

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050342.D
 Acq On : 4 Aug 2018 4:14
 Operator : MD\SY
 Sample : J4313-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-5

Quant Time: Aug 04 06:33:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

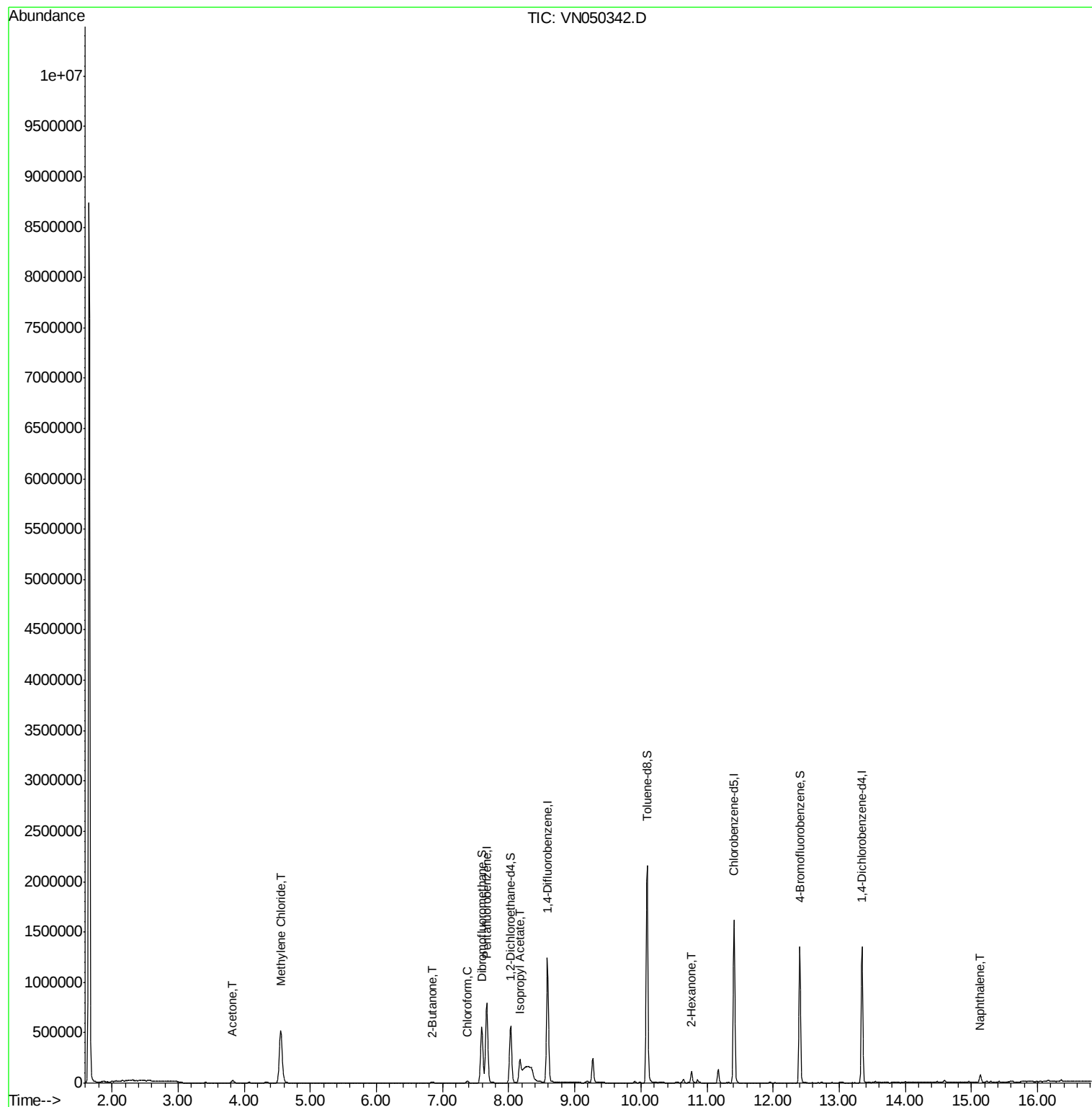
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	690129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1142853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	977176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	380931	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	481048	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	430186	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
50) Toluene-d8	10.09	98	1561908	45.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.06%	
62) 4-Bromofluorobenzene	12.40	95	441946	39.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.24%	
Target Compounds						
16) Acetone	3.82	43	38738	12.96	ug/l	98
20) Methylene Chloride	4.55	84	416946	48.81	ug/l	99
25) 2-Butanone	6.85	43	12717	3.46	ug/l #	86
30) Chloroform	7.37	83	16737	1.03	ug/l	100
43) Isopropyl Acetate	8.17	43	300748	17.03	ug/l	93
59) 2-Hexanone	10.76	43	17135	7.76	ug/l	66
95) Naphthalene	15.13	128	63475	7.74	ug/l	99

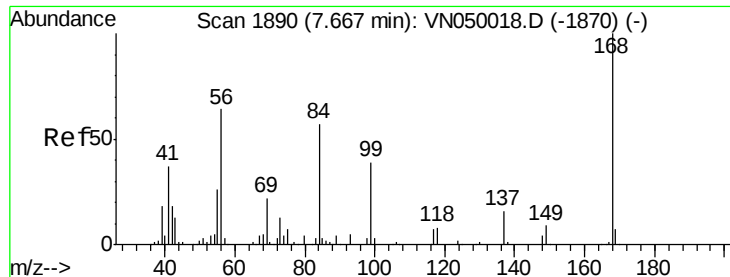
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
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Quant Time: Aug 04 06:33:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
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: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

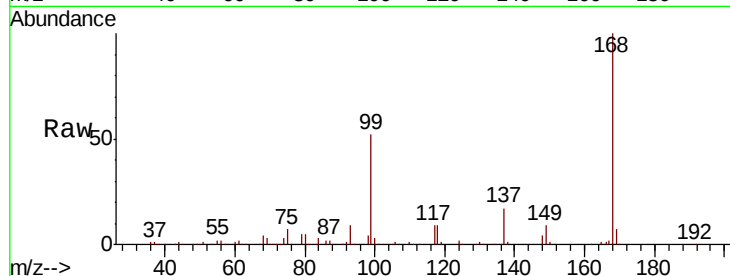
C-5

Tot Ion:168 Resp: 690129

Ion Ratio Lower Upper

168 100

99 52.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

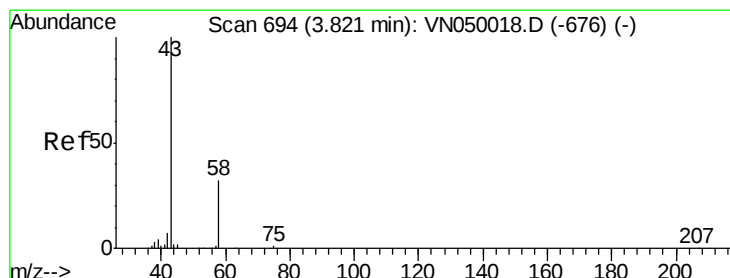
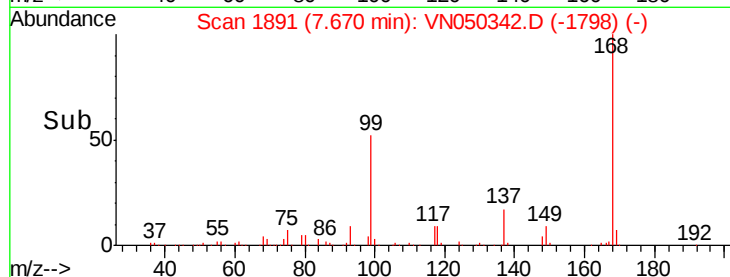
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 12.96 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050342.D

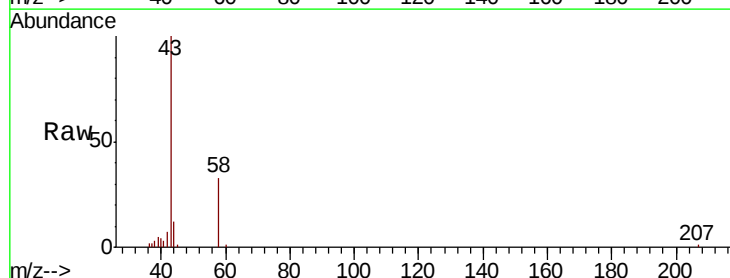
Acq: 4 Aug 2018 4:14

Tgt Ion: 43 Resp: 38738

Ion Ratio Lower Upper

43 100

58 33.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

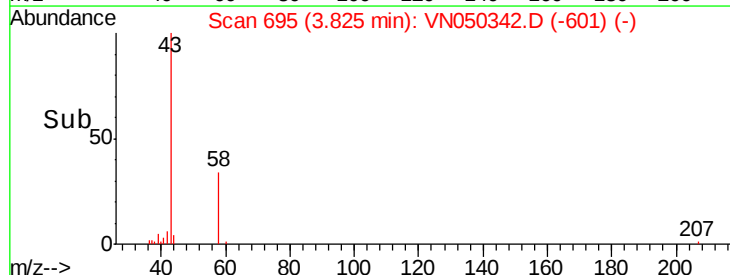
15000

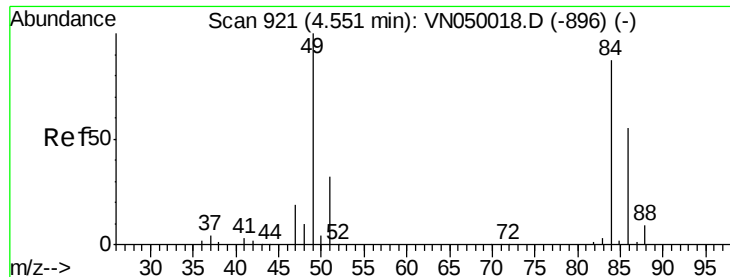
10000

5000

0

Time-->

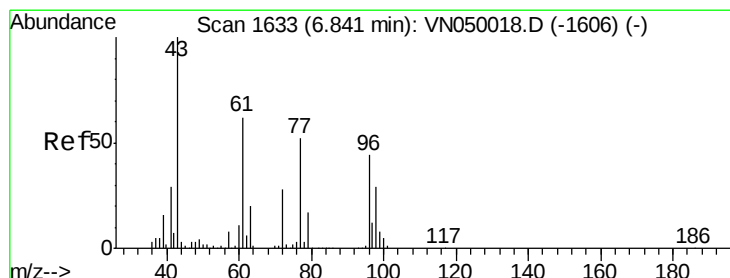
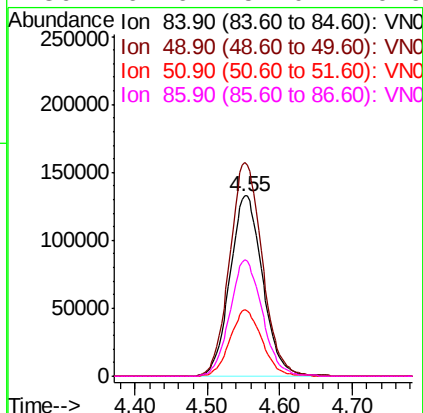
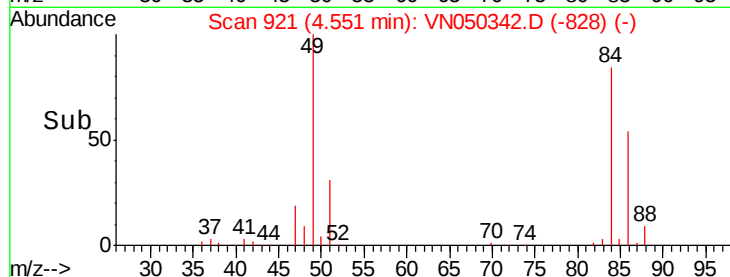
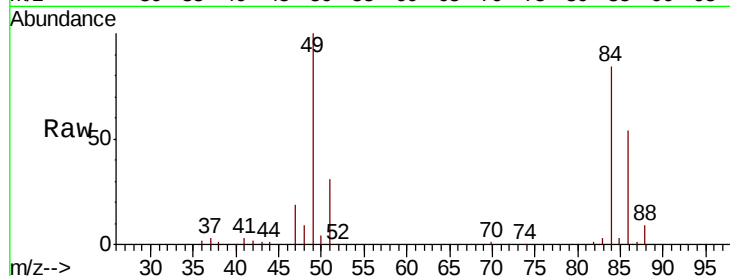




#20
Methylene Chloride
Concen: 48.81 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

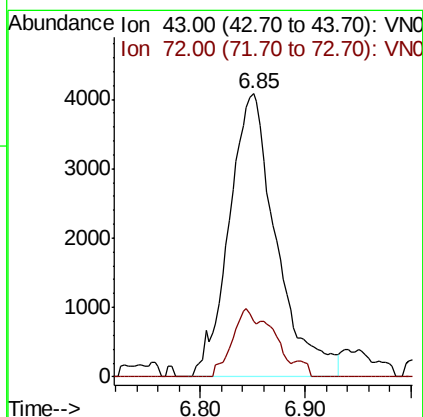
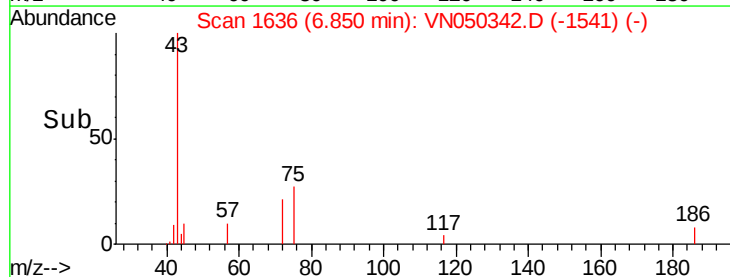
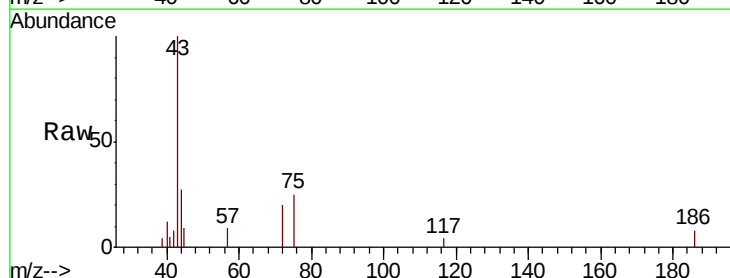
Instrument :
MSVOA_N
ClientSampleId :
C-5

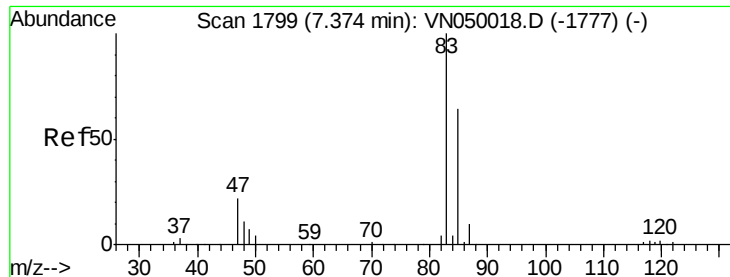
Tot Ion: 84 Resp: 416946
Ion Ratio Lower Upper
84 100
49 118.5 94.8 142.2
51 36.9 28.3 42.5
86 64.6 51.0 76.6



#25
2-Butanone
Concen: 3.46 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Tgt Ion: 43 Resp: 12717
Ion Ratio Lower Upper
43 100
72 19.5 21.5 32.3#





#30

Chloroform

Concen: 1.03 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

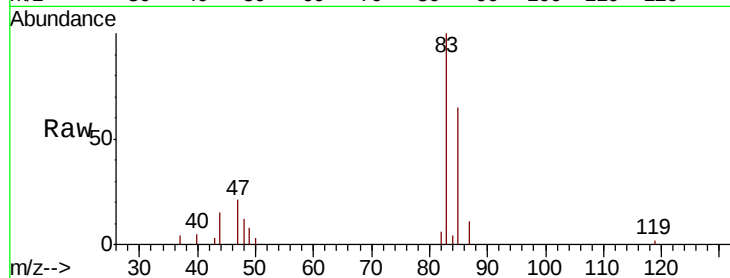
C-5

Tot Ion: 83 Resp: 16737

Ion Ratio Lower Upper

83 100

85 65.5 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-1777) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-1777) (-)

7.37

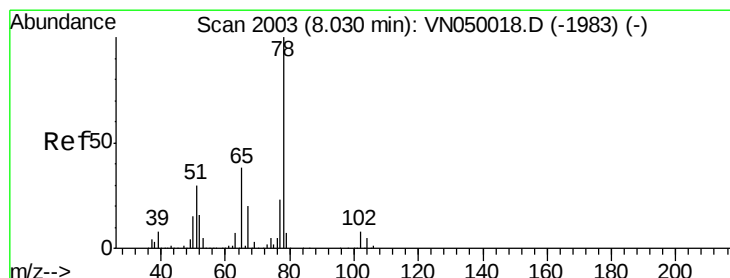
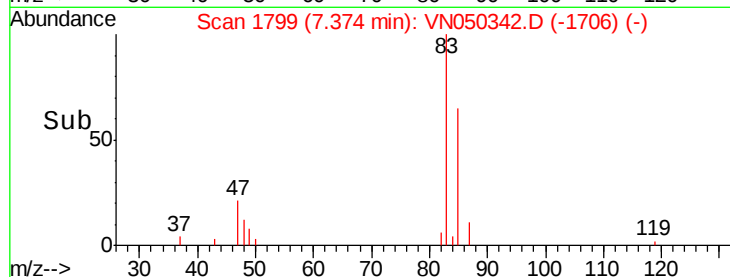
6000

4000

2000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.96 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050342.D

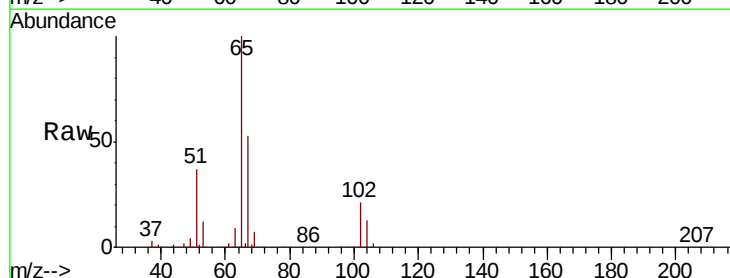
Acq: 4 Aug 2018 4:14

Tgt Ion: 65 Resp: 481048

Ion Ratio Lower Upper

65 100

67 52.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

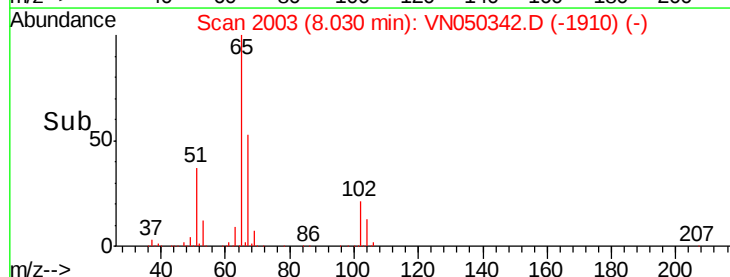
150000

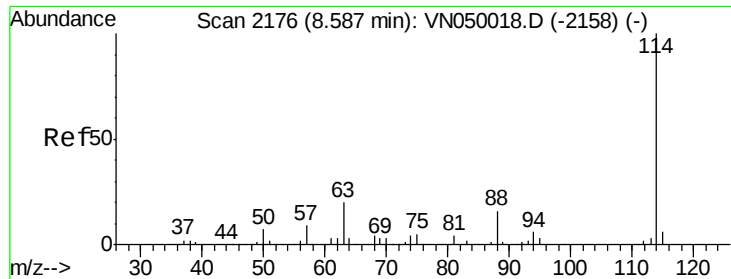
100000

50000

0

Time-->

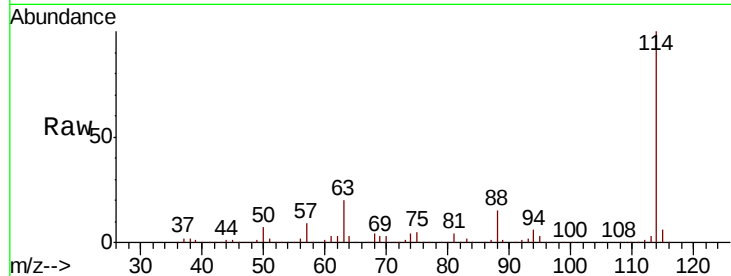




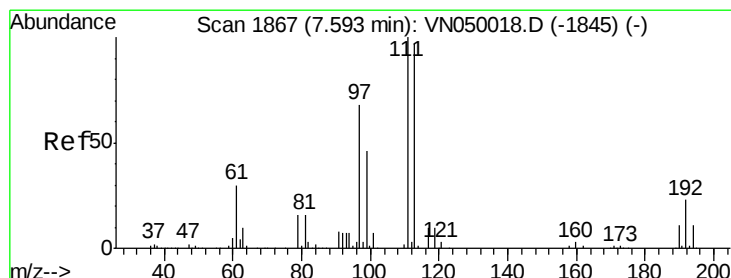
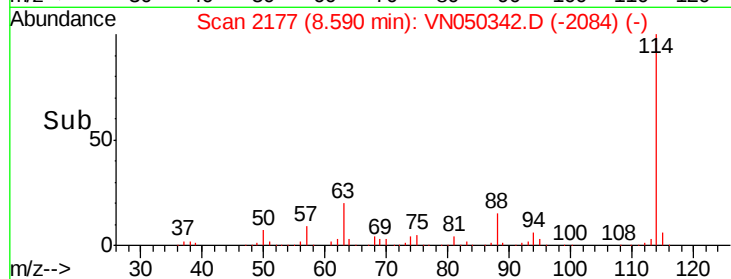
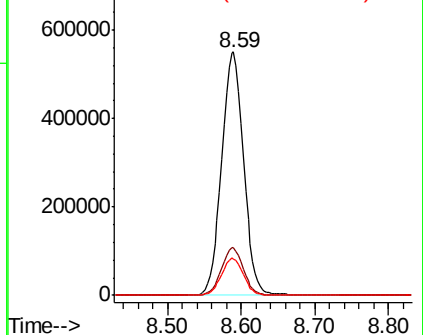
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050342.D
 Acq: 4 Aug 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 C-5

Tot Ion:114 Resp: 1142853
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.0 0.0 31.2

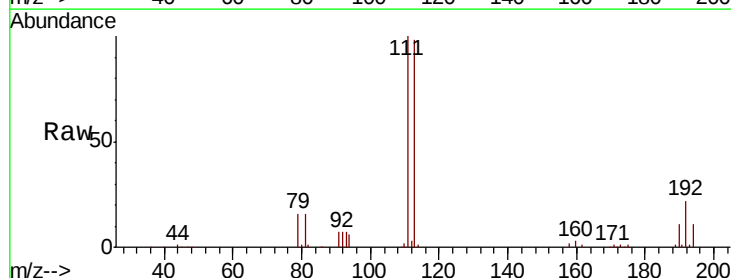


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

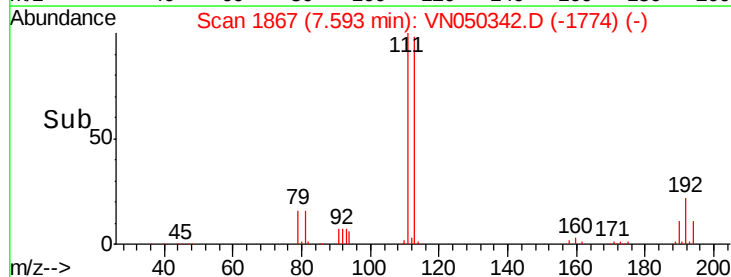
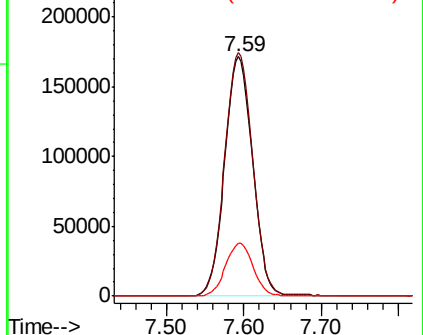


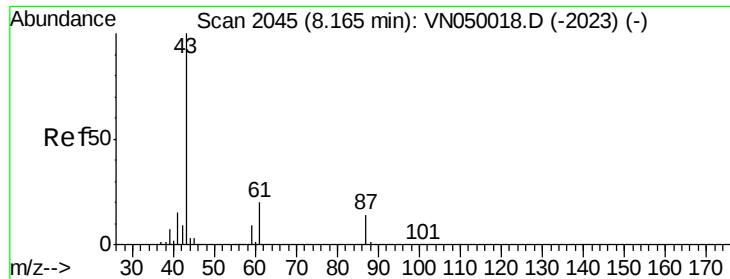
#35
 Dibromofluoromethane
 Concen: 46.10 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050342.D
 Acq: 4 Aug 2018 4:14

Tgt Ion:113 Resp: 430186
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.7 121.1
 192 21.8 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





#43

Isopropyl Acetate

Concen: 17.03 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

C-5

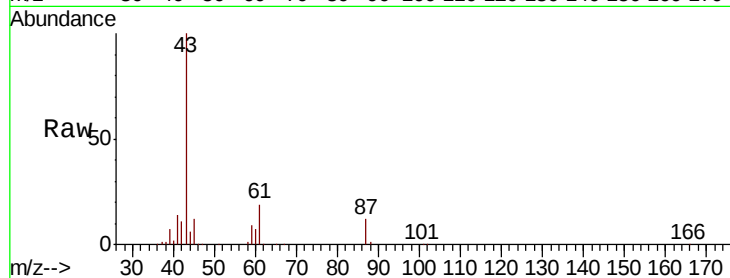
Tot Ion: 43 Resp: 300748

Ion Ratio Lower Upper

43 100

61 16.6 15.8 23.6

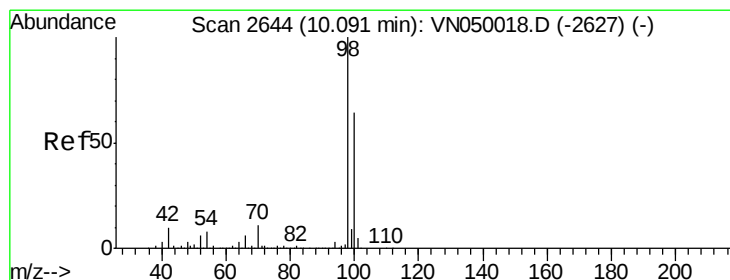
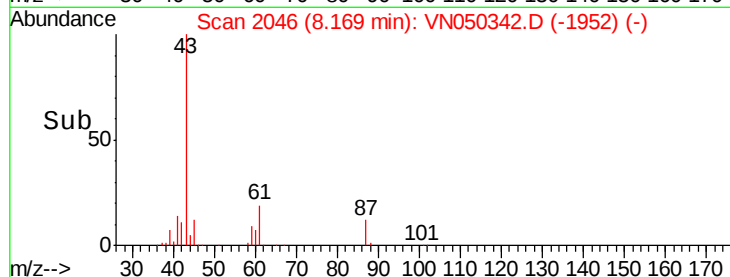
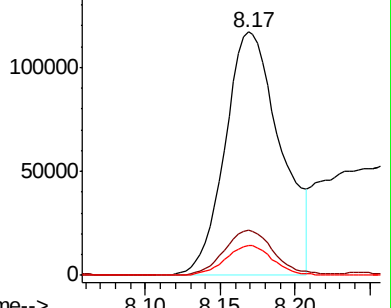
87 10.4 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)



#50

Toluene-d8

Concen: 45.53 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050342.D

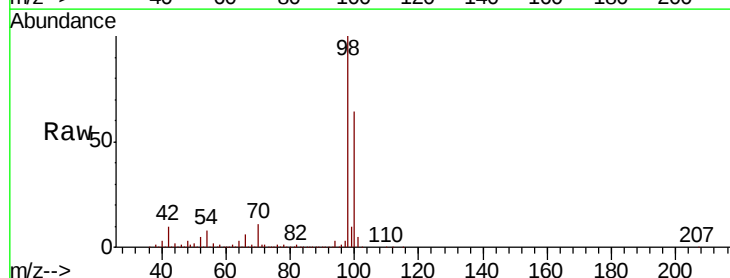
Acq: 4 Aug 2018 4:14

Tgt Ion: 98 Resp: 1561908

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)

Ion 207.00 (206.70 to 207.70): VN050018.D (-2627) (-)

Ion 229.00 (228.70 to 229.70): VN050018.D (-2627) (-)

Ion 251.00 (250.70 to 251.70): VN050018.D (-2627) (-)

Ion 273.00 (272.70 to 273.70): VN050018.D (-2627) (-)

Ion 295.00 (294.70 to 295.70): VN050018.D (-2627) (-)

Ion 317.00 (316.70 to 317.70): VN050018.D (-2627) (-)

Ion 339.00 (338.70 to 339.70): VN050018.D (-2627) (-)

Ion 361.00 (360.70 to 361.70): VN050018.D (-2627) (-)

Ion 383.00 (382.70 to 383.70): VN050018.D (-2627) (-)

Ion 405.00 (404.70 to 405.70): VN050018.D (-2627) (-)

Ion 427.00 (426.70 to 427.70): VN050018.D (-2627) (-)

Ion 449.00 (448.70 to 449.70): VN050018.D (-2627) (-)

Ion 471.00 (470.70 to 471.70): VN050018.D (-2627) (-)

Ion 493.00 (492.70 to 493.70): VN050018.D (-2627) (-)

Ion 515.00 (514.70 to 515.70): VN050018.D (-2627) (-)

Ion 537.00 (536.70 to 537.70): VN050018.D (-2627) (-)

Ion 559.00 (558.70 to 559.70): VN050018.D (-2627) (-)

Ion 581.00 (580.70 to 581.70): VN050018.D (-2627) (-)

Ion 603.00 (602.70 to 603.70): VN050018.D (-2627) (-)

Ion 625.00 (624.70 to 625.70): VN050018.D (-2627) (-)

Ion 647.00 (646.70 to 647.70): VN050018.D (-2627) (-)

Ion 669.00 (668.70 to 669.70): VN050018.D (-2627) (-)

Ion 691.00 (690.70 to 691.70): VN050018.D (-2627) (-)

Ion 713.00 (712.70 to 713.70): VN050018.D (-2627) (-)

Ion 735.00 (734.70 to 735.70): VN050018.D (-2627) (-)

Ion 757.00 (756.70 to 757.70): VN050018.D (-2627) (-)

Ion 779.00 (778.70 to 779.70): VN050018.D (-2627) (-)

Ion 801.00 (800.70 to 801.70): VN050018.D (-2627) (-)

Ion 823.00 (822.70 to 823.70): VN050018.D (-2627) (-)

Ion 845.00 (844.70 to 845.70): VN050018.D (-2627) (-)

Ion 867.00 (866.70 to 867.70): VN050018.D (-2627) (-)

Ion 889.00 (888.70 to 889.70): VN050018.D (-2627) (-)

Ion 911.00 (910.70 to 911.70): VN050018.D (-2627) (-)

Ion 933.00 (932.70 to 933.70): VN050018.D (-2627) (-)

Ion 955.00 (954.70 to 955.70): VN050018.D (-2627) (-)

Ion 977.00 (976.70 to 977.70): VN050018.D (-2627) (-)

Ion 999.00 (998.70 to 999.70): VN050018.D (-2627) (-)

Ion 1021.00 (1020.70 to 1021.70): VN050018.D (-2627) (-)

Ion 1043.00 (1042.70 to 1043.70): VN050018.D (-2627) (-)

Ion 1065.00 (1064.70 to 1065.70): VN050018.D (-2627) (-)

Ion 1087.00 (1086.70 to 1087.70): VN050018.D (-2627) (-)

Ion 1109.00 (1108.70 to 1109.70): VN050018.D (-2627) (-)

Ion 1131.00 (1130.70 to 1131.70): VN050018.D (-2627) (-)

Ion 1153.00 (1152.70 to 1153.70): VN050018.D (-2627) (-)

Ion 1175.00 (1174.70 to 1175.70): VN050018.D (-2627) (-)

Ion 1197.00 (1196.70 to 1197.70): VN050018.D (-2627) (-)

Ion 1219.00 (1218.70 to 1219.70): VN050018.D (-2627) (-)

Ion 1241.00 (1240.70 to 1241.70): VN050018.D (-2627) (-)

Ion 1263.00 (1262.70 to 1263.70): VN050018.D (-2627) (-)

Ion 1285.00 (1284.70 to 1285.70): VN050018.D (-2627) (-)

Ion 1307.00 (1306.70 to 1307.70): VN050018.D (-2627) (-)

Ion 1329.00 (1328.70 to 1329.70): VN050018.D (-2627) (-)

Ion 1351.00 (1350.70 to 1351.70): VN050018.D (-2627) (-)

Ion 1373.00 (1372.70 to 1373.70): VN050018.D (-2627) (-)

Ion 1395.00 (1394.70 to 1395.70): VN050018.D (-2627) (-)

Ion 1417.00 (1416.70 to 1417.70): VN050018.D (-2627) (-)

Ion 1439.00 (1438.70 to 1439.70): VN050018.D (-2627) (-)

Ion 1461.00 (1460.70 to 1461.70): VN050018.D (-2627) (-)

Ion 1483.00 (1482.70 to 1483.70): VN050018.D (-2627) (-)

Ion 1505.00 (1504.70 to 1505.70): VN050018.D (-2627) (-)

Ion 1527.00 (1526.70 to 1527.70): VN050018.D (-2627) (-)

Ion 1549.00 (1548.70 to 1549.70): VN050018.D (-2627) (-)

Ion 1571.00 (1570.70 to 1571.70): VN050018.D (-2627) (-)

Ion 1593.00 (1592.70 to 1593.70): VN050018.D (-2627) (-)

Ion 1615.00 (1614.70 to 1615.70): VN050018.D (-2627) (-)

Ion 1637.00 (1636.70 to 1637.70): VN050018.D (-2627) (-)

Ion 1659.00 (1658.70 to 1659.70): VN050018.D (-2627) (-)

Ion 1681.00 (1680.70 to 1681.70): VN050018.D (-2627) (-)

Ion 1703.00 (1702.70 to 1703.70): VN050018.D (-2627) (-)

Ion 1725.00 (1724.70 to 1725.70): VN050018.D (-2627) (-)

Ion 1747.00 (1746.70 to 1747.70): VN050018.D (-2627) (-)

Ion 1769.00 (1768.70 to 1769.70): VN050018.D (-2627) (-)

Ion 1791.00 (1790.70 to 1791.70): VN050018.D (-2627) (-)

Ion 1813.00 (1812.70 to 1813.70): VN050018.D (-2627) (-)

Ion 1835.00 (1834.70 to 1835.70): VN050018.D (-2627) (-)

Ion 1857.00 (1856.70 to 1857.70): VN050018.D (-2627) (-)

Ion 1879.00 (1878.70 to 1879.70): VN050018.D (-2627) (-)

Ion 1901.00 (1900.70 to 1901.70): VN050018.D (-2627) (-)

Ion 1923.00 (1922.70 to 1923.70): VN050018.D (-2627) (-)

Ion 1945.00 (1944.70 to 1945.70): VN050018.D (-2627) (-)

Ion 1967.00 (1966.70 to 1967.70): VN050018.D (-2627) (-)

Ion 1989.00 (1988.70 to 1989.70): VN050018.D (-2627) (-)

Ion 2011.00 (2010.70 to 2011.70): VN050018.D (-2627) (-)

Ion 2033.00 (2032.70 to 2033.70): VN050018.D (-2627) (-)

Ion 2055.00 (2054.70 to 2055.70): VN050018.D (-2627) (-)

Ion 2077.00 (2076.70 to 2077.70): VN050018.D (-2627) (-)

Ion 2099.00 (2098.70 to 2099.70): VN050018.D (-2627) (-)

Ion 2121.00 (2120.70 to 2121.70): VN050018.D (-2627) (-)

Ion 2143.00 (2142.70 to 2143.70): VN050018.D (-2627) (-)

Ion 2165.00 (2164.70 to 2165.70): VN050018.D (-2627) (-)

Ion 2187.00 (2186.70 to 2187.70): VN050018.D (-2627) (-)

Ion 2209.00 (2208.70 to 2209.70): VN050018.D (-2627) (-)

Ion 2231.00 (2230.70 to 2231.70): VN050018.D (-2627) (-)

Ion 2253.00 (2252.70 to 2253.70): VN050018.D (-2627) (-)

Ion 2275.00 (2274.70 to 2275.70): VN050018.D (-2627) (-)

Ion 2297.00 (2296.70 to 2297.70): VN050018.D (-2627) (-)

Ion 2319.00 (2318.70 to 2319.70): VN050018.D (-2627) (-)

Ion 2341.00 (2340.70 to 2341.70): VN050018.D (-2627) (-)

Ion 2363.00 (2362.70 to 2363.70): VN050018.D (-2627) (-)

Ion 2385.00 (2384.70 to 2385.70): VN050018.D (-2627) (-)

Ion 2407.00 (2406.70 to 2407.70): VN050018.D (-2627) (-)

Ion 2429.00 (2428.70 to 2429.70): VN050018.D (-2627) (-)

Ion 2451.00 (2450.70 to 2451.70): VN050018.D (-2627) (-)

Ion 2473.00 (2472.70 to 2473.70): VN050018.D (-2627) (-)

Ion 2495.00 (2494.70 to 2495.70): VN050018.D (-2627) (-)

Ion 2517.00 (2516.70 to 2517.70): VN050018.D (-2627) (-)

Ion 2539.00 (2538.70 to 2539.70): VN050018.D (-2627) (-)

Ion 2561.00 (2560.70 to 2561.70): VN050018.D (-2627) (-)

Ion 2583.00 (2582.70 to 2583.70): VN050018.D (-2627) (-)

Ion 2605.00 (2604.70 to 2605.70): VN050018.D (-2627) (-)

Ion 2627.00 (2626.70 to 2627.70): VN050018.D (-2627) (-)

Ion 2649.00 (2648.70 to 2649.70): VN050018.D (-2627) (-)

Ion 2671.00 (2670.70 to 2671.70): VN050018.D (-2627) (-)

Ion 2693.00 (2692.70 to 2693.70): VN050018.D (-2627) (-)

Ion 2715.00 (2714.70 to 2715.70): VN050018.D (-2627) (-)

Ion 2737.00 (2736.70 to 2737.70): VN050018.D (-2627) (-)

Ion 2759.00 (2758.70 to 2759.70): VN050018.D (-2627) (-)

Ion 2781.00 (2780.70 to 2781.70): VN050018.D (-2627) (-)

Ion 2803.00 (2802.70 to 2803.70): VN050018.D (-2627) (-)

Ion 2825.00 (2824.70 to 2825.70): VN050018.D (-2627) (-)

Ion 2847.00 (2846.70 to 2847.70): VN050018.D (-2627) (-)

Ion 2869.00 (2868.70 to 2869.70): VN050018.D (-2627) (-)

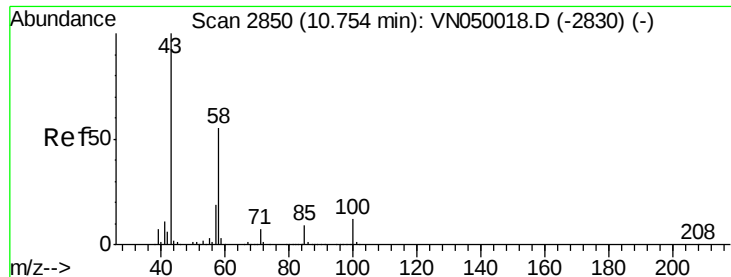
Ion 2891.00 (2890.70 to 2891.70): VN050018.D (-2627) (-)

Ion 2913.00 (2912.70 to 2913.70): VN050018.D (-2627) (-)

Ion 2935.00 (2934.70 to 2935.70): VN050018.D (-2627) (-)

Ion 2957.00 (2956.70 to 2957.70): VN050018.D (-2627) (-)

Ion 2979.00 (2978.70 to 2979.70): VN050018.D (-2627) (-)



#59

2-Hexanone

Concen: 7.76 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

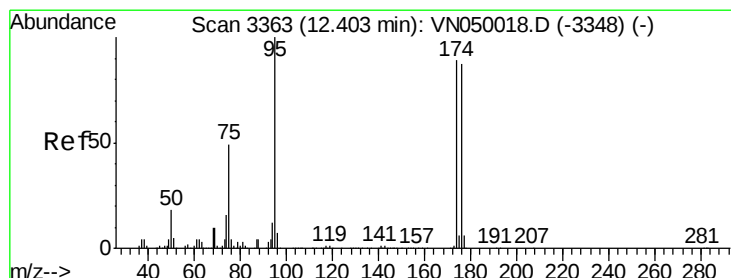
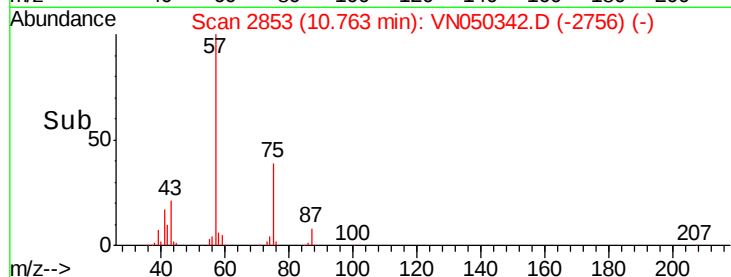
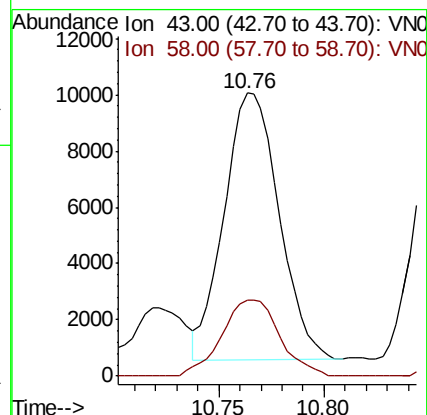
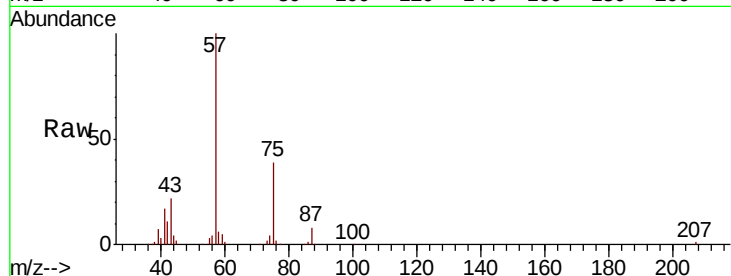
C-5

Tot Ion: 43 Resp: 17135

Ion Ratio Lower Upper

43 100

58 30.4 27.6 82.7



#62

4-Bromofluorobenzene

Concen: 39.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050342.D

Acq: 4 Aug 2018 4:14

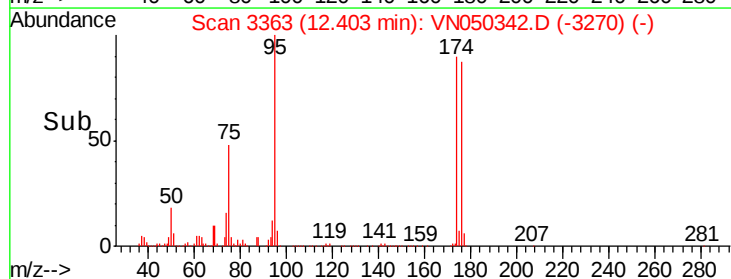
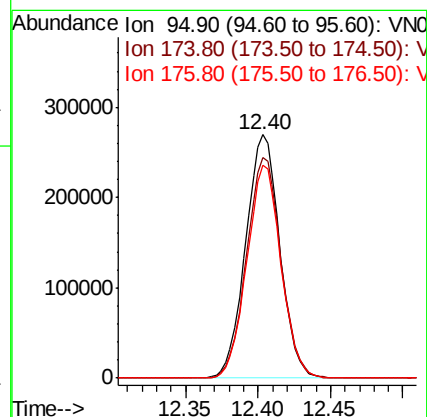
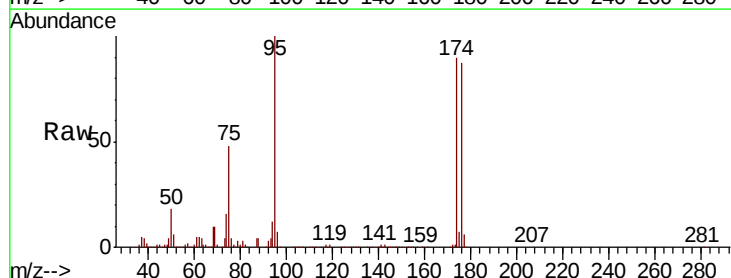
Tgt Ion: 95 Resp: 441946

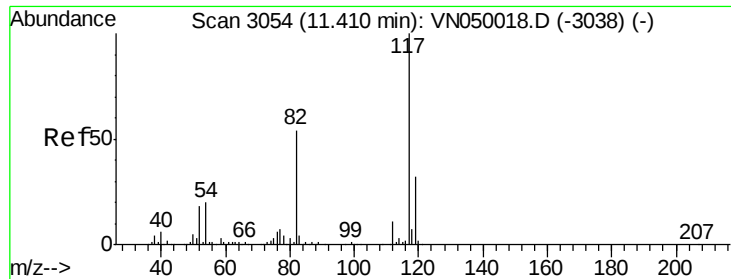
Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

176 87.4 0.0 173.4

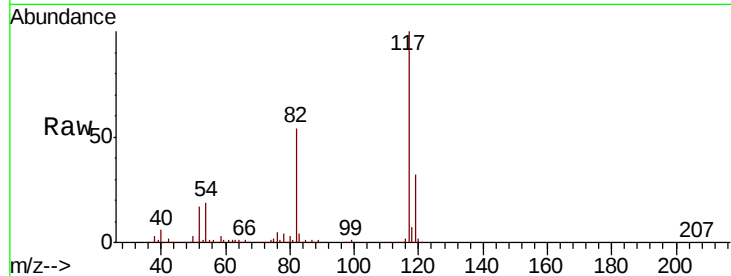




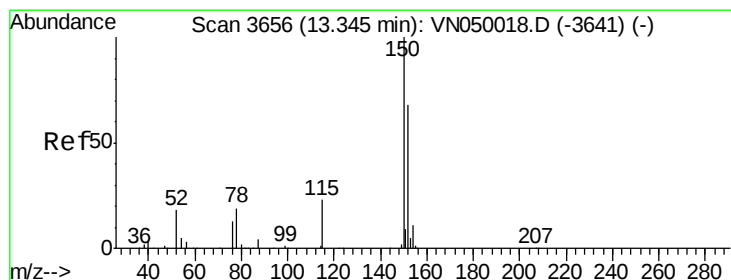
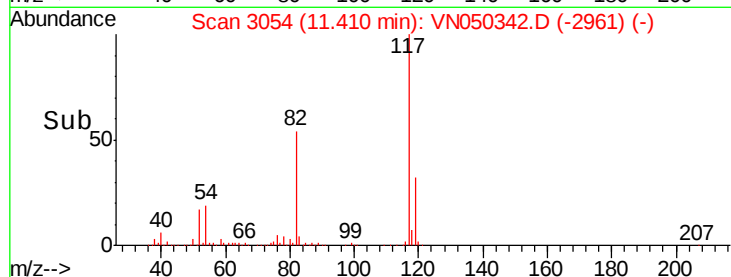
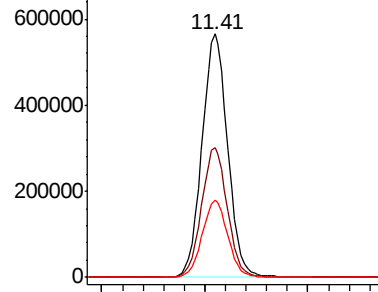
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
C-5

Tot Ion:117 Resp: 977176
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 31.6 26.1 39.1

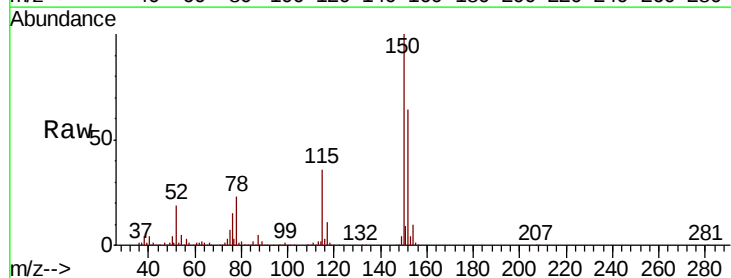


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

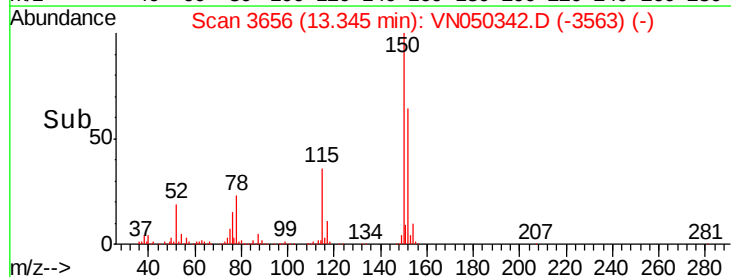
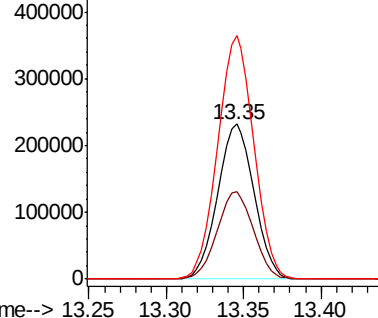


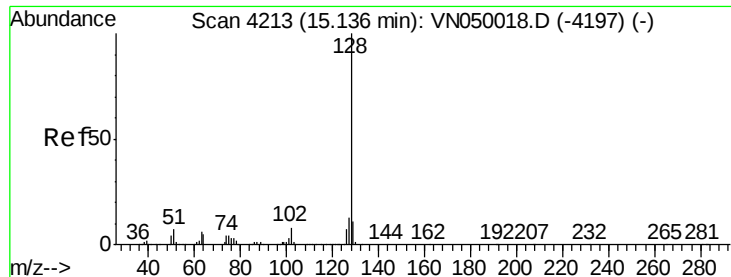
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Tgt Ion:152 Resp: 380931
Ion Ratio Lower Upper
152 100
115 56.2 27.8 83.3
150 156.1 0.0 348.6



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

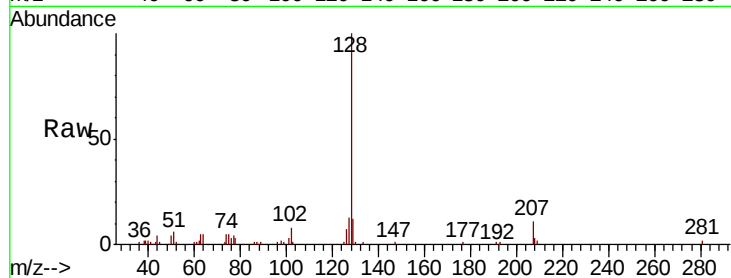




#95
Naphthalene
Concen: 7.74 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050342.D
Acq: 4 Aug 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
C-5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.9	8.8	13.2



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

