

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052768.D
 Acq On : 10 Dec 2018 23:10
 Operator : MD\SY
 Sample : VN1210WBL03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL03

Quant Time: Dec 11 03:13:30 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	1218319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1866730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1615906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	616062	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	612751	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
35) Dibromofluoromethane	7.59	113	517339	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	
50) Toluene-d8	10.09	98	2264203	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	710378	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

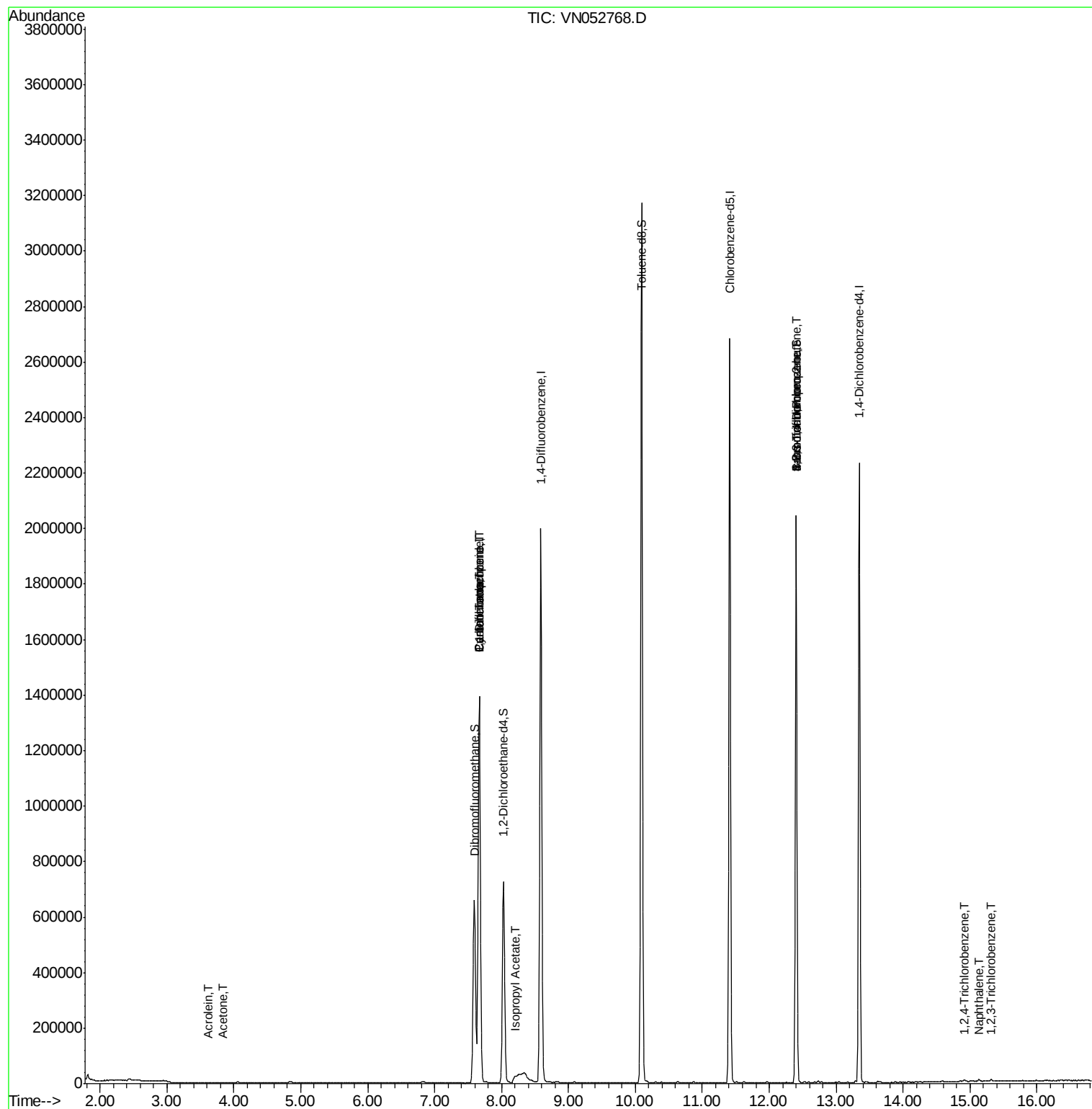
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	406	0.352	ug/l #	14
16) Acetone	3.82	43	773	0.221	ug/l #	42
31) Cyclohexane	7.67	56	20859	0.552	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	80632	4.574	ug/l #	50
38) Carbon Tetrachloride	7.67	117	107803	6.755	ug/l #	15
43) Isopropyl Acetate	8.20	43	17985	0.988	ug/l #	51
71) Bromoform	12.40	173	3989	0.520	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	337722	35.550	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	337722	118.719	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	2869	3.077	ug/l	95
95) Naphthalene	15.14	128	6402	3.686	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	2758	2.986	ug/l	97

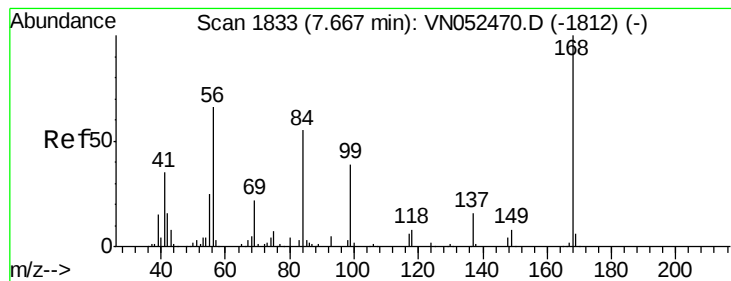
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052768.D

Acq: 10 Dec 2018 23:10

Instrument :

MSVOA_N

ClientSampleId :

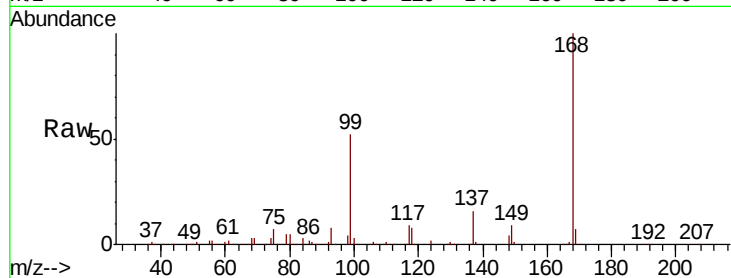
VN1210WBL03

Tot Ion:168 Resp: 1218319

Ion Ratio Lower Upper

168 100

99 51.8 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

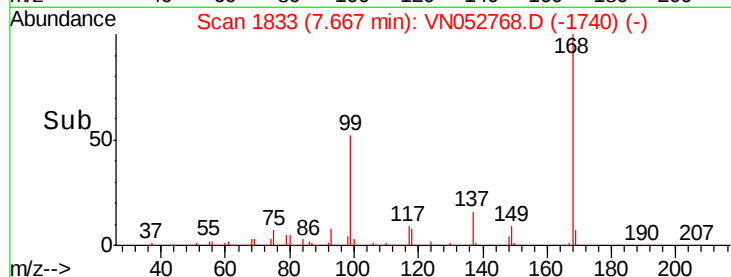
200000

100000

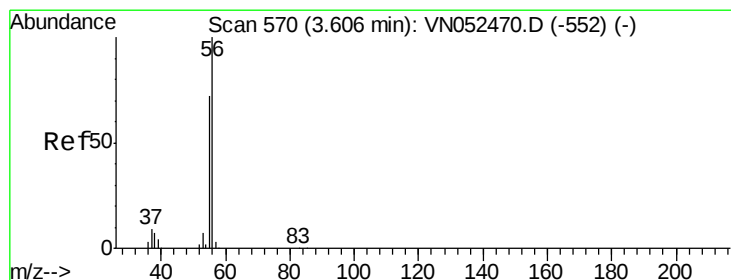
0

7.67

7.60 7.70 7.80



Time-->



#13

Acrolein

Concen: 0.352 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN052768.D

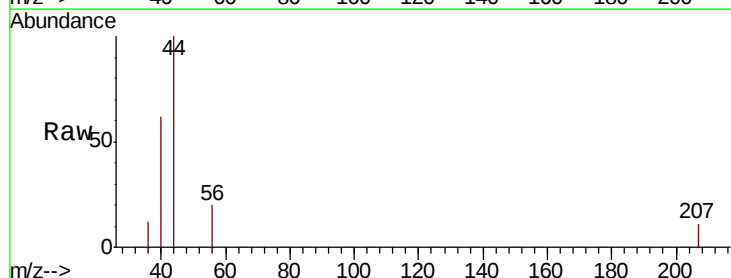
Acq: 10 Dec 2018 23:10

Tgt Ion: 56 Resp: 406

Ion Ratio Lower Upper

56 100

55 0.0 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

300

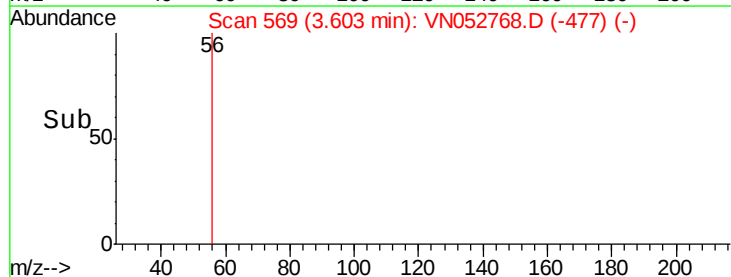
200

100

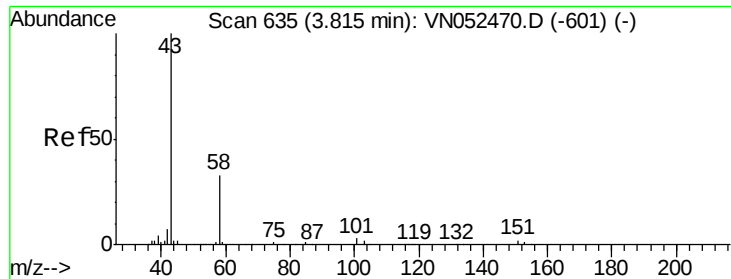
0

3.60

3.58 3.62 3.64



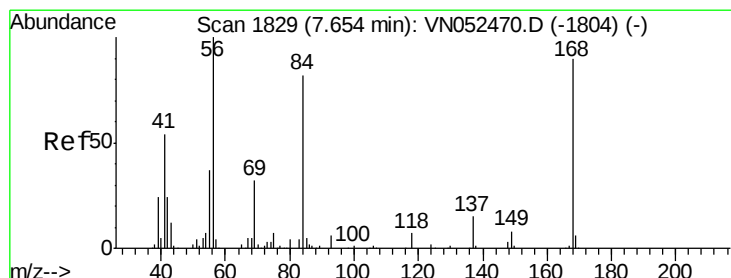
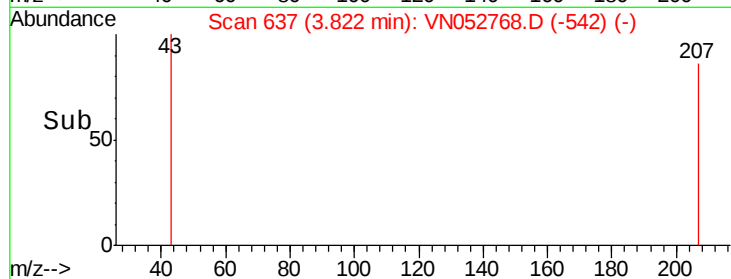
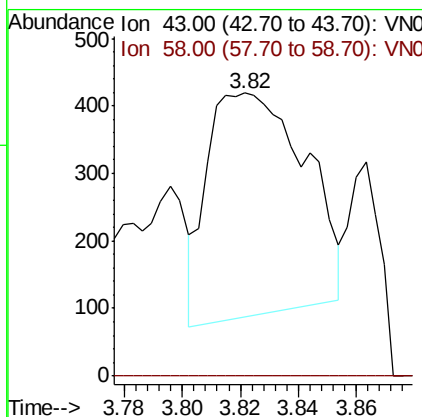
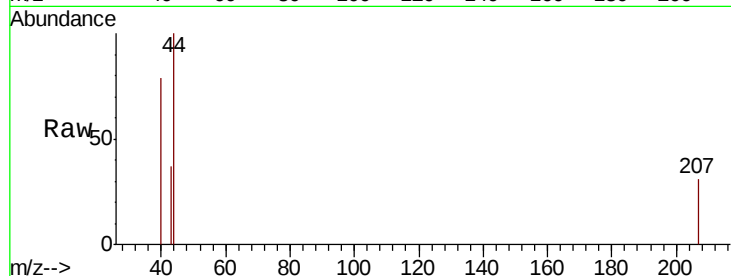
Time-->



#16
Acetone
Concen: 0.221 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN052768.D
Acq: 10 Dec 2018 23:10

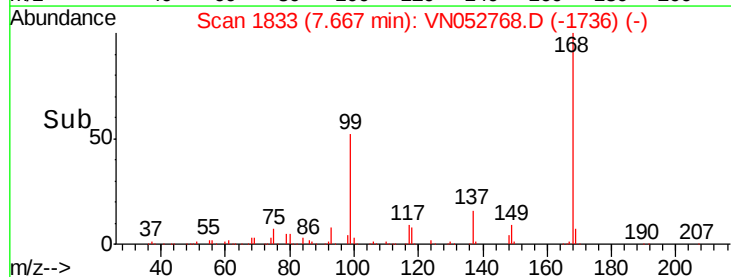
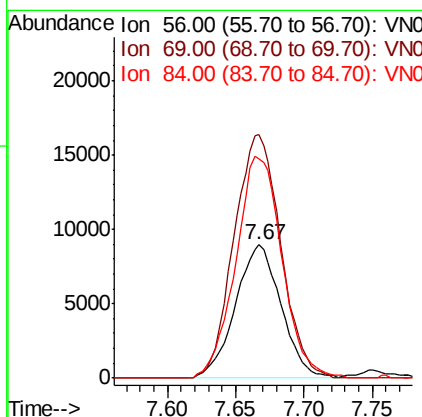
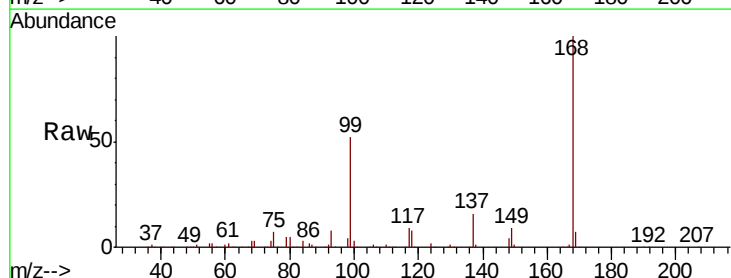
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL03

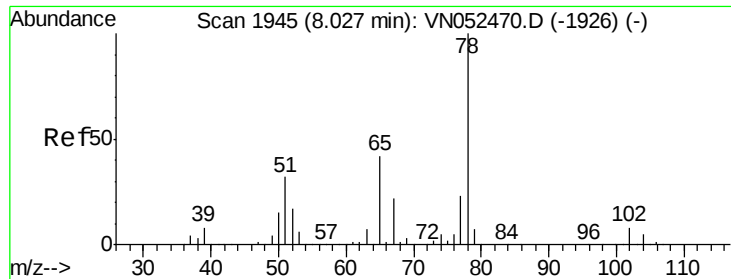
Tot Ion: 43 Resp: 773
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#31
Cyclohexane
Concen: 0.552 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052768.D
Acq: 10 Dec 2018 23:10

Tgt Ion: 56 Resp: 20859
Ion Ratio Lower Upper
56 100
69 182.6 25.8 38.6#
84 164.3 65.3 97.9#

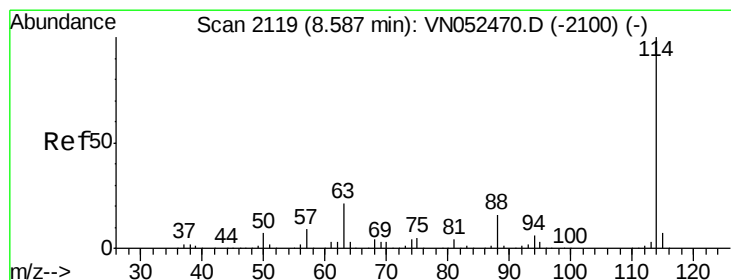
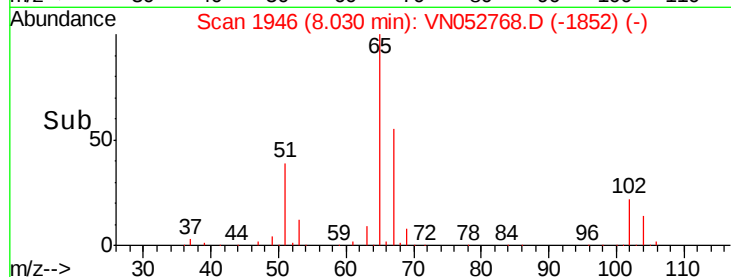
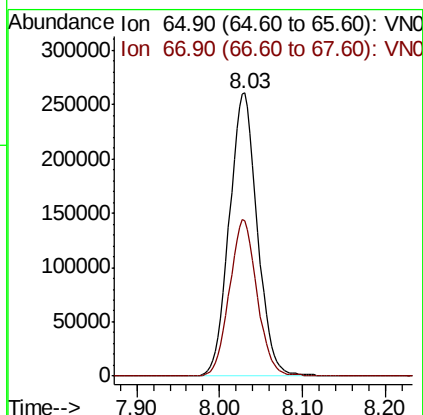
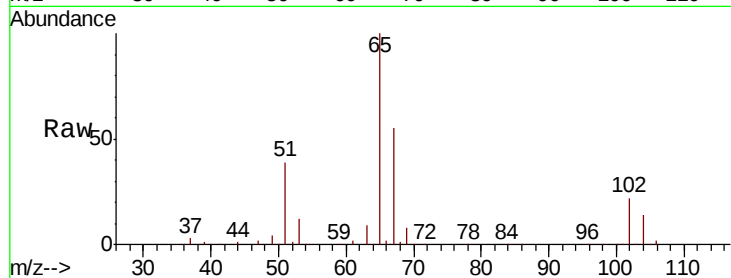




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052768.D
 Acq: 10 Dec 2018 23:10

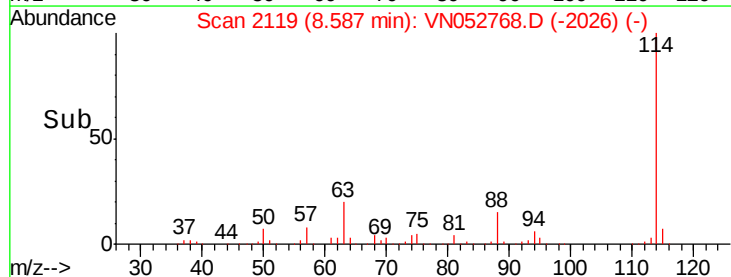
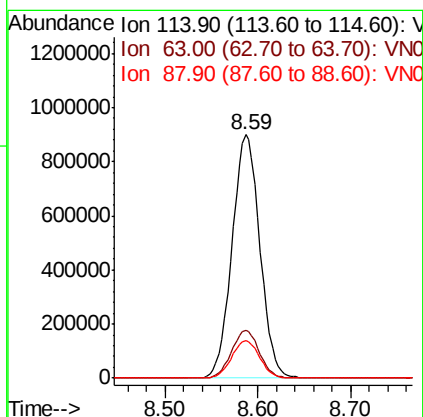
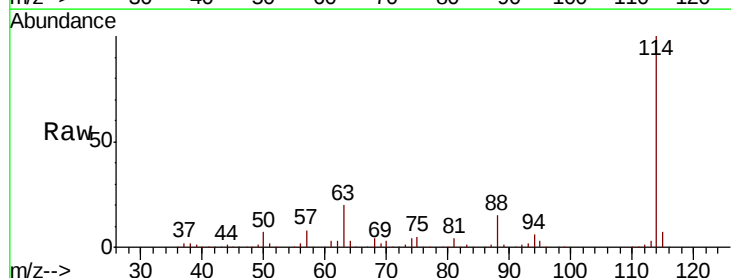
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL03

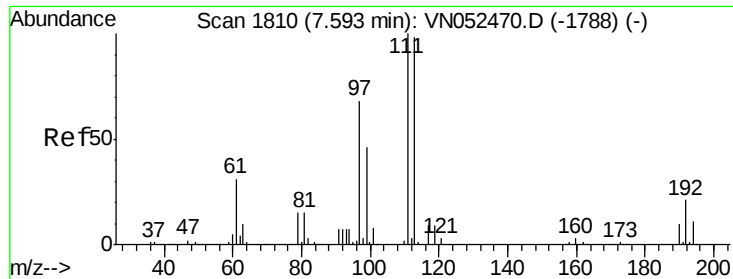
Tot Ion: 65 Resp: 612751
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052768.D
 Acq: 10 Dec 2018 23:10

Tgt Ion: 114 Resp: 1866730
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.8
 88 15.4 0.0 31.6

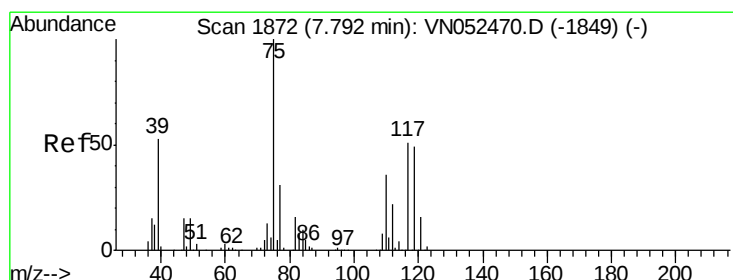
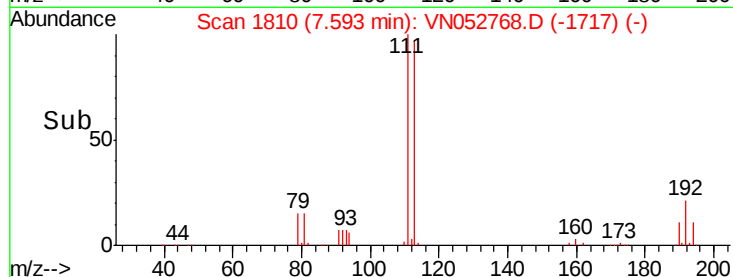
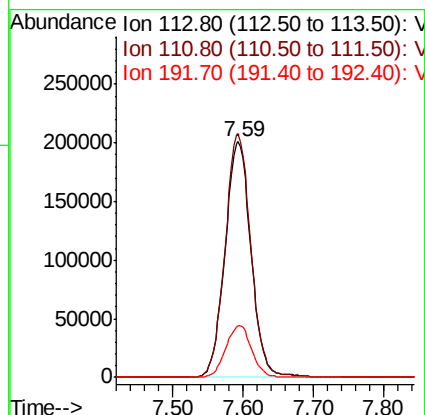
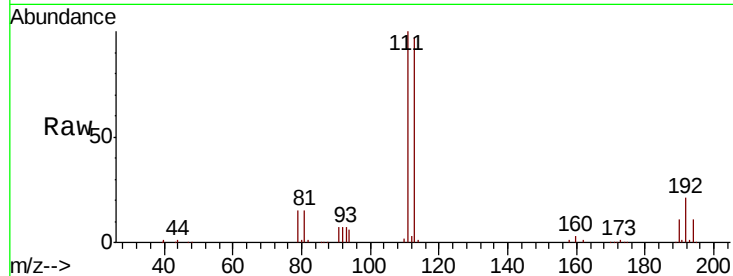




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052768.D
 Acq: 10 Dec 2018 23:10

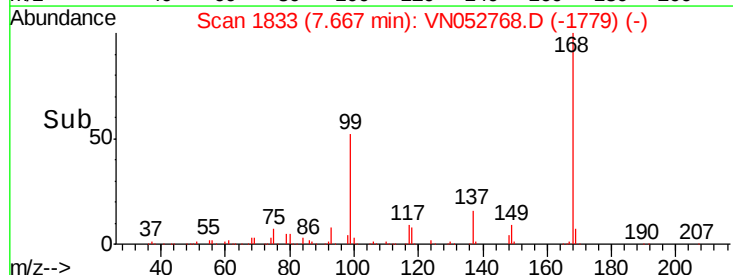
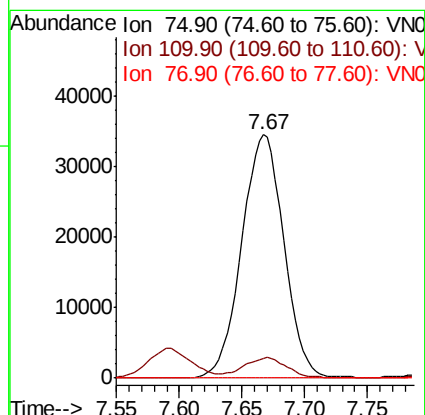
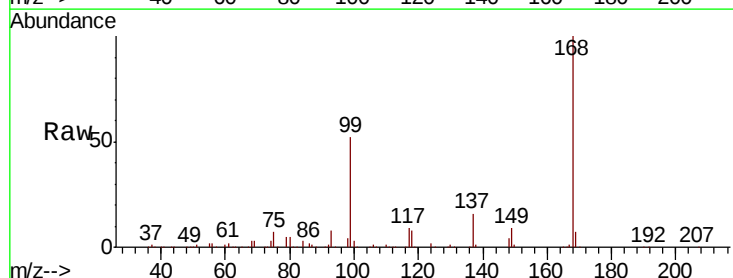
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL03

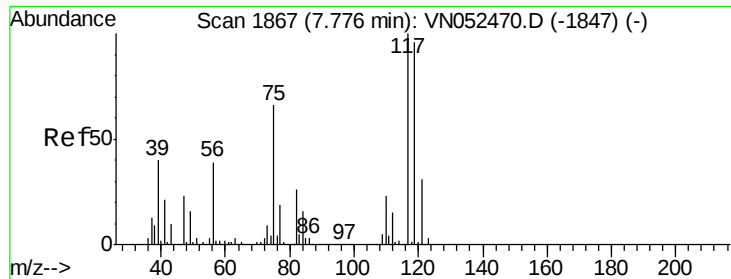
Tot Ion:113 Resp: 517339
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.0 123.0
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.574 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052768.D
 Acq: 10 Dec 2018 23:10

Tgt Ion: 75 Resp: 80632
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.5 52.6#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.755 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052768.D

Acq: 10 Dec 2018 23:10

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL03

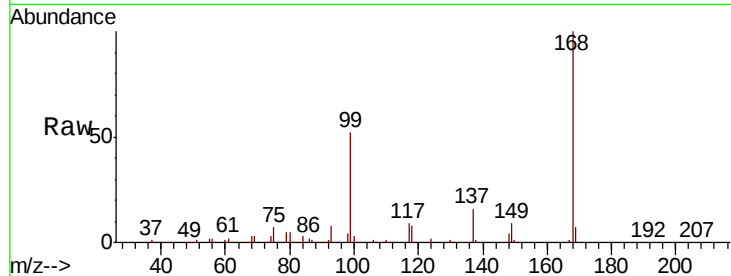
Tot Ion:117 Resp: 107803

Ion Ratio Lower Upper

117 100

119 4.1 76.8 115.2#

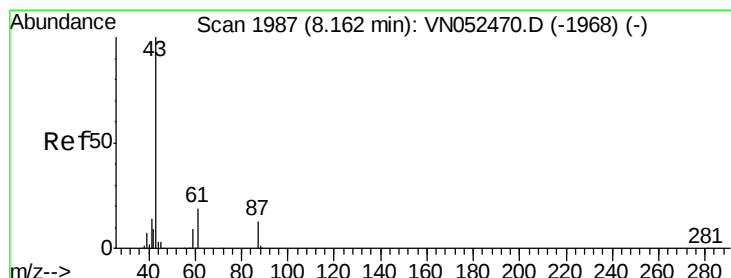
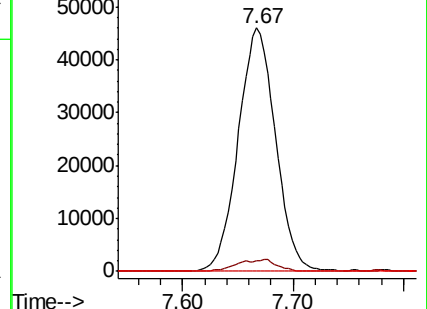
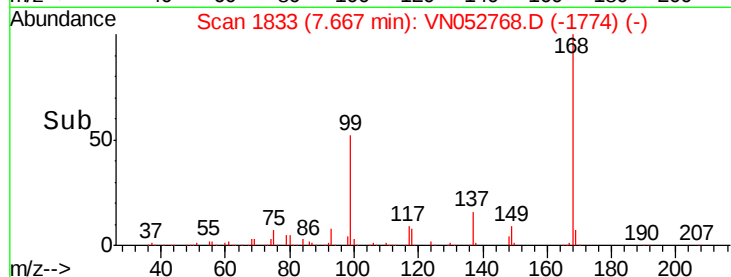
121 0.0 24.9 37.3#



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: 0.988 ug/l

RT: 8.20 min Scan# 1999

Delta R.T. 0.04 min

Lab File: VN052768.D

Acq: 10 Dec 2018 23:10

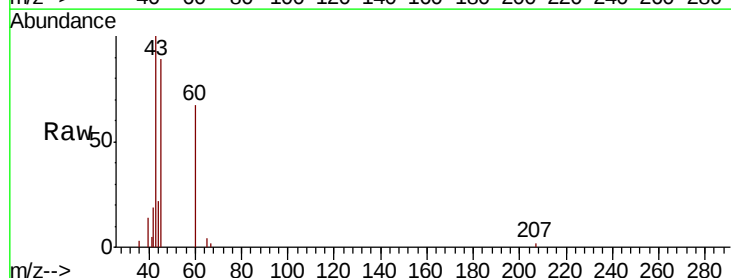
Tgt Ion: 43 Resp: 17985

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

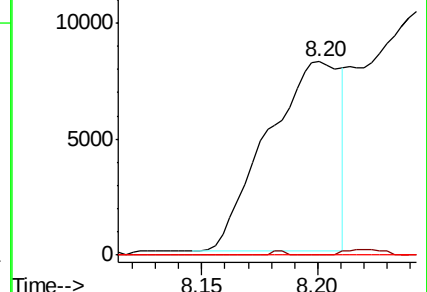
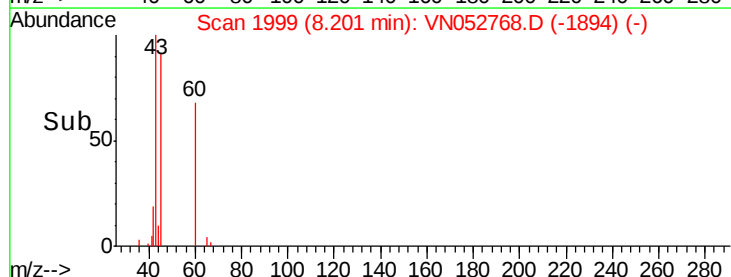
87 0.0 10.6 15.8#

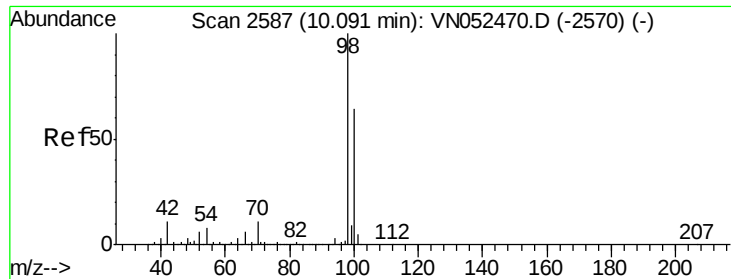


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052768.D

Acq: 10 Dec 2018 23:10

Instrument :

MSVOA_N

ClientSampleId :

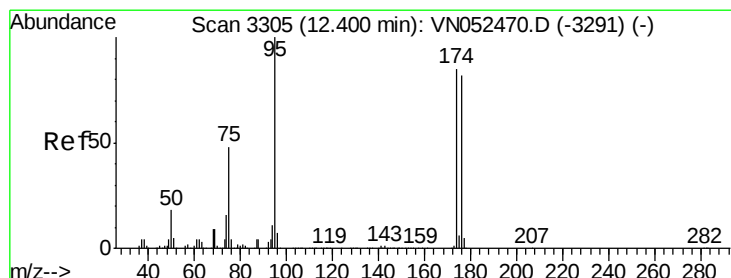
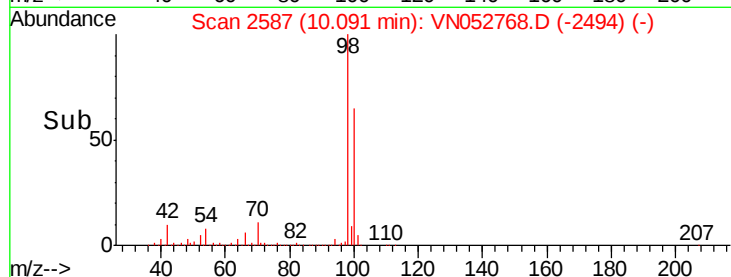
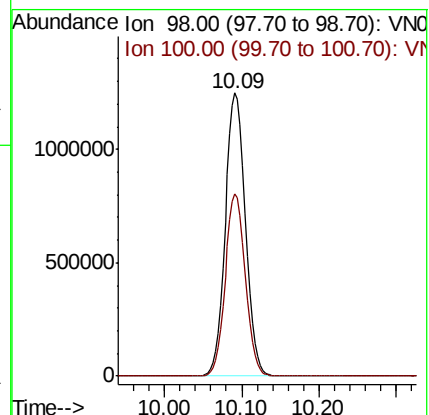
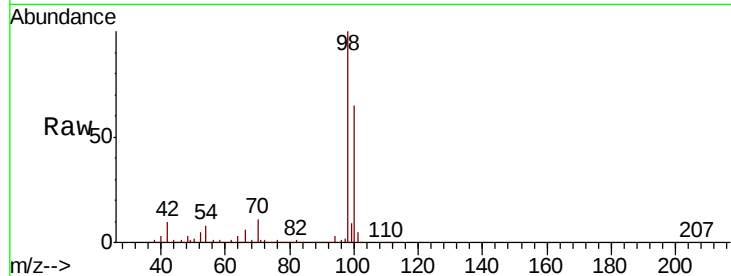
VN1210WBL03

Tot Ion: 98 Resp: 2264203

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052768.D

Acq: 10 Dec 2018 23:10

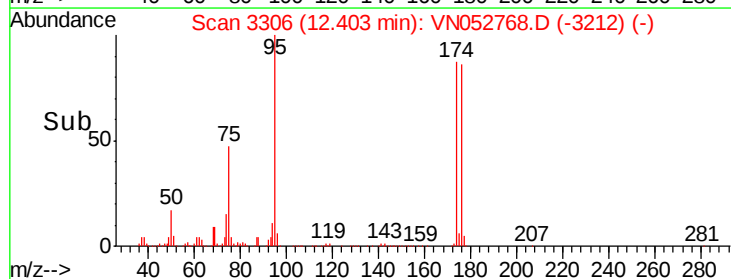
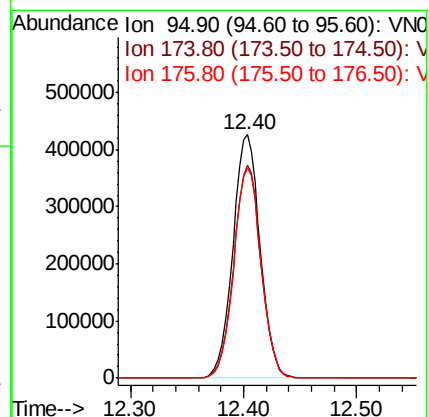
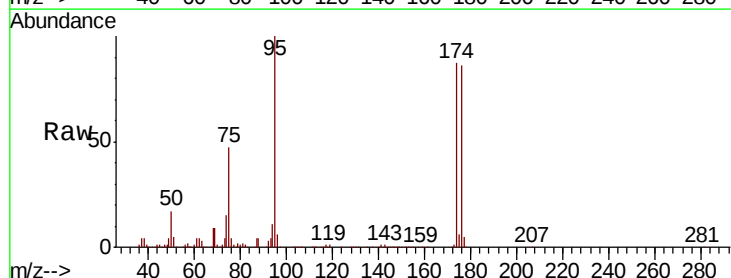
Tgt Ion: 95 Resp: 710378

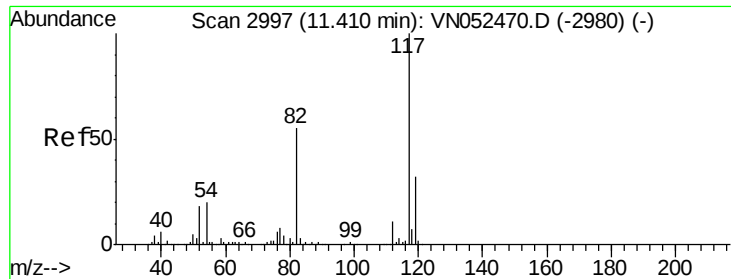
Ion Ratio Lower Upper

95 100

174 87.6 0.0 173.0

176 86.4 0.0 166.2

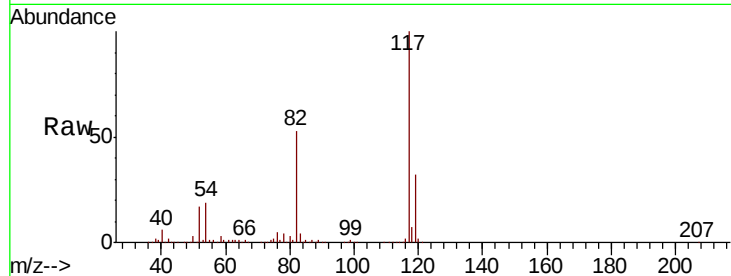




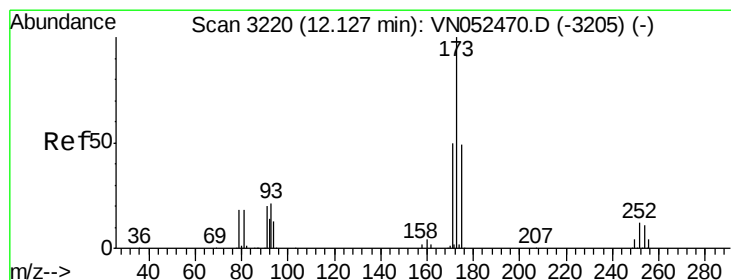
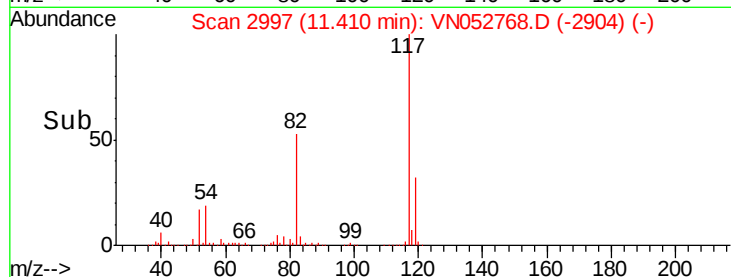
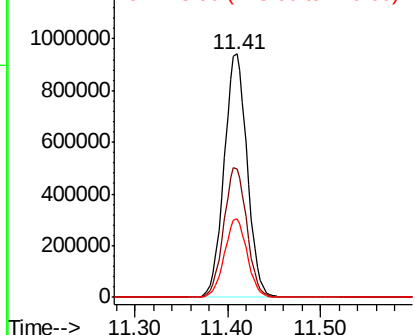
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052768.D
Acq: 10 Dec 2018 23:10

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL03

Tot Ion:117 Resp: 1615906
Ion Ratio Lower Upper
117 100
82 52.9 43.6 65.4
119 32.2 25.4 38.2

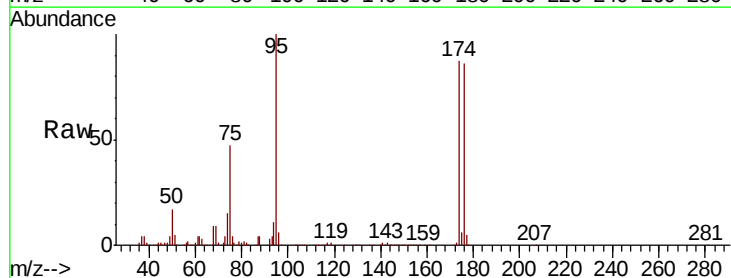


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

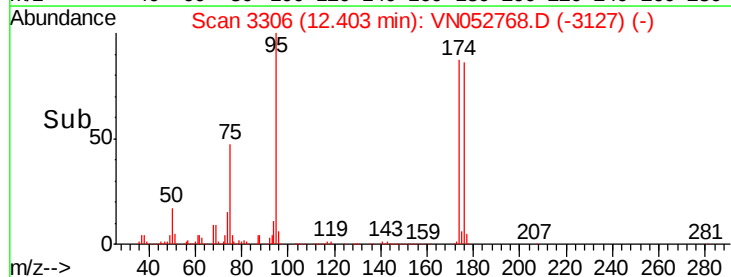
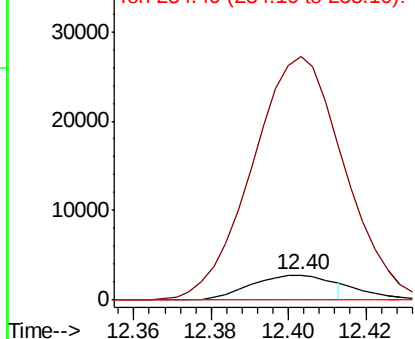


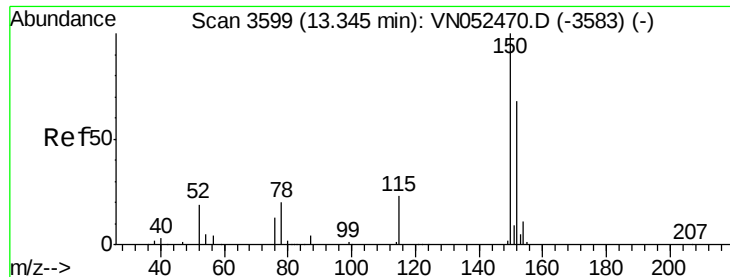
#71
Bromoform
Concen: 0.520 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052768.D
Acq: 10 Dec 2018 23:10

Tgt Ion:173 Resp: 3989
Ion Ratio Lower Upper
173 100
175 970.3 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: VN052768.D

Acq: 10 Dec 2018 23:10

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL03

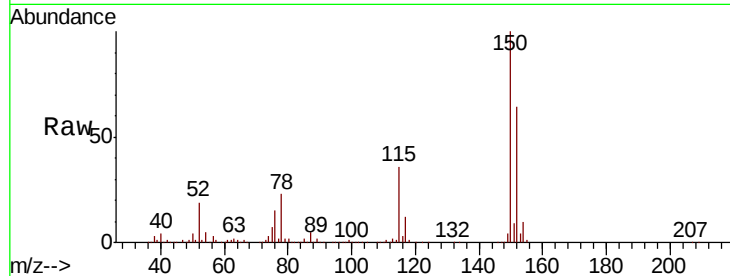
Tot Ion:152 Resp: 616062

Ion Ratio Lower Upper

152 100

115 56.3 28.4 85.2

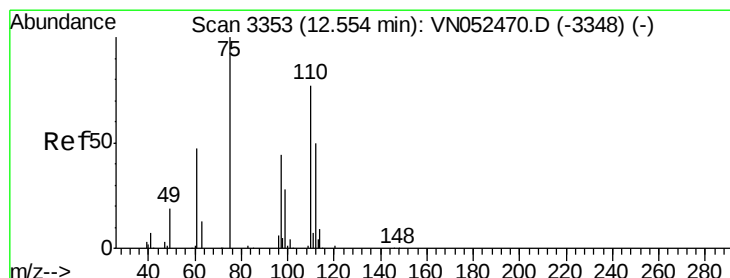
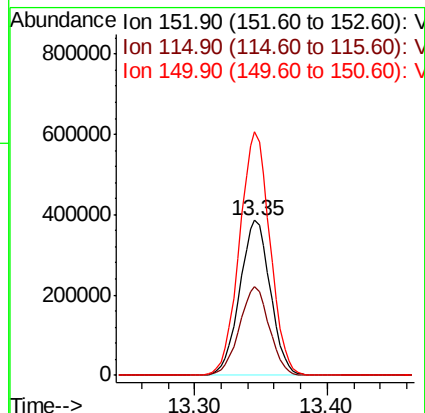
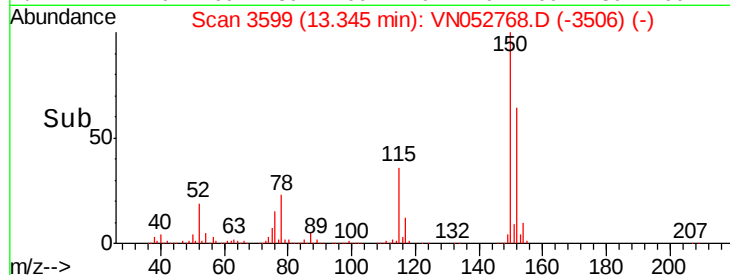
150 157.2 0.0 346.0



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: 35.550 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052768.D

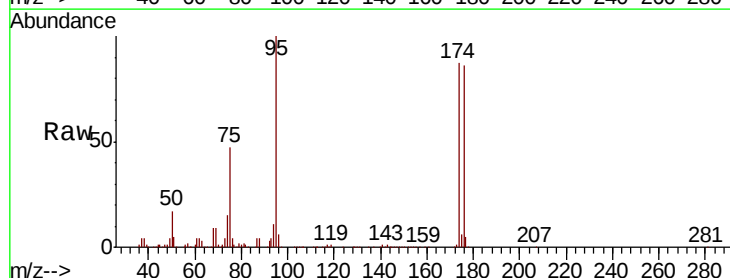
Acq: 10 Dec 2018 23:10

Tgt Ion: 75 Resp: 337722

Ion Ratio Lower Upper

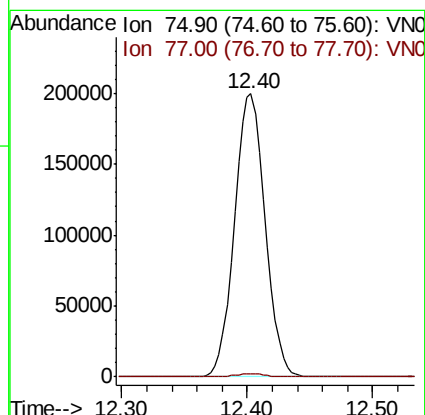
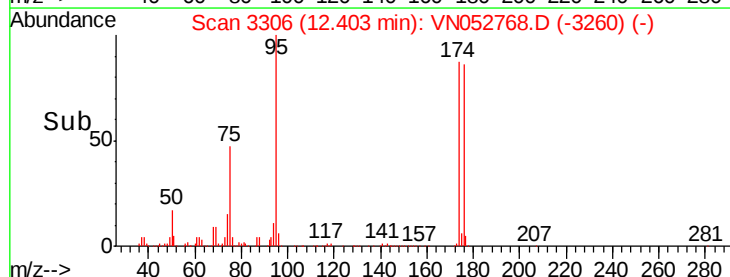
75 100

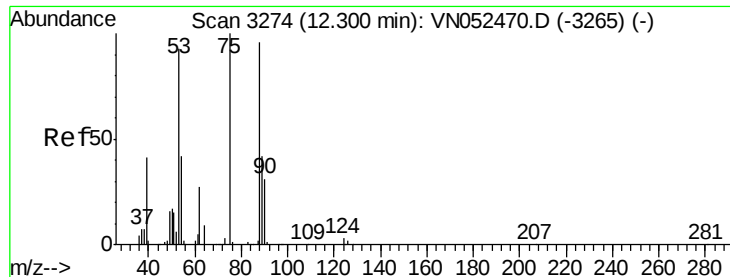
77 1.2 0.0 0.0#



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: 118.719 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052768.D

Acq: 10 Dec 2018 23:10

Instrument :

MSVOA_N

ClientSampled :

VN1210WBL03

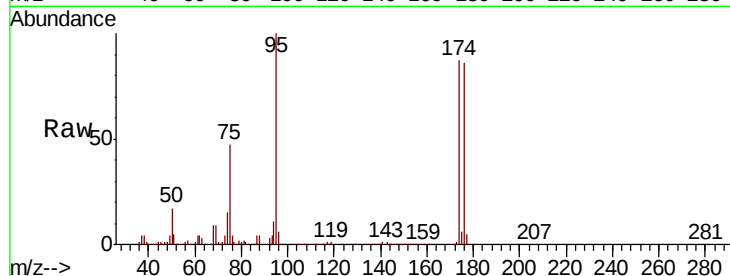
Tot Ion: 75 Resp: 337722

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#

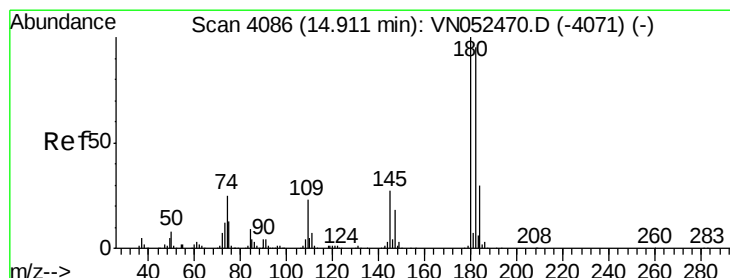
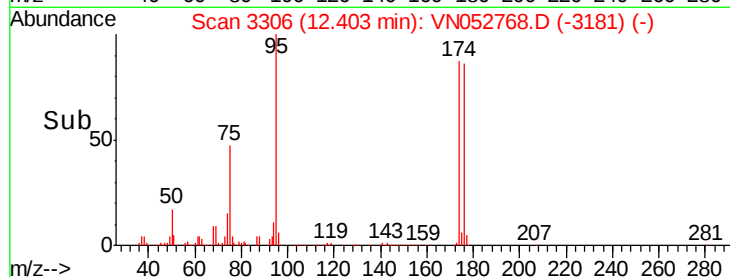
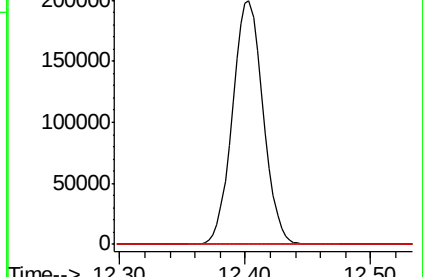


Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)

12.40



#93

1,2,4-Trichlorobenzene

Concen: 3.077 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VN052768.D

Acq: 10 Dec 2018 23:10

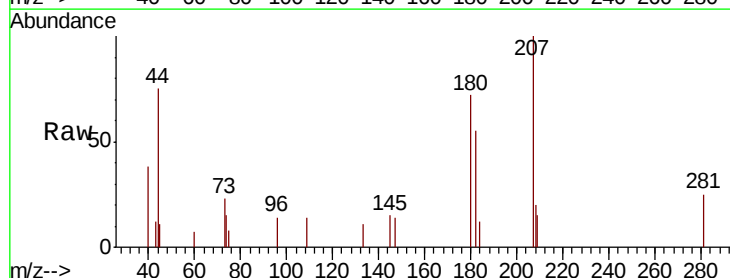
Tgt Ion: 180 Resp: 2869

Ion Ratio Lower Upper

180 100

182 91.4 47.8 143.4

145 23.2 14.1 42.3

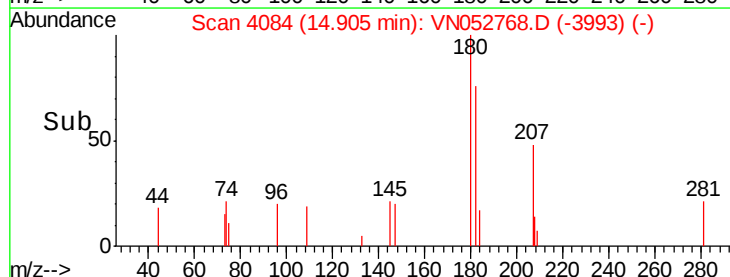
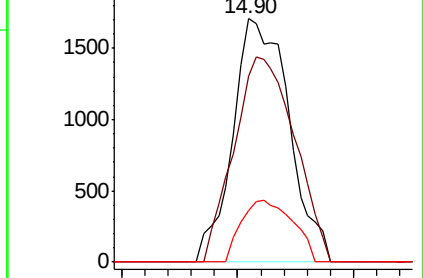


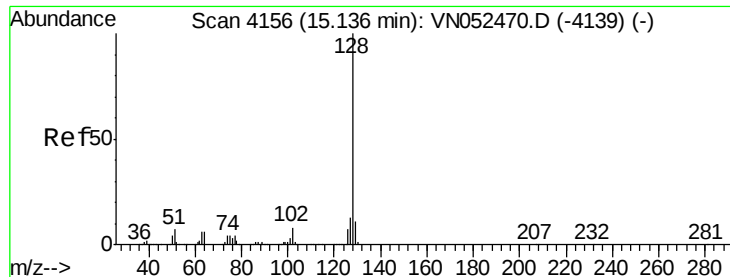
Abundance Ion 179.80 (179.50 to 180.50): VN052470.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN052470.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN052470.D (-4071) (-)

14.90





#95

Naphthalene

Concen: 3.686 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052768.D

Acq: 10 Dec 2018 23:10

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL03

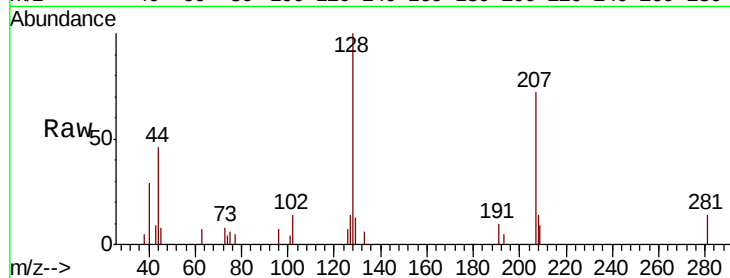
Tot Ion:128 Resp: 6402

Ion Ratio Lower Upper

128 100

127 14.6 10.2 15.2

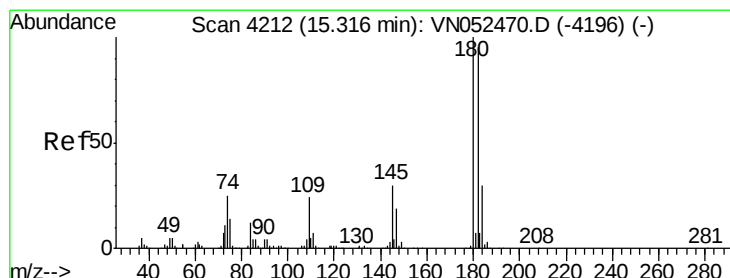
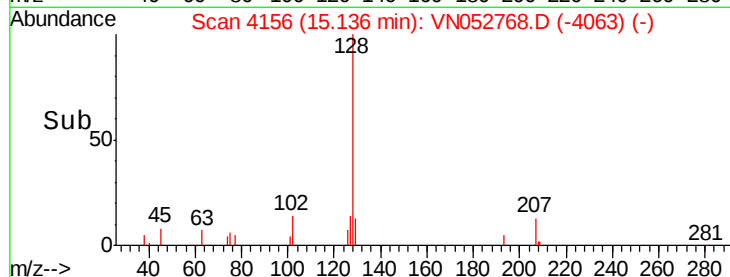
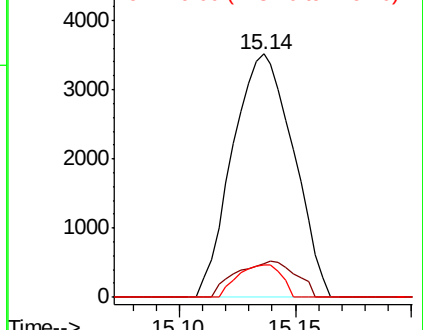
129 9.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.986 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052768.D

Acq: 10 Dec 2018 23:10

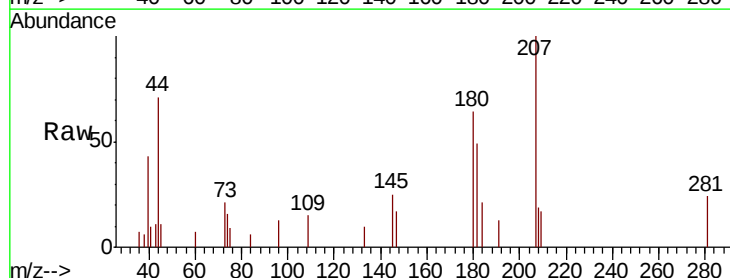
Tgt Ion:180 Resp: 2758

Ion Ratio Lower Upper

180 100

182 93.1 47.8 143.3

145 32.6 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

