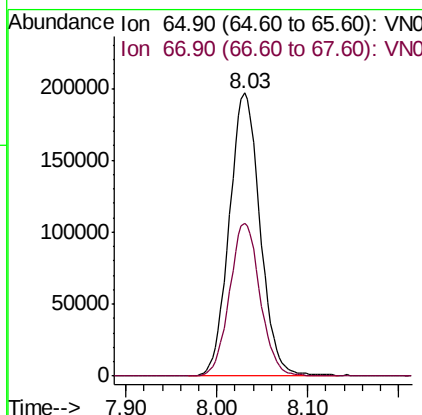
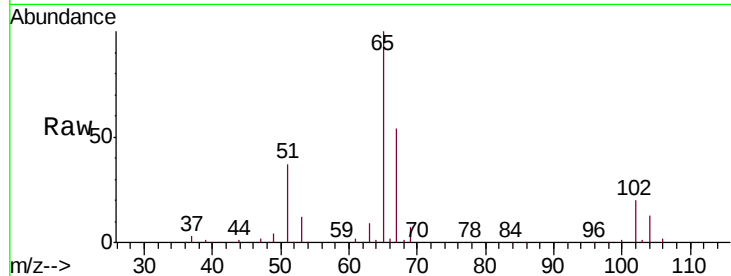




#33
 1,2-Dichloroethane-d4
 Concen: 50.37 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050184.D
 Acq: 30 Jul 2018 13:54

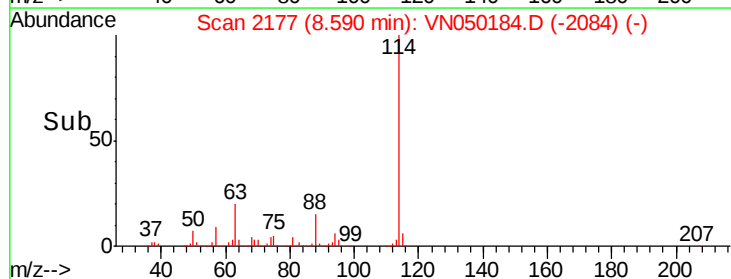
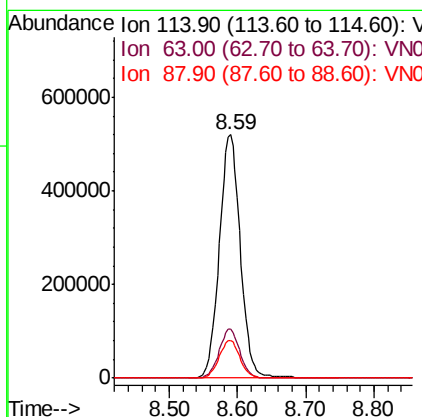
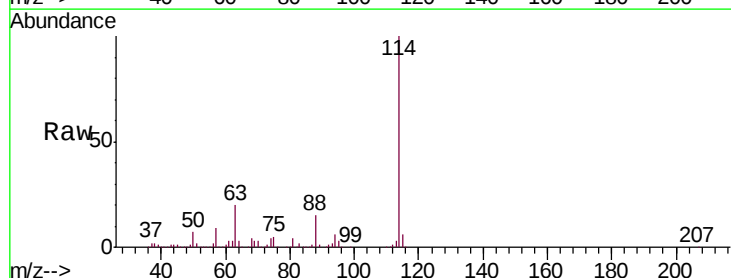
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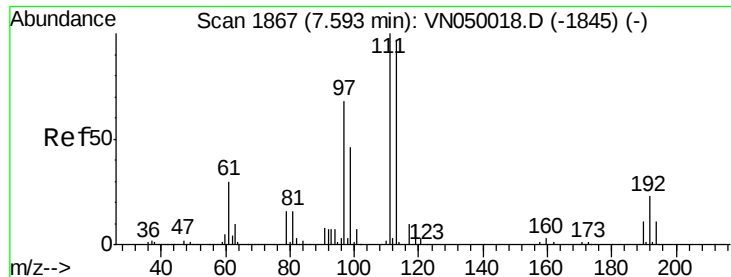
Tot Ion: 65 Resp: 463425
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050184.D
 Acq: 30 Jul 2018 13:54

Tgt Ion: 114 Resp: 1108529
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.4 0.0 31.2

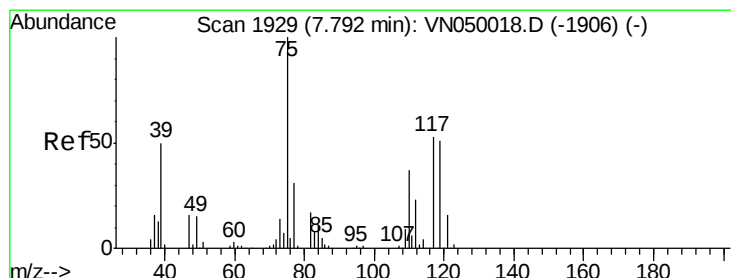
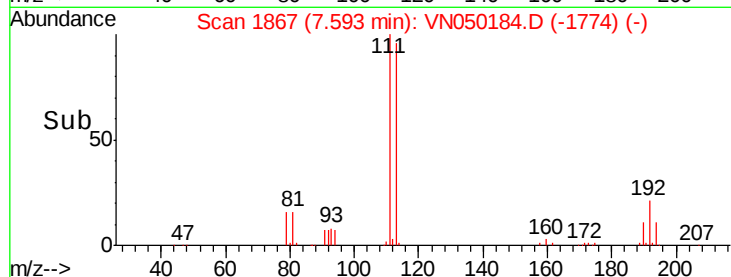
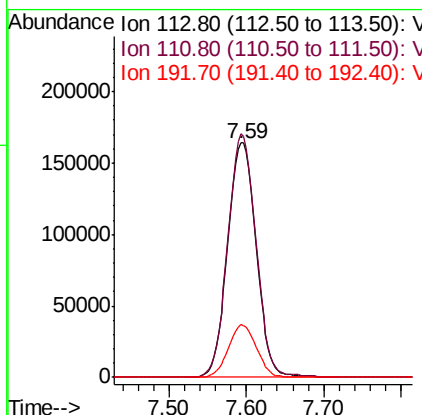
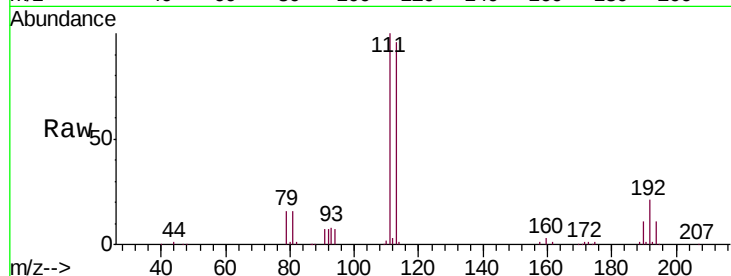




#35
 Dibromofluoromethane
 Concen: 46.49 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050184.D
 Acq: 30 Jul 2018 13:54

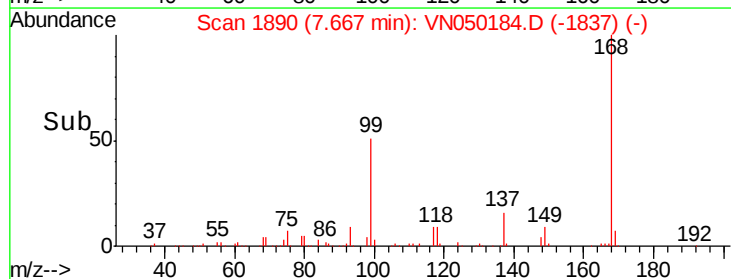
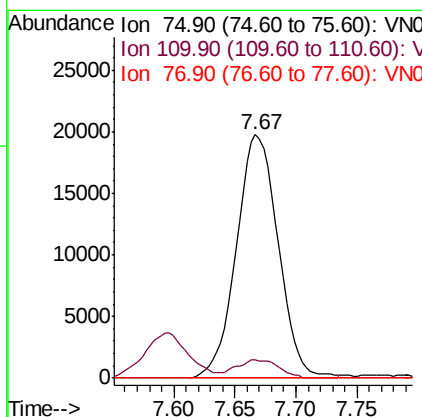
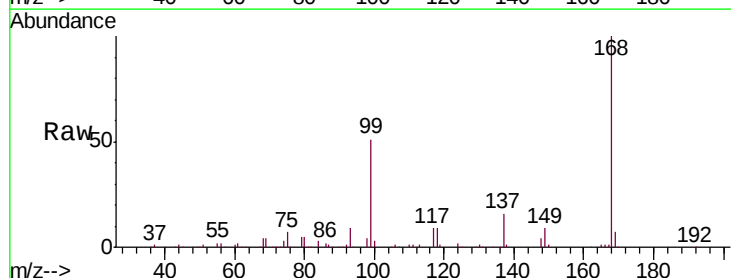
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 PB111570ZHE#04

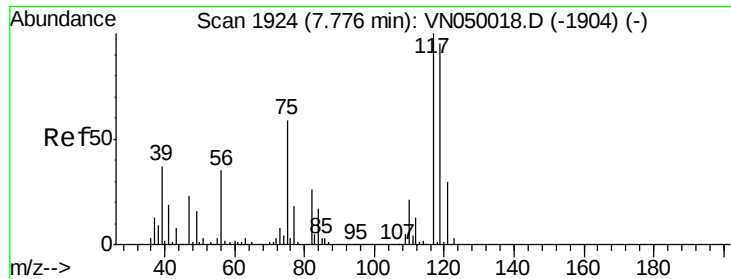
Tot Ion:113 Resp: 420732
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050184.D
 Acq: 30 Jul 2018 13:54

Tgt Ion: 75 Resp: 46880
 Ion Ratio Lower Upper
 75 100
 110 7.6 18.4 55.2#
 77 0.0 25.3 37.9#

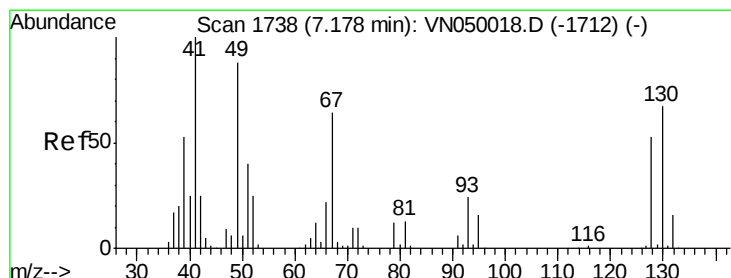
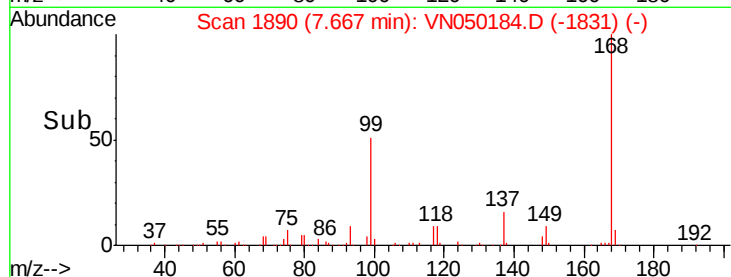
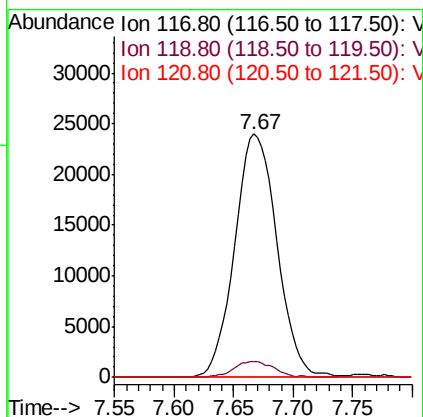
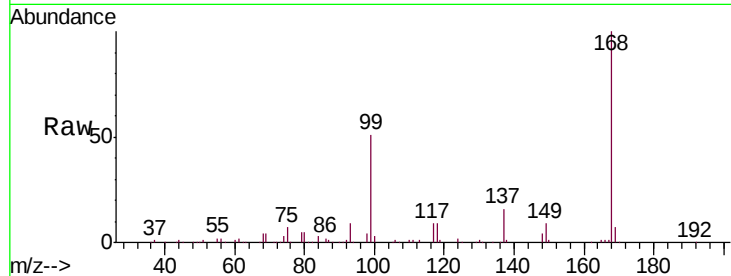




#38
Carbon Tetrachloride
Concen: 4.46 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050184.D
Acq: 30 Jul 2018 13:54

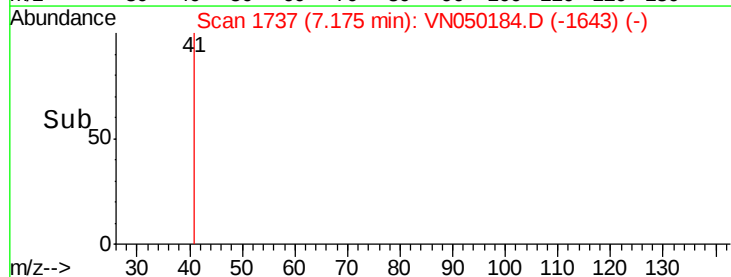
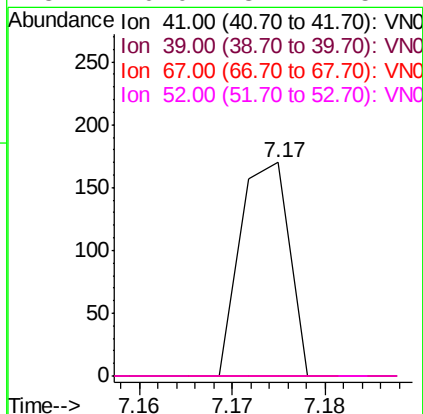
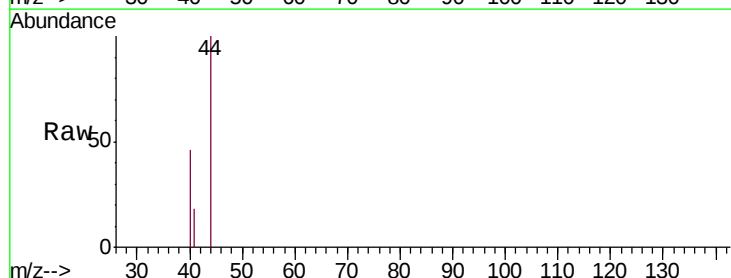
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PB111570ZHE#04

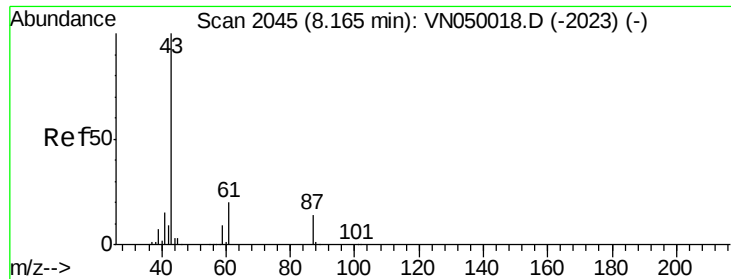
Tot Ion:117 Resp: 59165
Ion Ratio Lower Upper
117 100
119 6.6 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 2.76 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050184.D
Acq: 30 Jul 2018 13:54

Tgt Ion: 41 Resp: 63
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#



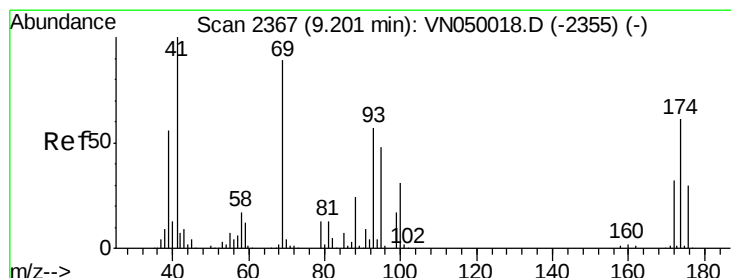
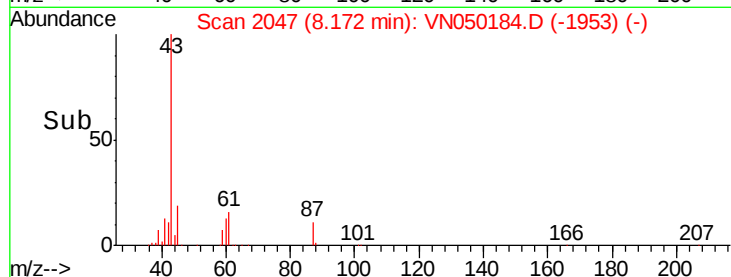
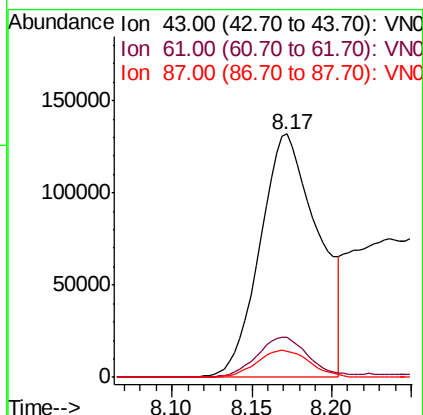
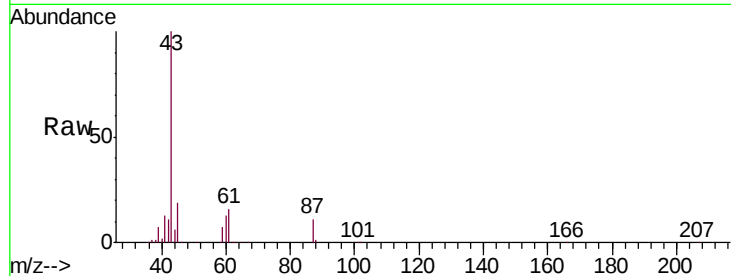


#43

Isopropyl Acetate
 Concen: 19.59 ug/l
 RT: 8.17 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VN050184.D
 Acq: 30 Jul 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111570ZHE#04

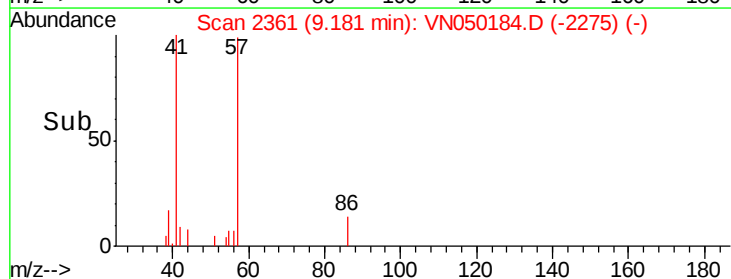
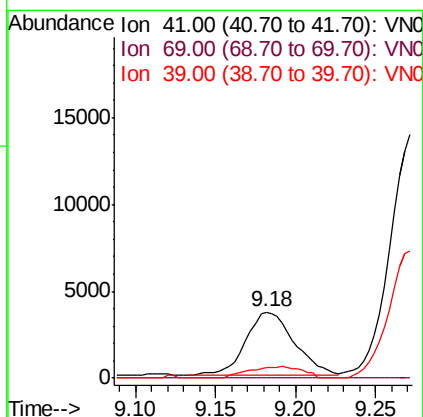
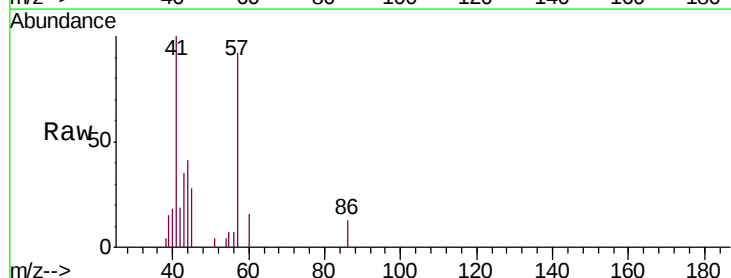
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	15.8	23.6#
87	10.1	10.3	15.5#

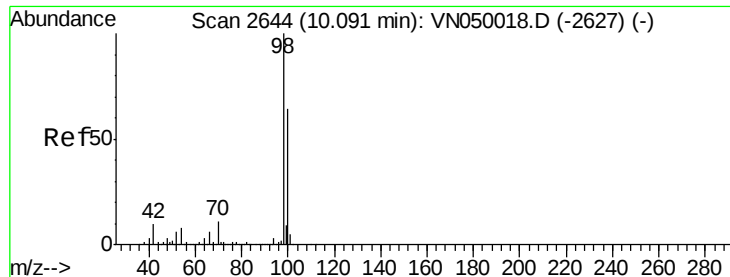


#48

Methyl methacrylate
 Concen: 1.00 ug/l
 RT: 9.18 min Scan# 2361
 Delta R.T. -0.02 min
 Lab File: VN050184.D
 Acq: 30 Jul 2018 13:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	70.6	105.8#
39	20.2	43.9	65.9#





#50

Toluene-d8

Concen: 45.26 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

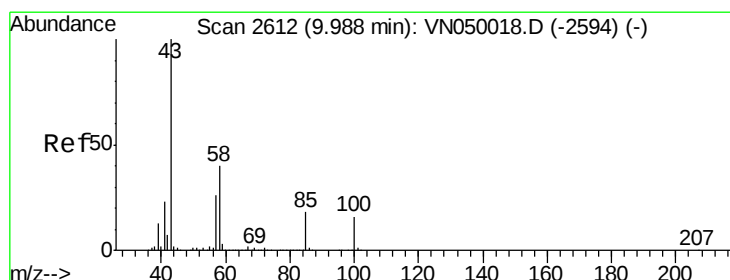
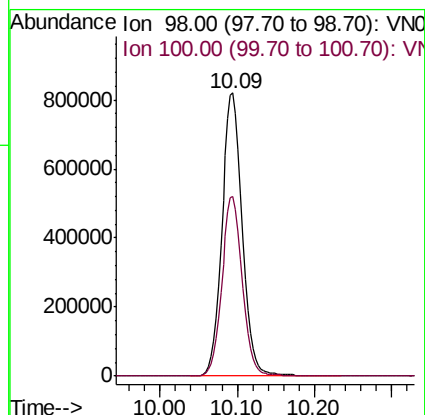
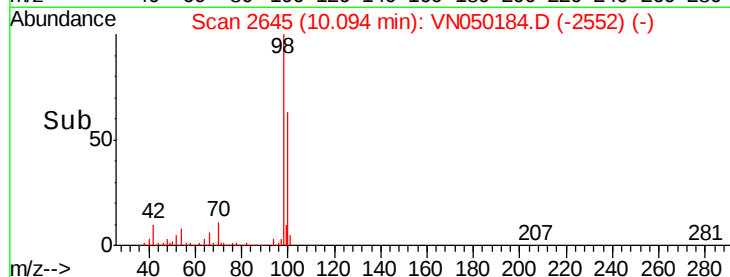
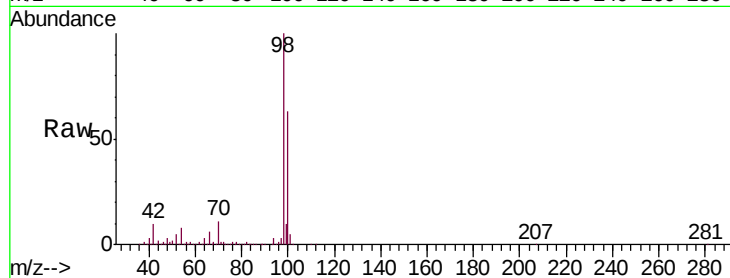
PB111570ZHE#04

Tot Ion: 98 Resp: 1505998

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.29 ug/l

RT: 9.99 min Scan# 2614

Delta R.T. 0.01 min

Lab File: VN050184.D

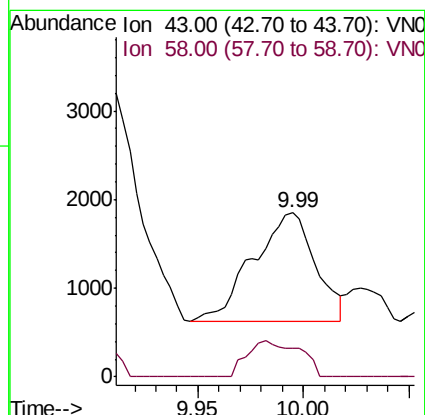
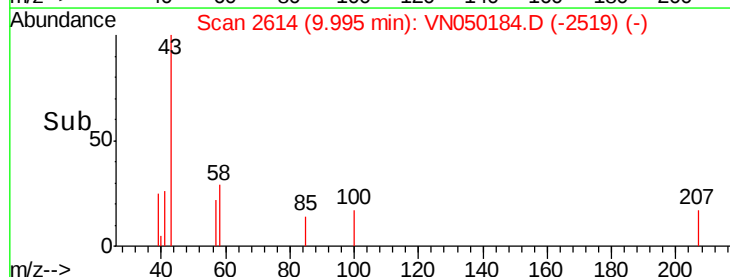
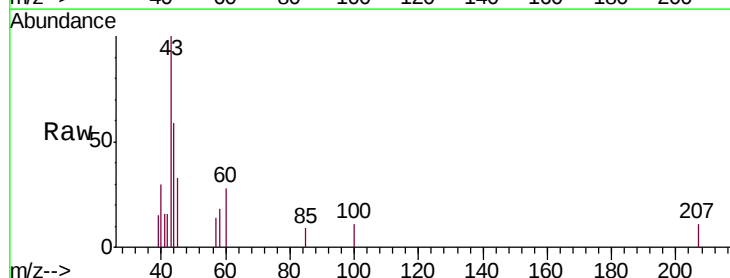
Acq: 30 Jul 2018 13:54

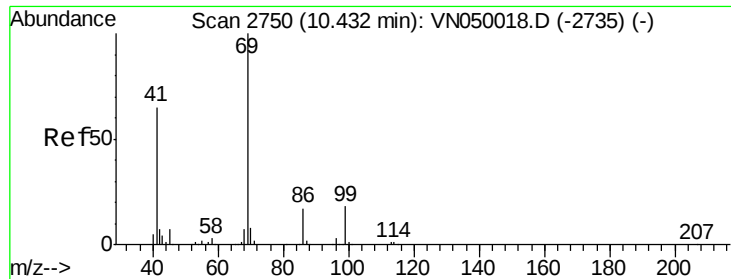
Tgt Ion: 43 Resp: 2517

Ion Ratio Lower Upper

43 100

58 27.9 31.9 47.9#





#56

Ethyl methacrylate

Concen: 2.06 ug/l

RT: 10.27 min Scan# 2699

Delta R.T. -0.16 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#04

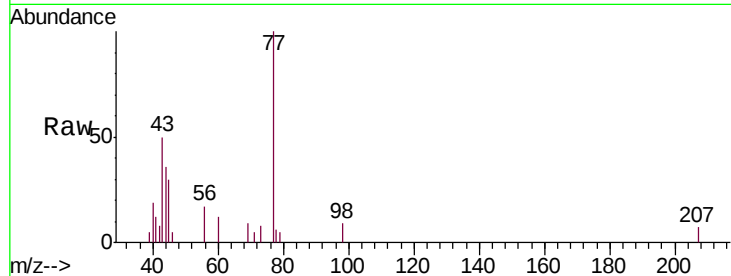
Tot Ion: 69 Resp: 331

Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

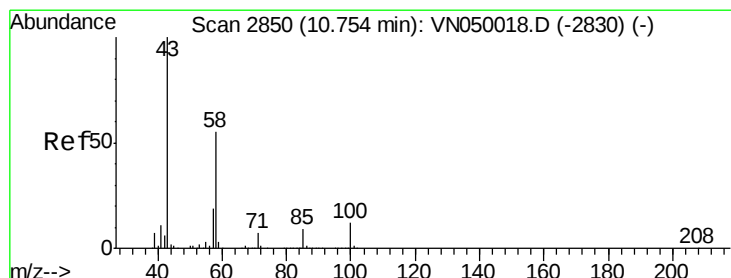
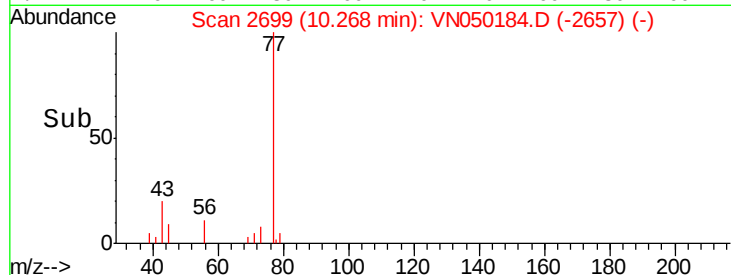
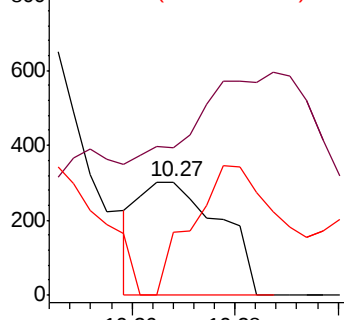
39 122.1 26.6 40.0#



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: 8.35 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050184.D

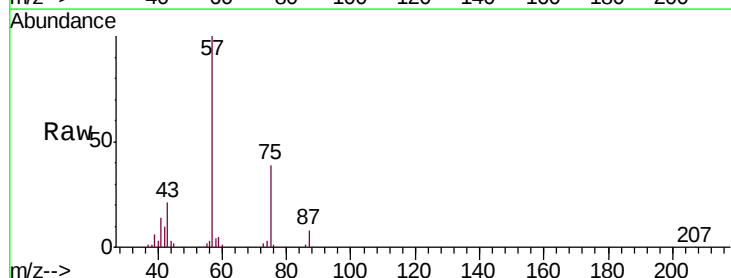
Acq: 30 Jul 2018 13:54

Tgt Ion: 43 Resp: 20388

Ion Ratio Lower Upper

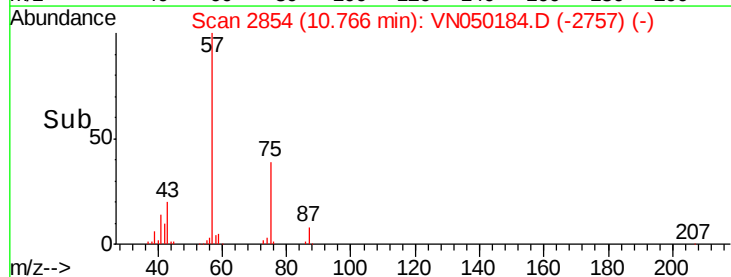
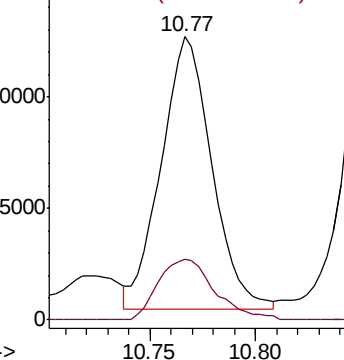
43 100

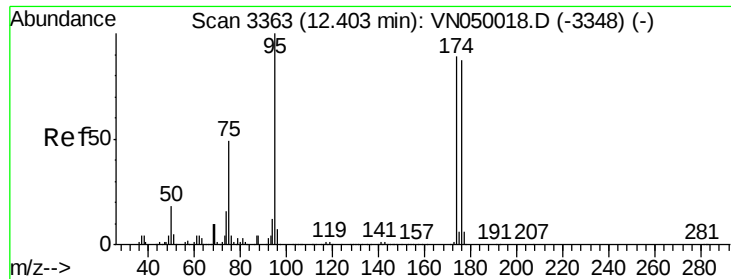
58 24.8 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

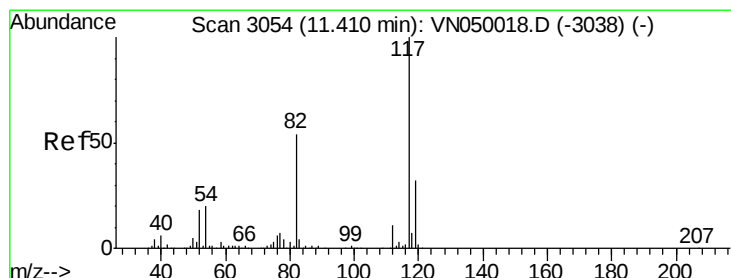
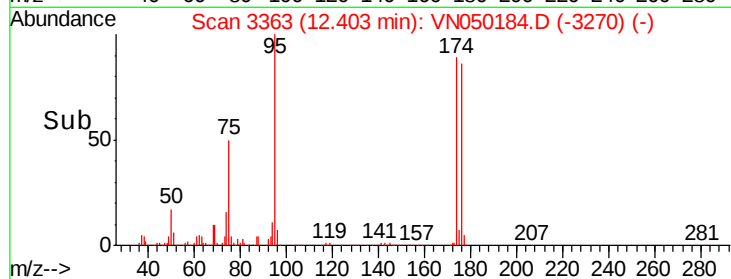
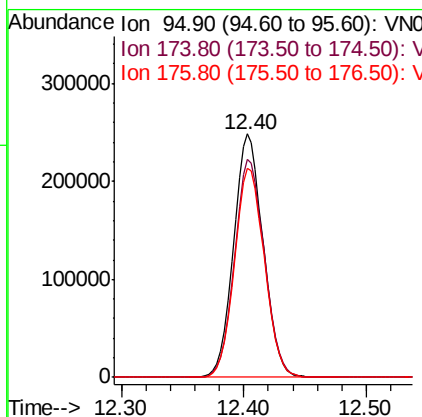
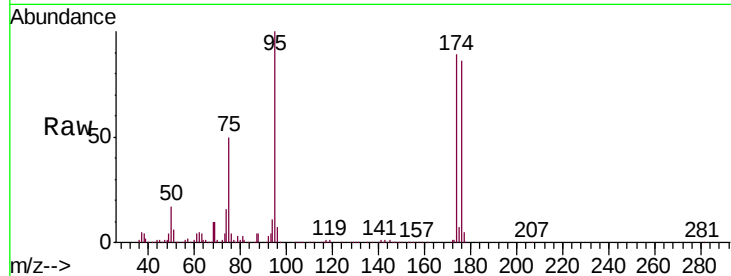




#62
4-Bromofluorobenzene
Concen: 37.97 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050184.D
Acq: 30 Jul 2018 13:54

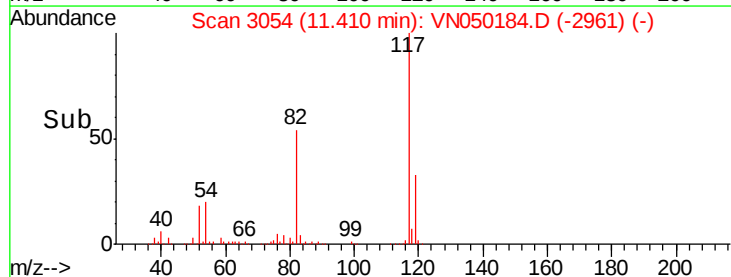
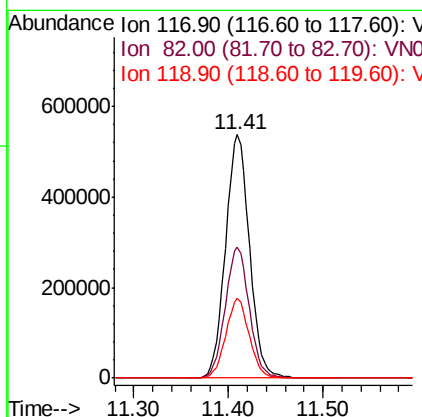
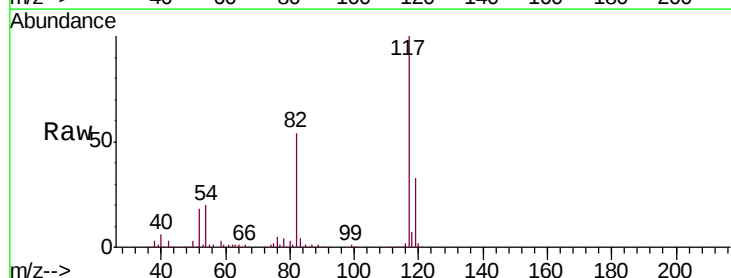
Instrument :
MSVOA_N
ClientSampleId :
PB111570ZHE#04

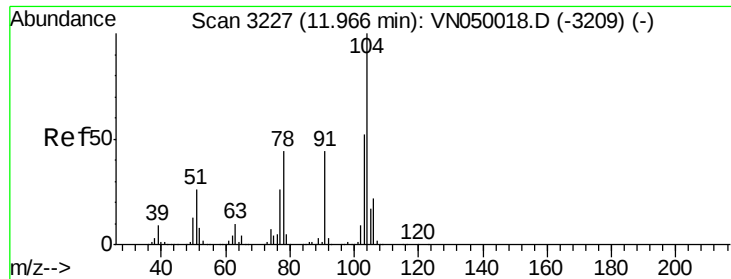
Tot Ion: 95 Resp: 415985
Ion Ratio Lower Upper
95 100
174 90.6 0.0 178.2
176 87.1 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050184.D
Acq: 30 Jul 2018 13:54

Tgt Ion: 117 Resp: 947599
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.5 26.1 39.1





#70

Stvrene

Concen: 0.94 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#04

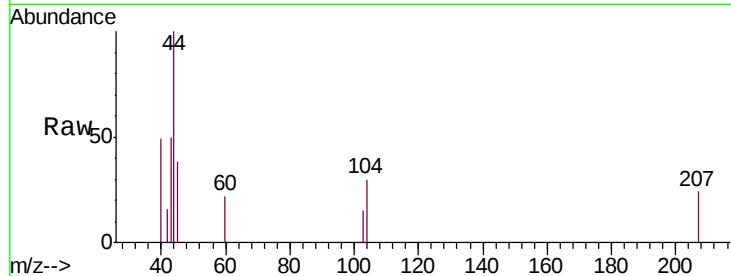
Tot Ion:104 Resp: 456

Ion Ratio Lower Upper

104 100

78 15.4 39.3 58.9#

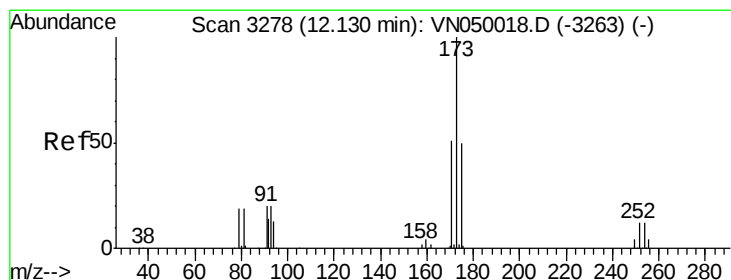
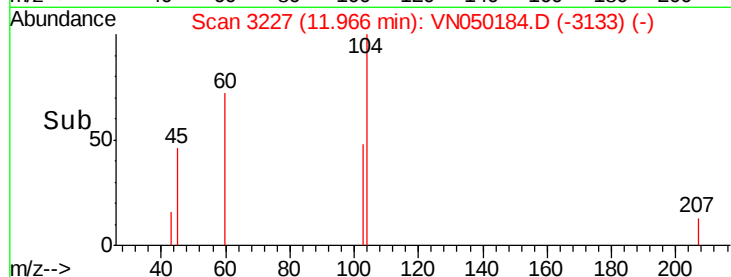
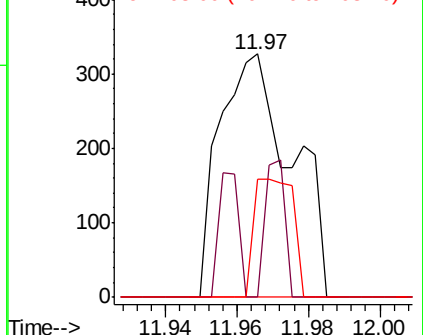
103 26.3 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.58 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

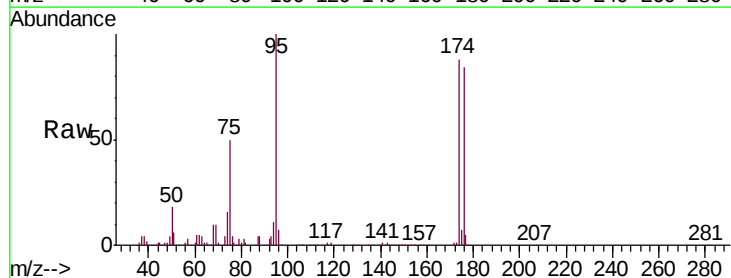
Tgt Ion:173 Resp: 3908

Ion Ratio Lower Upper

173 100

175 632.4 24.1 72.2#

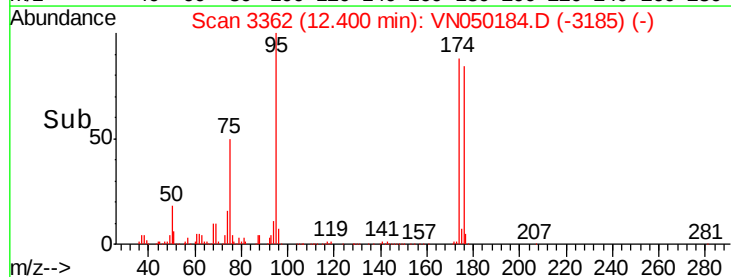
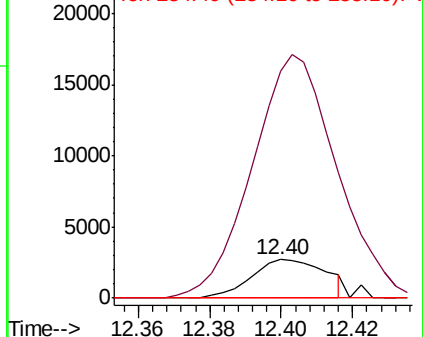
254 0.0 0.2 0.2#

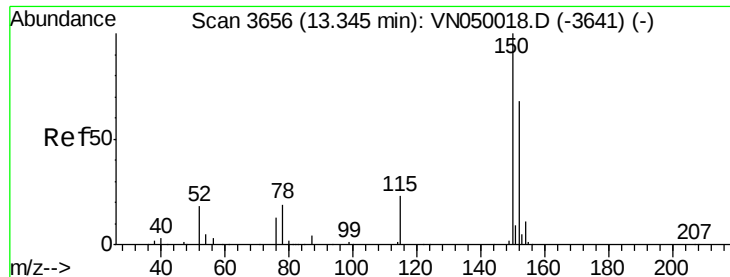


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#04

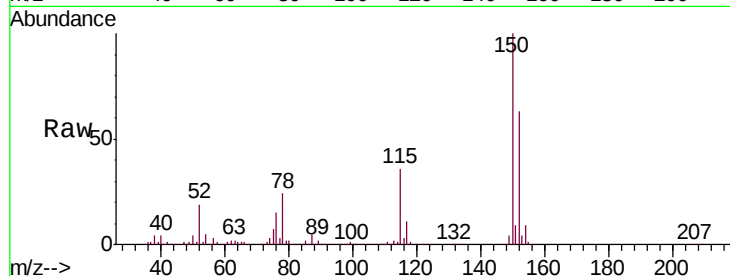
Tot Ion:152 Resp: 325256

Ion Ratio Lower Upper

152 100

115 57.4 27.8 83.3

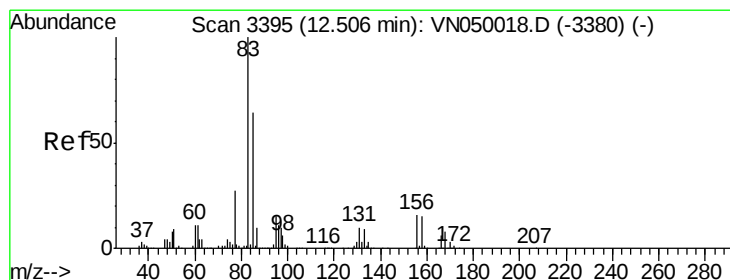
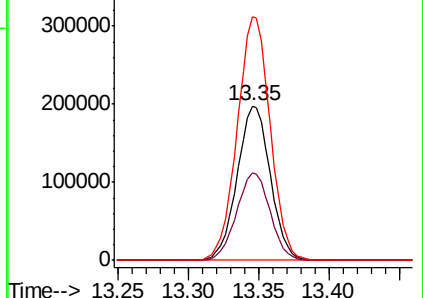
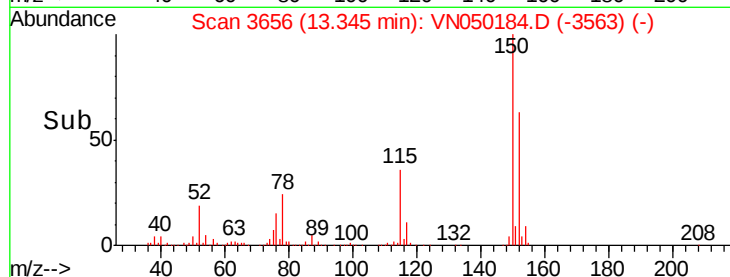
150 157.1 0.0 348.6



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: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

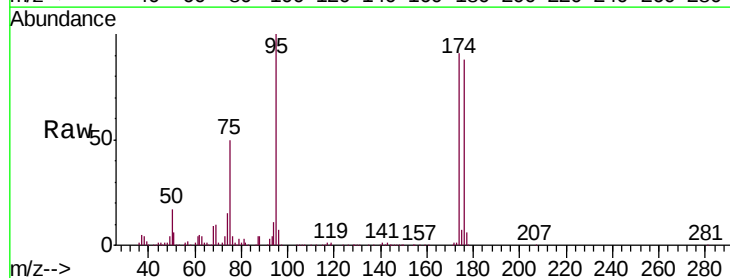
Tgt Ion: 83 Resp: 133

Ion Ratio Lower Upper

83 100

131 164.7 5.1 15.3#

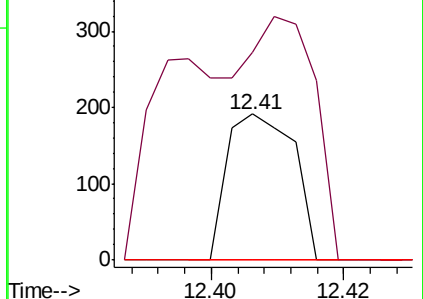
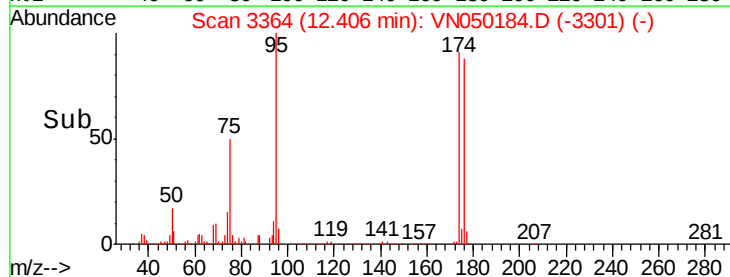
85 0.0 32.3 96.8#

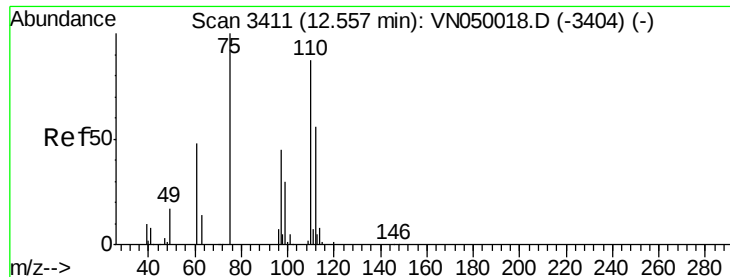


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 33.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

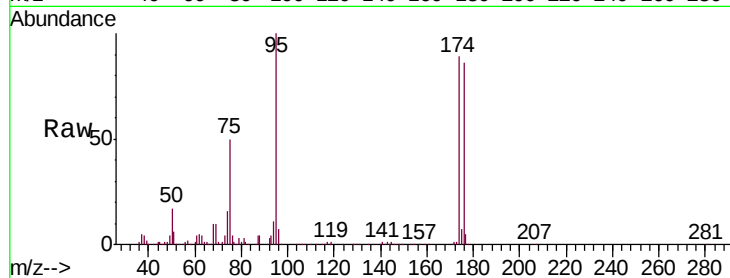
PB111570ZHE#04

Tot Ion: 75 Resp: 203811

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)

12.40

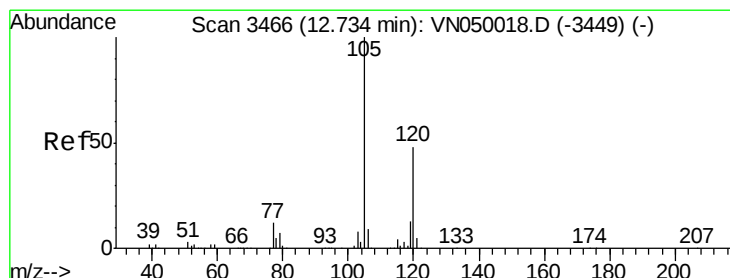
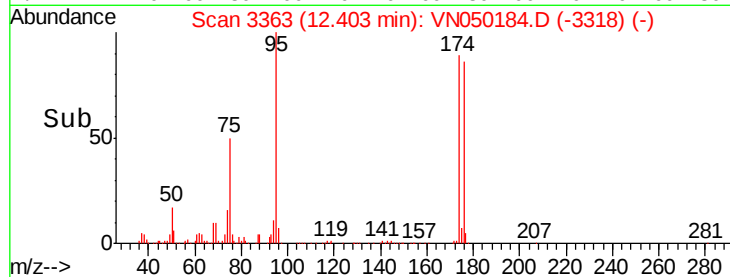
100000

50000

0

12.35 12.40 12.45 12.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.25 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050184.D

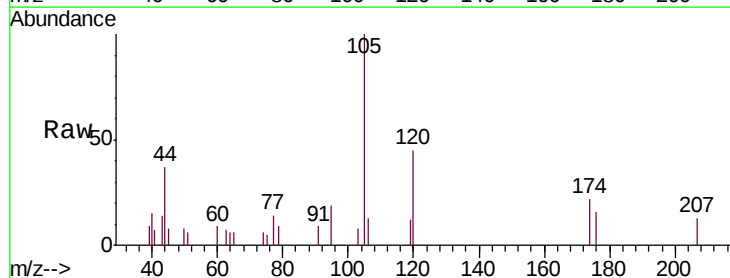
Acq: 30 Jul 2018 13:54

Tgt Ion: 105 Resp: 4994

Ion Ratio Lower Upper

105 100

120 46.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)

12.73

3000

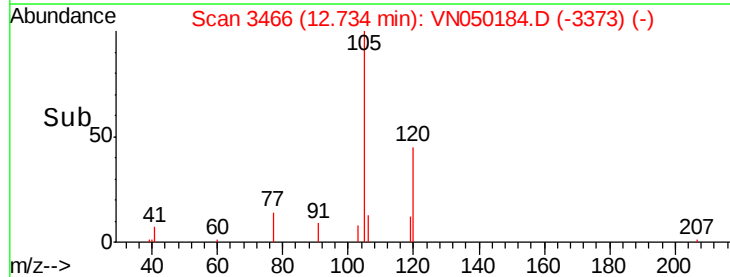
2000

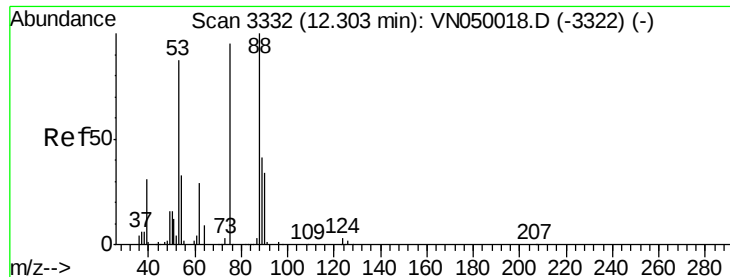
1000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 106.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#04

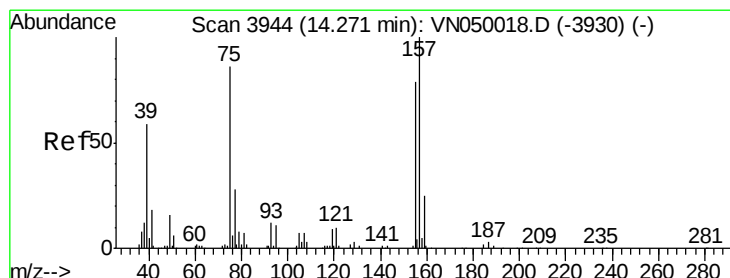
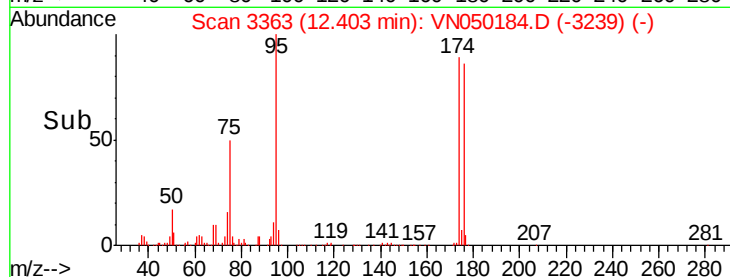
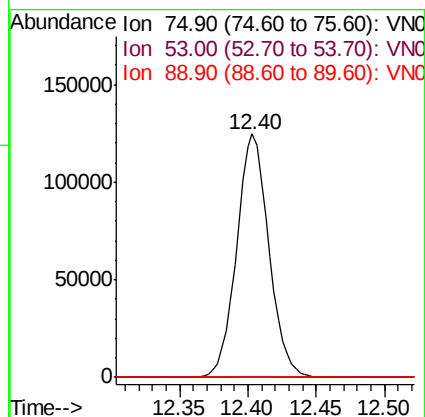
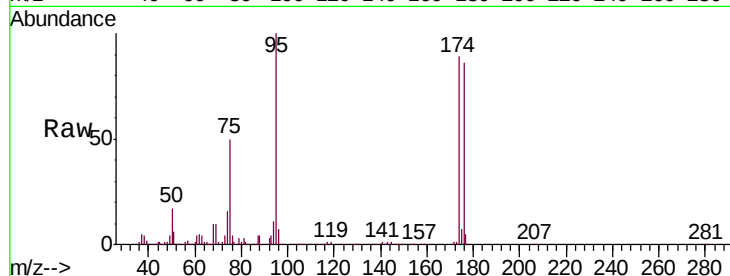
Tot Ion: 75 Resp: 203811

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

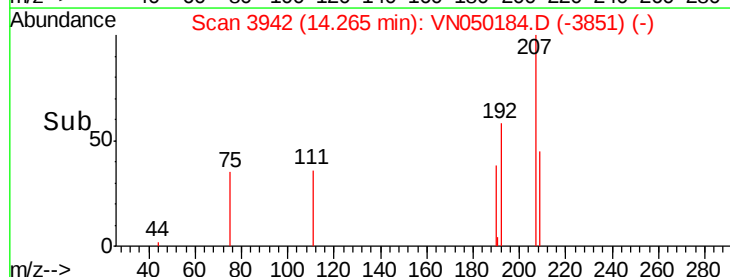
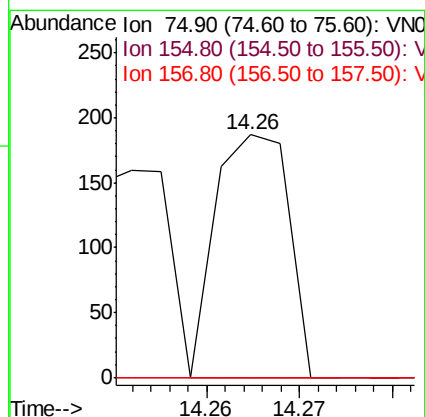
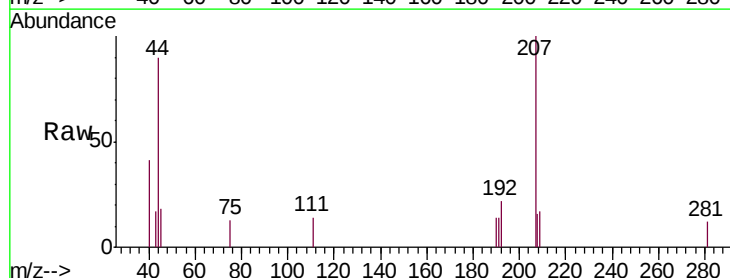
Tgt Ion: 75 Resp: 102

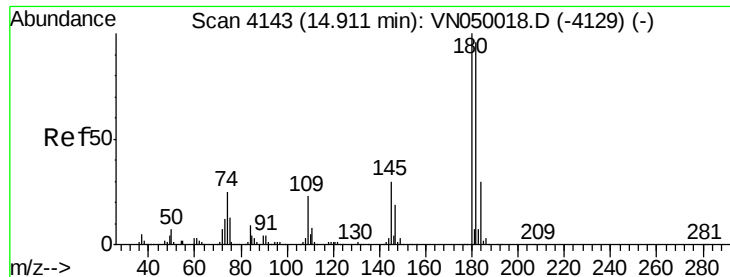
Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 0.0 57.2 171.6#

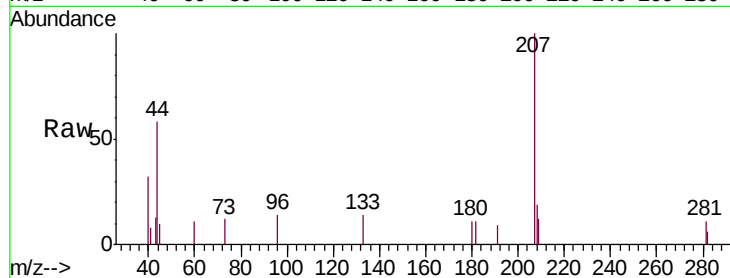




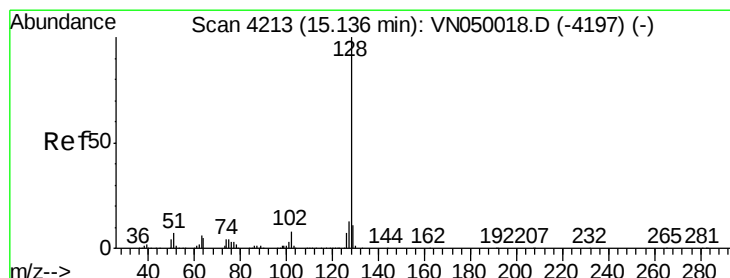
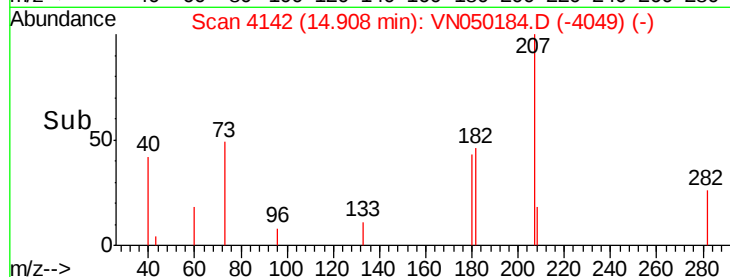
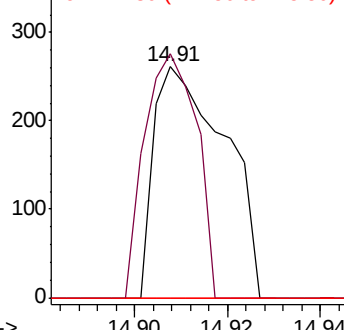
#93
 1,2,4-Trichlorobenzene
 Concen: 3.13 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050184.D
 Acq: 30 Jul 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111570ZHE#04

Tot Ion:180 Resp: 279
 Ion Ratio Lower Upper
 180 100
 182 76.7 46.7 140.1
 145 0.0 13.8 41.4#

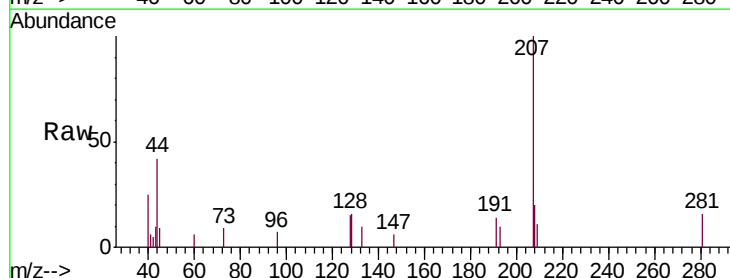


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

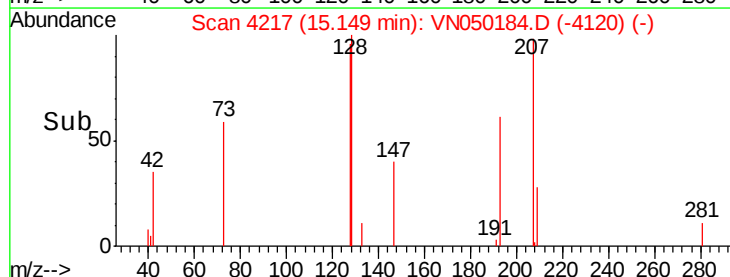
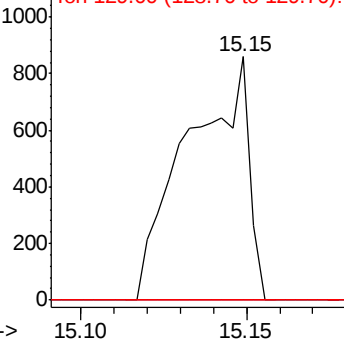


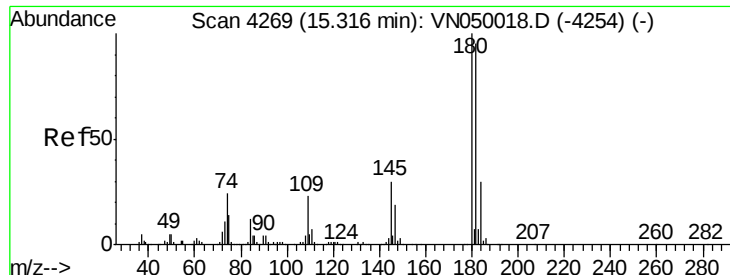
#95
 Naphthalene
 Concen: 4.48 ug/l
 RT: 15.15 min Scan# 4217
 Delta R.T. 0.01 min
 Lab File: VN050184.D
 Acq: 30 Jul 2018 13:54

Tgt Ion:128 Resp: 1103
 Ion Ratio Lower Upper
 128 100
 127 0.0 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: 2.23 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#04

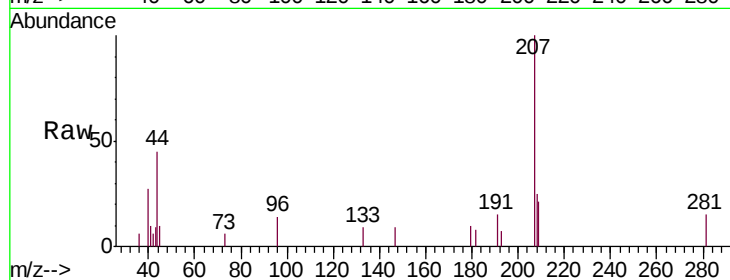
Tot Ion:180 Resp: 172

Ion Ratio Lower Upper

180 100

182 155.2 48.1 144.4#

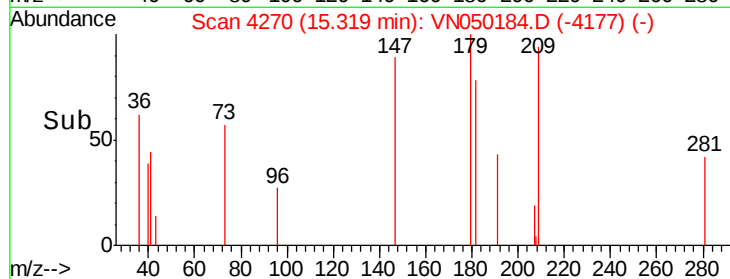
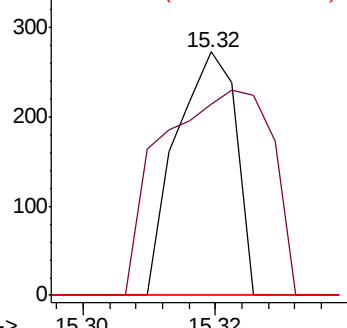
145 0.0 15.3 45.9#



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



Time-->