

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049828.D
 Acq On : 14 Jul 2018 5:31
 Operator : MD\SY
 Sample : J3959-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20180712

Quant Time: Jul 14 06:30:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1279228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2089549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1724122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	661353	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	885590	59.51	ug/l	0.00
Spiked Amount			Recovery	=	119.02%	
35) Dibromofluoromethane	7.59	113	800226	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	10.09	98	2809053	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.40	95	777356	40.37	ug/l	0.00
Spiked Amount			Recovery	=	80.74%	

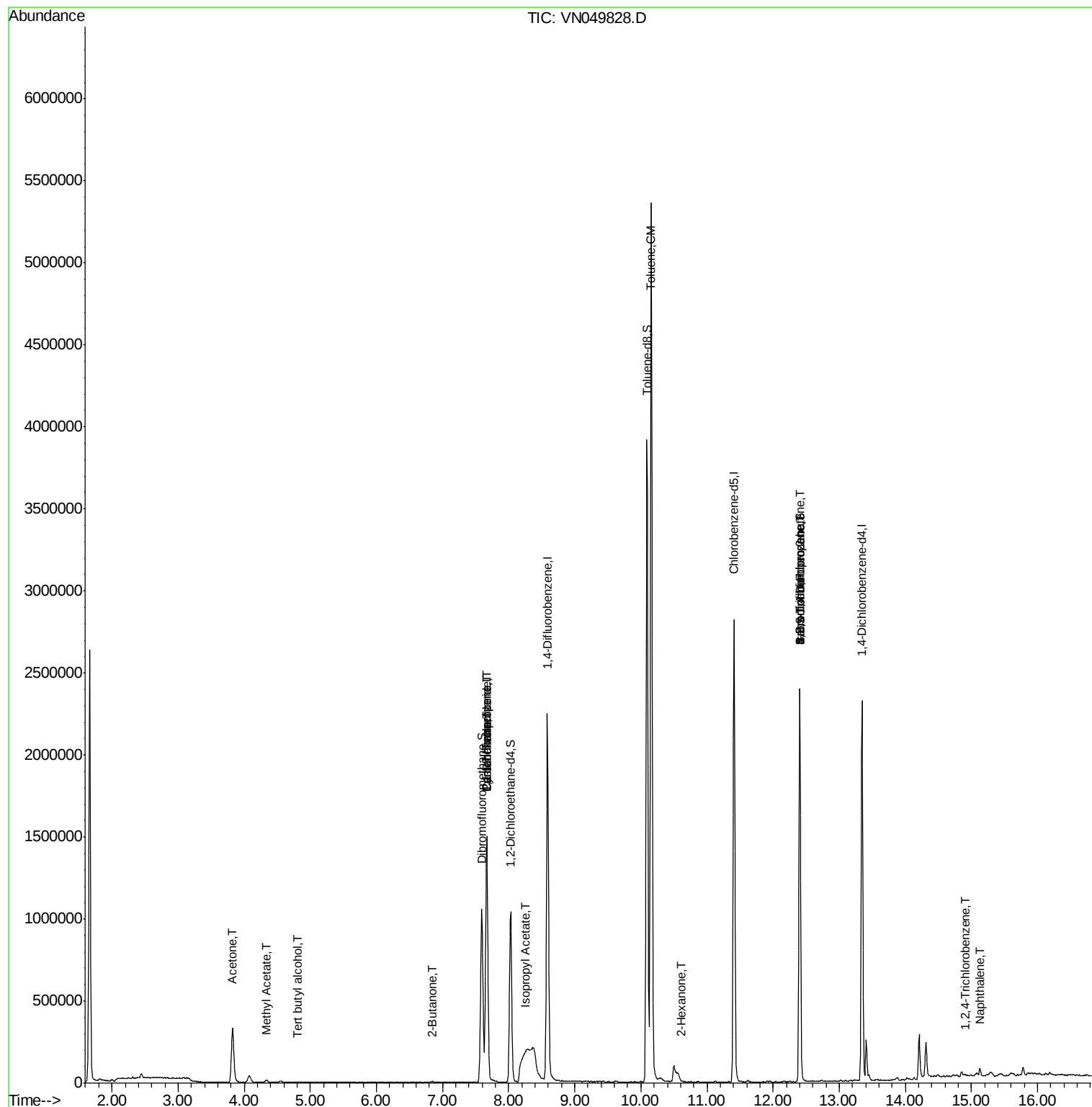
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2784	Below Cal		90
4) Vinyl Chloride	2.19	62	170	Below Cal	#	43
5) Bromomethane	2.57	94	438	Below Cal	#	57
11) Tert butyl alcohol	4.81	59	699	0.70	ug/l	# 72
16) Acetone	3.82	43	550833	149.57	ug/l	100
17) Carbon Disulfide	4.05	76	4588	Below Cal	#	90
18) Methyl Acetate	4.33	43	25326	1.32	ug/l	95
20) Methylene Chloride	4.56	84	2703	Below Cal	#	93
25) 2-Butanone	6.85	43	4463	0.77	ug/l	99
31) Cyclohexane	7.67	56	23367	0.76	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	87510	3.63	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	113641	4.51	ug/l	# 16
43) Isopropyl Acetate	8.25	43	267980	10.46	ug/l	# 62
52) Toluene	10.16	92	2435357	56.49	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	578	Below Cal	#	15
59) 2-Hexanone	10.62	43	2457	0.27	ug/l	87
71) Bromoform	12.40	173	6601	0.58	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.48	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	382257	32.54	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	382257	105.07	ug/l	# 13
90) Hexachloroethane	13.85	117	58	Below Cal	#	4
92) 1,2-Dibromo-3-Chloropropan	14.27	75	164	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	76	2.90	ug/l	# 1
95) Naphthalene	15.14	128	5361	4.19	ug/l	# 47

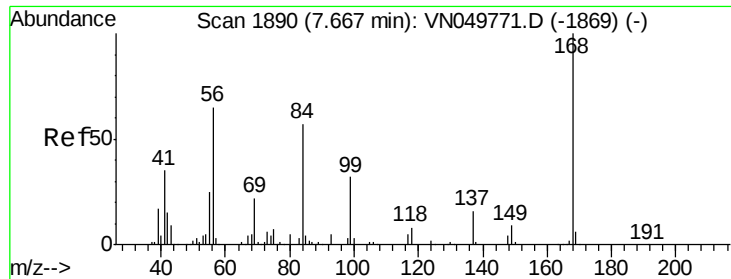
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1891

Delta R.T. 0.00 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

Instrument :

MSVOA_N

ClientSampleId :

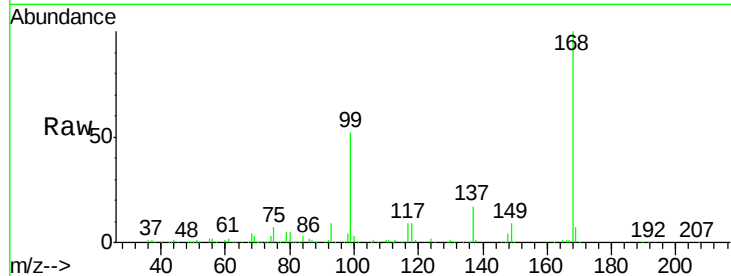
WC-20180712

Tot Ion:168 Resp: 1279228

Ion Ratio Lower Upper

168 100

99 52.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049771.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049771.D (-1869) (-)

7.67

600000

500000

400000

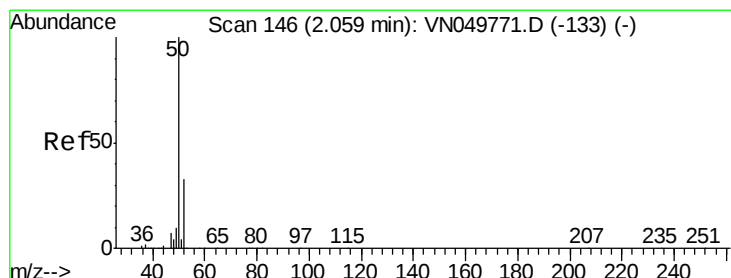
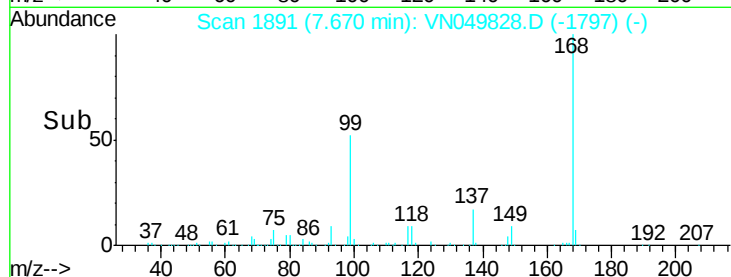
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049828.D

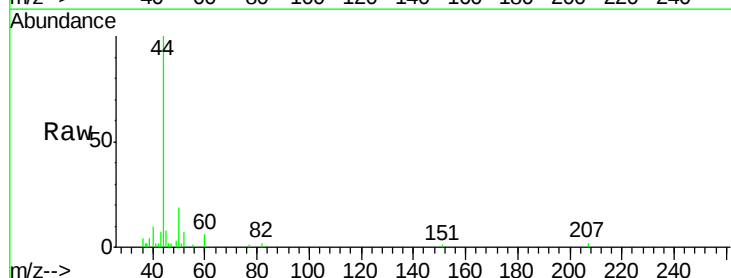
Acq: 14 Jul 2018 5:31

Tgt Ion: 50 Resp: 2784

Ion Ratio Lower Upper

50 100

52 38.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN049771.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN049771.D (-133) (-)

2.06

2500

2000

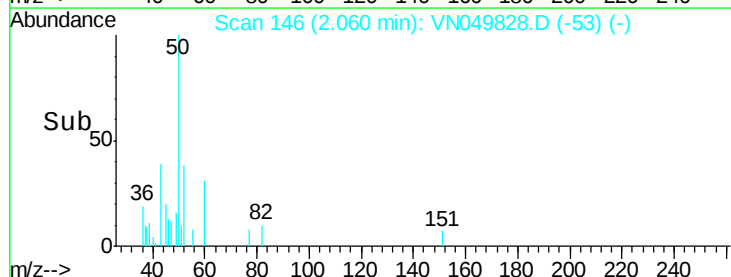
1500

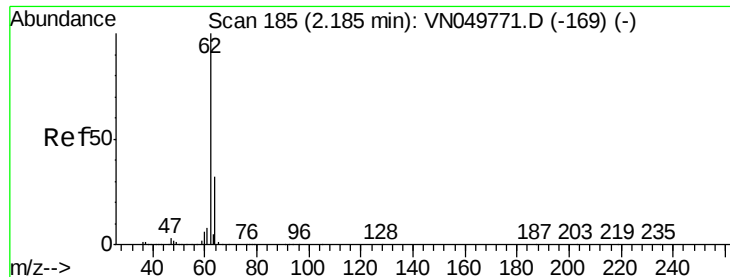
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.19 min Scan# 186

Delta R.T. 0.00 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

Instrument :

MSVOA_N

ClientSampled :

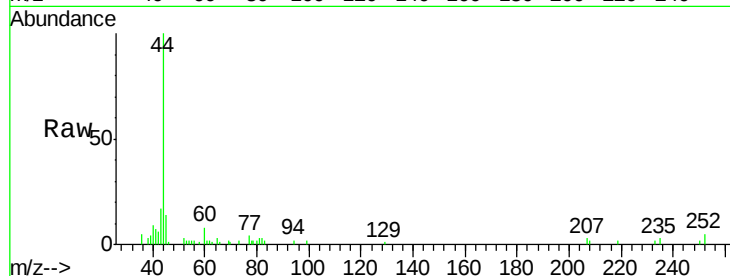
WC-20180712

Tot Ion: 62 Resp: 170

Ion Ratio Lower Upper

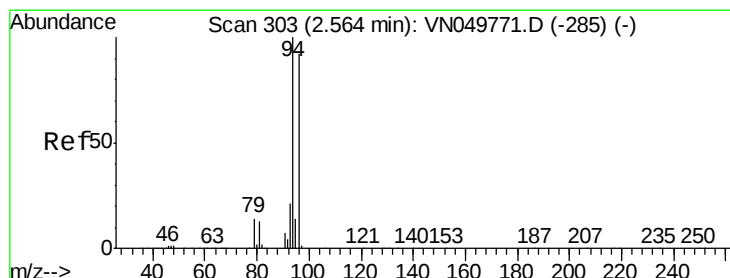
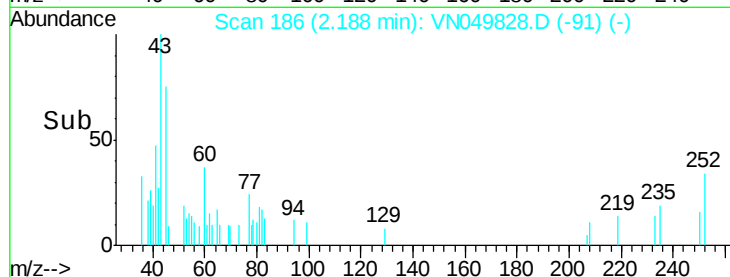
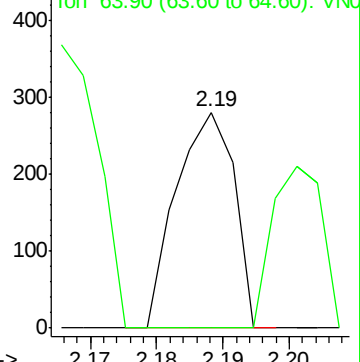
62 100

64 0.0 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049828.D

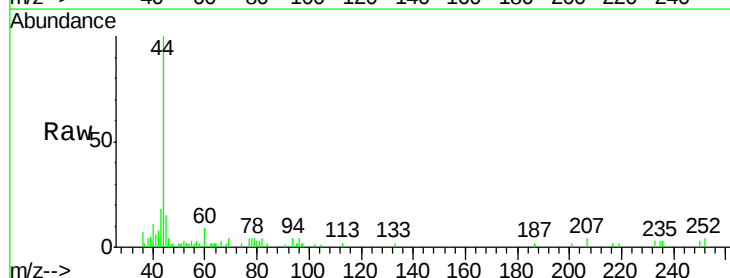
Acq: 14 Jul 2018 5:31

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

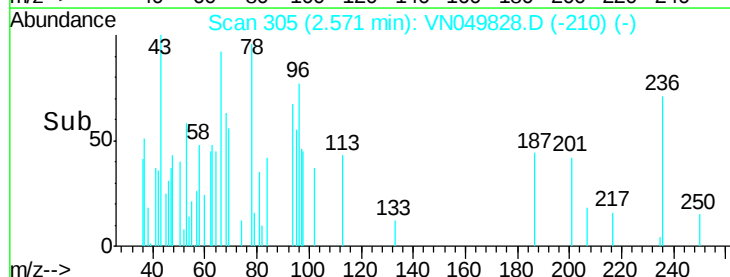
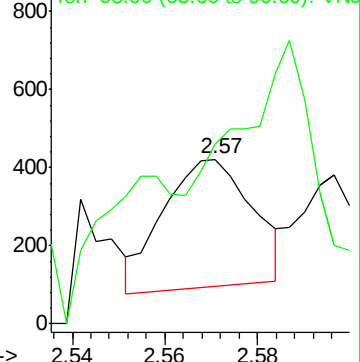
94 100

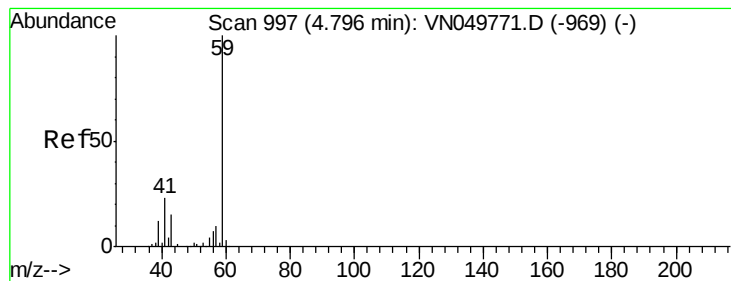
96 53.4 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



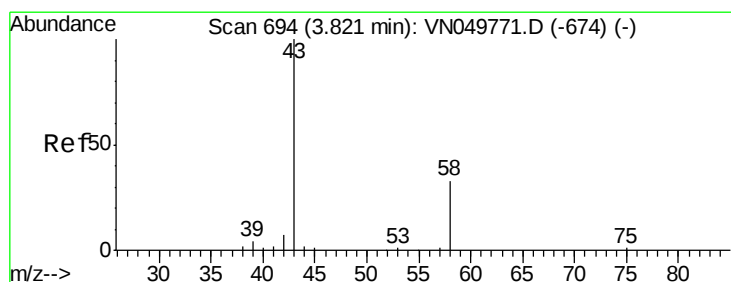
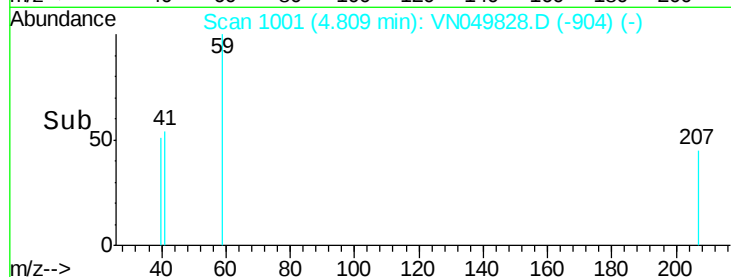
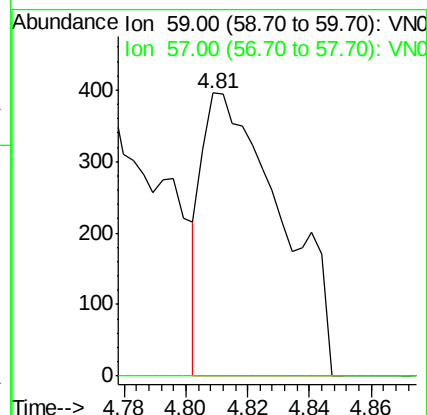
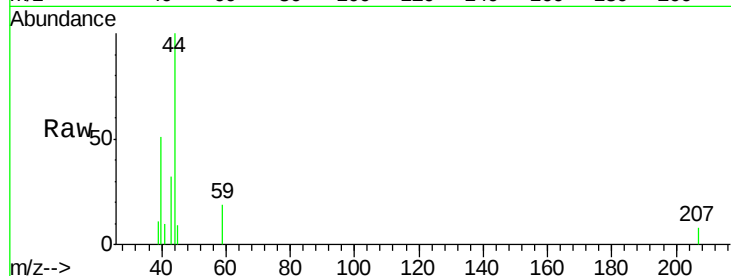


#11

Tert butyl alcohol
Concen: 0.70 ug/l
RT: 4.81 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Instrument :
MSVOA_N
ClientSampled :
WC-20180712

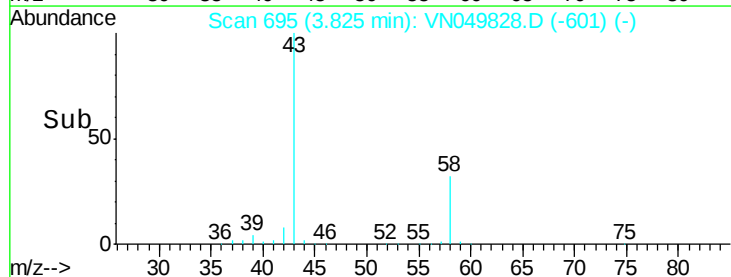
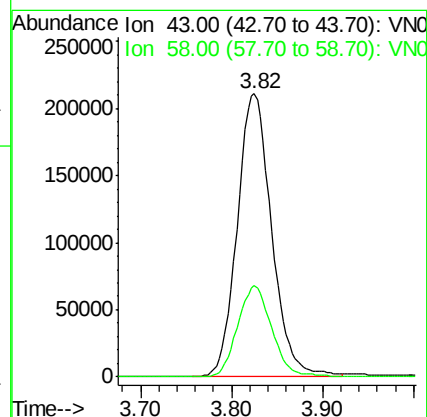
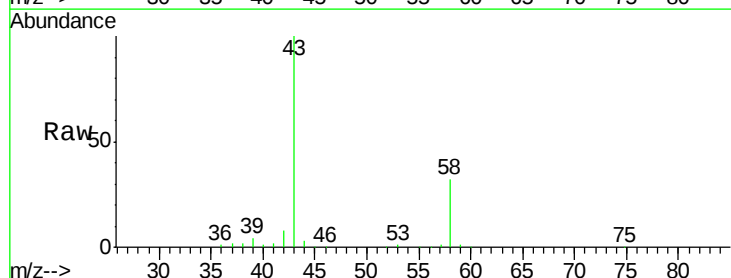
Tot Ion: 59 Resp: 699
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

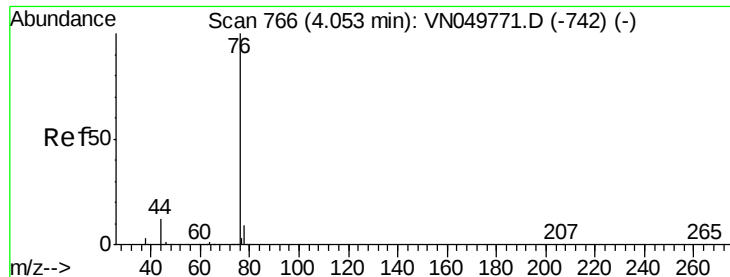


#16

Acetone
Concen: 149.57 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Tgt Ion: 43 Resp: 550833
Ion Ratio Lower Upper
43 100
58 32.2 25.9 38.9

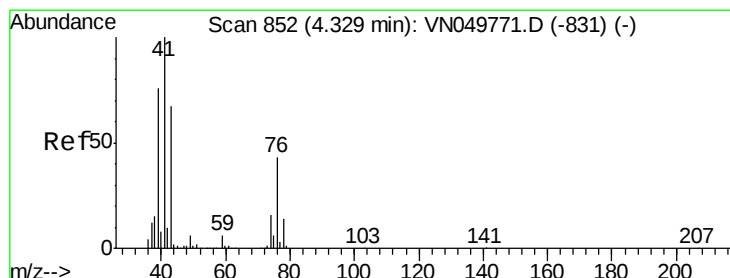
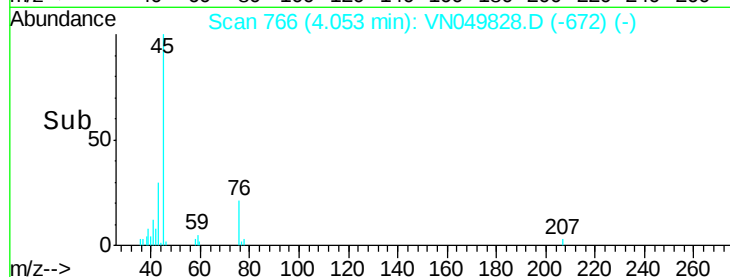
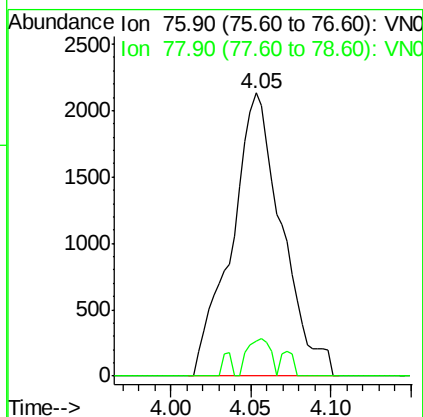
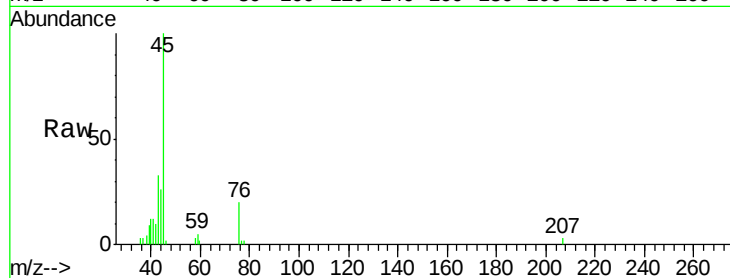




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

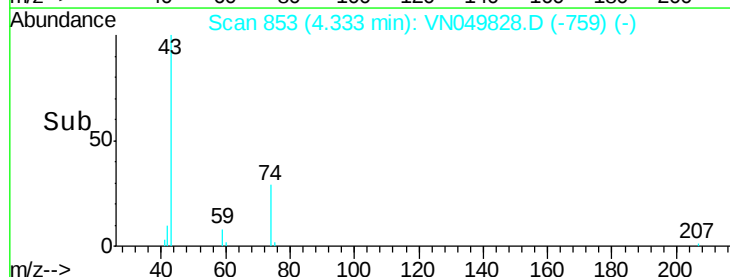
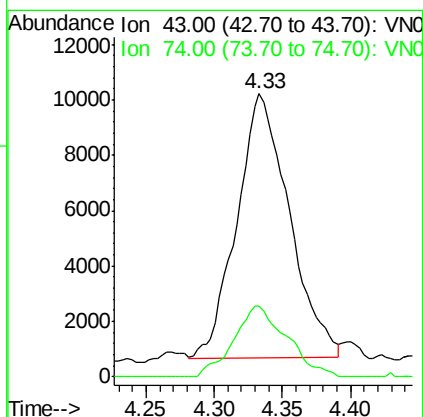
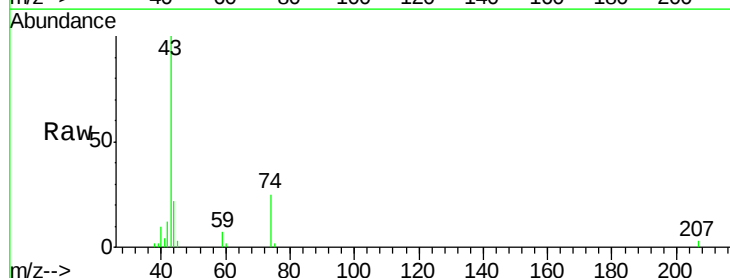
Instrument :
MSVOA_N
ClientSampleId :
WC-20180712

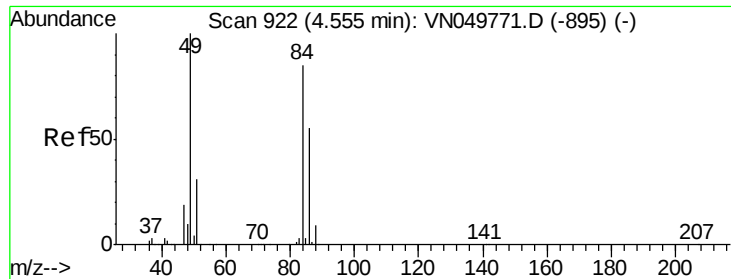
Tot Ion: 76 Resp: 4588
Ion Ratio Lower Upper
76 100
78 12.3 7.1 10.7#



#18
Methyl Acetate
Concen: 1.32 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Tgt Ion: 43 Resp: 25326
Ion Ratio Lower Upper
43 100
74 27.4 19.8 29.8

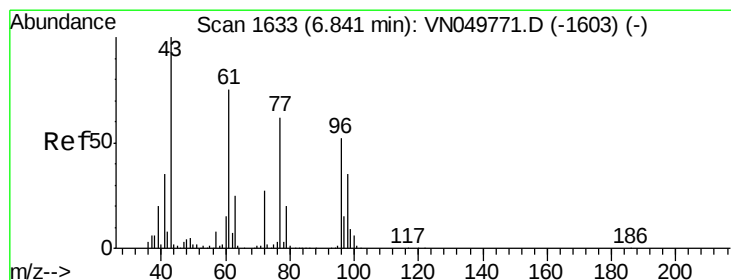
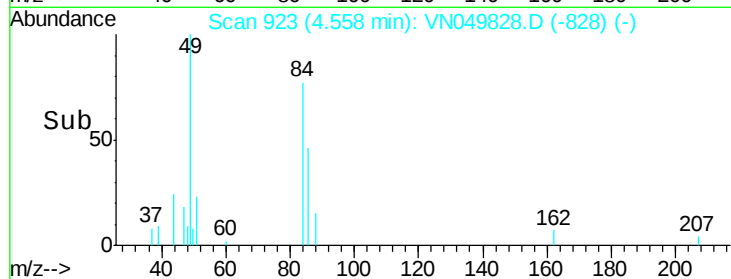
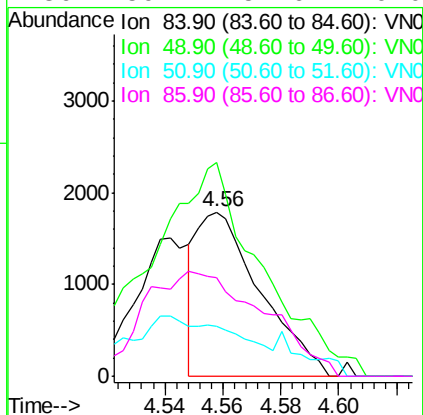
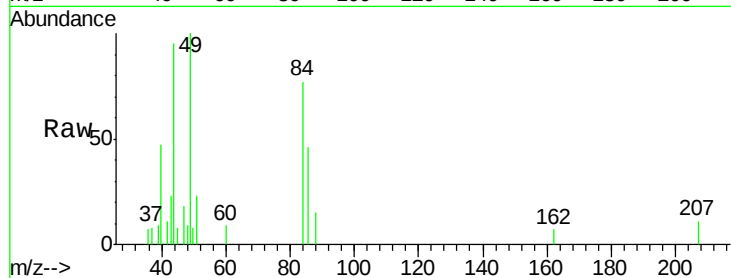




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 923
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

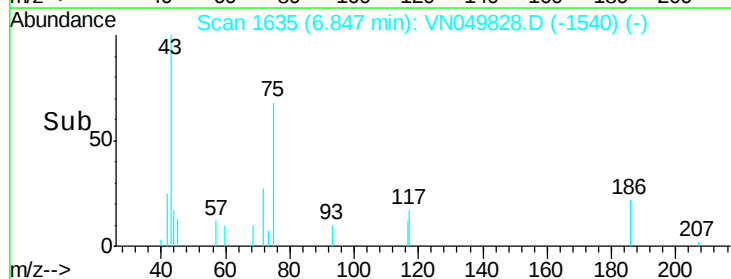
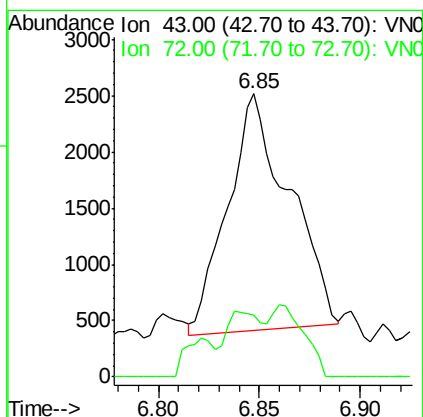
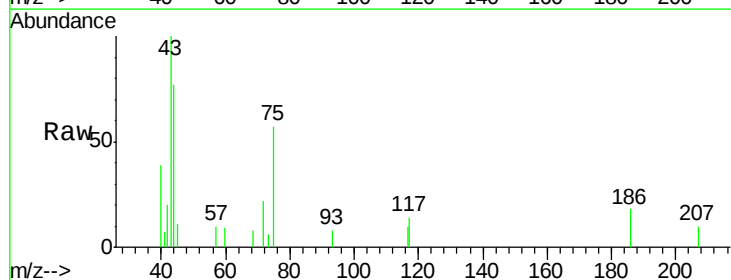
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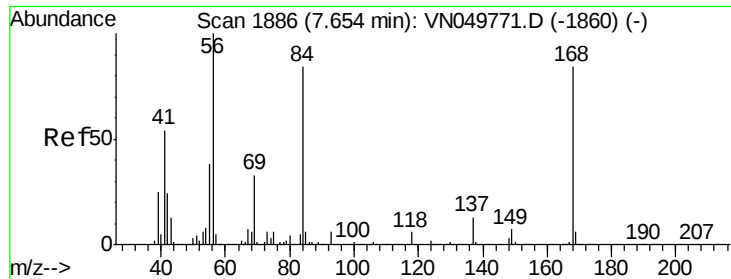
Tot Ion: 84 Resp: 2703
Ion Ratio Lower Upper
84 100
49 118.1 95.4 143.2
51 20.8 28.4 42.6#
86 59.7 52.6 79.0



#25
2-Butanone
Concen: 0.77 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Tgt Ion: 43 Resp: 4463
Ion Ratio Lower Upper
43 100
72 27.1 22.1 33.1

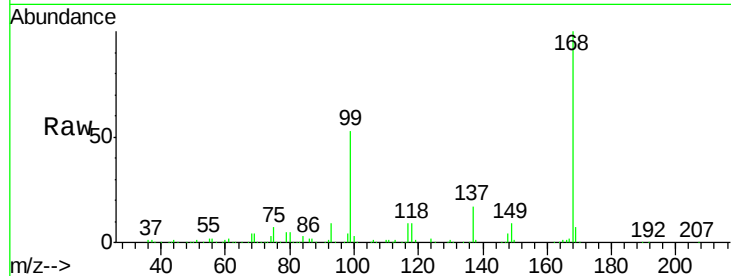




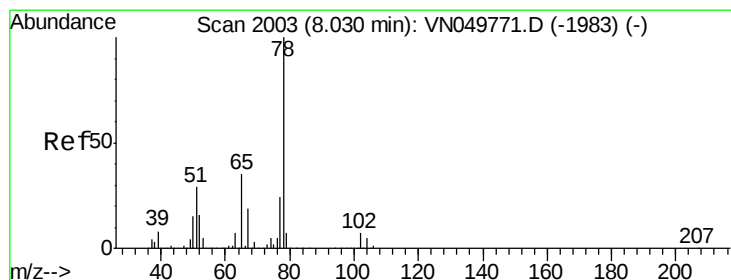
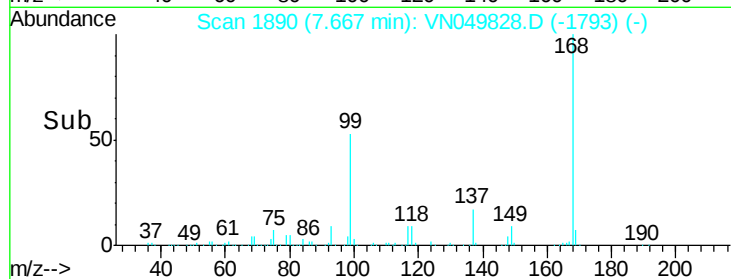
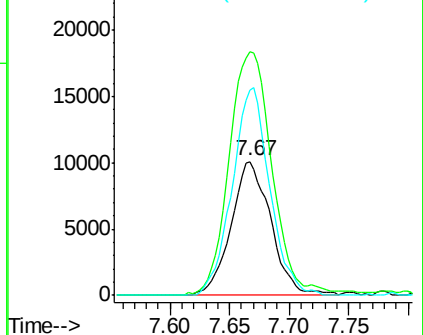
#31
Cyclohexane
Concen: 0.76 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Instrument :
MSVOA_N
ClientSampleId :
WC-20180712

Tot Ion: 56 Resp: 23367
Ion Ratio Lower Upper
56 100
69 180.4 26.6 40.0#
84 153.2 69.0 103.6#

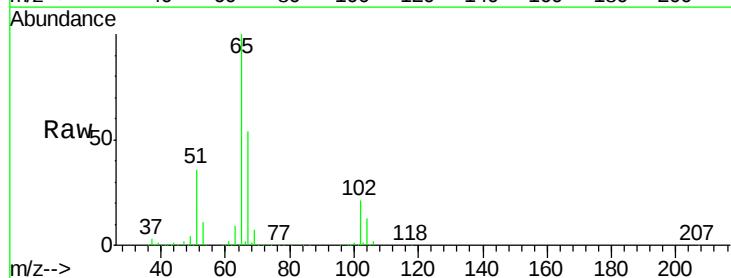


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

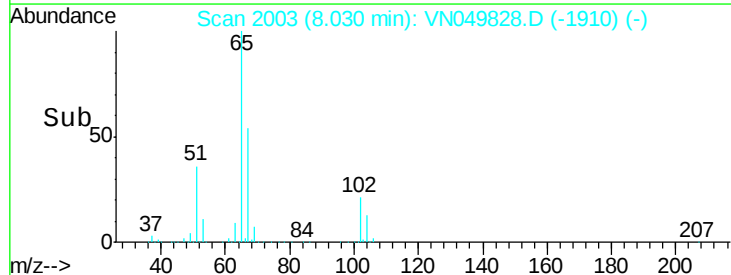
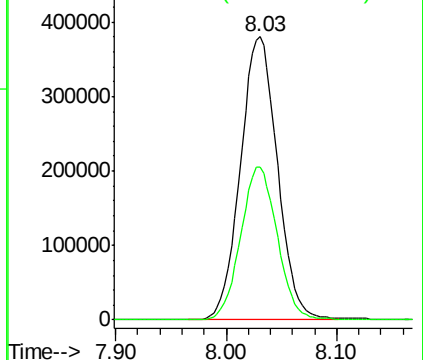


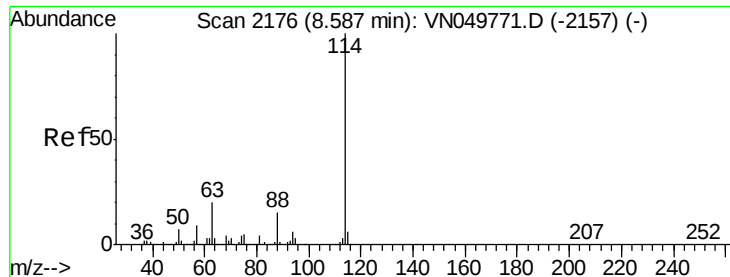
#33
1,2-Dichloroethane-d4
Concen: 59.51 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Tgt Ion: 65 Resp: 885590
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

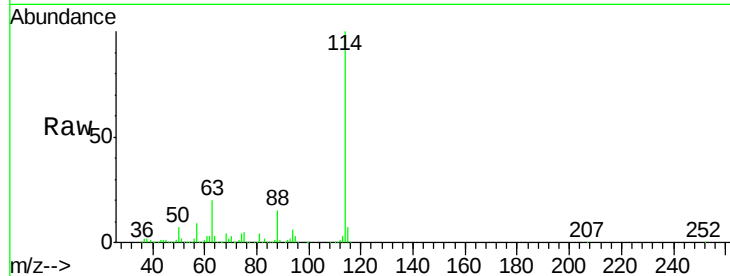




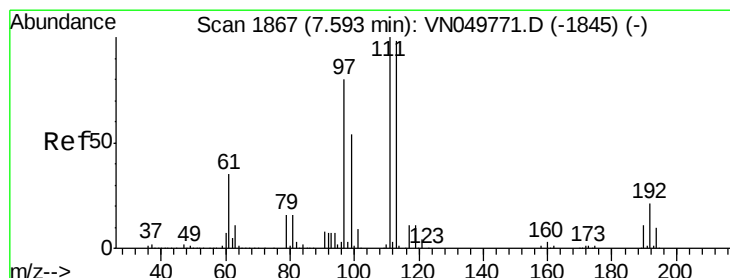
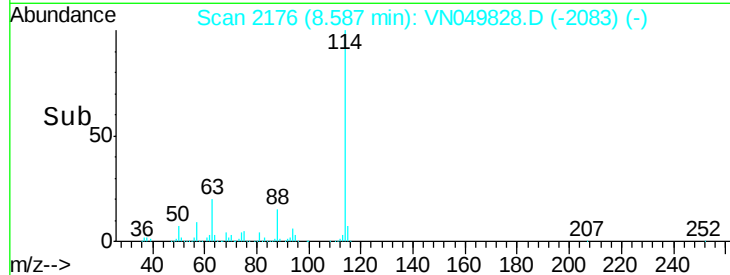
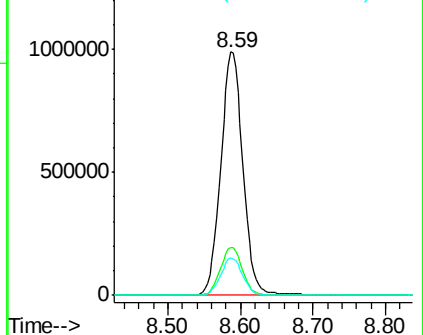
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Instrument :
MSVOA_N
ClientSampled :
WC-20180712

Tot Ion:114 Resp: 2089549
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.8
88 15.2 0.0 30.6

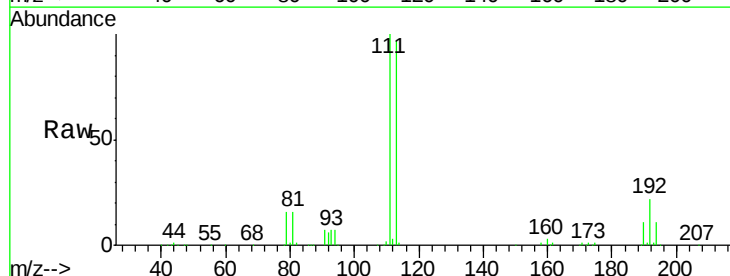


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

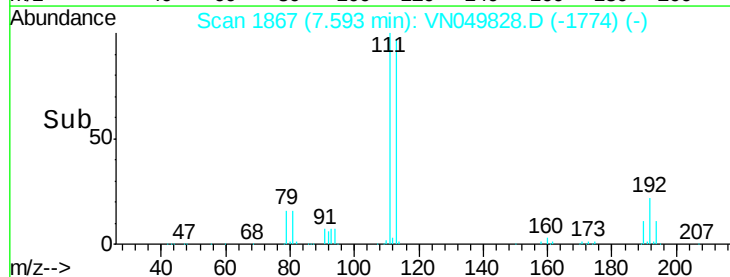
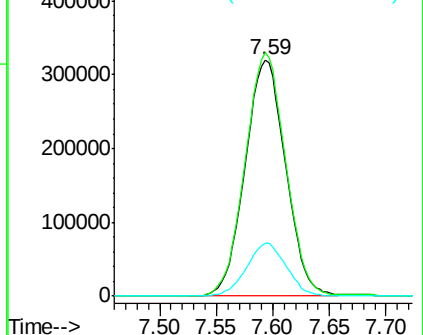


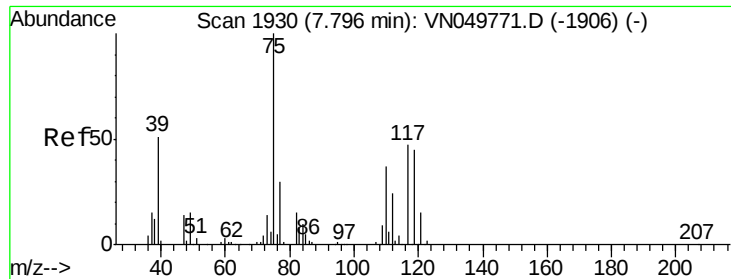
#35
Dibromofluoromethane
Concen: 50.81 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Tgt Ion:113 Resp: 800226
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 22.1 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.63 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

Instrument :

MSVOA_N

ClientSampleId :

WC-20180712

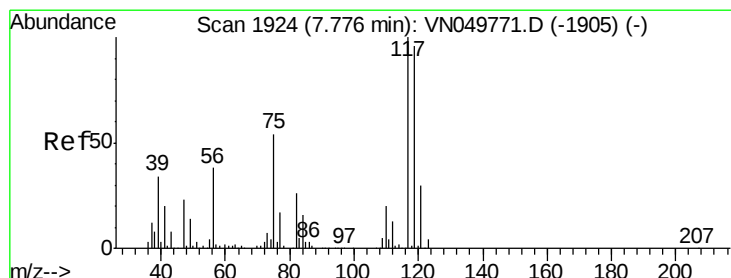
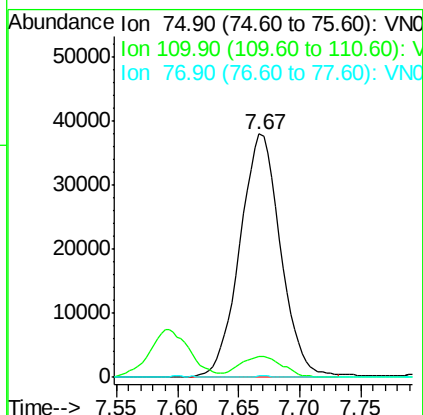
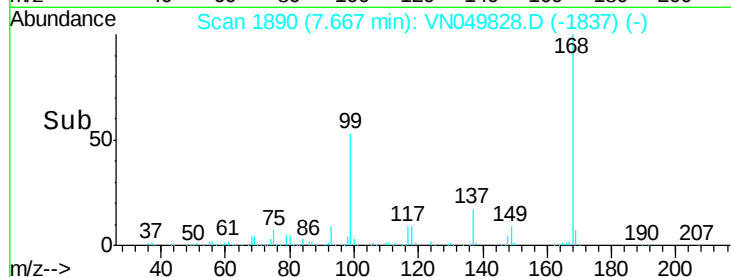
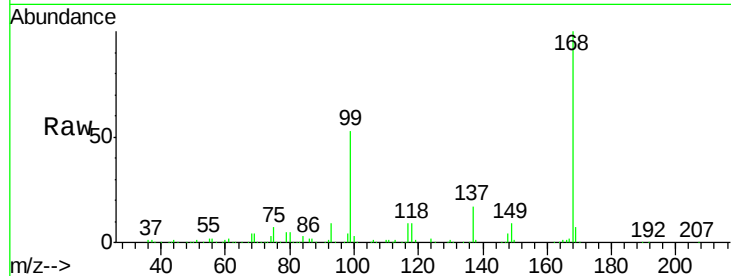
Tot Ion: 75 Resp: 87510

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

77 0.2 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.51 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

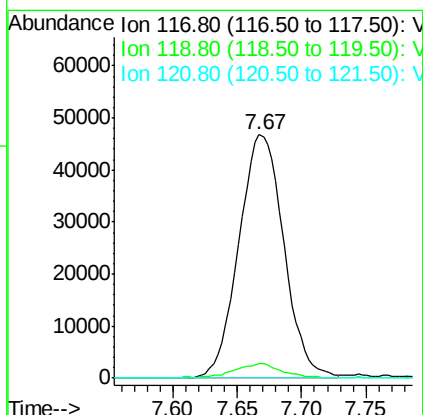
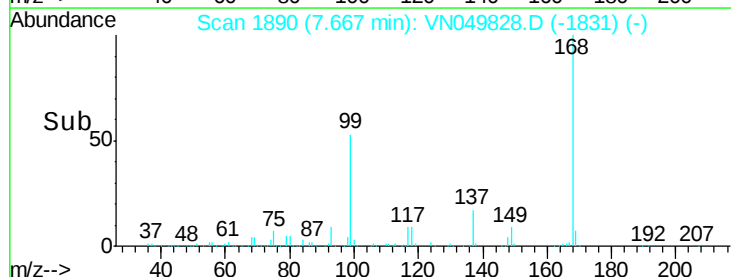
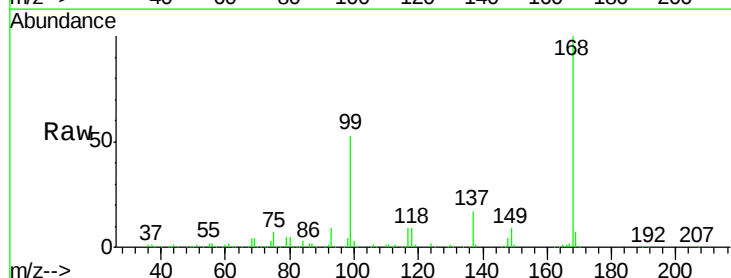
Tgt Ion: 117 Resp: 113641

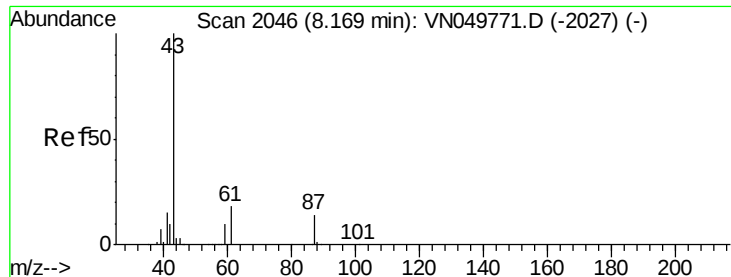
Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

121 0.0 25.0 37.6#

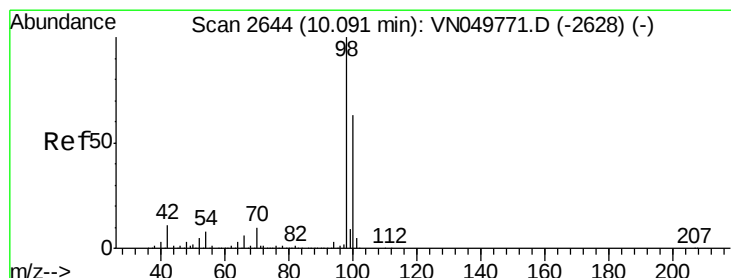
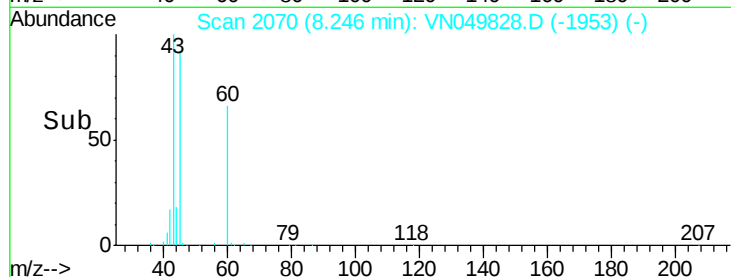
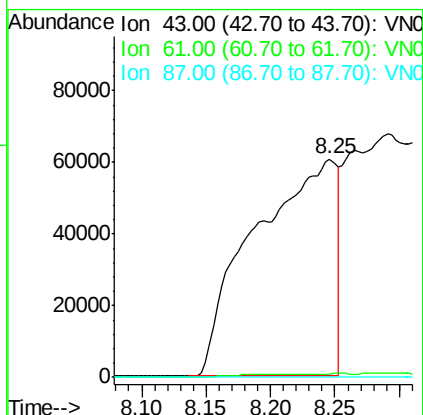
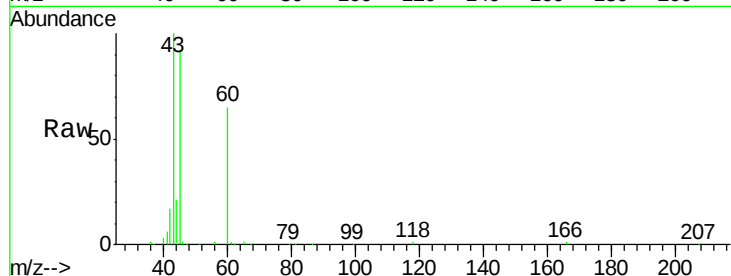




#43
Isopropyl Acetate
Concen: 10.46 ug/l
RT: 8.25 min Scan# 2070
Delta R.T. 0.08 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

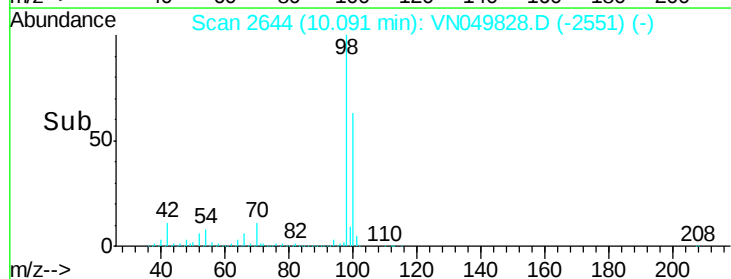
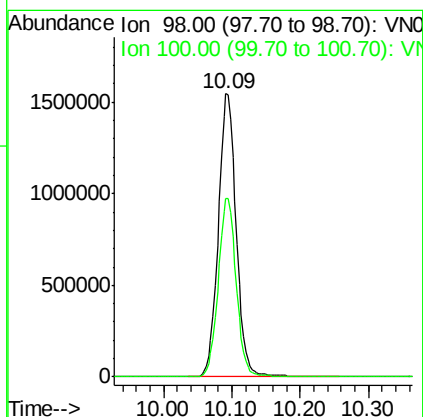
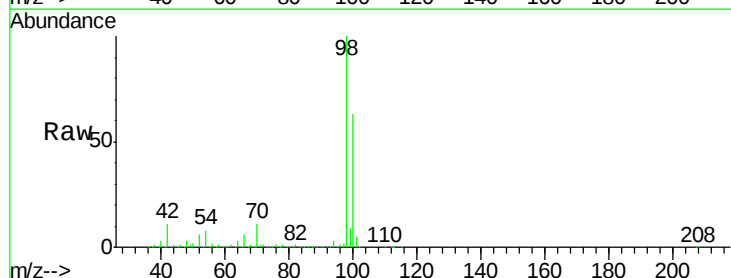
Instrument :
MSVOA_N
ClientSampleId :
WC-20180712

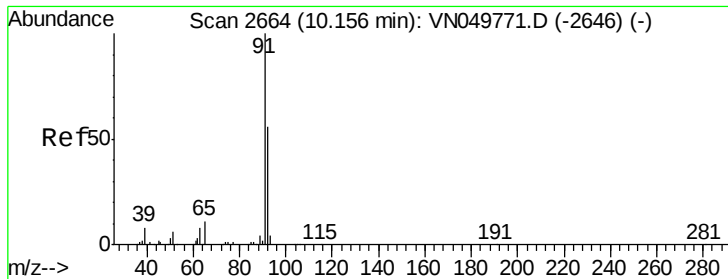
Tot Ion: 43 Resp: 267980
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#



#50
Toluene-d8
Concen: 52.10 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Tgt Ion: 98 Resp: 2809053
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5





#52

Toluene

Concen: 56.49 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

Instrument :

MSVOA_N

ClientSampled :

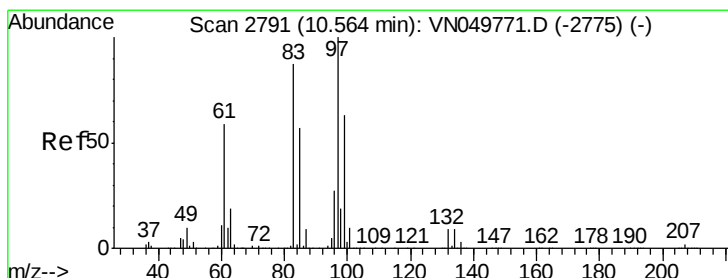
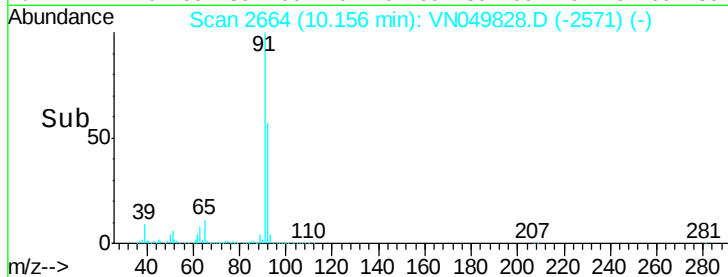
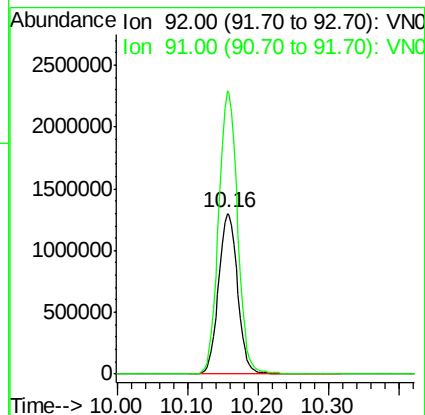
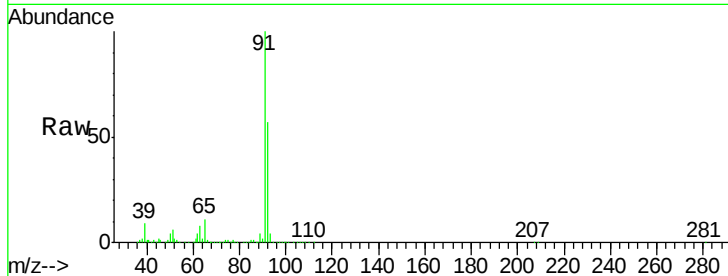
WC-20180712

Tot Ion: 92 Resp: 2435357

Ion Ratio Lower Upper

92 100

91 175.8 140.1 210.1



#55

1,1,2-Trichloroethane

Concen: Below Cal

RT: 10.55 min Scan# 2786

Delta R.T. -0.02 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

Tgt Ion: 97 Resp: 578

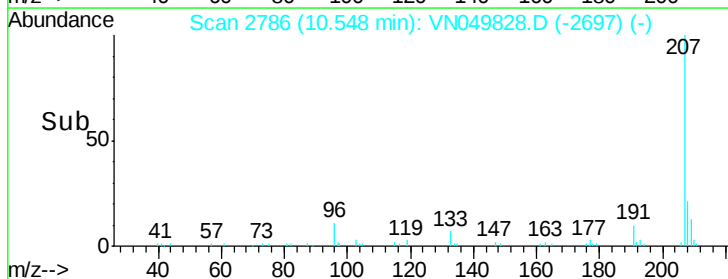
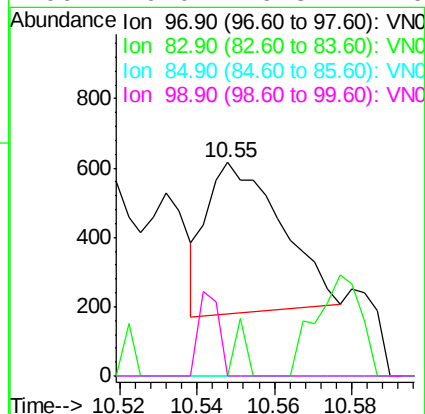
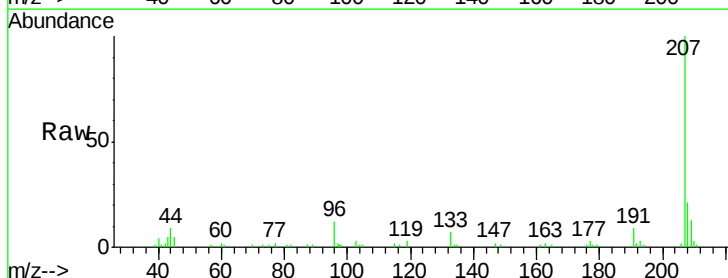
Ion Ratio Lower Upper

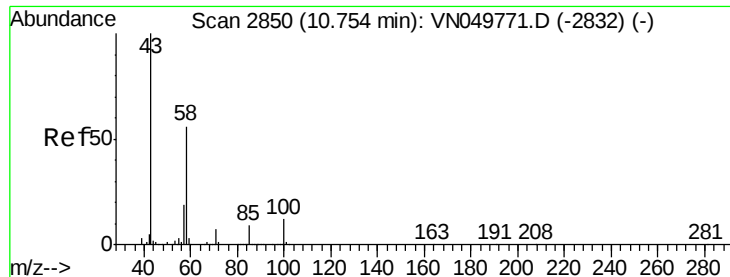
97 100

83 0.0 69.0 103.6#

85 0.0 44.9 67.3#

99 0.0 49.8 74.6#

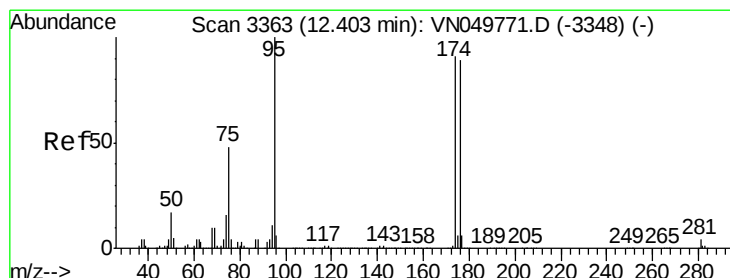
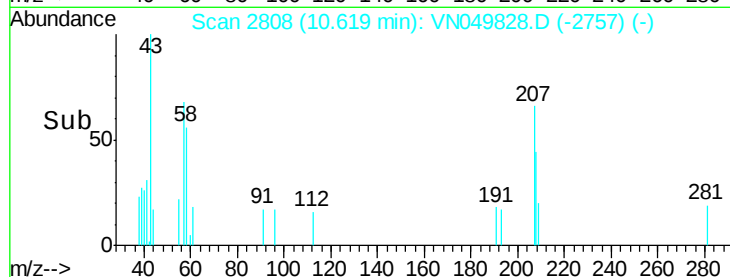
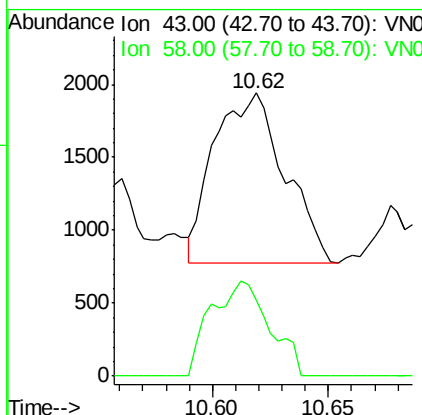
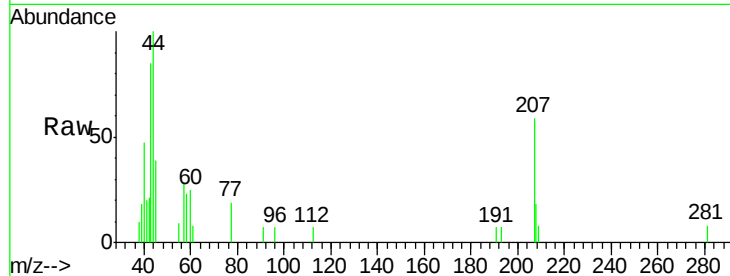




#59
2-Hexanone
Concen: 0.27 ug/l
RT: 10.62 min Scan# 2808
Delta R.T. -0.13 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

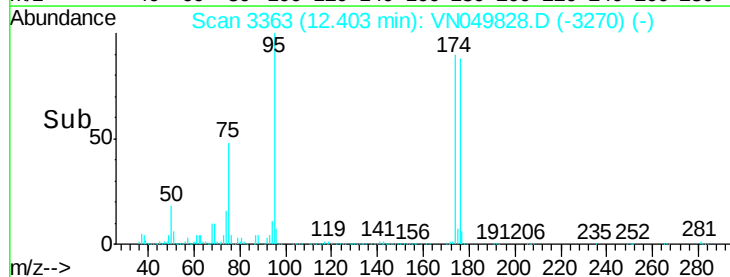
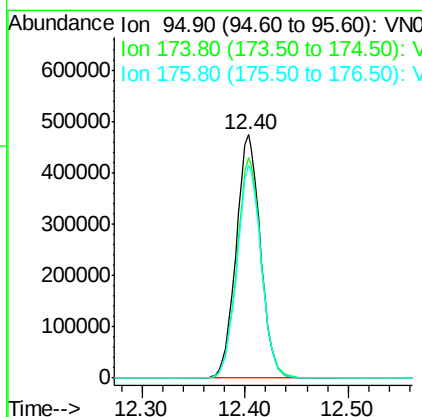
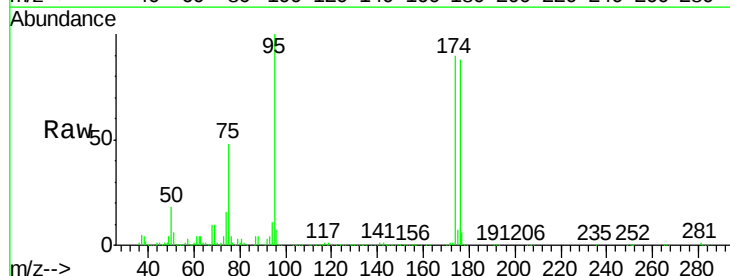
Instrument :
MSVOA_N
ClientSampleId :
WC-20180712

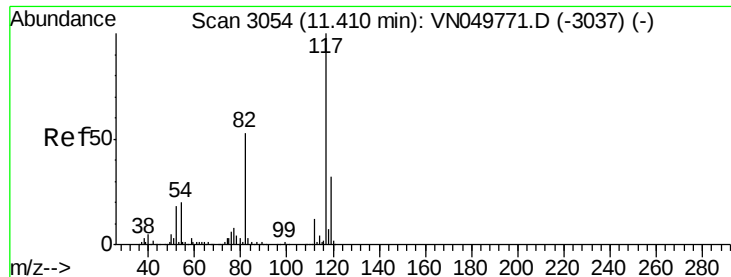
Tot Ion: 43 Resp: 2457
Ion Ratio Lower Upper
43 100
58 46.2 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 40.37 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Tgt Ion: 95 Resp: 777356
Ion Ratio Lower Upper
95 100
174 90.9 0.0 179.6
176 87.4 0.0 174.0

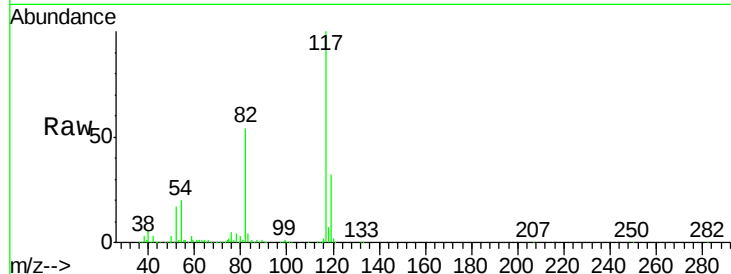




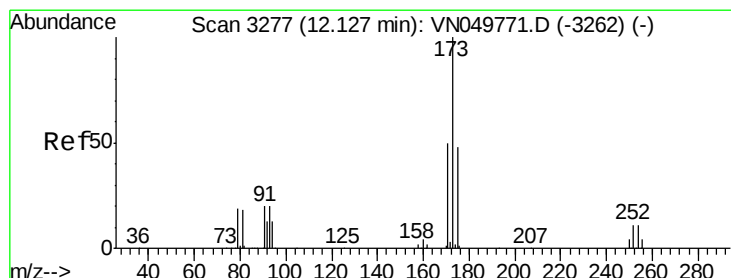
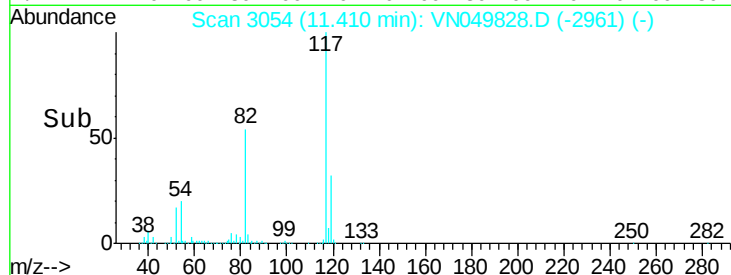
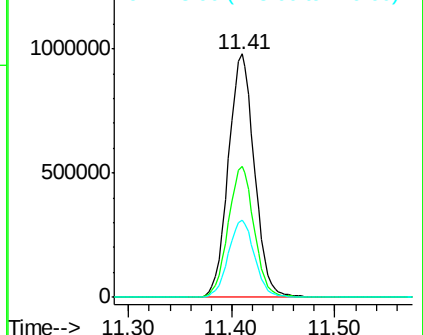
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Instrument :
MSVOA_N
ClientSampled :
WC-20180712

Tot Ion:117 Resp: 1724122
Ion Ratio Lower Upper
117 100
82 53.7 41.9 62.9
119 31.7 25.4 38.2

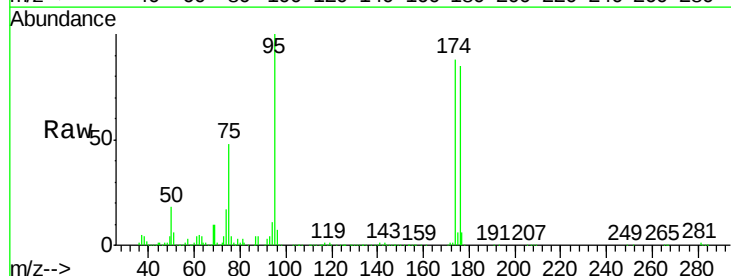


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

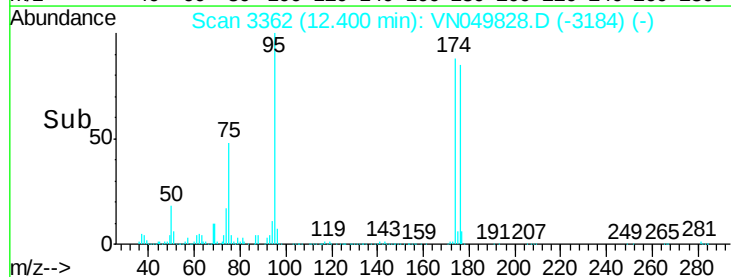
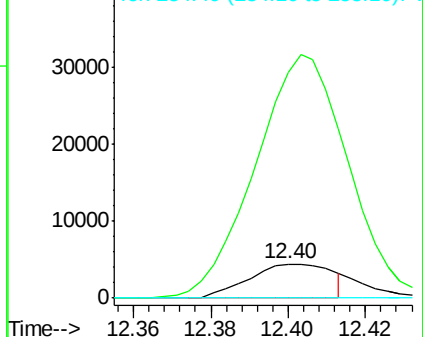


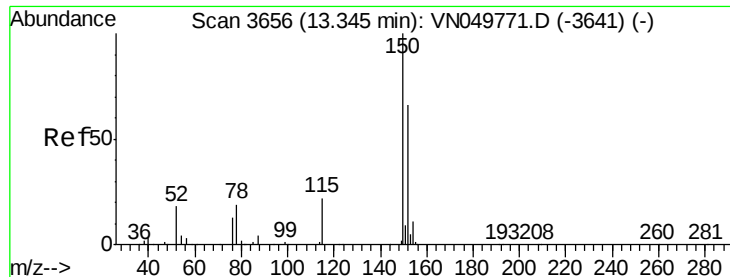
#71
Bromoform
Concen: 0.58 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049828.D
Acq: 14 Jul 2018 5:31

Tgt Ion:173 Resp: 6601
Ion Ratio Lower Upper
173 100
175 669.2 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: VN049828.D

Acq: 14 Jul 2018 5:31

Instrument :

MSVOA_N

ClientSampled :

WC-20180712

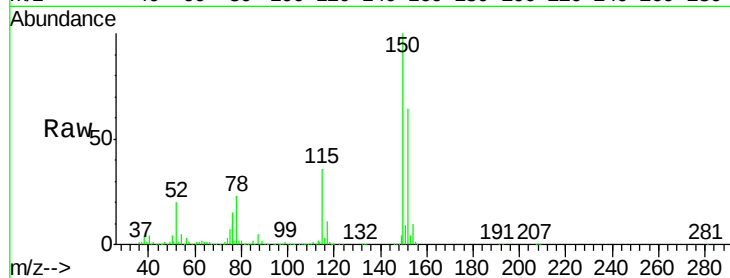
Tot Ion:152 Resp: 661353

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

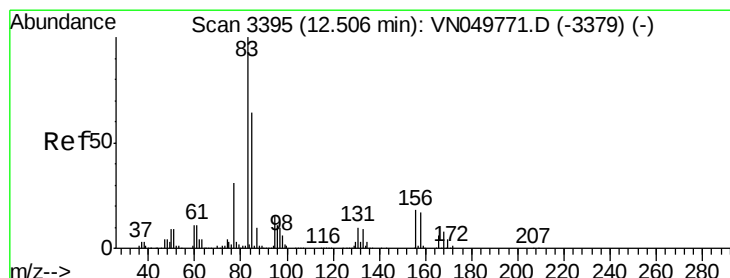
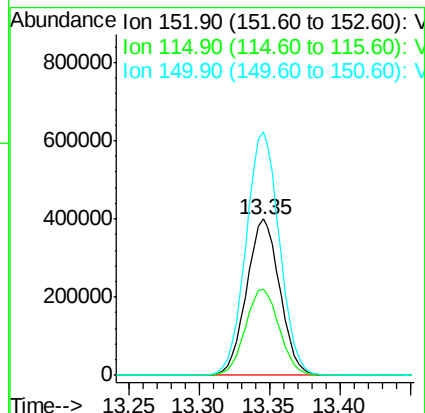
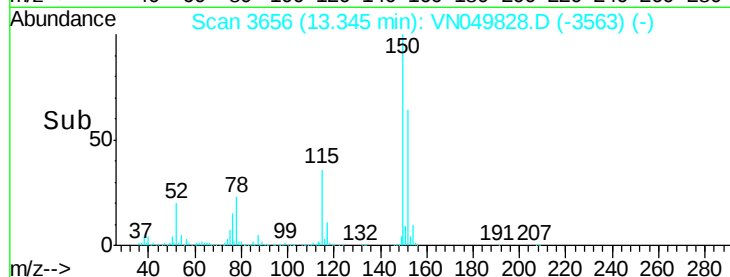
150 156.5 0.0 347.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3386

Delta R.T. -0.03 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

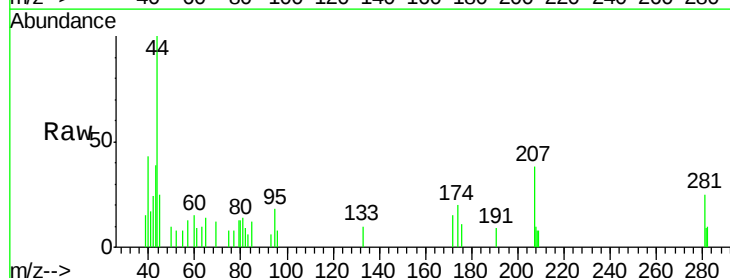
Tgt Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

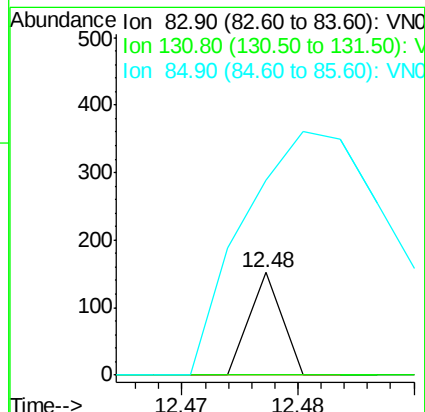
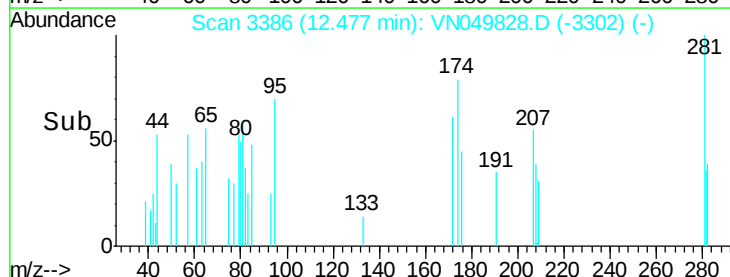
85 1062.1 32.5 97.4#

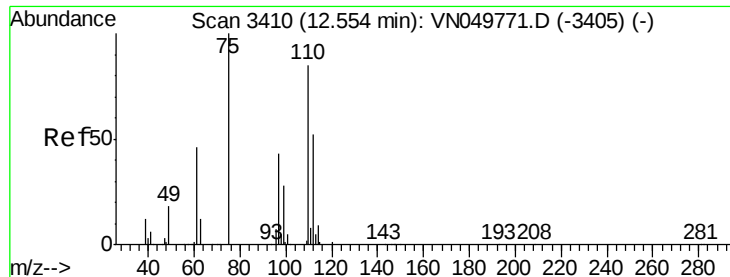


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 32.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

Instrument :

MSVOA_N

ClientSampleId :

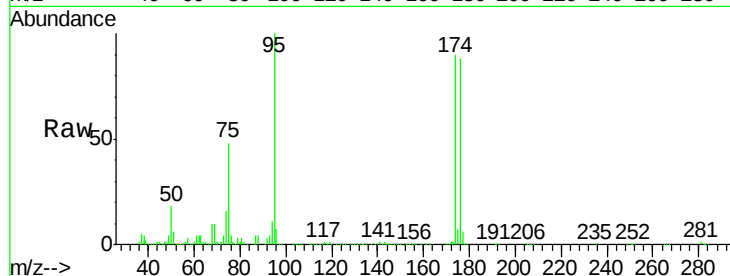
WC-20180712

Tot Ion: 75 Resp: 382257

Ion Ratio Lower Upper

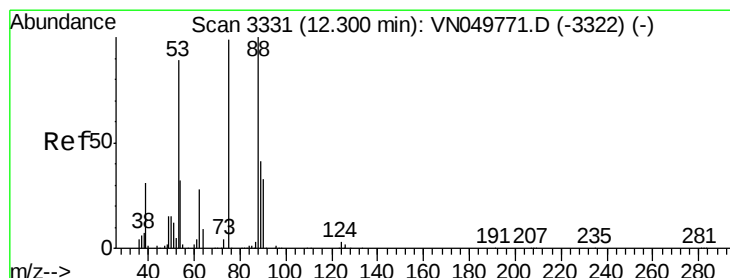
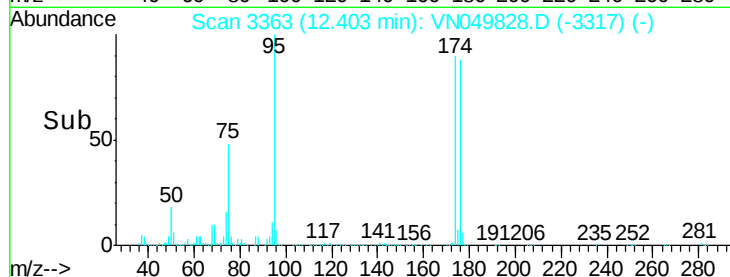
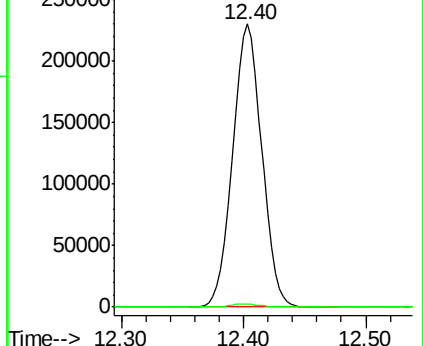
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 105.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

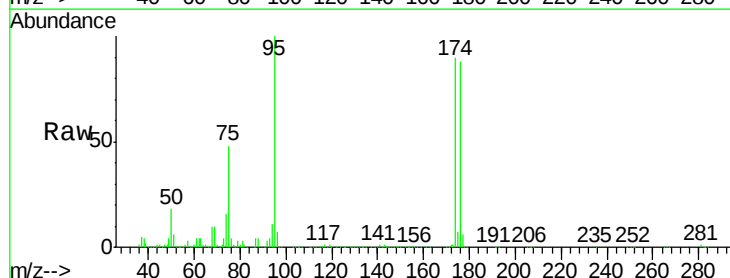
Tgt Ion: 75 Resp: 382257

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

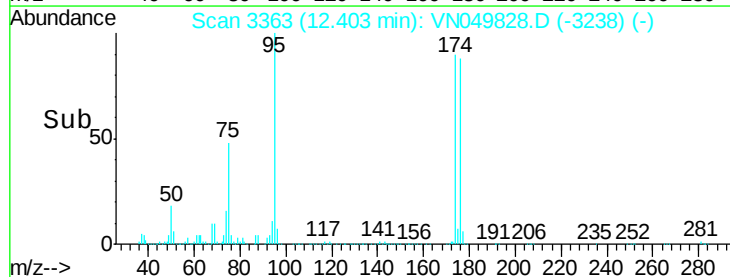
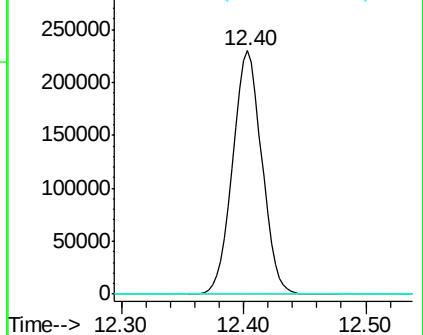
89 0.0 35.9 53.9#

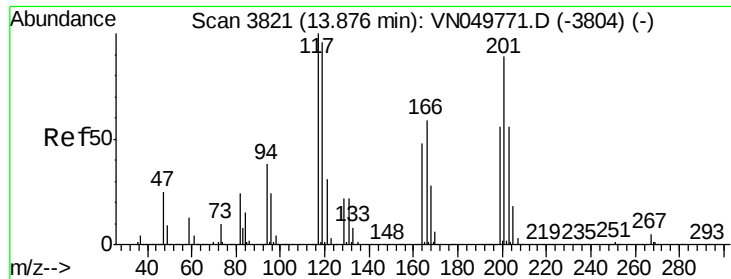


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: Below Cal

RT: 13.85 min Scan# 3814

Delta R.T. -0.02 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

Instrument :

MSVOA_N

ClientSampled :

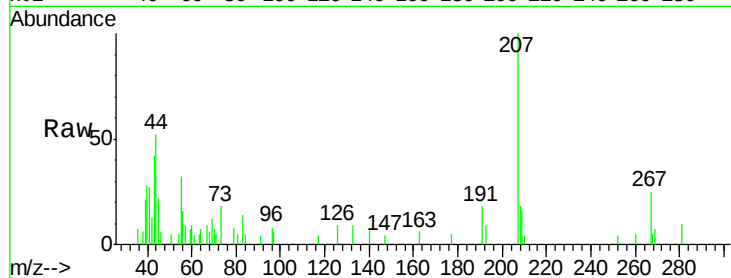
WC-20180712

Tot Ion:117 Resp: 58

Ion Ratio Lower Upper

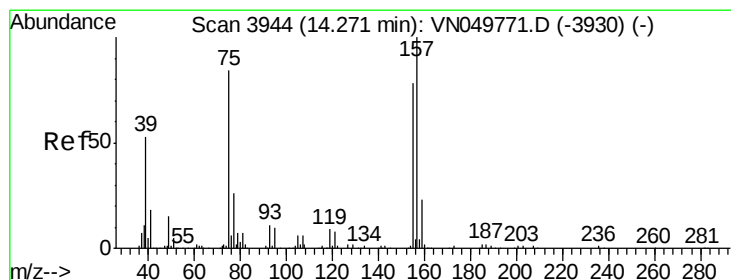
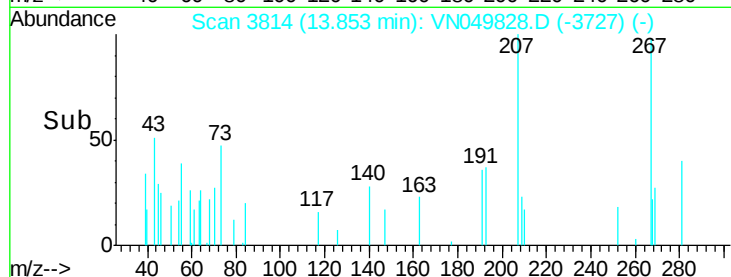
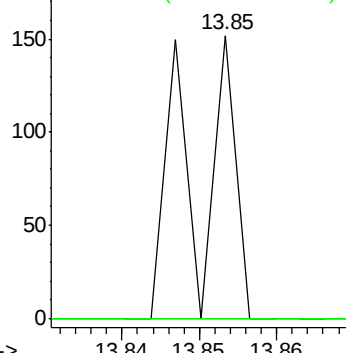
117 100

201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049828.D

Acq: 14 Jul 2018 5:31

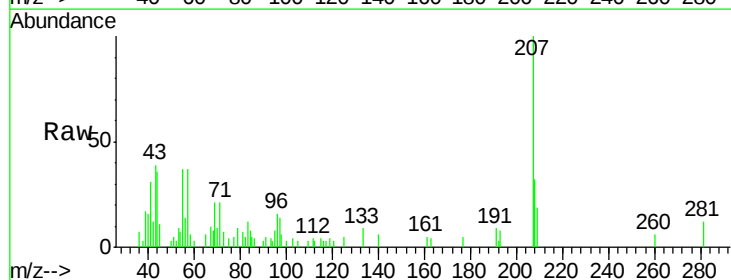
Tgt Ion: 75 Resp: 164

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

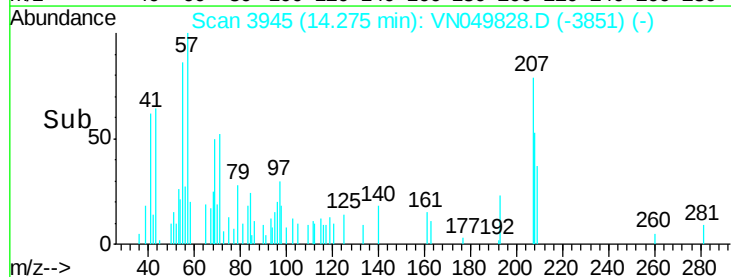
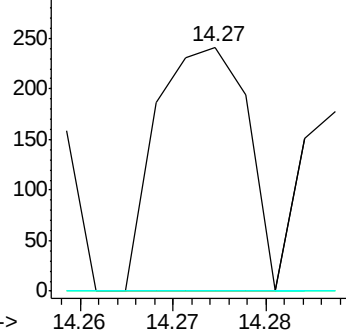
157 0.0 56.9 170.7#

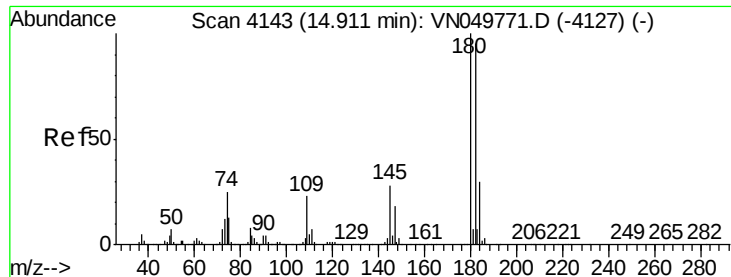


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

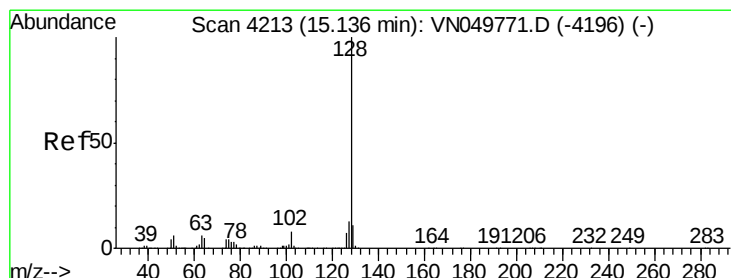
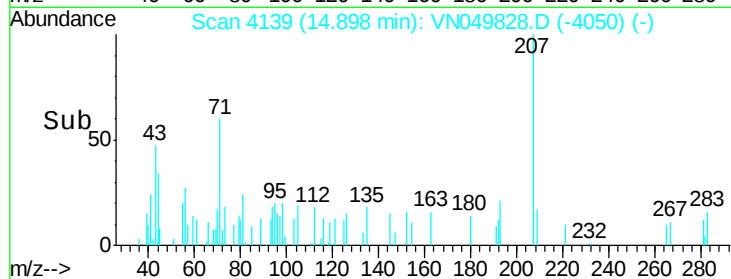
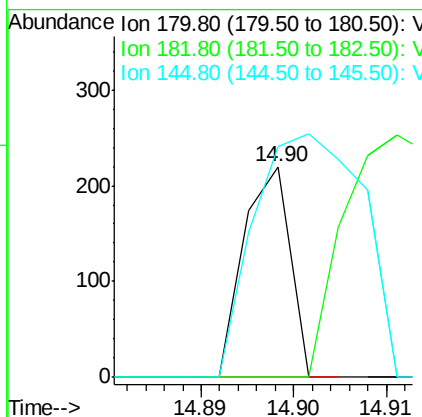
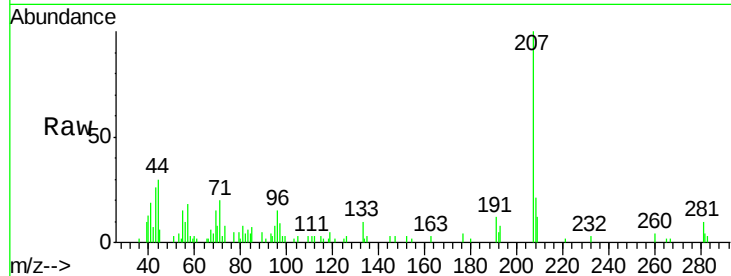




#93
 1,2,4-Trichlorobenzene
 Concen: 2.90 ug/l
 RT: 14.90 min Scan# 4139
 Delta R.T. -0.01 min
 Lab File: VN049828.D
 Acq: 14 Jul 2018 5:31

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20180712

Tot Ion:180 Resp: 76
 Ion Ratio Lower Upper
 180 100
 182 368.4 47.3 141.9#
 145 271.1 14.4 43.0#



#95
 Naphthalene
 Concen: 4.19 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN049828.D
 Acq: 14 Jul 2018 5:31

Tgt Ion:128 Resp: 5361
 Ion Ratio Lower Upper
 128 100
 127 50.7 10.4 15.6#
 129 9.7 8.6 13.0

