

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049884.D
 Acq On : 18 Jul 2018 20:13
 Operator : MD\SY
 Sample : PB111206ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 01:22:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	553854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	937477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	781173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287814	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	408300	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
35) Dibromofluoromethane	7.59	113	351965	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	
50) Toluene-d8	10.09	98	1244633	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	
62) 4-Bromofluorobenzene	12.40	95	342131	34.64	ug/l	0.00
Spiked Amount			Recovery	=	69.28%	

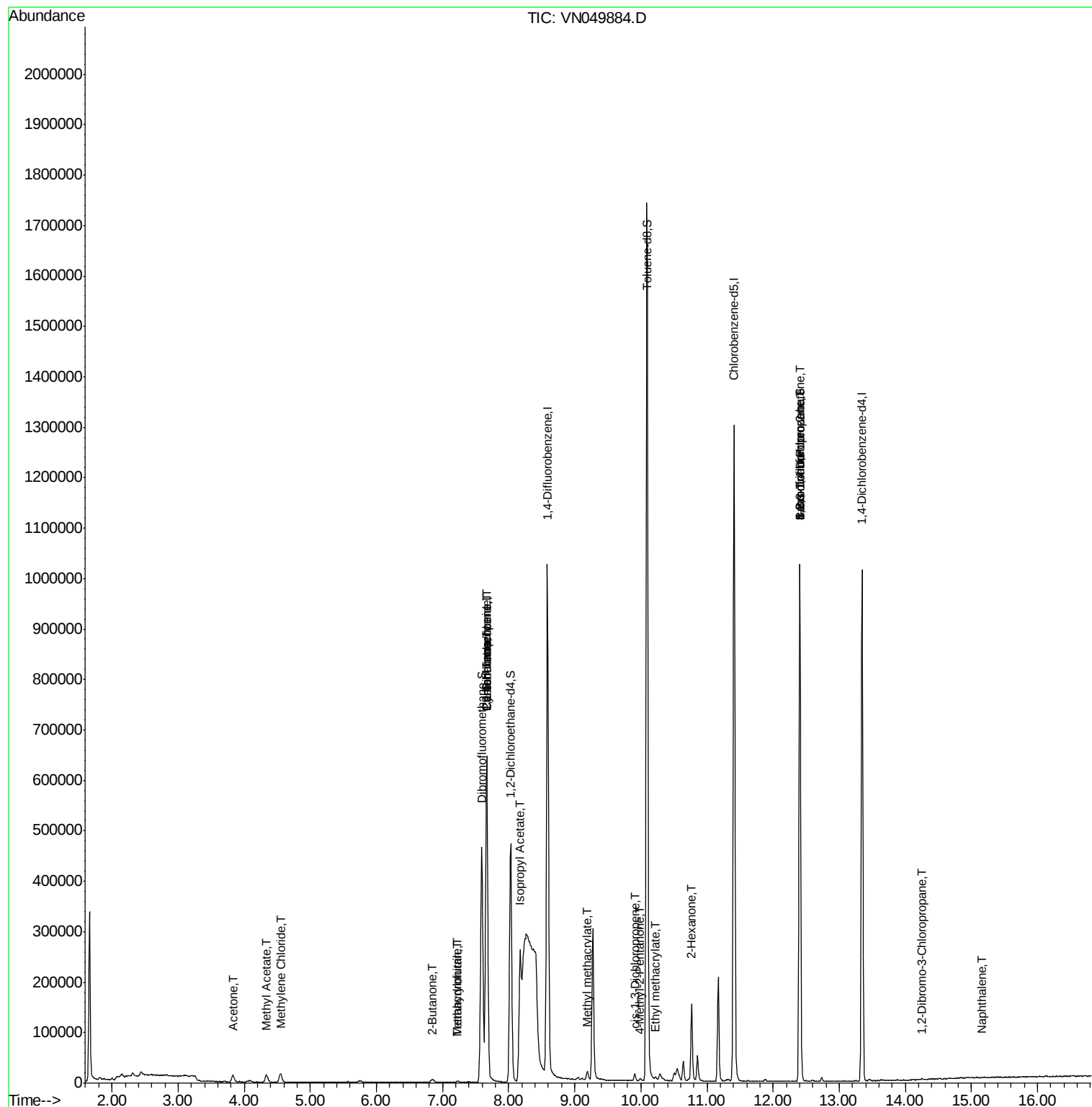
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	300	Below Cal	#	29
16) Acetone	3.83	43	22292	11.31	ug/l	98
18) Methyl Acetate	4.33	43	27701	3.71	ug/l	# 80
20) Methylene Chloride	4.55	84	12508	1.67	ug/l	90
25) 2-Butanone	6.85	43	5199	1.85	ug/l	# 78
29) Tetrahydrofuran	7.22	42	1801	1.01	ug/l	# 83
31) Cyclohexane	7.67	56	10712	1.06	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	38409	3.68	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	51058	4.57	ug/l	# 16
41) Methacrylonitrile	7.23	41	1211	0.34	ug/l	# 30
43) Isopropyl Acetate	8.17	43	320778	25.65	ug/l	# 93
48) Methyl methacrylate	9.18	41	9354	1.49	ug/l	# 23
51) 4-Methyl-2-Pentanone	9.99	43	3180	0.45	ug/l	# 87
54) cis-1,3-Dichloropropene	9.91	75	2485	0.21	ug/l	# 76
56) Ethyl methacrylate	10.23	69	2687	2.40	ug/l	# 57
59) 2-Hexanone	10.77	43	21266	4.53	ug/l	# 58
71) Bromoform	12.40	173	3065	0.56	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	166833	30.90	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	166833	96.62	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	284	0.28	ug/l	# 1
95) Naphthalene	15.15	128	351	4.51	ug/l	# 69

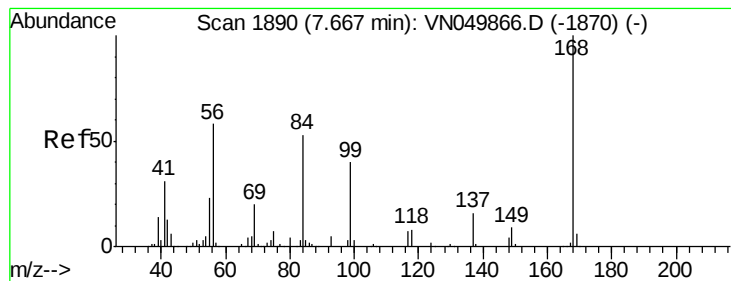
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071818\
Data File : VN049884.D
Acq On : 18 Jul 2018 20:13
Operator : MD\SY
Sample : PB111206ZHE#16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 19 01:22:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 13:09:48 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: VN049884.D

Acq: 18 Jul 2018 20:13

Instrument :

MSVOA_N

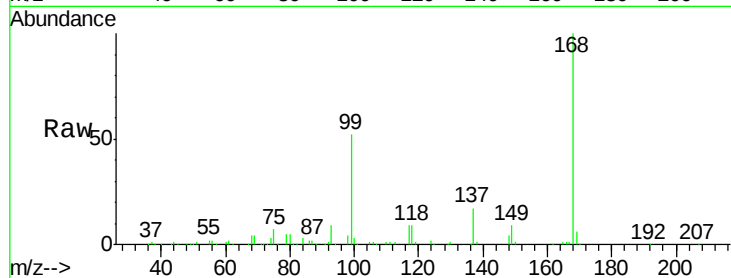
ClientSampled :

Tot Ion:168 Resp: 553854

Ion Ratio Lower Upper

168 100

99 51.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

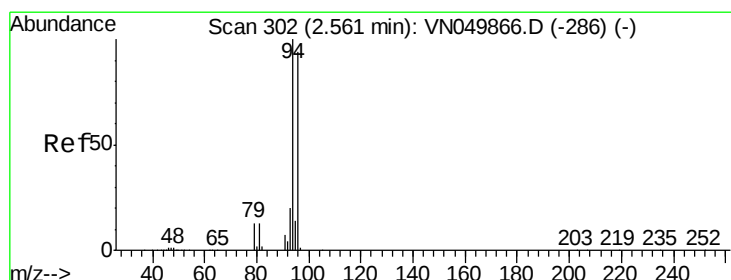
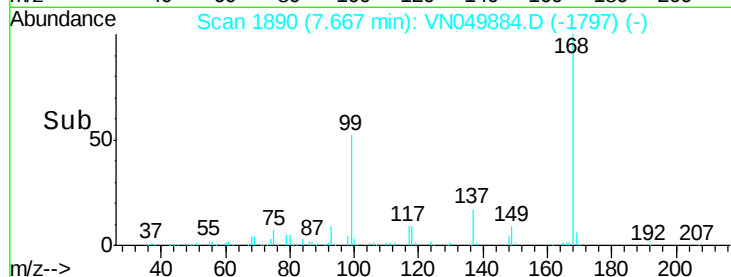
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049884.D

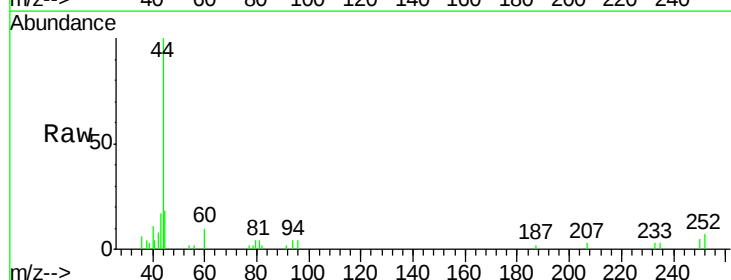
Acq: 18 Jul 2018 20:13

Tgt Ion: 94 Resp: 300

Ion Ratio Lower Upper

94 100

96 25.7 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

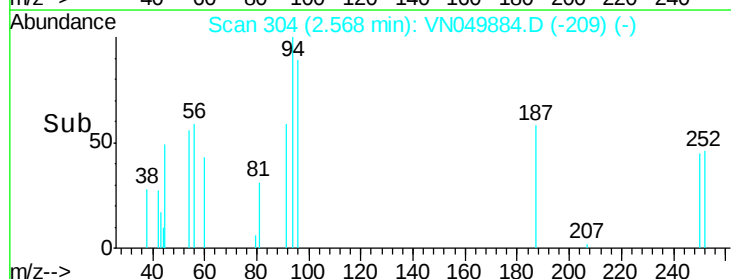
300

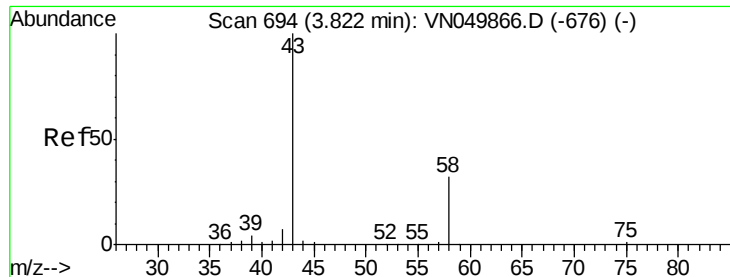
200

100

0

Time-->





#16

Acetone

Concen: 11.31 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049884.D

Acq: 18 Jul 2018 20:13

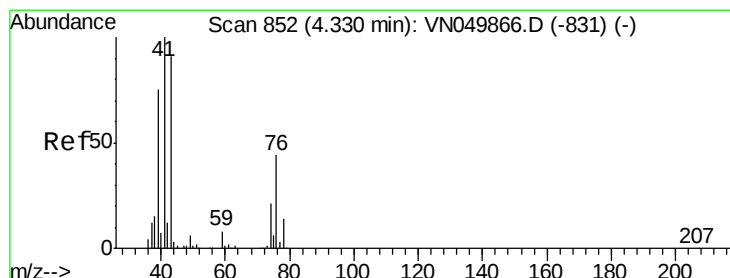
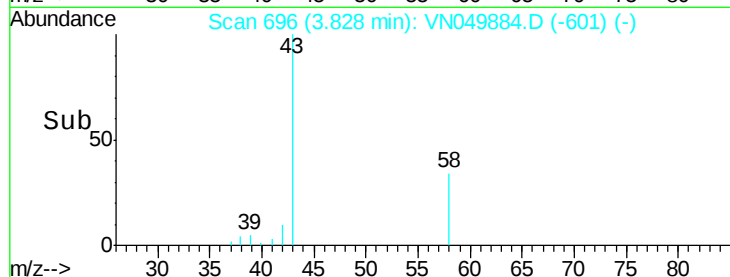
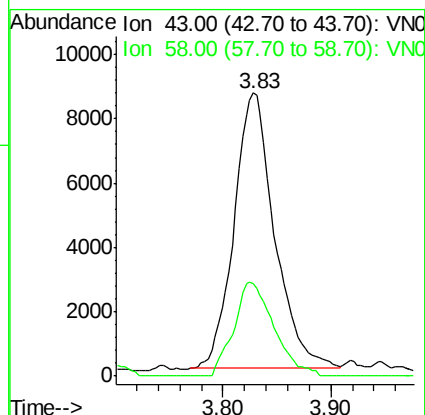
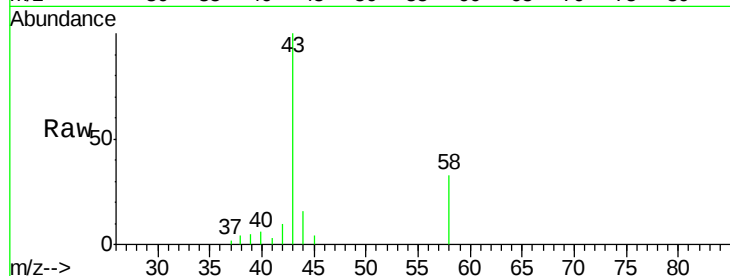
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 22292

Ion Ratio Lower Upper

43 100

58 33.8 25.9 38.9



#18

Methyl Acetate

Concen: 3.71 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049884.D

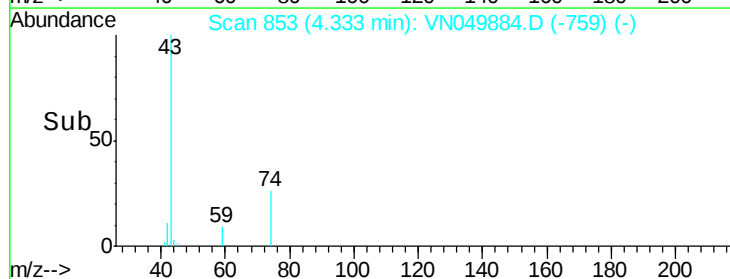
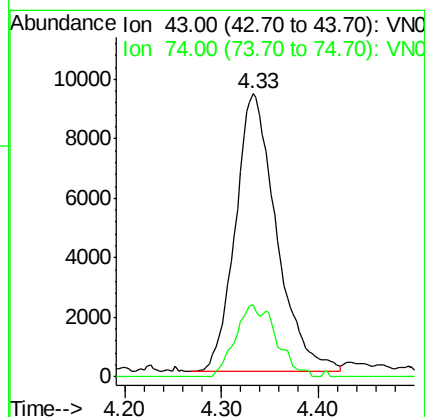
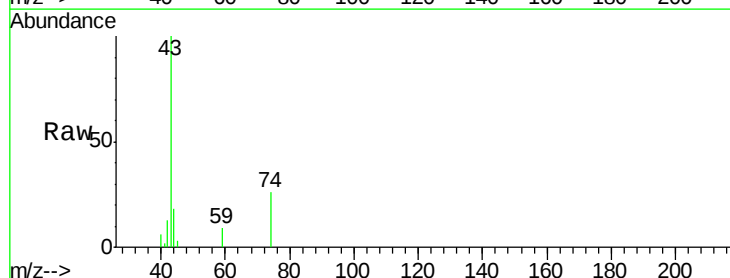
Acq: 18 Jul 2018 20:13

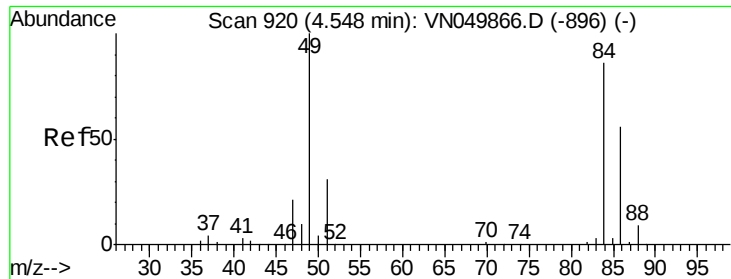
Tgt Ion: 43 Resp: 27701

Ion Ratio Lower Upper

43 100

74 14.7 19.8 29.8#

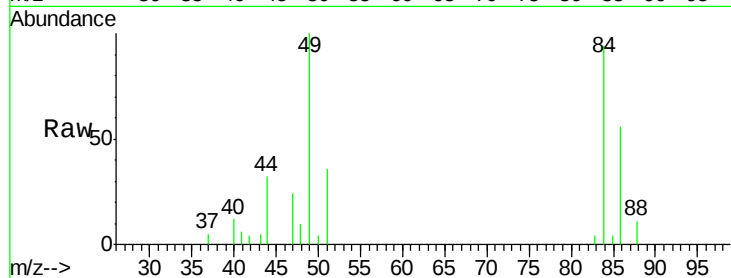




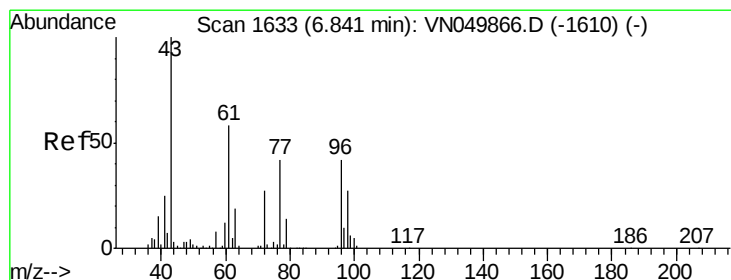
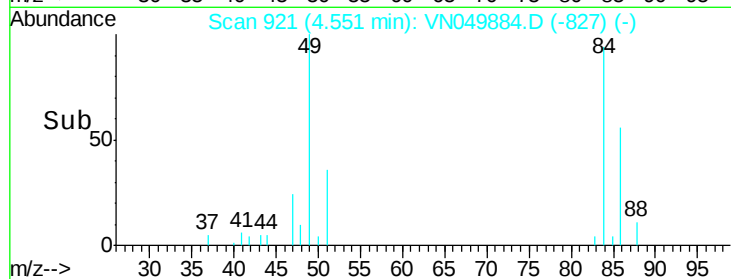
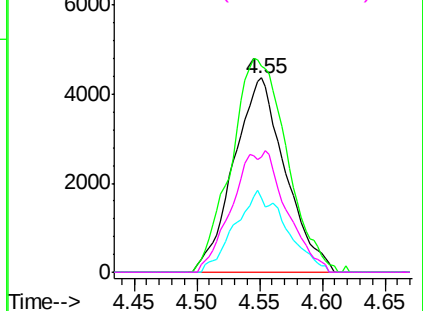
#20
Methvlene Chloride
Concen: 1.67 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	84	Resp:	12508
Ion	Ratio	Lower	Upper
84	100		
49	106.0	95.4	143.2
51	38.2	28.4	42.6
86	59.4	52.6	79.0

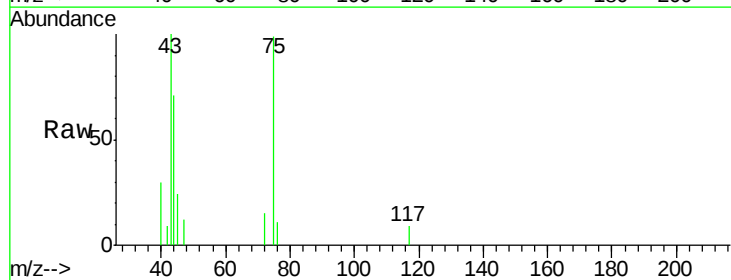


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

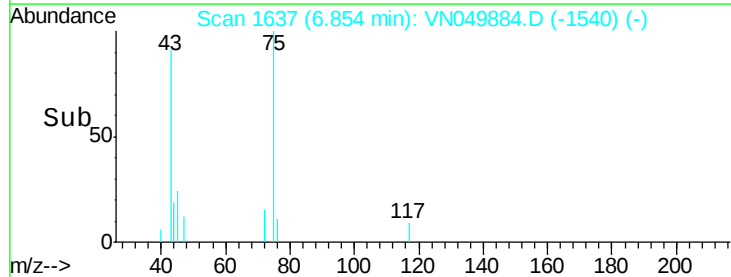
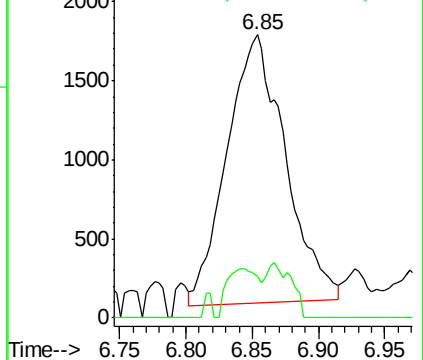


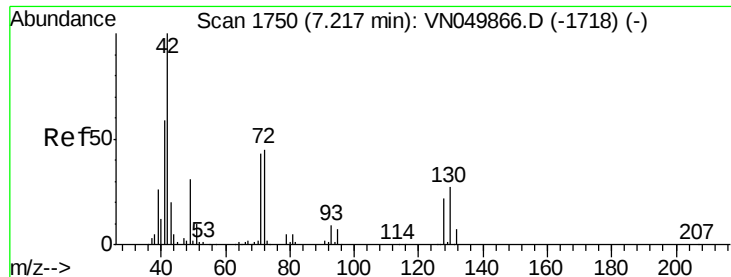
#25
2-Butanone
Concen: 1.85 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Tgt Ion:	43	Resp:	5199
Ion	Ratio	Lower	Upper
43	100		
72	16.2	22.1	33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

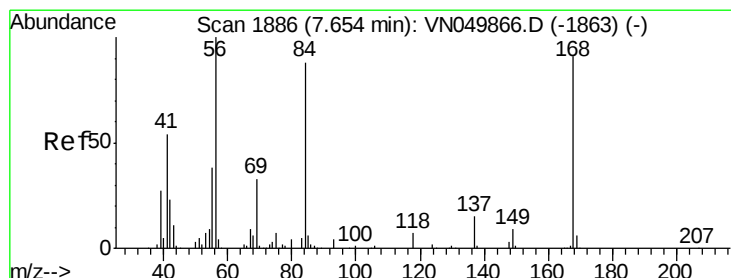
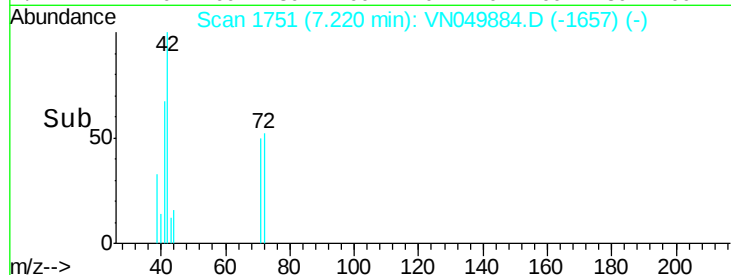
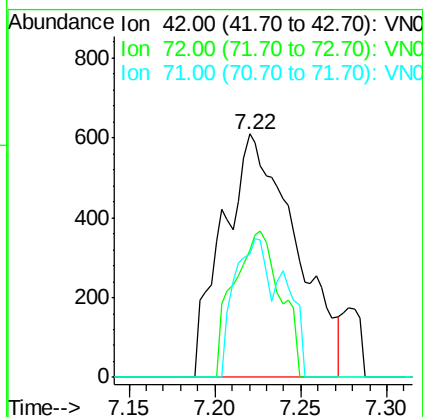
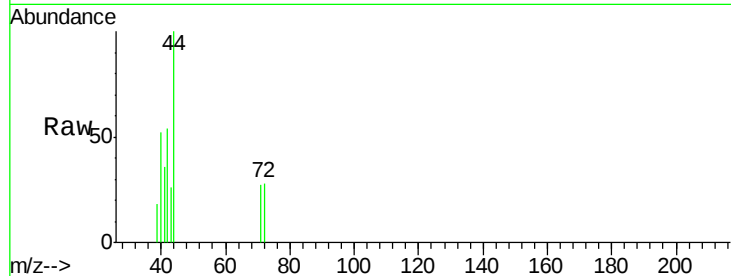




#29
Tetrahydrofuran
Concen: 1.01 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

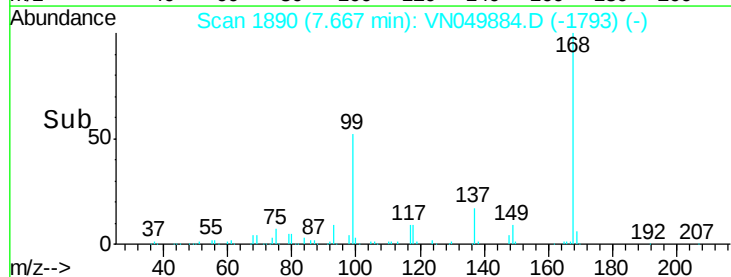
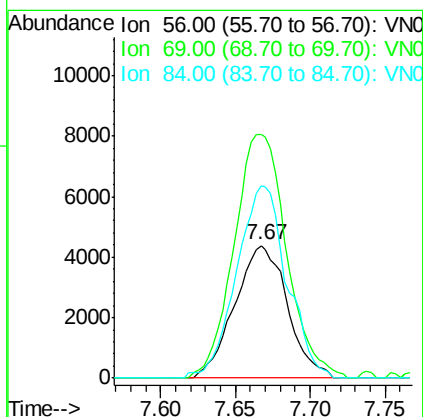
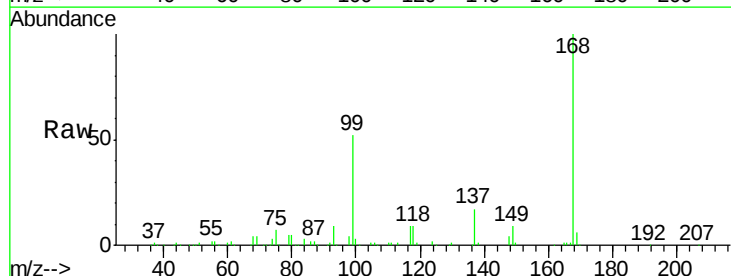
Instrument :
MSVOA_N
ClientSampleId :

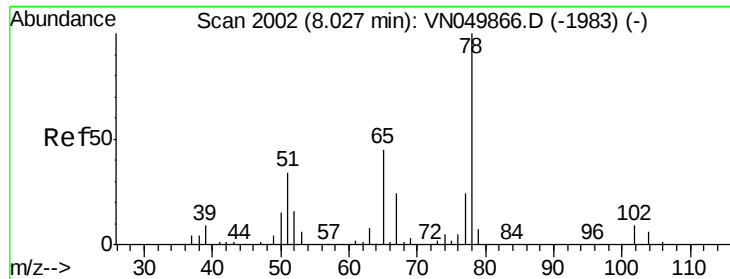
Tot Ion: 42 Resp: 1801
Ion Ratio Lower Upper
42 100
72 38.5 35.6 53.4
71 26.2 34.0 51.0#



#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Tgt Ion: 56 Resp: 10712
Ion Ratio Lower Upper
56 100
69 183.2 26.6 40.0#
84 144.9 69.0 103.6#

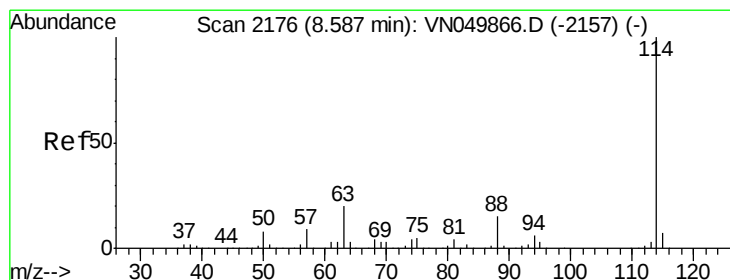
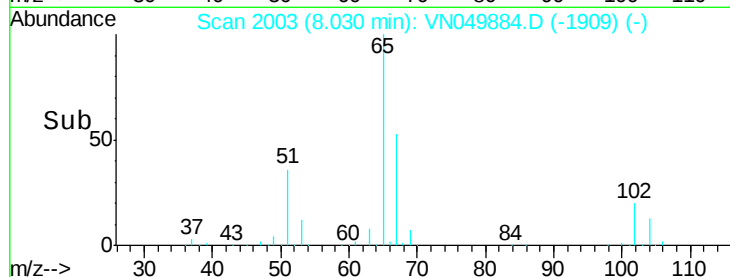
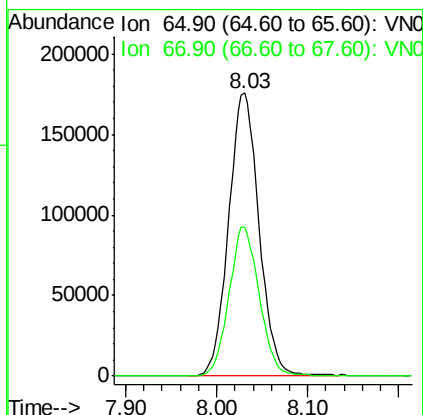
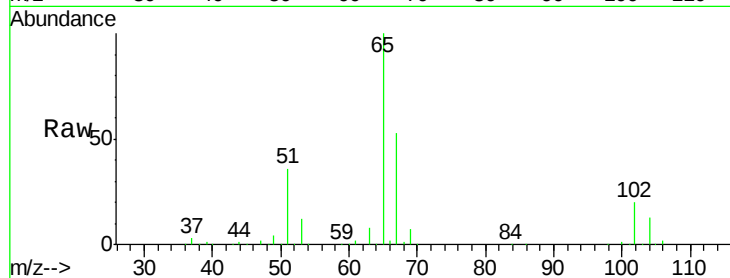




#33
 1,2-Dichloroethane-d4
 Concen: 53.64 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049884.D
 Acq: 18 Jul 2018 20:13

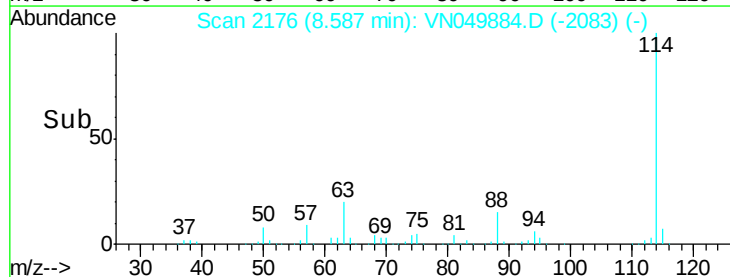
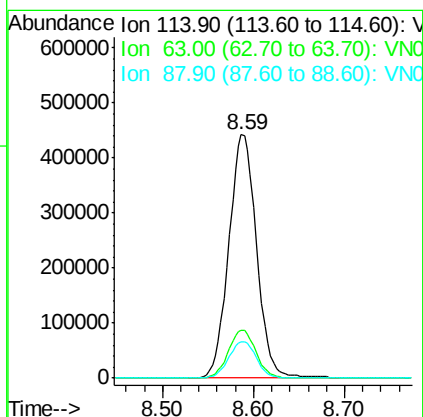
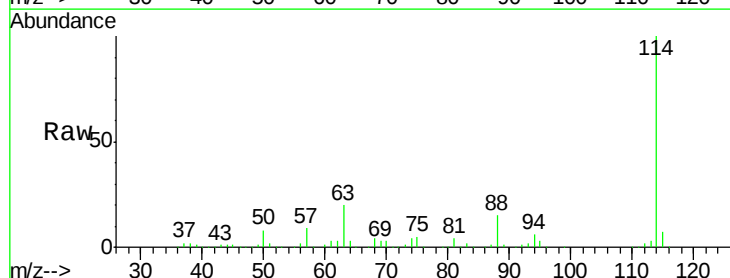
Instrument :
 MSVOA_N
 ClientSampleId :

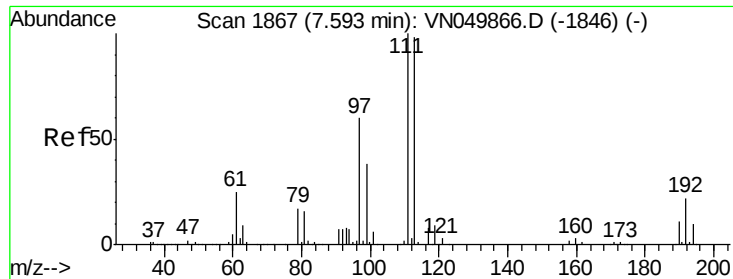
Tot Ion: 65 Resp: 408300
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049884.D
 Acq: 18 Jul 2018 20:13

Tgt Ion: 114 Resp: 937477
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 14.9 0.0 30.6

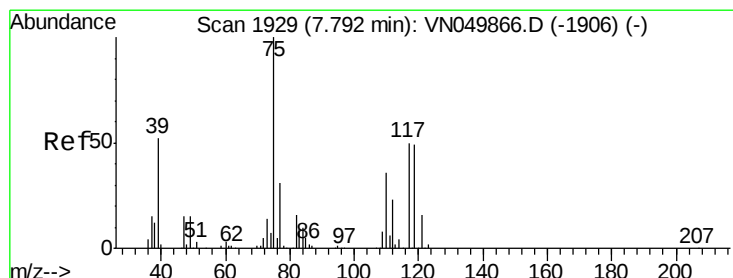
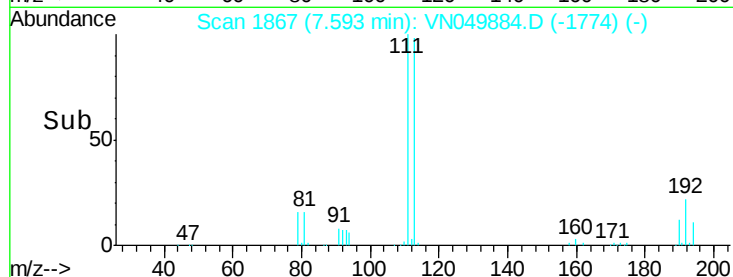
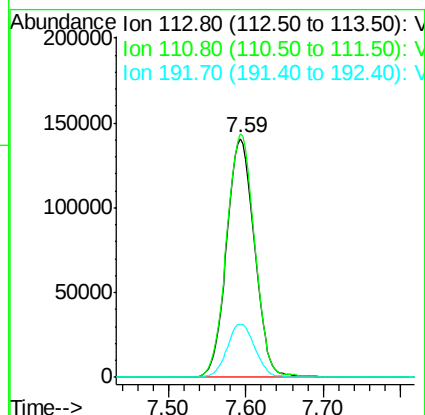
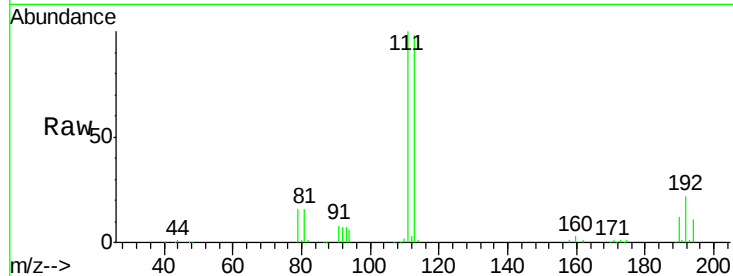




#35
Dibromofluoromethane
Concen: 44.72 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

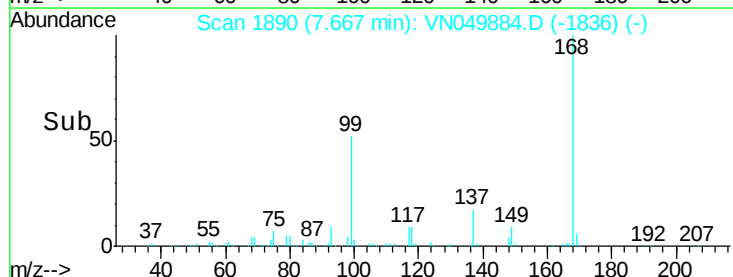
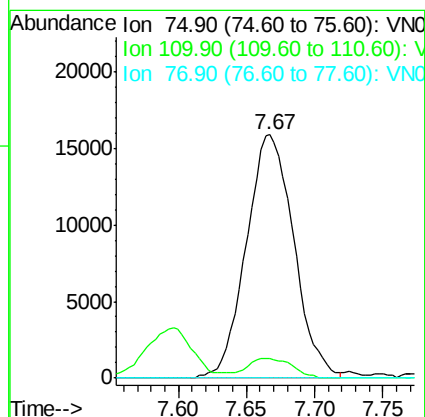
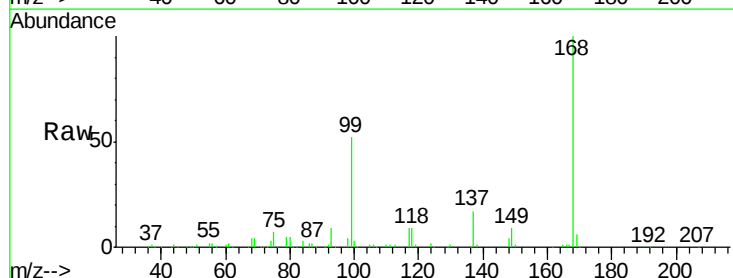
Instrument :
MSVOA_N
ClientSampled :

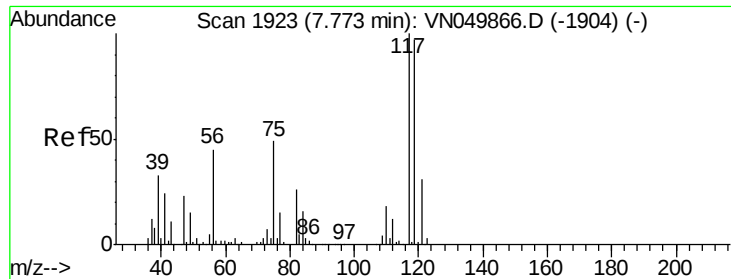
Tot Ion:113 Resp: 351965
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 22.3 17.8 26.6



#36
1,1-Dichloropropene
Concen: 3.68 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Tgt Ion: 75 Resp: 38409
Ion Ratio Lower Upper
75 100
110 7.8 18.1 54.4#
77 0.0 24.9 37.3#

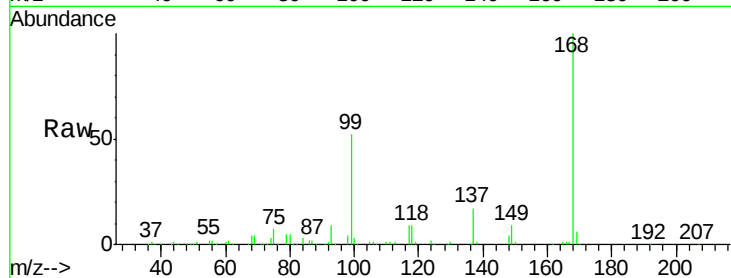




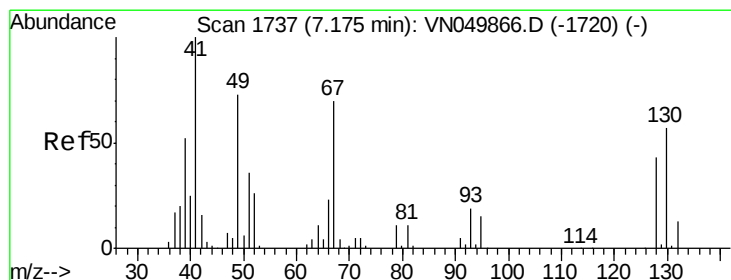
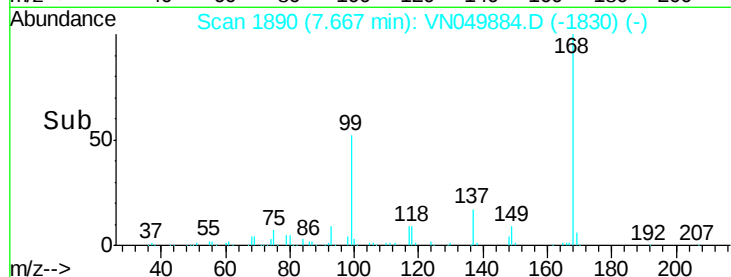
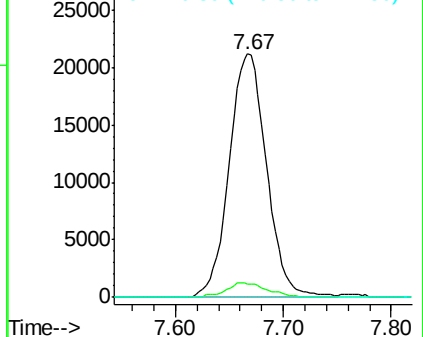
#38
Carbon Tetrachloride
Concen: 4.57 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 51058
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 25.0 37.6#

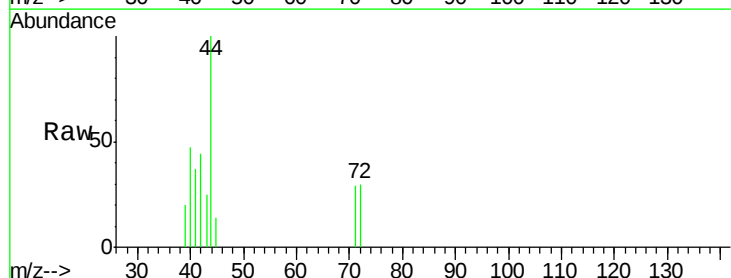


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

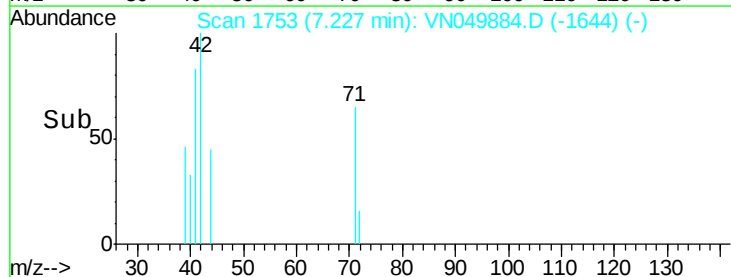
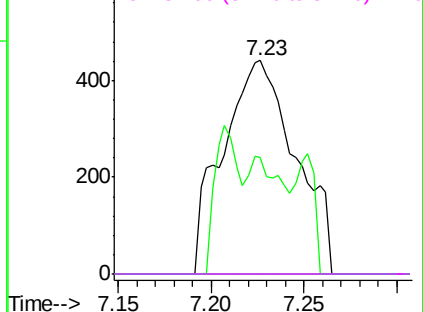


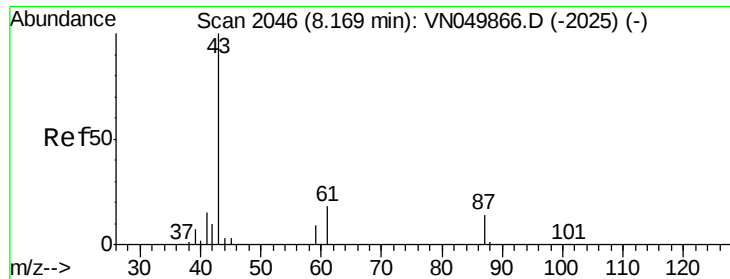
#41
Methacrylonitrile
Concen: 0.34 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.05 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Tgt Ion: 41 Resp: 1211
Ion Ratio Lower Upper
41 100
39 22.9 45.4 68.2#
67 0.0 65.4 98.0#
52 0.0 24.7 37.1#



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: 25.65 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049884.D

Acq: 18 Jul 2018 20:13

Instrument :

MSVOA_N

ClientSampleId :

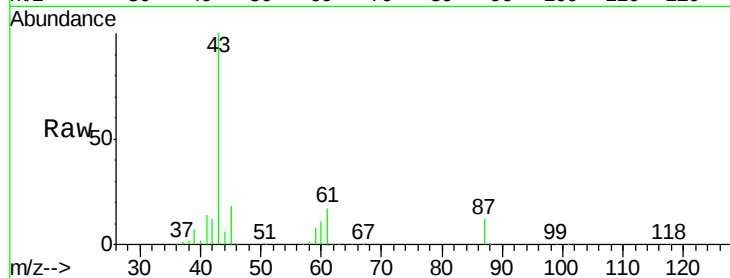
Tot Ion: 43 Resp: 320778

Ion Ratio Lower Upper

43 100

61 15.0 14.9 22.3

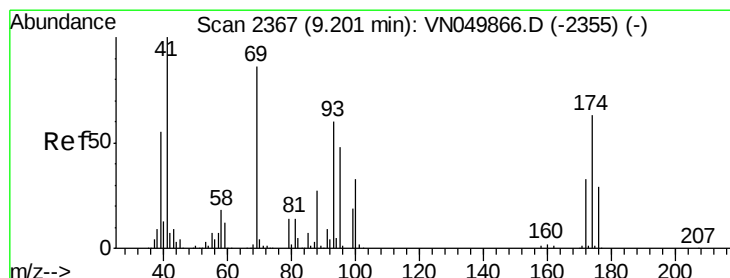
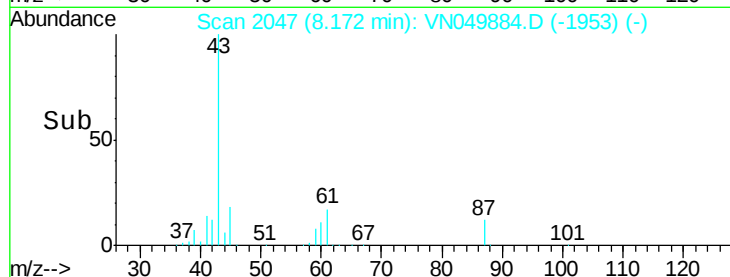
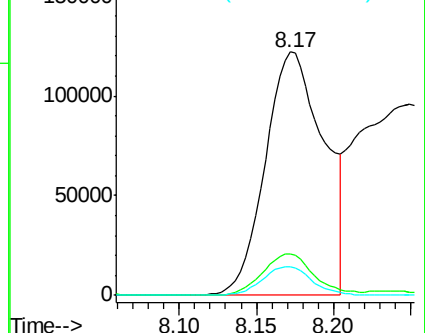
87 10.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.49 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN049884.D

Acq: 18 Jul 2018 20:13

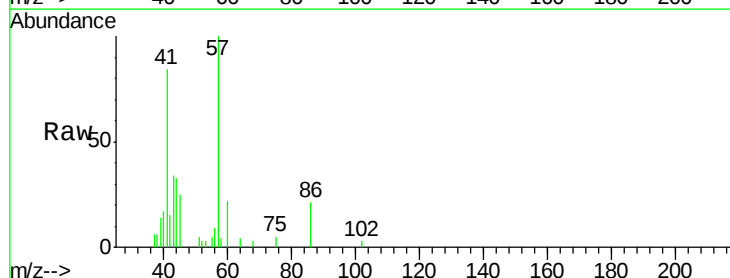
Tgt Ion: 41 Resp: 9354

Ion Ratio Lower Upper

41 100

69 0.0 71.5 107.3#

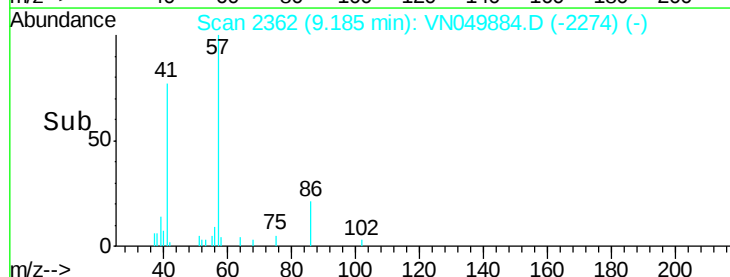
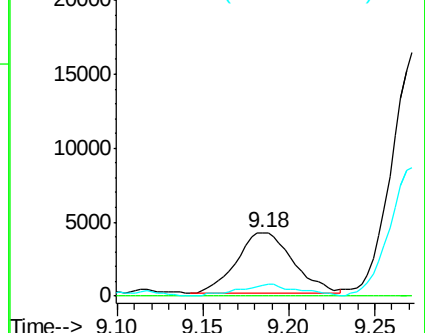
39 20.4 44.7 67.1#

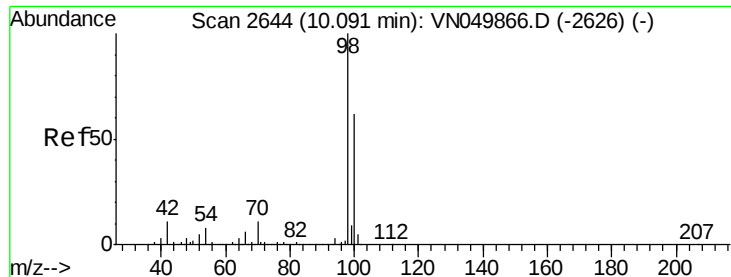


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

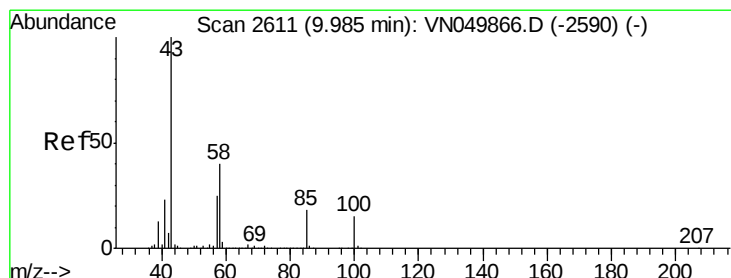
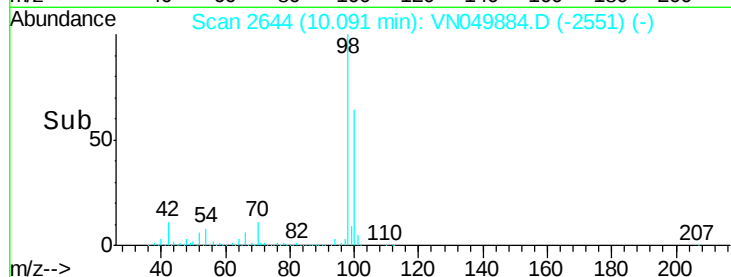
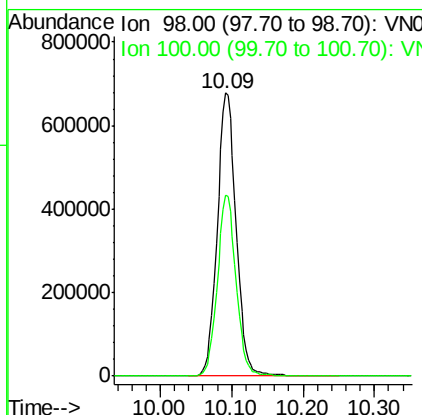
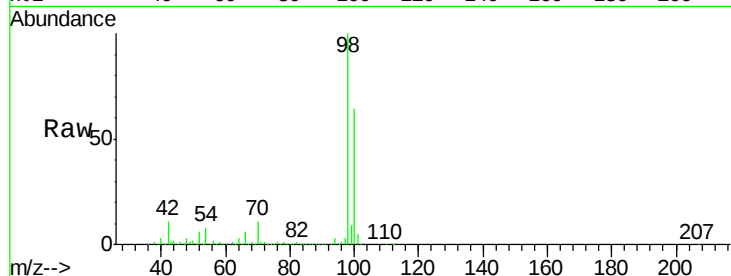




#50
Toluene-d8
Concen: 43.40 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

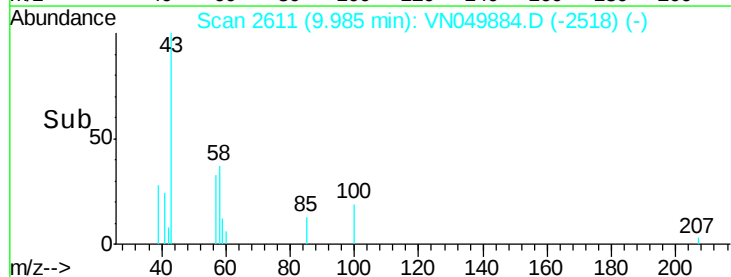
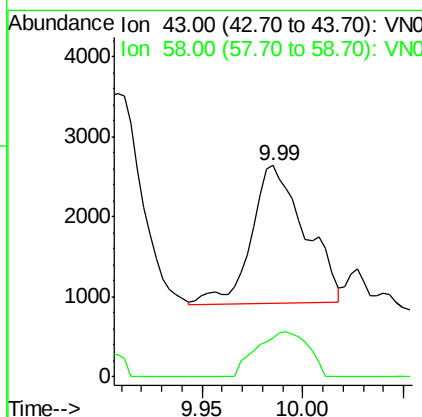
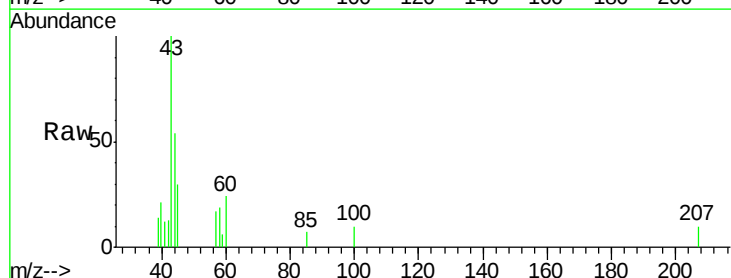
Instrument :
MSVOA_N
ClientSampleId :

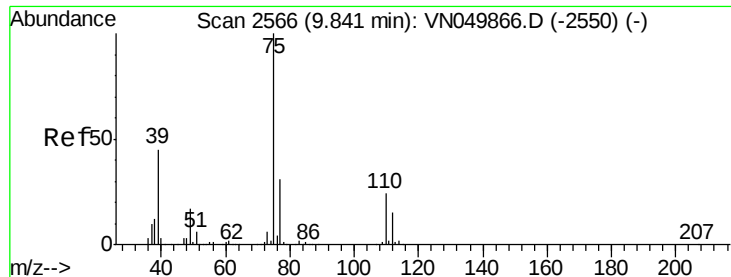
Tot Ion: 98 Resp: 1244633
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Tgt Ion: 43 Resp: 3180
Ion Ratio Lower Upper
43 100
58 31.7 31.8 47.8#



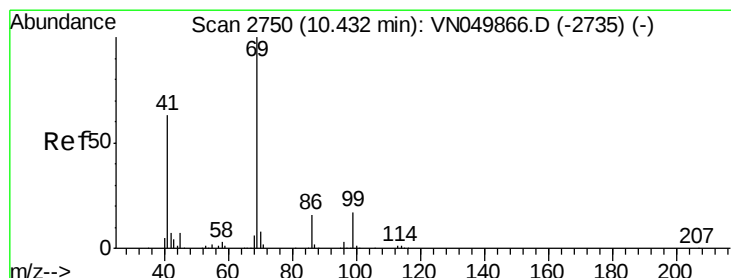
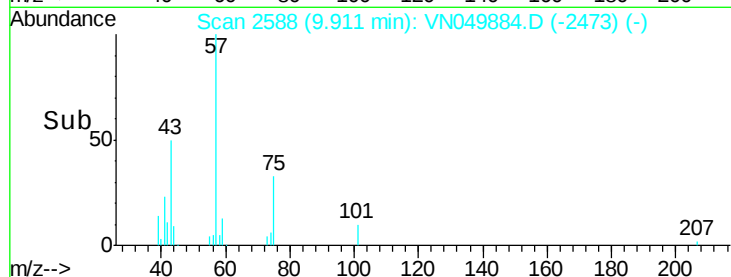
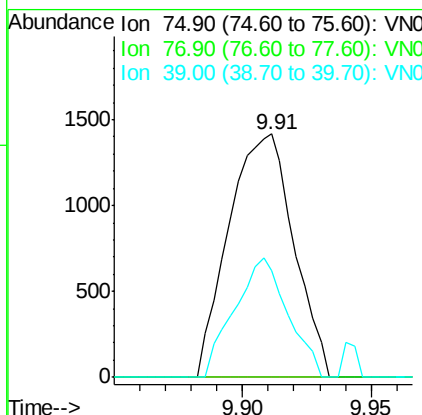
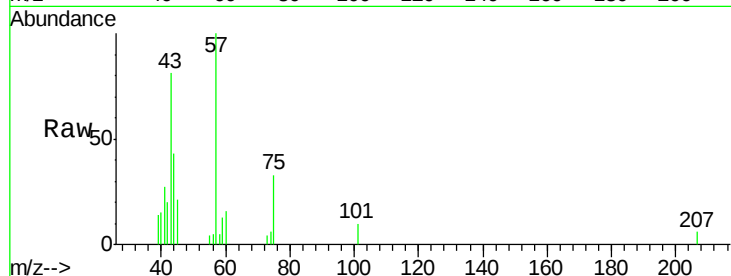


#54

cis-1,3-Dichloropropene
 Concen: 0.21 ug/l
 RT: 9.91 min Scan# 2588
 Delta R.T. 0.07 min
 Lab File: VN049884.D
 Acq: 18 Jul 2018 20:13

Instrument :
 MSVOA_N
 ClientSampled :

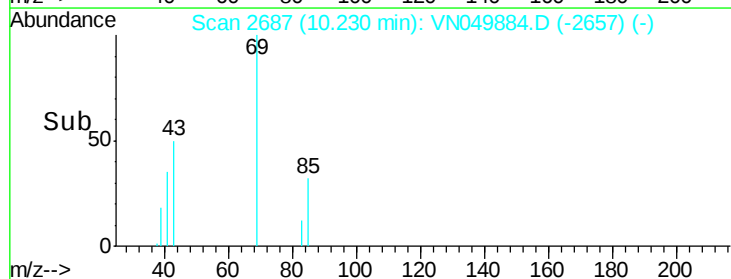
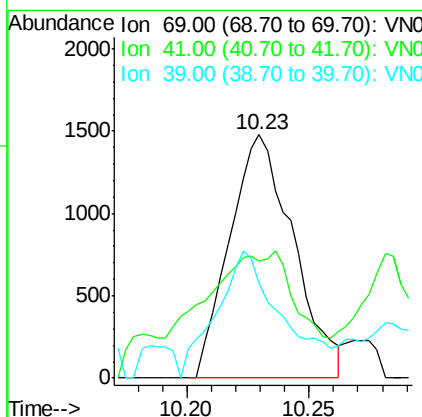
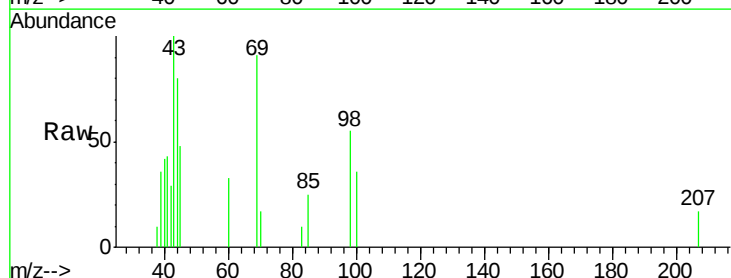
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.3	37.9#
39	43.9	35.5	53.3

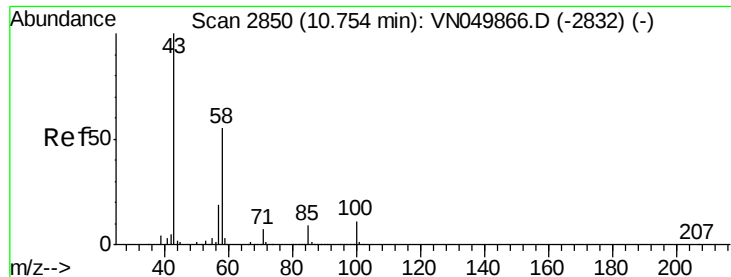


#56

Ethyl methacrylate
 Concen: 2.40 ug/l
 RT: 10.23 min Scan# 2687
 Delta R.T. -0.20 min
 Lab File: VN049884.D
 Acq: 18 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	28.8	51.6	77.4#
39	53.7	25.8	38.8#





#59

2-Hexanone

Concen: 4.53 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049884.D

Acq: 18 Jul 2018 20:13

Instrument :

MSVOA_N

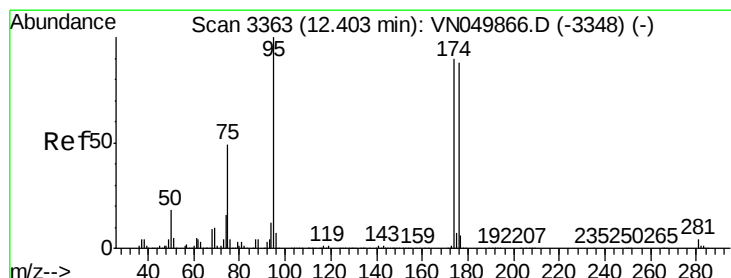
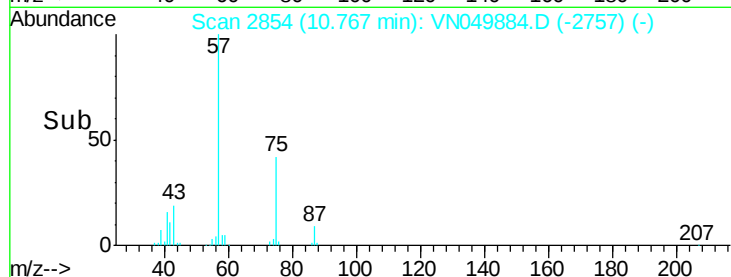
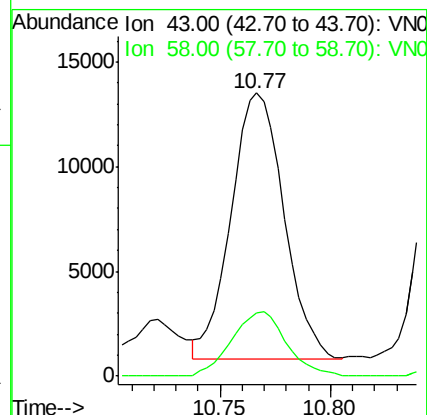
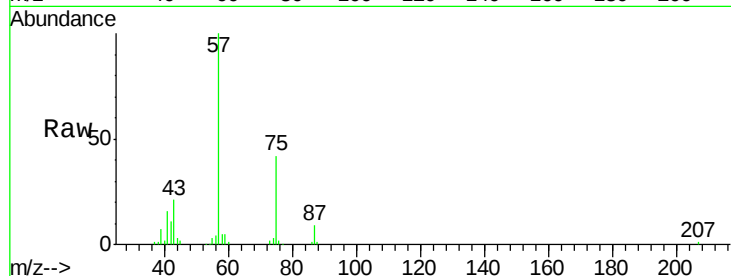
ClientSampleId :

Tot Ion: 43 Resp: 21266

Ion Ratio Lower Upper

43 100

58 25.0 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049884.D

Acq: 18 Jul 2018 20:13

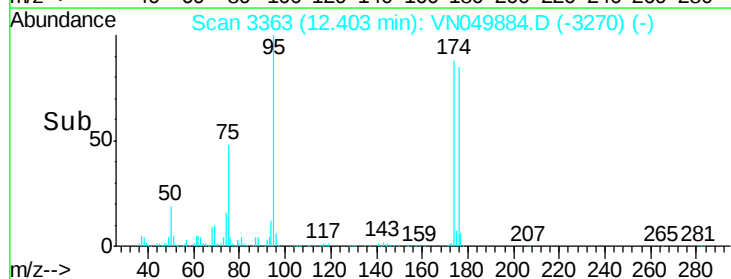
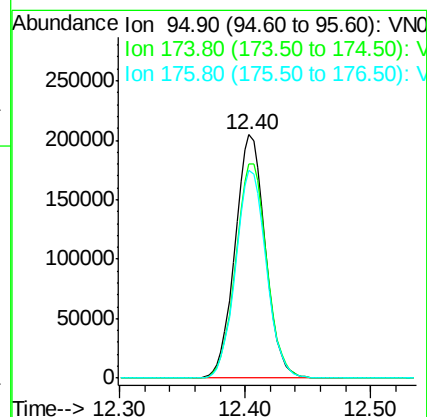
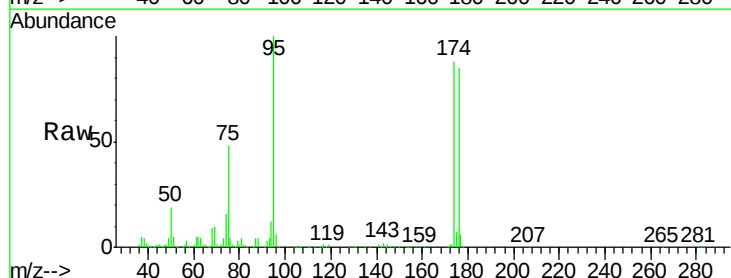
Tgt Ion: 95 Resp: 342131

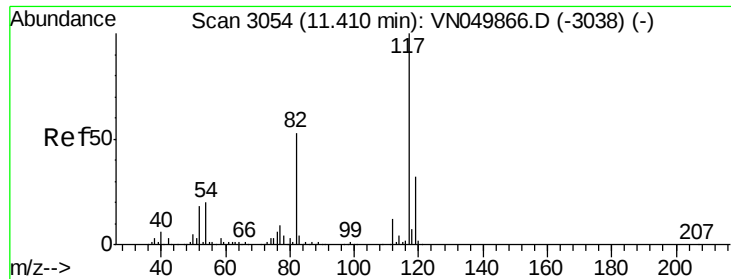
Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

176 86.6 0.0 174.0

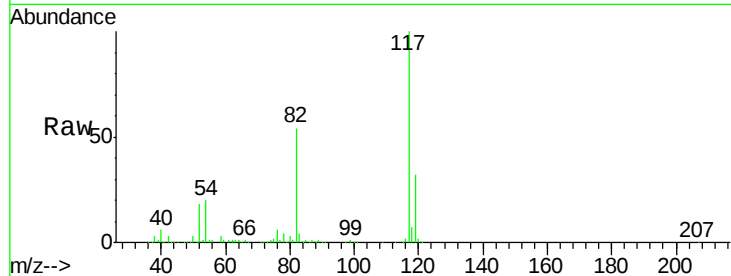




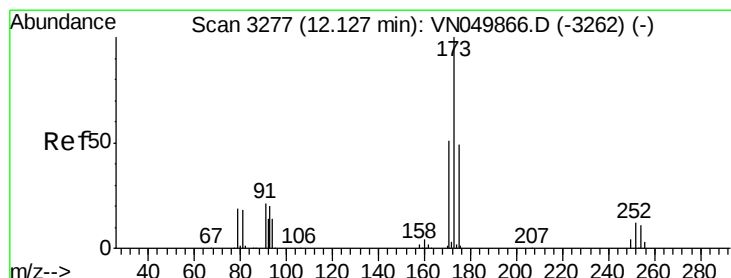
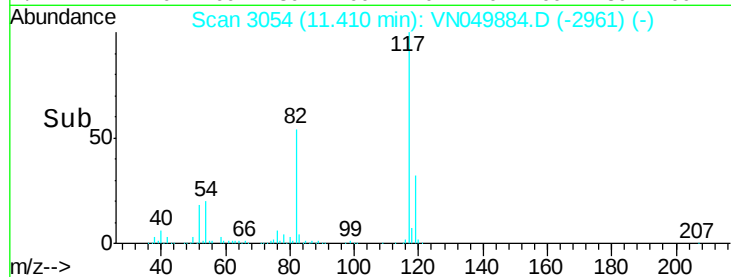
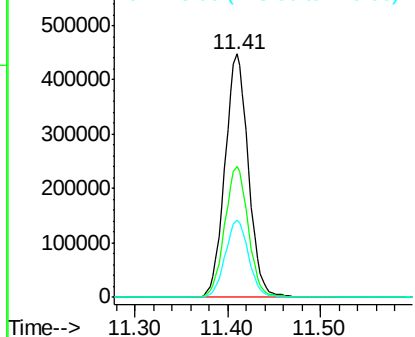
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 781173
Ion Ratio Lower Upper
117 100
82 54.0 41.9 62.9
119 31.7 25.4 38.2

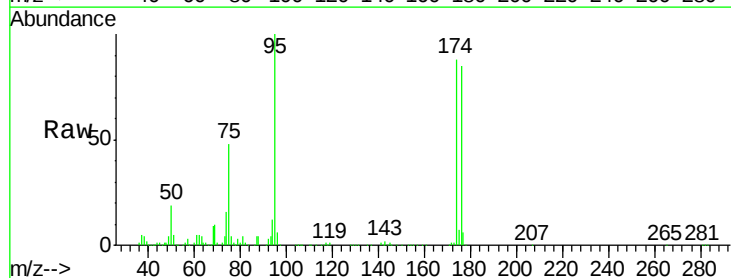


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

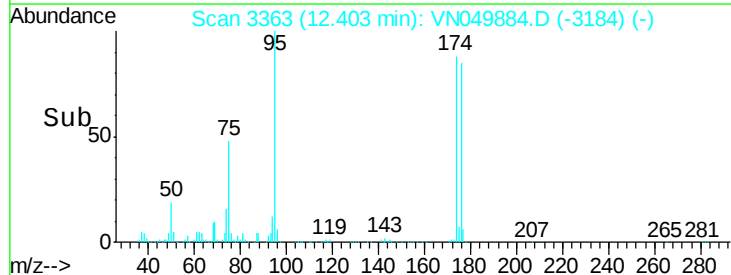
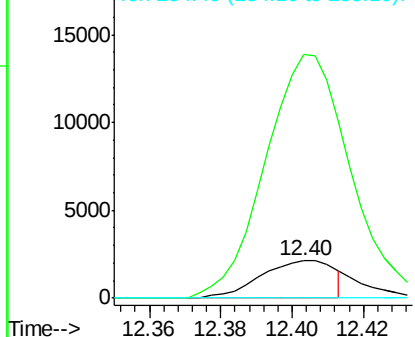


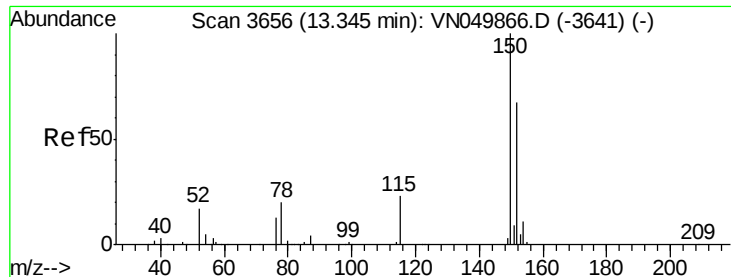
#71
Bromoform
Concen: 0.56 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Tgt Ion:173 Resp: 3065
Ion Ratio Lower Upper
173 100
175 609.2 24.6 73.8#
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: VN049884.D

Acq: 18 Jul 2018 20:13

Instrument :

MSVOA_N

ClientSampled :

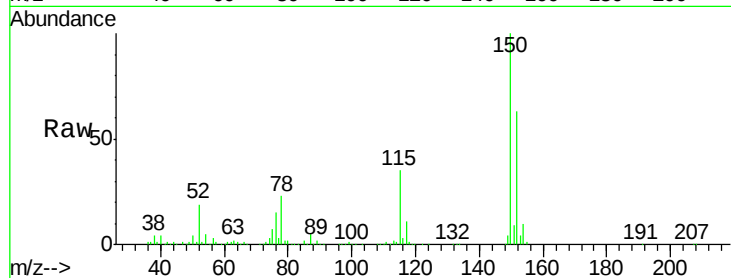
Tot Ion:152 Resp: 287814

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

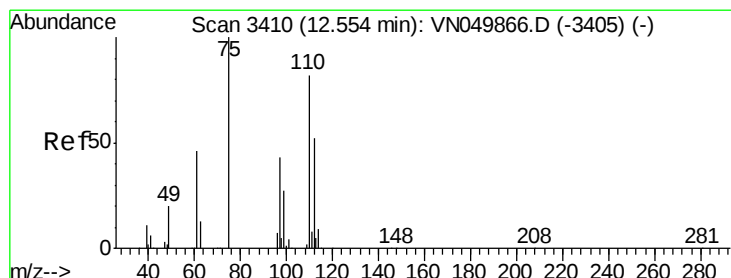
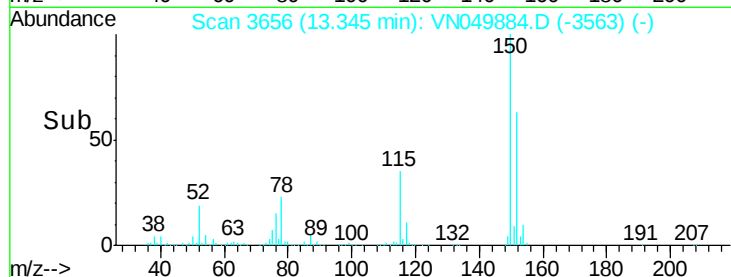
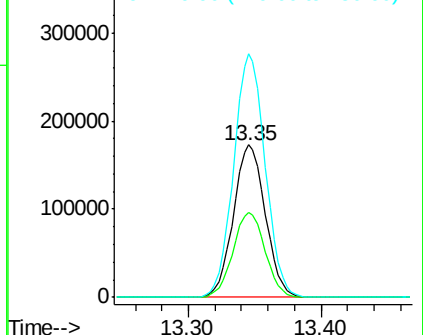
150 158.0 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 30.90 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049884.D

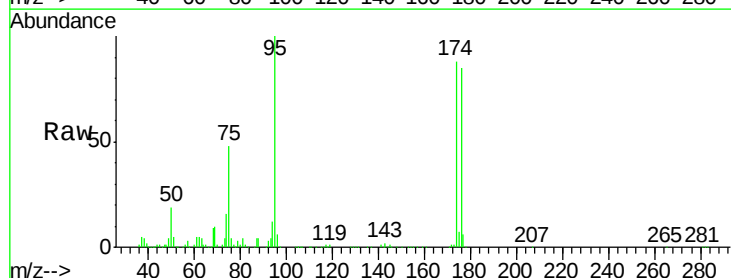
Acq: 18 Jul 2018 20:13

Tgt Ion: 75 Resp: 166833

Ion Ratio Lower Upper

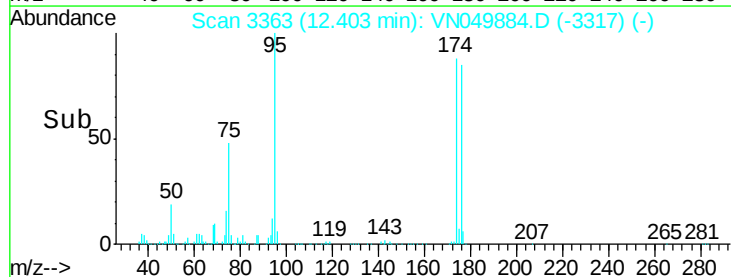
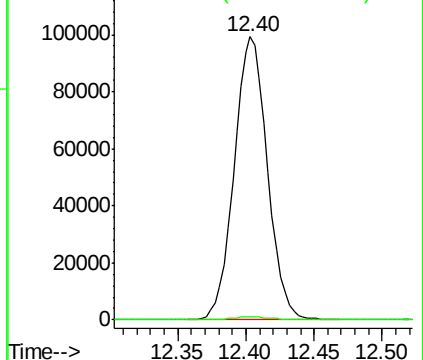
75 100

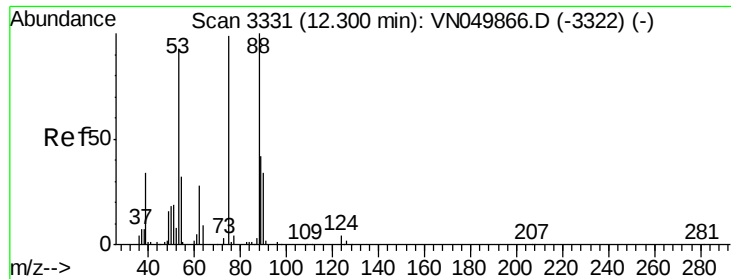
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 96.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049884.D

Acq: 18 Jul 2018 20:13

Instrument :

MSVOA_N

ClientSampleId :

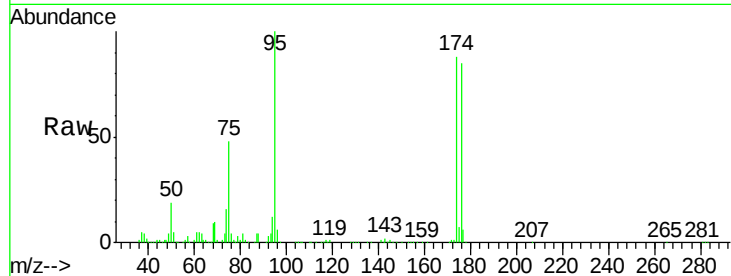
Tot Ion: 75 Resp: 166833

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

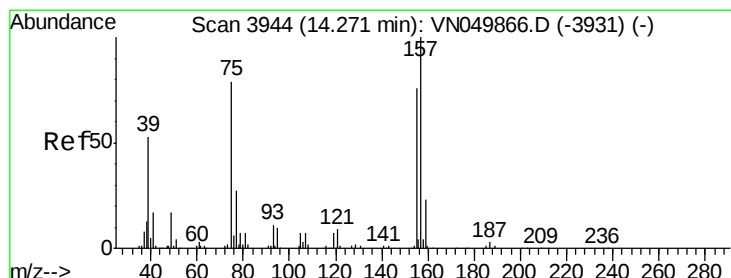
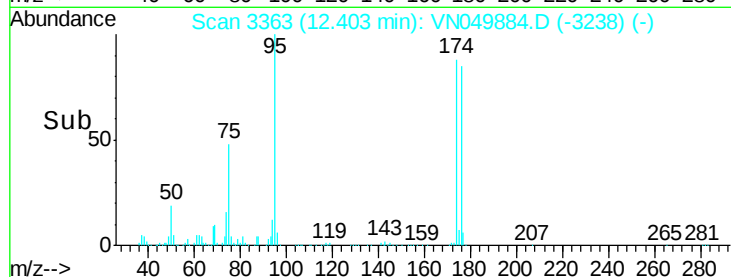
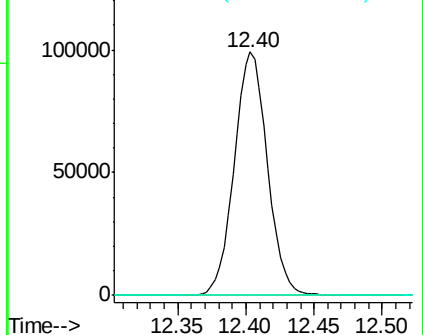
89 0.0 35.9 53.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.28 ug/l

RT: 14.26 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VN049884.D

Acq: 18 Jul 2018 20:13

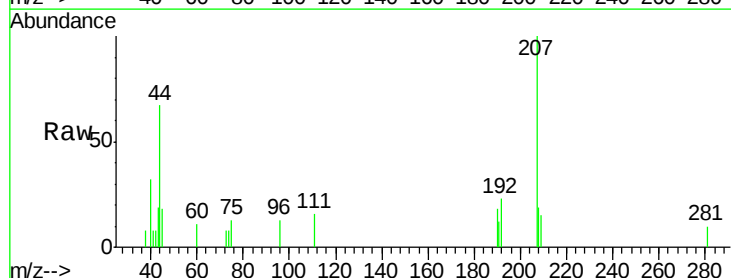
Tgt Ion: 75 Resp: 284

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

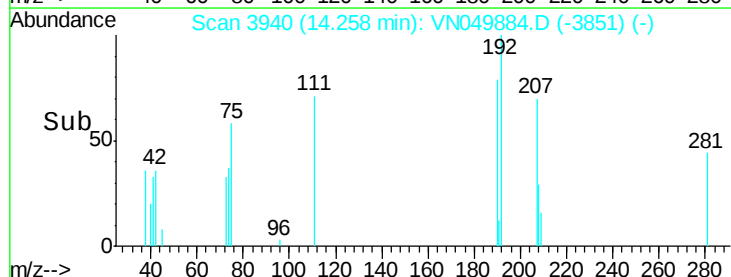
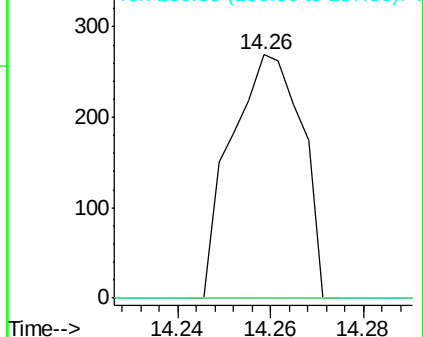
157 0.0 56.9 170.7#

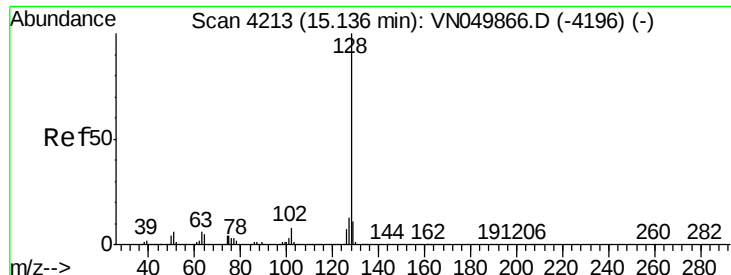


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

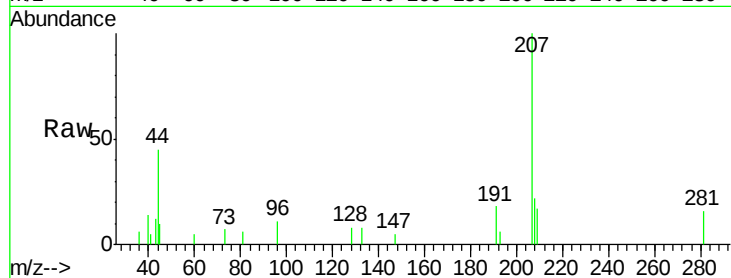




#95
Naphthalene
Concen: 4.51 ug/l
RT: 15.15 min Scan# 4216
Delta R.T. 0.01 min
Lab File: VN049884.D
Acq: 18 Jul 2018 20:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#



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

