

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120418\
 Data File : VN052651.D
 Acq On : 4 Dec 2018 13:47
 Operator : MD\SY
 Sample : J6209-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 HMF-NORTH

Quant Time: Dec 05 03:07:28 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	1190362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1838313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1602802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	615104	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	619553	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	7.59	113	562561	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	10.09	98	2220966	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	707100	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	

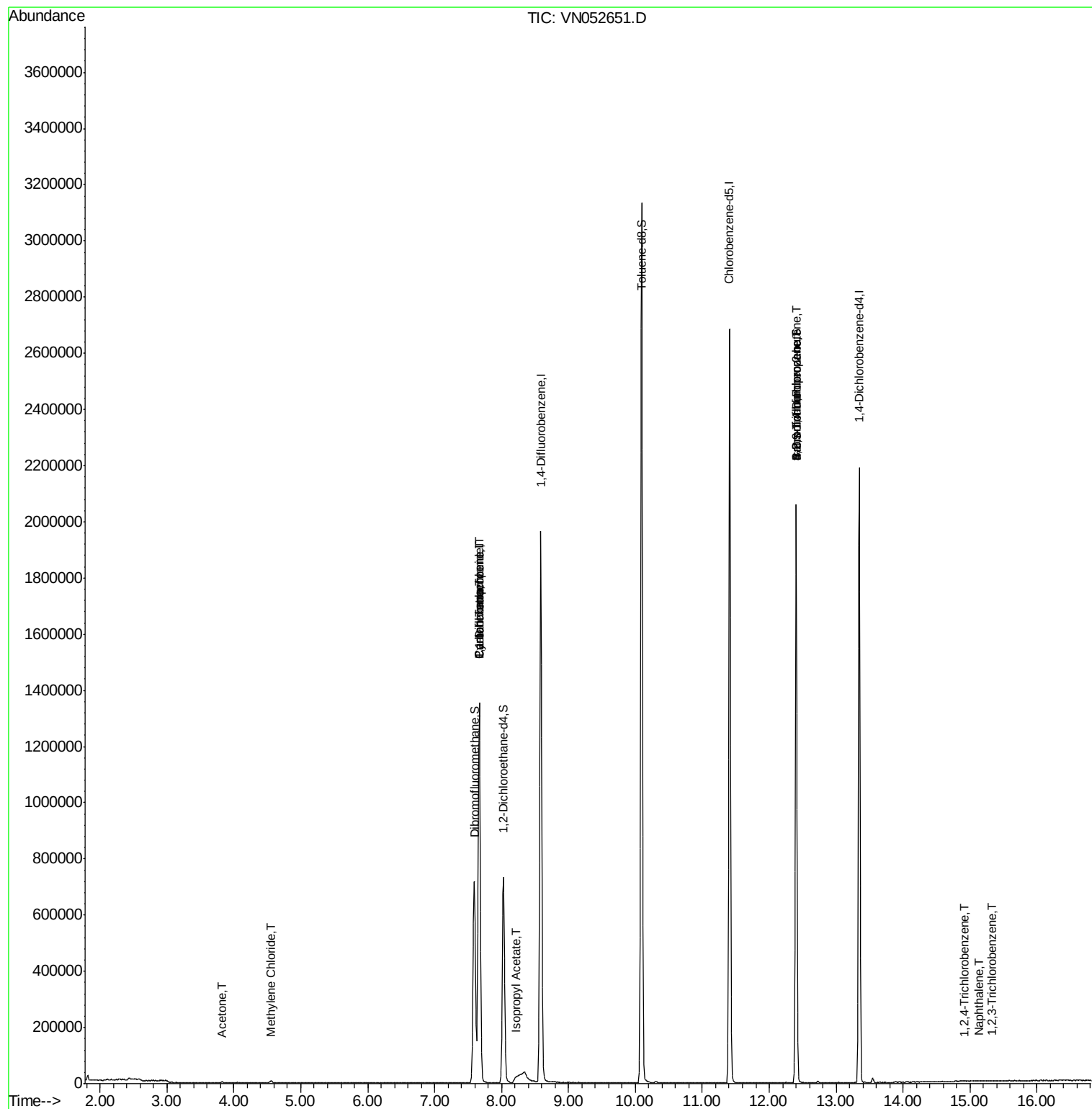
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	7826	2.289	ug/l	91
20) Methylene Chloride	4.56	84	5349	0.400	ug/l	92
31) Cyclohexane	7.66	56	21374	0.597	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	83010	4.782	ug/l #	49
38) Carbon Tetrachloride	7.66	117	106199	6.758	ug/l #	16
43) Isopropyl Acetate	8.20	43	11716	0.653	ug/l #	51
71) Bromoform	12.40	173	3863	0.508	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	337625	35.595	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	337625	118.870	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	294	2.855	ug/l #	75
95) Naphthalene	15.13	128	1736	3.498	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	398	2.764	ug/l #	73

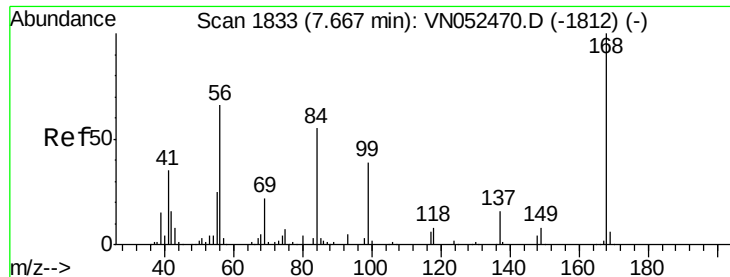
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052651.D

Acq: 4 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

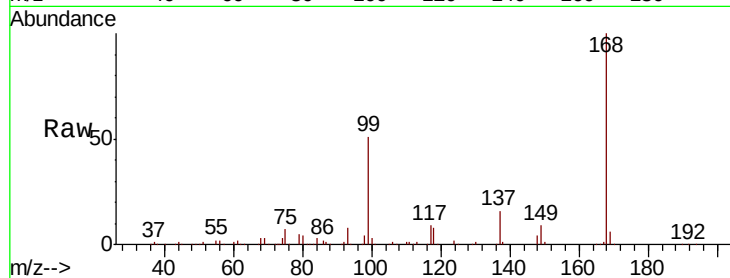
HMF-NORTH

Tot Ion:168 Resp: 1190362

Ion Ratio Lower Upper

168 100

99 51.2 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

500000

400000

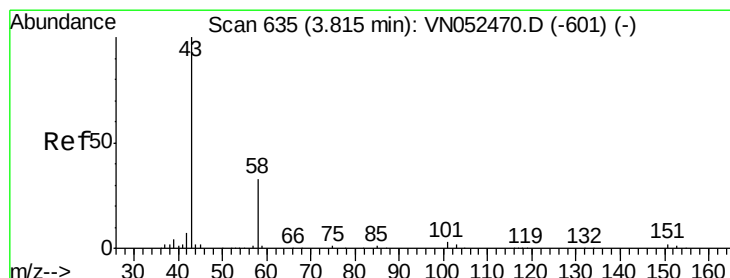
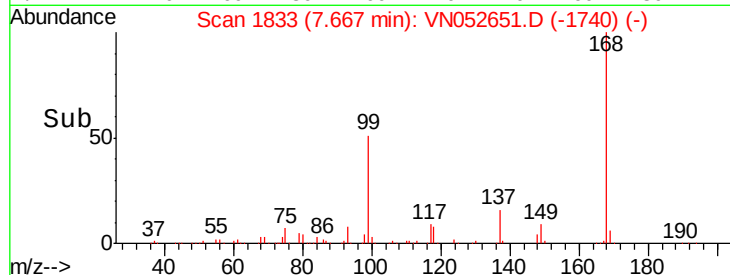
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 2.289 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052651.D

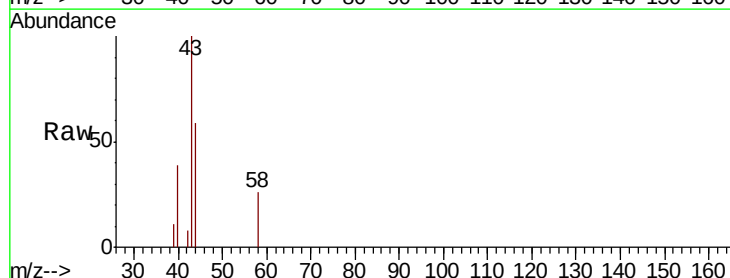
Acq: 4 Dec 2018 13:47

Tgt Ion: 43 Resp: 7826

Ion Ratio Lower Upper

43 100

58 27.5 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

3.83

3000

2500

2000

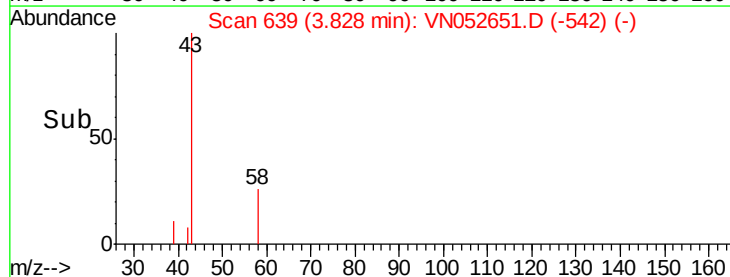
1500

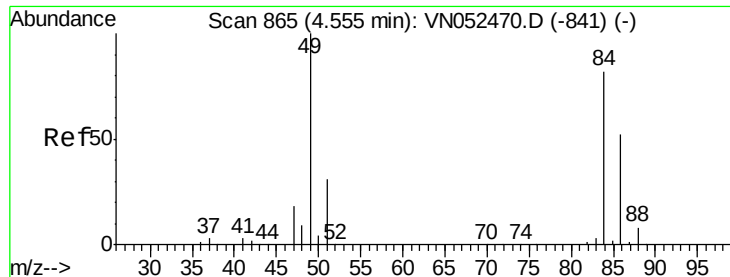
1000

500

0

Time--> 3.75 3.80 3.85 3.90

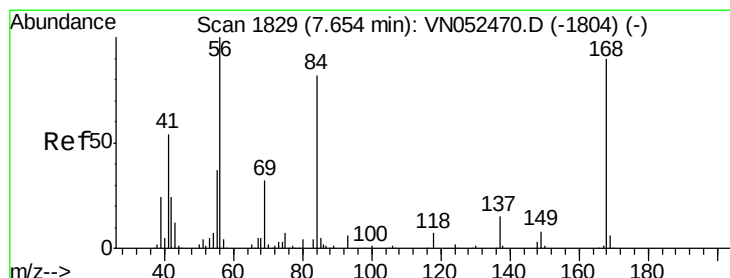
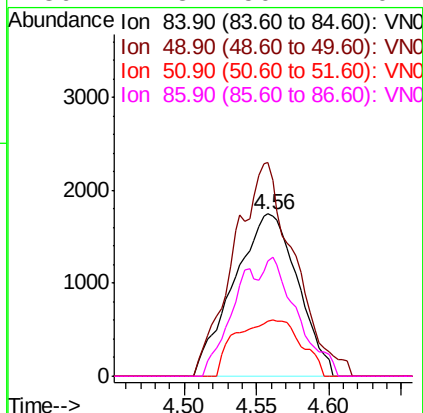
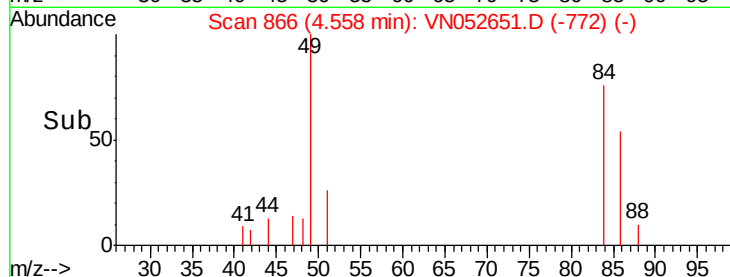
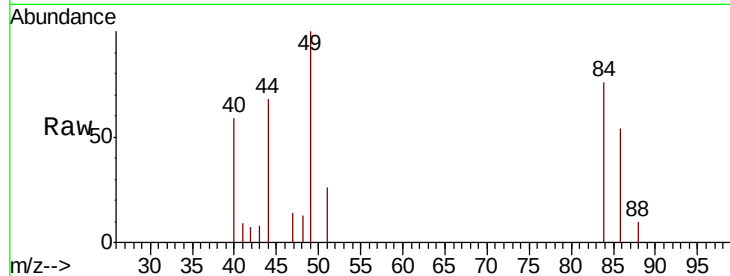




#20
Methylene Chloride
Concen: 0.400 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052651.D
Acq: 4 Dec 2018 13:47

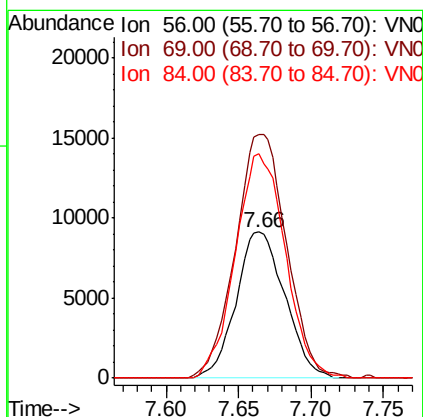
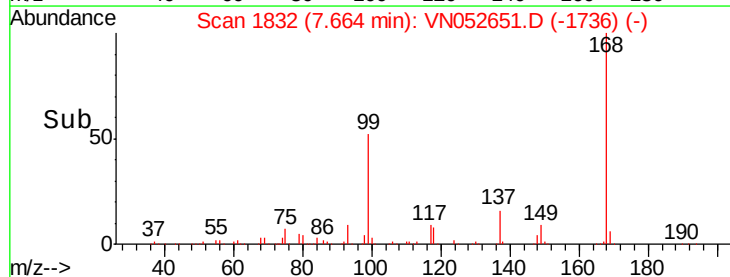
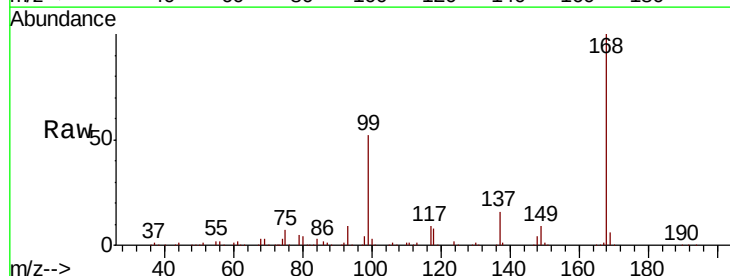
Instrument :
MSVOA_N
ClientSampleId :
HMF-NORTH

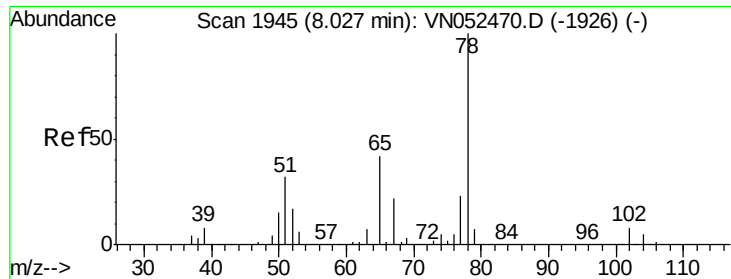
Tot Ion: 84 Resp: 5349
Ion Ratio Lower Upper
84 100
49 131.8 98.0 147.0
51 34.3 30.1 45.1
86 71.3 50.7 76.1



#31
Cyclohexane
Concen: 0.597 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052651.D
Acq: 4 Dec 2018 13:47

Tgt Ion: 56 Resp: 21374
Ion Ratio Lower Upper
56 100
69 166.6 25.8 38.6#
84 153.5 65.3 97.9#

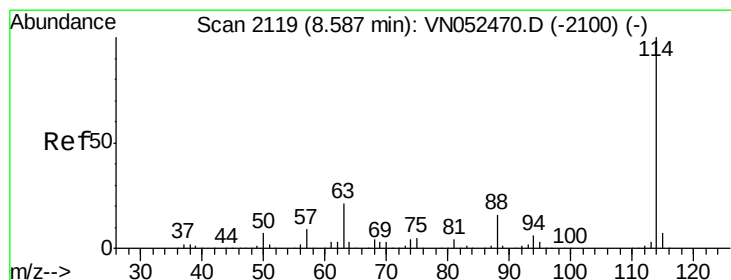
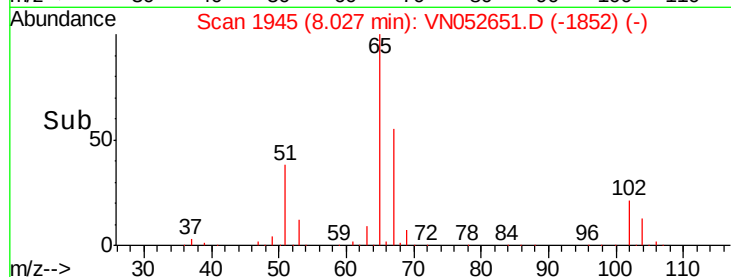
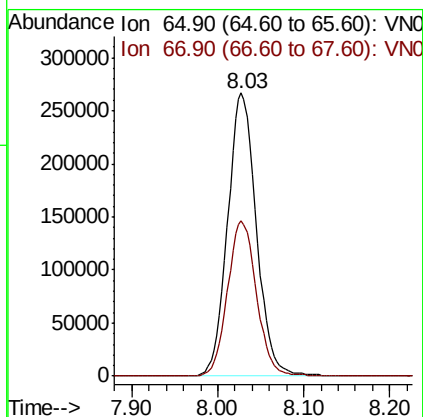
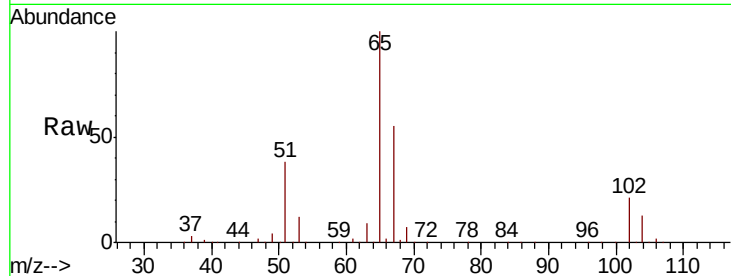




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052651.D
 Acq: 4 Dec 2018 13:47

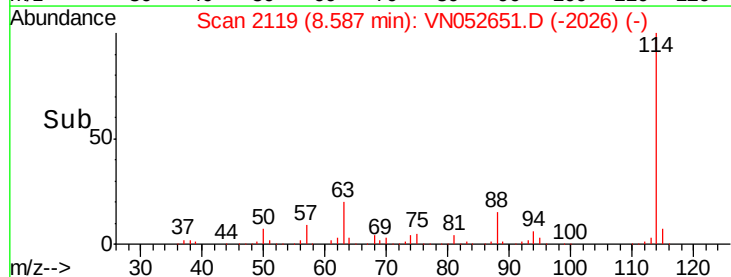
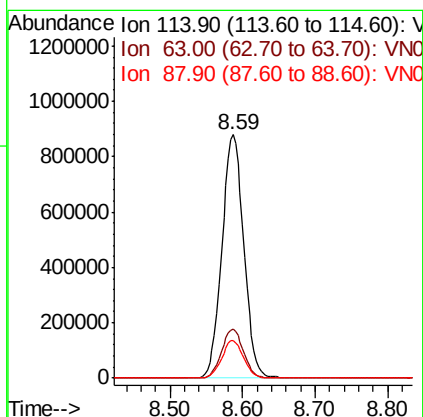
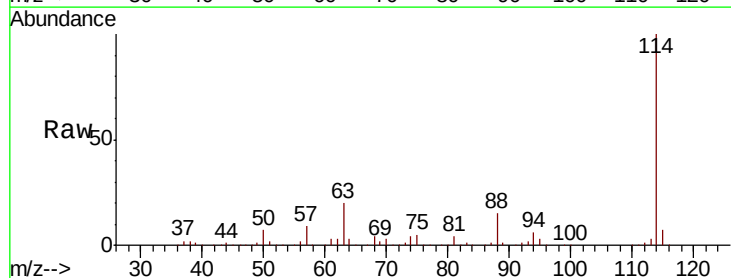
Instrument :
 MSVOA_N
 ClientSampleId :
 HMF-NORTH

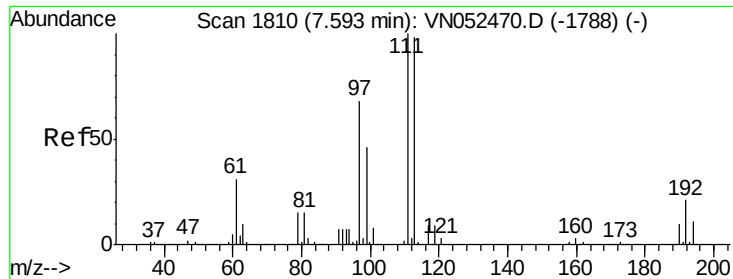
Tot Ion: 65 Resp: 619553
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052651.D
 Acq: 4 Dec 2018 13:47

Tgt Ion: 114 Resp: 1838313
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.8
 88 15.3 0.0 31.6

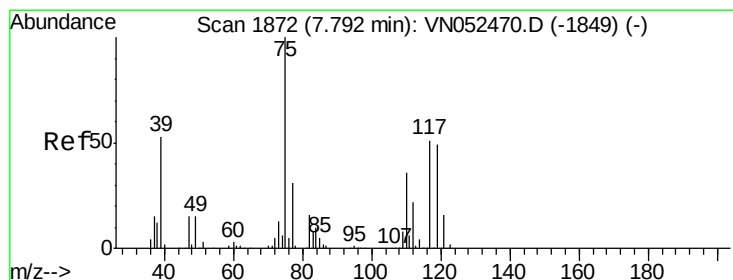
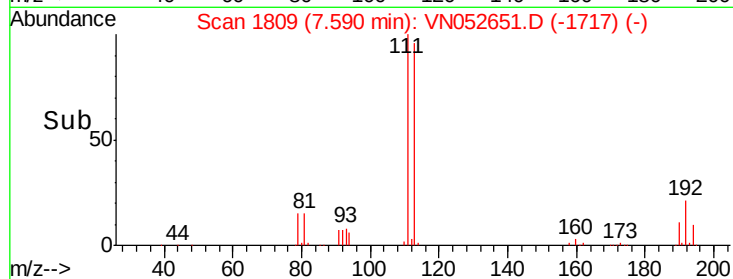
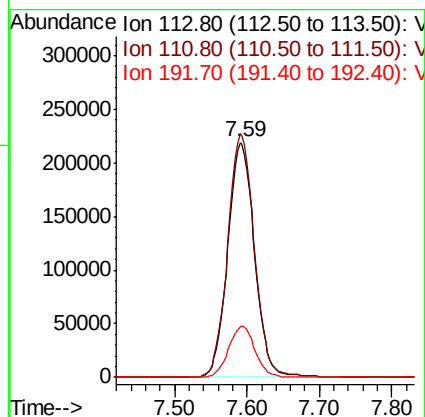
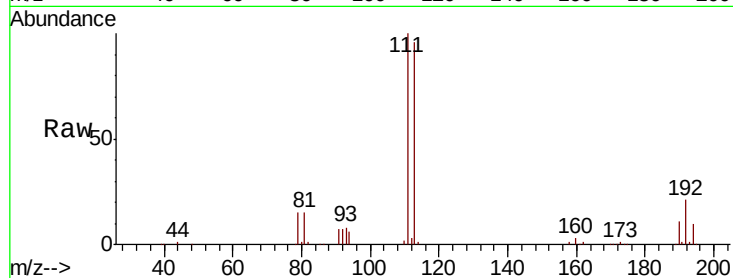




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052651.D
 Acq: 4 Dec 2018 13:47

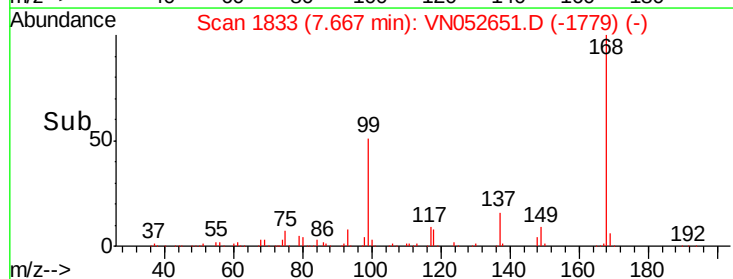
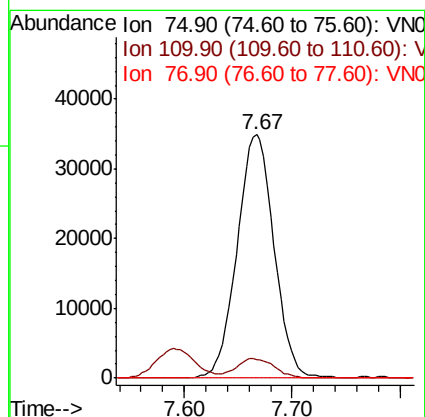
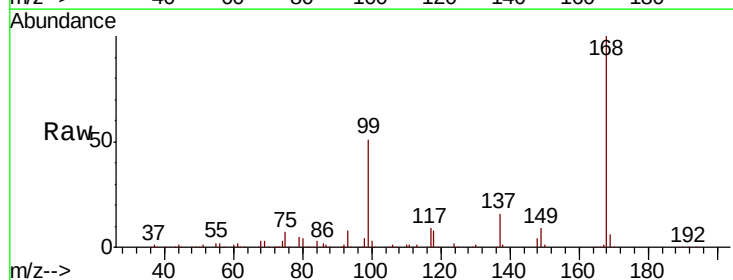
Instrument :
 MSVOA_N
 ClientSampleId :
 HMF-NORTH

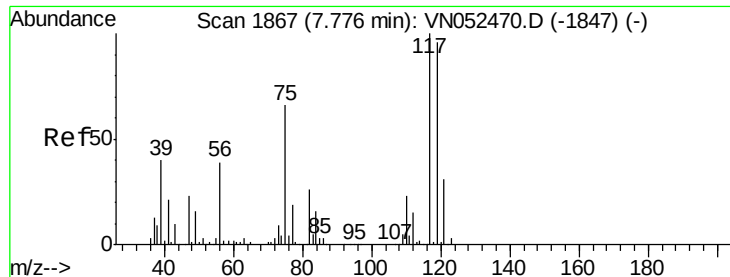
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	21.5	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.782 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052651.D
 Acq: 4 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.758 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052651.D

Acq: 4 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

HMF-NORTH

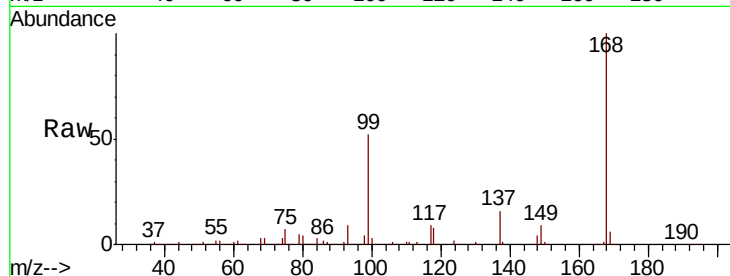
Tot Ion:117 Resp: 106199

Ion Ratio Lower Upper

117 100

119 5.1 76.8 115.2#

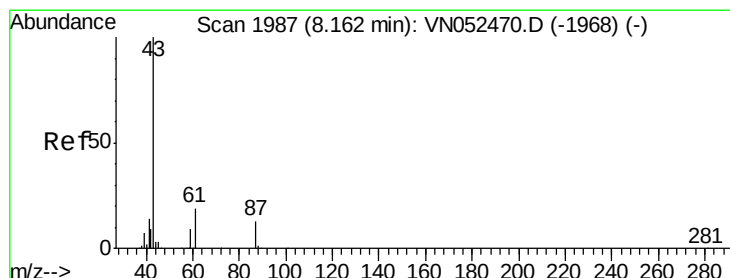
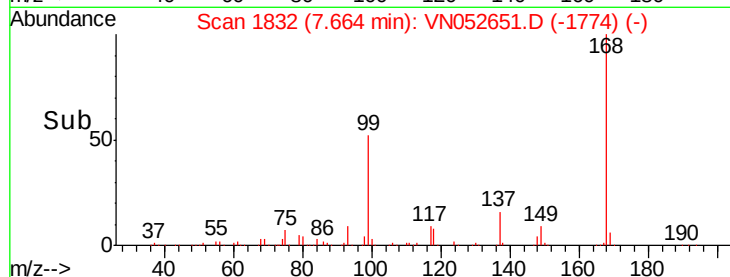
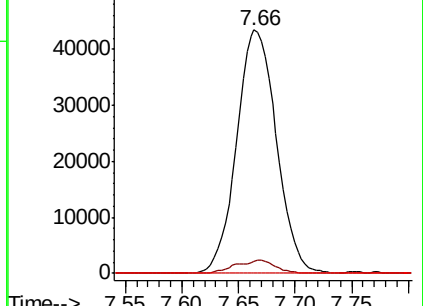
121 0.0 24.9 37.3#



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: 0.653 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN052651.D

Acq: 4 Dec 2018 13:47

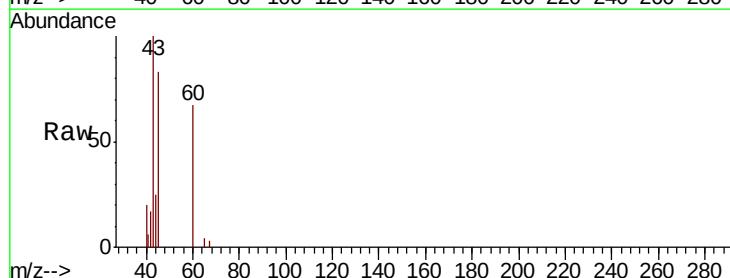
Tgt Ion: 43 Resp: 11716

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

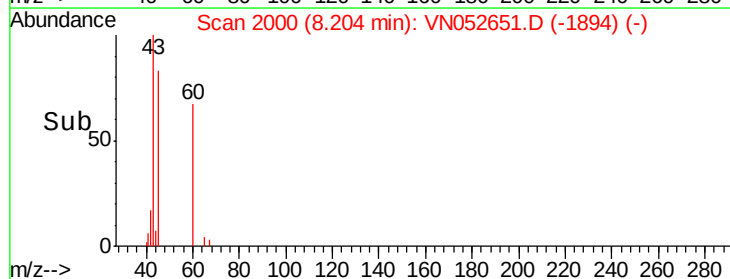
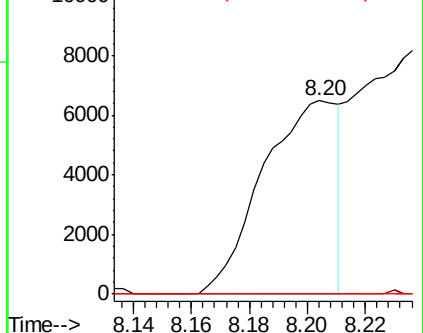
87 0.0 10.6 15.8#

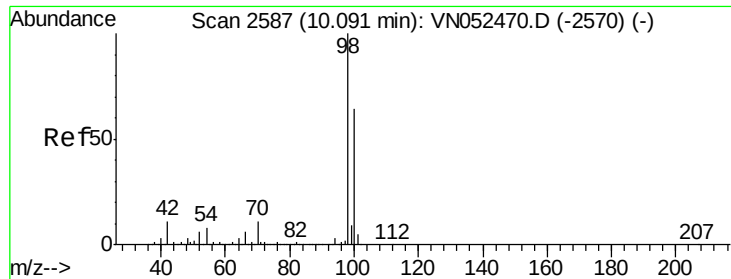


Abundance Ion 43.00 (42.70 to 43.70): V

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: VN052651.D

Acq: 4 Dec 2018 13:47

Instrument :

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ClientSampleId :

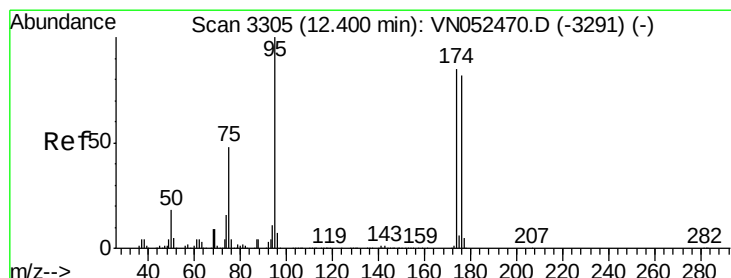
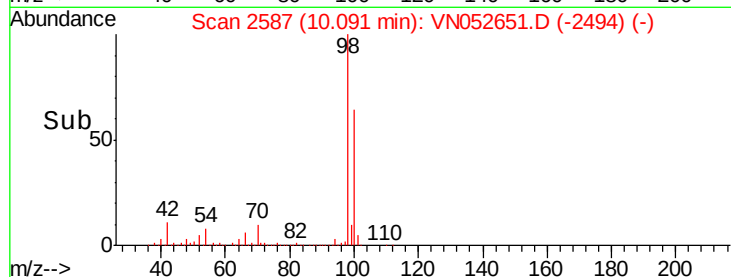
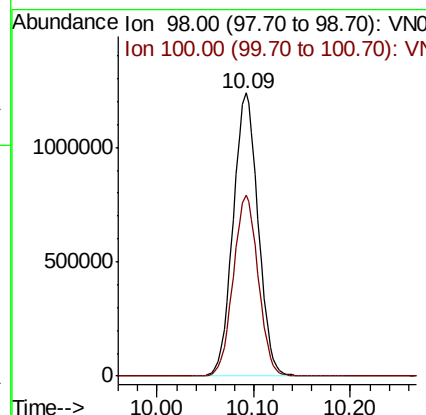
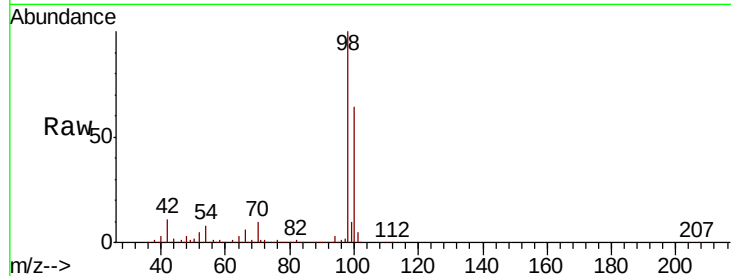
HMF-NORTH

Tot Ion: 98 Resp: 2220966

Ion Ratio Lower Upper

98 100

100 63.8 51.3 76.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052651.D

Acq: 4 Dec 2018 13:47

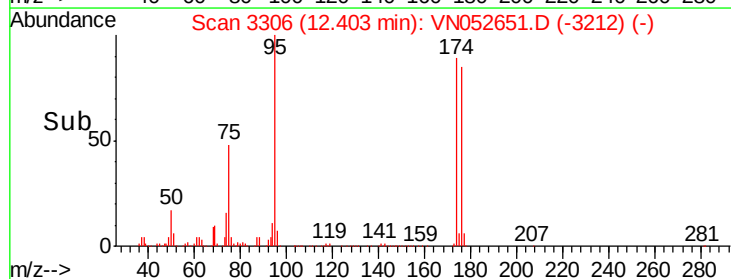
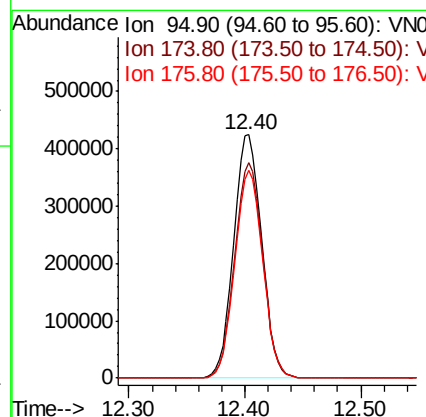
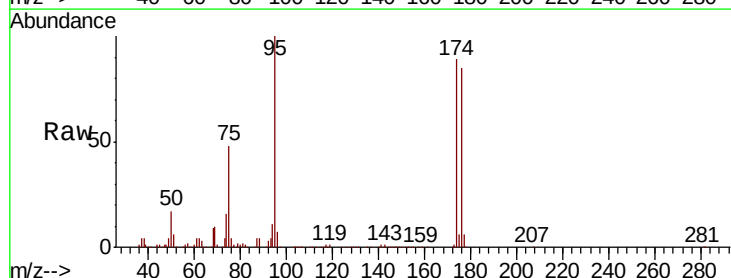
Tgt Ion: 95 Resp: 707100

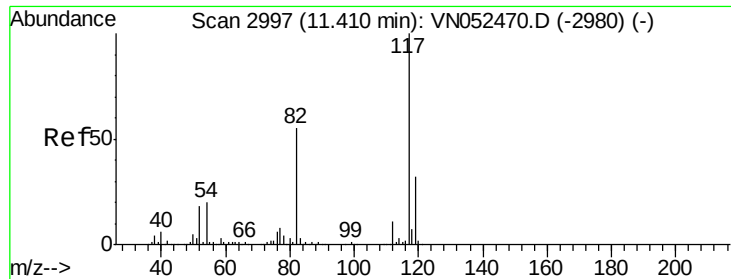
Ion Ratio Lower Upper

95 100

174 88.5 0.0 173.0

176 85.1 0.0 166.2

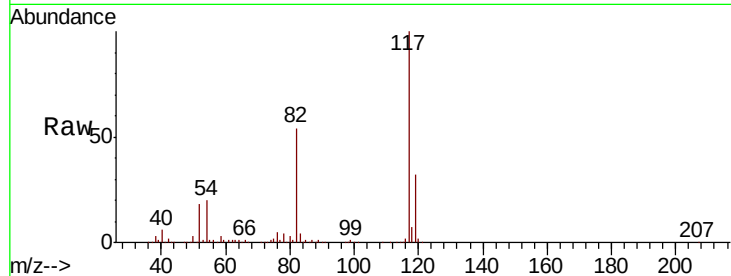




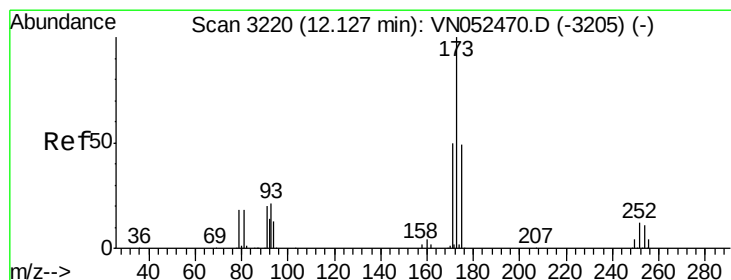
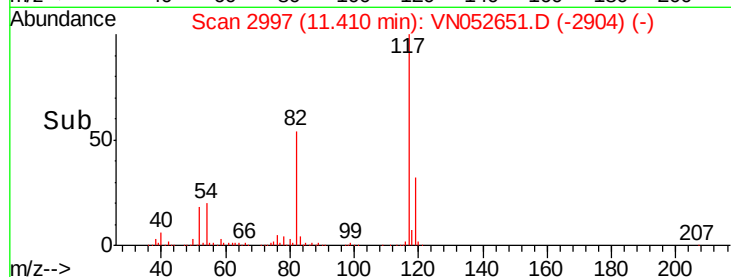
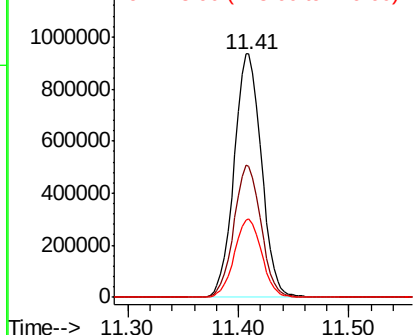
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052651.D
Acq: 4 Dec 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
HMF-NORTH

Tot Ion:117 Resp: 1602802
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 32.0 25.4 38.2

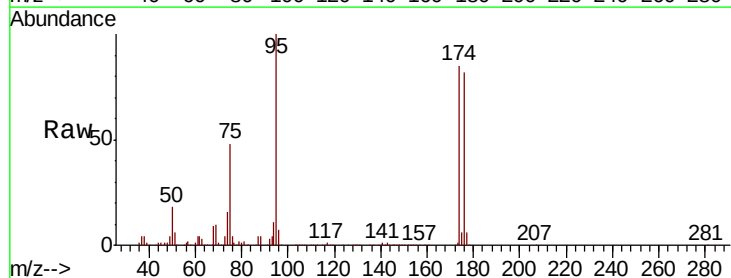


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

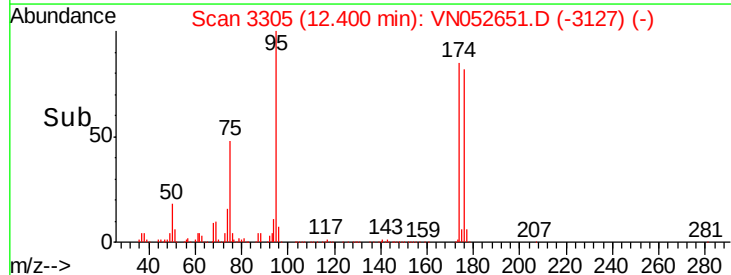
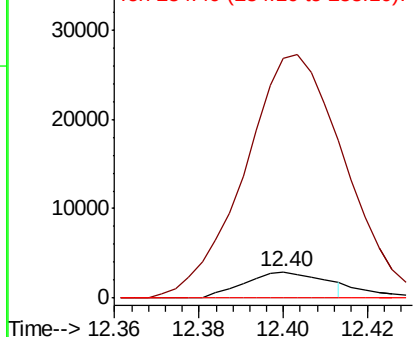


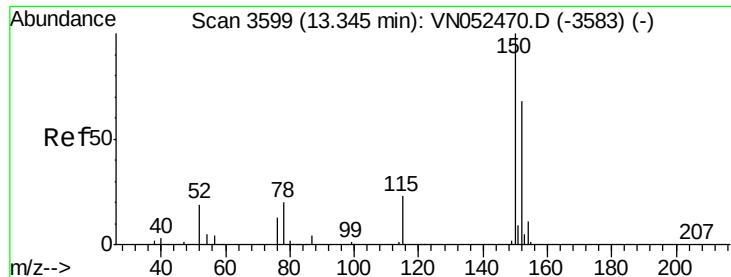
#71
Bromoform
Concen: 0.508 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052651.D
Acq: 4 Dec 2018 13:47

Tgt Ion:173 Resp: 3863
Ion Ratio Lower Upper
173 100
175 993.8 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: VN052651.D

Acq: 4 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

HMF-NORTH

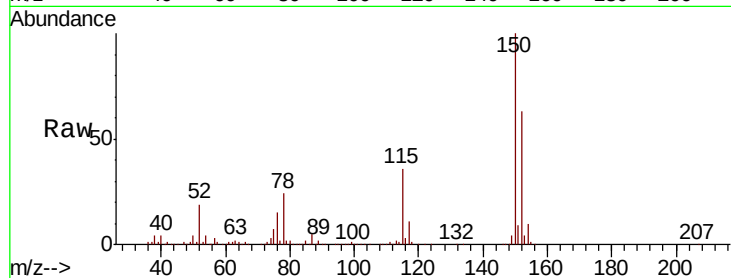
Tot Ion:152 Resp: 615104

Ion Ratio Lower Upper

152 100

115 56.3 28.4 85.2

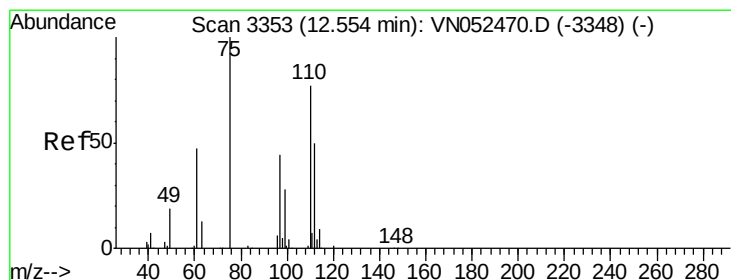
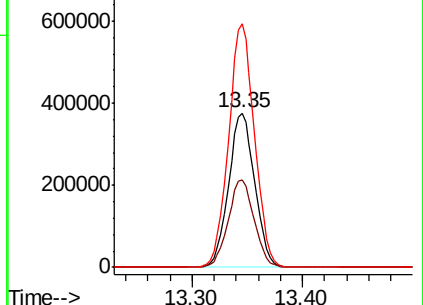
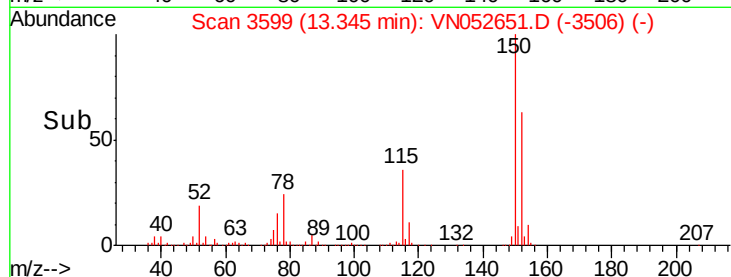
150 156.9 0.0 346.0



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: 35.595 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052651.D

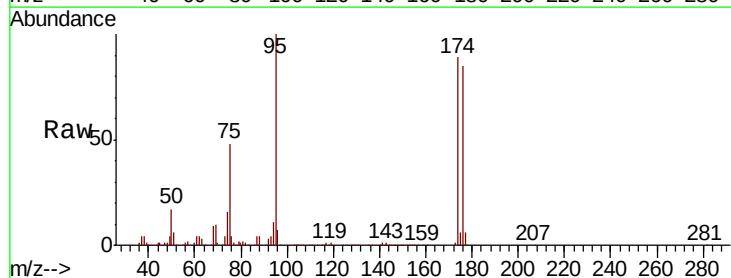
Acq: 4 Dec 2018 13:47

Tgt Ion: 75 Resp: 337625

Ion Ratio Lower Upper

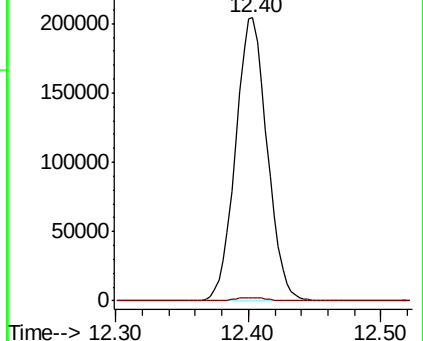
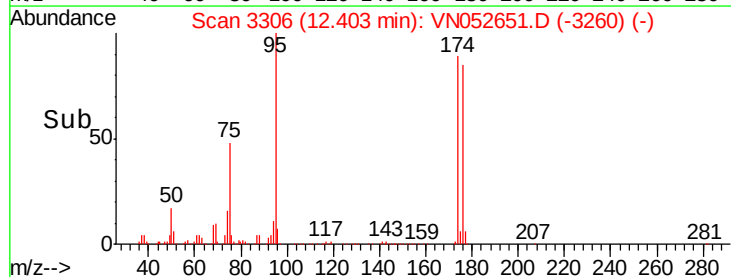
75 100

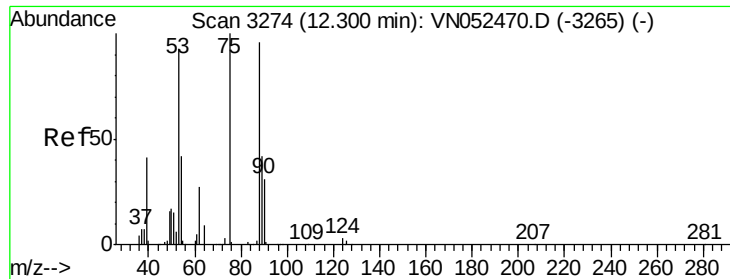
77 1.2 0.0 0.0#



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: 118.870 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052651.D

Acq: 4 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

HMF-NORTH

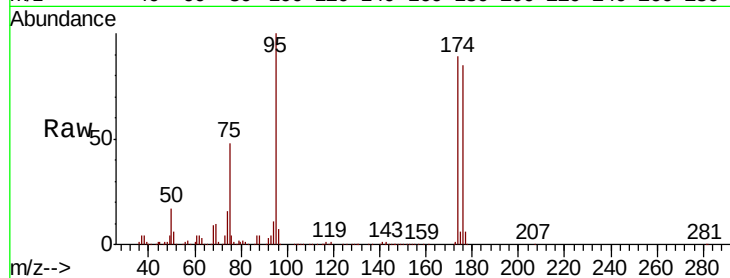
Tot Ion: 75 Resp: 337625

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

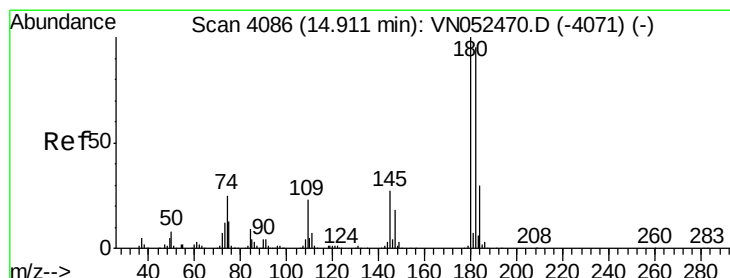
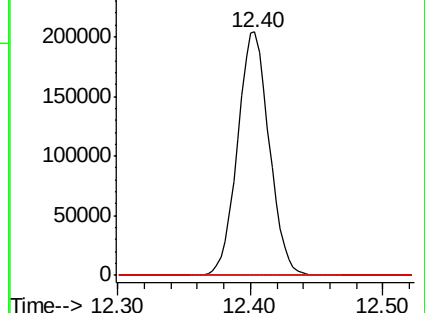
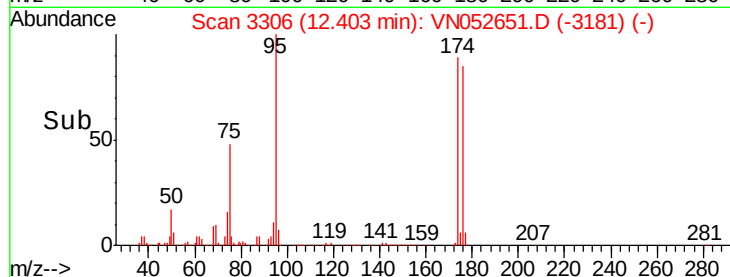
89 0.0 35.4 53.2#



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



#93

1,2,4-Trichlorobenzene

Concen: 2.855 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052651.D

Acq: 4 Dec 2018 13:47

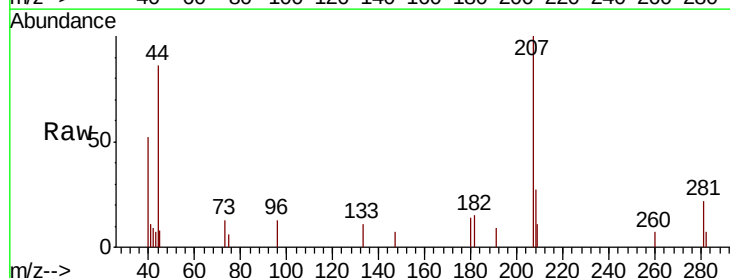
Tgt Ion:180 Resp: 294

Ion Ratio Lower Upper

180 100

182 111.6 47.8 143.4

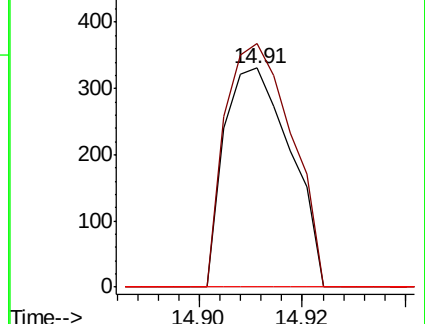
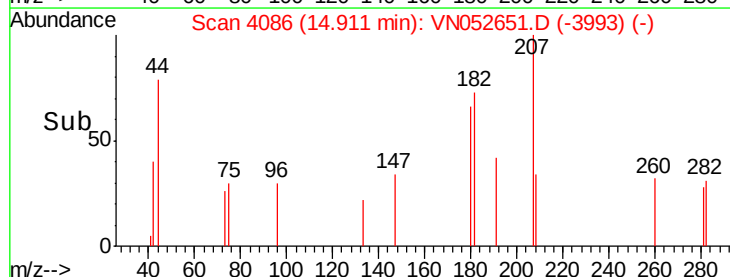
145 0.0 14.1 42.3#

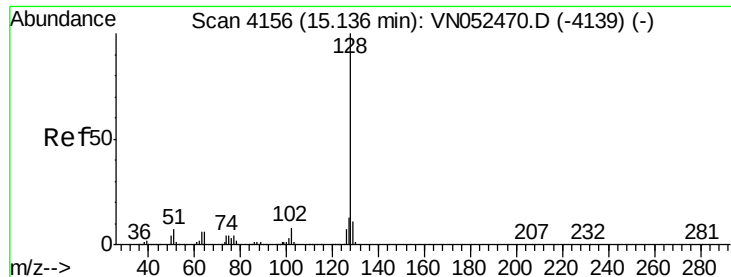


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.498 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052651.D

Acq: 4 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

HMF-NORTH

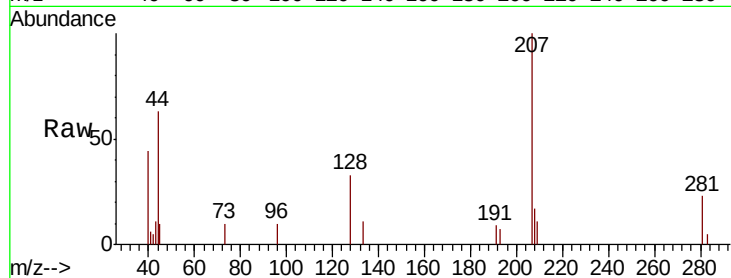
Tot Ion:128 Resp: 1736

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

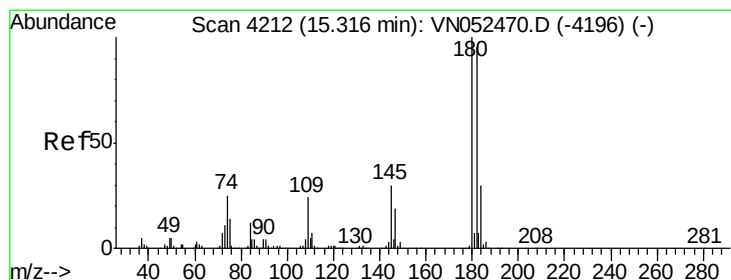
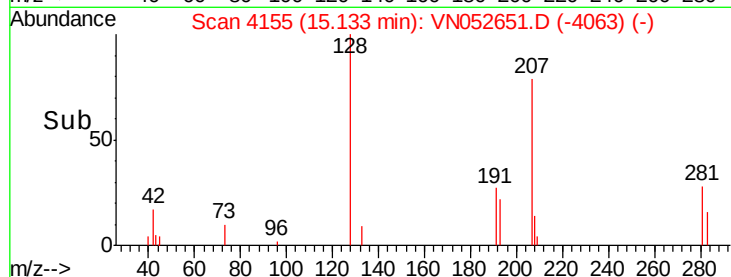
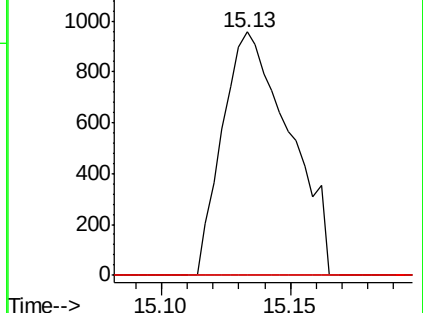
129 0.0 8.7 13.1#



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: 2.764 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN052651.D

Acq: 4 Dec 2018 13:47

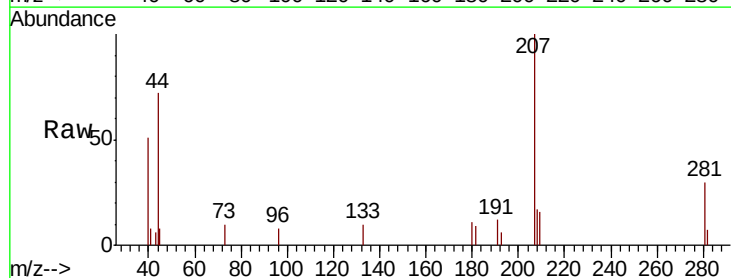
Tgt Ion:180 Resp: 398

Ion Ratio Lower Upper

180 100

182 113.6 47.8 143.3

145 0.0 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

