

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050288.D
 Acq On : 3 Aug 2018 2:08
 Operator : MD\SY
 Sample : J4285-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KG-PIT-5

Quant Time: Aug 03 04:44:41 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	645422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1073998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	902736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	331117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	454948	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.59	113	407221	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
50) Toluene-d8	10.09	98	1452892	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
62) 4-Bromofluorobenzene	12.40	95	391083	36.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.68%	

Target Compounds

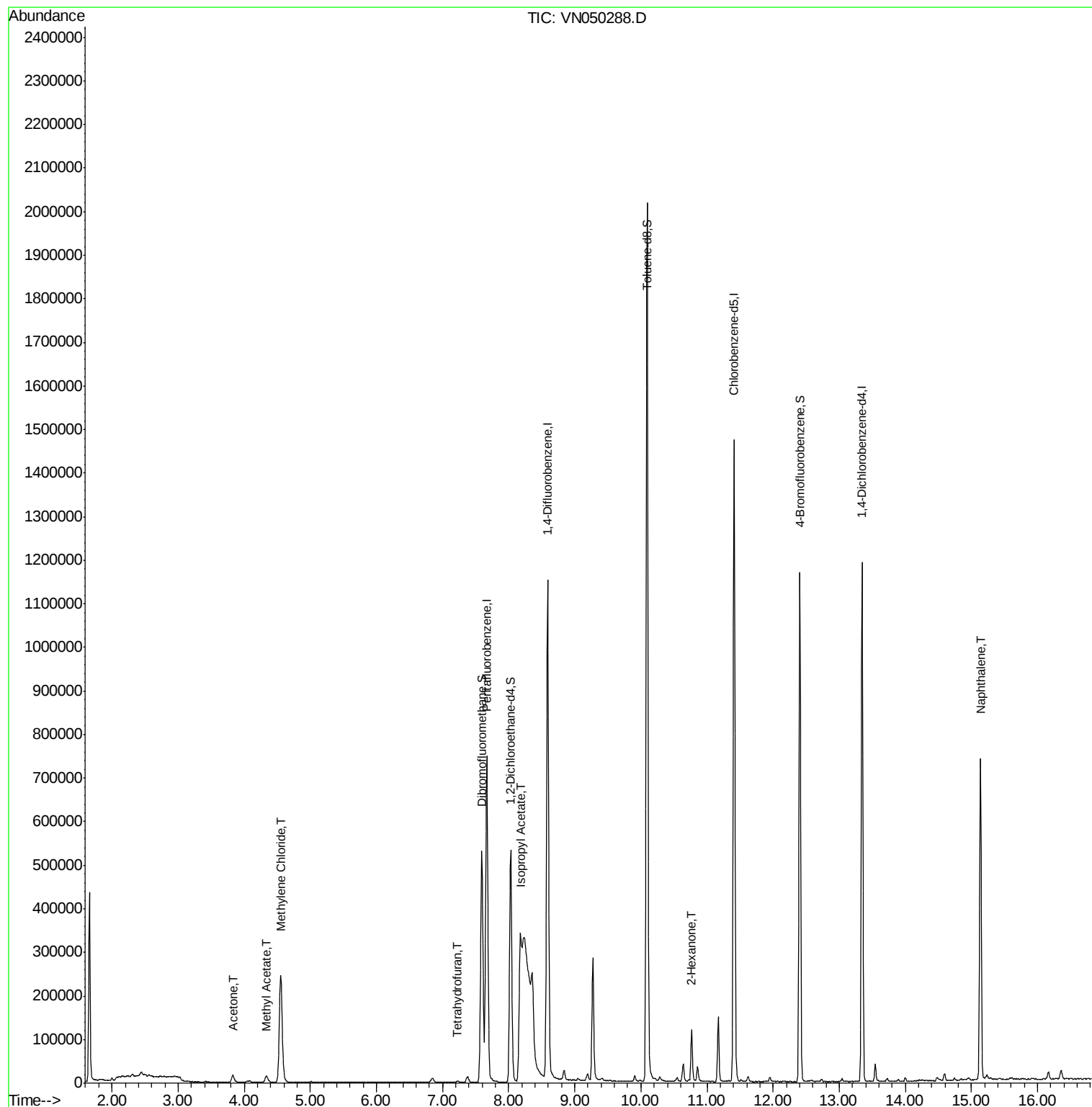
					Qvalue	
16) Acetone	3.83	43	28234	9.127	ug/l	98
18) Methyl Acetate	4.33	43	29466	2.007	ug/l #	70
20) Methylene Chloride	4.55	84	195413	23.818	ug/l	99
29) Tetrahydrofuran	7.22	42	2289	1.031	ug/l #	81
43) Isopropyl Acetate	8.17	43	408275	25.114	ug/l #	87
59) 2-Hexanone	10.77	43	18136	8.089	ug/l #	62
95) Naphthalene	15.14	128	645323	43.322	ug/l	99

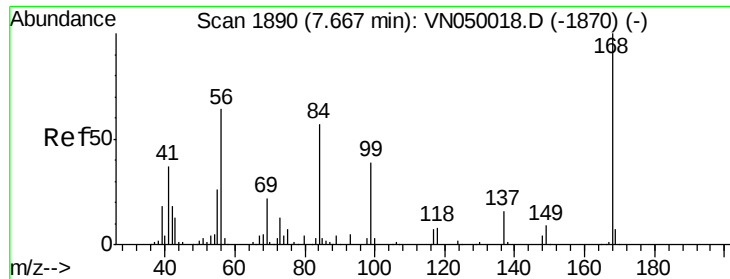
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050288.D

Acq: 3 Aug 2018 2:08

Instrument :

MSVOA_N

ClientSampleId :

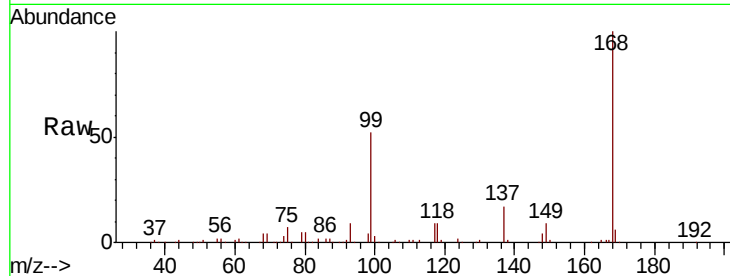
KG-PIT-5

Tot Ion:168 Resp: 645422

Ion Ratio Lower Upper

168 100

99 51.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

300000

250000

200000

150000

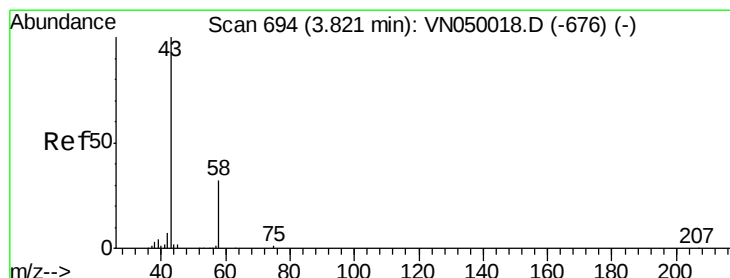
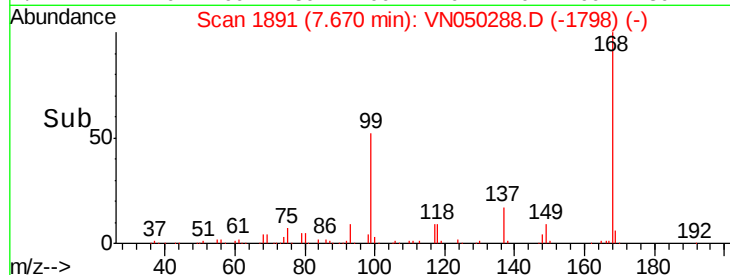
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 9.127 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050288.D

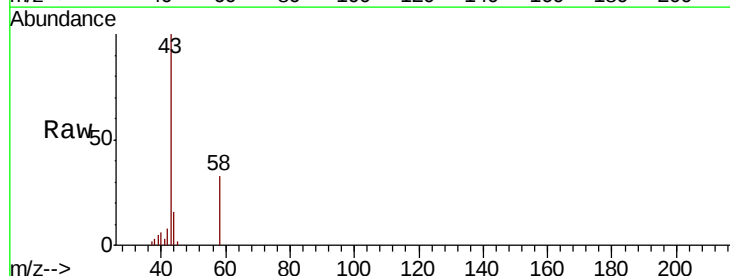
Acq: 3 Aug 2018 2:08

Tgt Ion: 43 Resp: 28234

Ion Ratio Lower Upper

43 100

58 33.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)

3.83

12000

10000

8000

6000

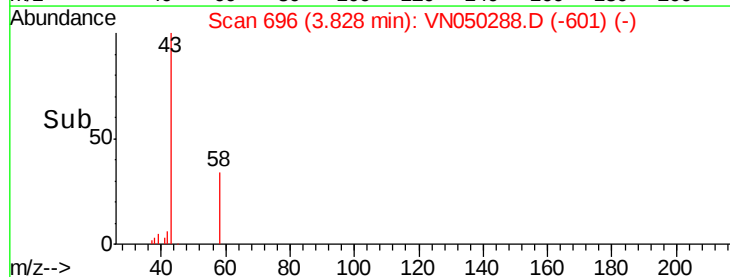
4000

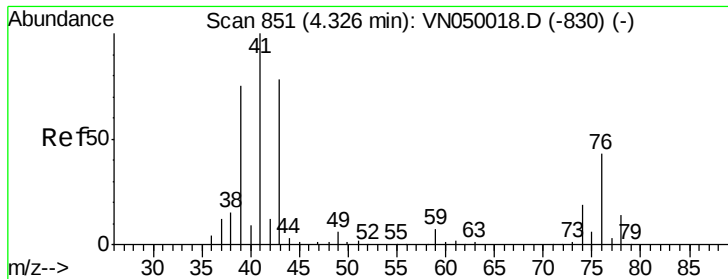
2000

0

3.70 3.80 3.90

Time-->

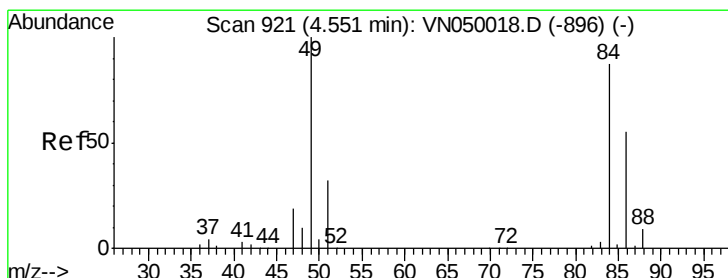
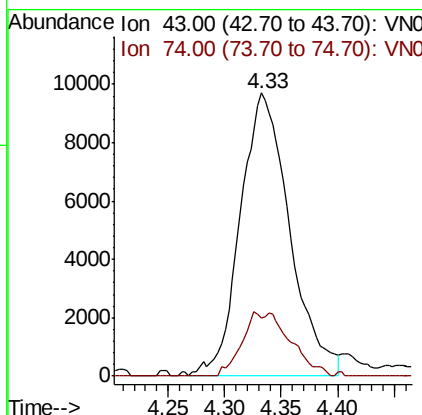
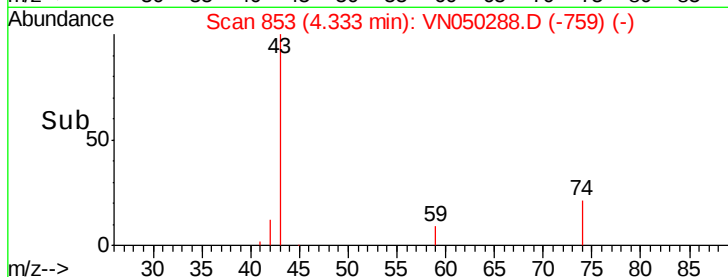
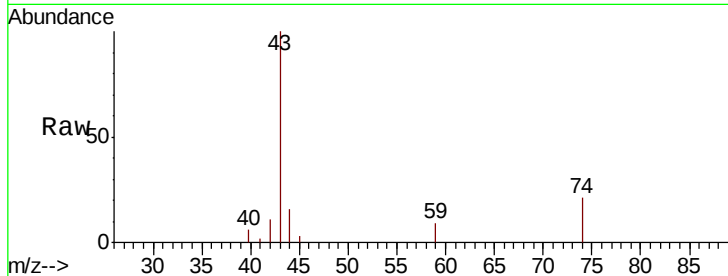




#18
Methyl Acetate
Concen: 2.007 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050288.D
Acq: 3 Aug 2018 2:08

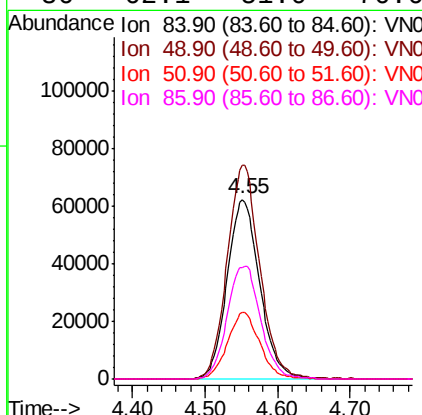
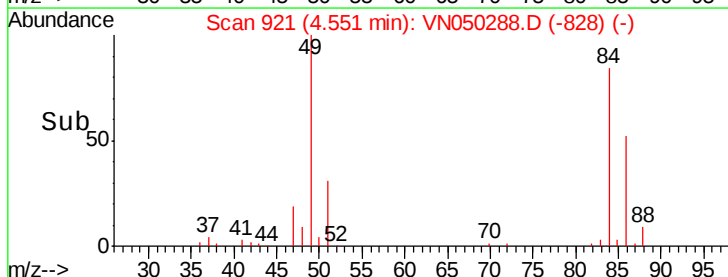
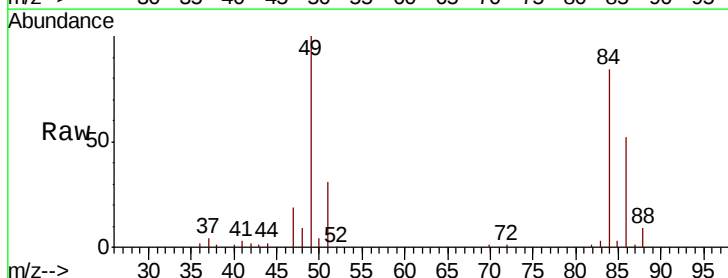
Instrument :
MSVOA_N
ClientSampled :
KG-PIT-5

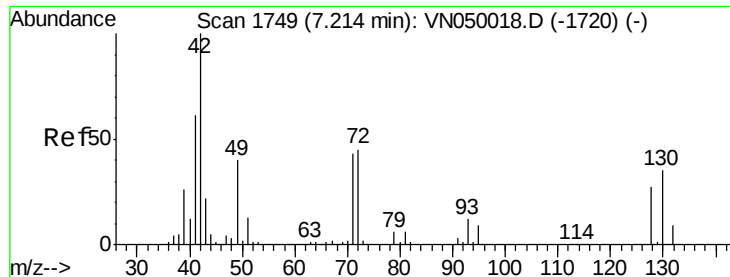
Tot Ion: 43 Resp: 29466
Ion Ratio Lower Upper
43 100
74 9.4 19.2 28.8#



#20
Methylene Chloride
Concen: 23.818 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050288.D
Acq: 3 Aug 2018 2:08

Tgt Ion: 84 Resp: 195413
Ion Ratio Lower Upper
84 100
49 119.0 94.8 142.2
51 37.1 28.3 42.5
86 62.1 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.031 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VN050288.D

Acq: 3 Aug 2018 2:08

Instrument :

MSVOA_N

ClientSampled :

KG-PIT-5

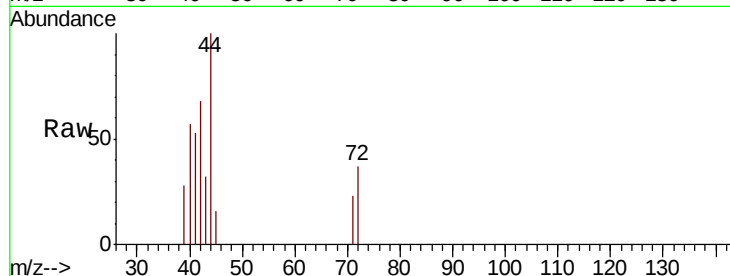
Tot Ion: 42 Resp: 2289

Ion Ratio Lower Upper

42 100

72 36.3 35.9 53.9

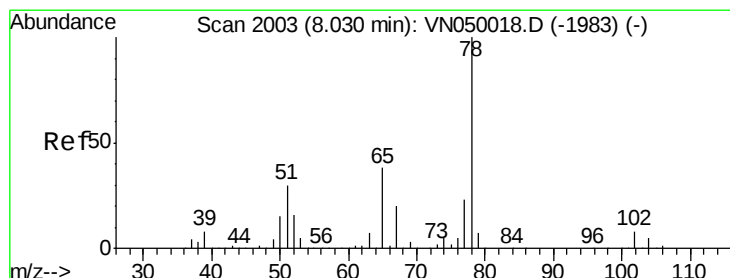
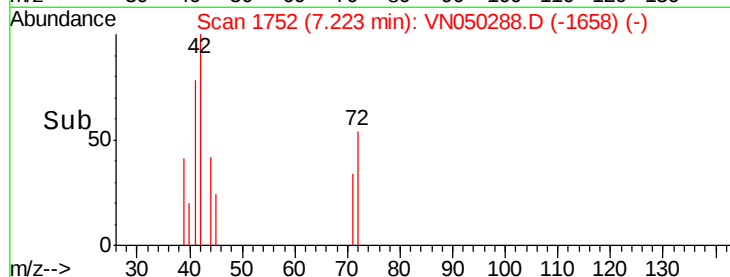
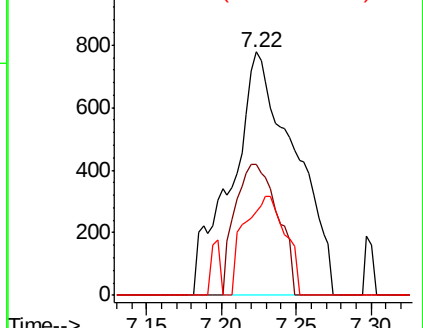
71 26.3 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.521 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050288.D

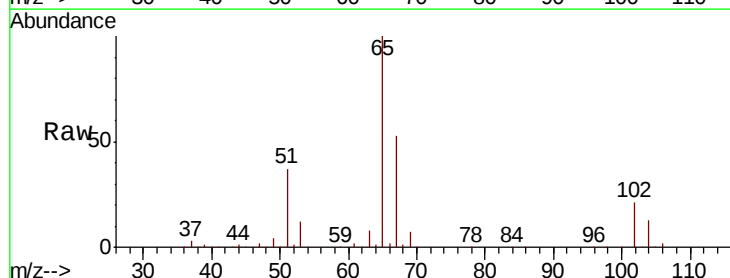
Acq: 3 Aug 2018 2:08

Tgt Ion: 65 Resp: 454948

Ion Ratio Lower Upper

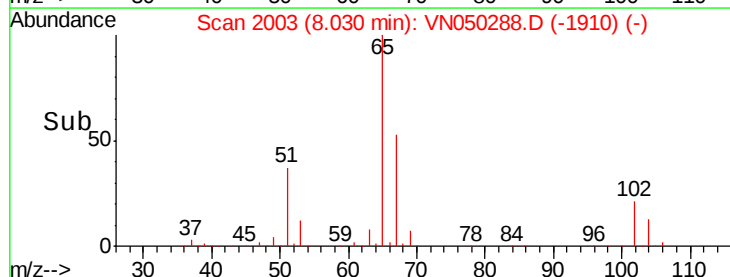
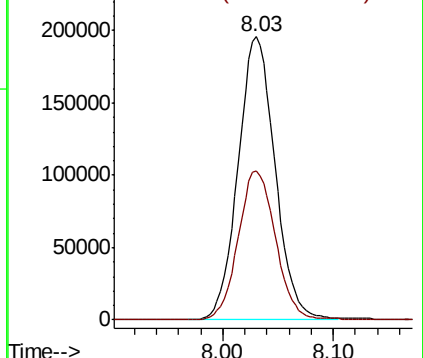
65 100

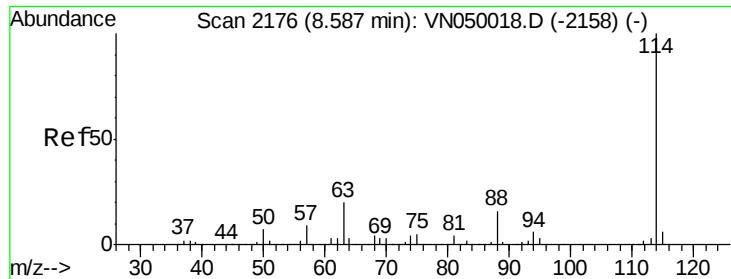
67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

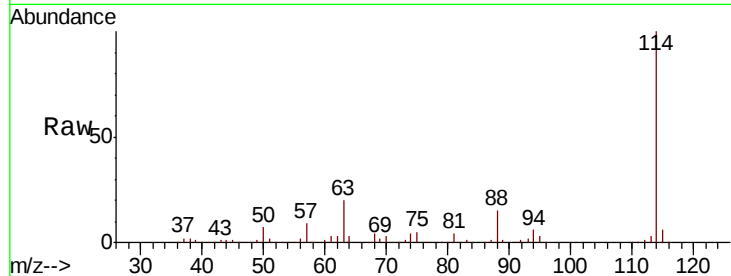




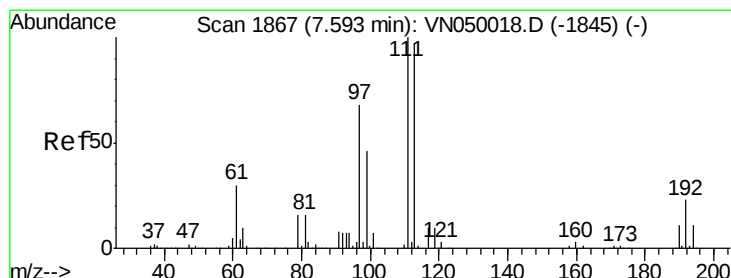
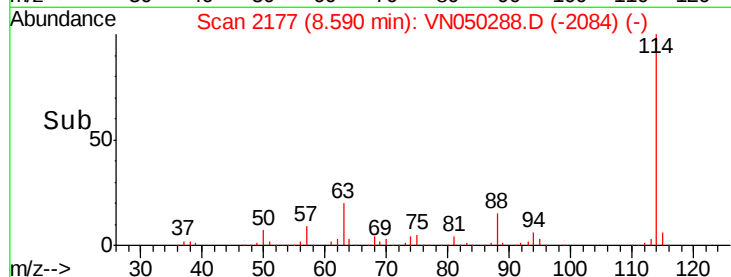
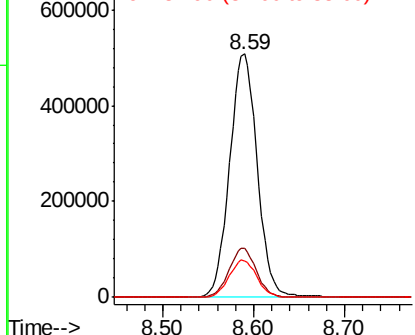
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050288.D
 Acq: 3 Aug 2018 2:08

Instrument :
 MSVOA_N
 ClientSampleId :
 KG-PIT-5

Tot Ion:114 Resp: 1073998
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.1 0.0 31.2

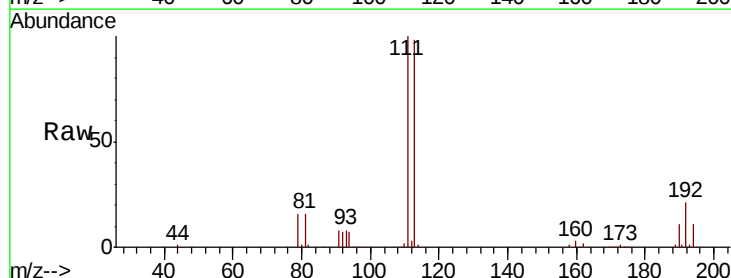


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

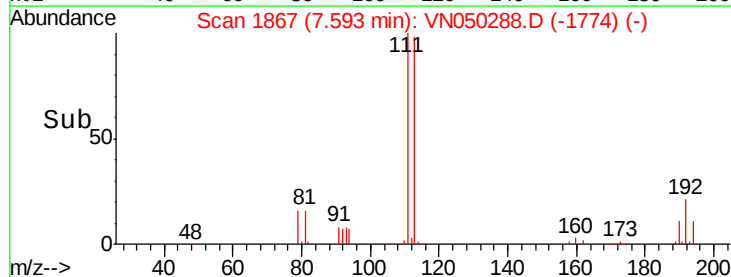
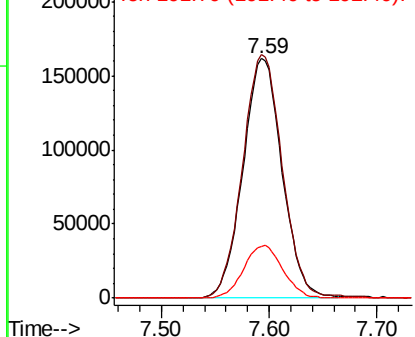


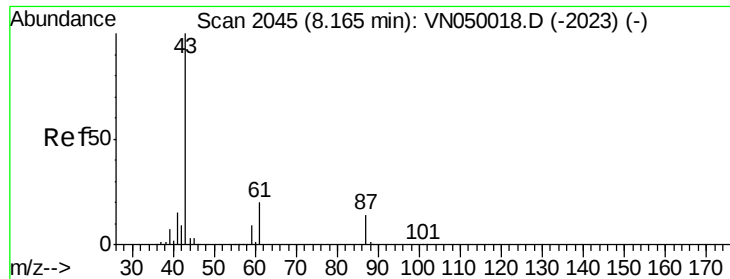
#35
 Dibromofluoromethane
 Concen: 46.439 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050288.D
 Acq: 3 Aug 2018 2:08

Tgt Ion:113 Resp: 407221
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.7 121.1
 192 22.1 17.8 26.6



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





#43

Isopropyl Acetate

Concen: 25.114 ug/l

RT: 8.17 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VN050288.D

Acq: 3 Aug 2018 2:08

Instrument :

MSVOA_N

ClientSampleId :

KG-PIT-5

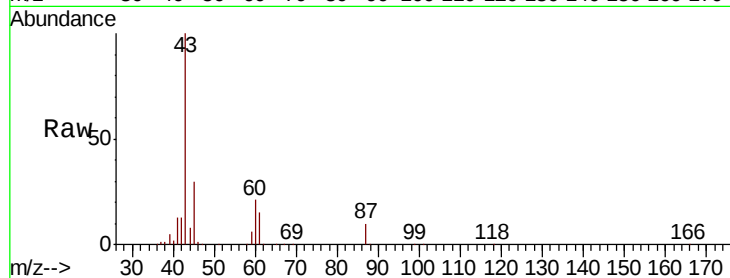
Tot Ion: 43 Resp: 408275

Ion Ratio Lower Upper

43 100

61 13.7 15.8 23.6#

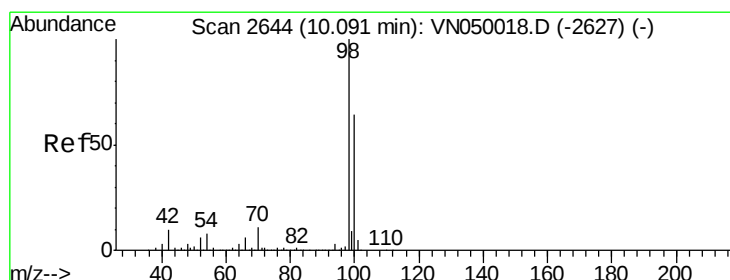
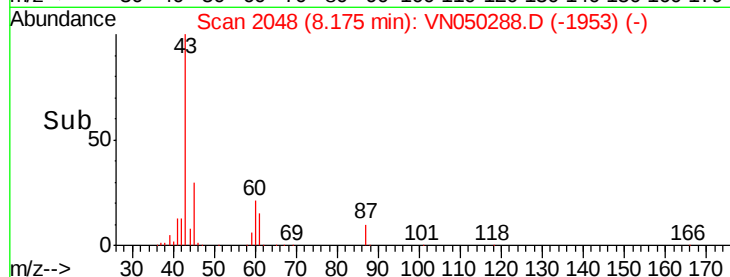
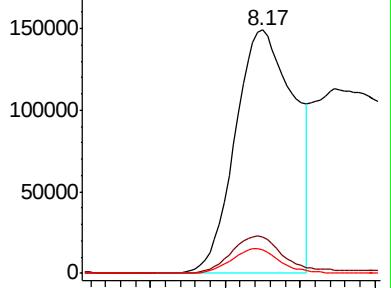
87 8.3 10.3 15.5#



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: 45.067 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050288.D

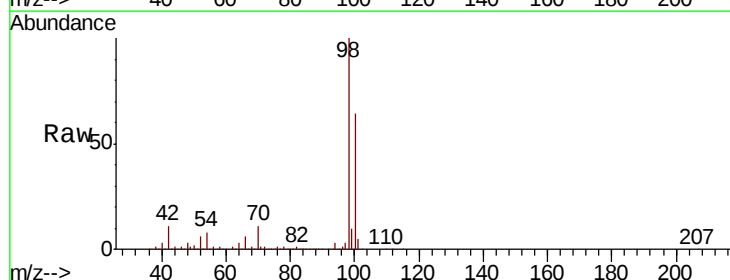
Acq: 3 Aug 2018 2:08

Tgt Ion: 98 Resp: 1452892

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 255.00 (254.70 to 255.70): VN050018.D (-2627) (-)

Ion 281.00 (280.70 to 281.70): VN050018.D (-2627) (-)

Ion 307.00 (306.70 to 307.70): VN050018.D (-2627) (-)

Ion 333.00 (332.70 to 333.70): VN050018.D (-2627) (-)

Ion 359.00 (358.70 to 359.70): VN050018.D (-2627) (-)

Ion 385.00 (384.70 to 385.70): VN050018.D (-2627) (-)

Ion 411.00 (410.70 to 411.70): VN050018.D (-2627) (-)

Ion 437.00 (436.70 to 437.70): VN050018.D (-2627) (-)

Ion 463.00 (462.70 to 463.70): VN050018.D (-2627) (-)

Ion 489.00 (488.70 to 489.70): VN050018.D (-2627) (-)

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

Ion 541.00 (540.70 to 541.70): VN050018.D (-2627) (-)

Ion 567.00 (566.70 to 567.70): VN050018.D (-2627) (-)

Ion 593.00 (592.70 to 593.70): VN050018.D (-2627) (-)

Ion 619.00 (618.70 to 619.70): VN050018.D (-2627) (-)

Ion 645.00 (644.70 to 645.70): VN050018.D (-2627) (-)

Ion 671.00 (670.70 to 671.70): VN050018.D (-2627) (-)

Ion 697.00 (696.70 to 697.70): VN050018.D (-2627) (-)

Ion 723.00 (722.70 to 723.70): VN050018.D (-2627) (-)

Ion 749.00 (748.70 to 749.70): VN050018.D (-2627) (-)

Ion 775.00 (774.70 to 775.70): VN050018.D (-2627) (-)

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

Ion 827.00 (826.70 to 827.70): VN050018.D (-2627) (-)

Ion 853.00 (852.70 to 853.70): VN050018.D (-2627) (-)

Ion 879.00 (878.70 to 879.70): VN050018.D (-2627) (-)

Ion 905.00 (904.70 to 905.70): VN050018.D (-2627) (-)

Ion 931.00 (930.70 to 931.70): VN050018.D (-2627) (-)

Ion 957.00 (956.70 to 957.70): VN050018.D (-2627) (-)

Ion 983.00 (982.70 to 983.70): VN050018.D (-2627) (-)

Ion 1009.00 (1008.70 to 1009.70): VN050018.D (-2627) (-)

Ion 1035.00 (1034.70 to 1035.70): VN050018.D (-2627) (-)

Ion 1061.00 (1060.70 to 1061.70): VN050018.D (-2627) (-)

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

Ion 1113.00 (1112.70 to 1113.70): VN050018.D (-2627) (-)

Ion 1139.00 (1138.70 to 1139.70): VN050018.D (-2627) (-)

Ion 1165.00 (1164.70 to 1165.70): VN050018.D (-2627) (-)

Ion 1191.00 (1190.70 to 1191.70): VN050018.D (-2627) (-)

Ion 1217.00 (1216.70 to 1217.70): VN050018.D (-2627) (-)

Ion 1243.00 (1242.70 to 1243.70): VN050018.D (-2627) (-)

Ion 1269.00 (1268.70 to 1269.70): VN050018.D (-2627) (-)

Ion 1295.00 (1294.70 to 1295.70): VN050018.D (-2627) (-)

Ion 1321.00 (1320.70 to 1321.70): VN050018.D (-2627) (-)

Ion 1347.00 (1346.70 to 1347.70): VN050018.D (-2627) (-)

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

Ion 1399.00 (1398.70 to 1399.70): VN050018.D (-2627) (-)

Ion 1425.00 (1424.70 to 1425.70): VN050018.D (-2627) (-)

Ion 1451.00 (1450.70 to 1451.70): VN050018.D (-2627) (-)

Ion 1477.00 (1476.70 to 1477.70): VN050018.D (-2627) (-)

Ion 1503.00 (1502.70 to 1503.70): VN050018.D (-2627) (-)

Ion 1529.00 (1528.70 to 1529.70): VN050018.D (-2627) (-)

Ion 1555.00 (1554.70 to 1555.70): VN050018.D (-2627) (-)

Ion 1581.00 (1580.70 to 1581.70): VN050018.D (-2627) (-)

Ion 1607.00 (1606.70 to 1607.70): VN050018.D (-2627) (-)

Ion 1633.00 (1632.70 to 1633.70): VN050018.D (-2627) (-)

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

Ion 1685.00 (1684.70 to 1685.70): VN050018.D (-2627) (-)

Ion 1711.00 (1710.70 to 1711.70): VN050018.D (-2627) (-)

Ion 1737.00 (1736.70 to 1737.70): VN050018.D (-2627) (-)

Ion 1763.00 (1762.70 to 1763.70): VN050018.D (-2627) (-)

Ion 1789.00 (1788.70 to 1789.70): VN050018.D (-2627) (-)

Ion 1815.00 (1814.70 to 1815.70): VN050018.D (-2627) (-)

Ion 1841.00 (1840.70 to 1841.70): VN050018.D (-2627) (-)

Ion 1867.00 (1866.70 to 1867.70): VN050018.D (-2627) (-)

Ion 1893.00 (1892.70 to 1893.70): VN050018.D (-2627) (-)

Ion 1919.00 (1918.70 to 1919.70): VN050018.D (-2627) (-)

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

Ion 1971.00 (1970.70 to 1971.70): VN050018.D (-2627) (-)

Ion 1997.00 (1996.70 to 1997.70): VN050018.D (-2627) (-)

Ion 2023.00 (2022.70 to 2023.70): VN050018.D (-2627) (-)

Ion 2049.00 (2048.70 to 2049.70): VN050018.D (-2627) (-)

Ion 2075.00 (2074.70 to 2075.70): VN050018.D (-2627) (-)

Ion 2101.00 (2100.70 to 2101.70): VN050018.D (-2627) (-)

Ion 2127.00 (2126.70 to 2127.70): VN050018.D (-2627) (-)

Ion 2153.00 (2152.70 to 2153.70): VN050018.D (-2627) (-)

Ion 2179.00 (2178.70 to 2179.70): VN050018.D (-2627) (-)

Ion 2205.00 (2204.70 to 2205.70): VN050018.D (-2627) (-)

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

Ion 2257.00 (2256.70 to 2257.70): VN050018.D (-2627) (-)

Ion 2283.00 (2282.70 to 2283.70): VN050018.D (-2627) (-)

Ion 2309.00 (2308.70 to 2309.70): VN050018.D (-2627) (-)

Ion 2335.00 (2334.70 to 2335.70): VN050018.D (-2627) (-)

Ion 2361.00 (2360.70 to 2361.70): VN050018.D (-2627) (-)

Ion 2387.00 (2386.70 to 2387.70): VN050018.D (-2627) (-)

Ion 2413.00 (2412.70 to 2413.70): VN050018.D (-2627) (-)

Ion 2439.00 (2438.70 to 2439.70): VN050018.D (-2627) (-)

Ion 2465.00 (2464.70 to 2465.70): VN050018.D (-2627) (-)

Ion 2491.00 (2490.70 to 2491.70): VN050018.D (-2627) (-)

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

Ion 2543.00 (2542.70 to 2543.70): VN050018.D (-2627) (-)

Ion 2569.00 (2568.70 to 2569.70): VN050018.D (-2627) (-)

Ion 2595.00 (2594.70 to 2595.70): VN050018.D (-2627) (-)

Ion 2621.00 (2620.70 to 2621.70): VN050018.D (-2627) (-)

Ion 2647.00 (2646.70 to 2647.70): VN050018.D (-2627) (-)

Ion 2673.00 (2672.70 to 2673.70): VN050018.D (-2627) (-)

Ion 2699.00 (2698.70 to 2699.70): VN050018.D (-2627) (-)

Ion 2725.00 (2724.70 to 2725.70): VN050018.D (-2627) (-)

Ion 2751.00 (2750.70 to 2751.70): VN050018.D (-2627) (-)

Ion 2777.00 (2776.70 to 2777.70): VN050018.D (-2627) (-)

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

Ion 2829.00 (2828.70 to 2829.70): VN050018.D (-2627) (-)

Ion 2855.00 (2854.70 to 2855.70): VN050018.D (-2627) (-)

Ion 2881.00 (2880.70 to 2881.70): VN050018.D (-2627) (-)

Ion 2907.00 (2906.70 to 2907.70): VN050018.D (-2627) (-)

Ion 2933.00 (2932.70 to 2933.70): VN050018.D (-2627) (-)

Ion 2959.00 (2958.70 to 2959.70): VN050018.D (-2627) (-)

Ion 2985.00 (2984.70 to 2985.70): VN050018.D (-2627) (-)

Ion 3011.00 (3010.70 to 3011.70): VN050018.D (-2627) (-)

Ion 3037.00 (3036.70 to 3037.70): VN050018.D (-2627) (-)

Ion 3063.00 (3062.70 to 3063.70): VN050018.D (-2627) (-)

Ion 3089.00 (3088.70 to 3089.70): VN050018.D (-2627) (-)

Ion 3115.00 (3114.70 to 3115.70): VN050018.D (-2627) (-)

Ion 3141.00 (3140.70 to 3141.70): VN050018.D (-2627) (-)

Ion 3167.00 (3166.70 to 3167.70): VN050018.D (-2627) (-)

Ion 3193.00 (3192.70 to 3193.70): VN050018.D (-2627) (-)

Ion 3219.00 (3218.70 to 3219.70): VN050018.D (-2627) (-)

Ion 3245.00 (3244.70 to 3245.70): VN050018.D (-2627) (-)

Ion 3271.00 (3270.70 to 3271.70): VN050018.D (-2627) (-)

Ion 3297.00 (3296.70 to 3297.70): VN050018.D (-2627) (-)

Ion 3323.00 (3322.70 to 3323.70): VN050018.D (-2627) (-)

Ion 3349.00 (3348.70 to 3349.70): VN050018.D (-2627) (-)

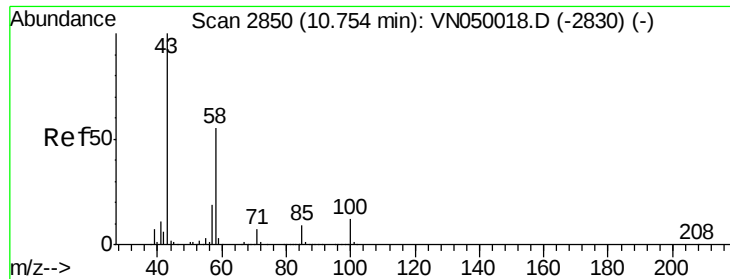
Ion 3375.00 (3374.70 to 3375.70): VN050018.D (-2627) (-)

Ion 3401.00 (3400.70 to 3401.70): VN050018.D (-2627) (-)

Ion 3427.00 (3426.70 to 3427.70): VN050018.D (-2627) (-)

Ion 3453.00 (3452.70 to 3453.70): VN050018.D (-2627) (-)

Ion 3479.00 (3



#59

2-Hexanone

Concen: 8.089 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050288.D

Acq: 3 Aug 2018 2:08

Instrument :

MSVOA_N

ClientSampled :

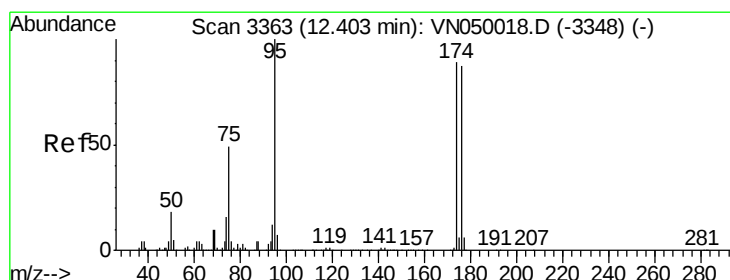
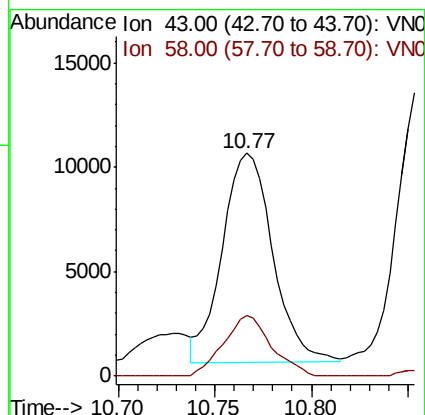
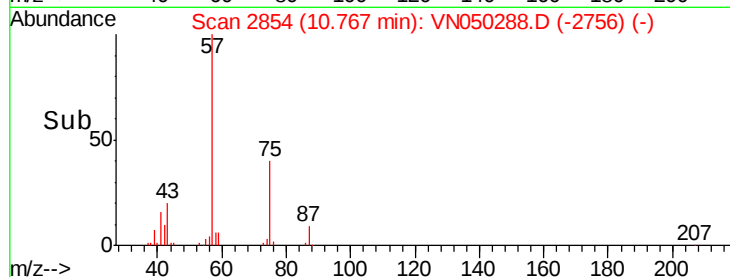
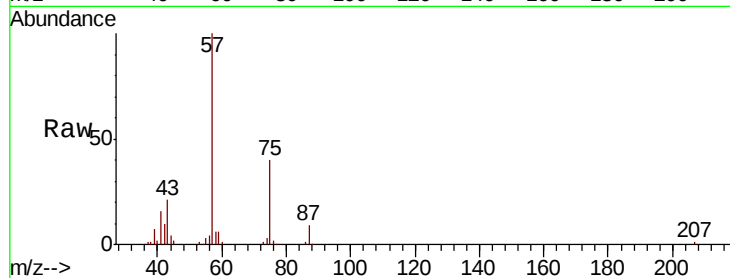
KG-PIT-5

Tot Ion: 43 Resp: 18136

Ion Ratio Lower Upper

43 100

58 27.5 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 36.842 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050288.D

Acq: 3 Aug 2018 2:08

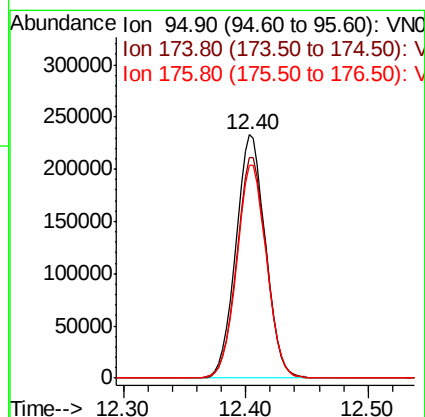
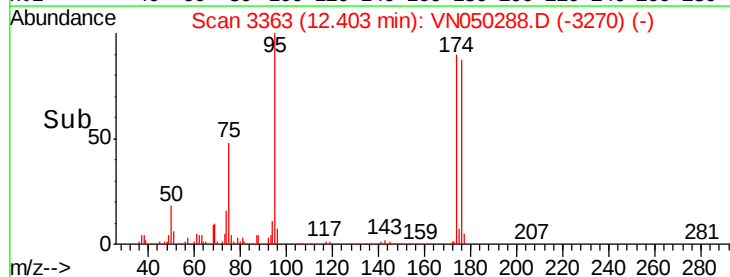
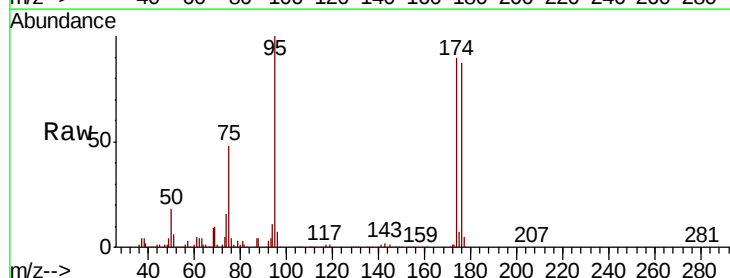
Tgt Ion: 95 Resp: 391083

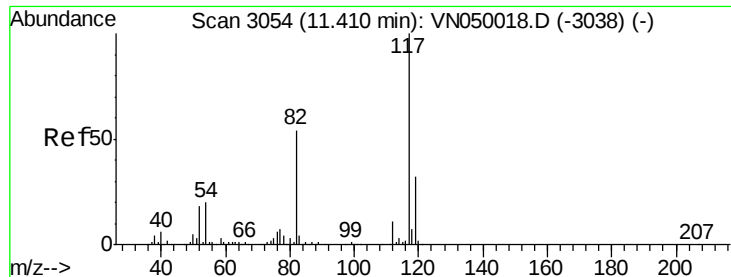
Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.2

176 87.8 0.0 173.4

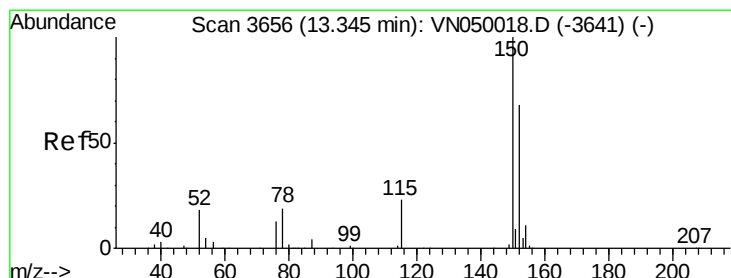
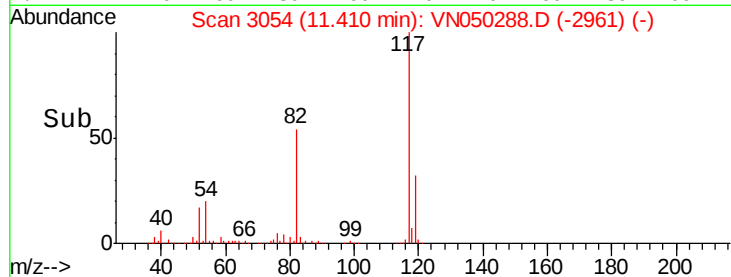
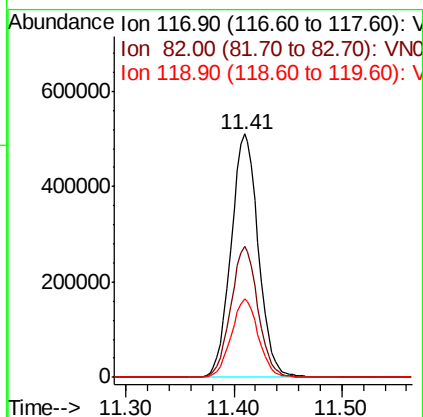
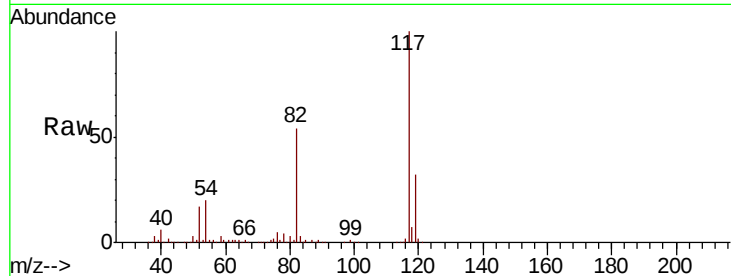




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050288.D
Acq: 3 Aug 2018 2:08

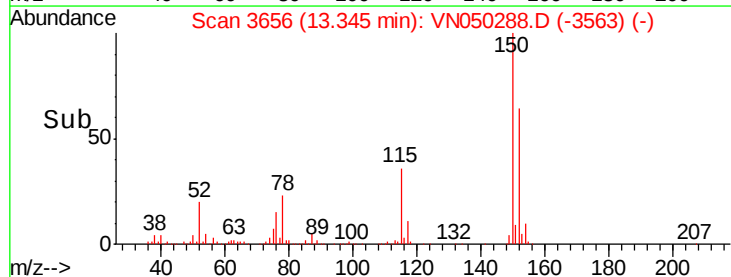
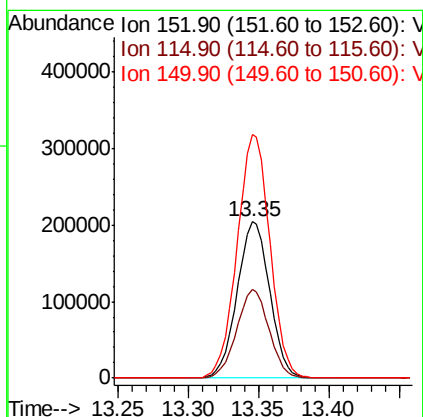
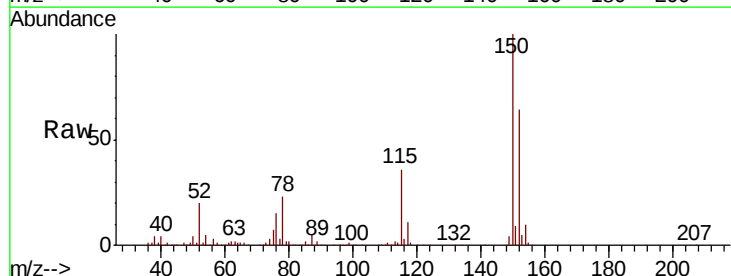
Instrument :
MSVOA_N
ClientSampleId :
KG-PIT-5

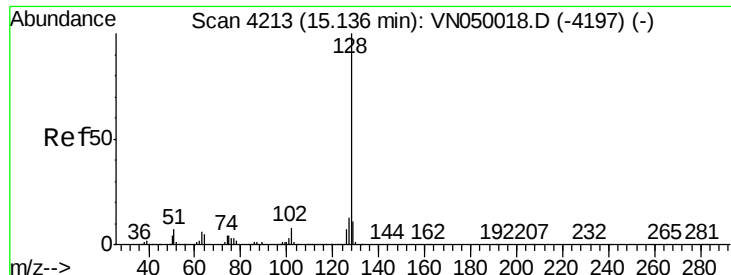
Tot Ion:117 Resp: 902736
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050288.D
Acq: 3 Aug 2018 2:08

Tgt Ion:152 Resp: 331117
Ion Ratio Lower Upper
152 100
115 56.4 27.8 83.3
150 156.6 0.0 348.6





#95
Naphthalene
Concen: 43.322 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050288.D
Acq: 3 Aug 2018 2:08

Instrument :
MSVOA_N
ClientSampleId :
KG-PIT-5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.8	13.2

