

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050290.D
 Acq On : 3 Aug 2018 2:58
 Operator : MD\SY
 Sample : J4303-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Quant Time: Aug 03 04:38:25 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	638432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1058918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	857798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286428	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	457896	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	7.59	113	406477	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
50) Toluene-d8	10.09	98	1433009	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	
62) 4-Bromofluorobenzene	12.41	95	367655	35.13	ug/l	0.00
Spiked Amount			Recovery	=	70.26%	

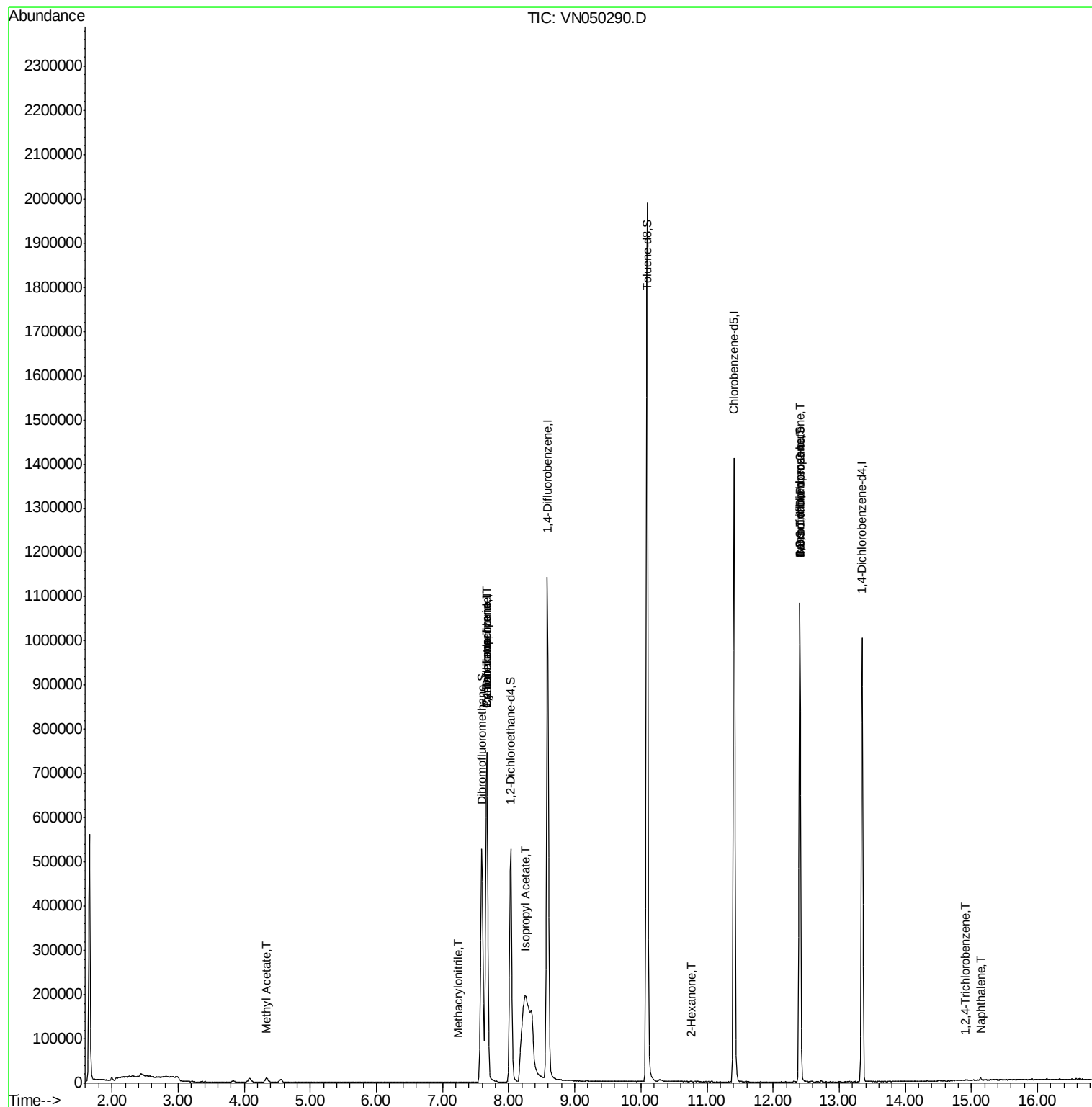
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	429	Below Cal		88
16) Acetone	3.83	43	6503	Below Cal		100
18) Methyl Acetate	4.34	43	20665	0.93	ug/l	98
20) Methylene Chloride	4.55	84	5870	Below Cal		94
31) Cyclohexane	7.67	56	11982	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45427	3.81	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57505	4.54	ug/l #	16
41) Methacrylonitrile	7.23	41	162	2.78	ug/l #	10
43) Isopropyl Acetate	8.25	43	383300	23.86	ug/l #	61
59) 2-Hexanone	10.76	43	237	5.21	ug/l #	24
71) Bromoform	12.41	173	3700	0.61	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	224	Below Cal		1
76) 1,2,3-Trichloropropane	12.40	75	176503	33.16	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	176503	105.17	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	32	3.09	ug/l #	13
95) Naphthalene	15.14	128	4097	4.70	ug/l #	93

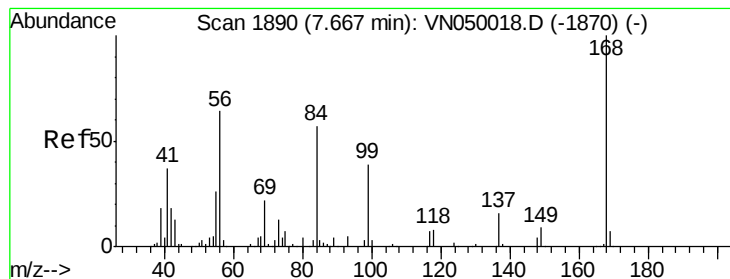
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

Instrument :

MSVOA_N

ClientSampleId :

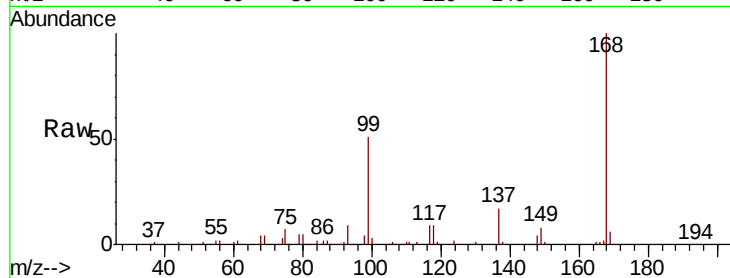
TRIPBLANK

Tot Ion:168 Resp: 638432

Ion Ratio Lower Upper

168 100

99 50.9 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

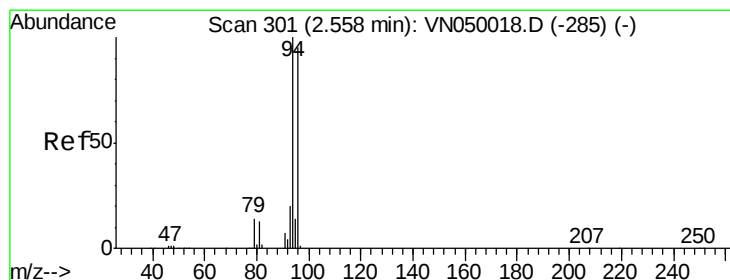
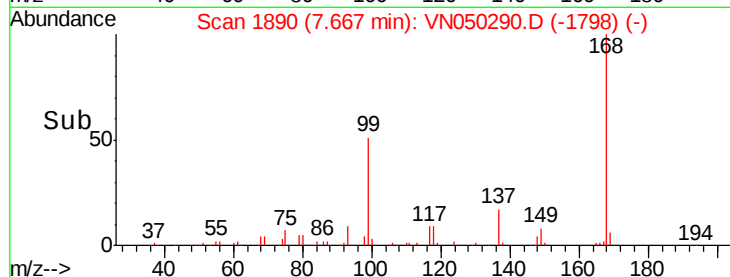
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 300

Delta R.T. 0.00 min

Lab File: VN050290.D

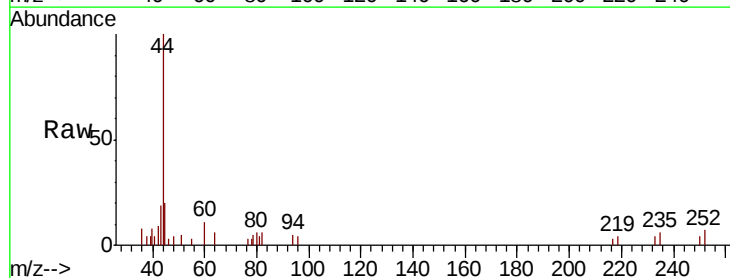
Acq: 3 Aug 2018 2:58

Tgt Ion: 94 Resp: 429

Ion Ratio Lower Upper

94 100

96 81.6 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) (-)

2.55

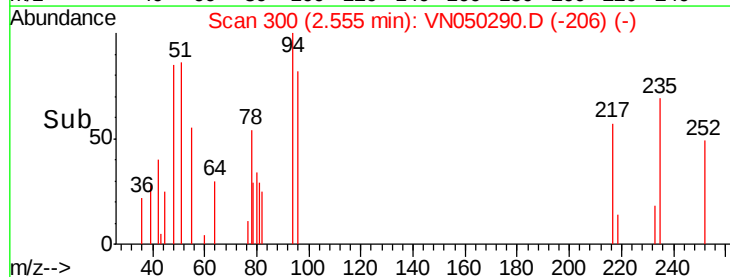
300

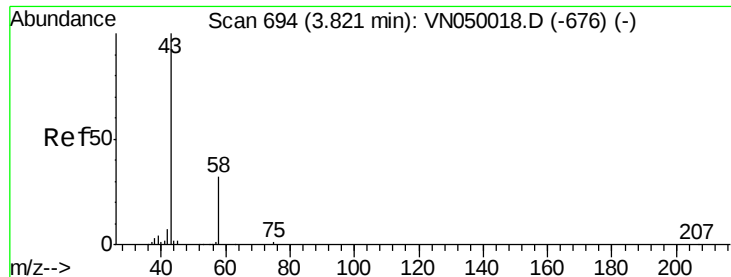
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

Instrument :

MSVOA_N

ClientSampled :

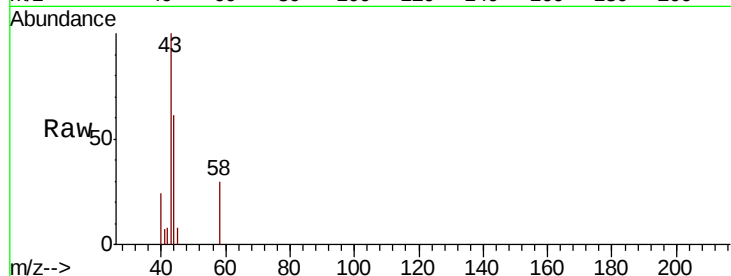
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Tot Ion: 43 Resp: 6503

Ion Ratio Lower Upper

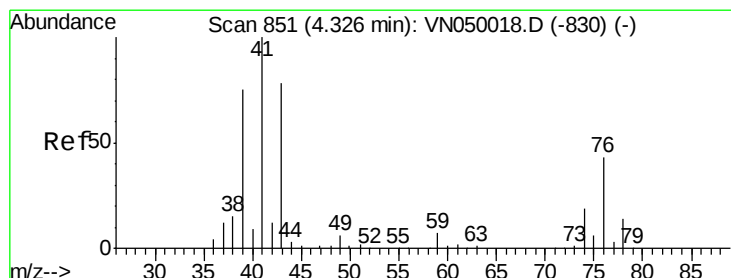
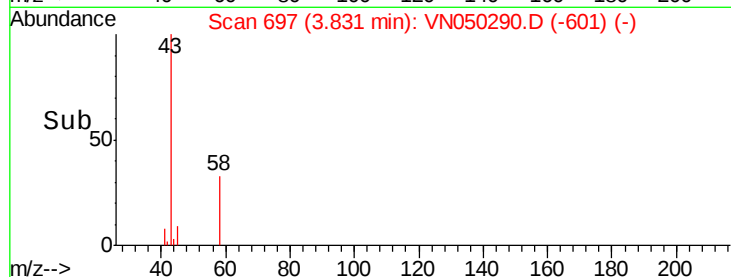
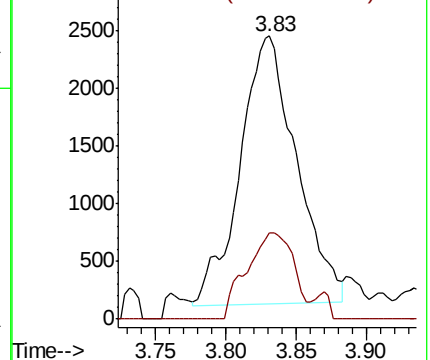
43 100

58 32.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.93 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050290.D

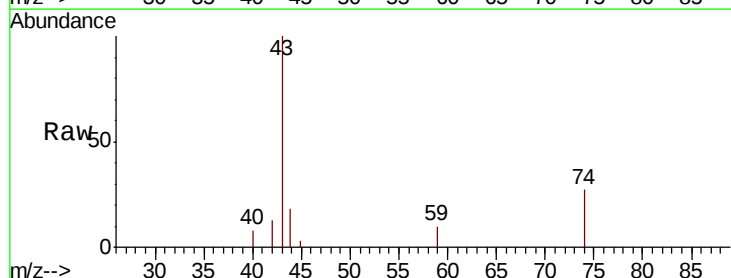
Acq: 3 Aug 2018 2:58

Tgt Ion: 43 Resp: 20665

Ion Ratio Lower Upper

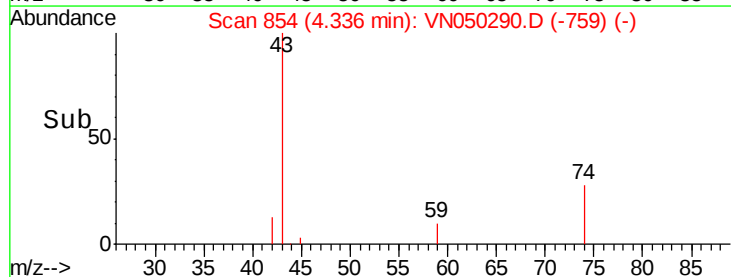
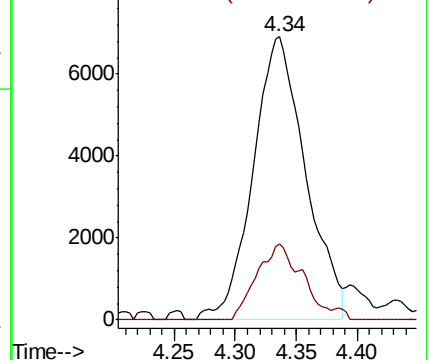
43 100

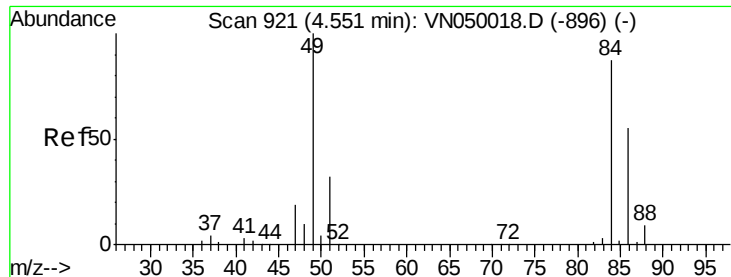
74 23.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

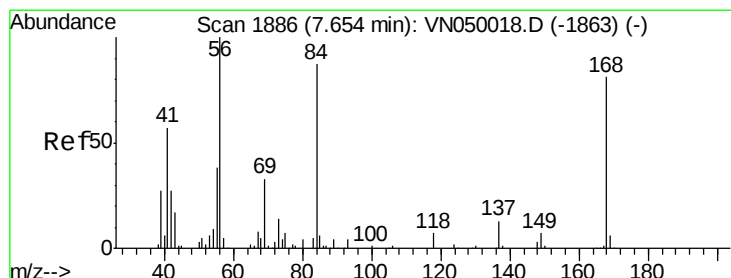
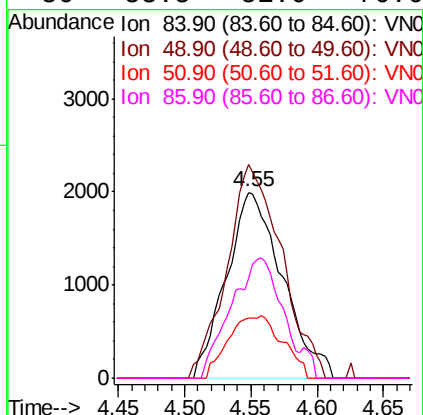
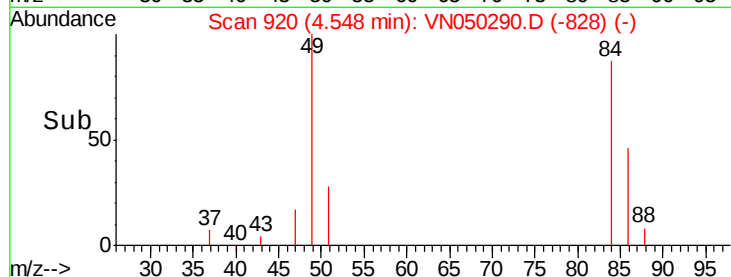
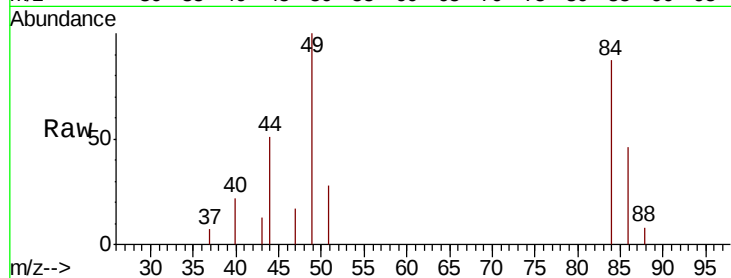




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050290.D
Acq: 3 Aug 2018 2:58

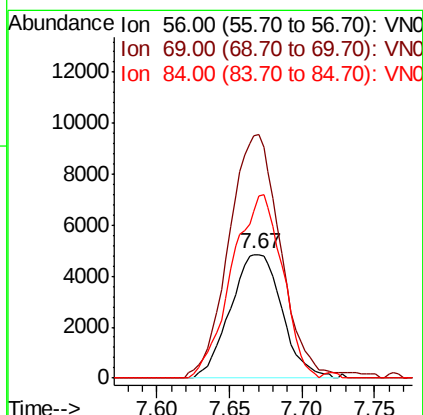
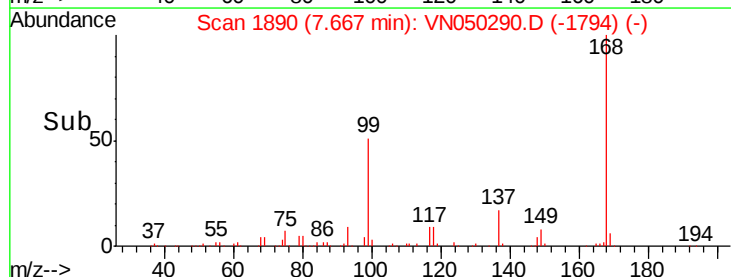
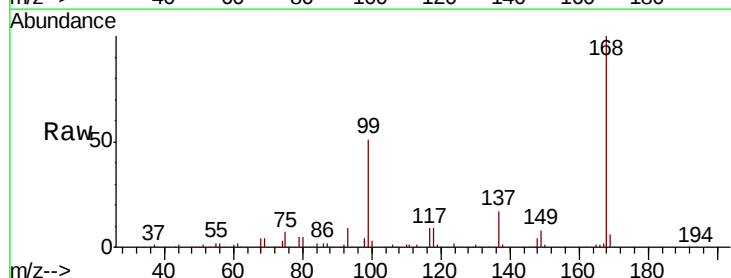
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

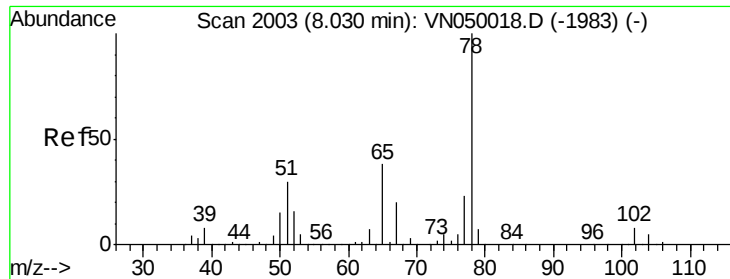
Tot Ion: 84 Resp: 5870
Ion Ratio Lower Upper
84 100
49 115.0 94.8 142.2
51 32.6 28.3 42.5
86 53.5 51.0 76.6



#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050290.D
Acq: 3 Aug 2018 2:58

Tgt Ion: 56 Resp: 11982
Ion Ratio Lower Upper
56 100
69 191.6 26.2 39.4#
84 134.8 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.41 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

Instrument :

MSVOA_N

ClientSampleId :

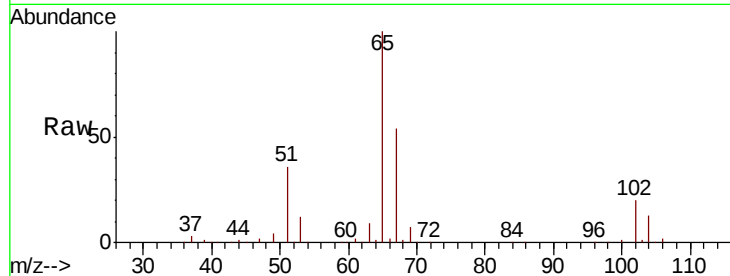
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Tot Ion: 65 Resp: 457896

Ion Ratio Lower Upper

65 100

67 53.2 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

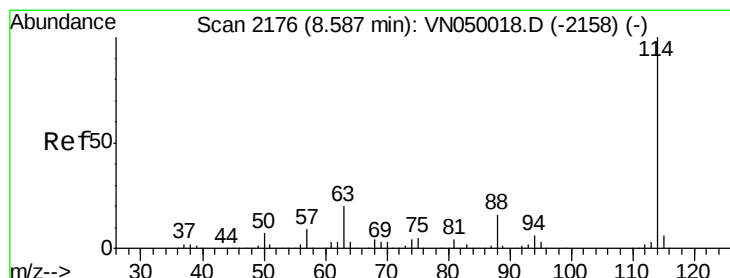
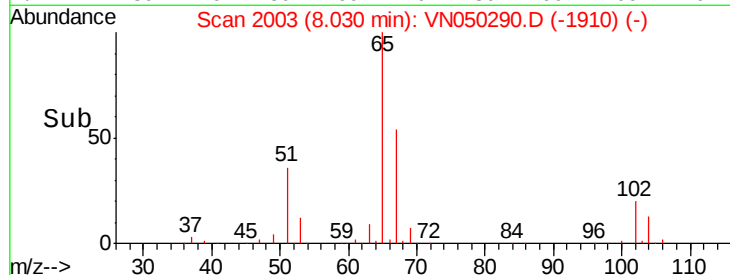
100000

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# 2177

Delta R.T. 0.00 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

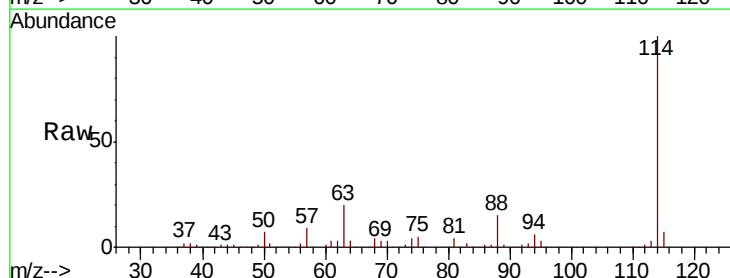
Tgt Ion:114 Resp: 1058918

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 15.4 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

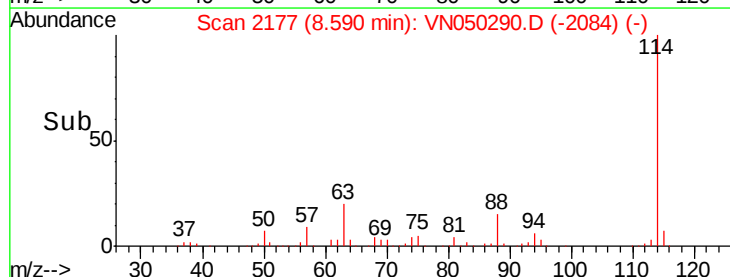
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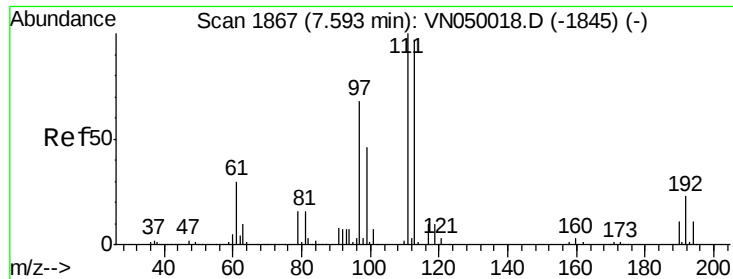
200000

0

8.50 8.60 8.70

Time-->

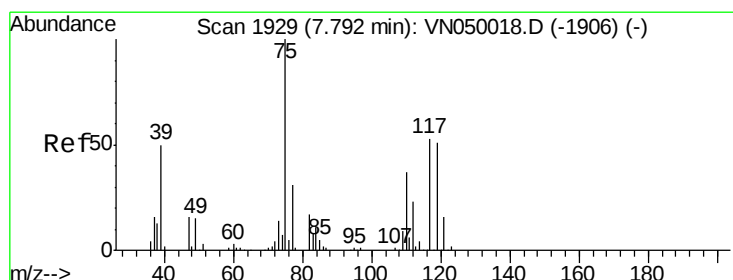
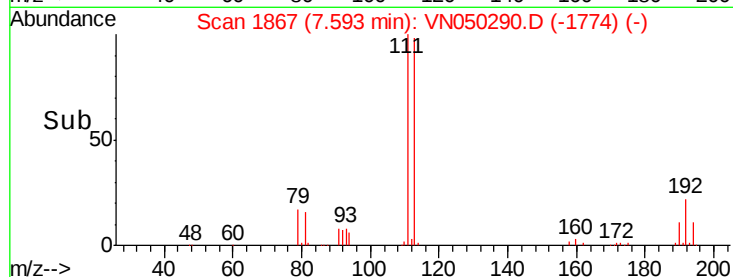
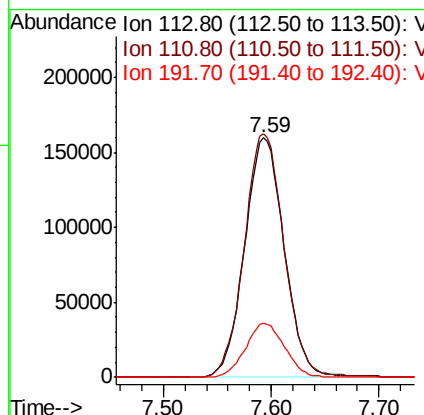
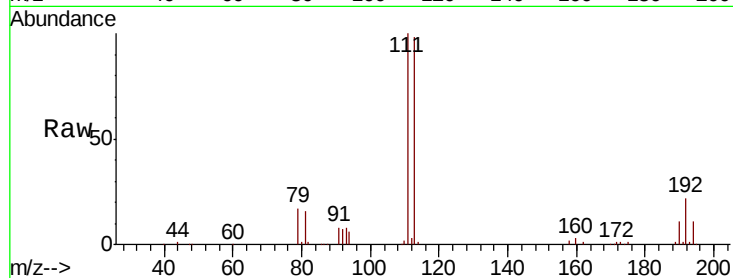




#35
 Dibromofluoromethane
 Concen: 47.01 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050290.D
 Acq: 3 Aug 2018 2:58

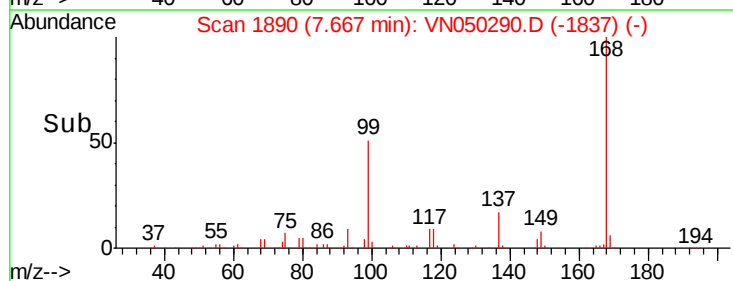
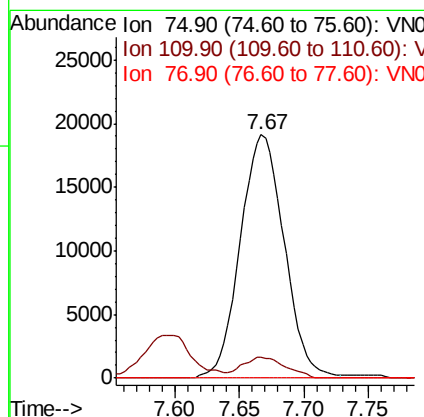
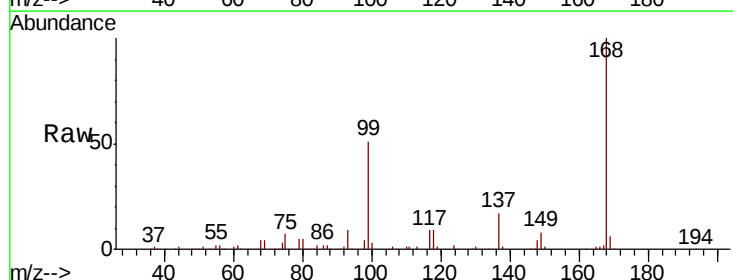
Instrument :
 MSVOA_N
 ClientSampleId :
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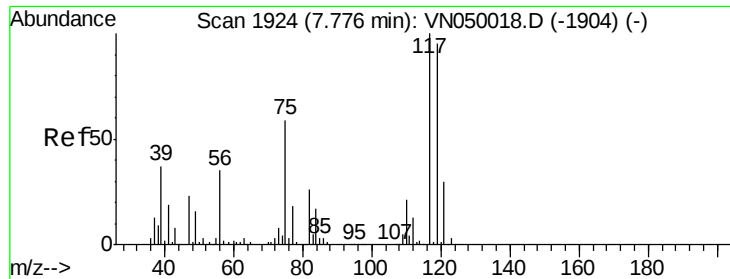
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	22.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050290.D
 Acq: 3 Aug 2018 2:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.4	55.2#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 4.54 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

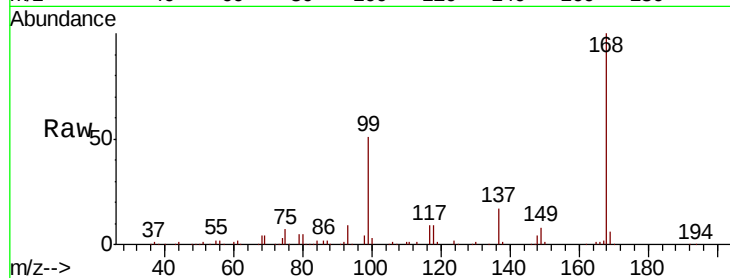
Tot Ion:117 Resp: 57505

Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.0#

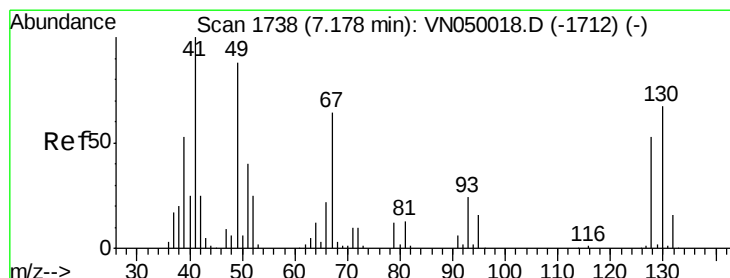
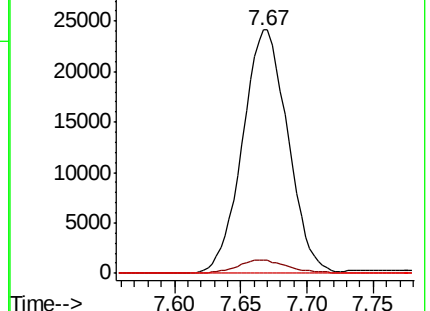
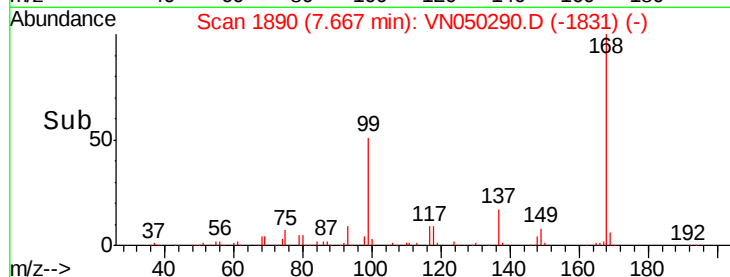
121 0.0 23.9 35.9#



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: 2.78 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.06 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

Tgt Ion: 41 Resp: 162

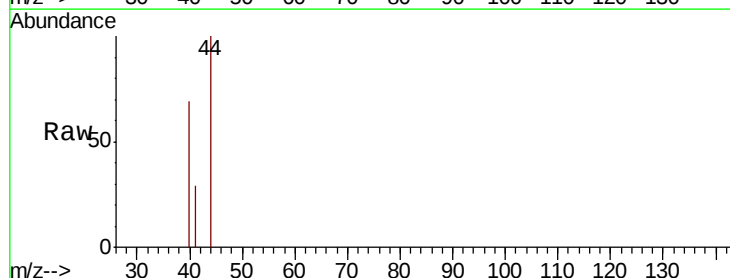
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

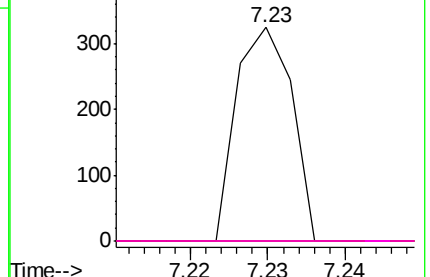
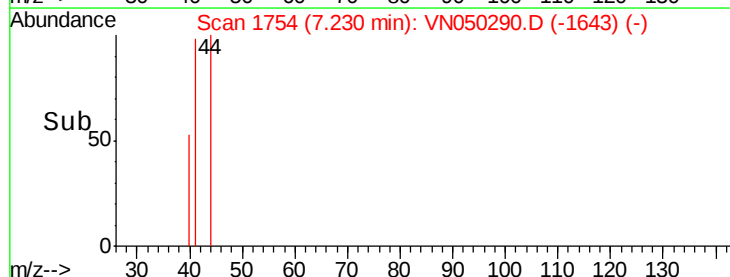


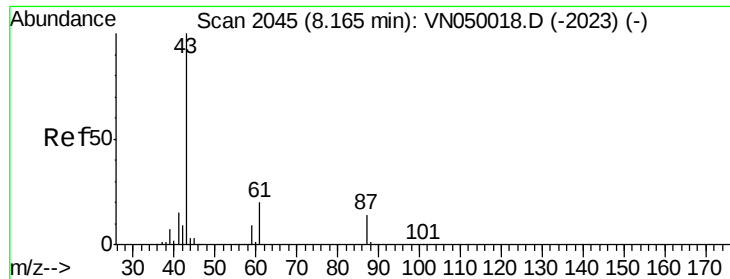
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V



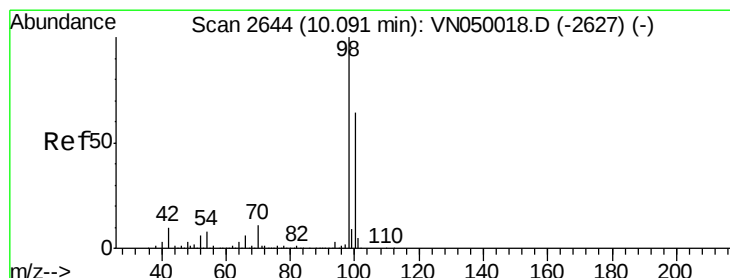
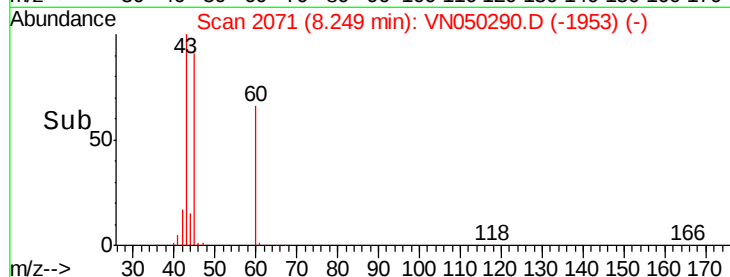
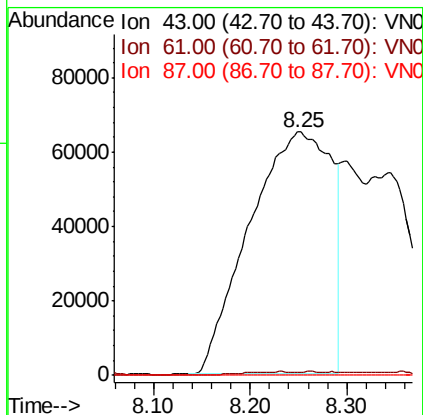
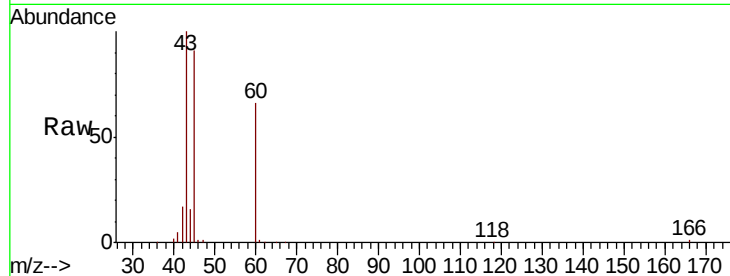


#43

Isopropyl Acetate
 Concen: 23.86 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.08 min
 Lab File: VN050290.D
 Acq: 3 Aug 2018 2:58

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

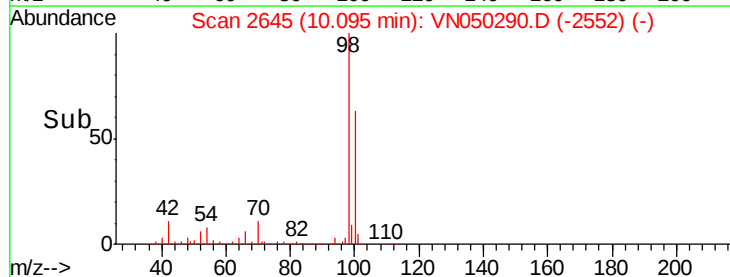
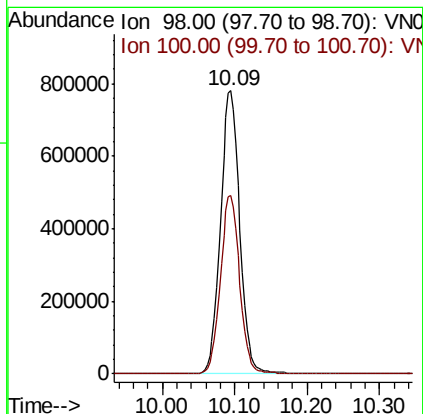
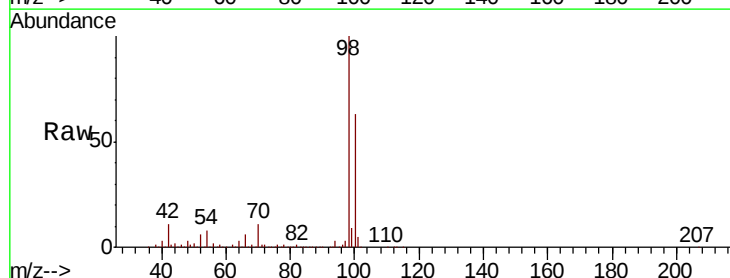
Tot Ion: 43 Resp: 383300
 Ion Ratio Lower Upper
 43 100
 61 0.1 15.8 23.6#
 87 0.0 10.3 15.5#

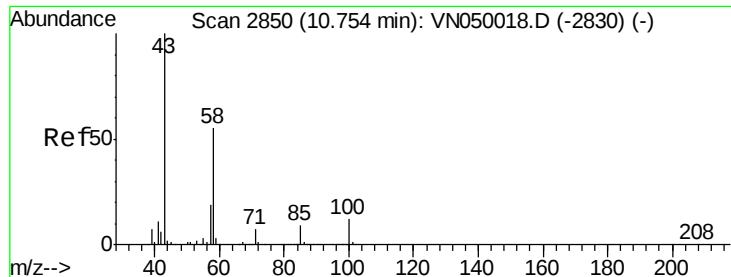


#50

Toluene-d8
 Concen: 45.08 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050290.D
 Acq: 3 Aug 2018 2:58

Tgt Ion: 98 Resp: 1433009
 Ion Ratio Lower Upper
 98 100
 100 62.9 50.7 76.1

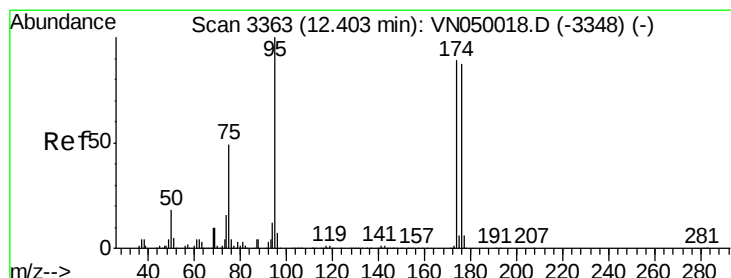
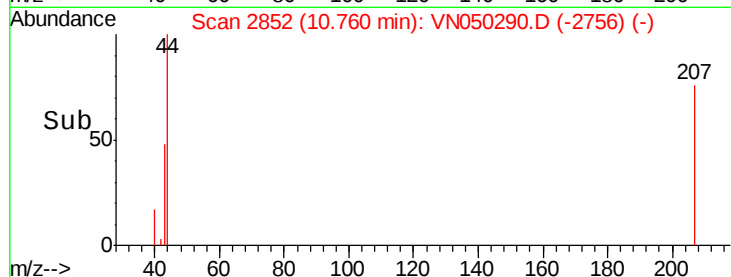
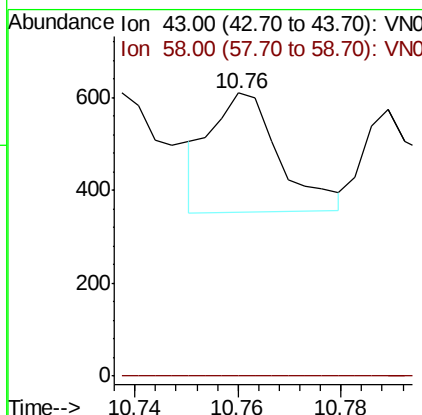
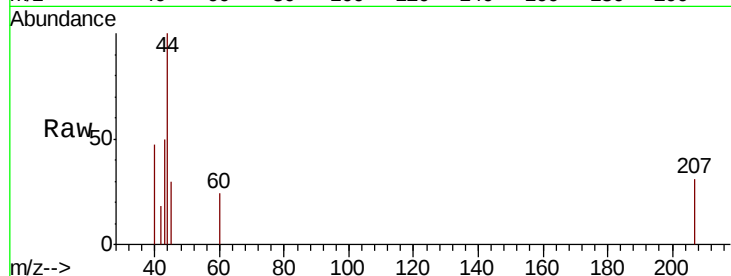




#59
2-Hexanone
Concen: 5.21 ug/l
RT: 10.76 min Scan# 2852
Delta R.T. 0.01 min
Lab File: VN050290.D
Acq: 3 Aug 2018 2:58

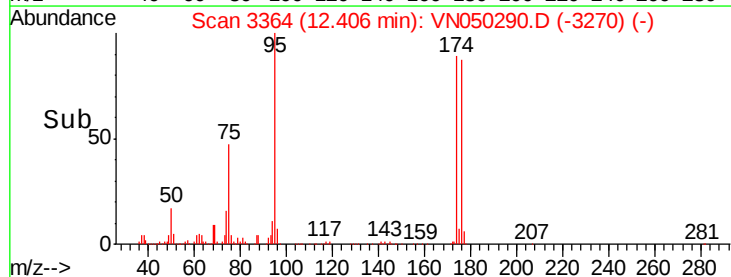
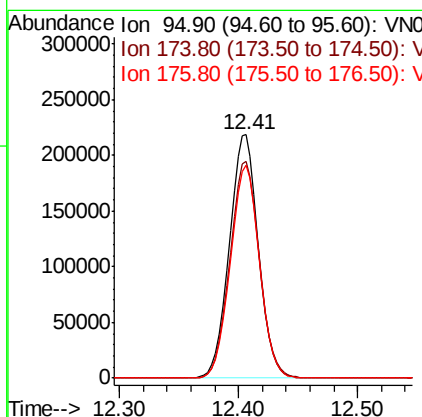
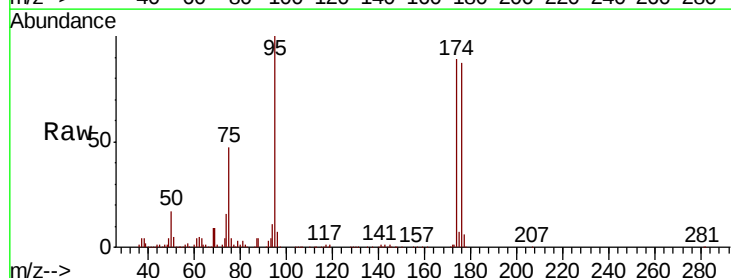
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

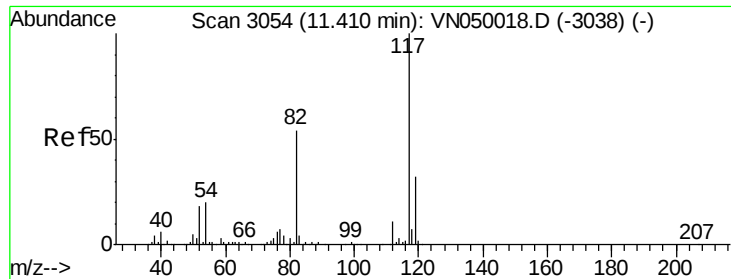
Tot Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 35.13 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN050290.D
Acq: 3 Aug 2018 2:58

Tgt Ion: 95 Resp: 367655
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.2
176 87.9 0.0 173.4

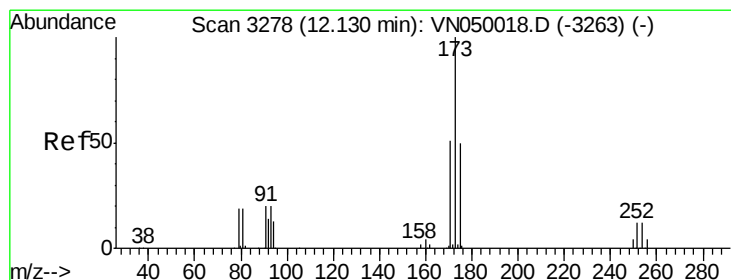
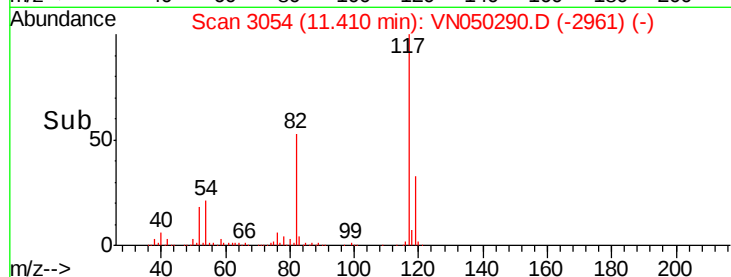
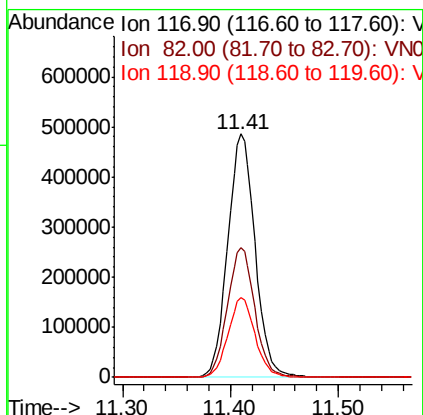
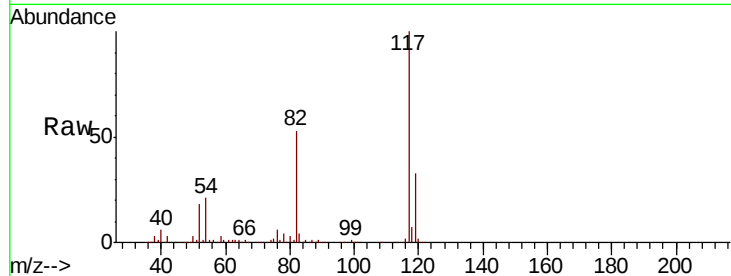




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050290.D
Acq: 3 Aug 2018 2:58

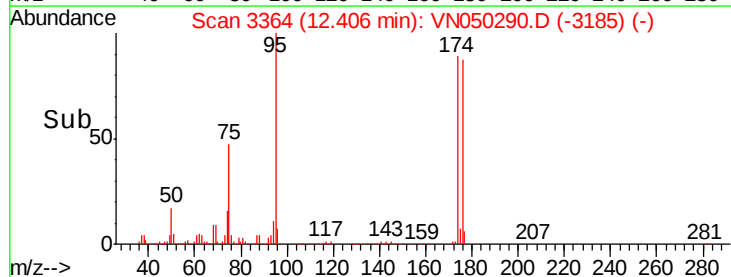
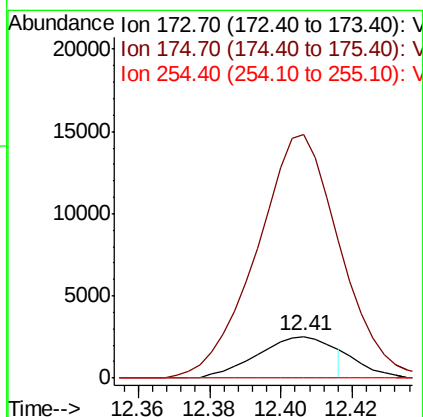
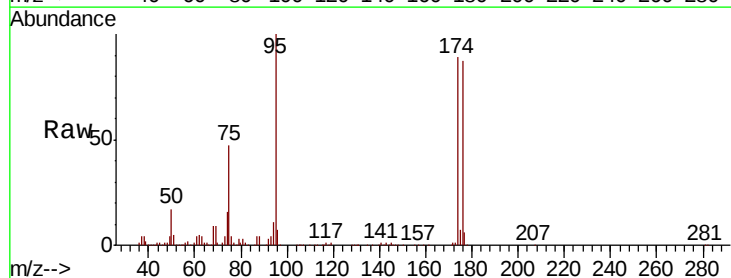
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

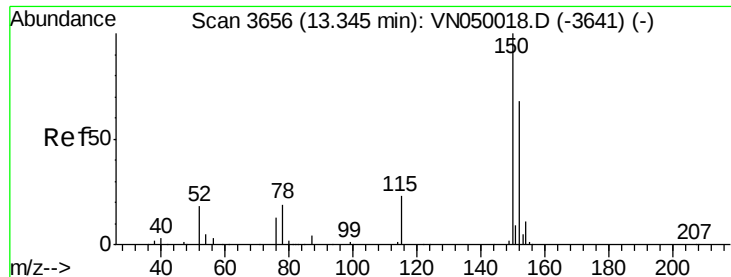
Tot Ion:117 Resp: 857798
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 32.9 26.1 39.1



#71
Bromoform
Concen: 0.61 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050290.D
Acq: 3 Aug 2018 2:58

Tgt Ion:173 Resp: 3700
Ion Ratio Lower Upper
173 100
175 567.0 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

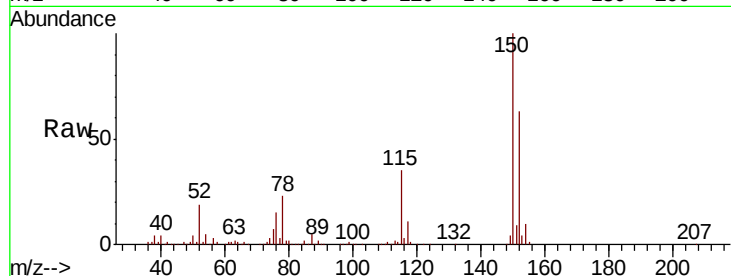
Tot Ion:152 Resp: 286428

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

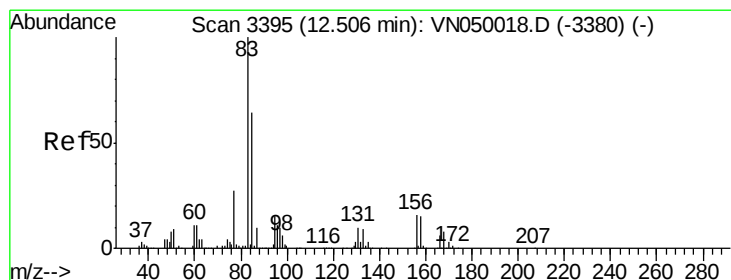
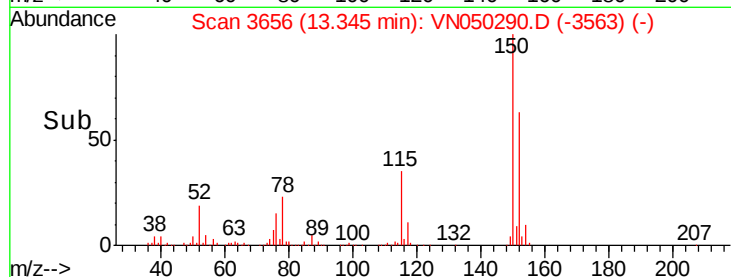
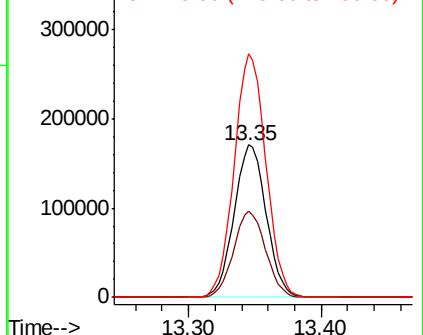
150 158.1 0.0 348.6



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# 3365

Delta R.T. -0.10 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

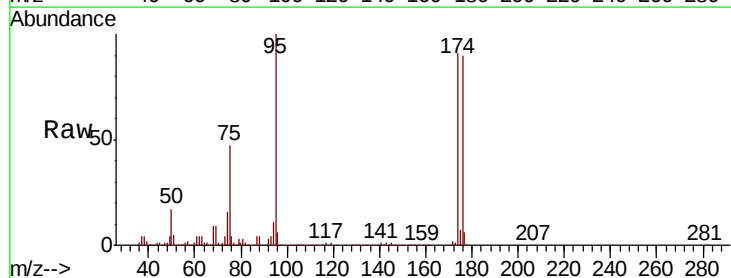
Tgt Ion: 83 Resp: 224

Ion Ratio Lower Upper

83 100

131 162.9 5.1 15.3#

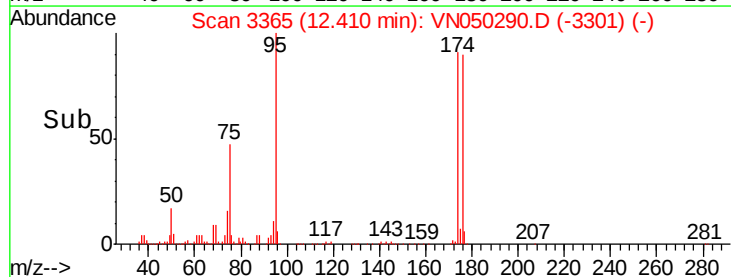
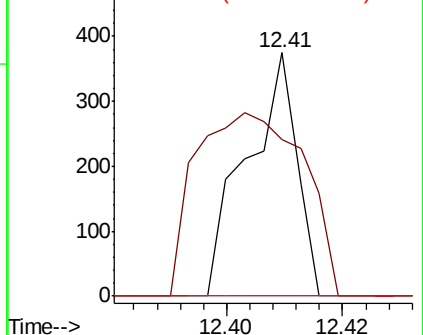
85 0.0 32.3 96.8#

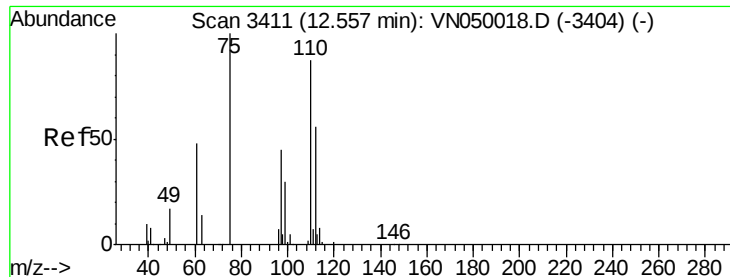


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.16 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

Instrument :

MSVOA_N

ClientSampleId :

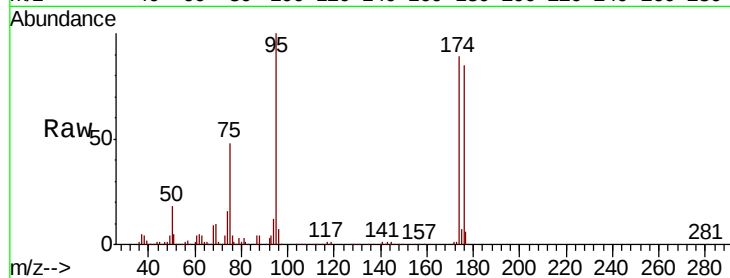
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Tot Ion: 75 Resp: 176503

Ion Ratio Lower Upper

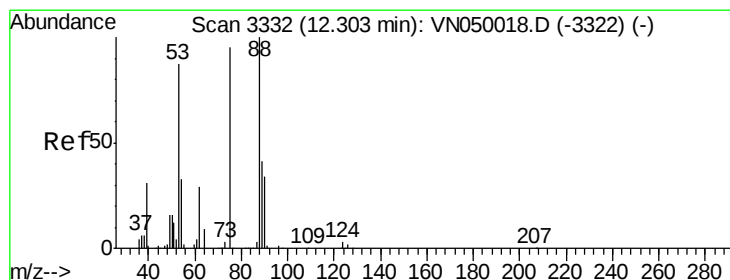
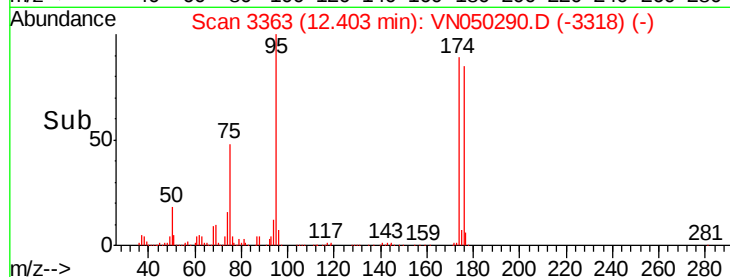
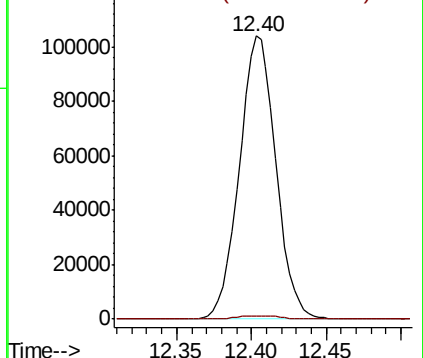
75 100

77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 105.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050290.D

Acq: 3 Aug 2018 2:58

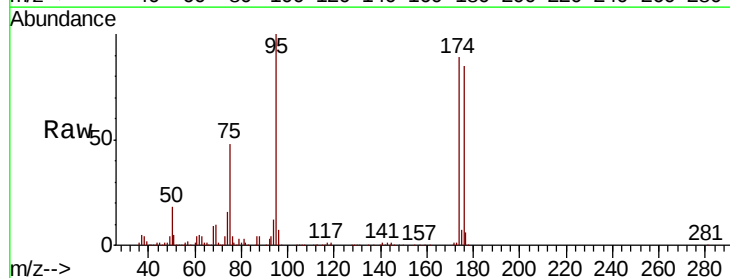
Tgt Ion: 75 Resp: 176503

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

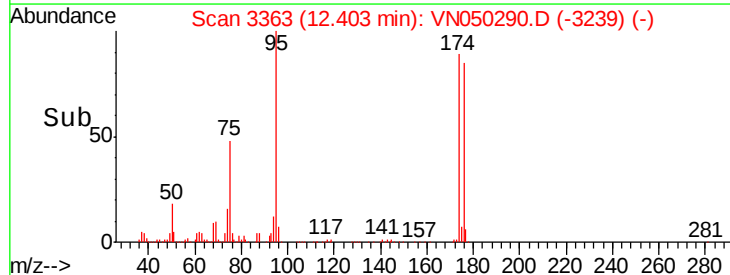
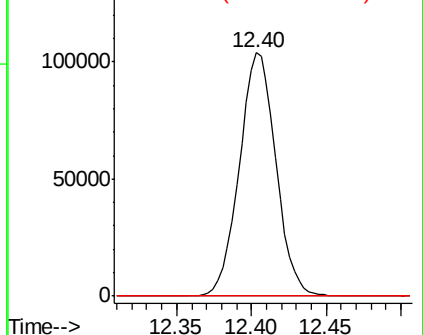
89 0.0 36.0 54.0#

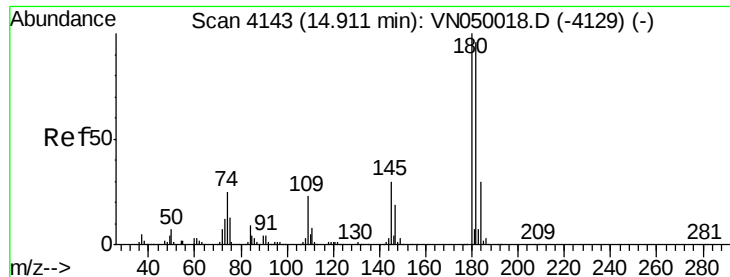


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

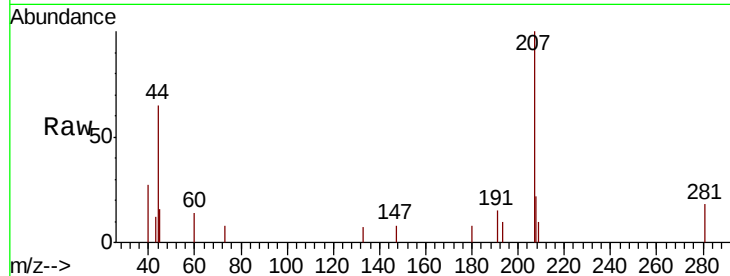




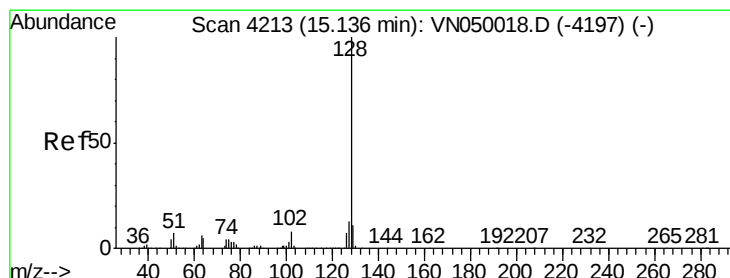
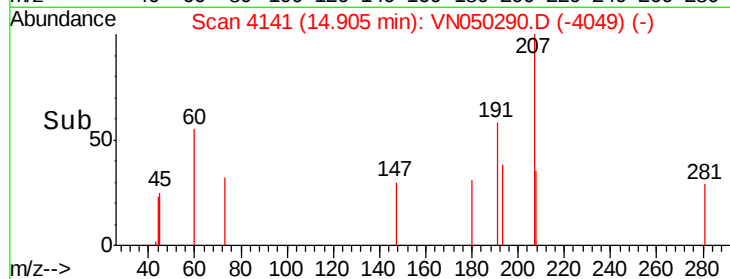
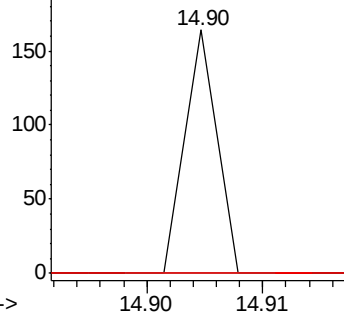
#93
 1,2,4-Trichlorobenzene
 Concen: 3.09 ug/l
 RT: 14.90 min Scan# 4141
 Delta R.T. -0.01 min
 Lab File: VN050290.D
 Acq: 3 Aug 2018 2:58

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Tot Ion:180 Resp: 32
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.1#
 145 0.0 13.8 41.4#

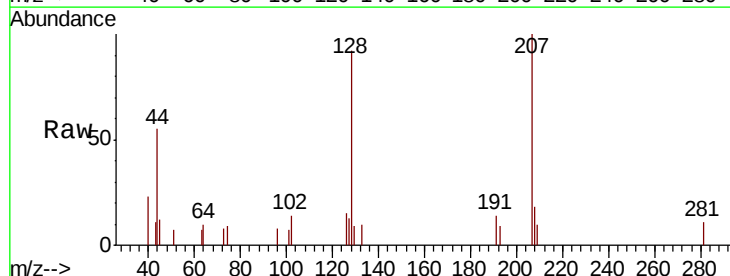


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 4.70 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050290.D
 Acq: 3 Aug 2018 2:58

Tgt Ion:128 Resp: 4097
 Ion Ratio Lower Upper
 128 100
 127 11.4 10.4 15.6
 129 7.0 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

