

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050158.D
 Acq On : 28 Jul 2018 3:50
 Operator : MD\SY
 Sample : VN0727WBL03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBL03

Quant Time: Jul 30 01:52:08 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	662381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1091021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	879356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301393	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	465459	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	419753	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	10.09	98	1463778	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	
62) 4-Bromofluorobenzene	12.40	95	384169	35.63	ug/l	0.00
Spiked Amount			Recovery	=	71.26%	

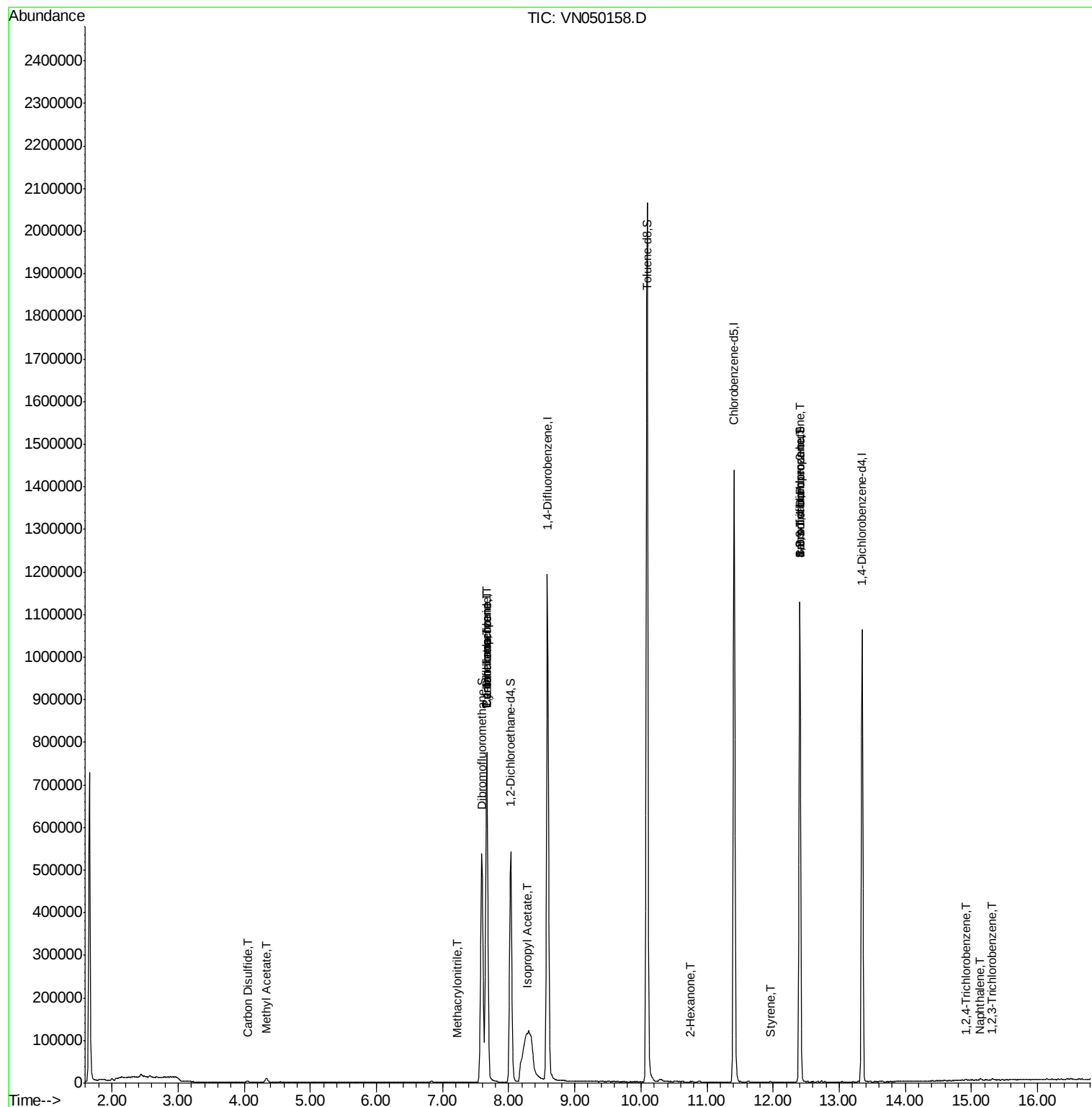
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	1310	Below Cal		93
16) Acetone	3.83	43	641	Below Cal	#	42
17) Carbon Disulfide	4.05	76	4757	0.20	ug/l	98
18) Methyl Acetate	4.34	43	19292	0.67	ug/l	98
20) Methylene Chloride	4.55	84	272	Below Cal	#	44
31) Cyclohexane	7.66	56	12151	0.89	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	45503	3.70	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	61707	4.73	ug/l	# 16
41) Methacrylonitrile	7.21	41	30	2.75	ug/l	# 10
43) Isopropyl Acetate	8.27	43	166196	9.36	ug/l	# 61
59) 2-Hexanone	10.76	43	518	5.26	ug/l	96
70) Styrene	11.96	104	145	0.93	ug/l	# 40
71) Bromoform	12.40	173	3802	0.61	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	102	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	185417	33.10	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	185417	105.00	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	660	3.19	ug/l	# 84
95) Naphthalene	15.14	128	4250	4.70	ug/l	# 90
96) 1,2,3-Trichlorobenzene	15.32	180	1121	2.39	ug/l	88

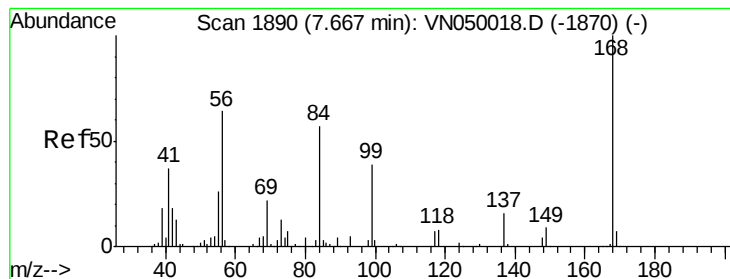
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

Instrument :

MSVOA_N

ClientSampleId :

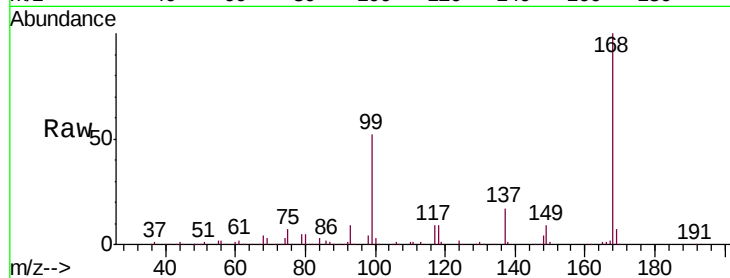
VN0727WBL03

Tot Ion:168 Resp: 662381

Ion Ratio Lower Upper

168 100

99 52.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050158.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050158.D (-1870) (-)

7.67

250000

200000

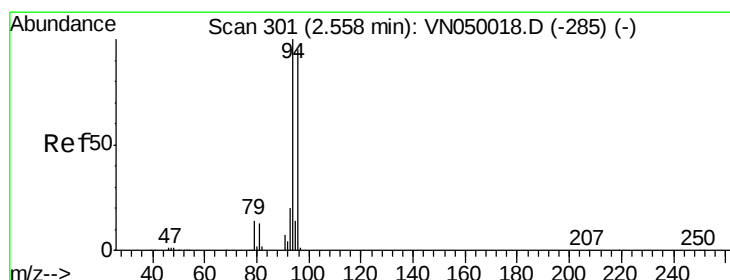
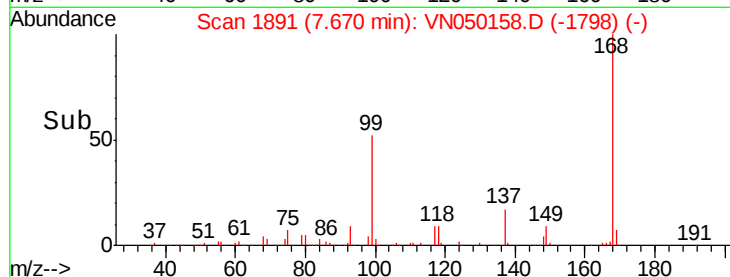
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050158.D

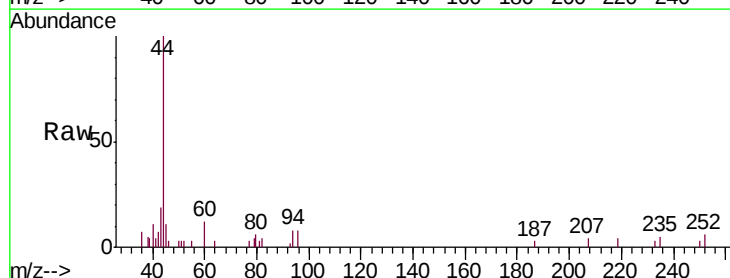
Acq: 28 Jul 2018 3:50

Tgt Ion: 94 Resp: 1310

Ion Ratio Lower Upper

94 100

96 100.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050158.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN050158.D (-285) (-)

2.56

600

500

400

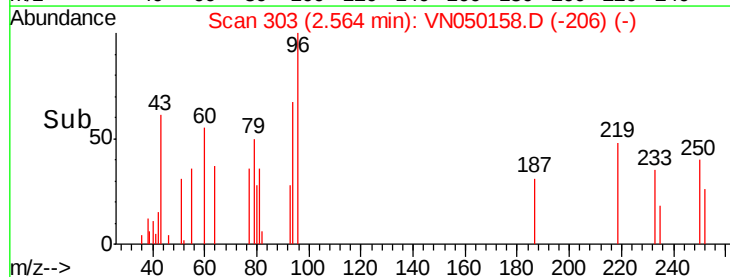
300

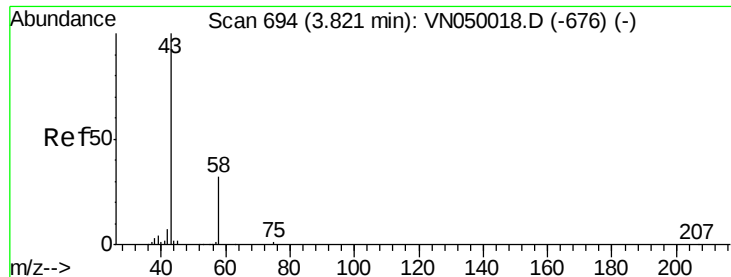
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

Instrument :

MSVOA_N

ClientSampleId :

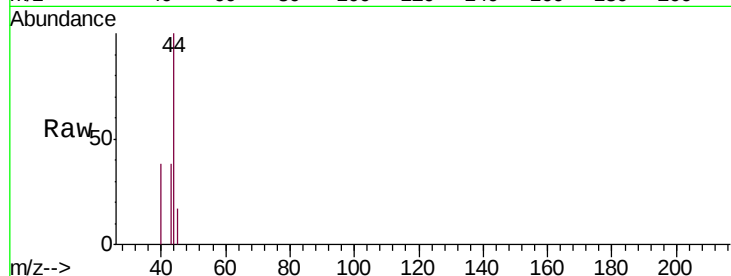
VN0727WBL03

Tot Ion: 43 Resp: 641

Ion Ratio Lower Upper

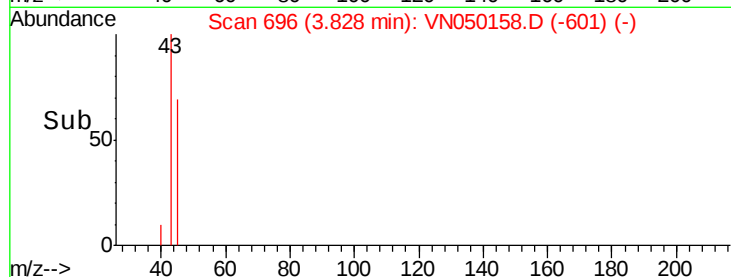
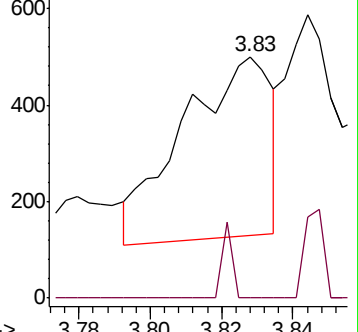
43 100

58 0.0 25.8 38.8#

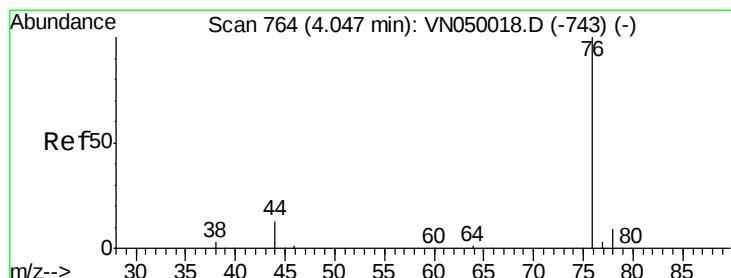


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: 0.20 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050158.D

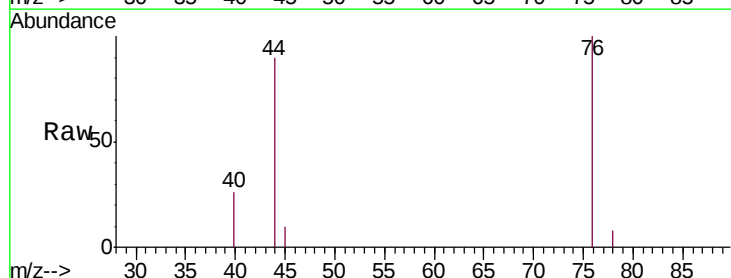
Acq: 28 Jul 2018 3:50

Tgt Ion: 76 Resp: 4757

Ion Ratio Lower Upper

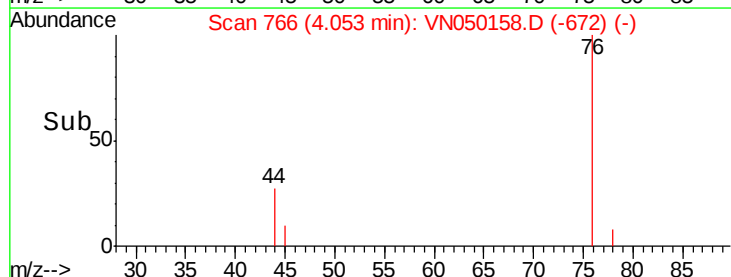
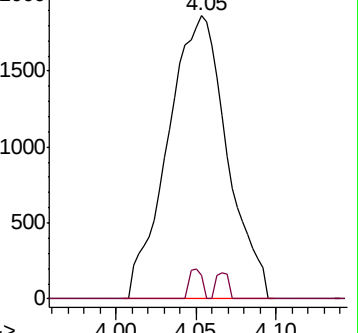
76 100

78 8.3 7.3 10.9

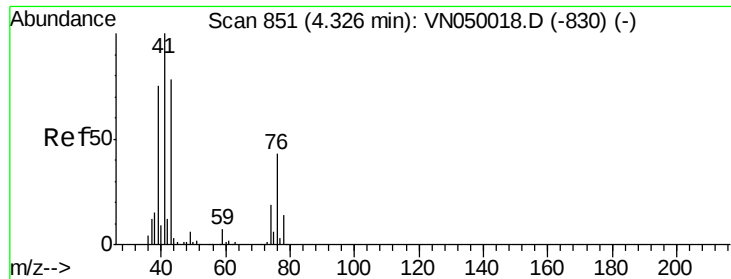


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



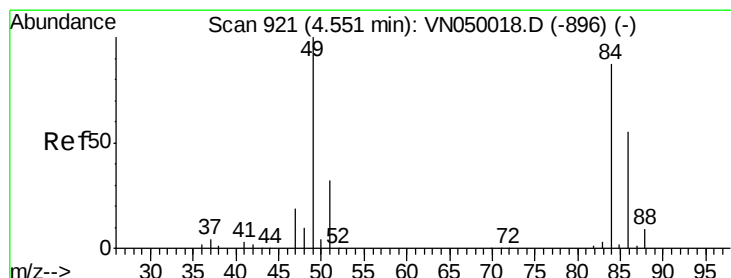
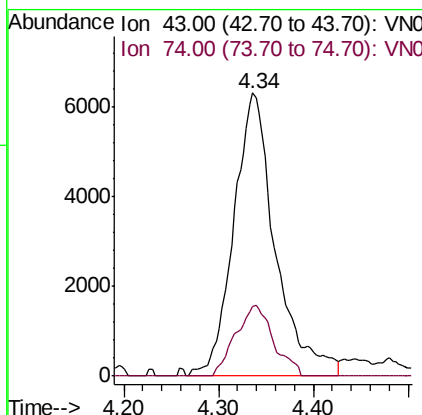
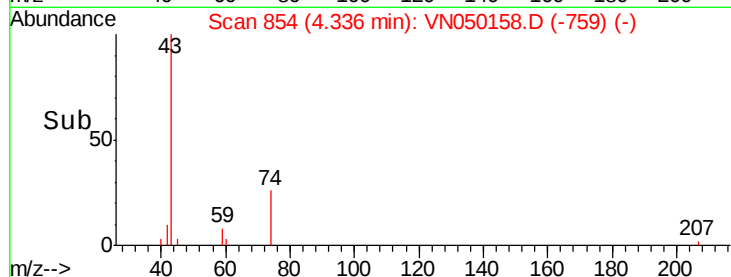
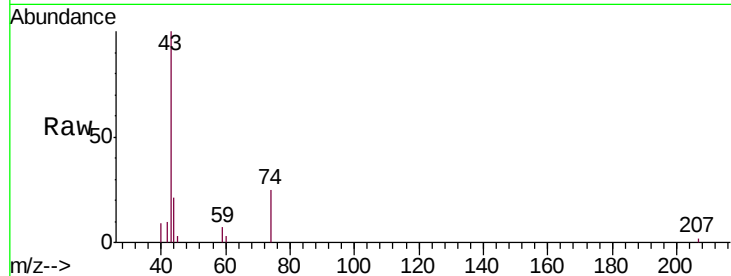
Time-->



#18
Methyl Acetate
Concen: 0.67 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050158.D
Acq: 28 Jul 2018 3:50

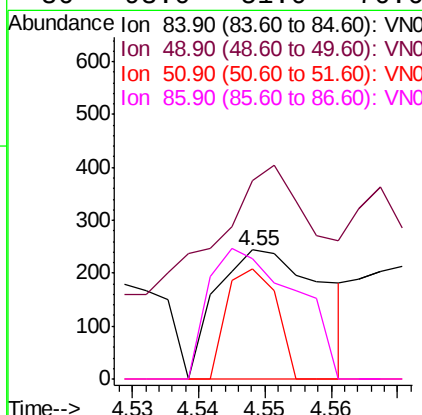
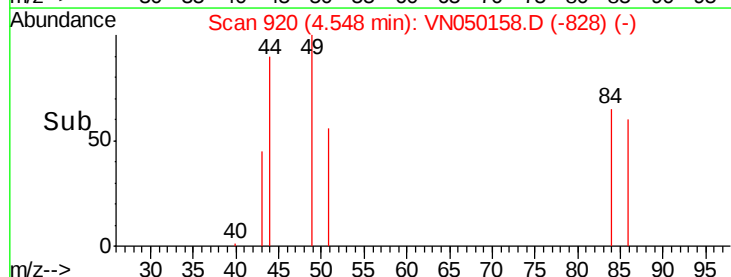
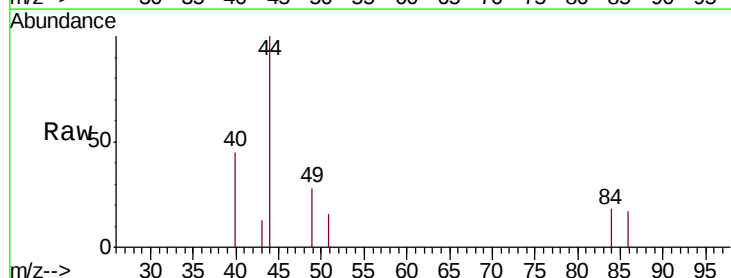
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL03

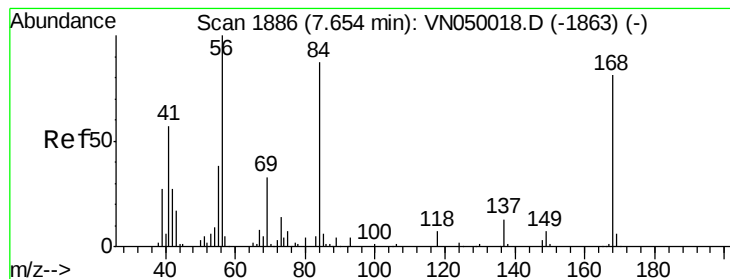
Tot Ion: 43 Resp: 19292
Ion Ratio Lower Upper
43 100
74 22.8 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050158.D
Acq: 28 Jul 2018 3:50

Tgt Ion: 84 Resp: 272
Ion Ratio Lower Upper
84 100
49 56.6 94.8 142.2#
51 85.7 28.3 42.5#
86 93.0 51.0 76.6#





#31

Cyclohexane

Concen: 0.89 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBL03

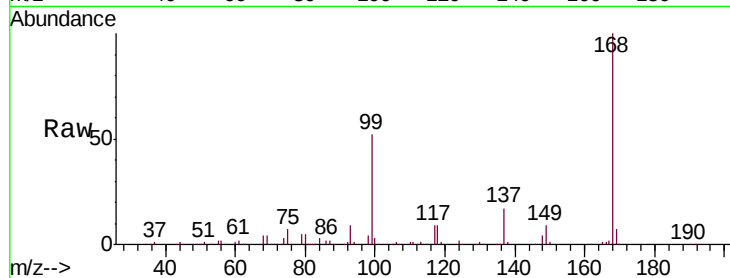
Tot Ion: 56 Resp: 12151

Ion Ratio Lower Upper

56 100

69 174.5 26.2 39.4#

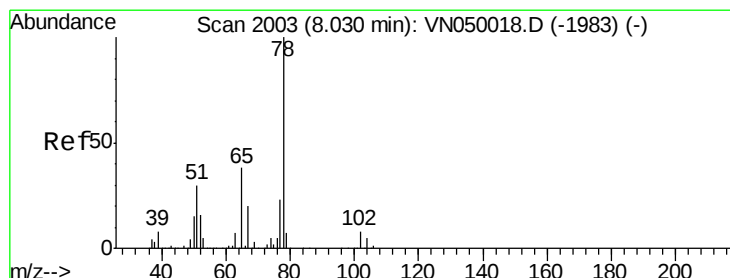
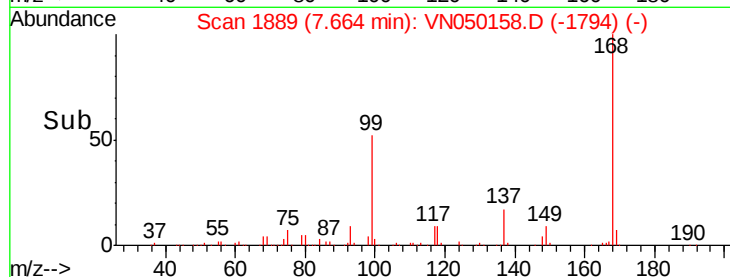
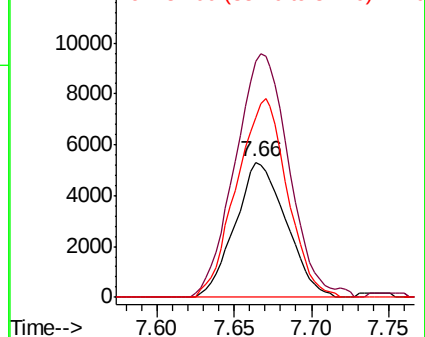
84 133.1 67.4 101.0#



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: 50.36 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050158.D

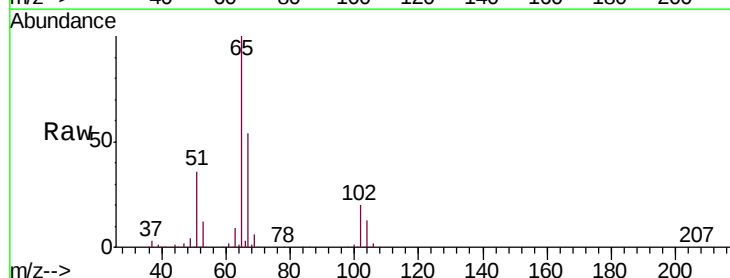
Acq: 28 Jul 2018 3:50

Tgt Ion: 65 Resp: 465459

Ion Ratio Lower Upper

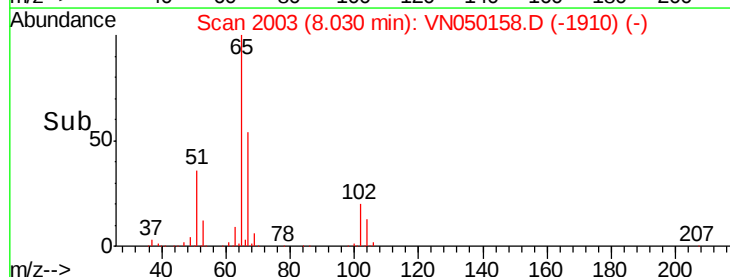
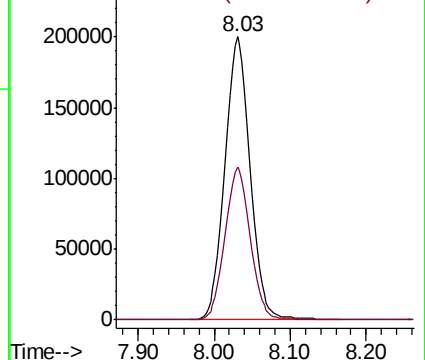
65 100

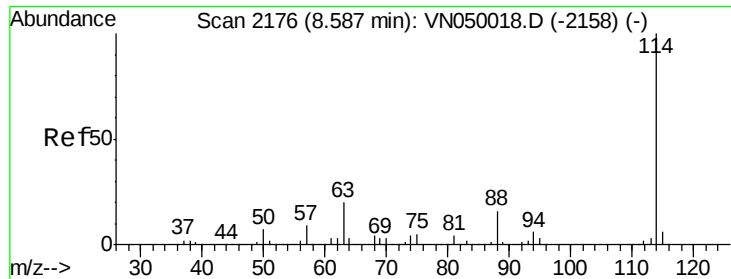
67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

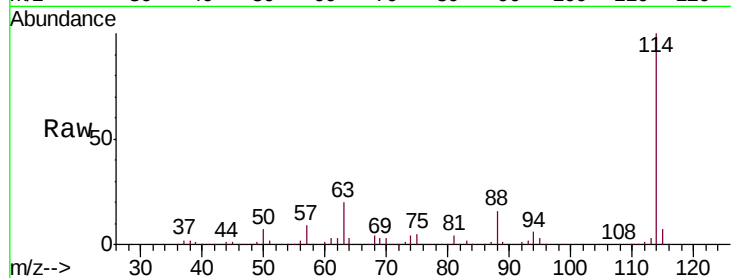




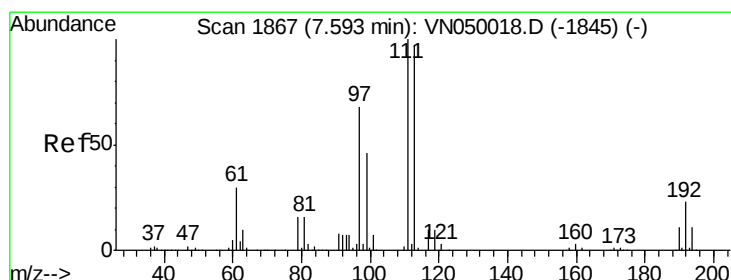
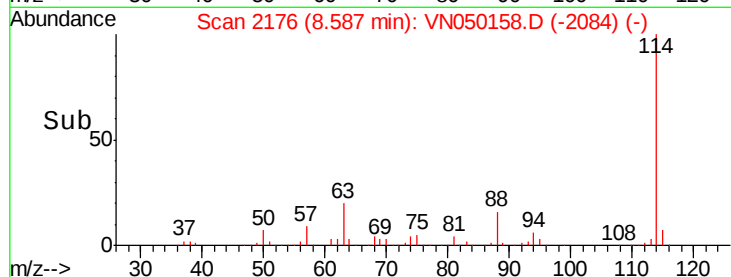
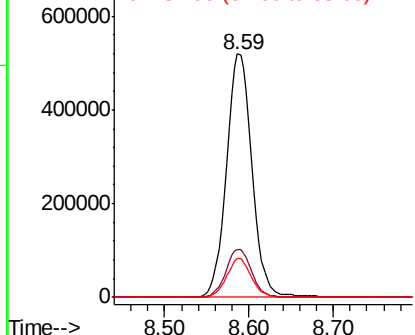
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VN050158.D
Acq: 28 Jul 2018 3:50

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL03

Tot Ion:114 Resp: 1091021
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.8 0.0 31.2

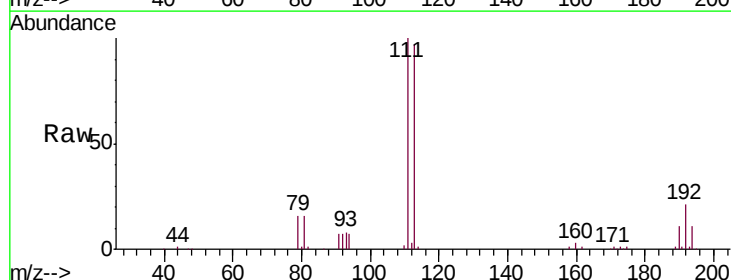


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

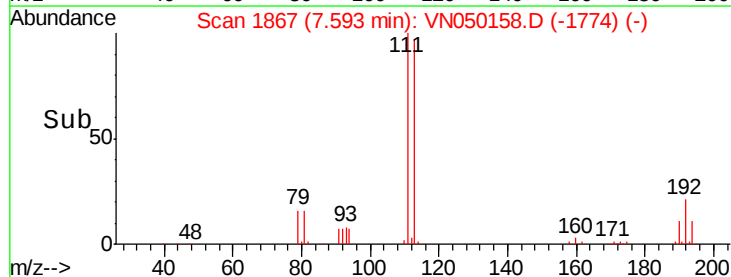
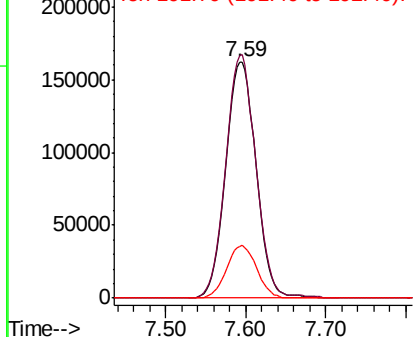


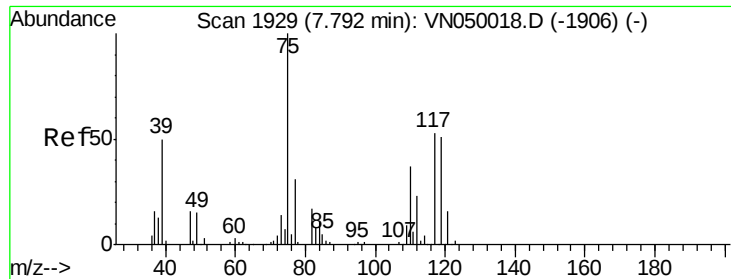
#35
Dibromofluoromethane
Concen: 47.12 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050158.D
Acq: 28 Jul 2018 3:50

Tgt Ion:113 Resp: 419753
Ion Ratio Lower Upper
113 100
111 102.0 80.7 121.1
192 22.0 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

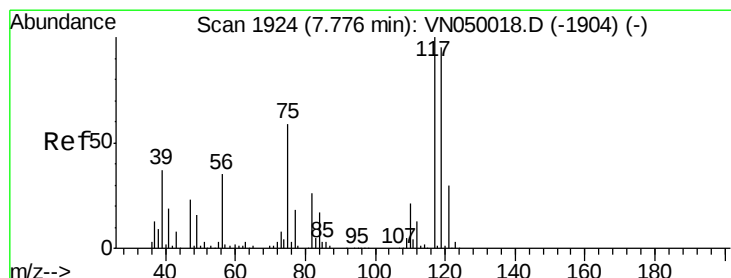
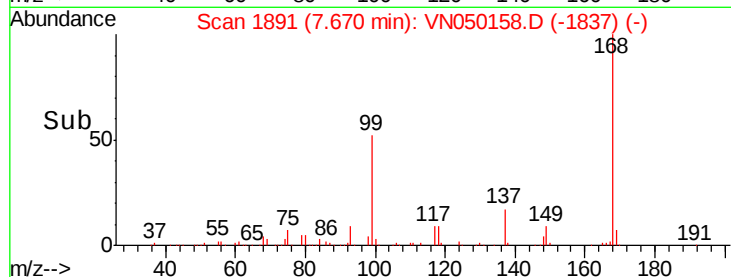
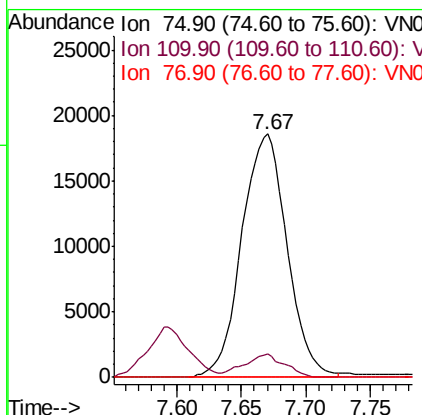
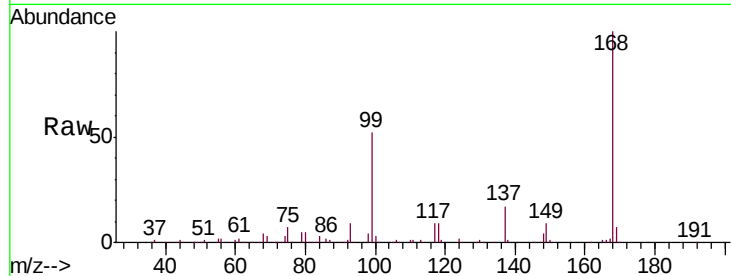




#36
 1,1-Dichloropropene
 Concen: 3.70 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050158.D
 Acq: 28 Jul 2018 3:50

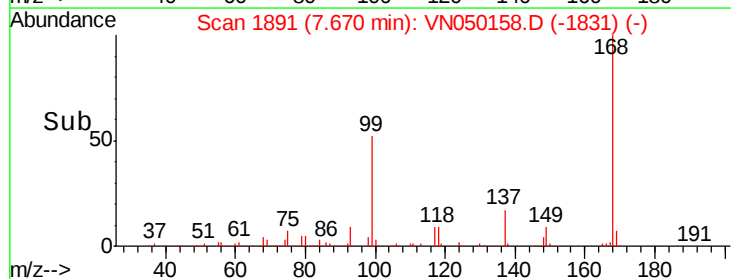
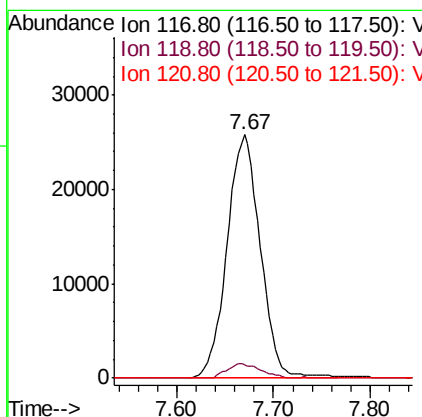
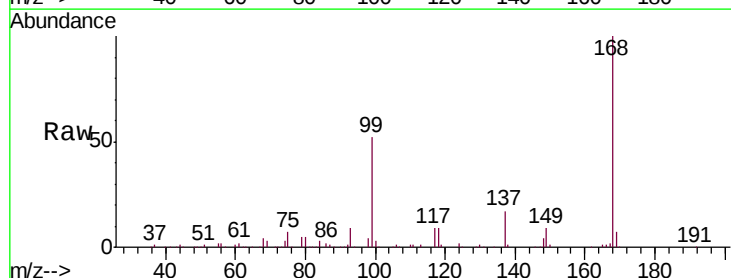
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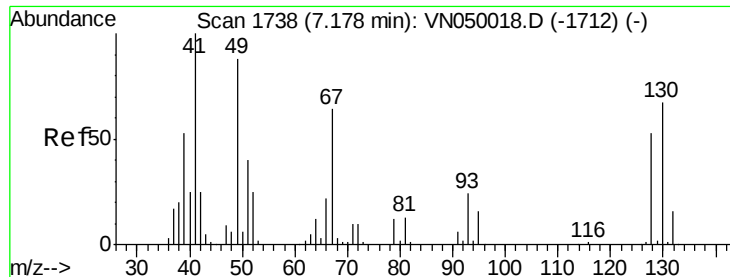
Tot Ion: 75 Resp: 45503
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.73 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050158.D
 Acq: 28 Jul 2018 3:50

Tgt Ion: 117 Resp: 61707
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.4 116.0#
 121 0.0 23.9 35.9#

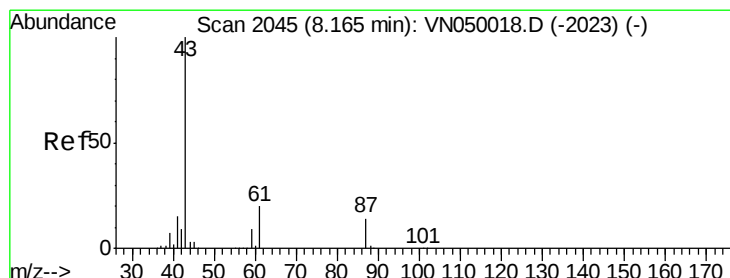
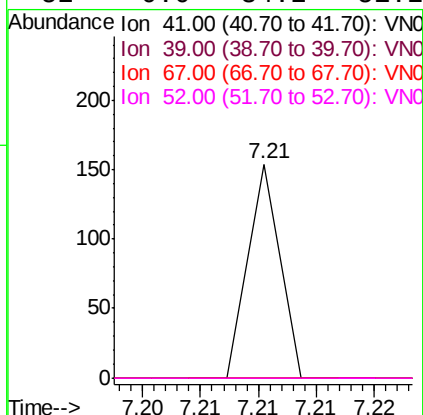
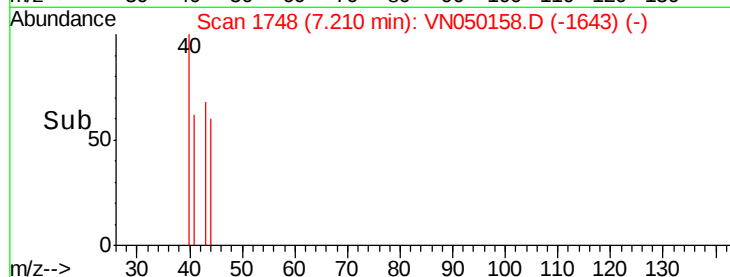
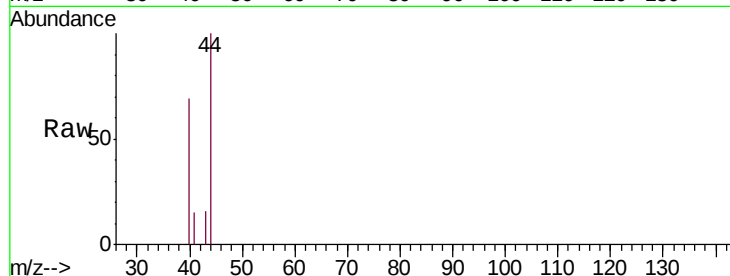




#41
Methacrylonitrile
Concen: 2.75 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VN050158.D
Acq: 28 Jul 2018 3:50

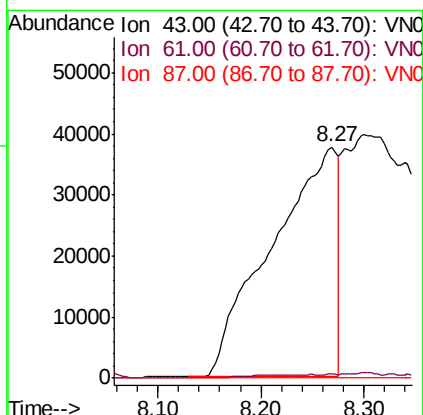
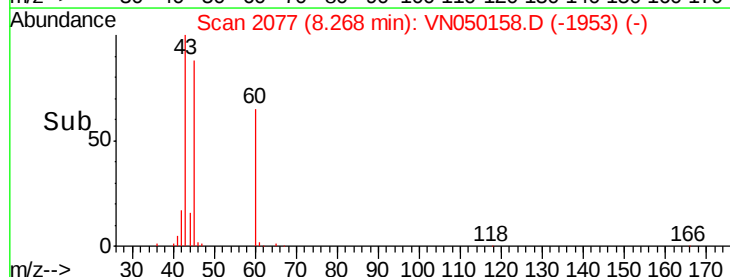
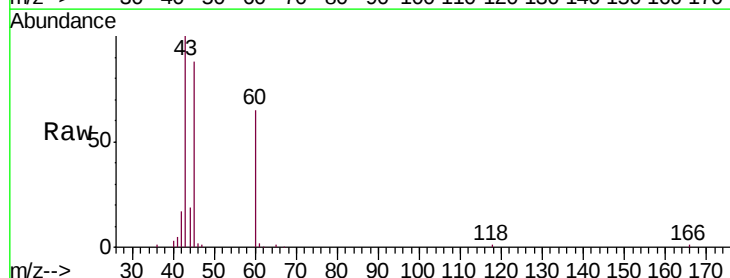
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL03

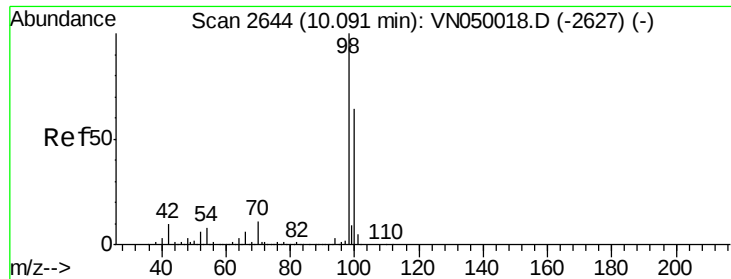
Tot Ion: 41 Resp: 30
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 9.36 ug/l
RT: 8.27 min Scan# 2077
Delta R.T. 0.10 min
Lab File: VN050158.D
Acq: 28 Jul 2018 3:50

Tgt Ion: 43 Resp: 166196
Ion Ratio Lower Upper
43 100
61 0.2 15.8 23.6#
87 0.0 10.3 15.5#





#50

Toluene-d8

Concen: 44.70 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

Instrument :

MSVOA_N

ClientSampleId :

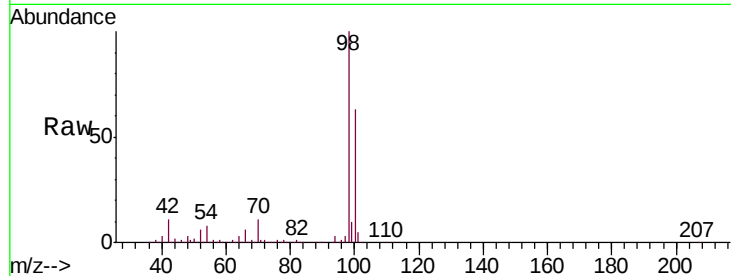
VN0727WBL03

Tot Ion: 98 Resp: 1463778

Ion Ratio Lower Upper

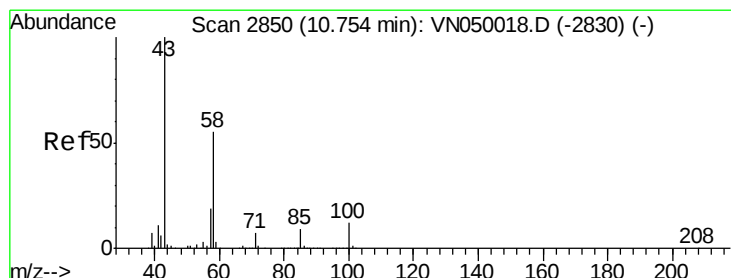
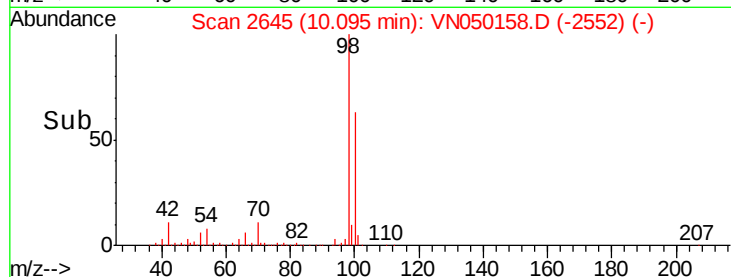
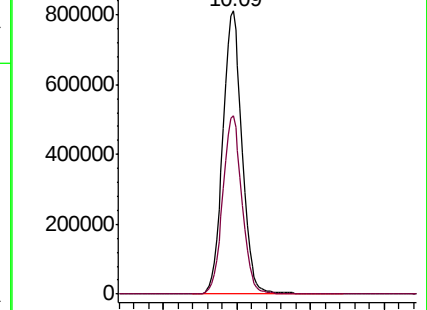
98 100

100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 5.26 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN050158.D

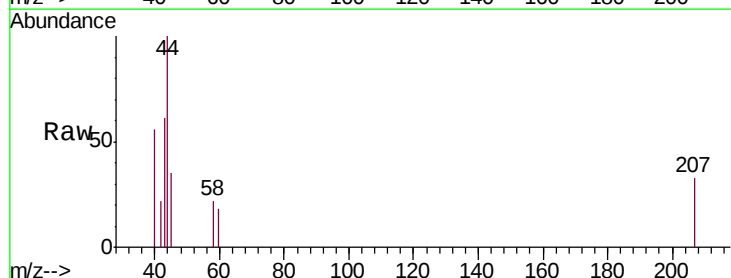
Acq: 28 Jul 2018 3:50

Tgt Ion: 43 Resp: 518

Ion Ratio Lower Upper

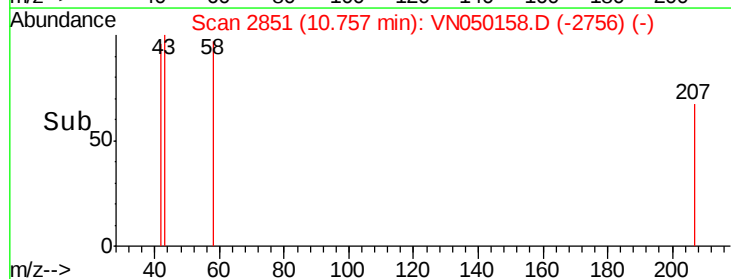
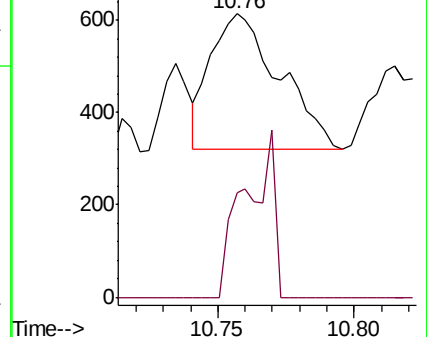
43 100

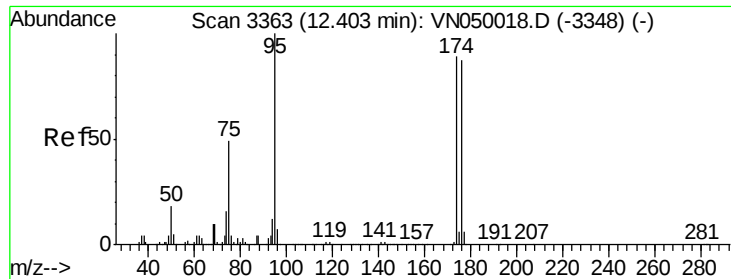
58 52.3 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 35.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBL03

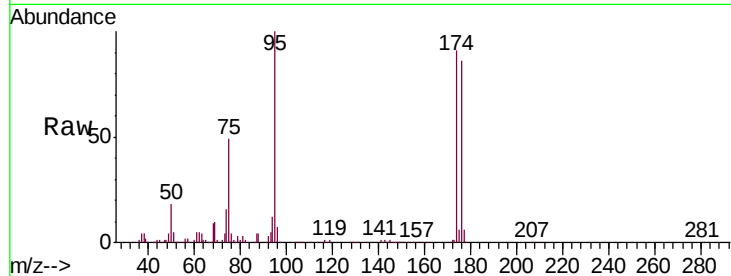
Tot Ion: 95 Resp: 384169

Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.2

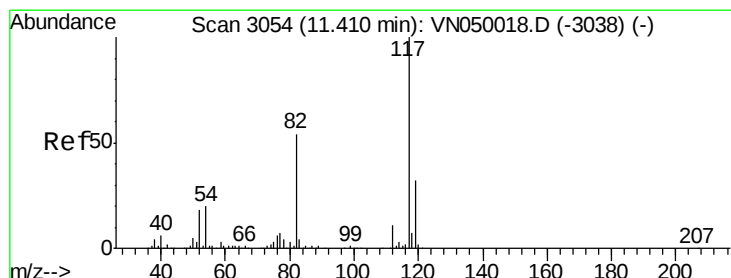
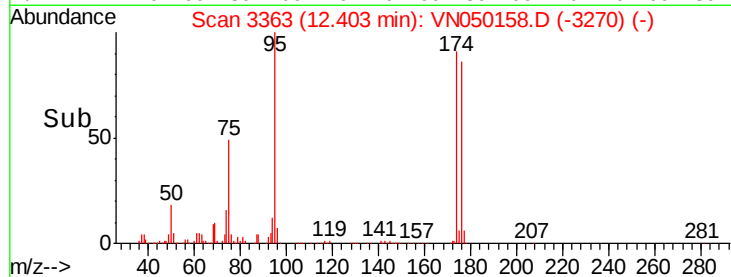
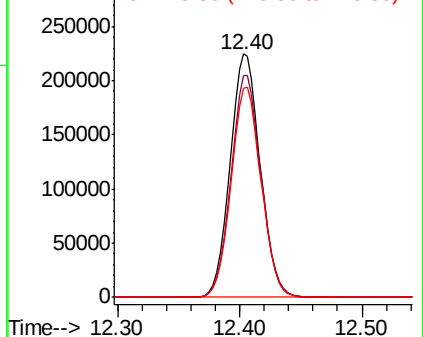
176 86.4 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

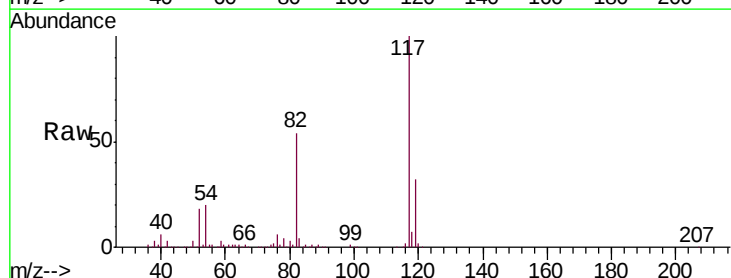
Tgt Ion: 117 Resp: 879356

Ion Ratio Lower Upper

117 100

82 54.5 43.7 65.5

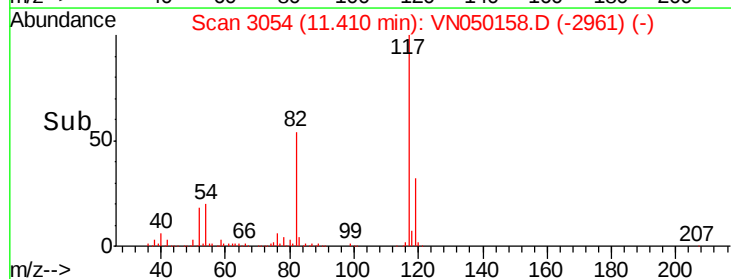
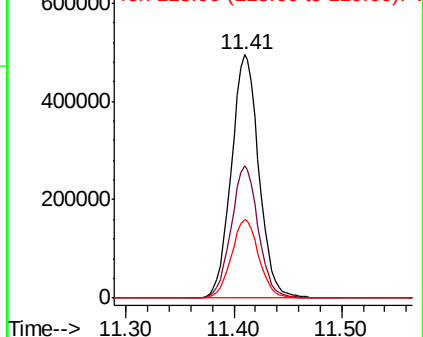
119 32.2 26.1 39.1

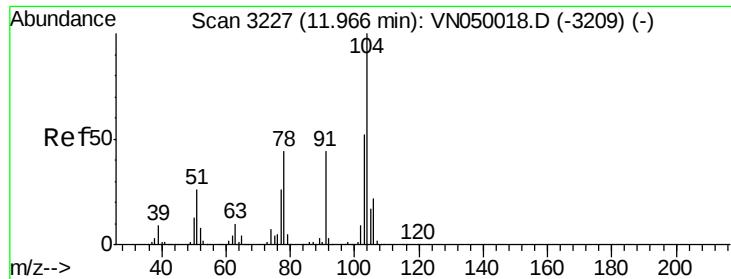


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#70

Stvrene

Concen: 0.93 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBL03

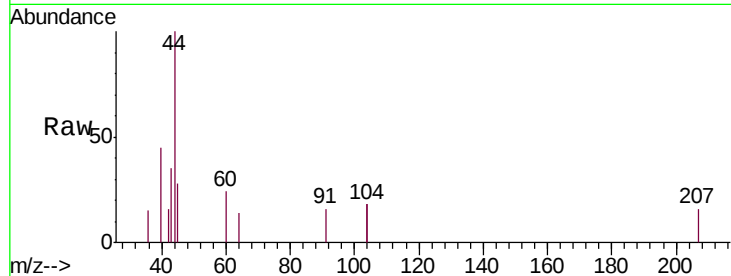
Tot Ion:104 Resp: 145

Ion Ratio Lower Upper

104 100

78 0.0 39.3 58.9#

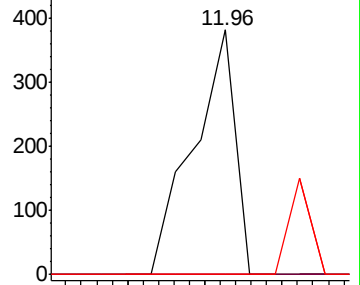
103 20.0 45.0 67.6#



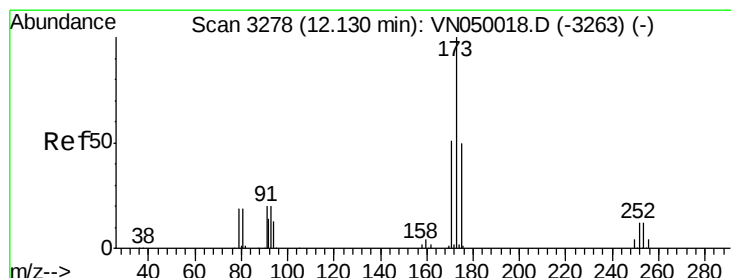
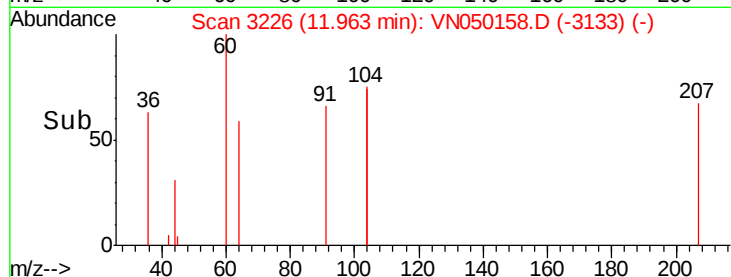
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



Time-->



#71

Bromoform

Concen: 0.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

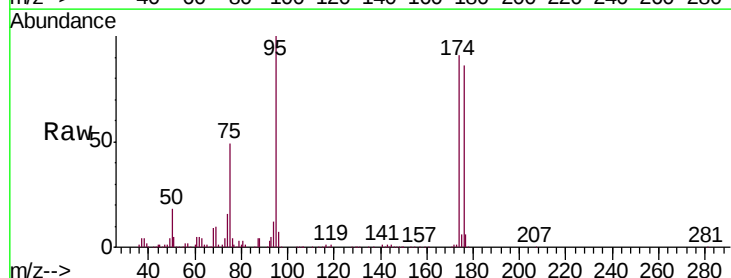
Tgt Ion:173 Resp: 3802

Ion Ratio Lower Upper

173 100

175 585.8 24.1 72.2#

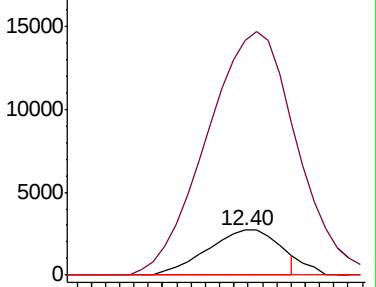
254 0.0 0.2 0.2#



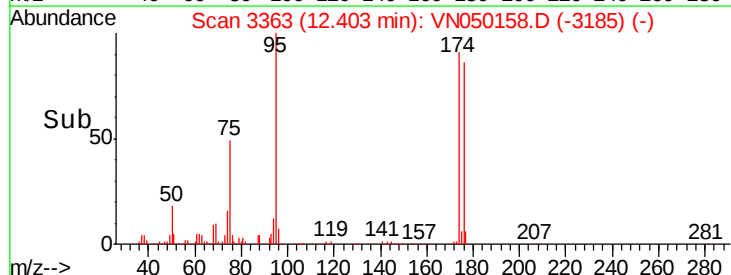
Abundance Ion 172.70 (172.40 to 173.40): V

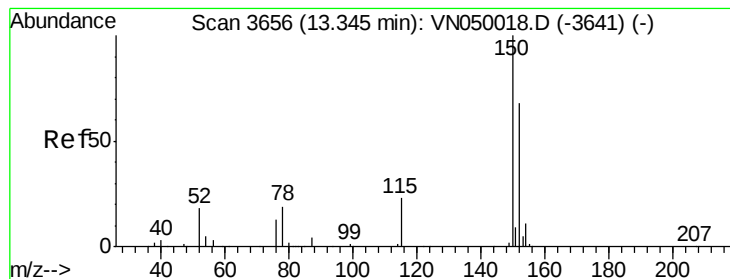
20000 Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBL03

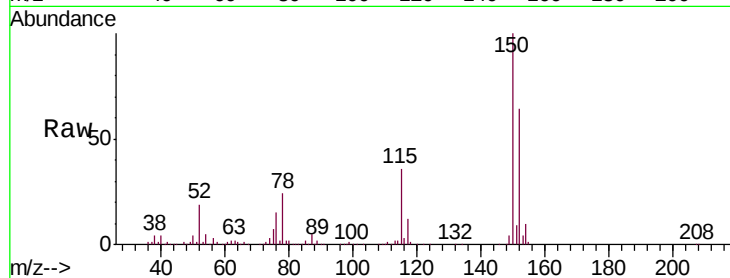
Tot Ion:152 Resp: 301393

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

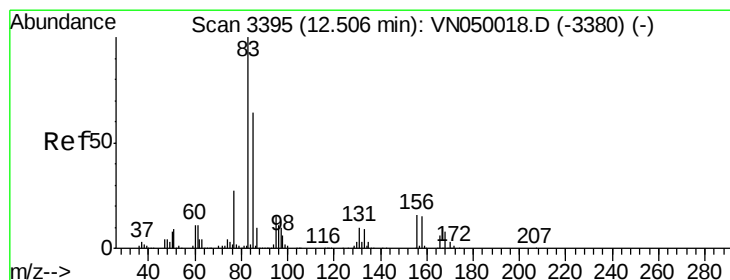
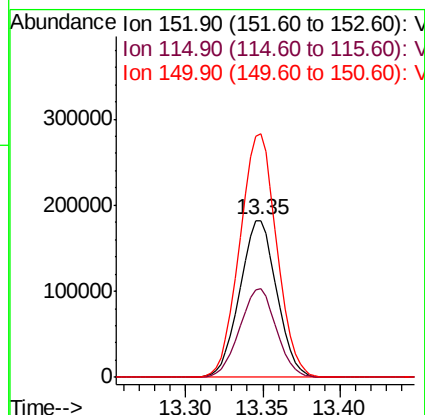
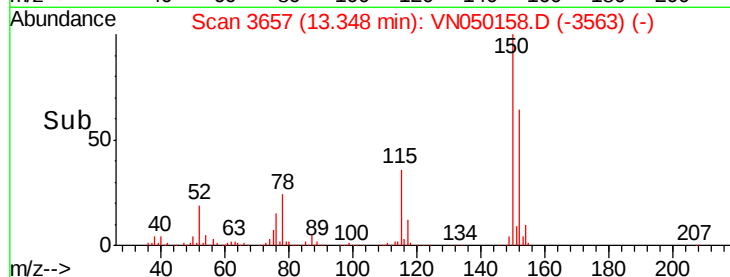
150 155.9 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3361

Delta R.T. -0.11 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

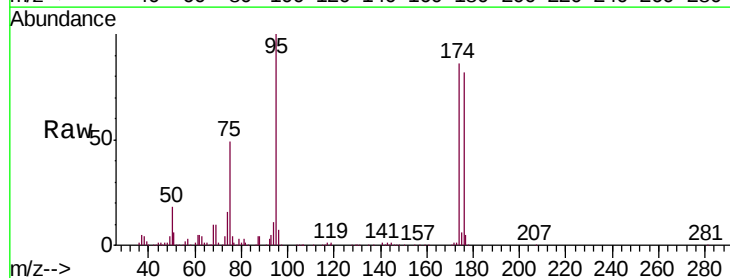
Tgt Ion: 83 Resp: 102

Ion Ratio Lower Upper

83 100

131 381.4 5.1 15.3#

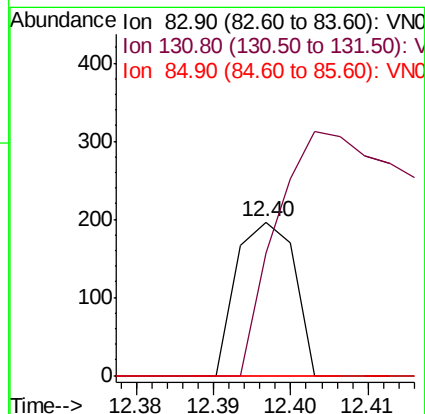
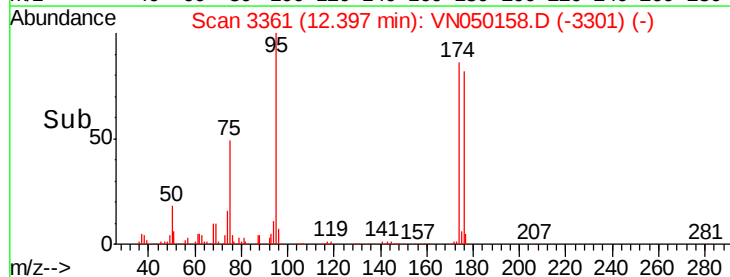
85 0.0 32.3 96.8#

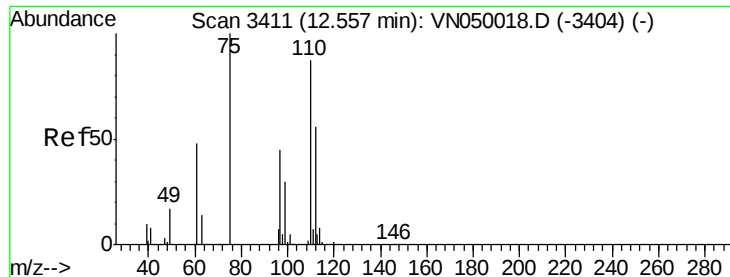


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.10 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

Instrument :

MSVOA_N

ClientSampleId :

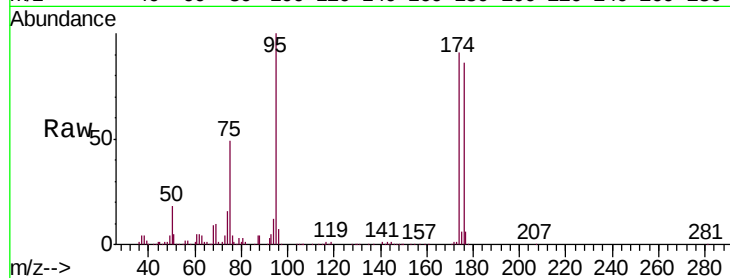
VN0727WBL03

Tot Ion: 75 Resp: 185417

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

120000

100000

80000

60000

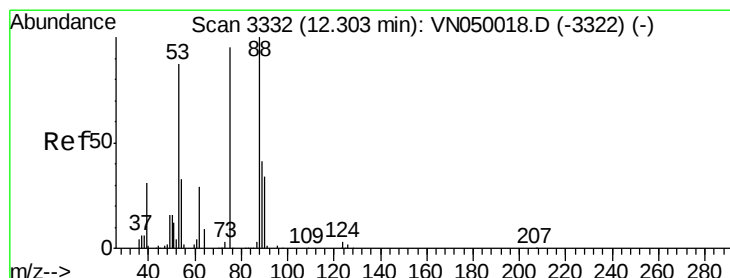
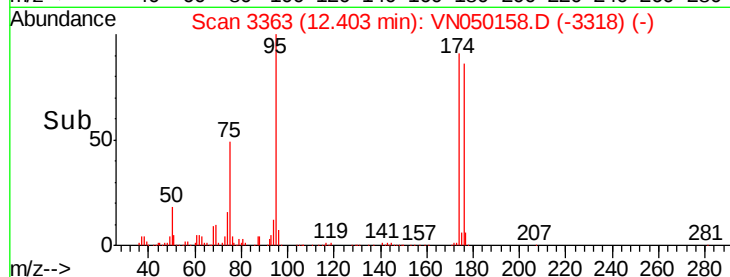
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 105.00 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

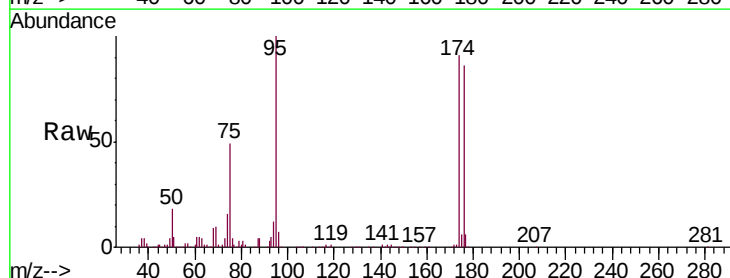
Tgt Ion: 75 Resp: 185417

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

150000

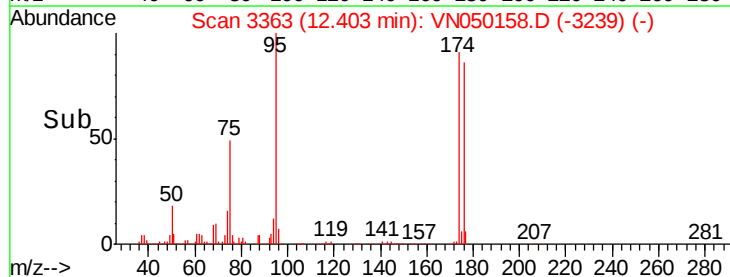
100000

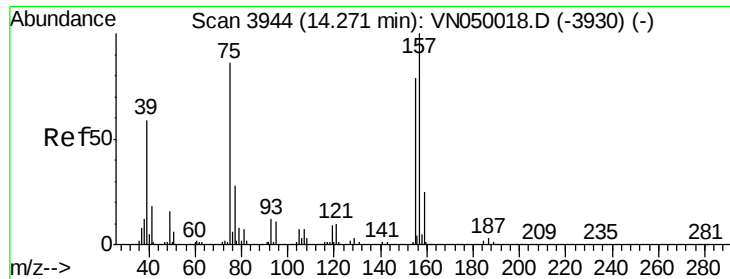
50000

0

12.35 12.40 12.45

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3946

Delta R.T. 0.01 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBL03

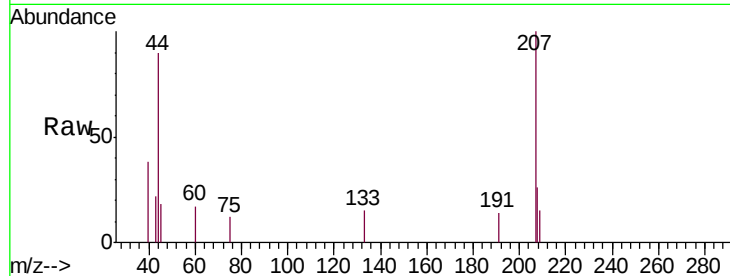
Tot Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

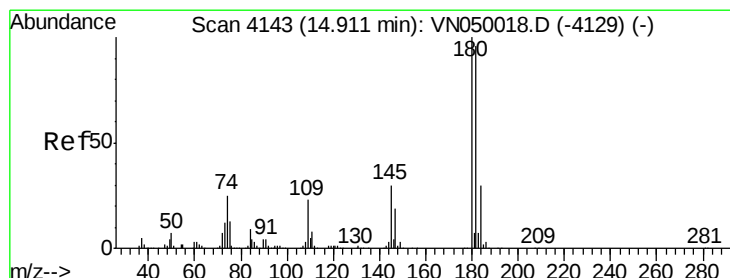
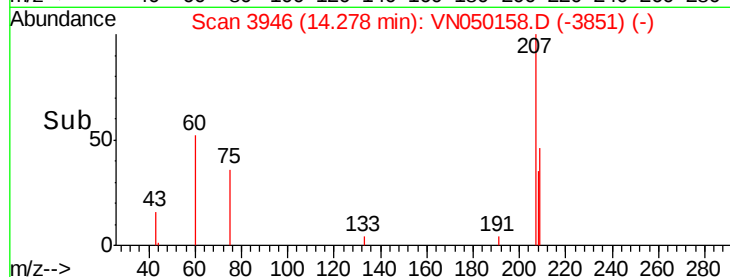
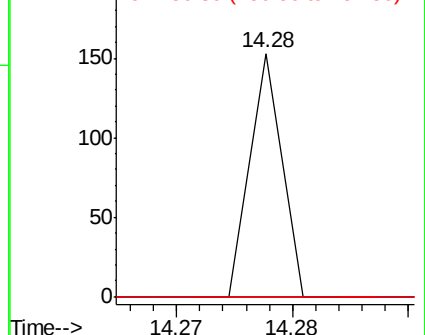
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN050158.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN050158.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN050158.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.19 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050158.D

Acq: 28 Jul 2018 3:50

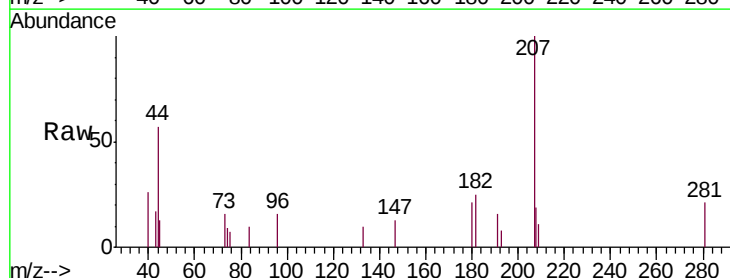
Tgt Ion: 180 Resp: 660

Ion Ratio Lower Upper

180 100

182 103.5 46.7 140.1

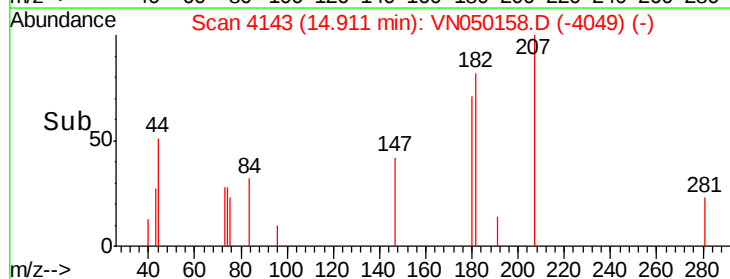
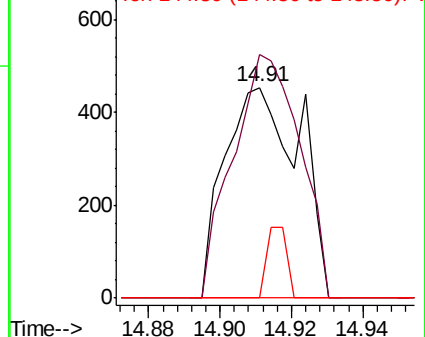
145 8.9 13.8 41.4#

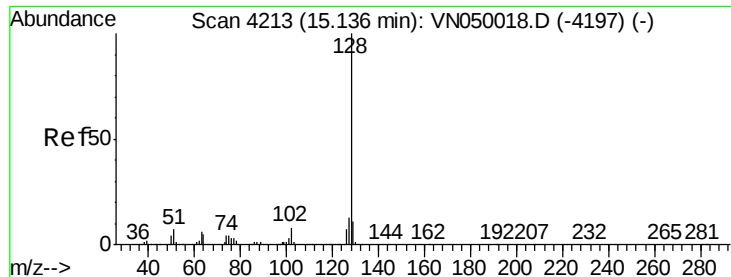


Abundance Ion 179.80 (179.50 to 180.50): VN050158.D (-4049) (-)

Ion 181.80 (181.50 to 182.50): VN050158.D (-4049) (-)

Ion 144.80 (144.50 to 145.50): VN050158.D (-4049) (-)

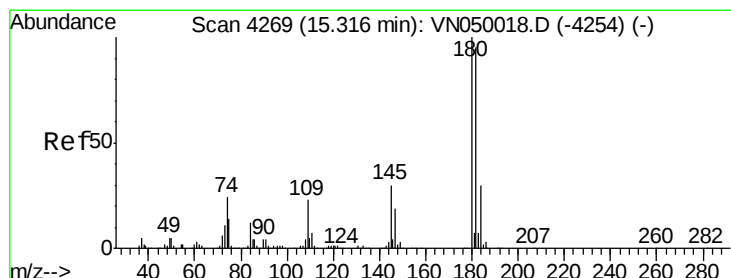
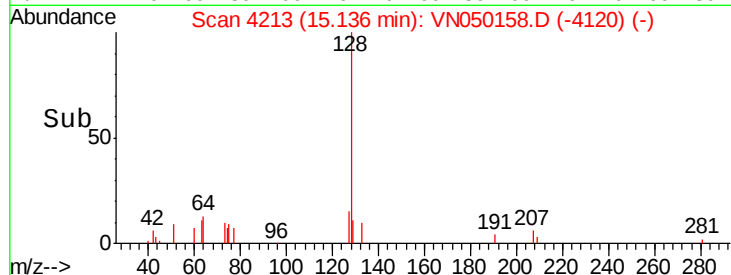
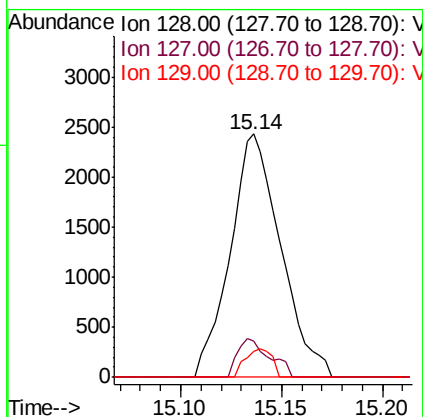
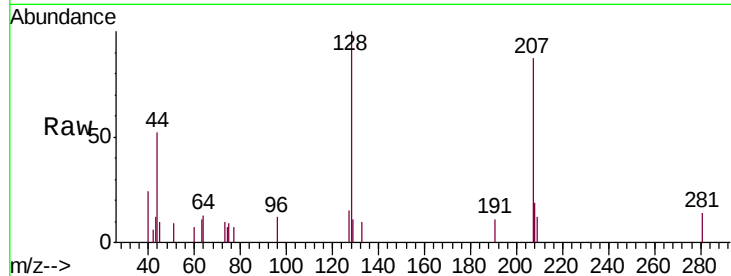




#95
Naphthalene
Concen: 4.70 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050158.D
Acq: 28 Jul 2018 3:50

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL03

Tot Ion:128 Resp: 4250
Ion Ratio Lower Upper
128 100
127 10.2 10.4 15.6#
129 6.1 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 2.39 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050158.D
Acq: 28 Jul 2018 3:50

Tgt Ion:180 Resp: 1121
Ion Ratio Lower Upper
180 100
182 86.5 48.1 144.4
145 20.7 15.3 45.9

