

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050294.D
 Acq On : 3 Aug 2018 4:37
 Operator : MD\SY
 Sample : J4304-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A15

Quant Time: Aug 03 07:01:04 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	672792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1106579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	922517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	339615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475398	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.59	113	422842	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
50) Toluene-d8	10.09	98	1518501	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
62) 4-Bromofluorobenzene	12.40	95	439532	40.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.38%	

Target Compounds

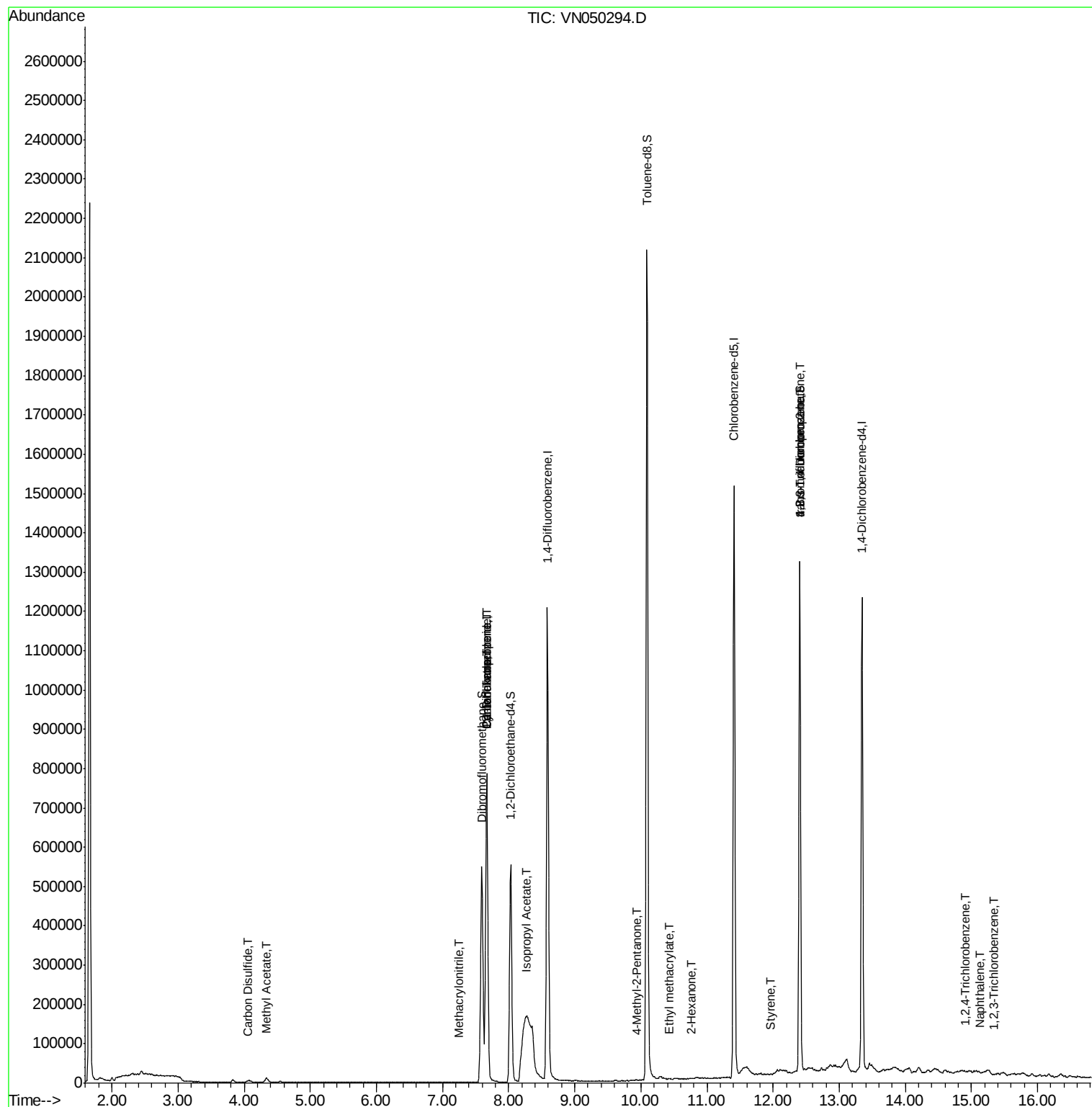
						Qvalue
5) Bromomethane	2.57	94	718	Below Cal		100
17) Carbon Disulfide	4.05	76	4997	0.21 ug/l	#	81
18) Methyl Acetate	4.34	43	22867	1.06 ug/l	#	73
20) Methylene Chloride	4.55	84	1027	Below Cal	#	54
31) Cyclohexane	7.67	56	12587	0.91 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	47945	3.85 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	59821	4.52 ug/l	#	17
41) Methacrylonitrile	7.24	41	129	2.78 ug/l	#	10
43) Isopropyl Acetate	8.26	43	231038	13.27 ug/l	#	61
51) 4-Methyl-2-Pentanone	9.93	43	1717	0.20 ug/l	#	35
56) Ethyl methacrylate	10.41	69	65	2.04 ug/l	#	1
59) 2-Hexanone	10.76	43	457	5.25 ug/l	#	24
70) Styrene	11.97	104	63	0.93 ug/l	#	25
75) 1,1,2,2-Tetrachloroethane	12.50	83	144	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	211607	33.53 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	211607	106.34 ug/l	#	13
92) 1,2-Dibromo-3-Chloropropan	14.44	75	100	Below Cal		69
93) 1,2,4-Trichlorobenzene	14.91	180	69	3.10 ug/l	#	1
95) Naphthalene	15.13	128	1077	4.48 ug/l	#	81
96) 1,2,3-Trichlorobenzene	15.33	180	62	2.21 ug/l	#	1

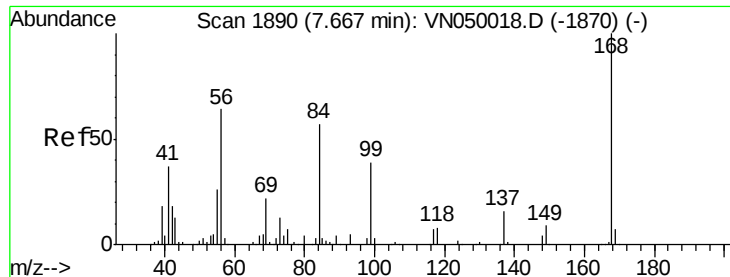
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080218\
Data File : VN050294.D
Acq On : 3 Aug 2018 4:37
Operator : MD\SY
Sample : J4304-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-A15

Quant Time: Aug 03 07:01:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
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# 1890

Delta R.T. -0.00 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

Instrument :

MSVOA_N

ClientSampled :

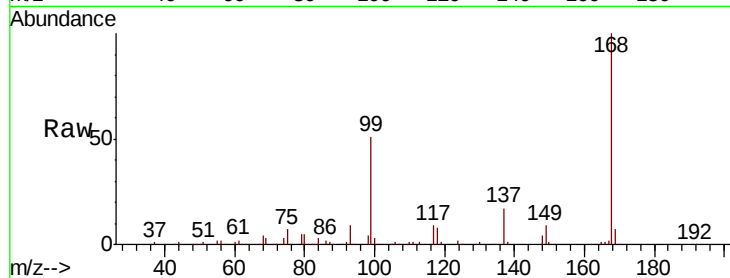
MW-A15

Tot Ion:168 Resp: 672792

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): VNO

7.67

300000

250000

200000

150000

100000

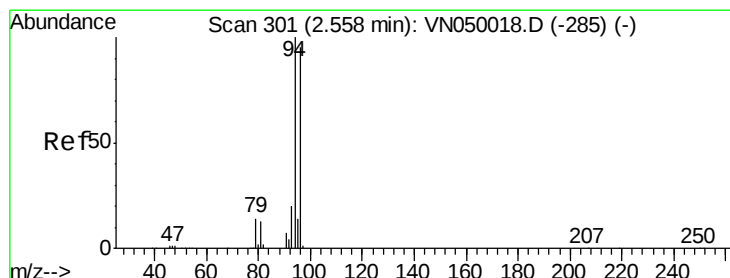
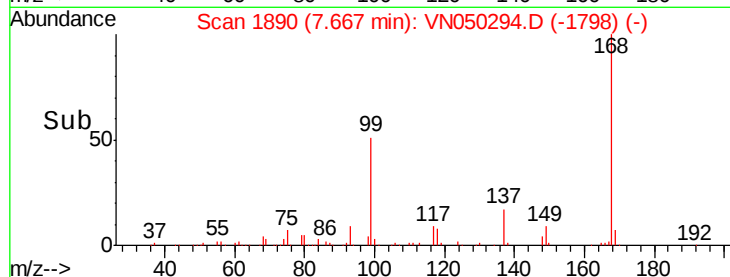
50000

0

7.60

7.70

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050294.D

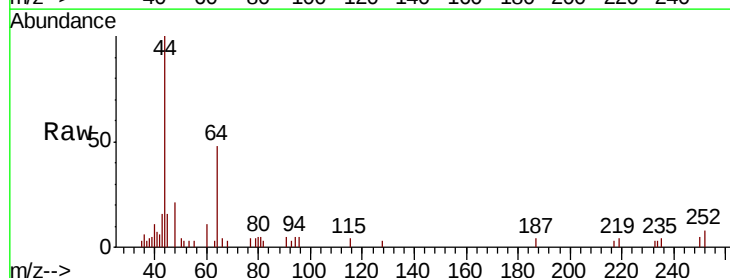
Acq: 3 Aug 2018 4:37

Tgt Ion: 94 Resp: 718

Ion Ratio Lower Upper

94 100

96 93.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

300

200

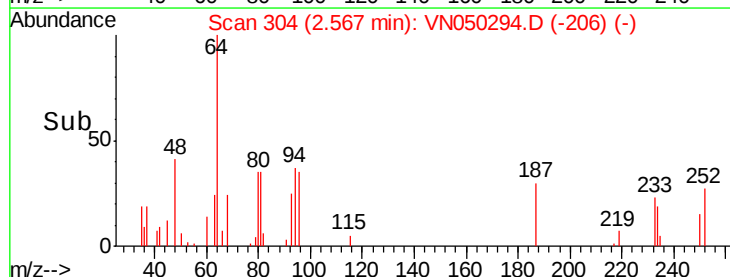
100

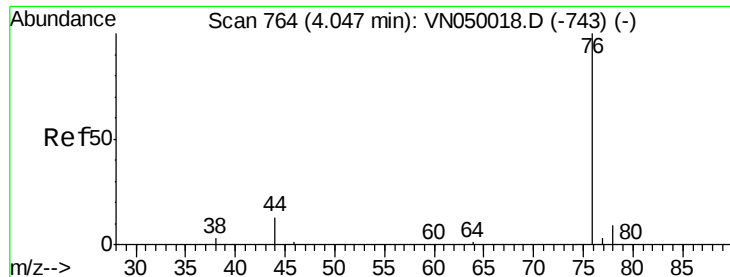
0

2.55

2.60

Time-->

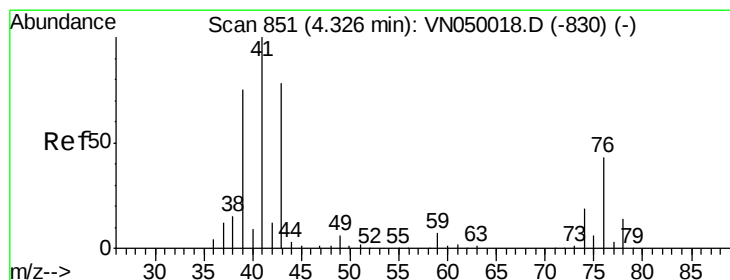
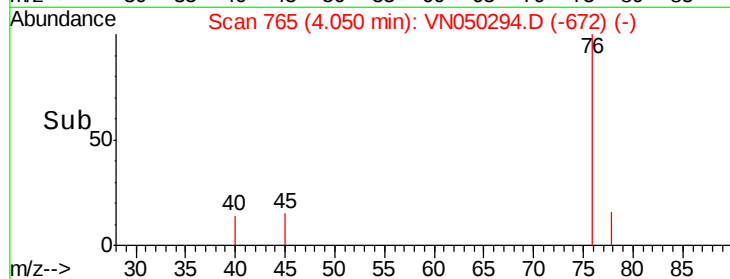
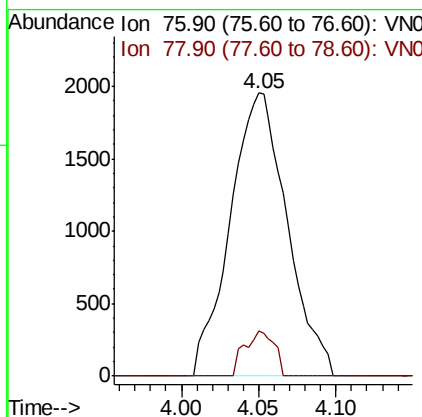
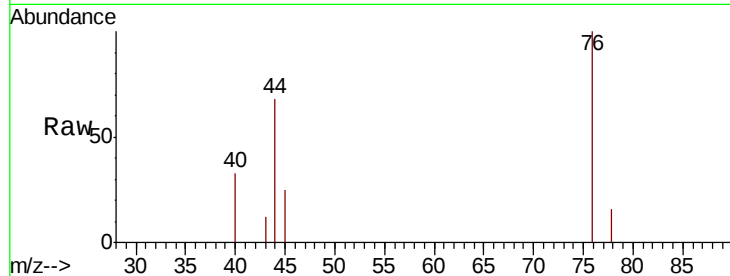




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050294.D
Acq: 3 Aug 2018 4:37

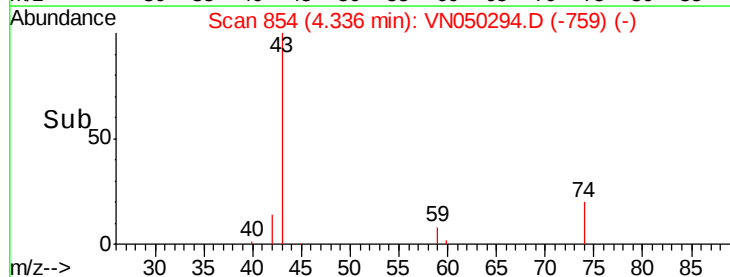
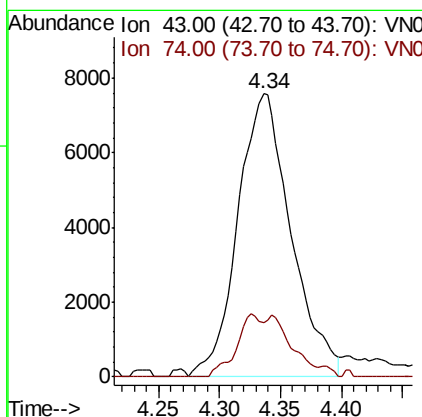
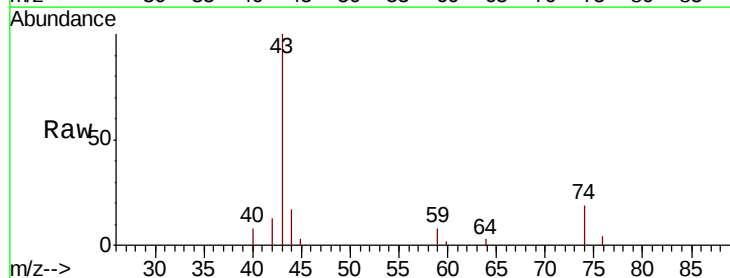
Instrument :
MSVOA_N
ClientSampled :
MW-A15

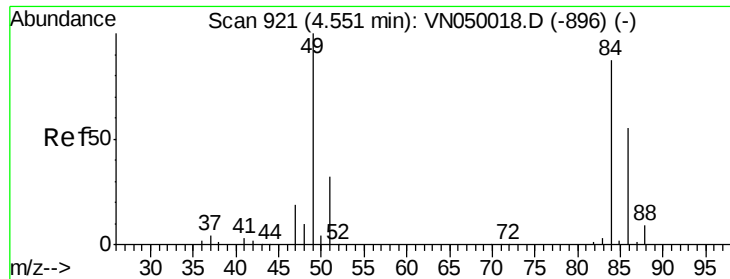
Tot Ion: 76 Resp: 4997
Ion Ratio Lower Upper
76 100
78 16.0 7.3 10.9#



#18
Methyl Acetate
Concen: 1.06 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050294.D
Acq: 3 Aug 2018 4:37

Tgt Ion: 43 Resp: 22867
Ion Ratio Lower Upper
43 100
74 10.9 19.2 28.8#

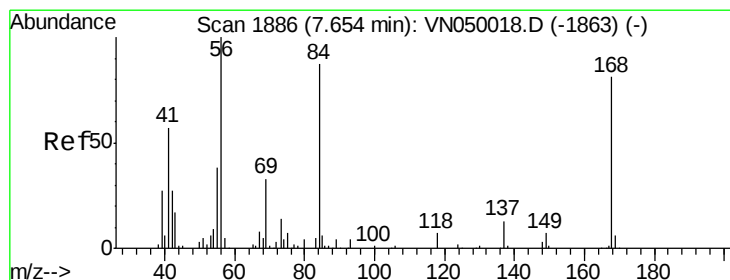
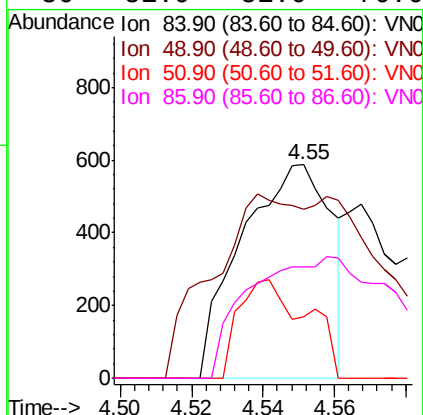
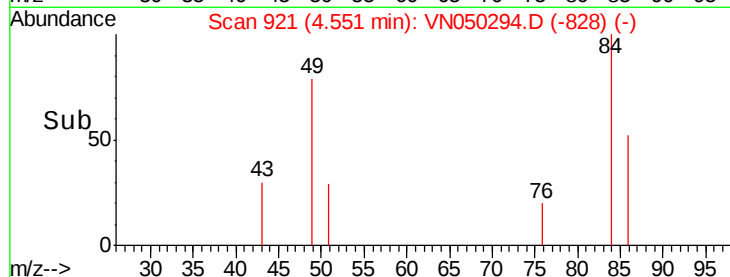
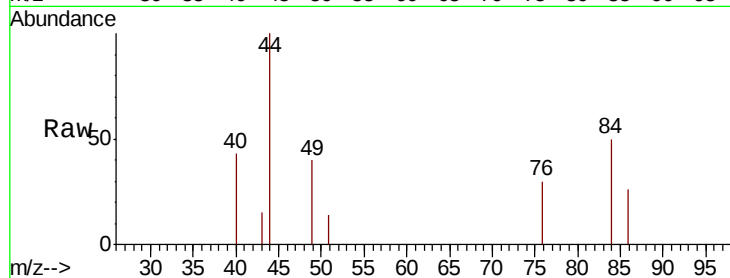




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050294.D
Acq: 3 Aug 2018 4:37

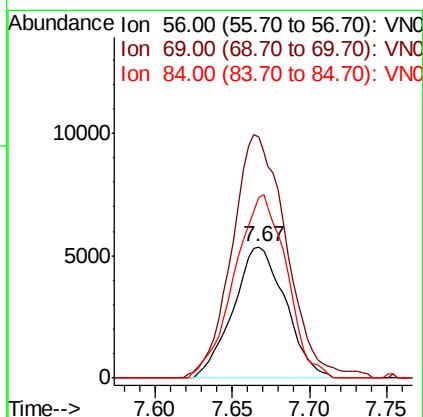
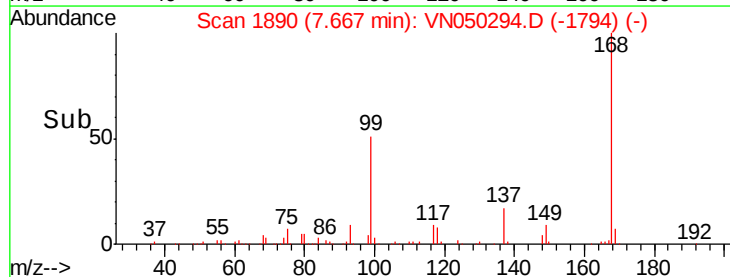
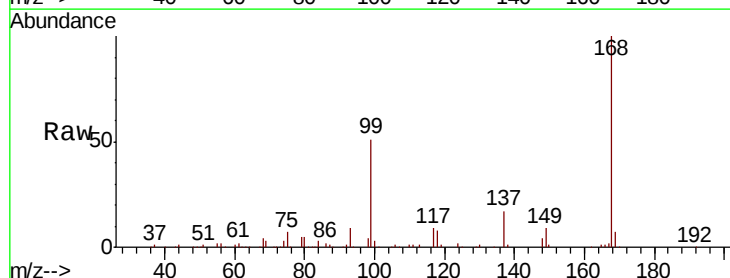
Instrument :
MSVOA_N
ClientSampleId :
MW-A15

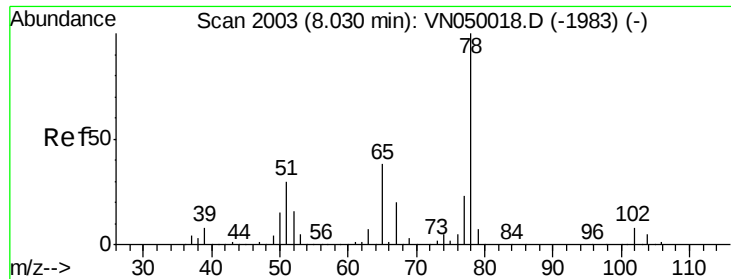
Tot Ion: 84 Resp: 1027
Ion Ratio Lower Upper
84 100
49 37.2 94.8 142.2#
51 28.7 28.3 42.5
86 51.9 51.0 76.6



#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050294.D
Acq: 3 Aug 2018 4:37

Tgt Ion: 56 Resp: 12587
Ion Ratio Lower Upper
56 100
69 180.1 26.2 39.4#
84 137.7 67.4 101.0#

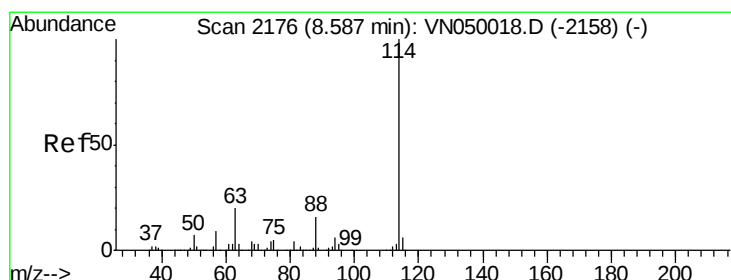
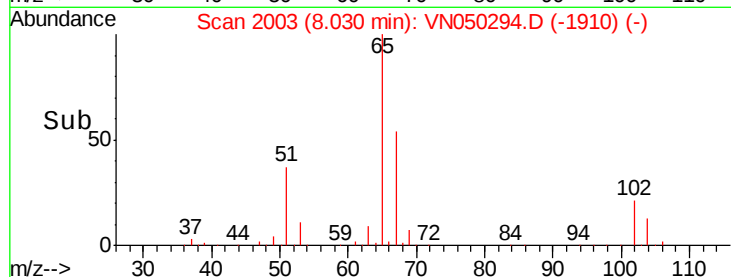
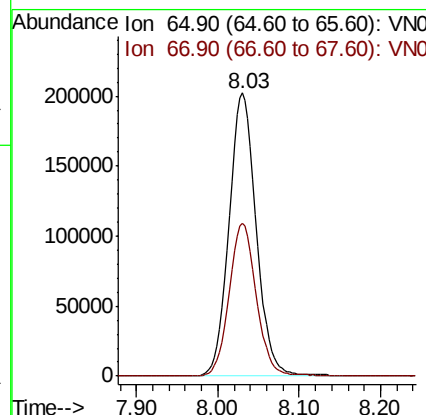
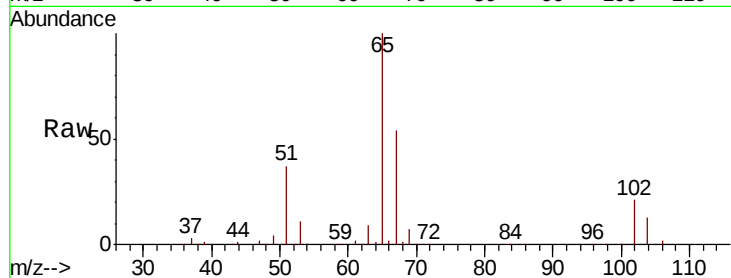




#33
 1,2-Dichloroethane-d4
 Concen: 50.64 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050294.D
 Acq: 3 Aug 2018 4:37

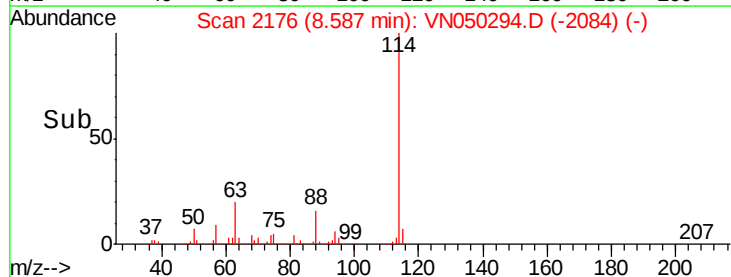
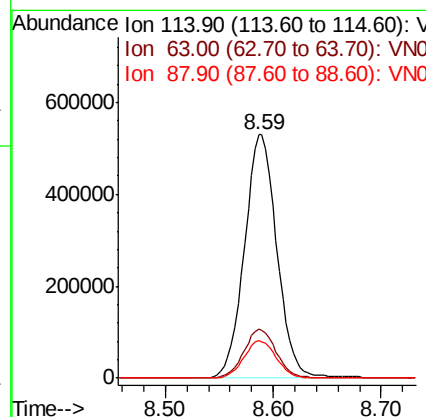
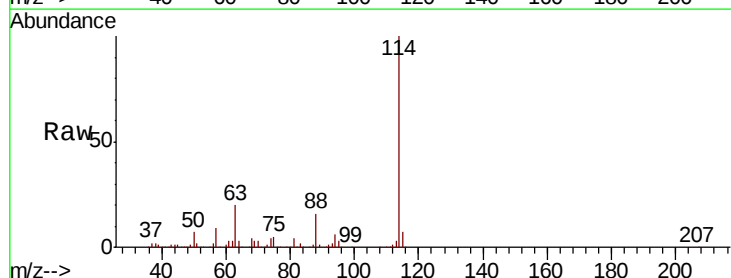
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A15

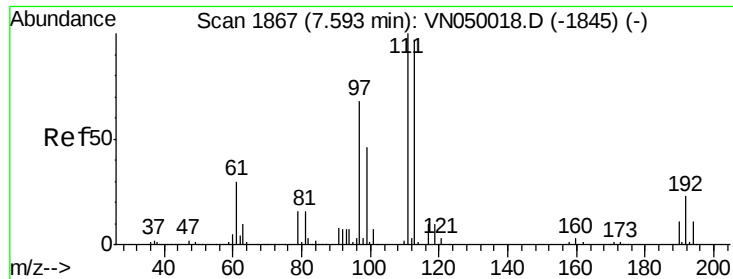
Tot Ion: 65 Resp: 475398
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050294.D
 Acq: 3 Aug 2018 4:37

Tgt Ion: 114 Resp: 1106579
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.5 0.0 31.2

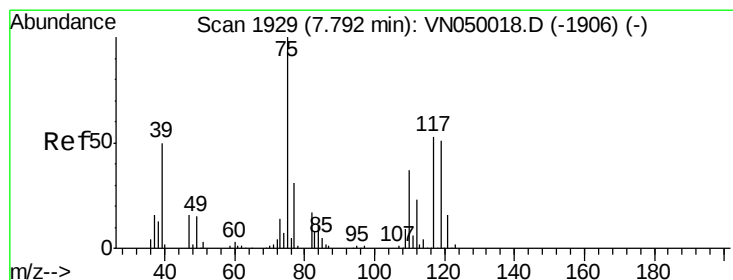
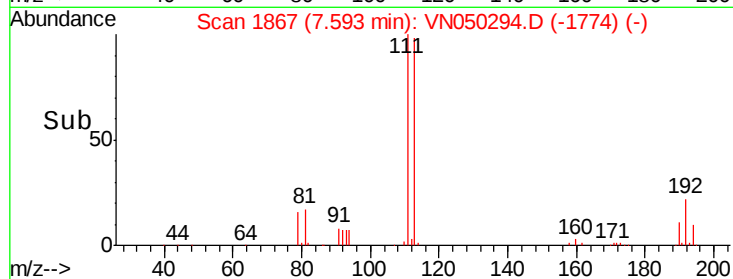
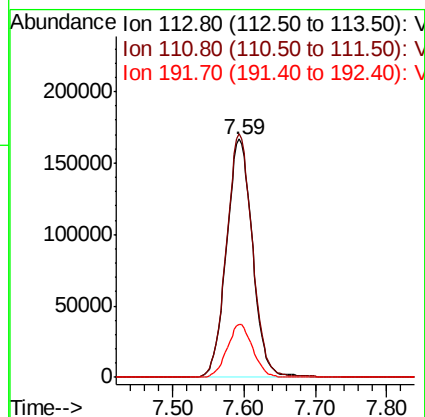
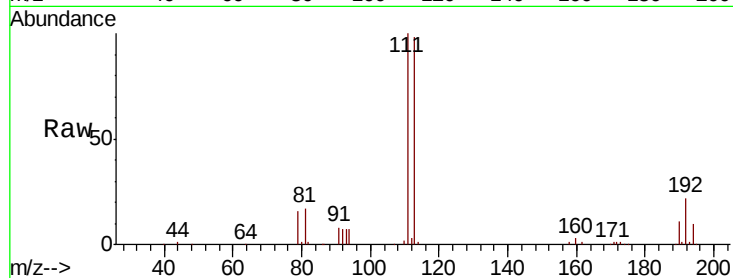




#35
 Dibromofluoromethane
 Concen: 46.80 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050294.D
 Acq: 3 Aug 2018 4:37

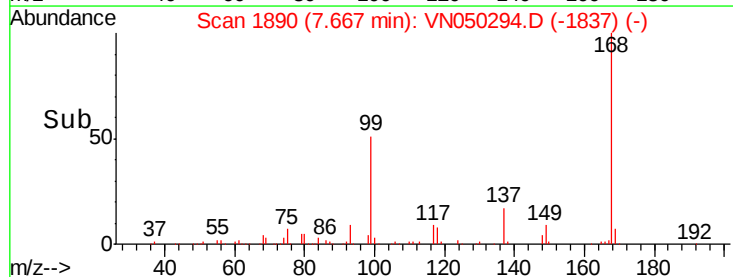
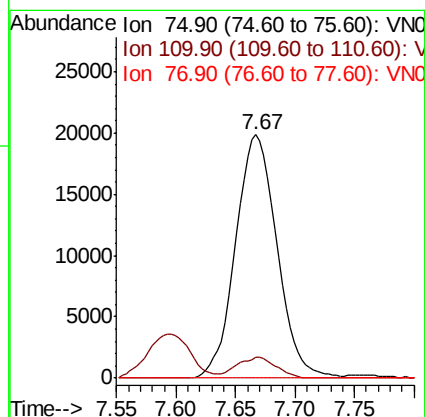
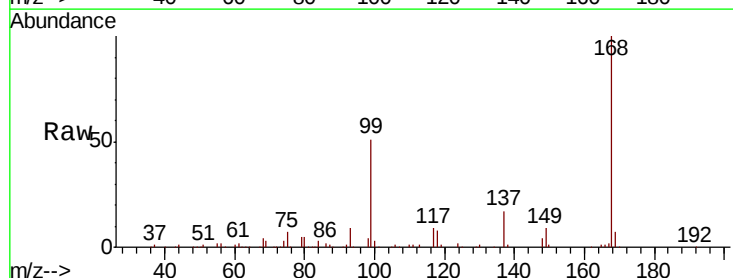
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A15

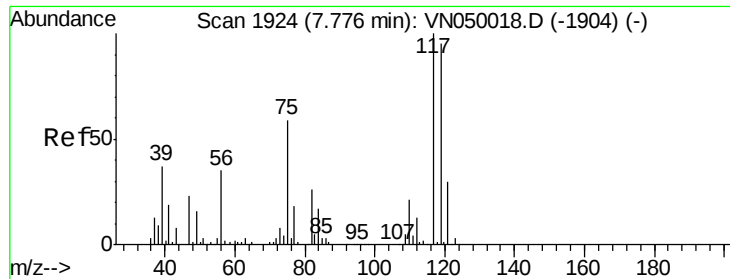
Tot Ion:113 Resp: 422842
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.7 121.1
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050294.D
 Acq: 3 Aug 2018 4:37

Tgt Ion: 75 Resp: 47945
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.52 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

MW-A15

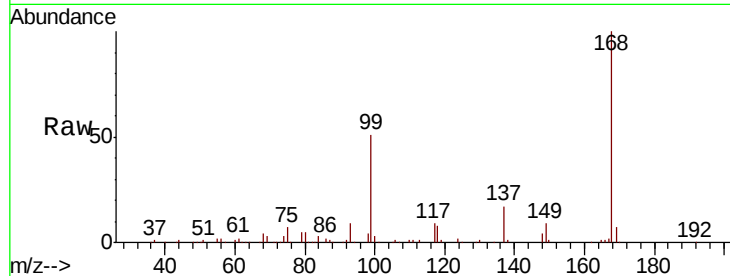
Tot Ion:117 Resp: 59821

Ion Ratio Lower Upper

117 100

119 7.0 77.4 116.0#

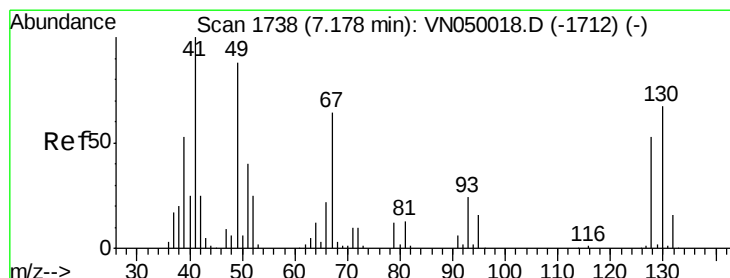
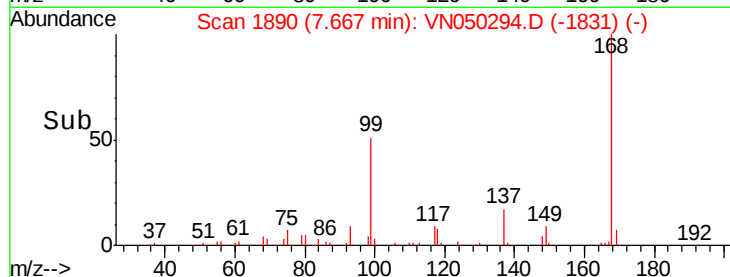
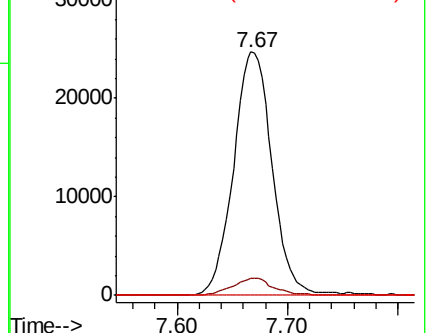
121 0.0 23.9 35.9#



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: 7.24 min Scan# 1757

Delta R.T. 0.07 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

Tgt Ion: 41 Resp: 129

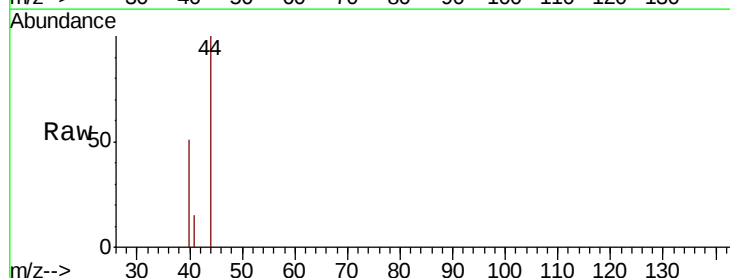
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

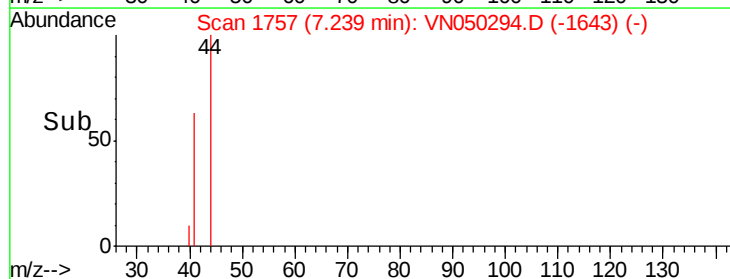
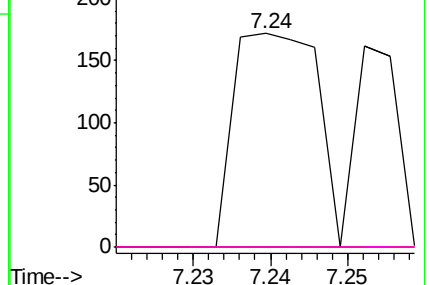


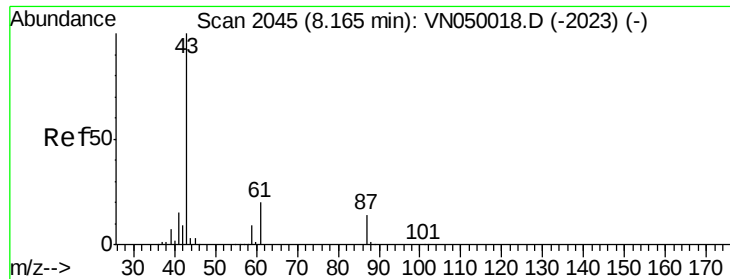
Abundance Ion 41.00 (40.70 to 41.70): VNO

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



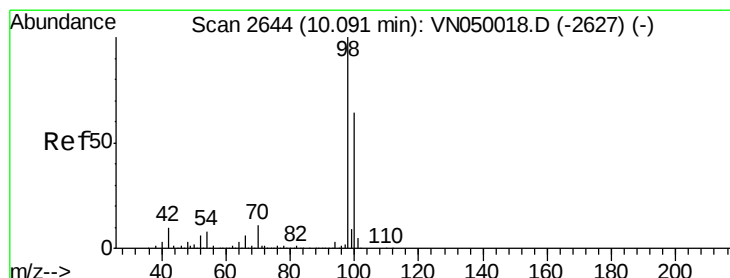
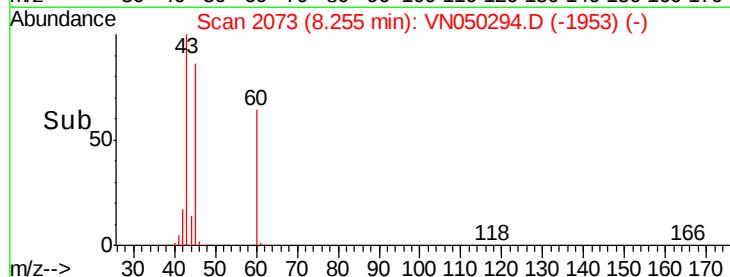
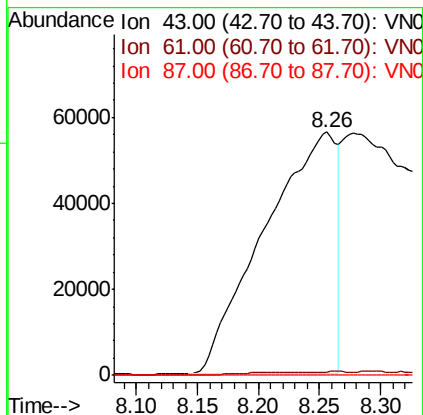
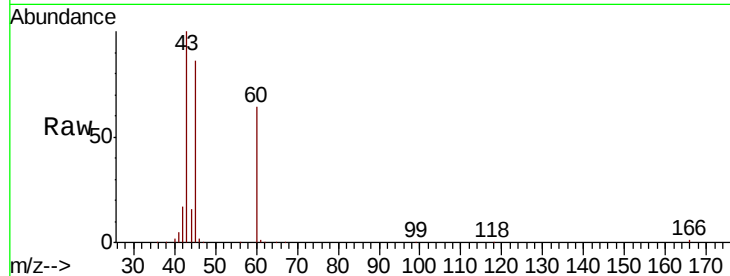


#43

Isopropyl Acetate
 Concen: 13.27 ug/l
 RT: 8.26 min Scan# 2073
 Delta R.T. 0.09 min
 Lab File: VN050294.D
 Acq: 3 Aug 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A15

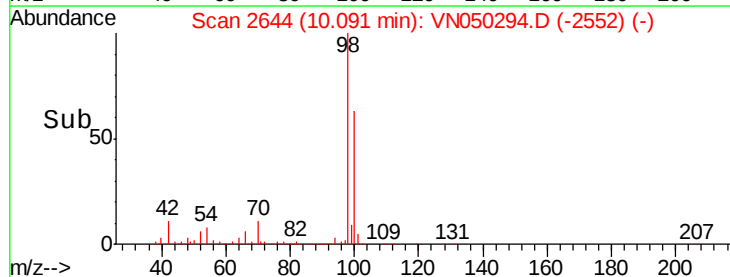
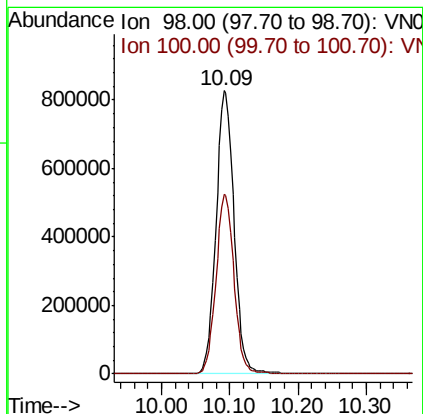
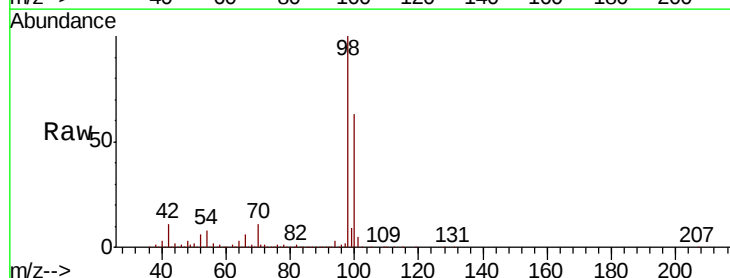
Tot Ion: 43 Resp: 231038
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.8 23.6#
 87 0.0 10.3 15.5#

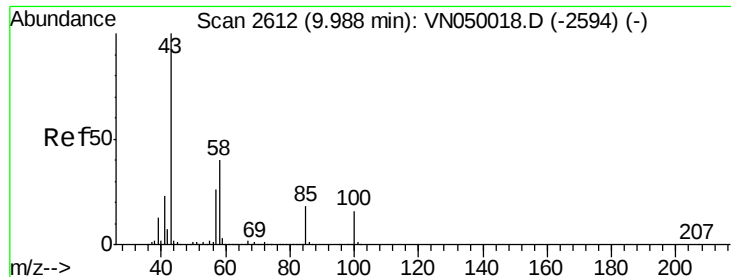


#50

Toluene-d8
 Concen: 45.72 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050294.D
 Acq: 3 Aug 2018 4:37

Tgt Ion: 98 Resp: 1518501
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 9.93 min Scan# 2594

Delta R.T. -0.06 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

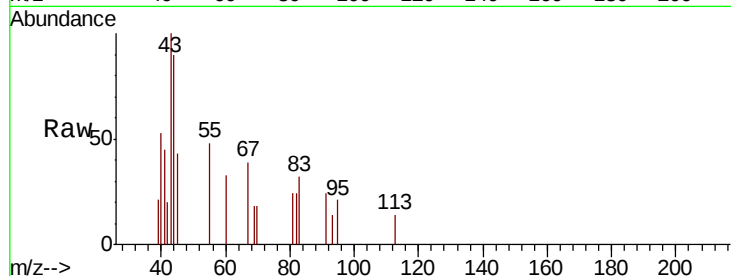
MW-A15

Tot Ion: 43 Resp: 1717

Ion Ratio Lower Upper

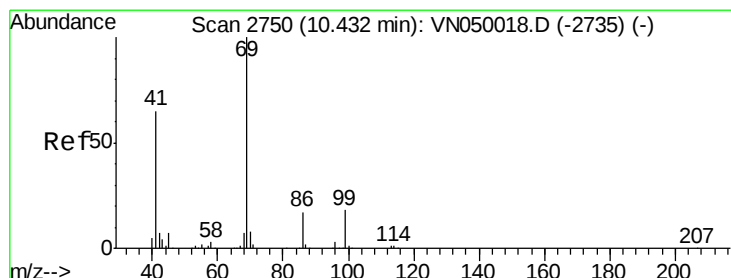
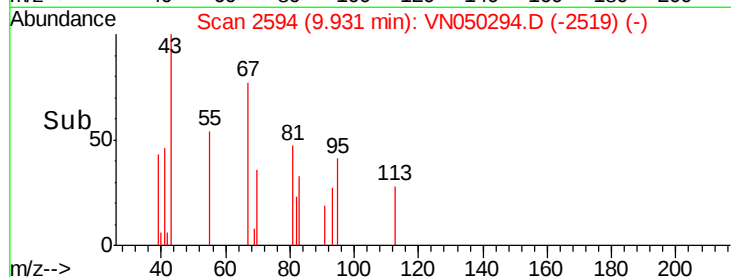
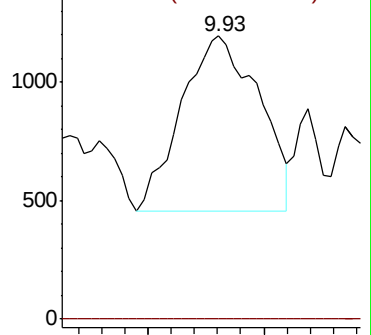
43 100

58 0.0 31.9 47.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 2.04 ug/l

RT: 10.41 min Scan# 2744

Delta R.T. -0.02 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

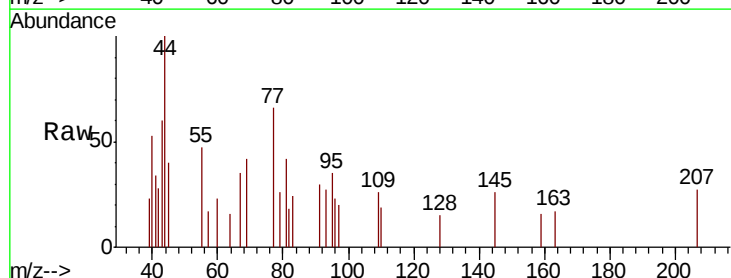
Tgt Ion: 69 Resp: 65

Ion Ratio Lower Upper

69 100

41 356.9 51.0 76.4#

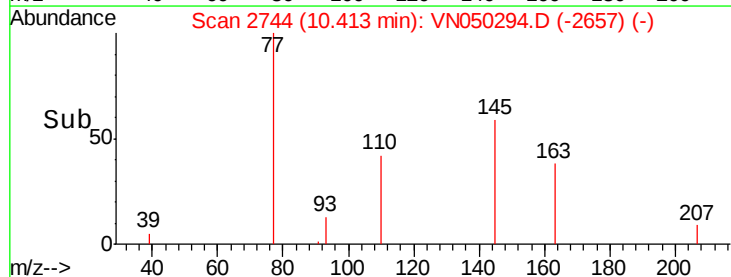
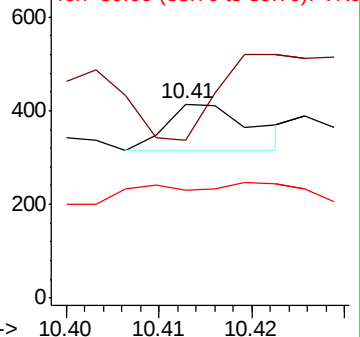
39 0.0 26.6 40.0#

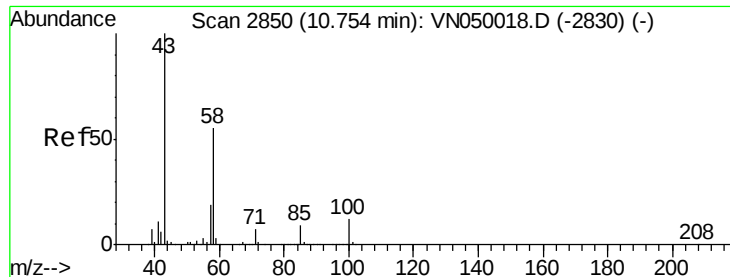


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

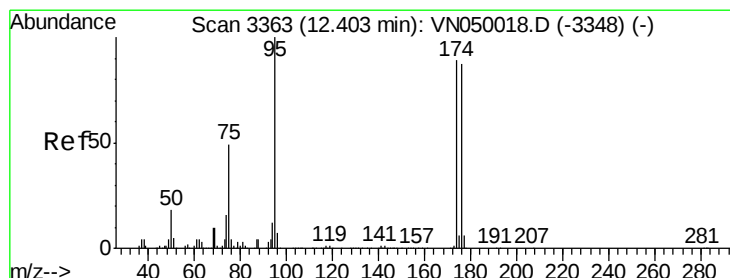
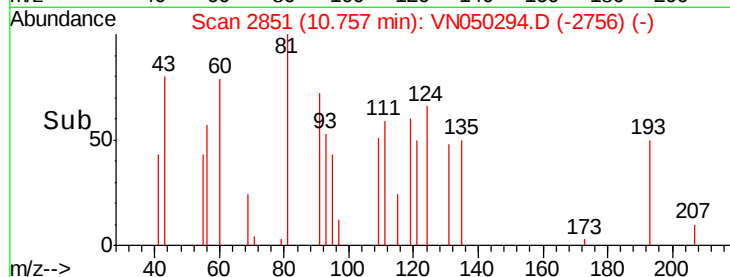
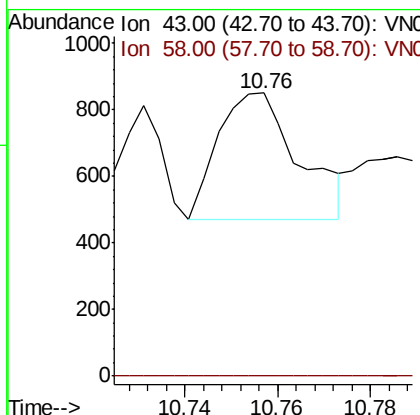
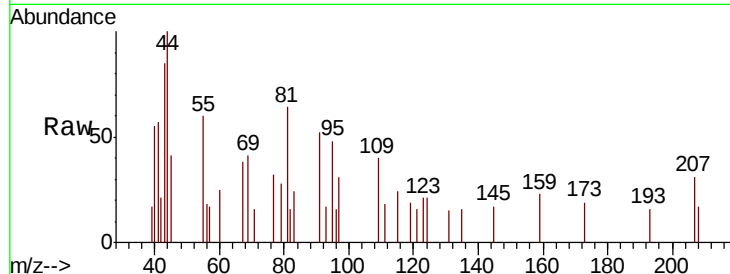




#59
2-Hexanone
Concen: 5.25 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050294.D
Acq: 3 Aug 2018 4:37

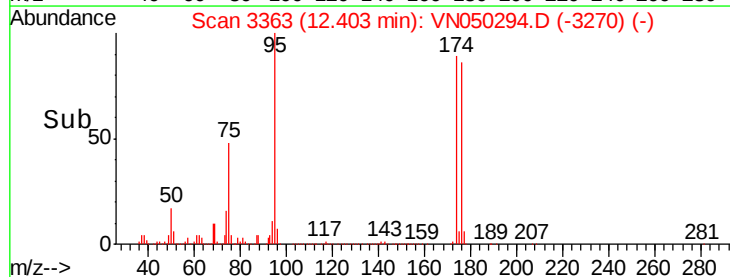
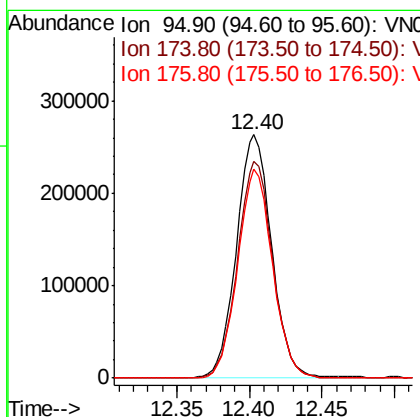
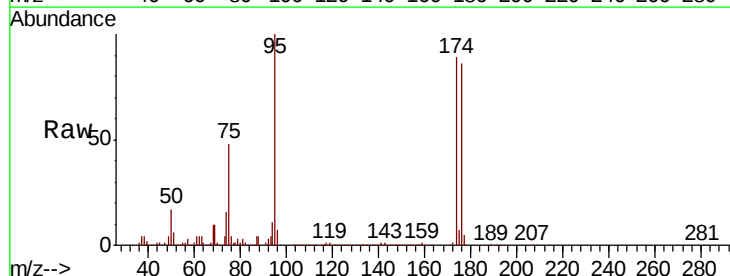
Instrument :
MSVOA_N
ClientSampled :
MW-A15

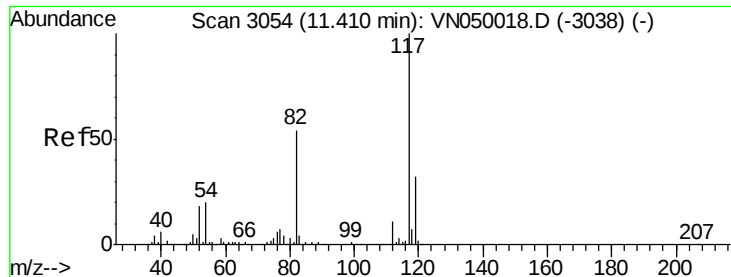
Tot Ion: 43 Resp: 457
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 40.19 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050294.D
Acq: 3 Aug 2018 4:37

Tgt Ion: 95 Resp: 439532
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.2
176 85.8 0.0 173.4

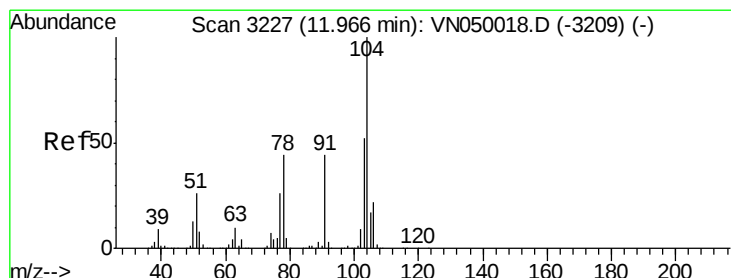
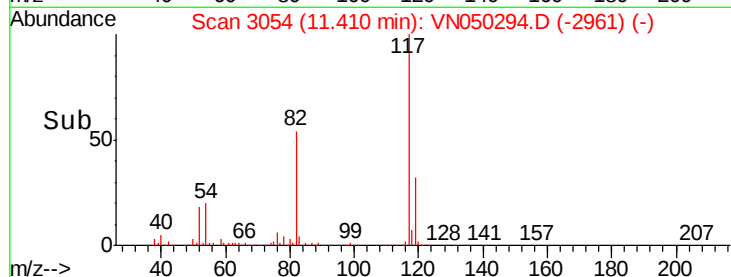
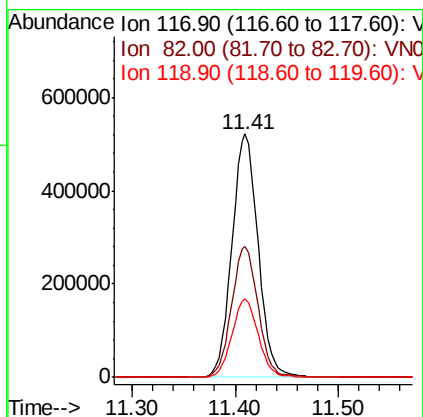
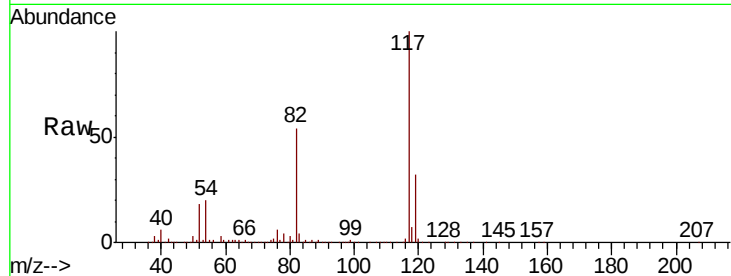




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050294.D
Acq: 3 Aug 2018 4:37

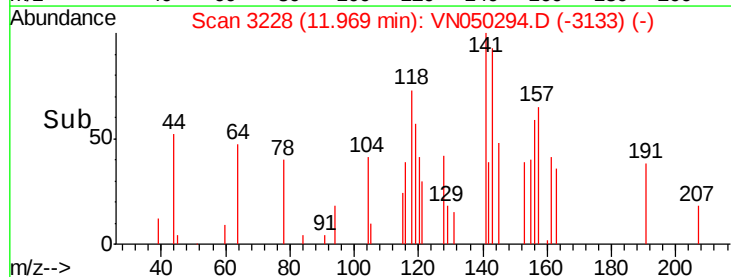
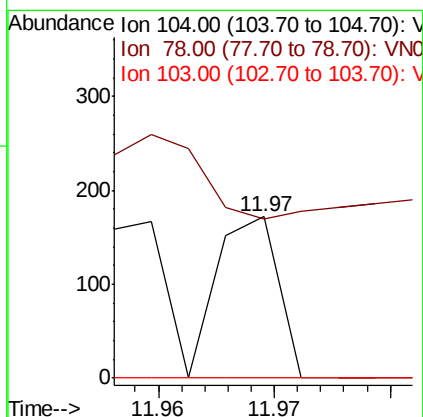
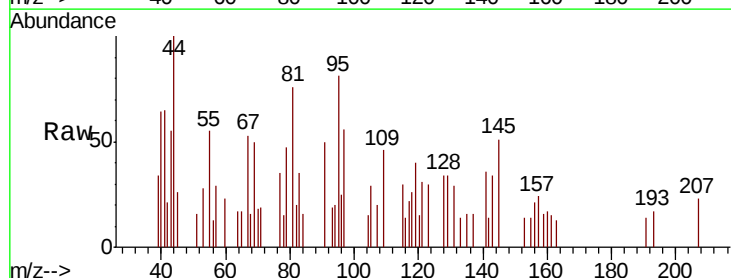
Instrument :
MSVOA_N
ClientSampleId :
MW-A15

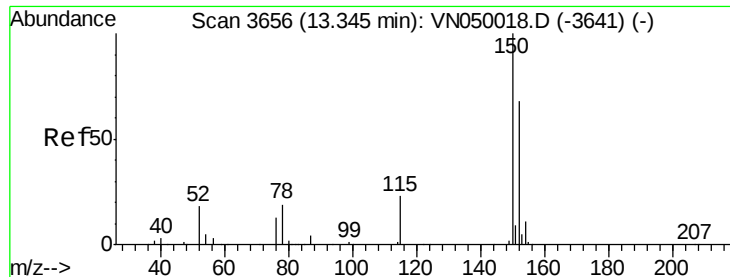
Tot Ion:117 Resp: 922517
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.2 26.1 39.1



#70
Styrene
Concen: 0.93 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VN050294.D
Acq: 3 Aug 2018 4:37

Tgt Ion:104 Resp: 63
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 0.0 45.0 67.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

Instrument :

MSVOA_N

ClientSampled :

MW-A15

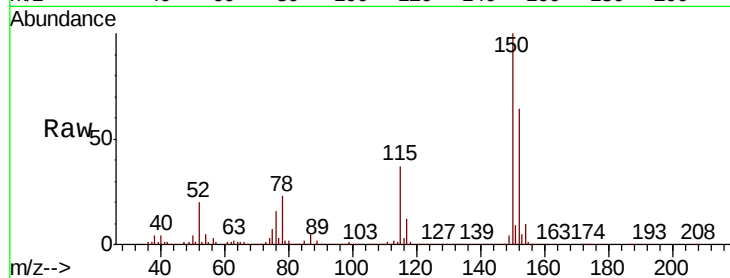
Tot Ion:152 Resp: 339615

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

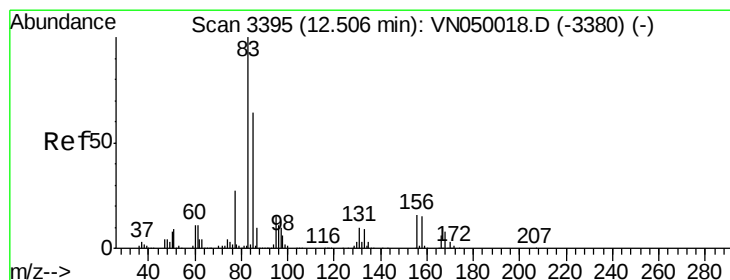
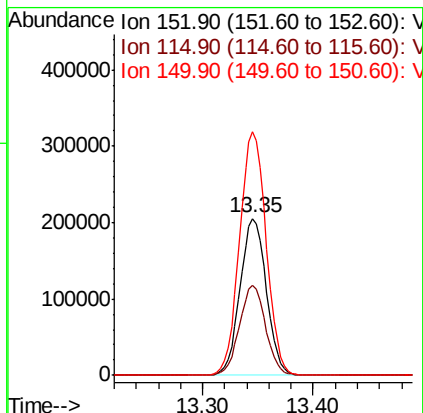
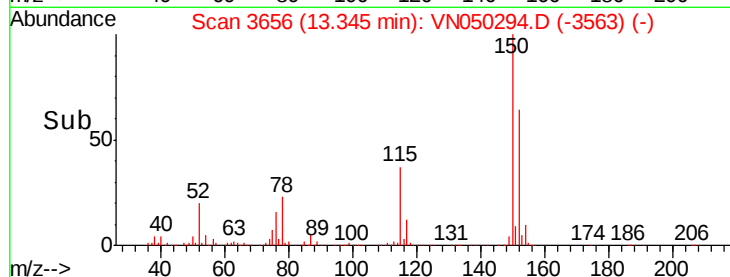
150 156.8 0.0 348.6



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: 12.50 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

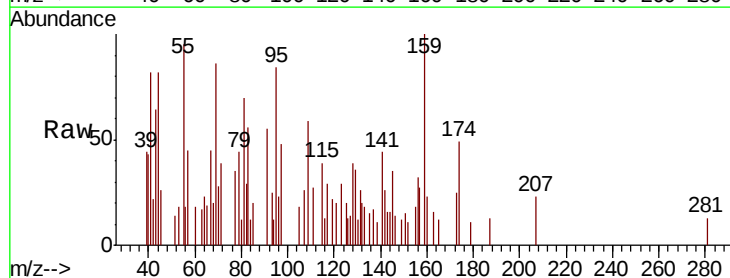
Tgt Ion: 83 Resp: 144

Ion Ratio Lower Upper

83 100

131 329.2 5.1 15.3#

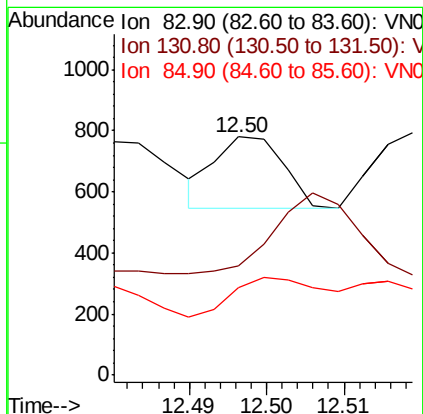
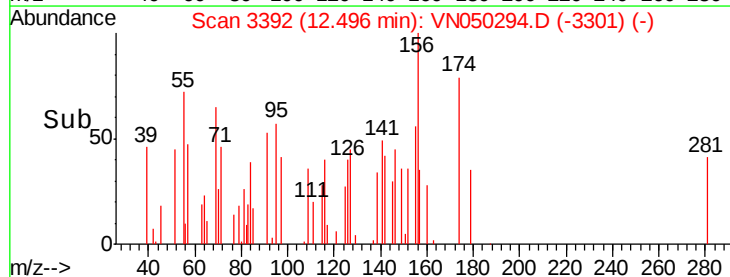
85 73.6 32.3 96.8

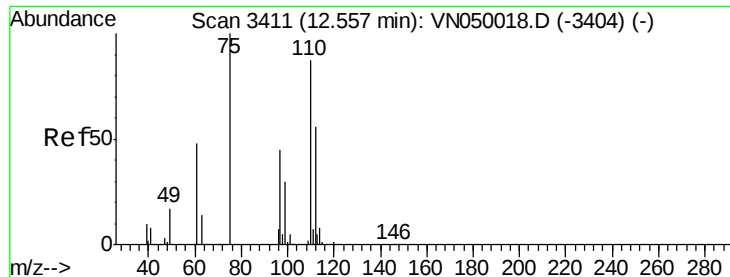


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.53 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

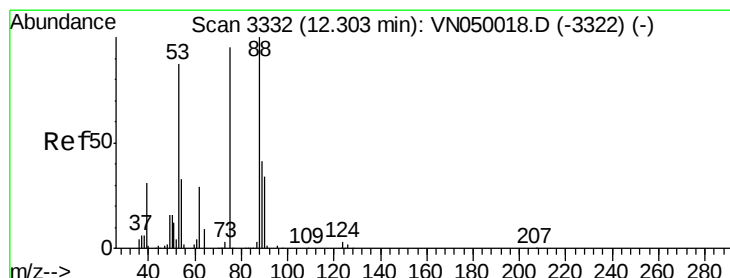
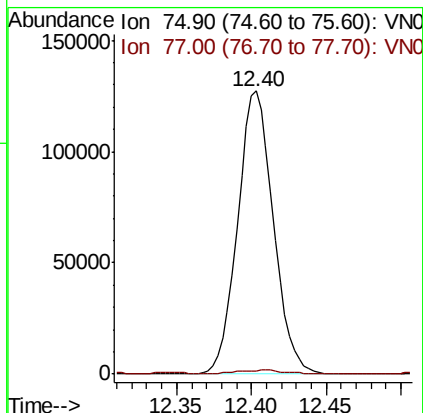
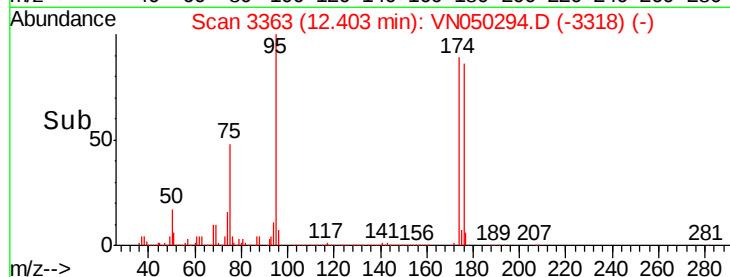
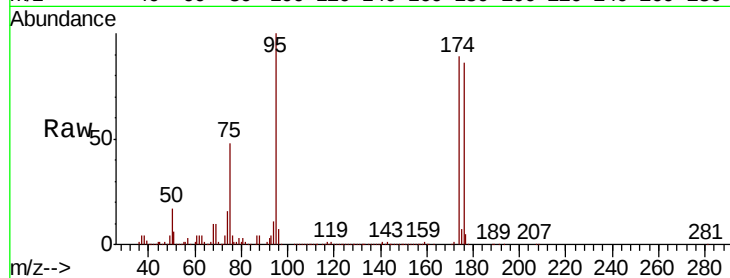
MW-A15

Tot Ion: 75 Resp: 211607

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.34 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

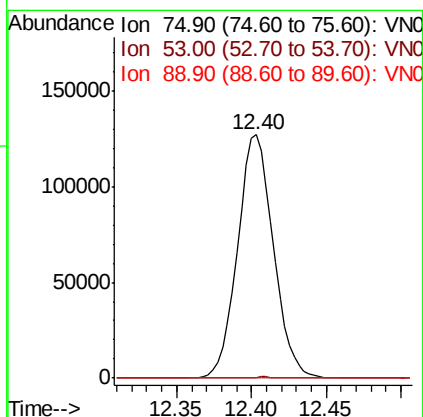
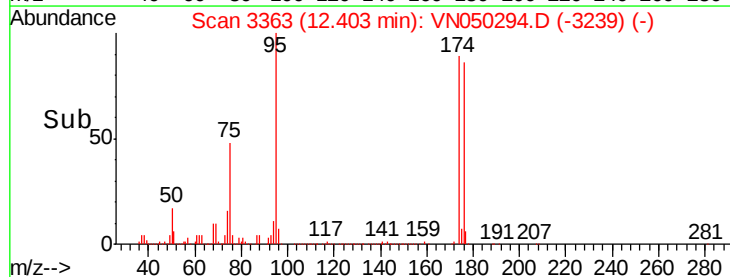
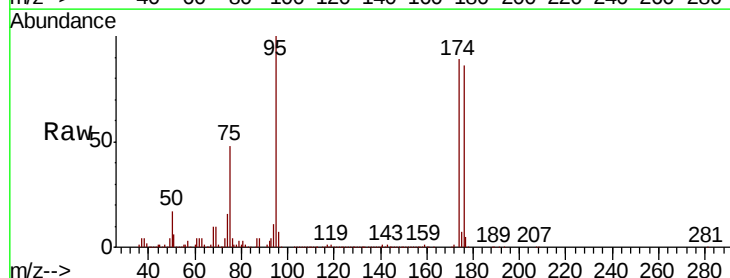
Tgt Ion: 75 Resp: 211607

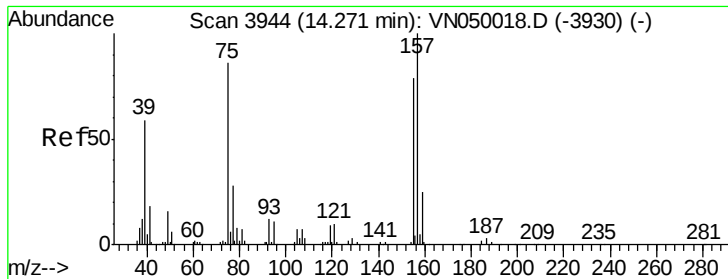
Ion Ratio Lower Upper

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: 14.44 min Scan# 3995

Delta R.T. 0.16 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

MW-A15

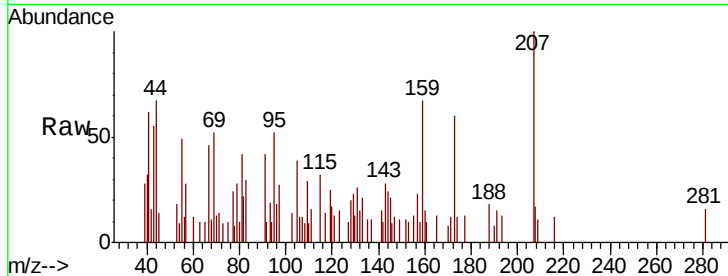
Tot Ion: 75 Resp: 100

Ion Ratio Lower Upper

75 100

155 124.0 44.8 134.4

157 144.0 57.2 171.6

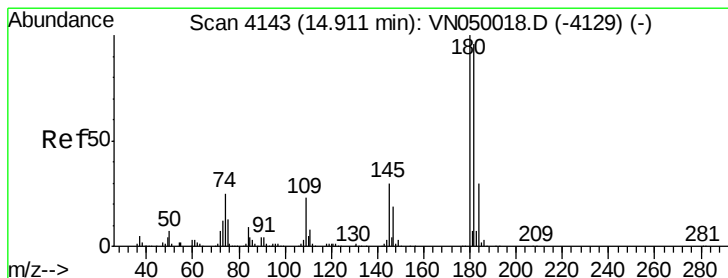
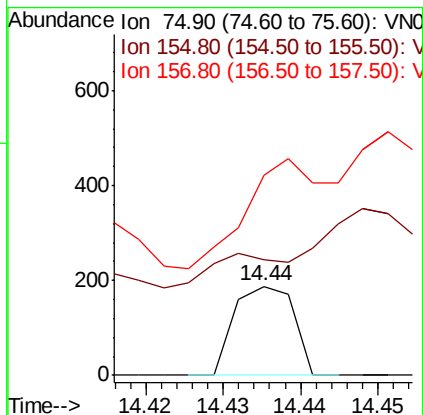
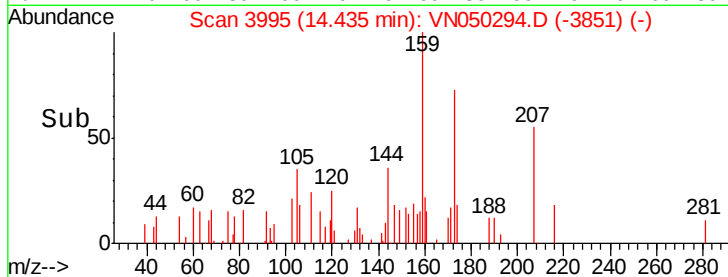


Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050018.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN050018.D (-3930) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.10 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

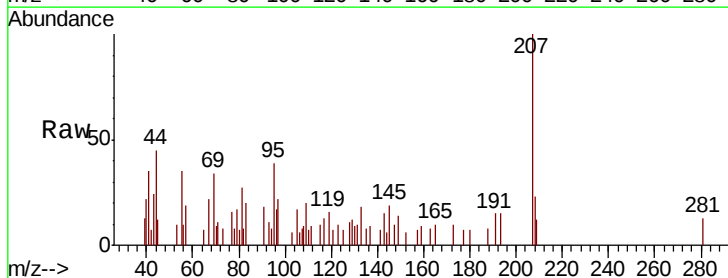
Tgt Ion: 180 Resp: 69

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

145 1849.3 13.8 41.4#

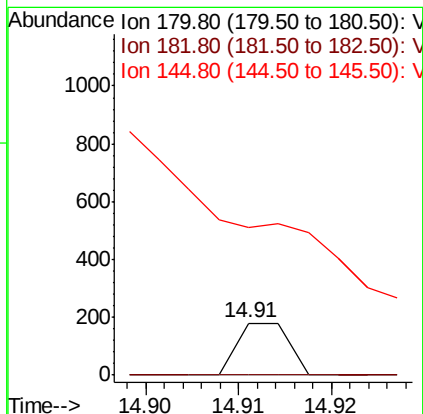
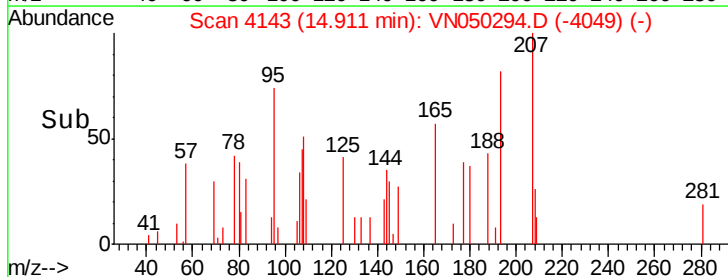


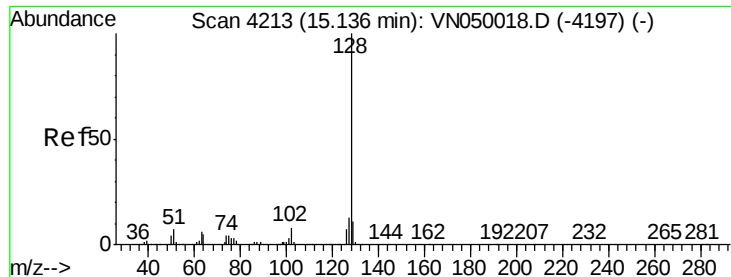
Abundance Ion 179.80 (179.50 to 180.50): VN050018.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN050018.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN050018.D (-4129) (-)

Time-->





#95

Naphthalene

Concen: 4.48 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

Instrument :

MSVOA_N

ClientSampled :

MW-A15

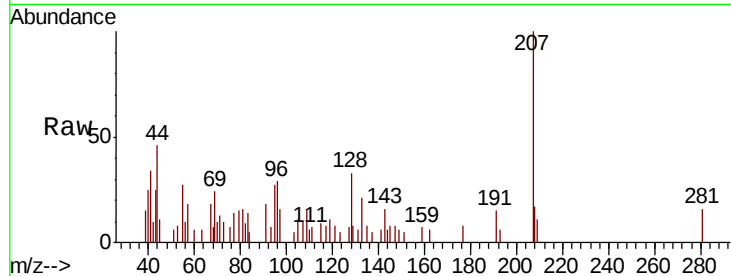
Tot Ion:128 Resp: 1077

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

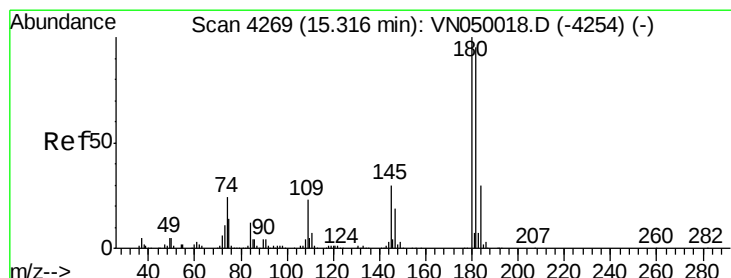
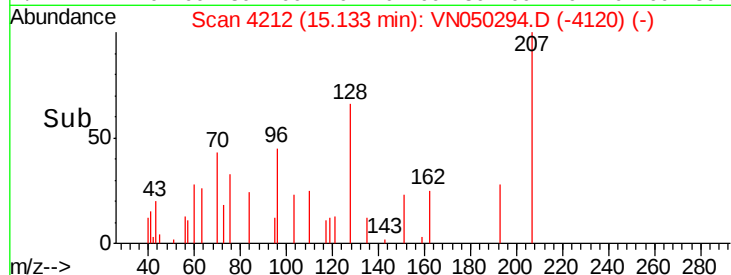
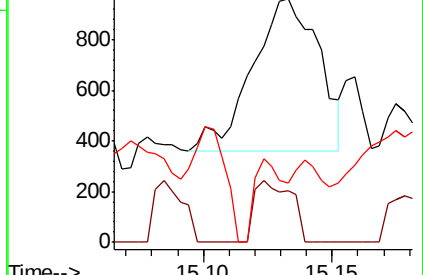
129 10.2 8.8 13.2



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: 2.21 ug/l

RT: 15.33 min Scan# 4273

Delta R.T. 0.01 min

Lab File: VN050294.D

Acq: 3 Aug 2018 4:37

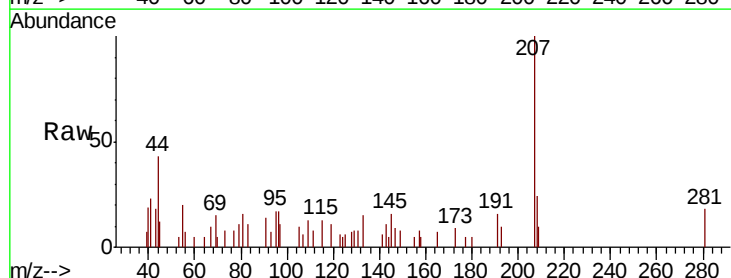
Tgt Ion:180 Resp: 62

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 185.5 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

