

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050162.D
 Acq On : 28 Jul 2018 5:29
 Operator : MD\SY
 Sample : J4199-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELDBLANK-7-25-18

Quant Time: Jul 30 01:54:00 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	629167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1039431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	863533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	444787	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	7.59	113	400619	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.09	98	1415323	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
62) 4-Bromofluorobenzene	12.40	95	389865	37.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.90%	

Target Compounds

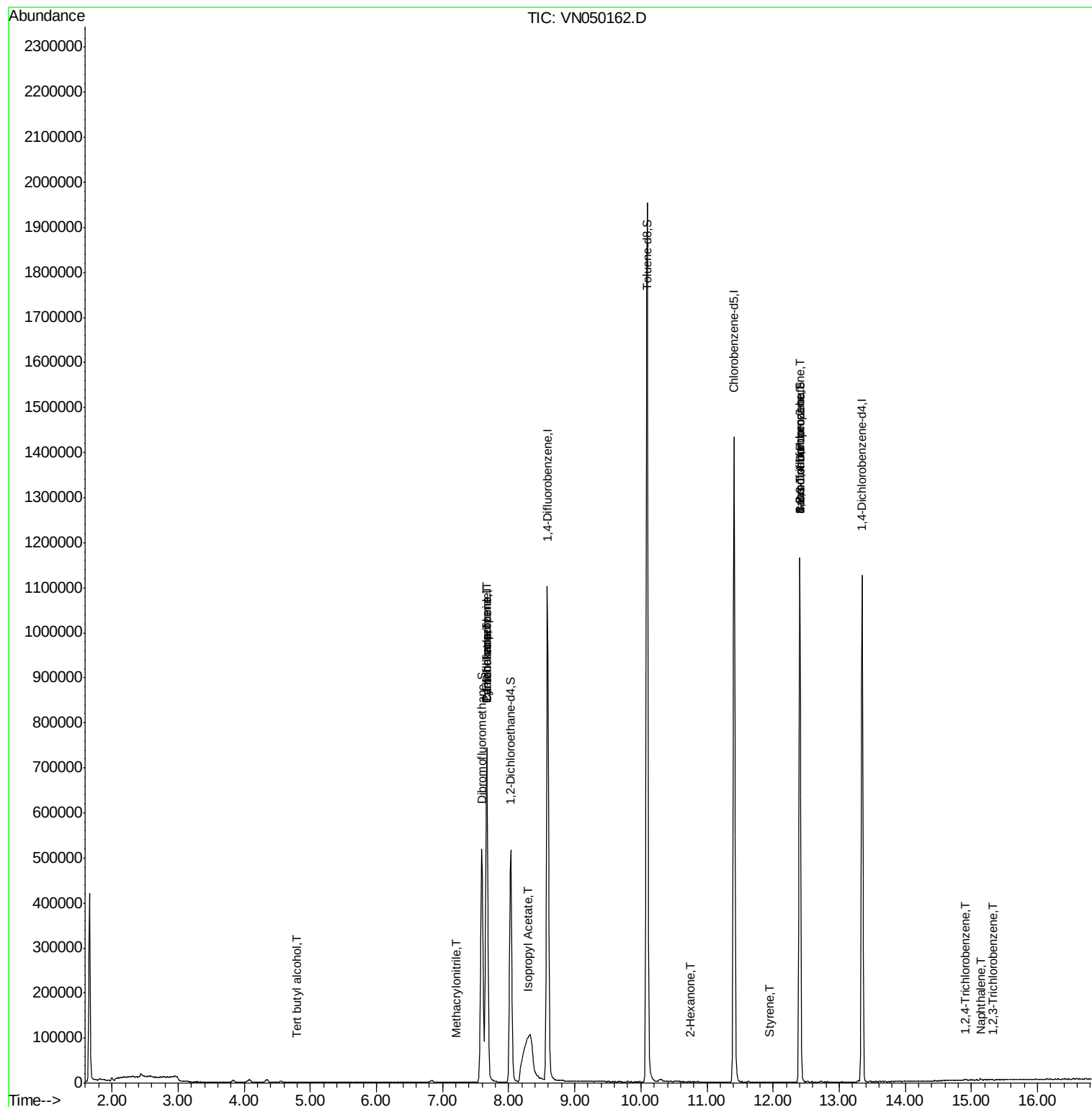
						Qvalue
5) Bromomethane	2.54	94	71	Below Cal	#	3
11) Tert butyl alcohol	4.81	59	179	0.28	ug/l #	72
16) Acetone	3.82	43	7330	Below Cal	#	87
18) Methyl Acetate	4.34	43	12592	Below Cal		91
20) Methylene Chloride	4.55	84	1303	Below Cal	#	69
31) Cyclohexane	7.67	56	11835	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45003	3.84	ug/l #	47
38) Carbon Tetrachloride	7.67	117	57133	4.60	ug/l #	16
41) Methacrylonitrile	7.21	41	32	2.76	ug/l #	10
43) Isopropyl Acetate	8.29	43	178051	10.68	ug/l #	61
59) 2-Hexanone	10.75	43	489	5.26	ug/l #	24
70) Styrene	11.96	104	154	0.93	ug/l #	54
71) Bromoform	12.40	173	1835	0.30	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	175	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	192168	32.82	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	192168	104.09	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	599	3.18	ug/l	78
95) Naphthalene	15.14	128	2576	4.58	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.33	180	688	2.32	ug/l #	83

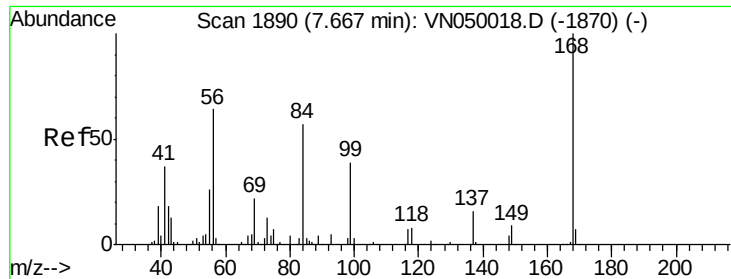
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050162.D

Acq: 28 Jul 2018 5:29

Instrument :

MSVOA_N

ClientSampleId :

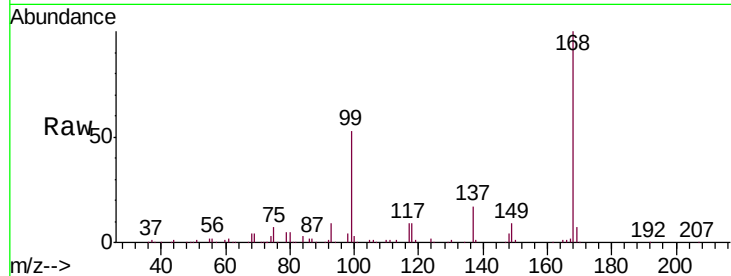
FIELDBLANK-7-25-18

Tot Ion:168 Resp: 629167

Ion Ratio Lower Upper

168 100

99 52.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

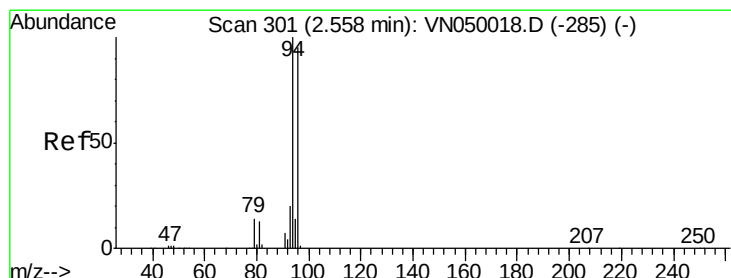
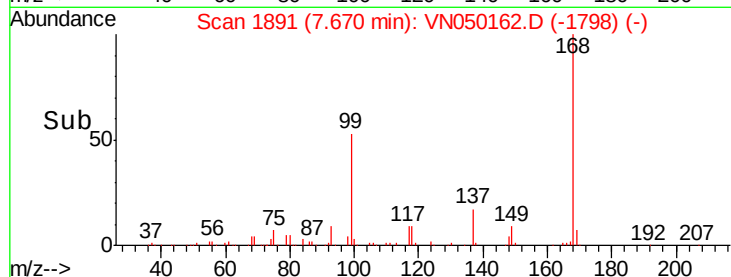
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 295

Delta R.T. -0.01 min

Lab File: VN050162.D

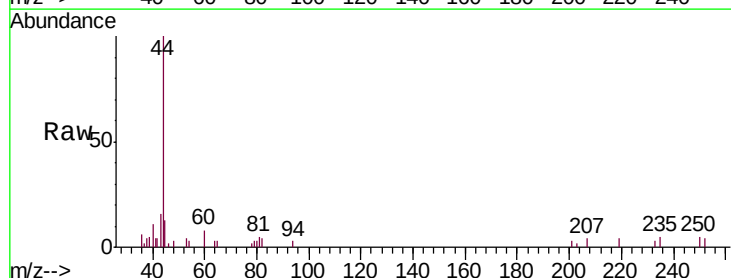
Acq: 28 Jul 2018 5:29

Tgt Ion: 94 Resp: 71

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050018.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN050018.D (-285) (-)

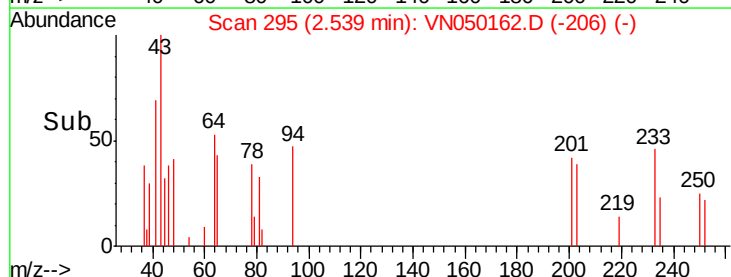
2.54

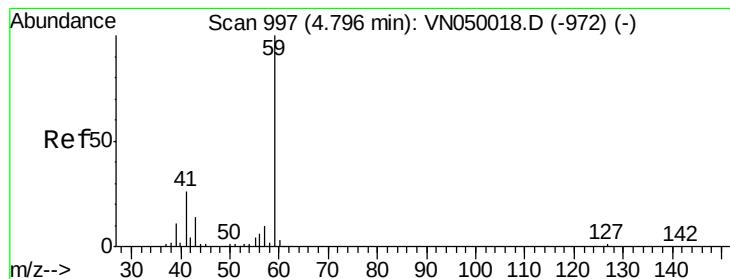
200

100

0

Time-->



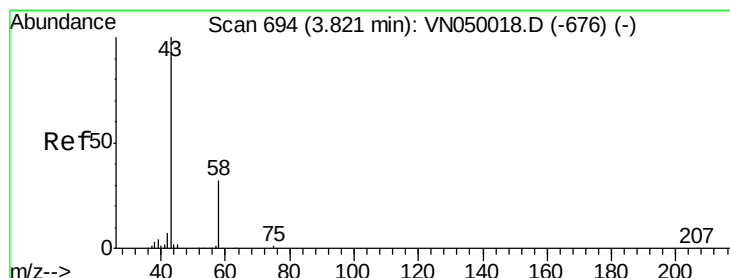
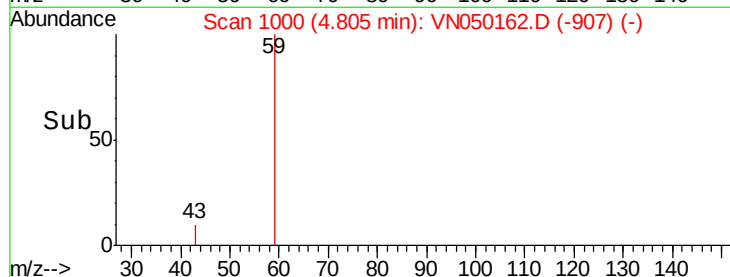
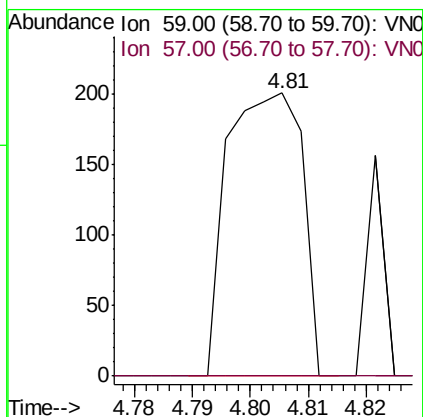
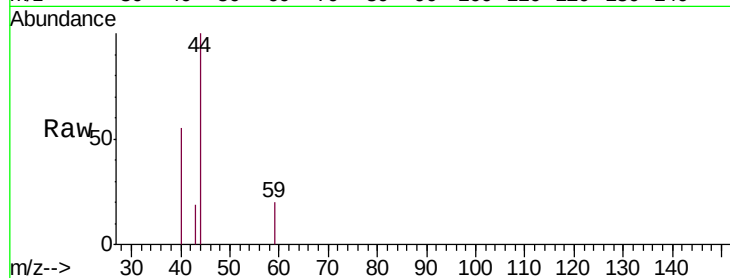


#11

Tert butyl alcohol
 Concen: 0.28 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN050162.D
 Acq: 28 Jul 2018 5:29

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELDBLANK-7-25-18

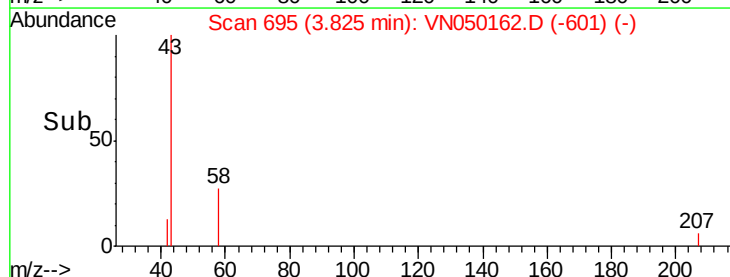
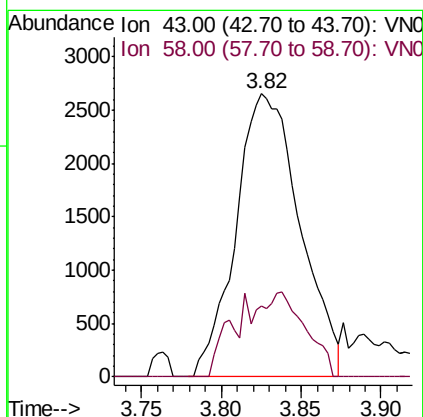
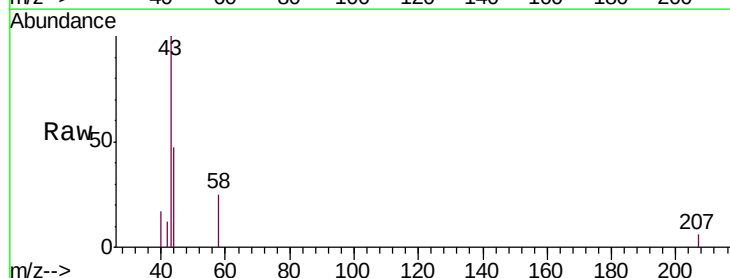
Tot Ion: 59 Resp: 179
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

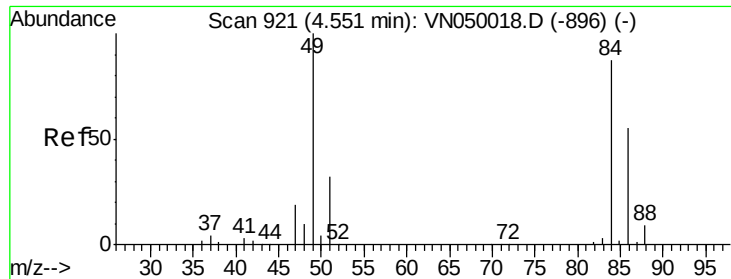


#16

Acetone
 Concen: Below Cal
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050162.D
 Acq: 28 Jul 2018 5:29

Tgt Ion: 43 Resp: 7330
 Ion Ratio Lower Upper
 43 100
 58 25.2 25.8 38.8#

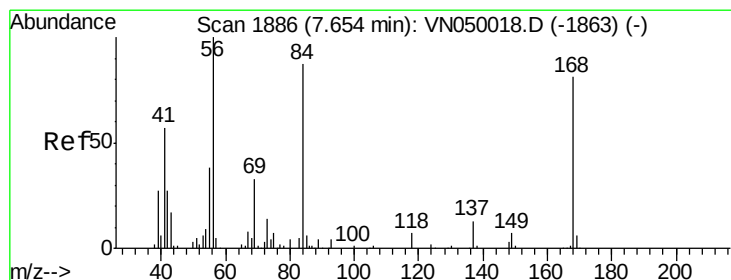
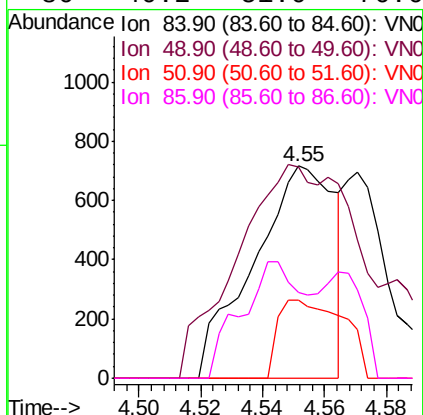
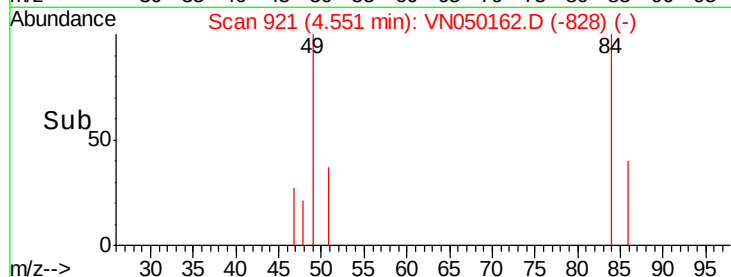
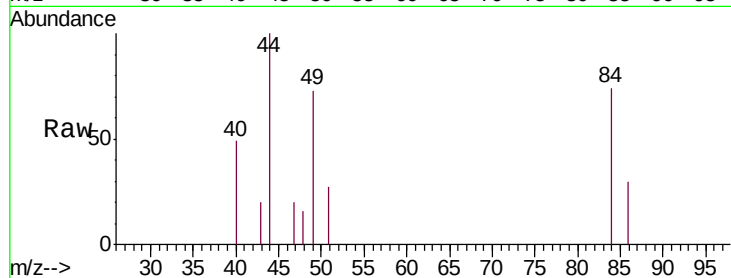




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050162.D
Acq: 28 Jul 2018 5:29

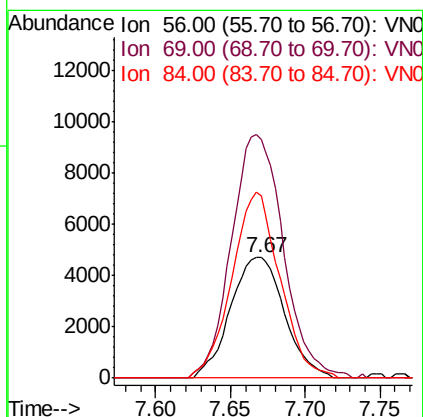
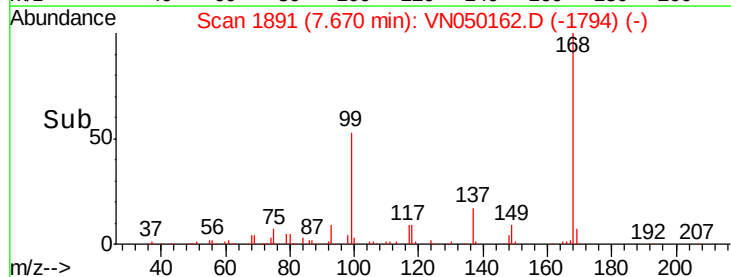
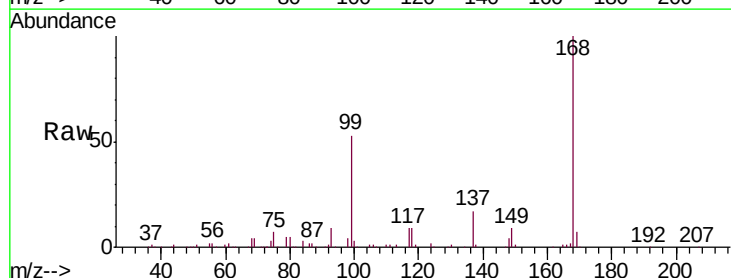
Instrument :
MSVOA_N
ClientSampleId :
FIELDBLANK-7-25-18

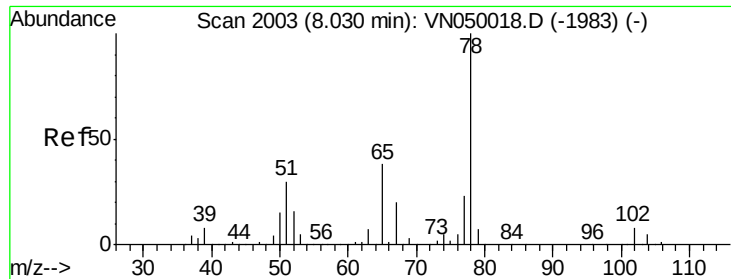
Tot Ion: 84 Resp: 1303
Ion Ratio Lower Upper
84 100
49 75.3 94.8 142.2#
51 37.0 28.3 42.5
86 40.2 51.0 76.6#



#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050162.D
Acq: 28 Jul 2018 5:29

Tgt Ion: 56 Resp: 11835
Ion Ratio Lower Upper
56 100
69 197.9 26.2 39.4#
84 151.5 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 50.67 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050162.D

Acq: 28 Jul 2018 5:29

Instrument :

MSVOA_N

ClientSampleId :

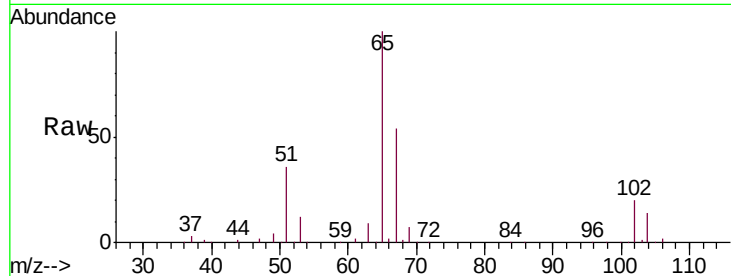
FIELDBLANK-7-25-18

Tot Ion: 65 Resp: 444787

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

150000

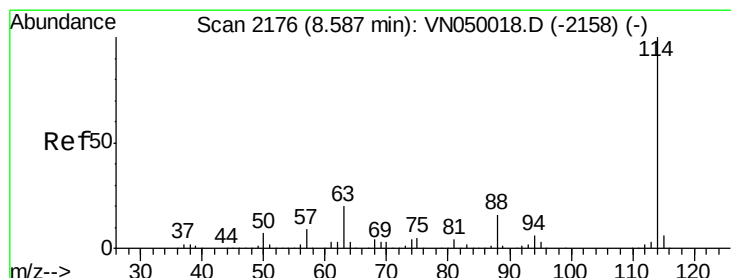
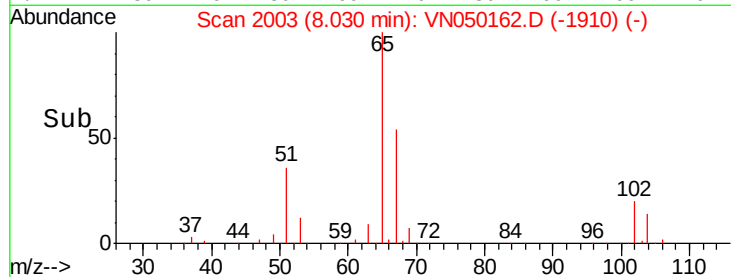
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050162.D

Acq: 28 Jul 2018 5:29

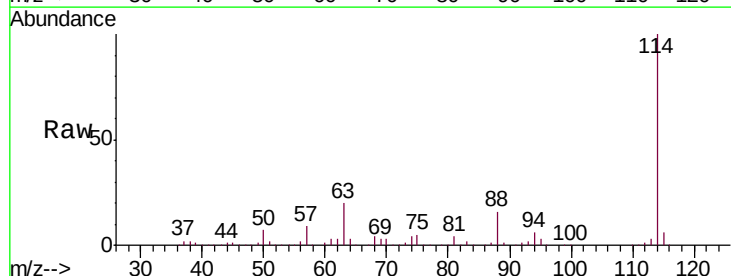
Tgt Ion: 114 Resp: 1039431

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

600000

500000

400000

300000

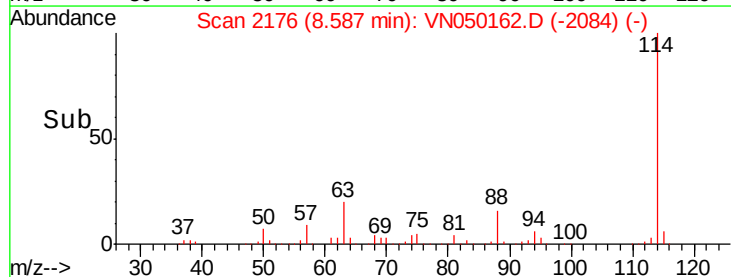
200000

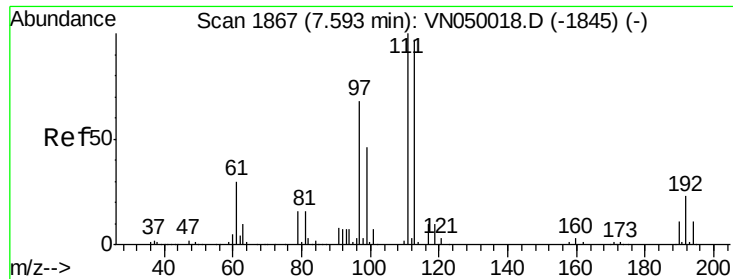
100000

0

8.50 8.60 8.70

Time-->

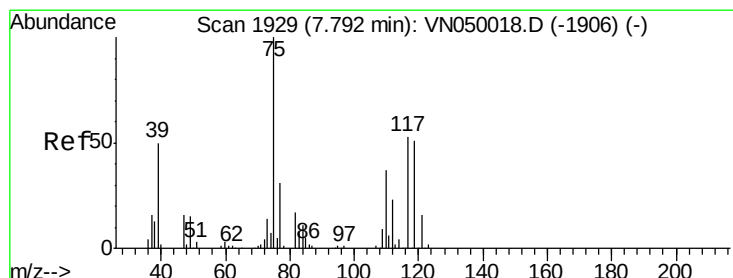
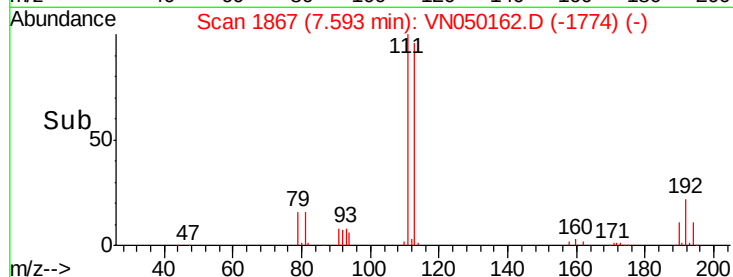
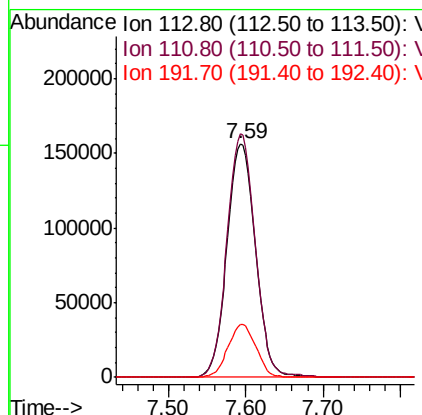
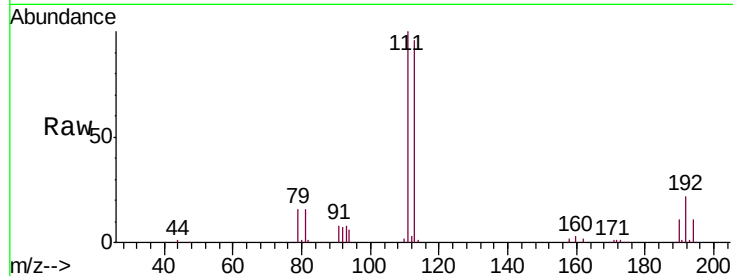




#35
 Dibromofluoromethane
 Concen: 47.21 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050162.D
 Acq: 28 Jul 2018 5:29

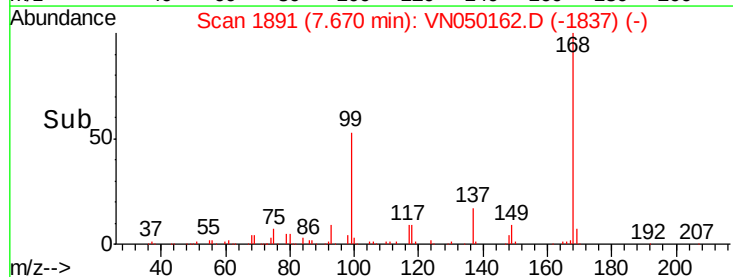
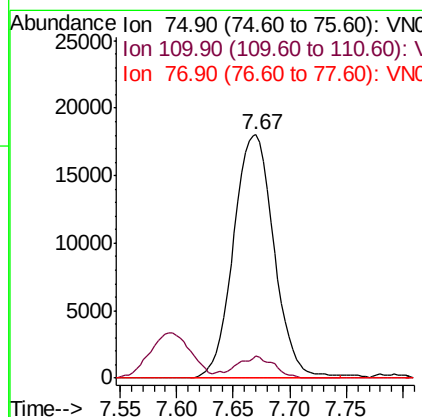
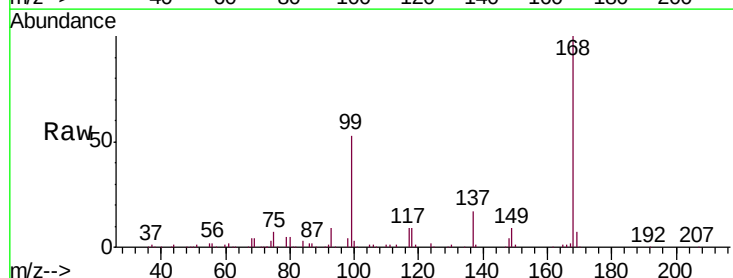
Instrument :
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 FIELDBLANK-7-25-18

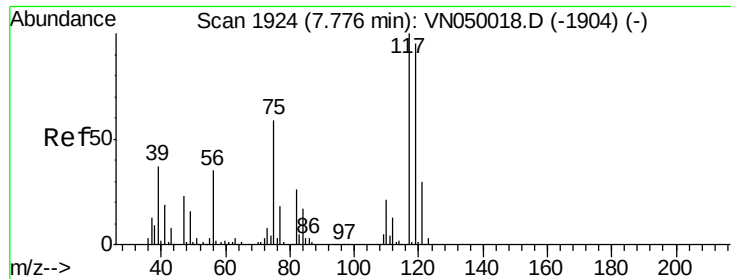
Tot Ion:113 Resp: 400619
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.3 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050162.D
 Acq: 28 Jul 2018 5:29

Tgt Ion: 75 Resp: 45003
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.60 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050162.D

Acq: 28 Jul 2018 5:29

Instrument :

MSVOA_N

ClientSampleId :

FIELDBLANK-7-25-18

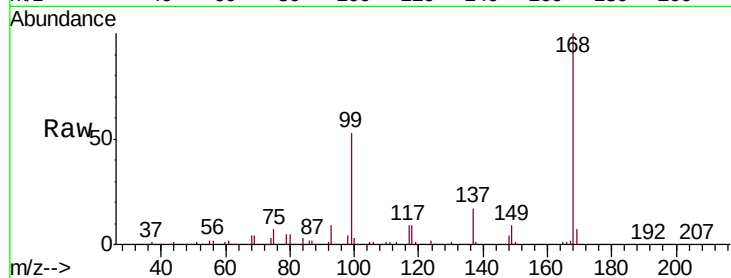
Tot Ion:117 Resp: 57133

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

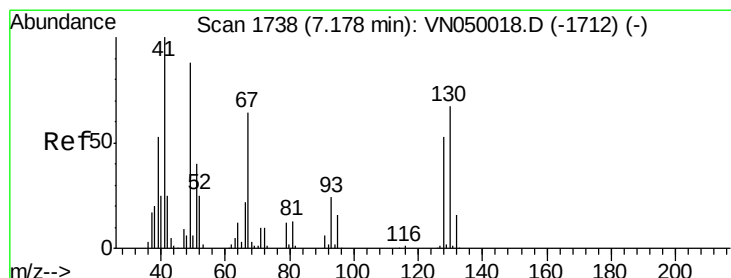
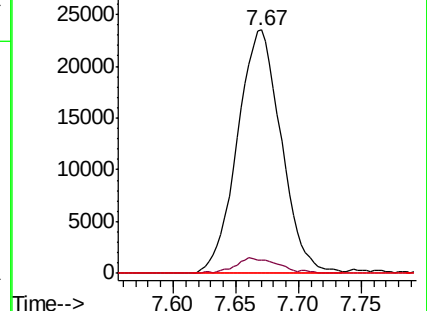
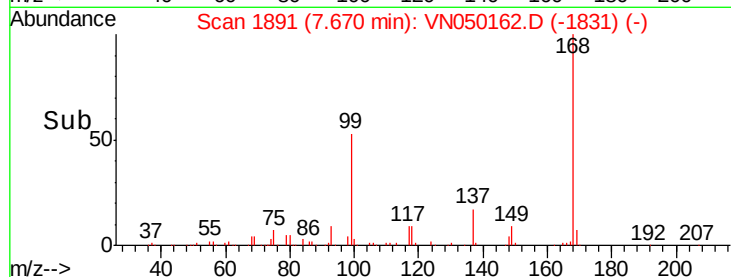
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 2.76 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. 0.04 min

Lab File: VN050162.D

Acq: 28 Jul 2018 5:29

Tgt Ion: 41 Resp: 32

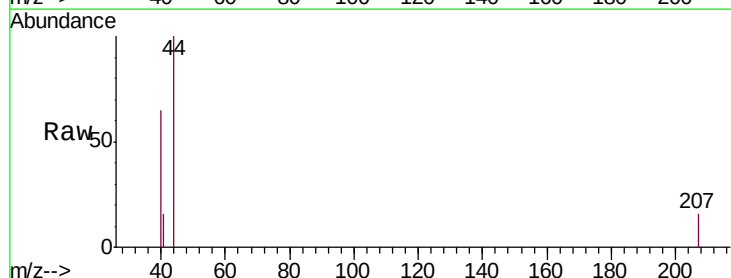
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

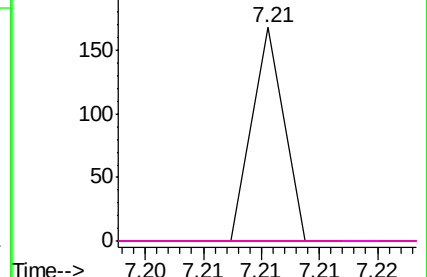
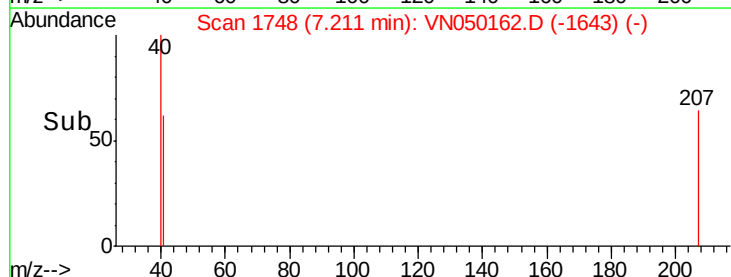


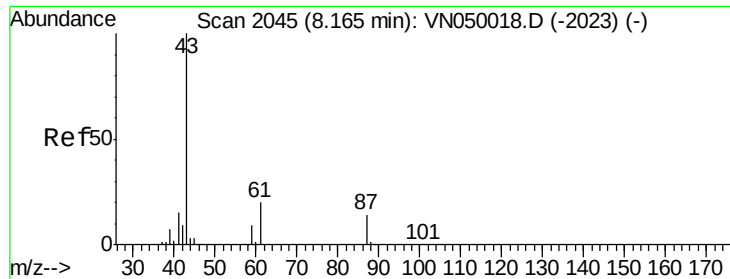
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 10.68 ug/l

RT: 8.29 min Scan# 2084

Delta R.T. 0.12 min

Lab File: VN050162.D

Acq: 28 Jul 2018 5:29

Instrument :

MSVOA_N

ClientSampleId :

FIELDBLANK-7-25-18

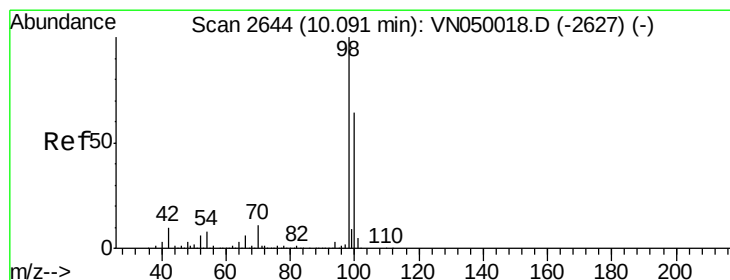
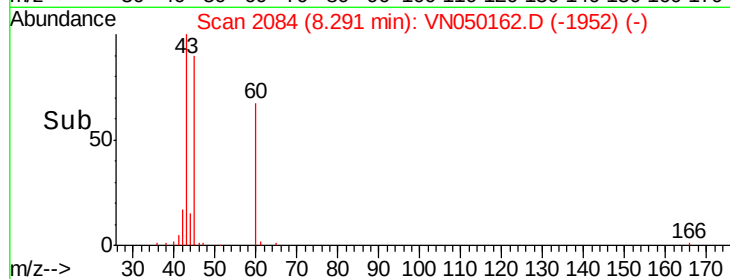
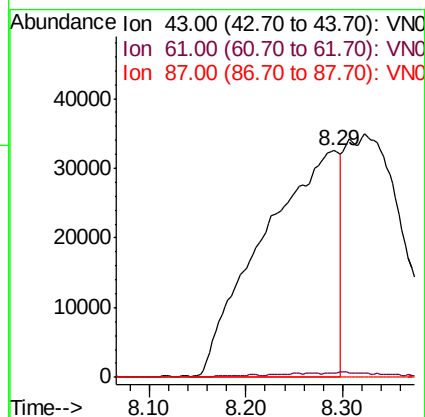
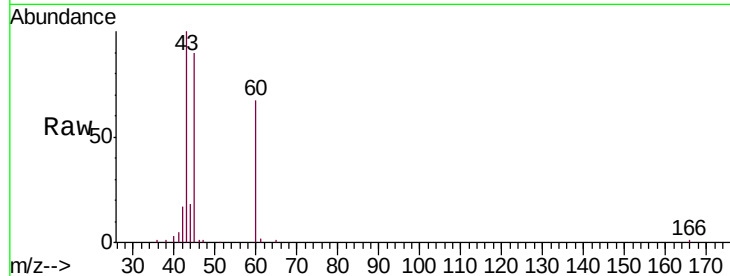
Tot Ion: 43 Resp: 178051

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.36 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050162.D

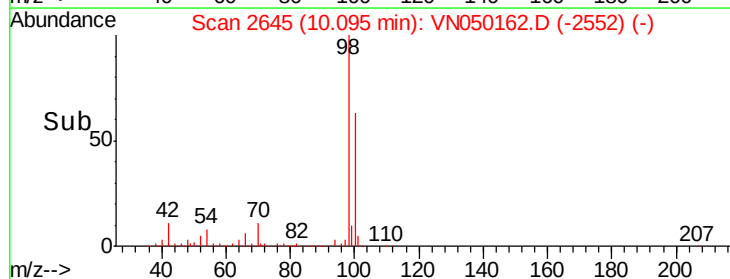
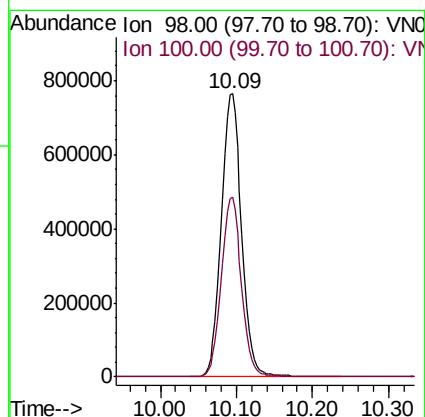
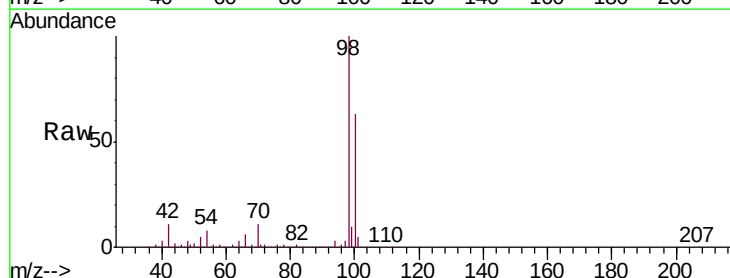
Acq: 28 Jul 2018 5:29

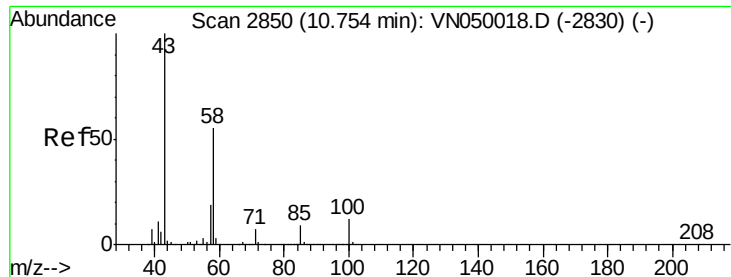
Tgt Ion: 98 Resp: 1415323

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1

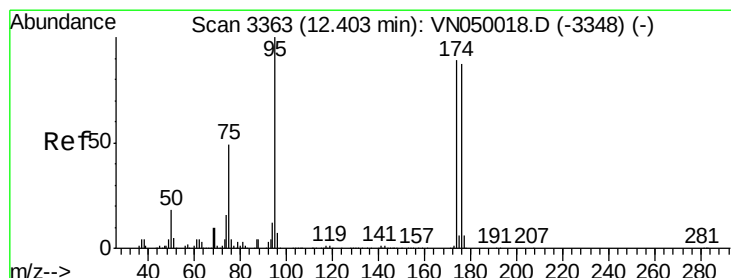
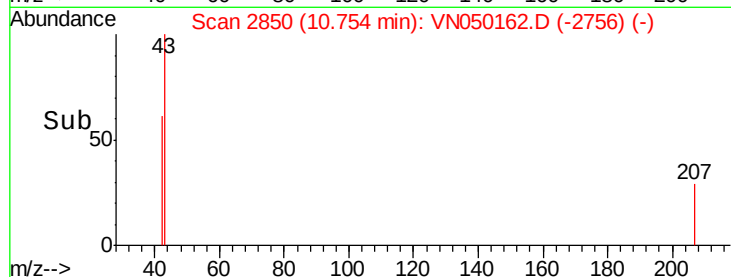
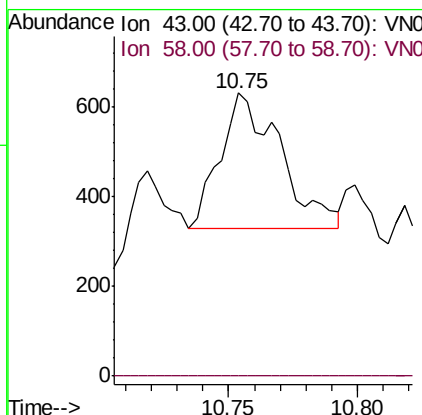
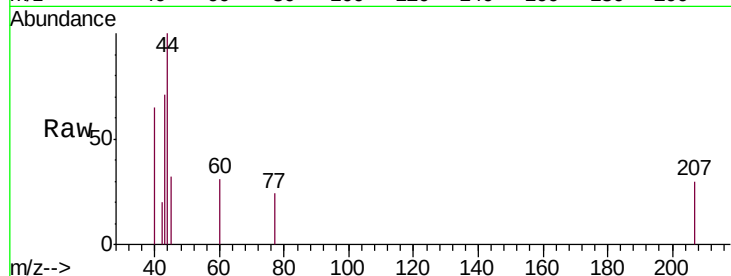




#59
2-Hexanone
Concen: 5.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050162.D
Acq: 28 Jul 2018 5:29

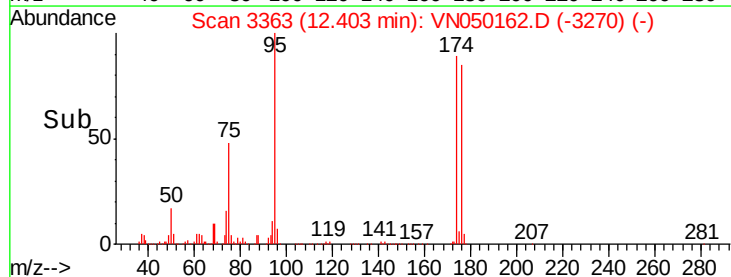
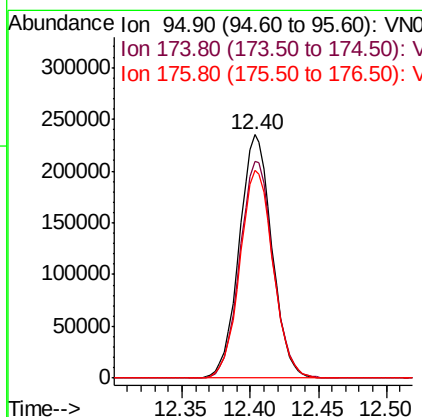
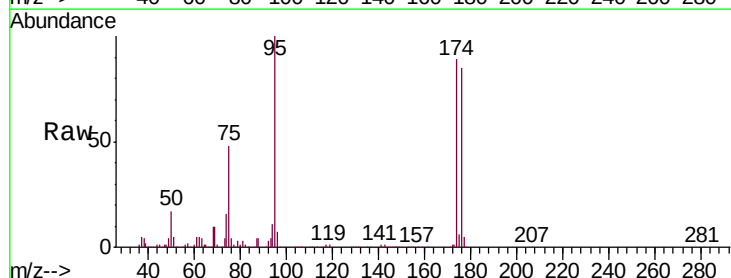
Instrument :
MSVOA_N
ClientSampleId :
FIELDBLANK-7-25-18

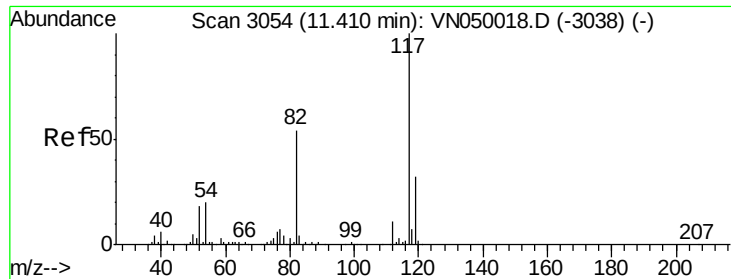
Tot Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 37.95 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050162.D
Acq: 28 Jul 2018 5:29

Tgt Ion: 95 Resp: 389865
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.2
176 86.9 0.0 173.4

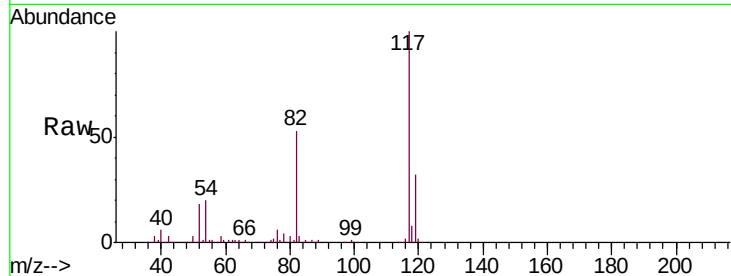




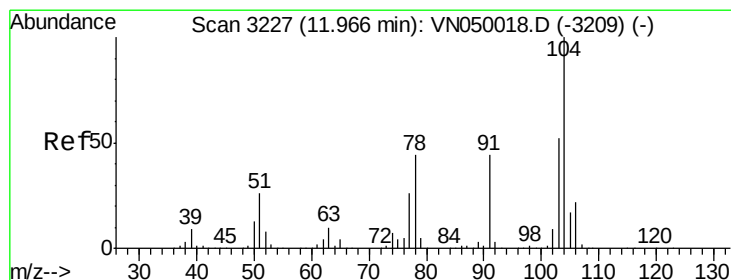
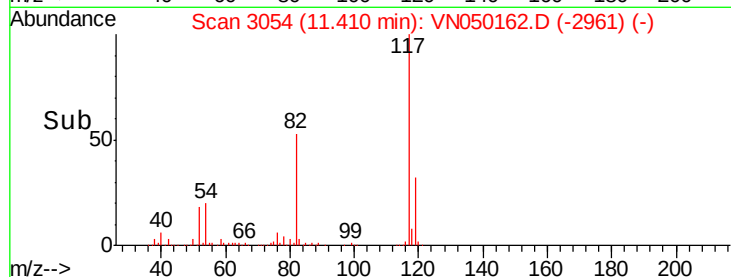
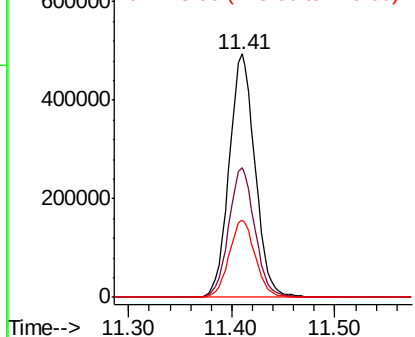
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050162.D
Acq: 28 Jul 2018 5:29

Instrument :
MSVOA_N
ClientSampleId :
FIELDBLANK-7-25-18

Tot Ion:117 Resp: 863533
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 31.9 26.1 39.1

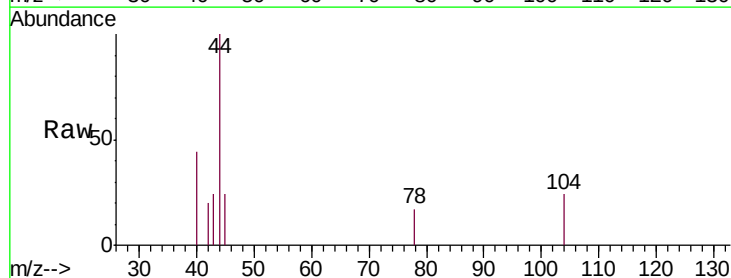


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

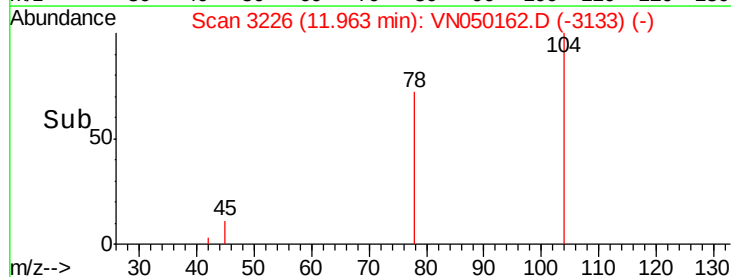
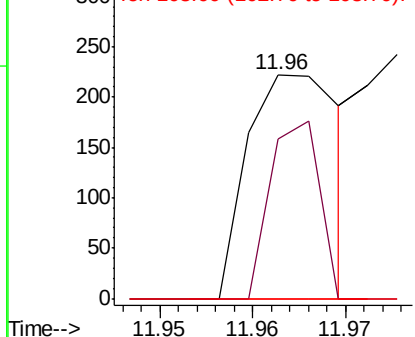


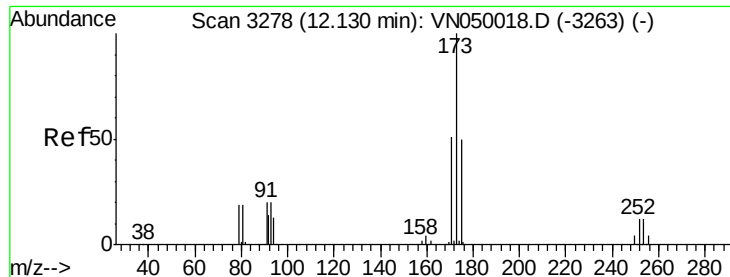
#70
Styrene
Concen: 0.93 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050162.D
Acq: 28 Jul 2018 5:29

Tgt Ion:104 Resp: 154
Ion Ratio Lower Upper
104 100
78 42.2 39.3 58.9
103 0.0 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050162.D

Acq: 28 Jul 2018 5:29

Instrument :

MSVOA_N

ClientSampleId :

FIELDBLANK-7-25-18

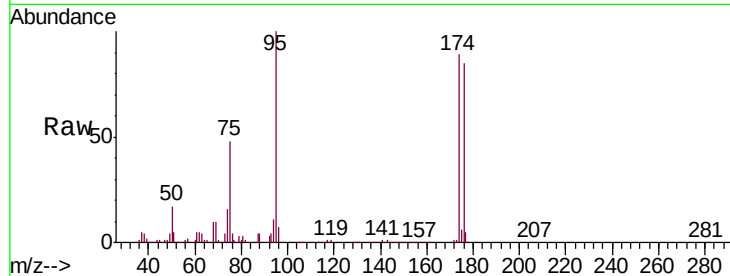
Tot Ion:173 Resp: 1835

Ion Ratio Lower Upper

173 100

175 1214.5 24.1 72.2#

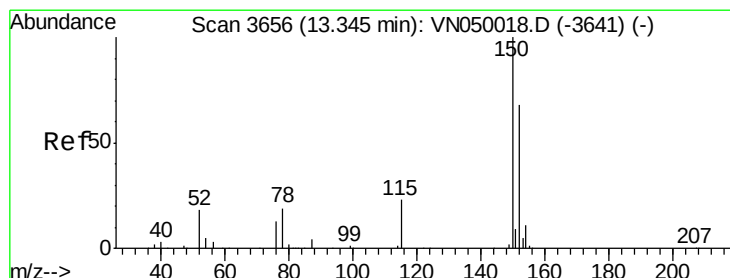
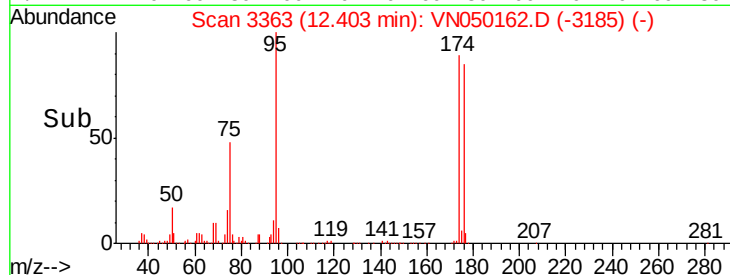
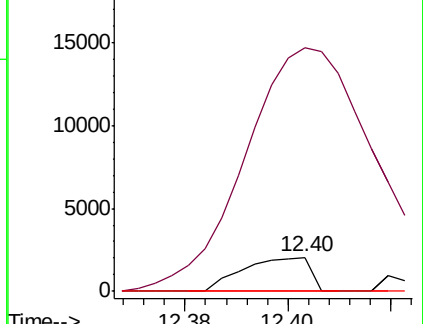
254 0.0 0.2 0.2#



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: VN050162.D

Acq: 28 Jul 2018 5:29

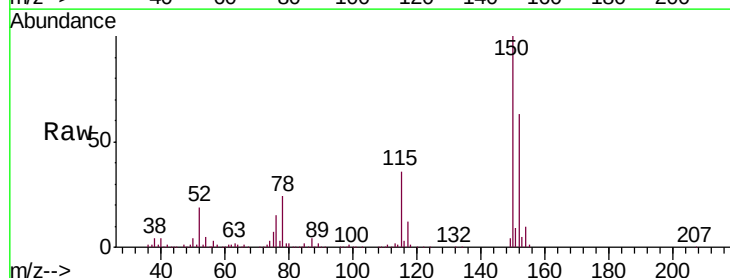
Tgt Ion:152 Resp: 315084

Ion Ratio Lower Upper

152 100

115 57.2 27.8 83.3

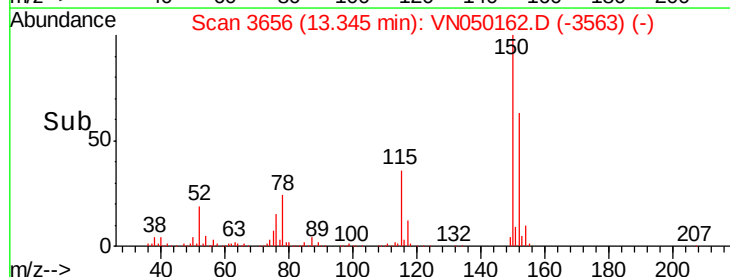
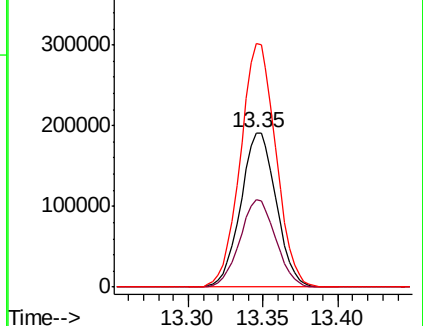
150 158.2 0.0 348.6

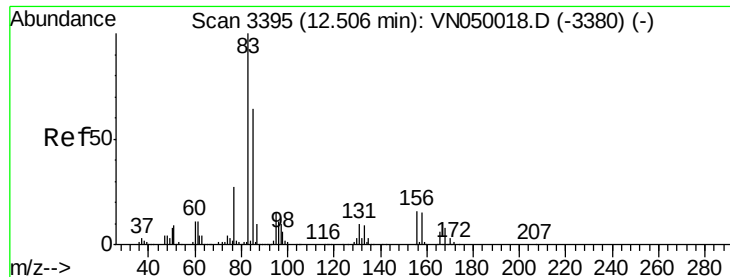


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3362

Delta R.T. -0.10 min

Lab File: VN050162.D

Acq: 28 Jul 2018 5:29

Instrument :

MSVOA_N

ClientSampleId :

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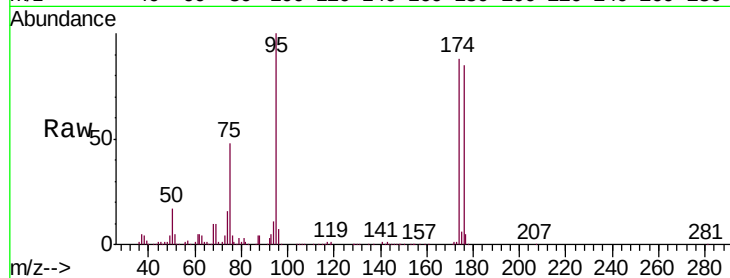
Tot Ion: 83 Resp: 175

Ion Ratio Lower Upper

83 100

131 400.6 5.1 15.3#

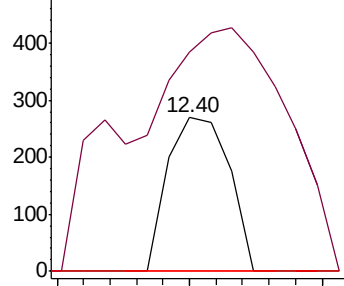
85 0.0 32.3 96.8#



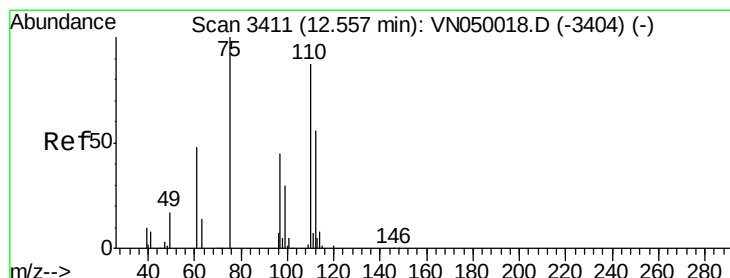
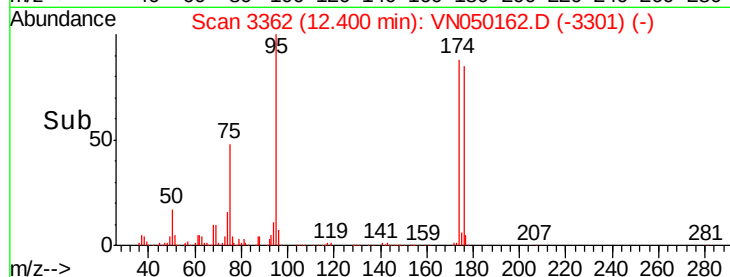
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time--> 12.38 12.40 12.42



#76

1,2,3-Trichloropropane

Concen: 32.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050162.D

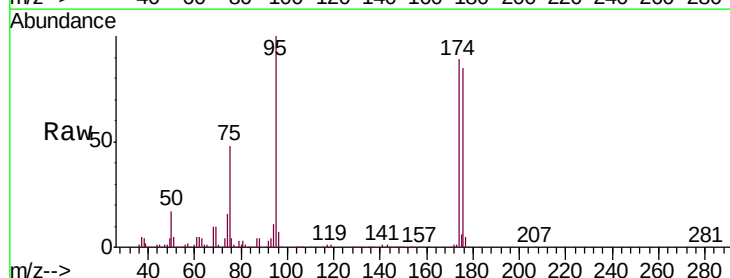
Acq: 28 Jul 2018 5:29

Tgt Ion: 75 Resp: 192168

Ion Ratio Lower Upper

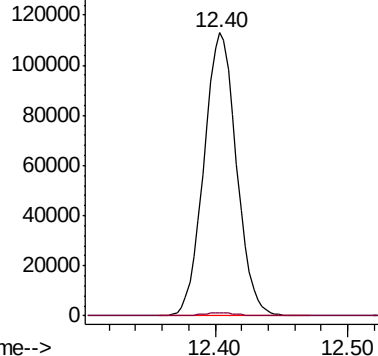
75 100

77 1.2 0.0 0.0#

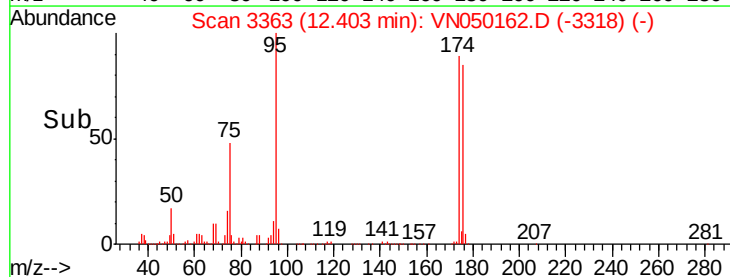


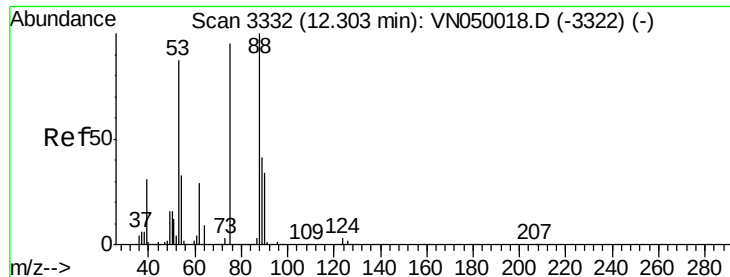
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time--> 12.40 12.50





#81

trans-1,4-Dichloro-2-butene

Concen: 104.09 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050162.D

Acq: 28 Jul 2018 5:29

Instrument :

MSVOA_N

ClientSampleId :

FIELDBLANK-7-25-18

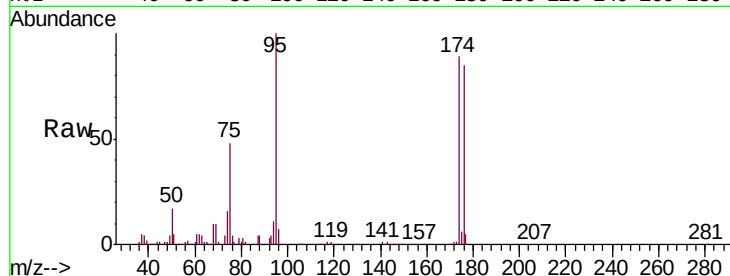
Tot Ion: 75 Resp: 192168

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

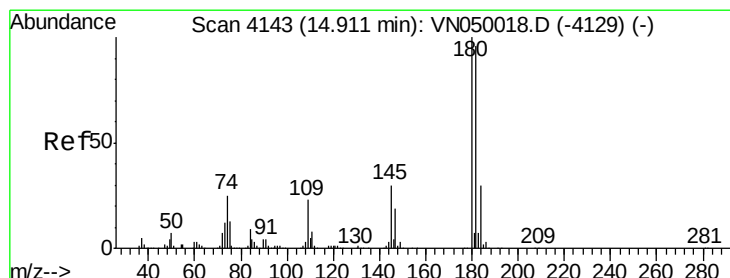
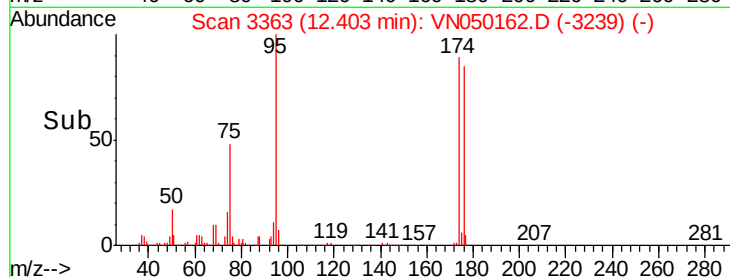
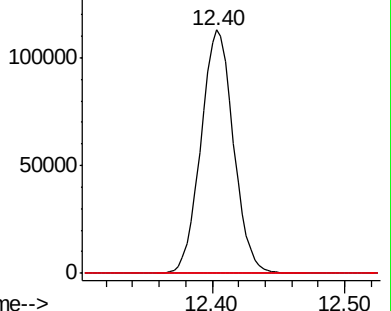
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050162.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN050162.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN050162.D (-3363) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.18 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050162.D

Acq: 28 Jul 2018 5:29

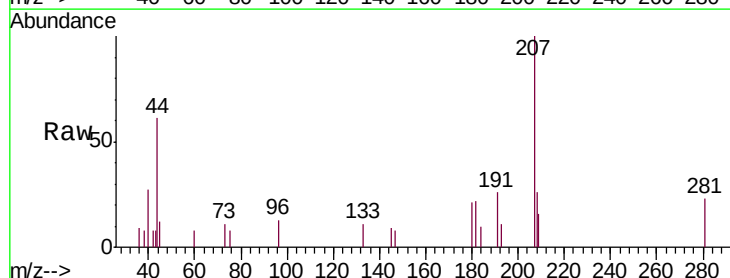
Tgt Ion:180 Resp: 599

Ion Ratio Lower Upper

180 100

182 117.2 46.7 140.1

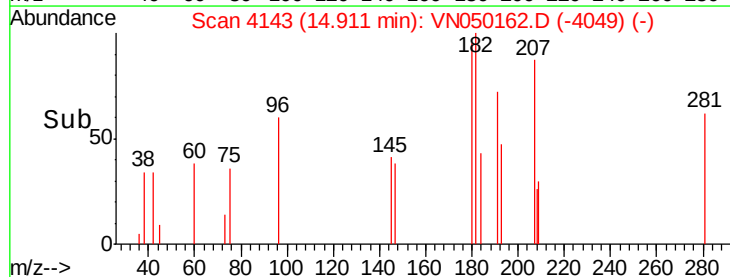
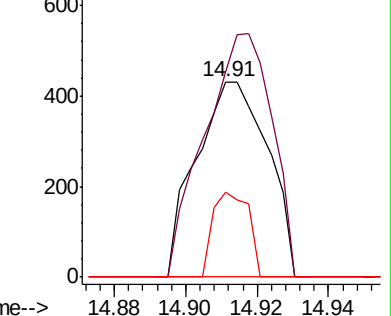
145 21.7 13.8 41.4

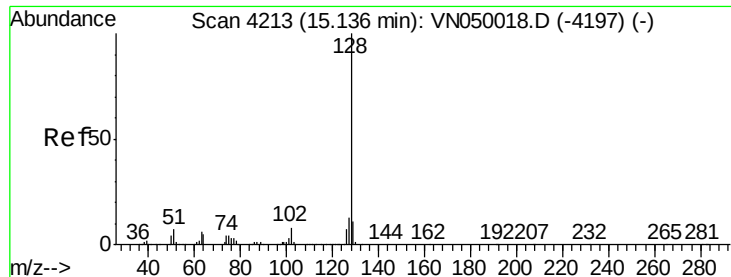


Abundance Ion 179.80 (179.50 to 180.50): VN050162.D (-4143) (-)

Ion 181.80 (181.50 to 182.50): VN050162.D (-4143) (-)

Ion 144.80 (144.50 to 145.50): VN050162.D (-4143) (-)

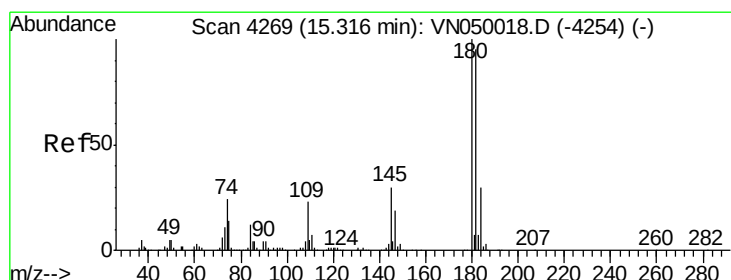
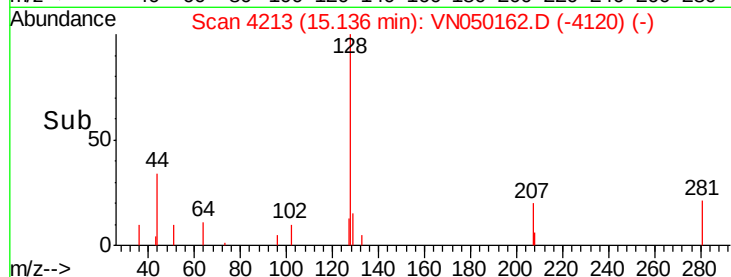
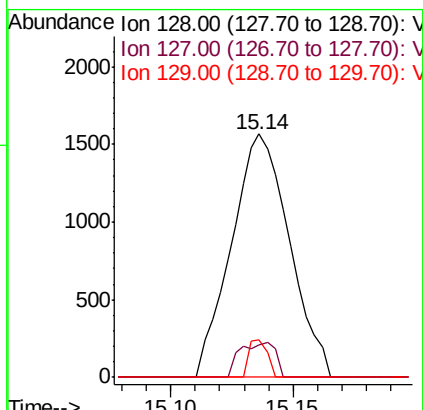
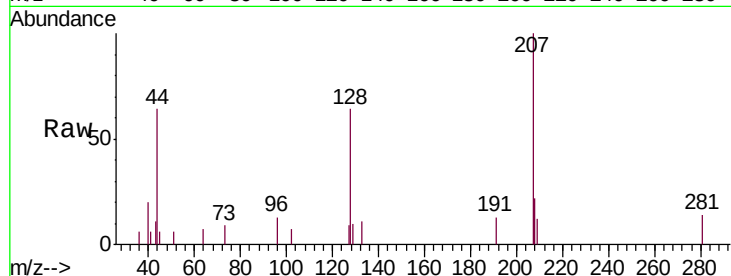




#95
Naphthalene
Concen: 4.58 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050162.D
Acq: 28 Jul 2018 5:29

Instrument :
MSVOA_N
ClientSampleId :
FIELDBLANK-7-25-18

Tot Ion:128 Resp: 2576
Ion Ratio Lower Upper
128 100
127 8.7 10.4 15.6#
129 4.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 2.32 ug/l
RT: 15.33 min Scan# 4272
Delta R.T. 0.01 min
Lab File: VN050162.D
Acq: 28 Jul 2018 5:29

Tgt Ion:180 Resp: 688
Ion Ratio Lower Upper
180 100
182 102.9 48.1 144.4
145 4.5 15.3 45.9#

