

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052771.D
 Acq On : 11 Dec 2018 00:30
 Operator : MD\SY
 Sample : J6309-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20181207-WATER

Quant Time: Dec 11 03:14:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1212517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1860175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1632288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	698398	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	618436	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
35) Dibromofluoromethane	7.59	113	527851	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
50) Toluene-d8	10.09	98	2251622	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.40	95	734982	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	

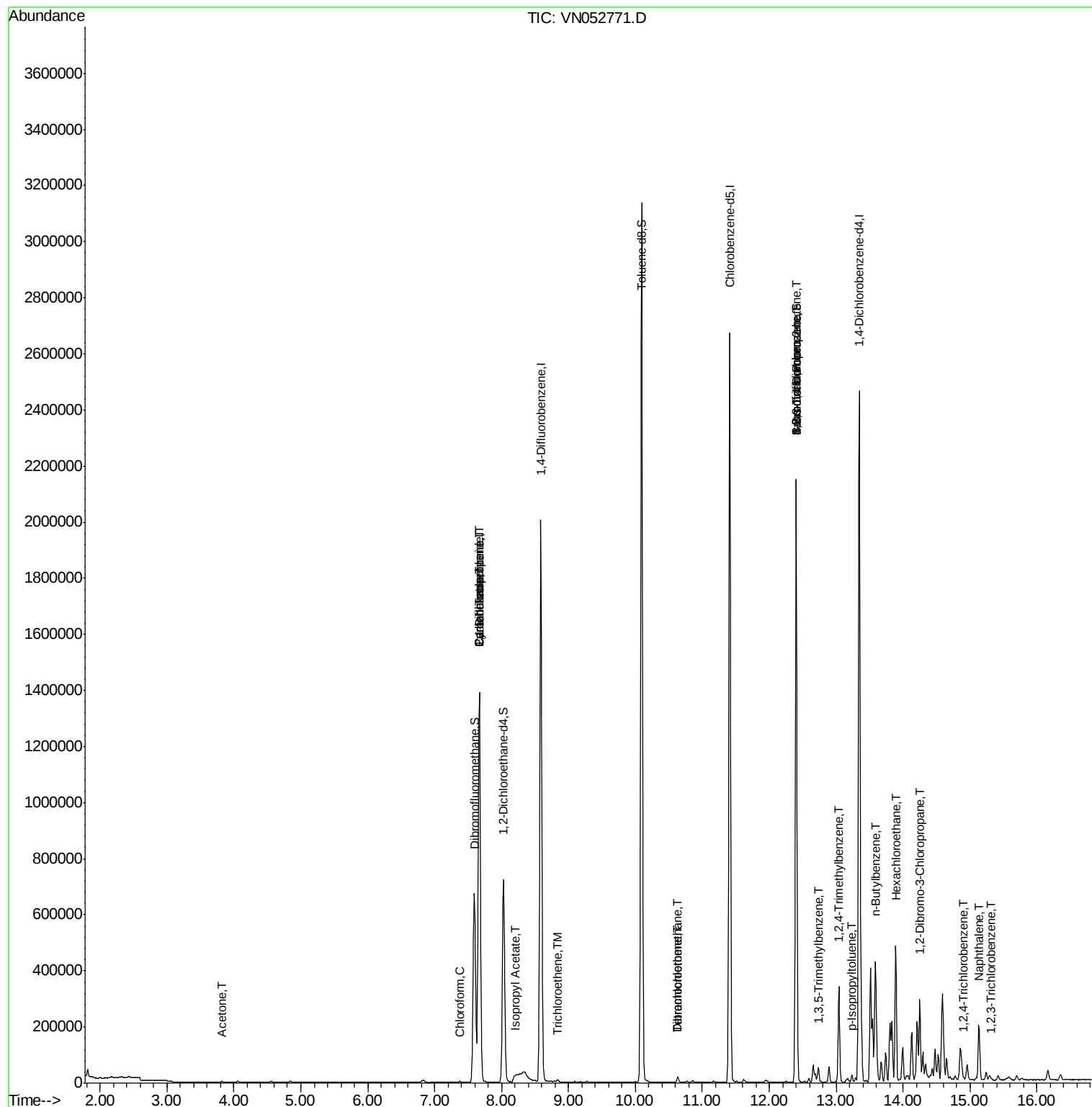
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	6350	1.824	ug/l	98
30) Chloroform	7.38	83	4809	0.205	ug/l #	82
31) Cyclohexane	7.67	56	20913	0.559	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	80733	4.596	ug/l #	49
38) Carbon Tetrachloride	7.67	117	107777	6.778	ug/l #	16
43) Isopropyl Acetate	8.20	43	16516	0.910	ug/l #	51
44) Trichloroethene	8.84	130	3156	0.235	ug/l	95
60) Dibromochloromethane	10.63	129	4176	0.351	ug/l #	11
64) Tetrachloroethene	10.63	164	4370	0.345	ug/l	90
71) Bromoform	12.40	173	4267	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	347005	32.221	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	27178	0.622	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	347005	107.601	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	197814	4.517	ug/l	99
86) p-Isopropyltoluene	13.24	119	13935	0.308	ug/l	94
89) n-Butylbenzene	13.59	91	38876	1.034	ug/l #	1
90) Hexachloroethane	13.89	117	25421	3.322	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1450	0.813	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1913	2.975	ug/l #	91
95) Naphthalene	15.13	128	172019	9.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1877	2.883	ug/l #	84

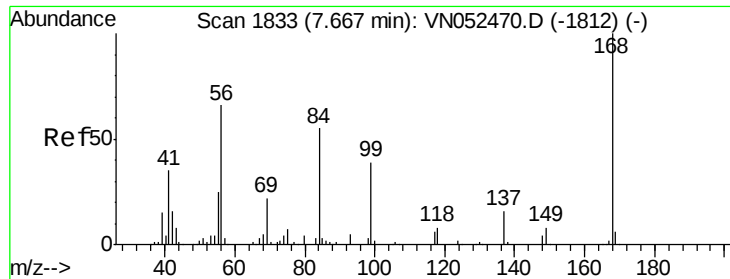
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121018\
Data File : VN052771.D
Acq On : 11 Dec 2018 00:30
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Instrument :
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ClientSampleId :
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Quant Time: Dec 11 03:14:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

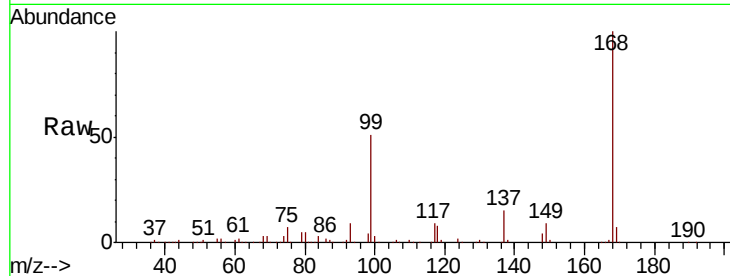
WC-20181207-WATER

Tot Ion:168 Resp: 1212517

Ion Ratio Lower Upper

168 100

99 50.8 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052771.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052771.D (-1740) (-)

7.67

600000

500000

400000

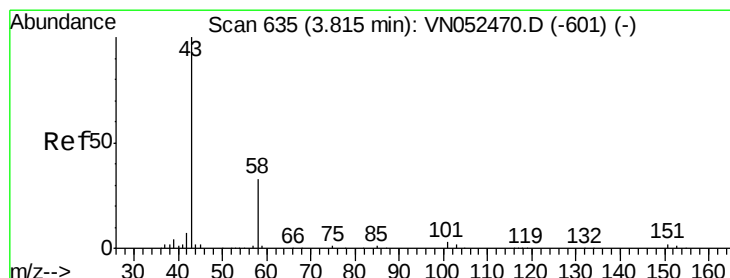
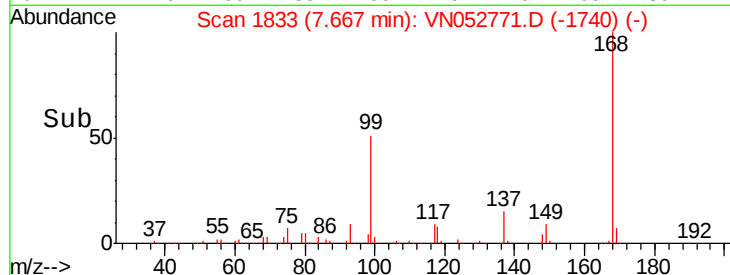
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.824 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052771.D

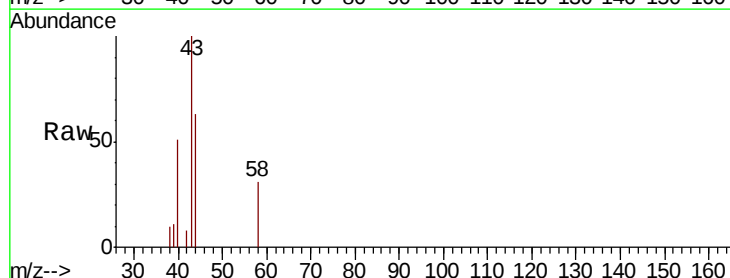
Acq: 11 Dec 2018 00:30

Tgt Ion: 43 Resp: 6350

Ion Ratio Lower Upper

43 100

58 31.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052771.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052771.D (-542) (-)

3.82

2500

2000

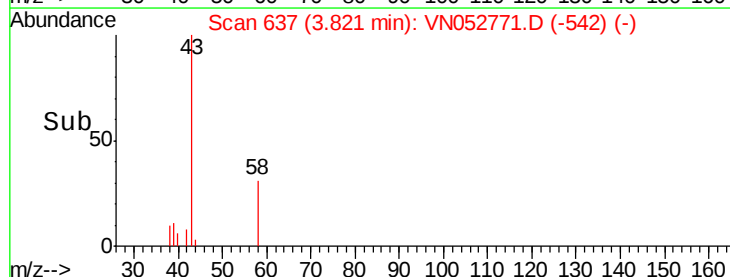
1500

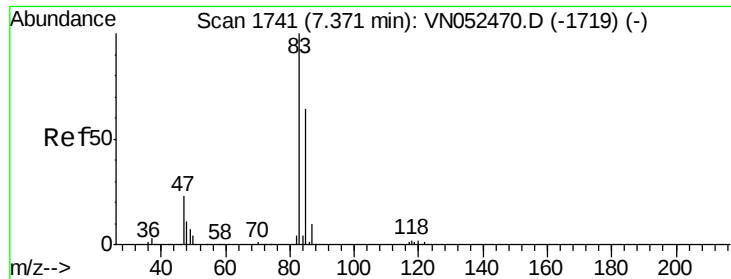
1000

500

0

Time-->

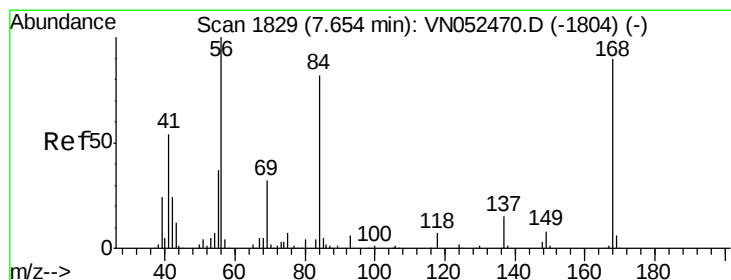
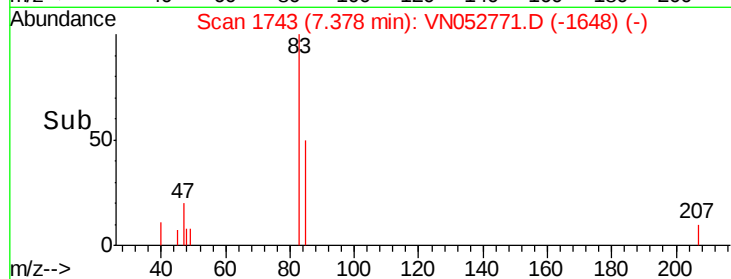
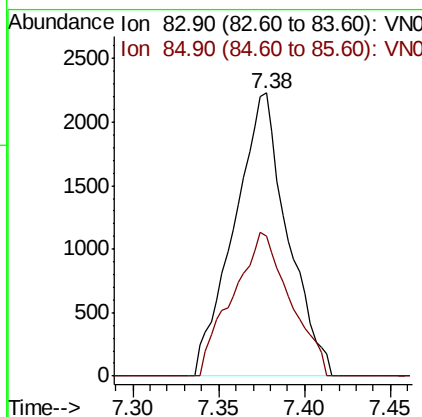
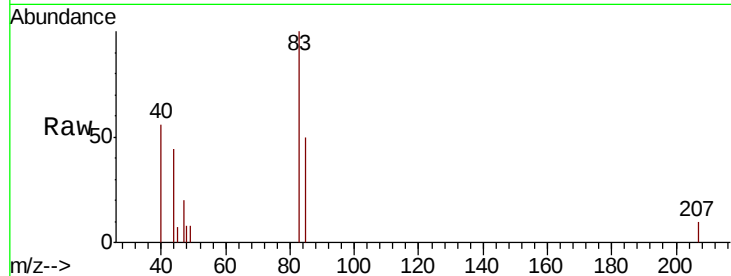




#30
Chloroform
Concen: 0.205 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN052771.D
Acq: 11 Dec 2018 00:30

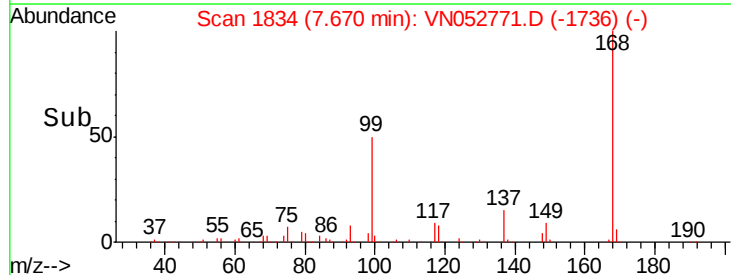
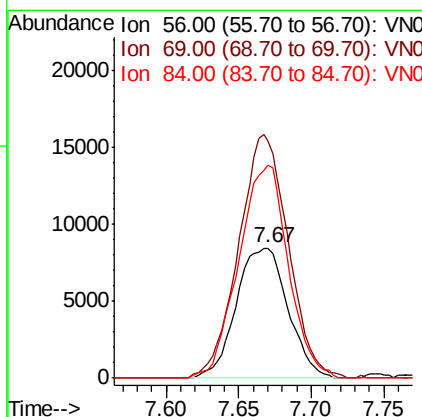
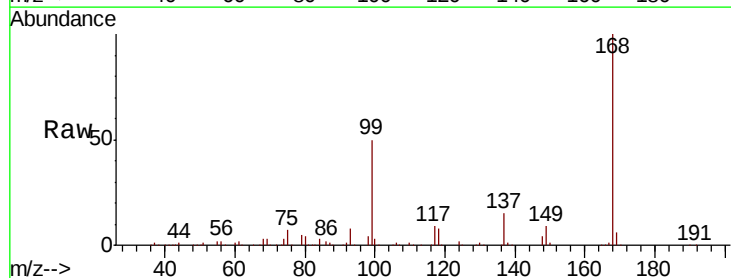
Instrument :
MSVOA_N
ClientSampleId :
WC-20181207-WATER

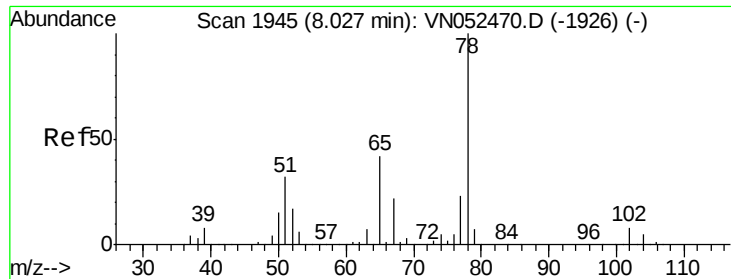
Tot Ion: 83 Resp: 4809
Ion Ratio Lower Upper
83 100
85 49.7 51.0 76.4#



#31
Cyclohexane
Concen: 0.559 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN052771.D
Acq: 11 Dec 2018 00:30

Tgt Ion: 56 Resp: 20913
Ion Ratio Lower Upper
56 100
69 182.4 25.8 38.6#
84 163.9 65.3 97.9#

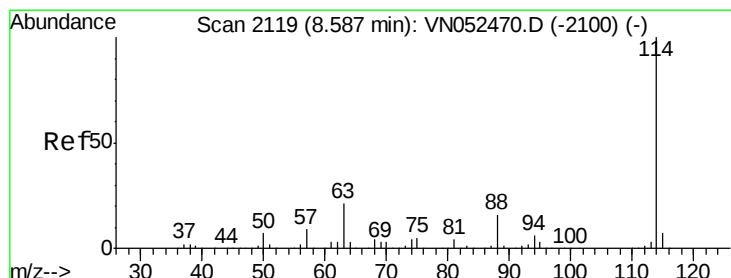
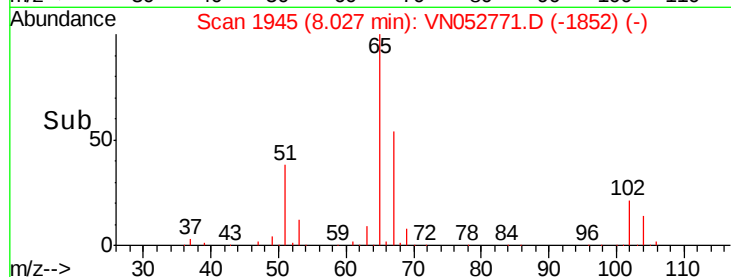
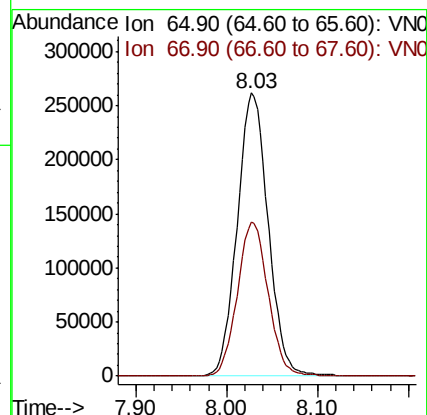
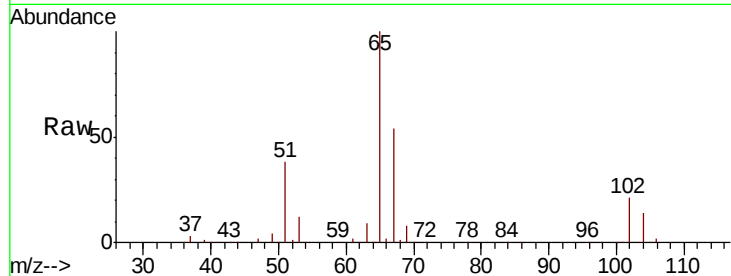




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

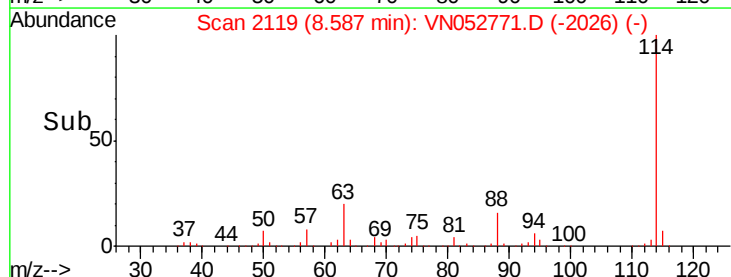
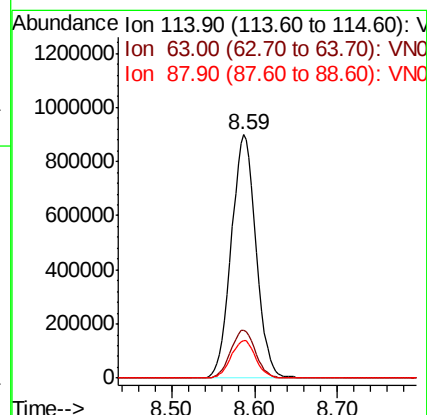
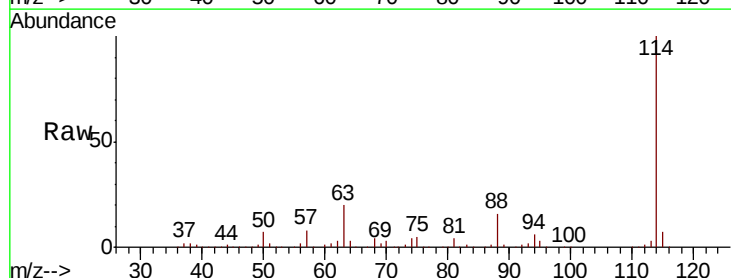
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20181207-WATER

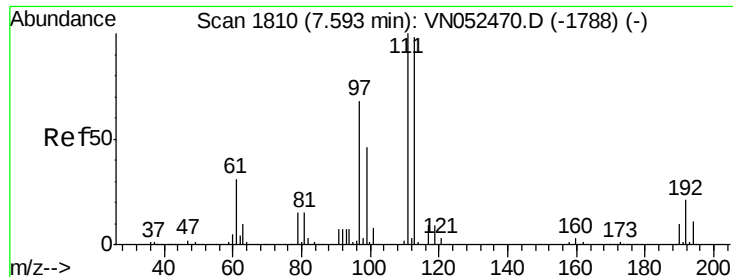
Tot Ion: 65 Resp: 618436
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

Tgt Ion: 114 Resp: 1860175
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.8
 88 15.7 0.0 31.6

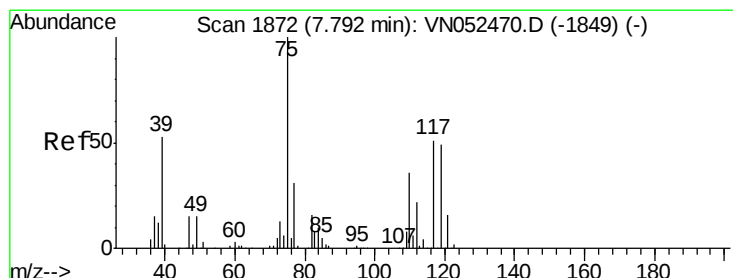
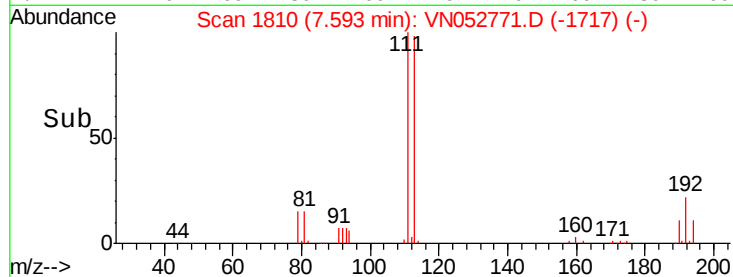
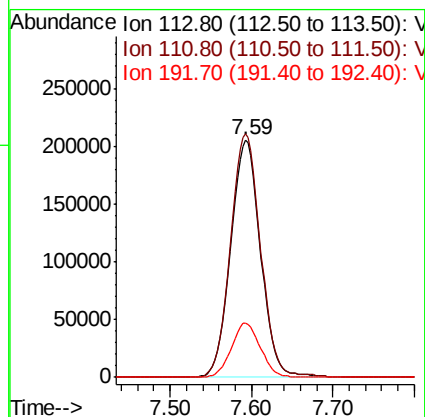
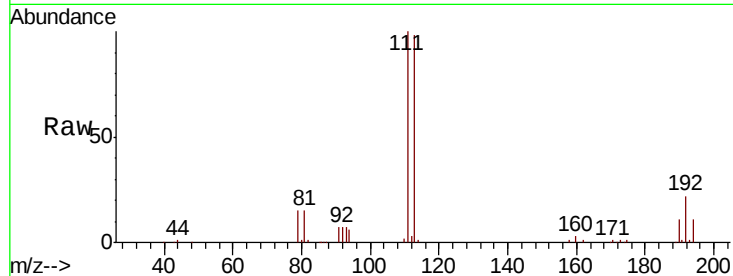




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

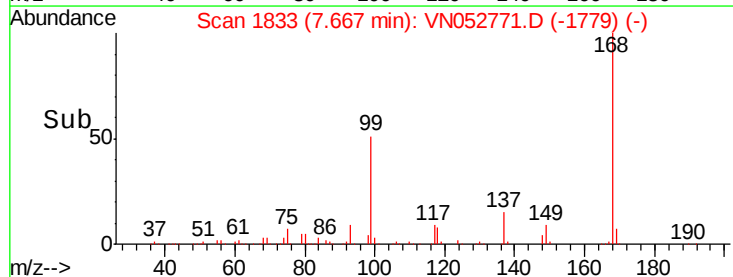
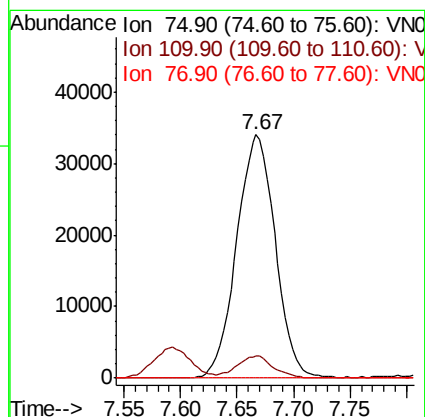
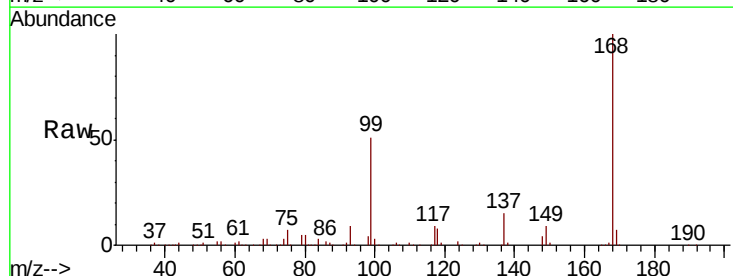
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20181207-WATER

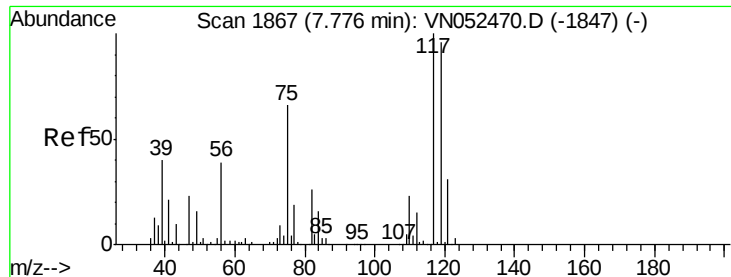
Tot Ion:113 Resp: 527851
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.0 123.0
 192 22.2 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.596 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

Tgt Ion: 75 Resp: 80733
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.5 52.6#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.778 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

WC-20181207-WATER

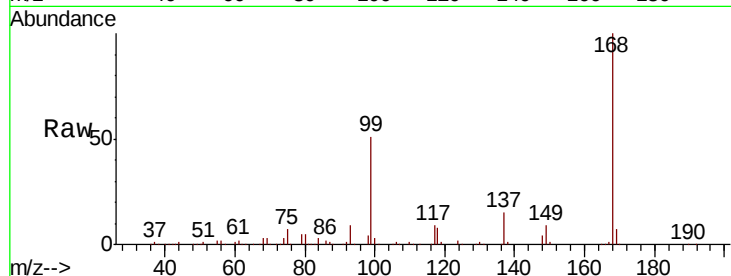
Tot Ion:117 Resp: 107777

Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

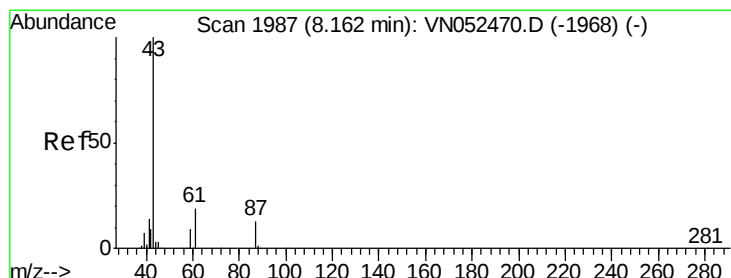
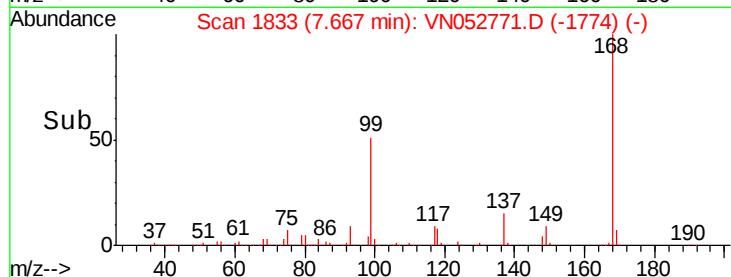
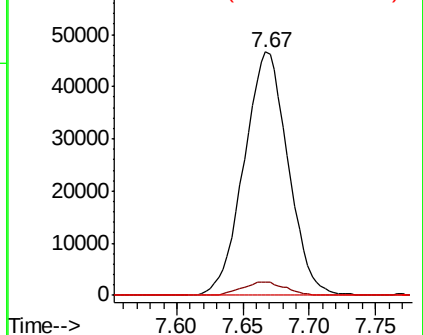
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 0.910 ug/l

RT: 8.20 min Scan# 1998

Delta R.T. 0.04 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

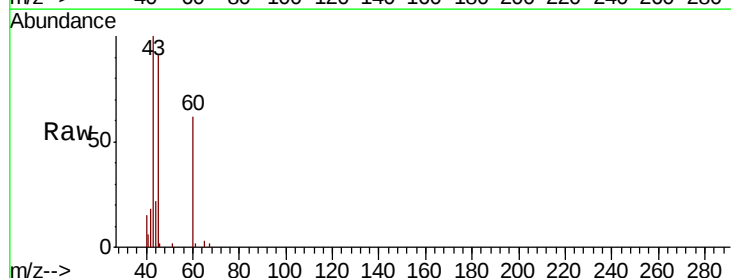
Tgt Ion: 43 Resp: 16516

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

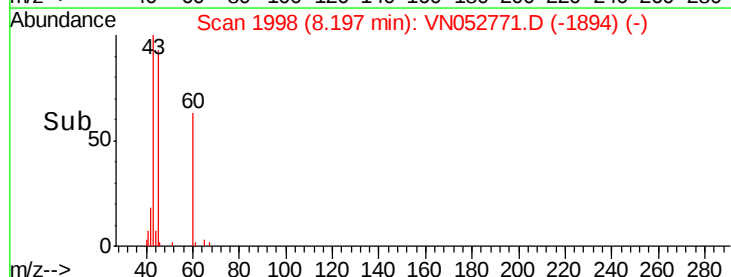
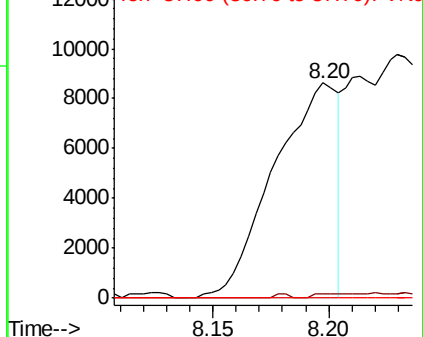
87 0.0 10.6 15.8#

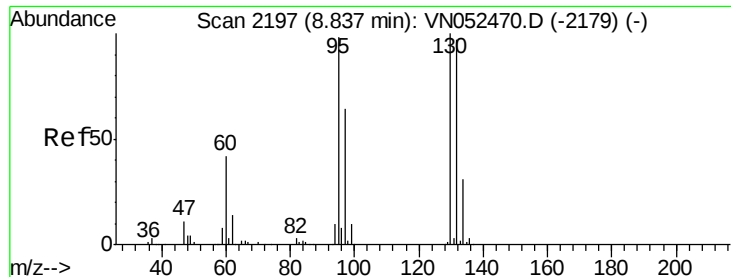


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#44

Trichloroethene

Concen: 0.235 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

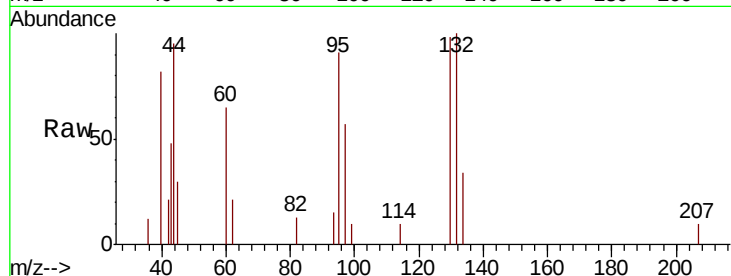
WC-20181207-WATER

Tot Ion:130 Resp: 3156

Ion Ratio Lower Upper

130 100

95 92.7 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

8.84

1500

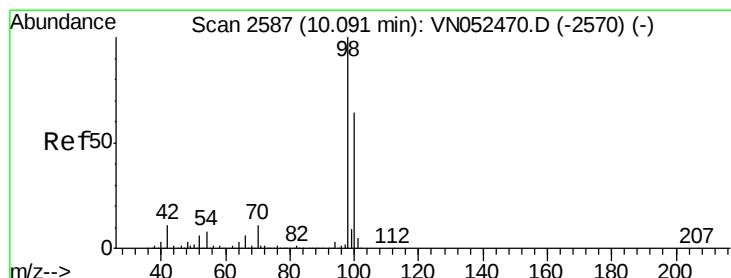
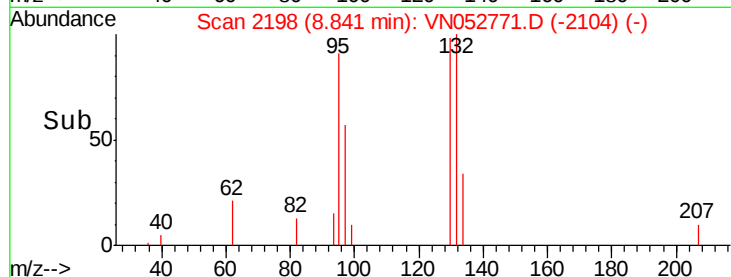
1000

500

0

8.80 8.85

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052771.D

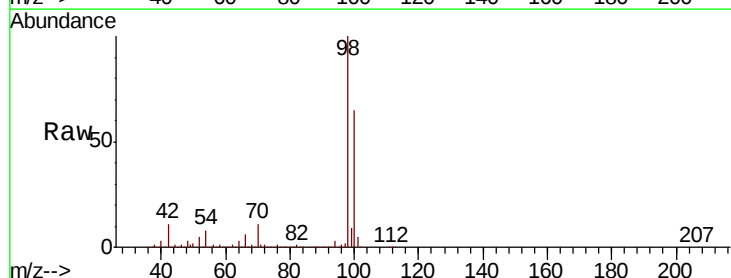
Acq: 11 Dec 2018 00:30

Tgt Ion: 98 Resp: 2251622

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)

10.09

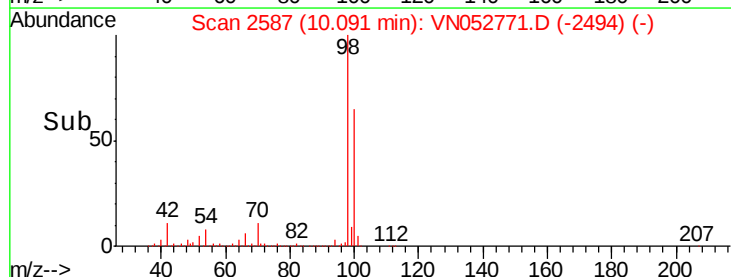
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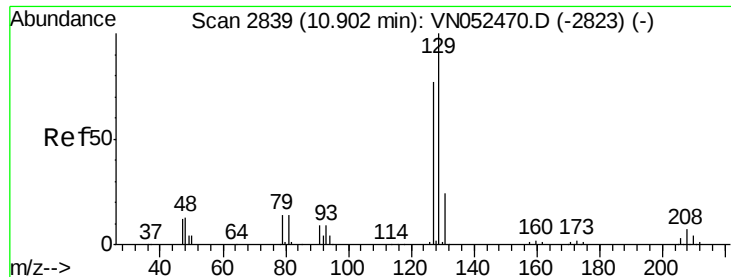
500000

0

10.00 10.10 10.20

Time-->





#60

Dibromochloromethane

Concen: 0.351 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

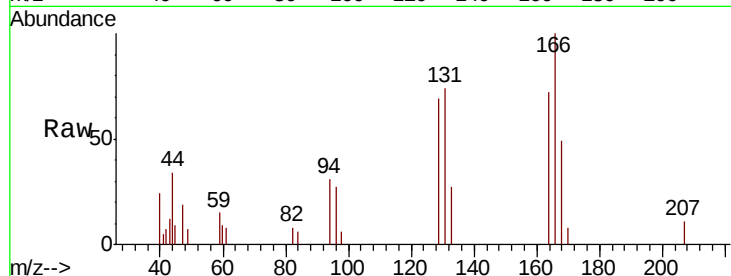
WC-20181207-WATER

Tot Ion:129 Resp: 4176

Ion Ratio Lower Upper

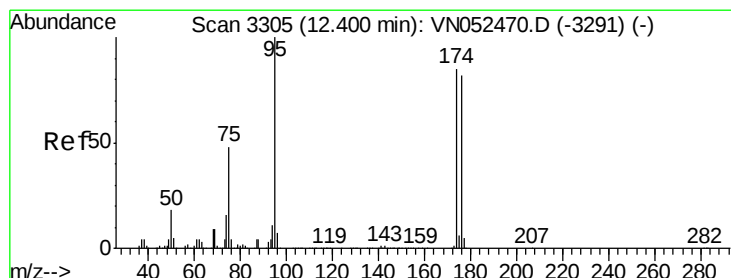
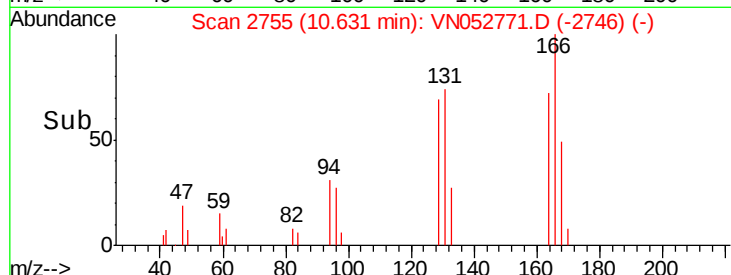
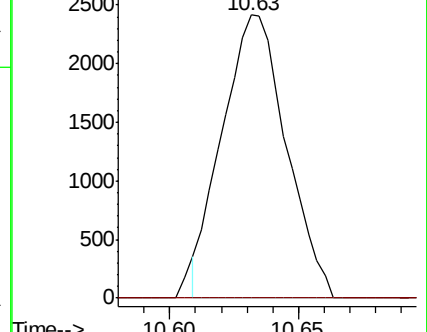
129 100

127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

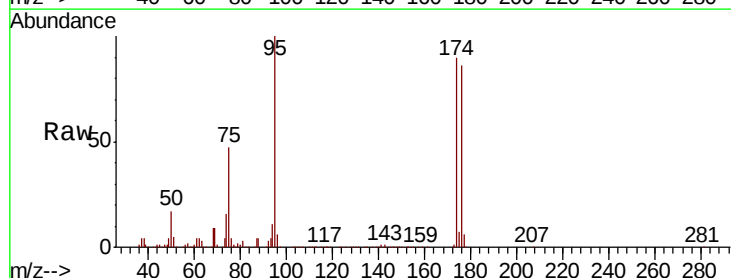
Tgt Ion: 95 Resp: 734982

Ion Ratio Lower Upper

95 100

174 89.3 0.0 173.0

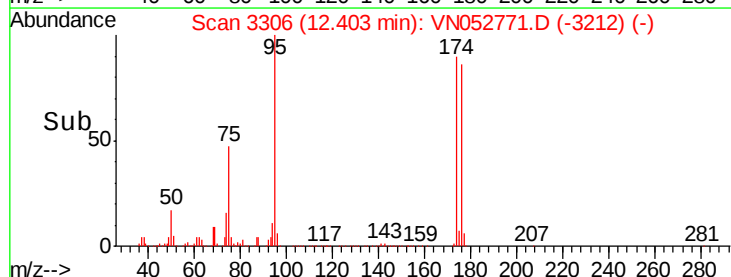
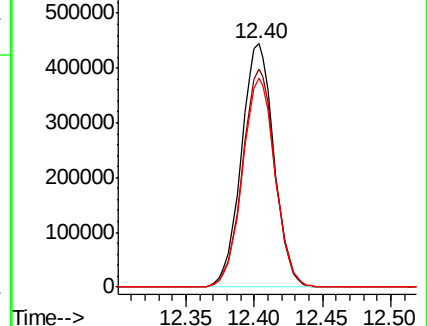
176 86.1 0.0 166.2

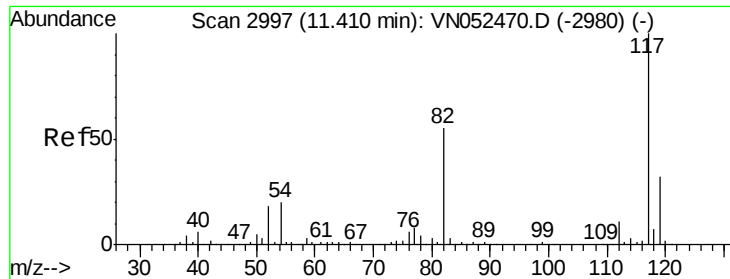


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

WC-20181207-WATER

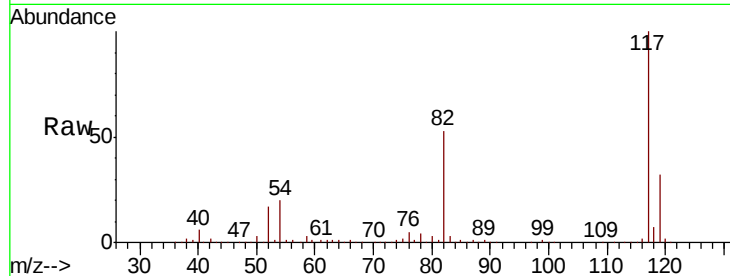
Tot Ion:117 Resp: 1632288

Ion Ratio Lower Upper

117 100

82 53.2 43.6 65.4

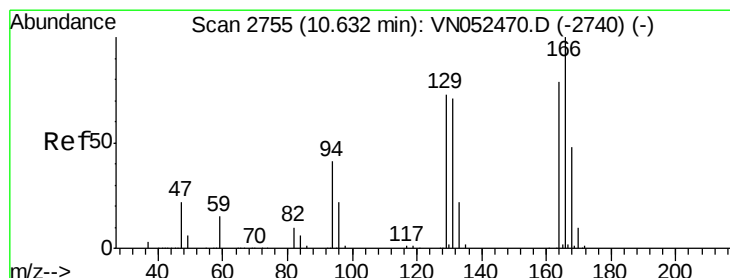
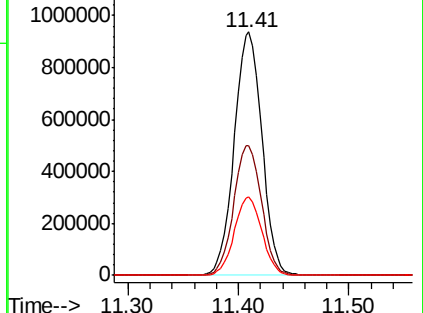
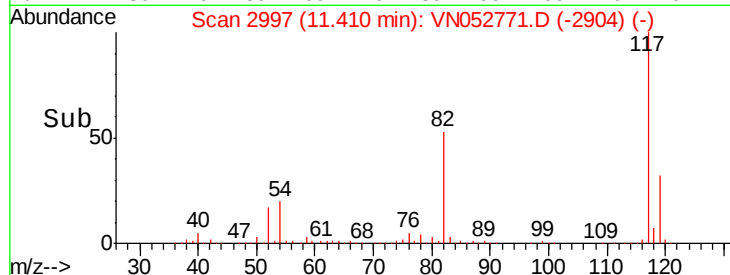
119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.345 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

Tgt Ion:164 Resp: 4370

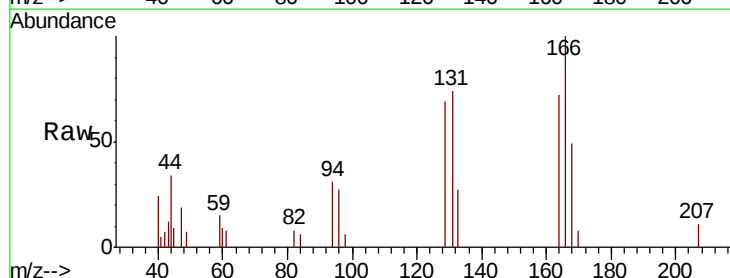
Ion Ratio Lower Upper

164 100

166 138.8 101.0 151.4

129 95.3 73.8 110.6

131 102.4 71.2 106.8

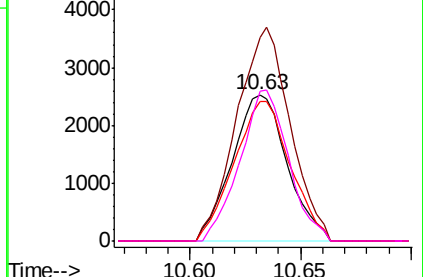
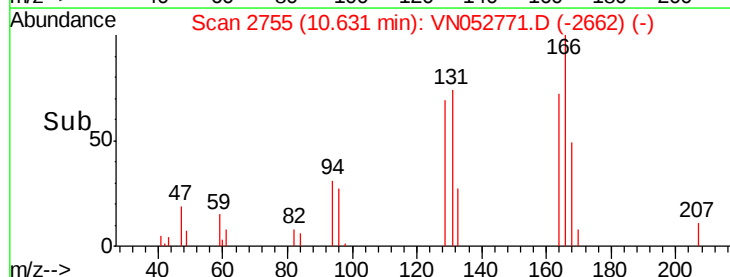


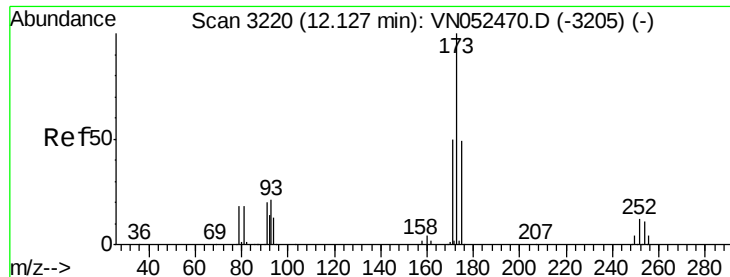
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

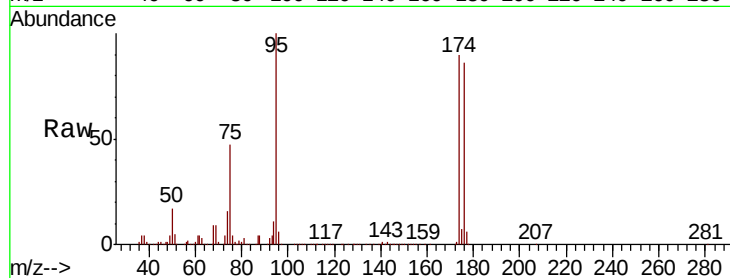




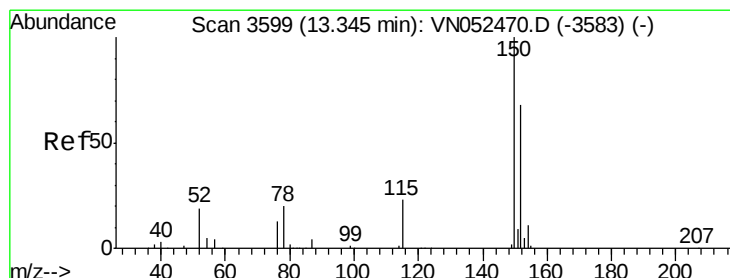
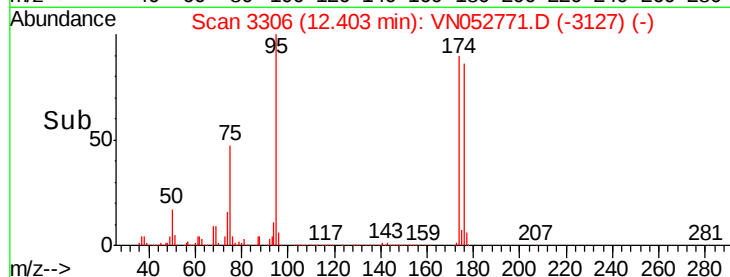
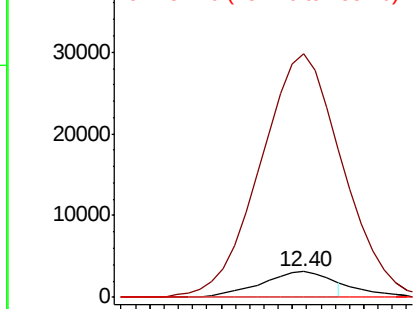
#71
Bromoform
Concen: 0.551 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052771.D
Acq: 11 Dec 2018 00:30

Instrument :
MSVOA_N
ClientSampleId :
WC-20181207-WATER

Tot Ion:173 Resp: 4267
Ion Ratio Lower Upper
173 100
175 956.0 24.4 73.2#
254 0.0 0.1 0.1#

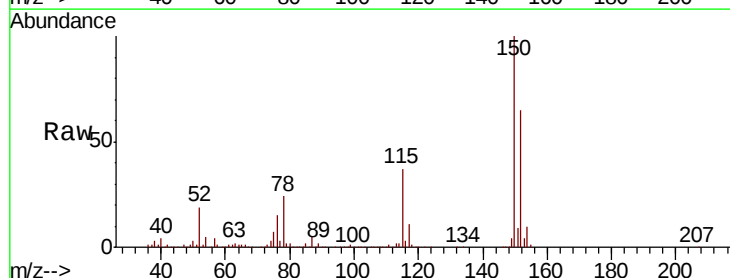


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

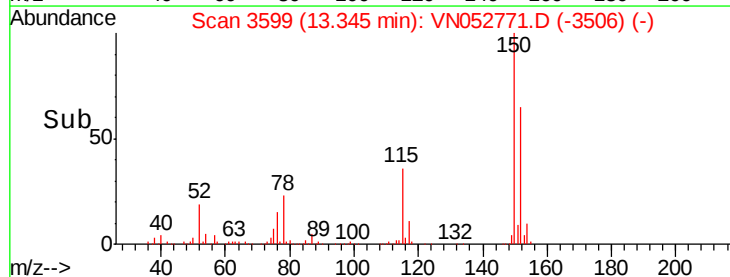
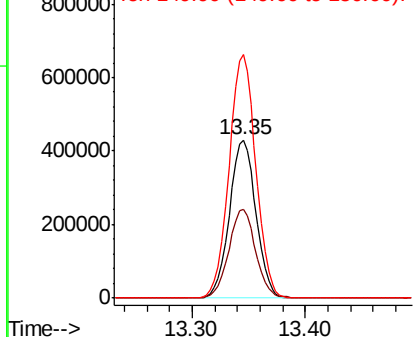


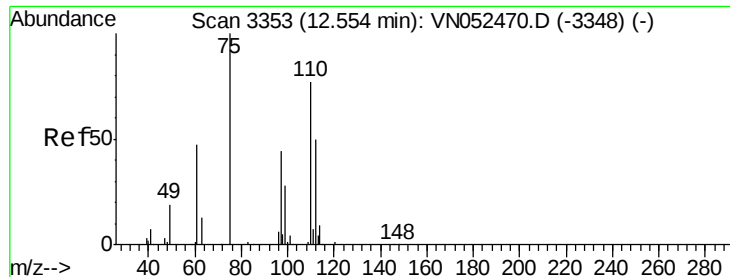
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052771.D
Acq: 11 Dec 2018 00:30

Tgt Ion:152 Resp: 698398
Ion Ratio Lower Upper
152 100
115 57.0 28.4 85.2
150 155.3 0.0 346.0



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

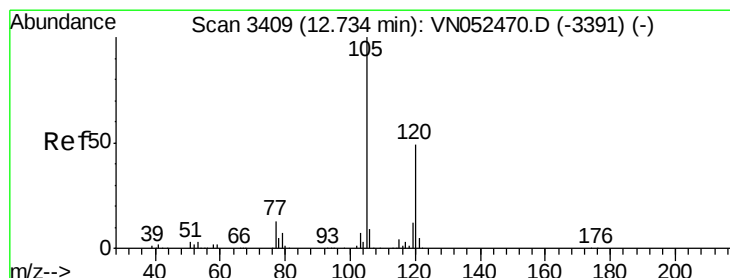
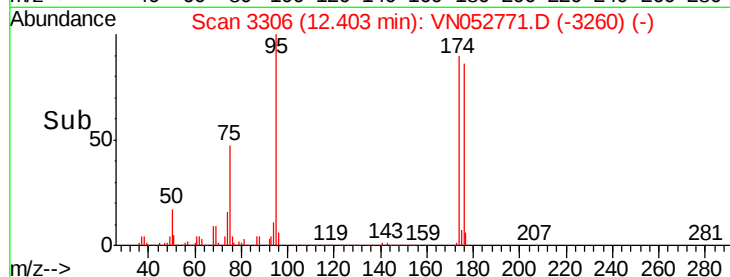
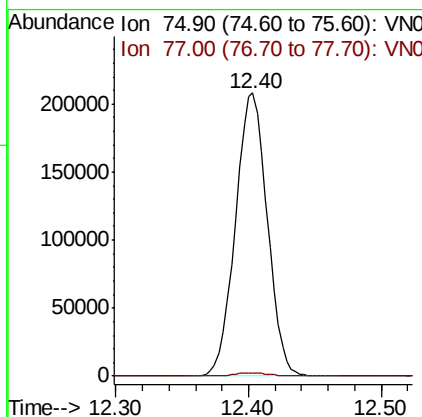
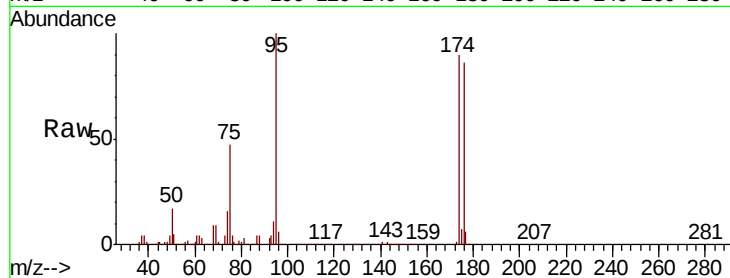




#76
 1,2,3-Trichloropropane
 Concen: 32.221 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

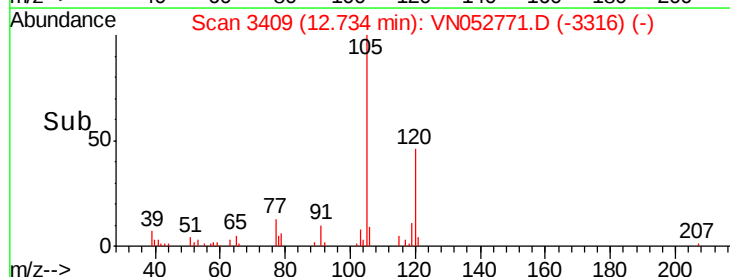
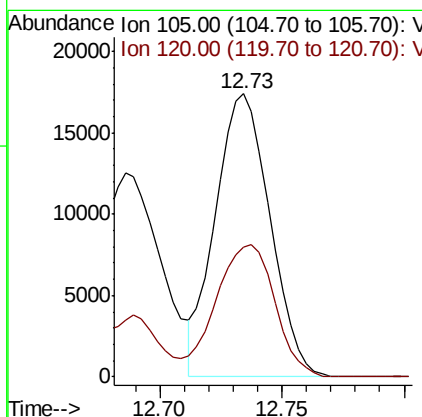
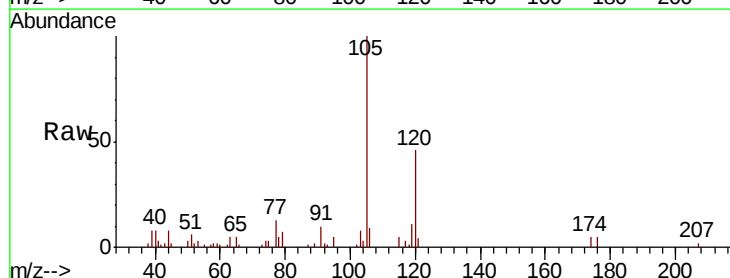
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20181207-WATER

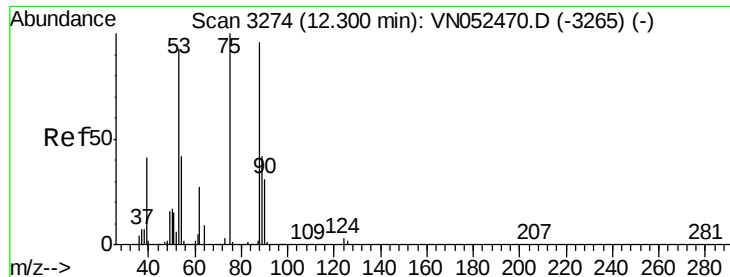
Tot Ion: 75 Resp: 347005
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.622 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

Tgt Ion: 105 Resp: 27178
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 107.601 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

WC-20181207-WATER

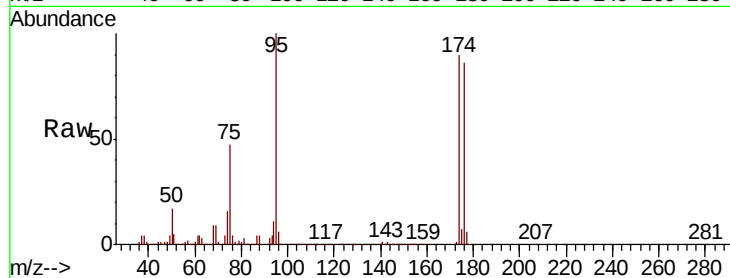
Tot Ion: 75 Resp: 347005

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

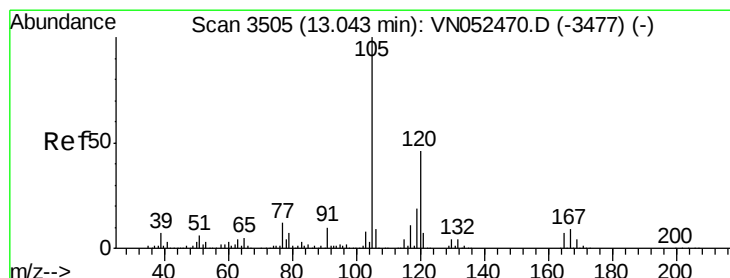
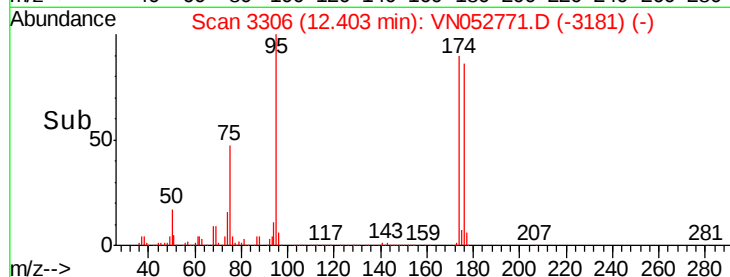
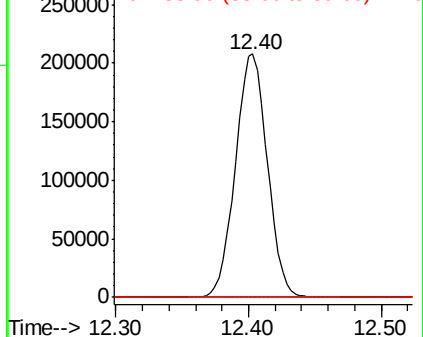
89 0.0 35.4 53.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 4.517 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052771.D

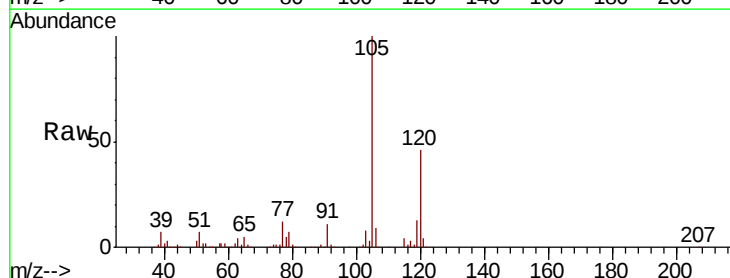
Acq: 11 Dec 2018 00:30

Tgt Ion:105 Resp: 197814

Ion Ratio Lower Upper

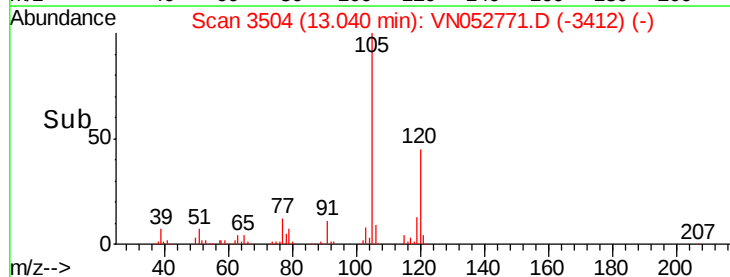
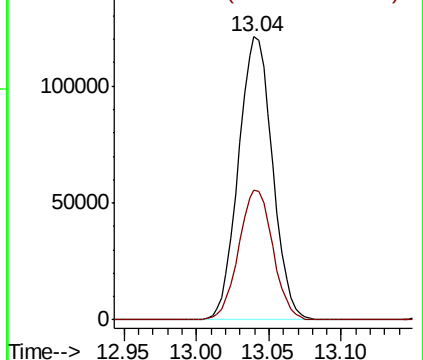
105 100

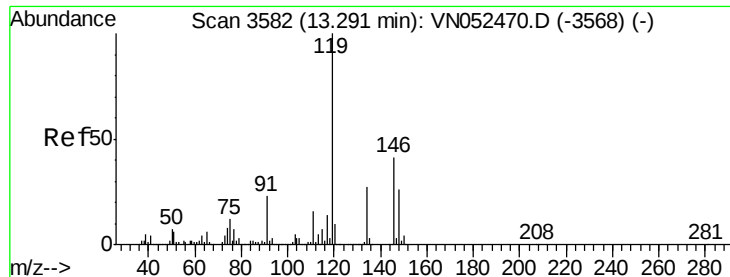
120 46.1 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

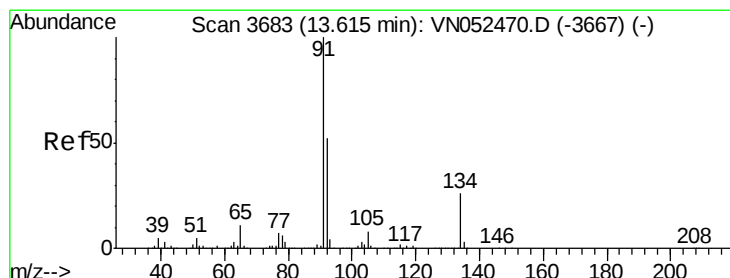
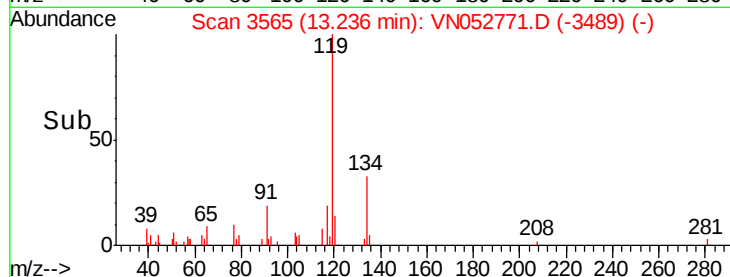
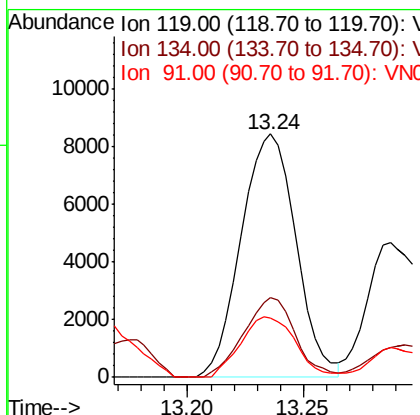
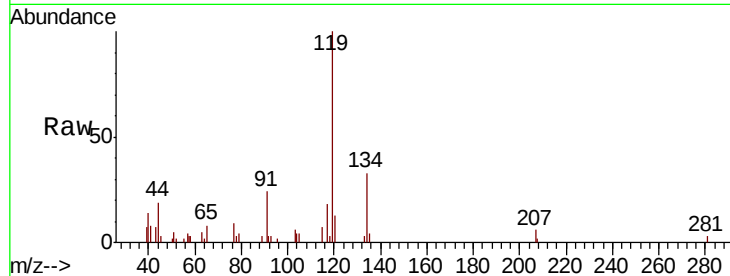




#86
 p-Isopropyltoluene
 Concen: 0.308 ug/l
 RT: 13.24 min Scan# 3565
 Delta R.T. -0.05 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

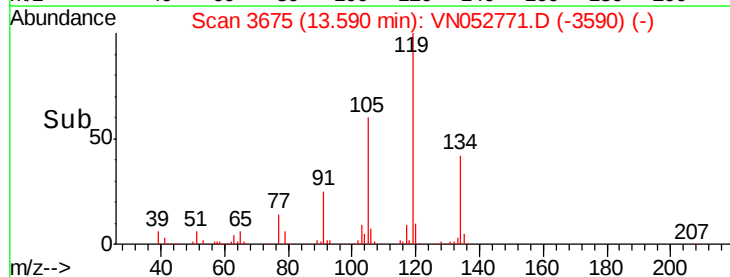
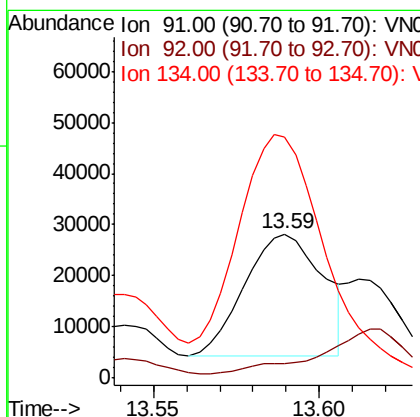
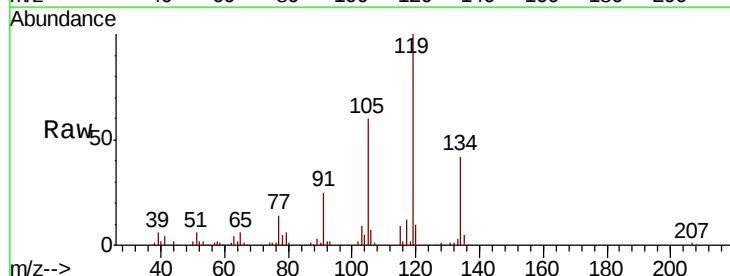
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20181207-WATER

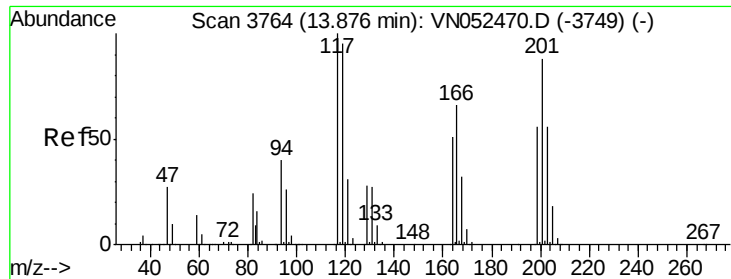
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.7	13.4	40.2
91	25.0	11.4	34.2



#89
 n-Butylbenzene
 Concen: 1.034 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.03 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.1	78.3#
134	230.9	13.0	38.9#





#90

Hexachloroethane

Concen: 3.322 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

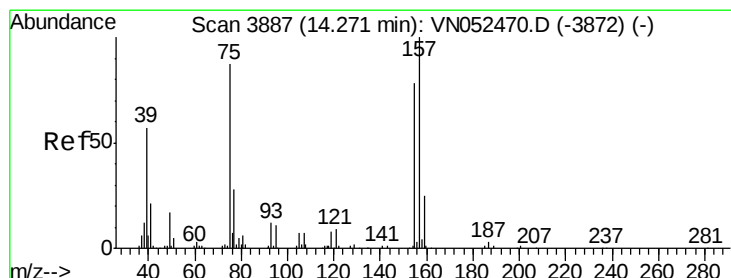
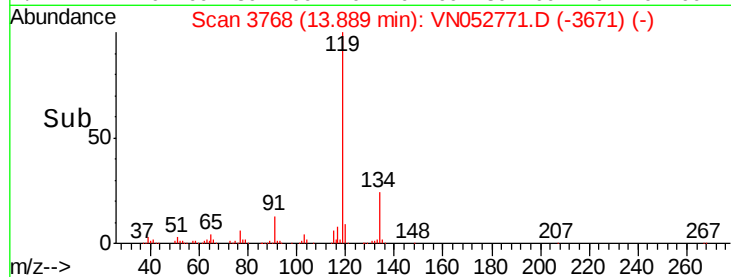
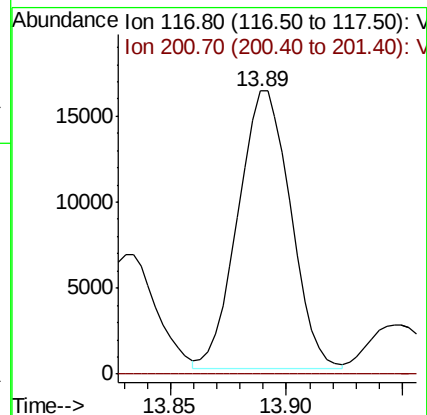
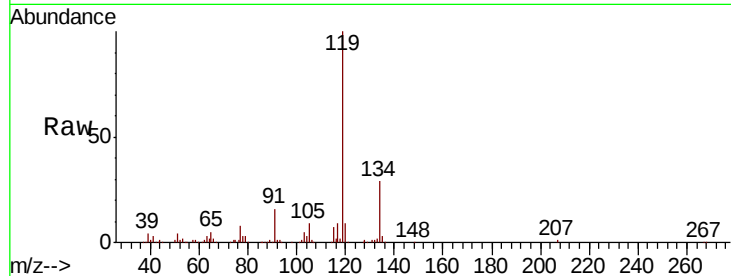
WC-20181207-WATER

Tot Ion:117 Resp: 25421

Ion Ratio Lower Upper

117 100

201 0.0 43.6 130.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.813 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN052771.D

Acq: 11 Dec 2018 00:30

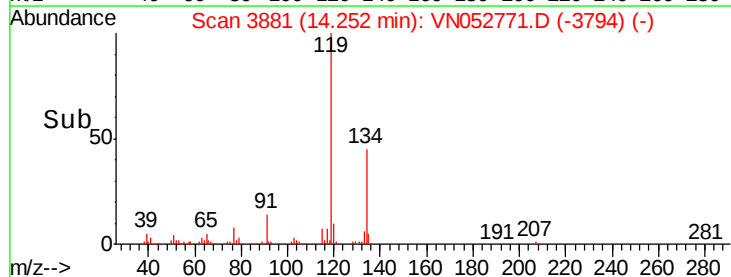
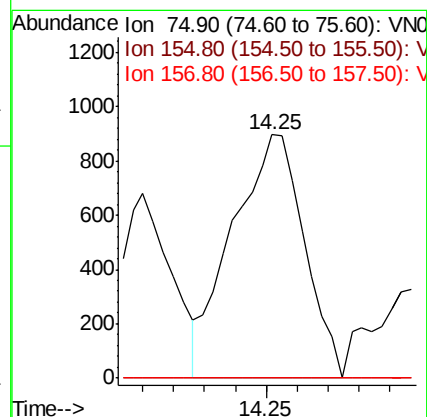
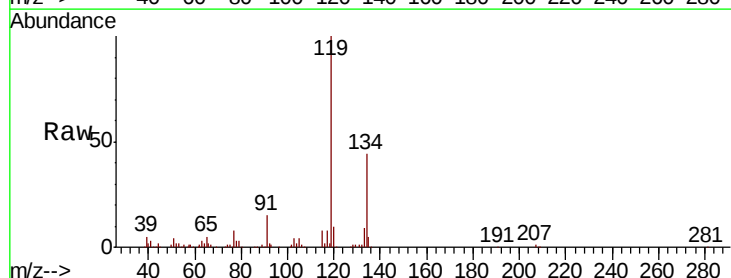
Tgt Ion: 75 Resp: 1450

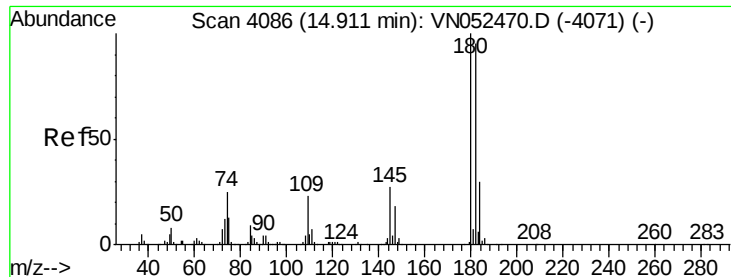
Ion Ratio Lower Upper

75 100

155 0.0 45.3 135.9#

157 0.0 58.1 174.2#

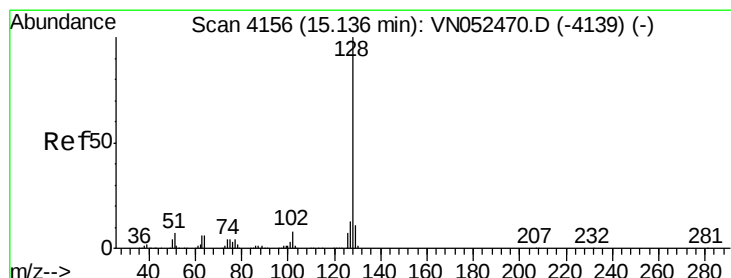
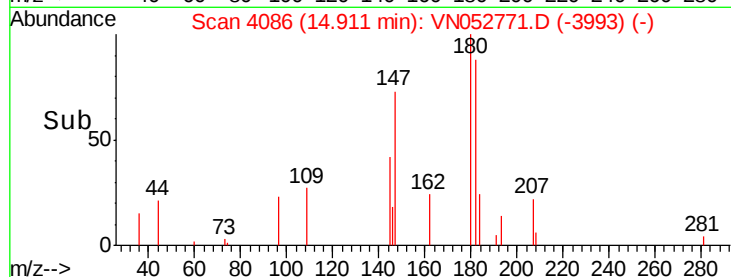
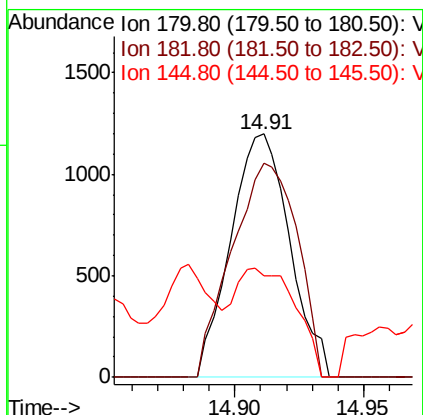
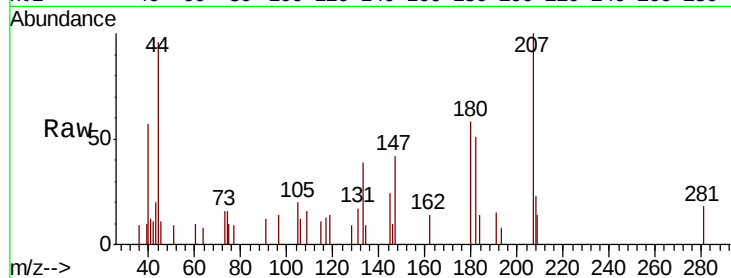




#93
 1,2,4-Trichlorobenzene
 Concen: 2.975 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

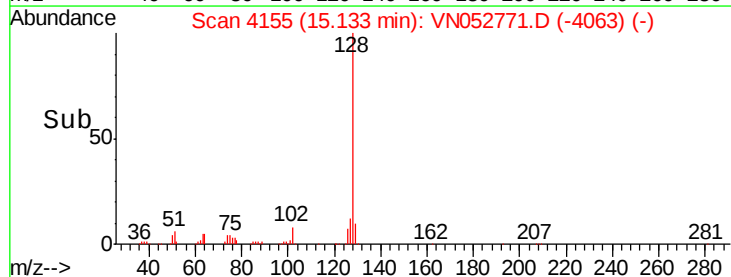
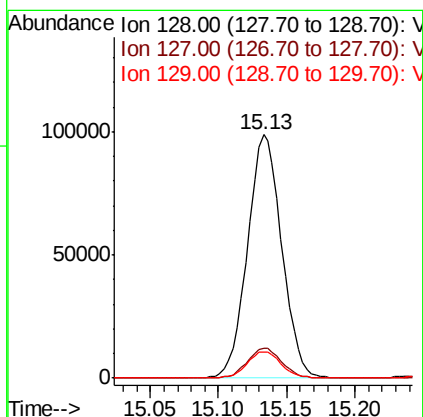
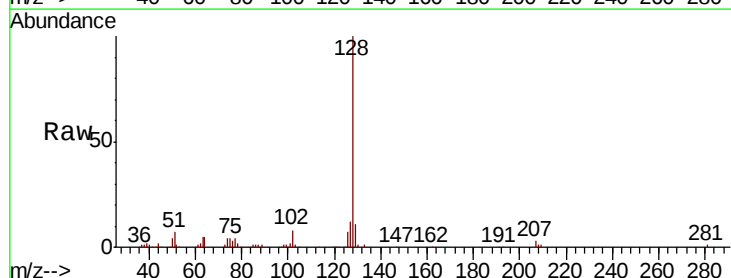
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20181207-WATER

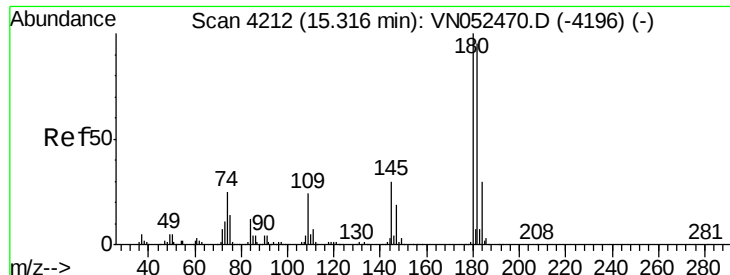
Tot Ion:180 Resp: 1913
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.8 143.4
 145 46.8 14.1 42.3#



#95
 Naphthalene
 Concen: 9.522 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

Tgt Ion:128 Resp: 172019
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.2 15.2
 129 10.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.883 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN052771.D
 Acq: 11 Dec 2018 00:30

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20181207-WATER

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.8	143.3
145	0.0	15.2	45.5

