

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\  
 Data File : VN050241.D  
 Acq On : 1 Aug 2018 11:50  
 Operator : MD\SY  
 Sample : J4256-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 02 00:52:31 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  | 676950   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1090774  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 916614   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 367332   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 467451   | 49.49 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.98% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 415140   | 46.61 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.22% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1491829  | 45.56 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.12% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 428294   | 39.73 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 79.46% |      |

## Target Compounds

|                                |       |     |        |       |      | Qvalue |
|--------------------------------|-------|-----|--------|-------|------|--------|
| 4) Vinyl Chloride              | 2.18  | 62  | 5728   | 0.51  | ug/l | # 65   |
| 5) Bromomethane                | 2.57  | 94  | 1026   | Below | Cal  | 81     |
| 16) Acetone                    | 3.83  | 43  | 7717   | Below | Cal  | 97     |
| 17) Carbon Disulfide           | 4.04  | 76  | 6136   | 0.26  | ug/l | 99     |
| 18) Methyl Acetate             | 4.34  | 43  | 12761  | Below | Cal  | 91     |
| 19) Methyl tert-butyl Ether    | 5.06  | 73  | 49225  | 2.37  | ug/l | 98     |
| 20) Methylene Chloride         | 4.56  | 84  | 2532   | Below | Cal  | 91     |
| 31) Cyclohexane                | 7.67  | 56  | 14402  | 1.04  | ug/l | # 1    |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 47222  | 3.84  | ug/l | # 48   |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 61655  | 4.73  | ug/l | # 16   |
| 39) Methylcyclohexane          | 9.08  | 83  | 4149   | 0.33  | ug/l | 90     |
| 41) Methacrylonitrile          | 7.22  | 41  | 157    | 2.78  | ug/l | # 27   |
| 43) Isopropyl Acetate          | 8.27  | 43  | 215195 | 12.47 | ug/l | # 61   |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97  | 4061   | 0.46  | ug/l | # 19   |
| 56) Ethyl methacrylate         | 10.43 | 69  | 2759   | 2.25  | ug/l | # 9    |
| 59) 2-Hexanone                 | 10.75 | 43  | 252    | 5.21  | ug/l | # 24   |
| 70) Styrene                    | 11.97 | 104 | 407    | 0.94  | ug/l | # 23   |
| 73) Isopropylbenzene           | 12.25 | 105 | 32715  | 1.15  | ug/l | 96     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.53 | 83  | 95     | Below | Cal  | # 25   |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 207277 | 30.36 | ug/l | # 100  |
| 78) n-propylbenzene            | 12.59 | 91  | 32107  | 1.01  | ug/l | 98     |
| 79) 2-Chlorotoluene            | 12.59 | 91  | 32107  | 1.63  | ug/l | # 40   |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 207277 | 96.31 | ug/l | # 13   |
| 83) tert-Butylbenzene          | 12.99 | 119 | 17589  | 0.90  | ug/l | 94     |
| 84) 1,2,4-Trimethylbenzene     | 12.89 | 105 | 8308   | 0.37  | ug/l | 76     |
| 85) sec-Butylbenzene           | 13.17 | 105 | 107339 | 4.11  | ug/l | 87     |
| 86) p-Isopropyltoluene         | 13.44 | 119 | 66160  | 3.00  | ug/l | 97     |
| 89) n-Butylbenzene             | 13.59 | 91  | 11694  | 0.65  | ug/l | # 1    |
| 90) Hexachloroethane           | 13.89 | 117 | 51871  | 10.61 | ug/l | # 4    |
| 92) 1,2-Dibromo-3-Chloropropan | 14.29 | 75  | 475    | Below | Cal  | # 1    |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180 | 759    | 3.19  | ug/l | # 1    |
| 95) Naphthalene                | 15.13 | 128 | 7291   | 4.81  | ug/l | # 86   |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180 | 568    | 2.28  | ug/l | # 1    |

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

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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) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

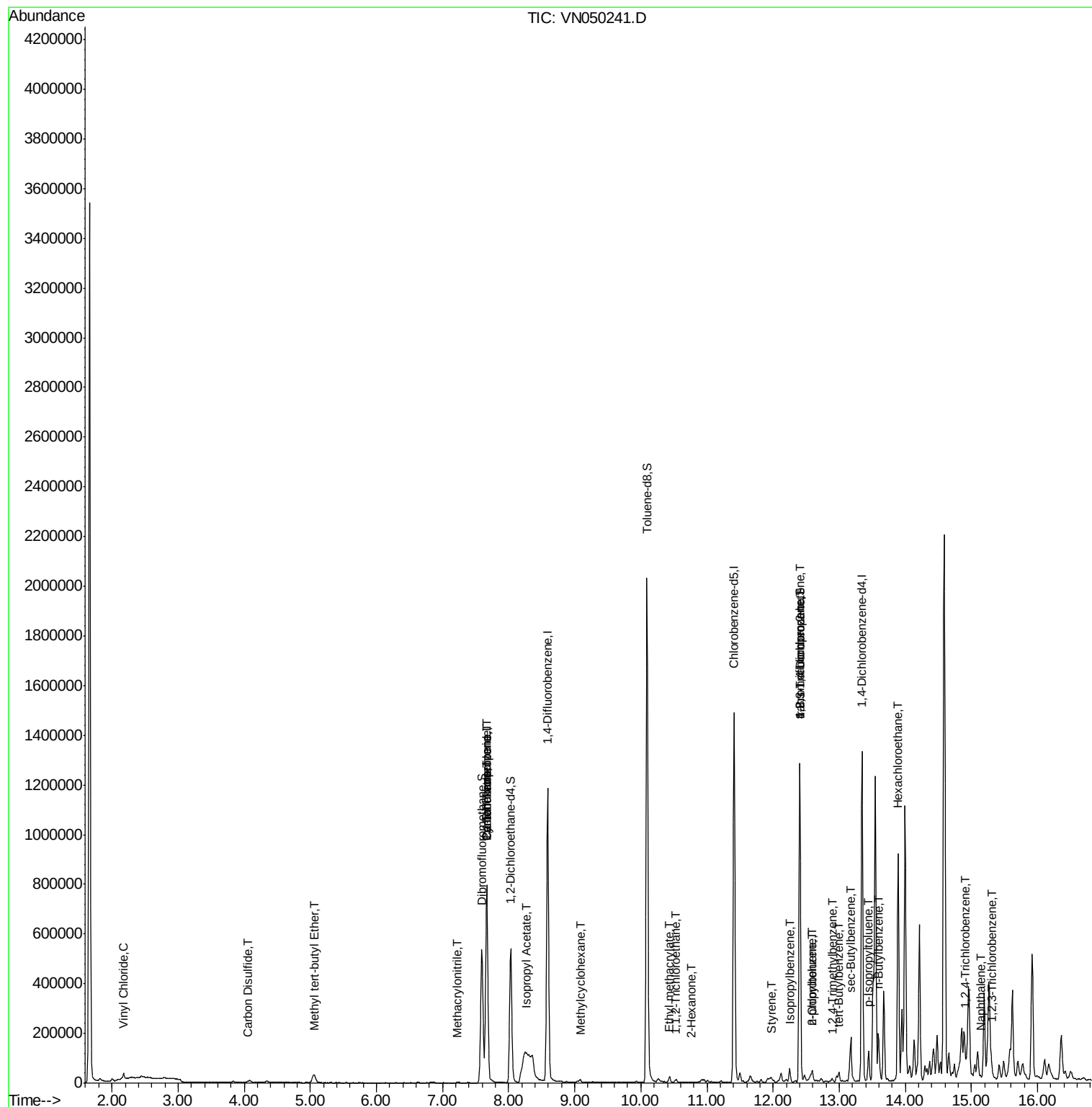
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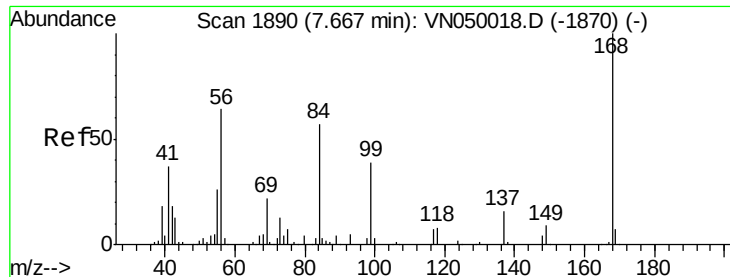
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

Instrument :

MSVOA\_N

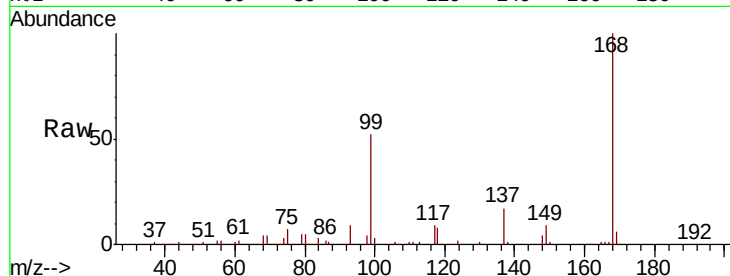
ClientSampleId :

Tot Ion:168 Resp: 676950

Ion Ratio Lower Upper

168 100

99 52.2 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

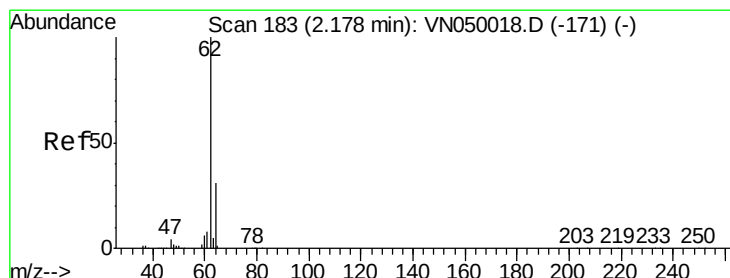
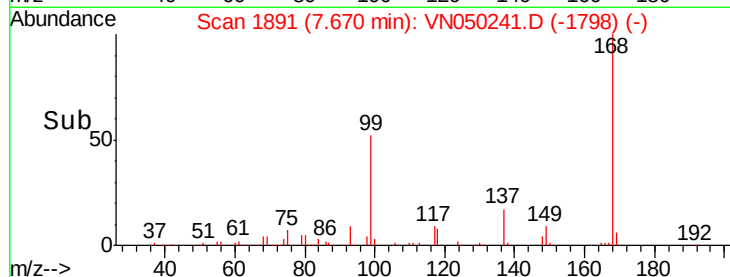
100000

50000

0

7.60 7.70 7.80

Time-->



#4

Vinyl Chloride

Concen: 0.51 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050241.D

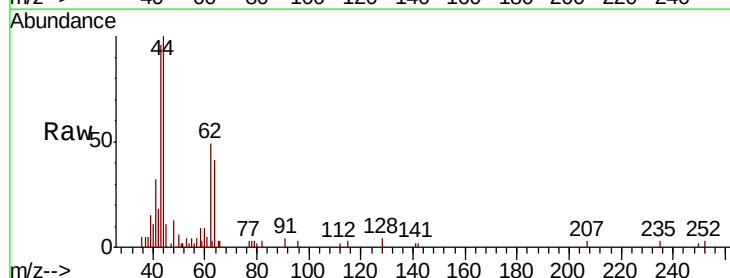
Acq: 1 Aug 2018 11:50

Tgt Ion: 62 Resp: 5728

Ion Ratio Lower Upper

62 100

64 50.0 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

4000

3000

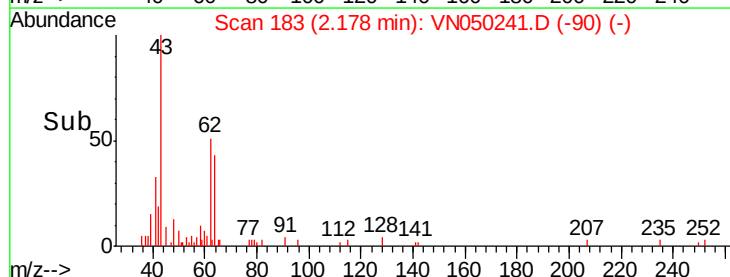
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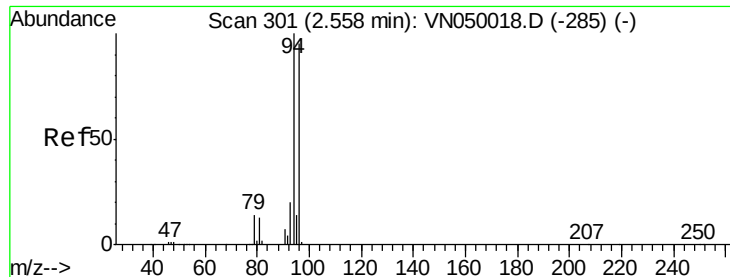
1000

0

2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

Instrument :

MSVOA\_N

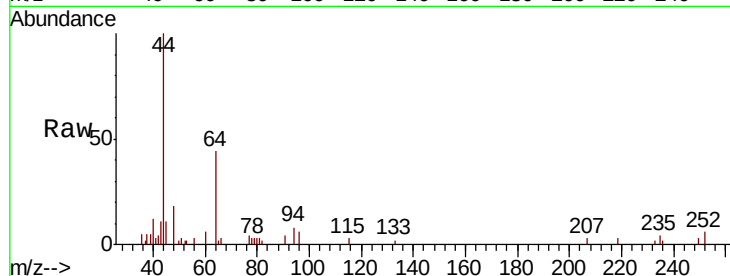
ClientSampled :

Tot Ion: 94 Resp: 1026

Ion Ratio Lower Upper

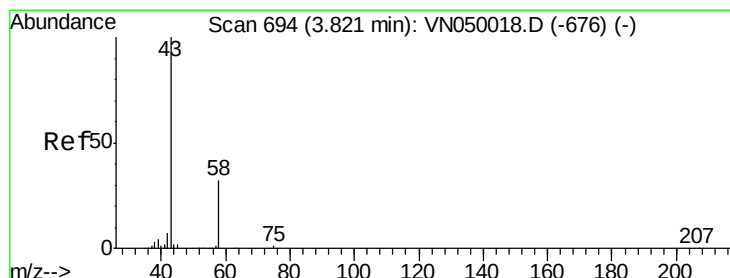
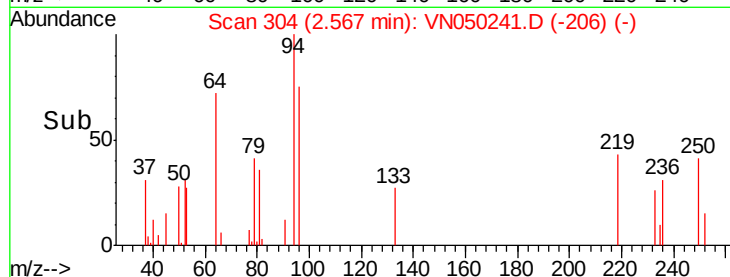
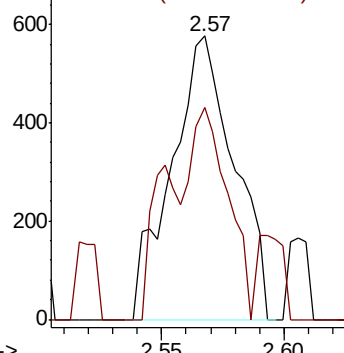
94 100

96 74.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050241.D

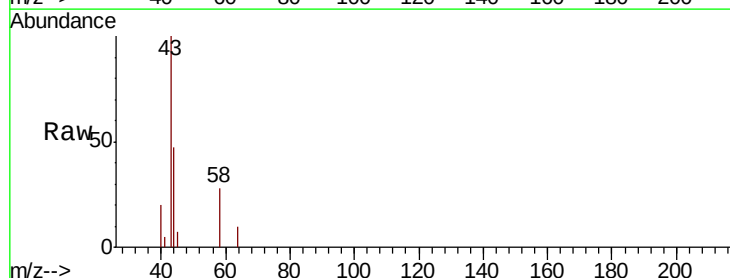
Acq: 1 Aug 2018 11:50

Tgt Ion: 43 Resp: 7717

Ion Ratio Lower Upper

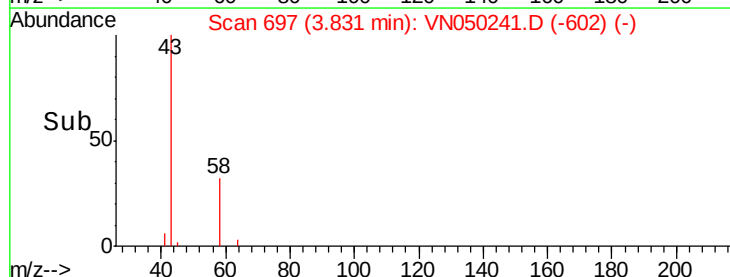
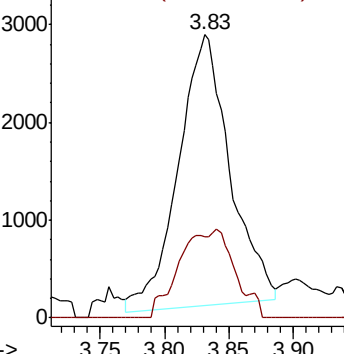
43 100

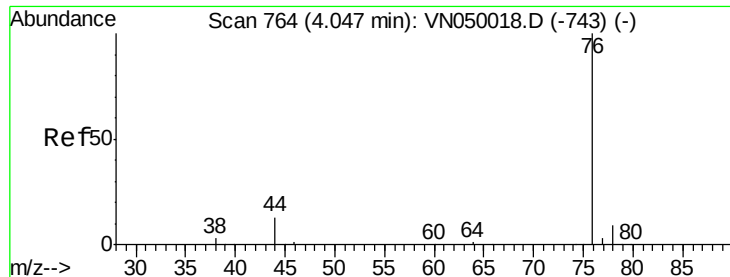
58 30.5 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.01 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

Instrument :

MSVOA\_N

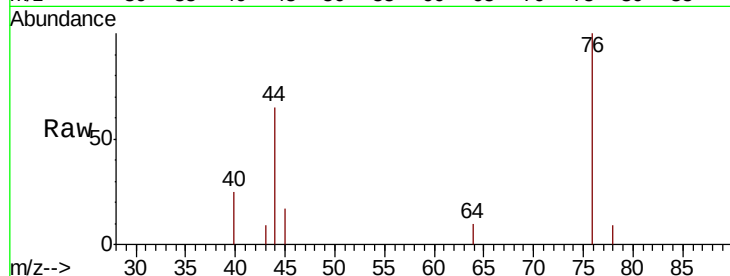
ClientSampled :

Tot Ion: 76 Resp: 6136

Ion Ratio Lower Upper

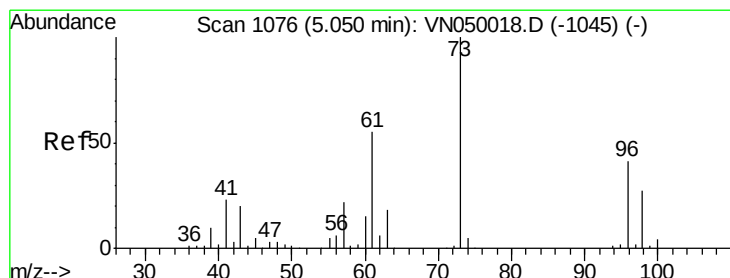
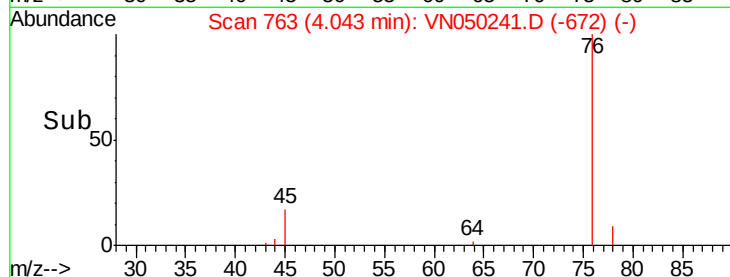
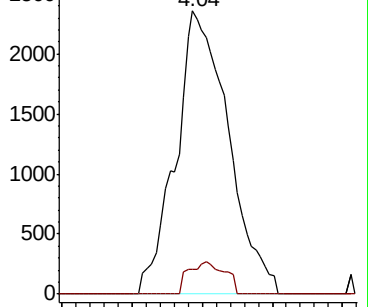
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-743) (-)



#19

Methyl tert-butyl Ether

Concen: 2.37 ug/l

RT: 5.06 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VN050241.D

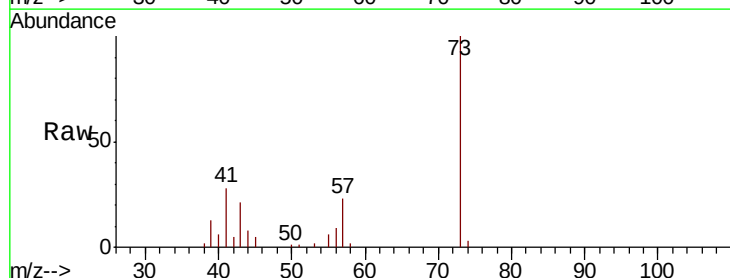
Acq: 1 Aug 2018 11:50

Tgt Ion: 73 Resp: 49225

Ion Ratio Lower Upper

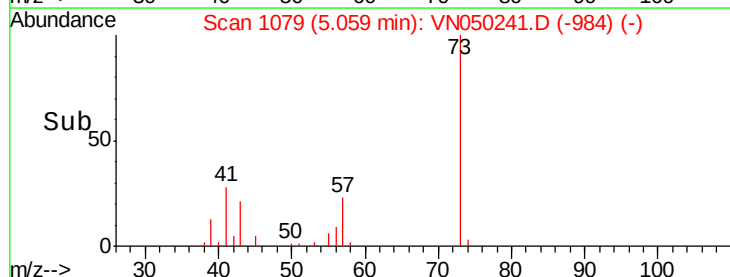
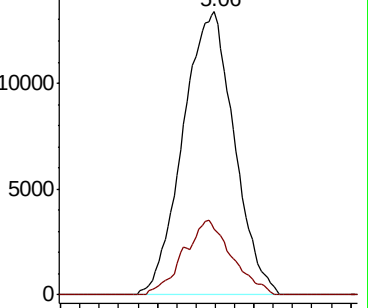
73 100

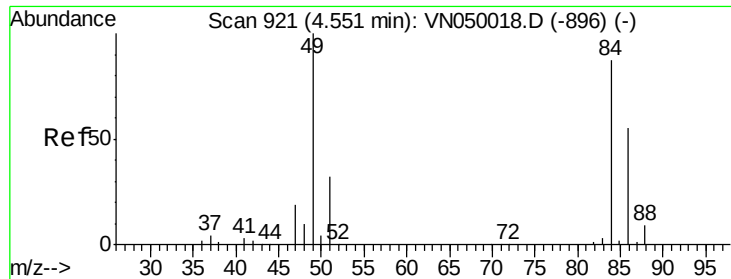
57 23.4 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN050018.D (-1045) (-)

Ion 57.00 (56.70 to 57.70): VN050018.D (-1045) (-)

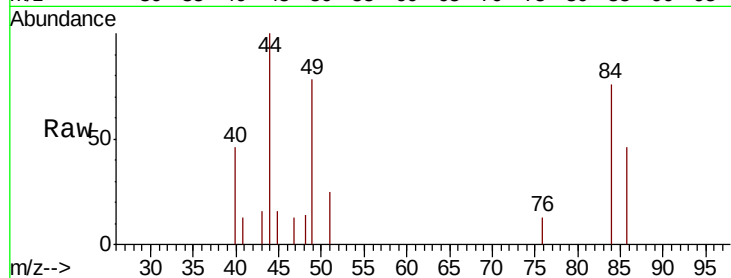




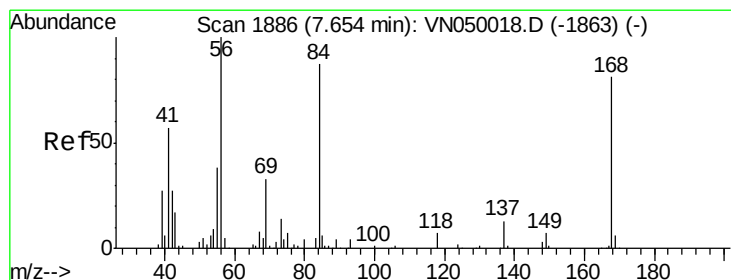
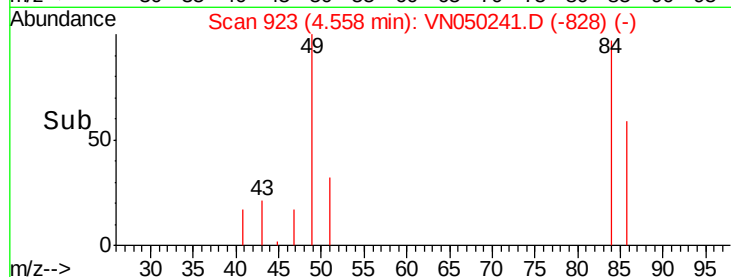
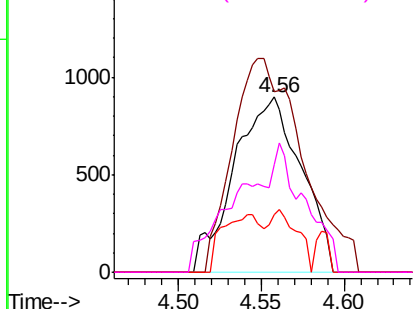
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.56 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 84 Resp: 2532  
Ion Ratio Lower Upper  
84 100  
49 103.3 94.8 142.2  
51 32.9 28.3 42.5  
86 61.4 51.0 76.6

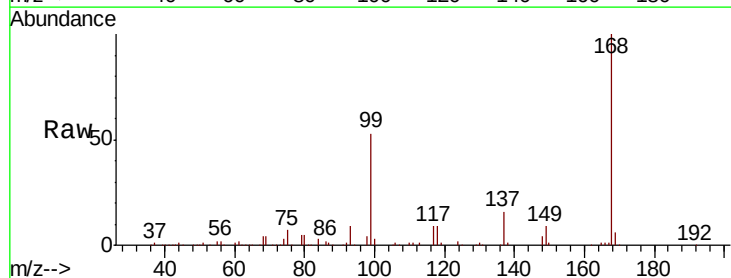


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

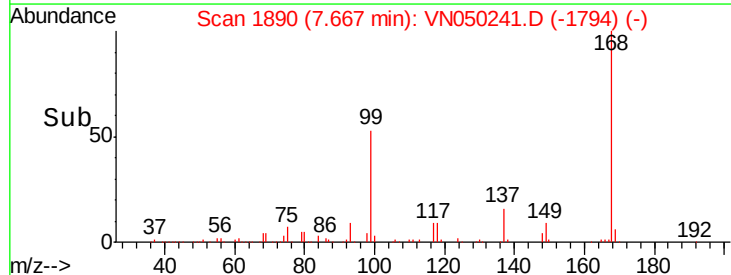
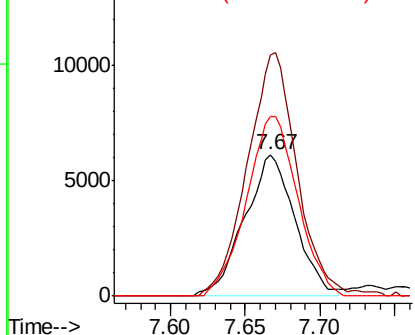


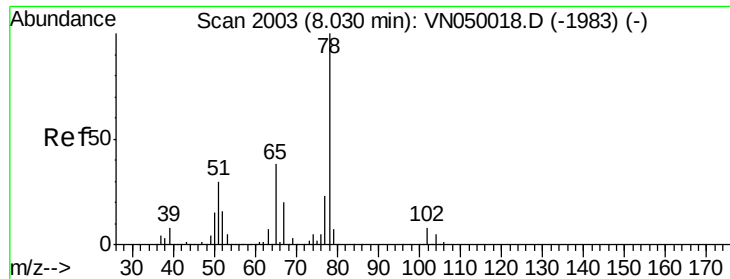
#31  
Cyclohexane  
Concen: 1.04 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. 0.01 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

Tgt Ion: 56 Resp: 14402  
Ion Ratio Lower Upper  
56 100  
69 169.8 26.2 39.4#  
84 126.9 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

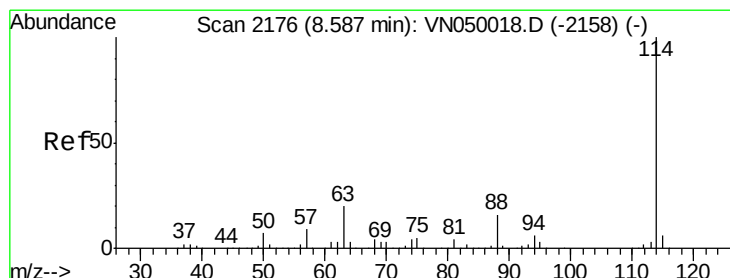
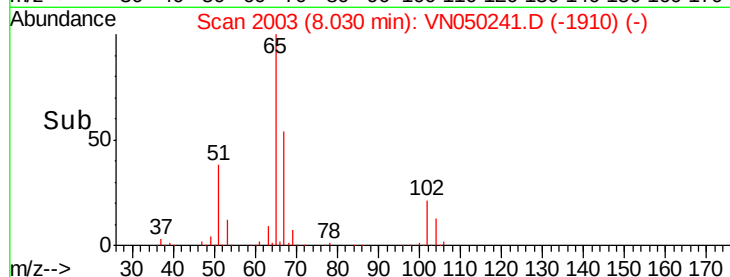
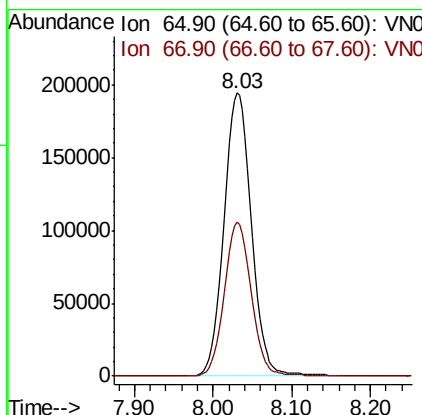
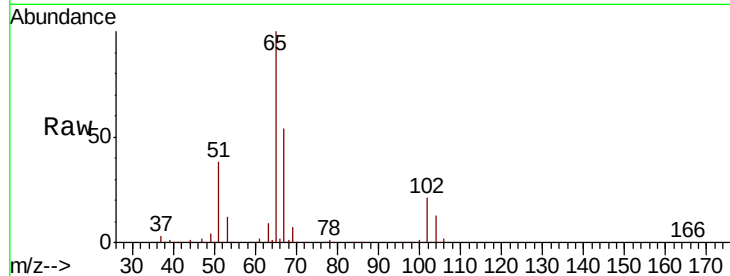




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.49 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

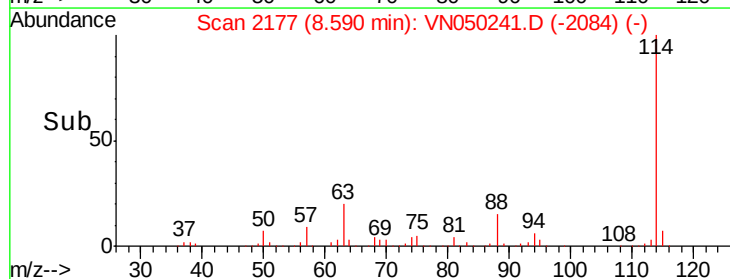
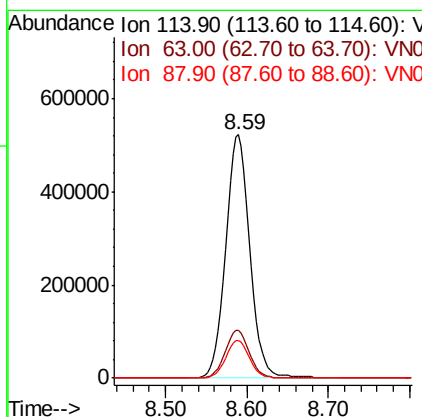
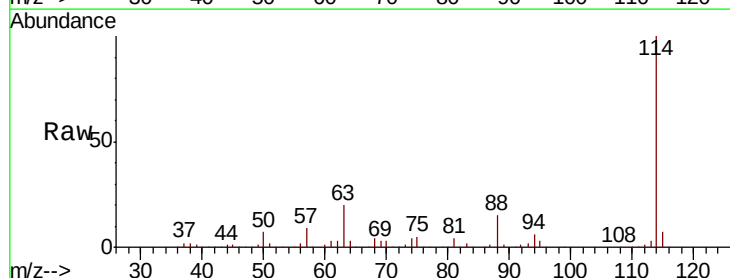
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion: 65 Resp: 467451  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 108.4

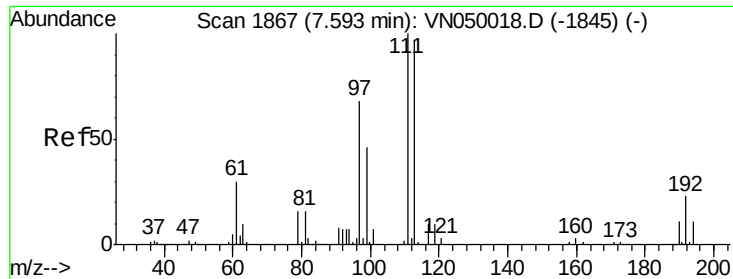


#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

Tgt Ion: 114 Resp: 1090774  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 40.0  
 88 15.5 0.0 31.2



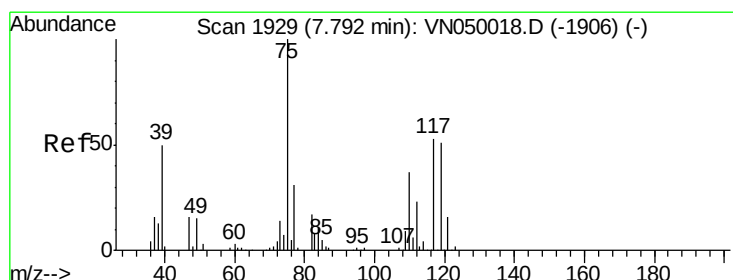
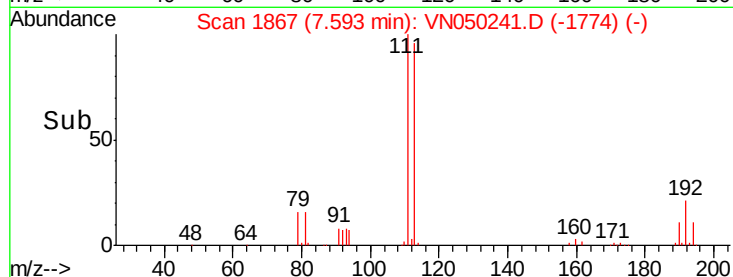
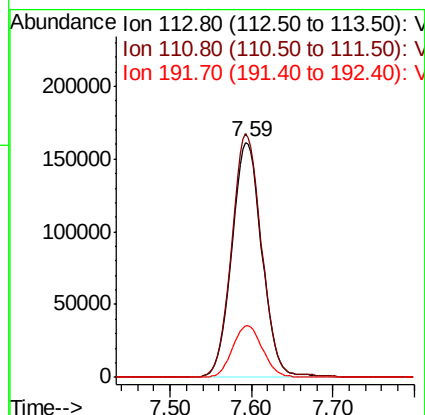
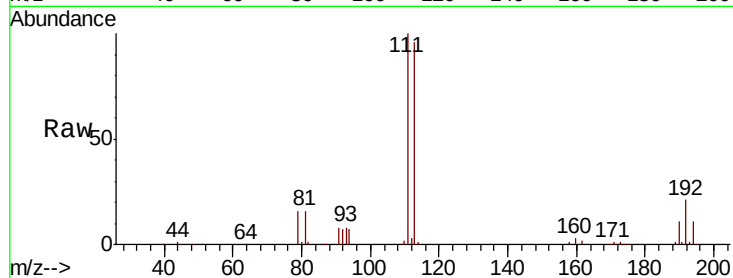




#35  
 Dibromofluoromethane  
 Concen: 46.61 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

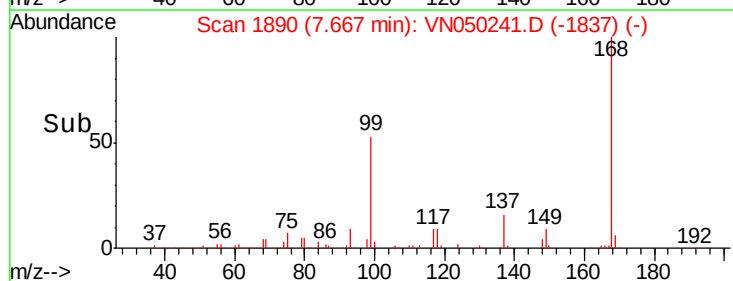
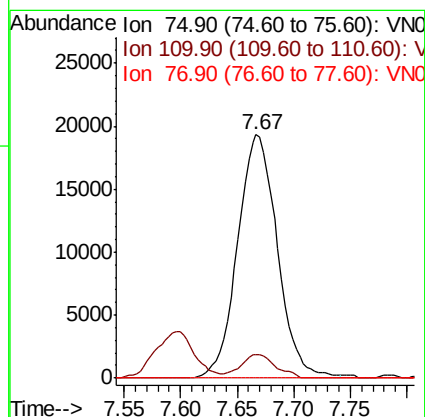
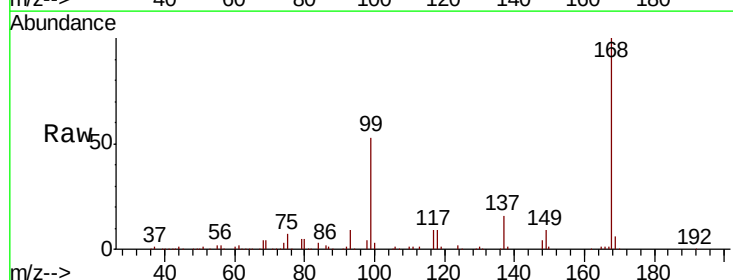
Instrument :  
 MSVOA\_N  
 ClientSampleId :

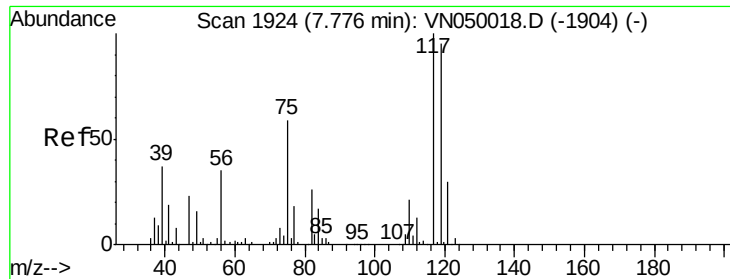
Tot Ion:113 Resp: 415140  
 Ion Ratio Lower Upper  
 113 100  
 111 103.5 80.7 121.1  
 192 22.1 17.8 26.6



#36  
 1,1-Dichloropropene  
 Concen: 3.84 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.13 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

Tgt Ion: 75 Resp: 47222  
 Ion Ratio Lower Upper  
 75 100  
 110 8.4 18.4 55.2#  
 77 0.0 25.3 37.9#

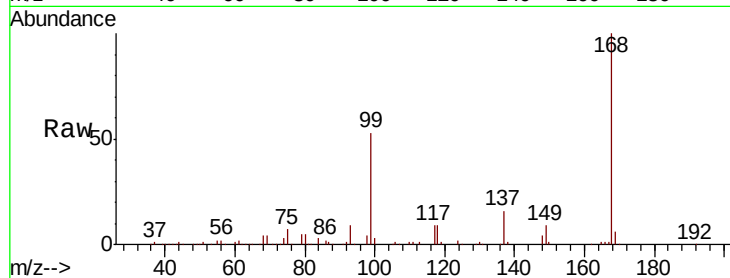




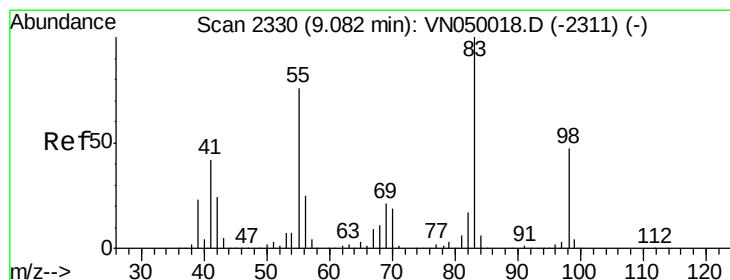
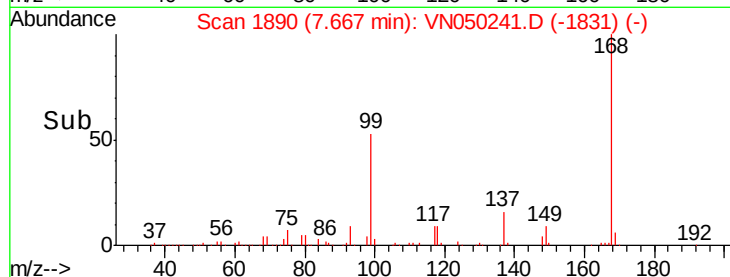
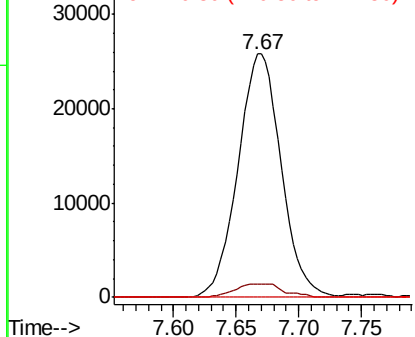
#38  
Carbon Tetrachloride  
Concen: 4.73 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 61655  
Ion Ratio Lower Upper  
117 100  
119 5.5 77.4 116.0#  
121 0.0 23.9 35.9#

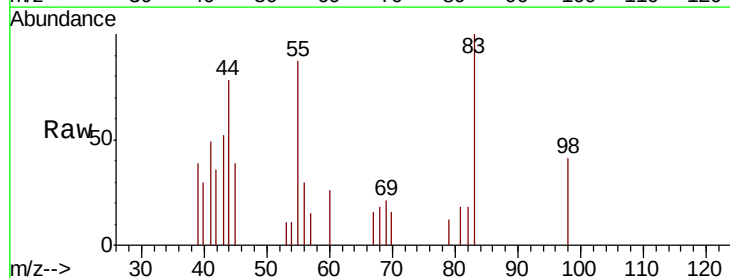


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

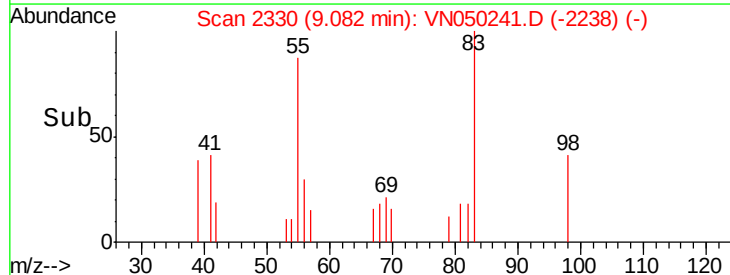
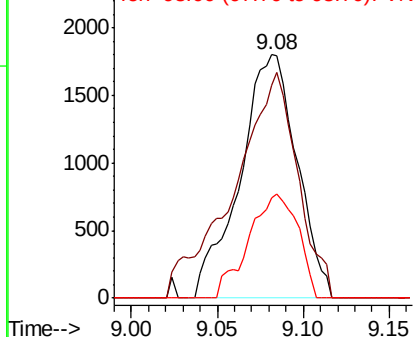


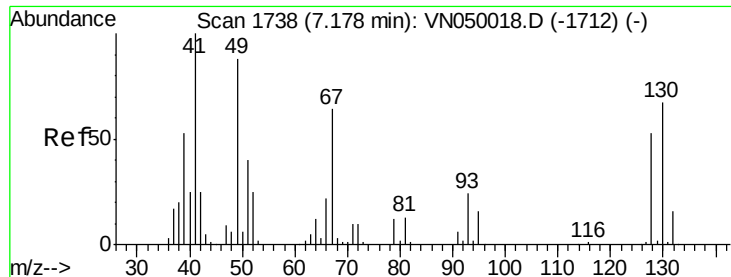
#39  
Methylcyclohexane  
Concen: 0.33 ug/l  
RT: 9.08 min Scan# 2330  
Delta R.T. -0.00 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

Tgt Ion: 83 Resp: 4149  
Ion Ratio Lower Upper  
83 100  
55 87.2 61.8 92.8  
98 41.0 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): V  
Ion 55.00 (54.70 to 55.70): V  
Ion 98.00 (97.70 to 98.70): V





#41

Methacrylonitrile

Concen: 2.78 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.05 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

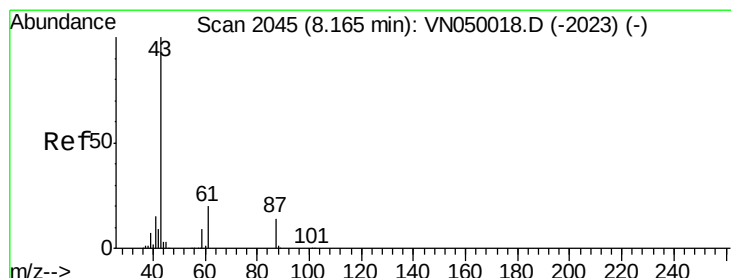
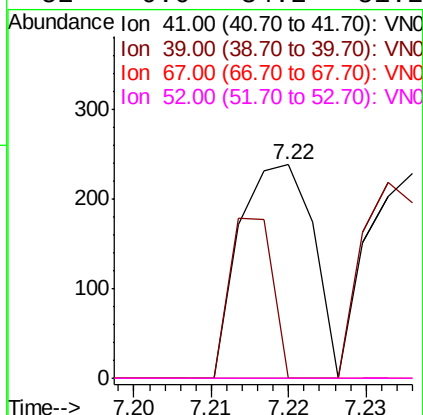
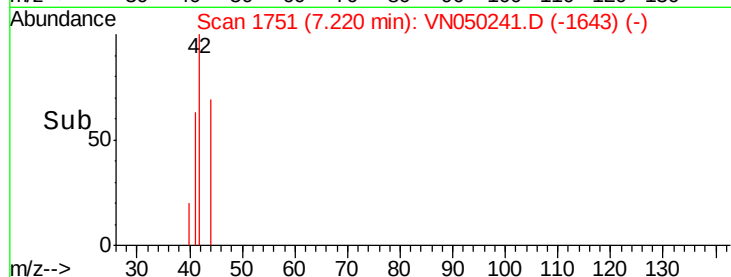
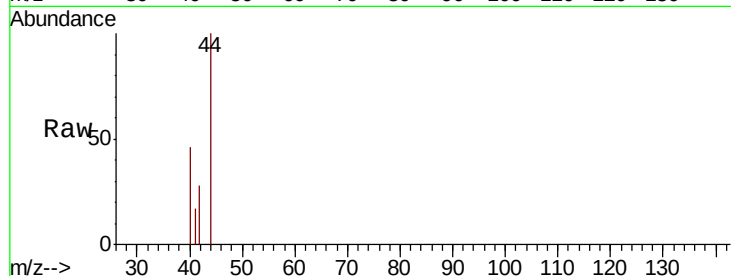
Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion: 41 Resp: 157

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 41  | 100   |       |        |
| 39  | 43.9  | 55.8  | 83.6#  |
| 67  | 0.0   | 84.3  | 126.5# |
| 52  | 0.0   | 34.2  | 51.2#  |



#43

Isopropyl Acetate

Concen: 12.47 ug/l

RT: 8.27 min Scan# 2077

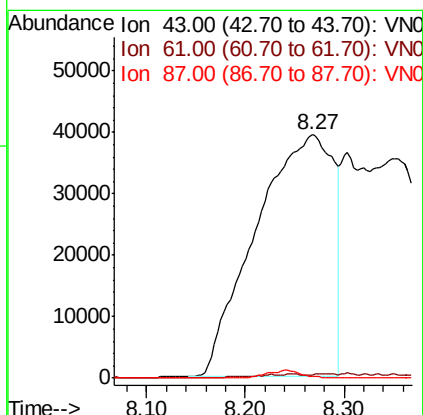
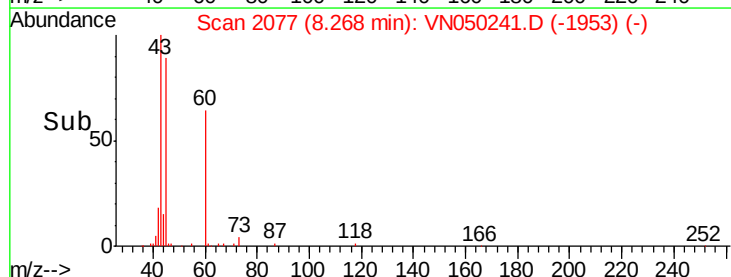
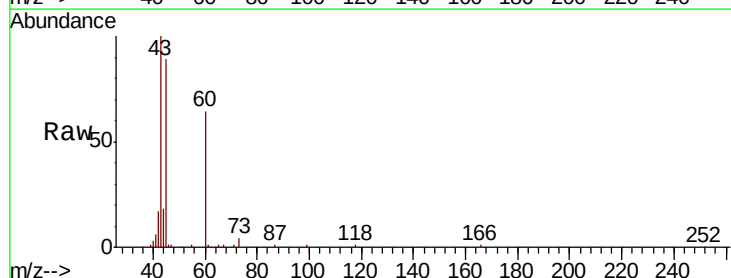
Delta R.T. 0.10 min

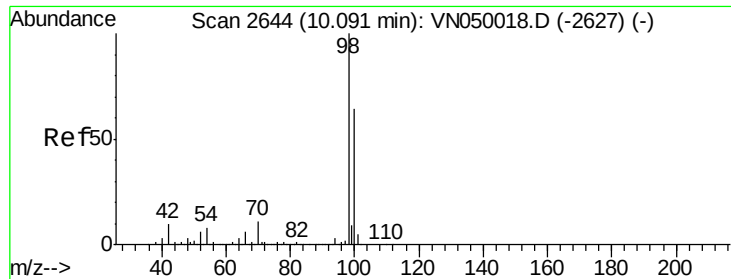
Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

Tgt Ion: 43 Resp: 215195

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 0.2   | 15.8  | 23.6# |
| 87  | 0.0   | 10.3  | 15.5# |

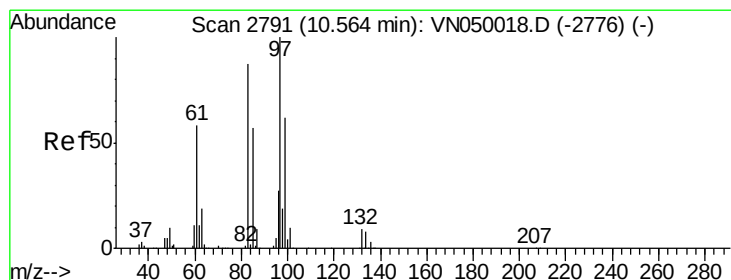
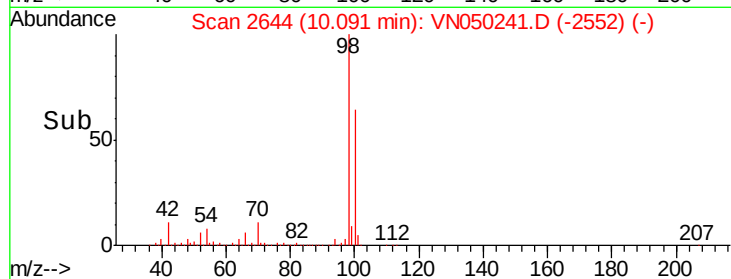
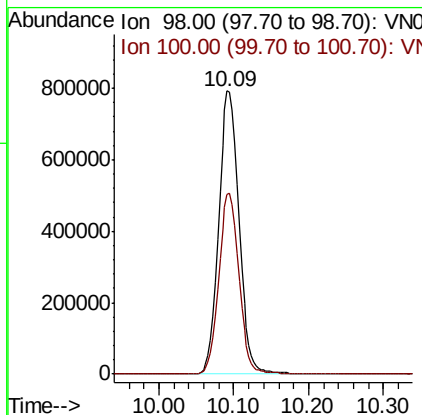
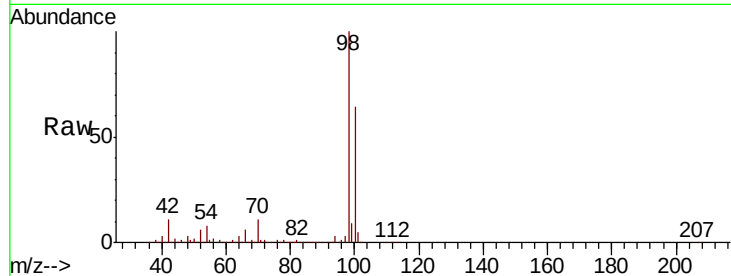




#50  
Toluene-d8  
Concen: 45.56 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

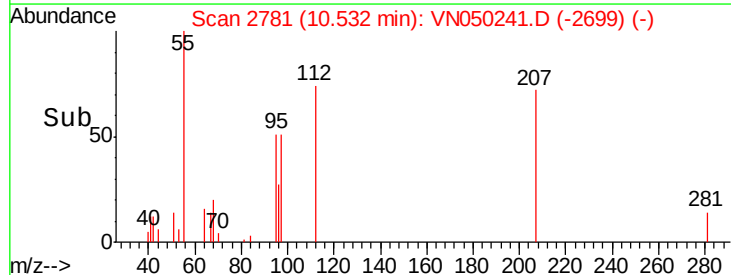
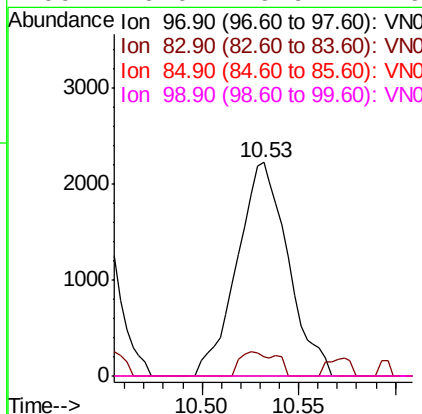
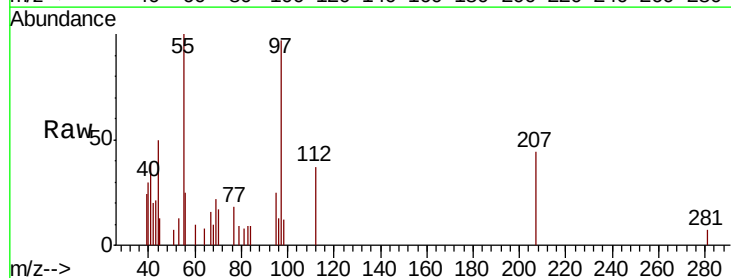
Instrument :  
MSVOA\_N  
ClientSampled :

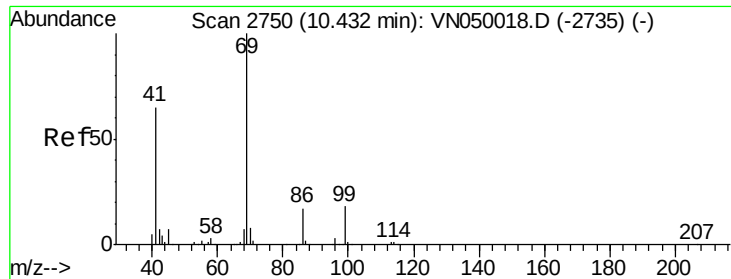
Tot Ion: 98 Resp: 1491829  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.7 76.1



#55  
1,1,2-Trichloroethane  
Concen: 0.46 ug/l  
RT: 10.53 min Scan# 2781  
Delta R.T. -0.04 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

Tgt Ion: 97 Resp: 4061  
Ion Ratio Lower Upper  
97 100  
83 9.0 69.2 103.8#  
85 0.0 44.0 66.0#  
99 0.0 49.9 74.9#

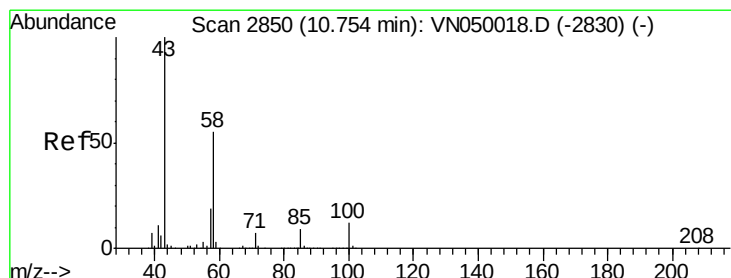
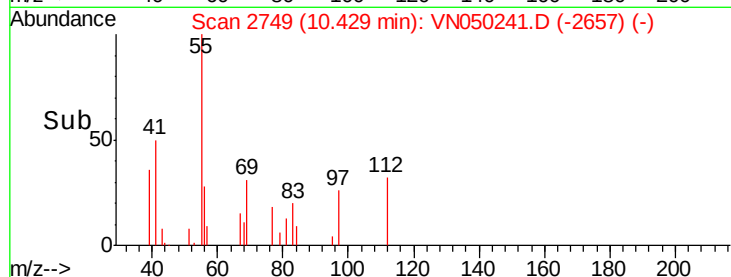
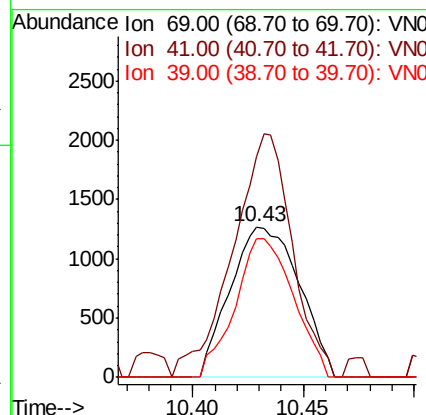
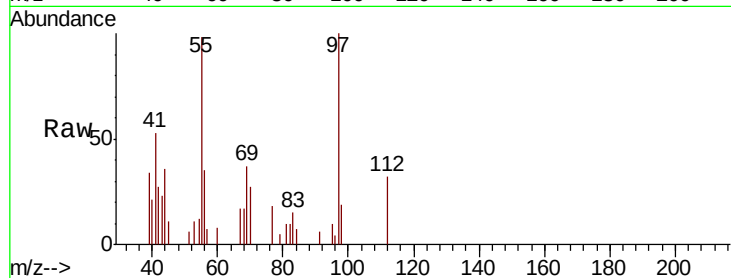




#56  
Ethyl methacrylate  
Concen: 2.25 ug/l  
RT: 10.43 min Scan# 2749  
Delta R.T. -0.00 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

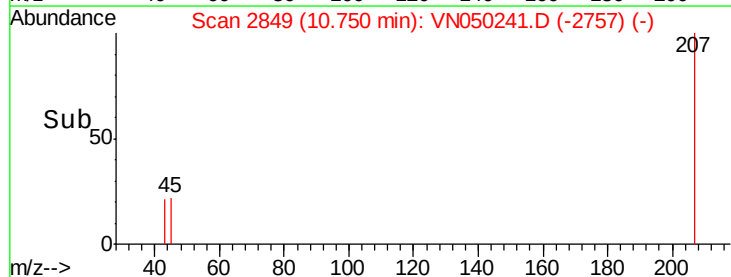
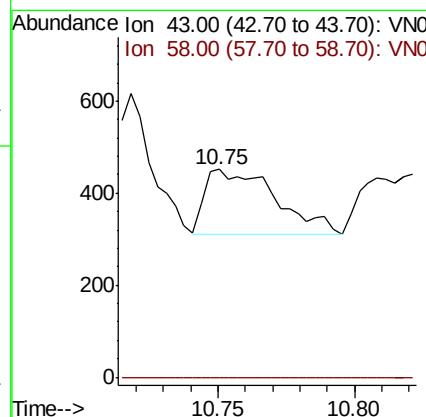
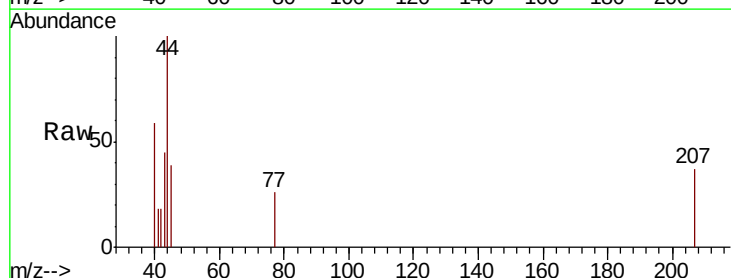
Instrument :  
MSVOA\_N  
ClientSampled :

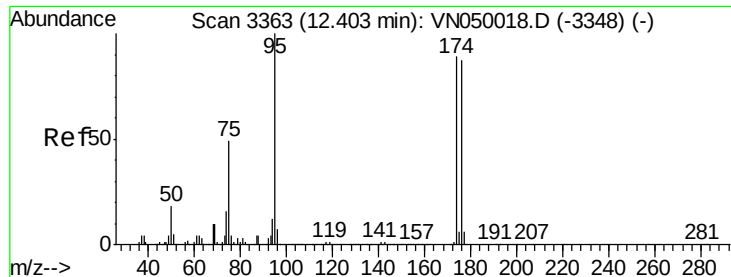
Tot Ion: 69 Resp: 2759  
Ion Ratio Lower Upper  
69 100  
41 139.3 51.0 76.4#  
39 77.9 26.6 40.0#



#59  
2-Hexanone  
Concen: 5.21 ug/l  
RT: 10.75 min Scan# 2849  
Delta R.T. -0.00 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

Tgt Ion: 43 Resp: 252  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.6 82.7#





#62

4-Bromofluorobenzene

Concen: 39.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

Instrument :

MSVOA\_N

ClientSampleId :

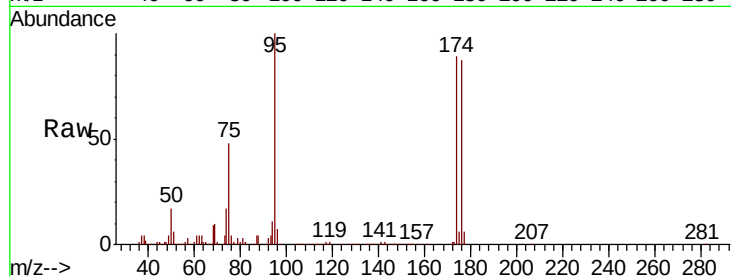
Tot Ion: 95 Resp: 428294

Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.2

176 87.6 0.0 173.4

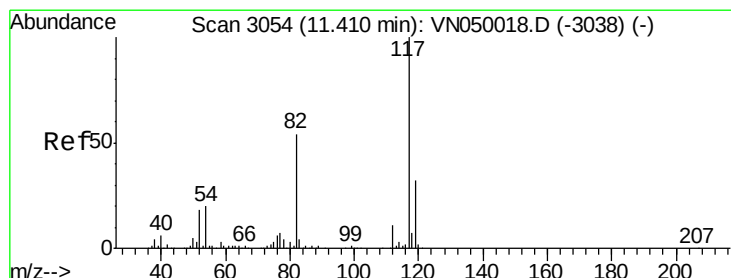
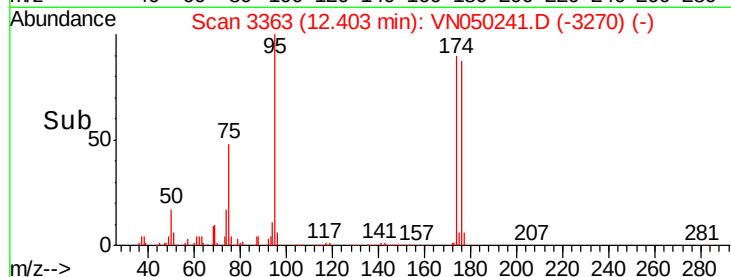


Abundance Ion 94.90 (94.60 to 95.60): VN050241.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN050241.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN050241.D (-3270) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

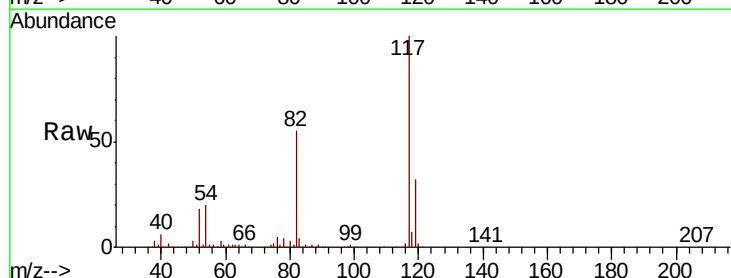
Tgt Ion: 117 Resp: 916614

Ion Ratio Lower Upper

117 100

82 55.0 43.7 65.5

119 31.9 26.1 39.1

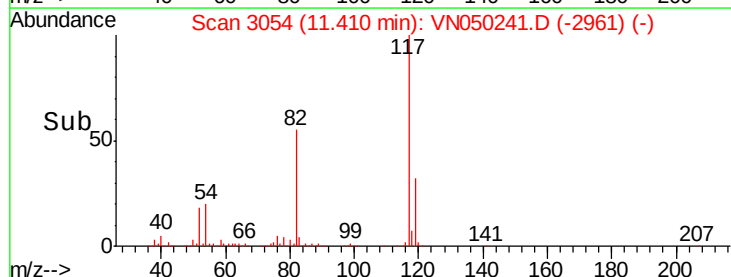


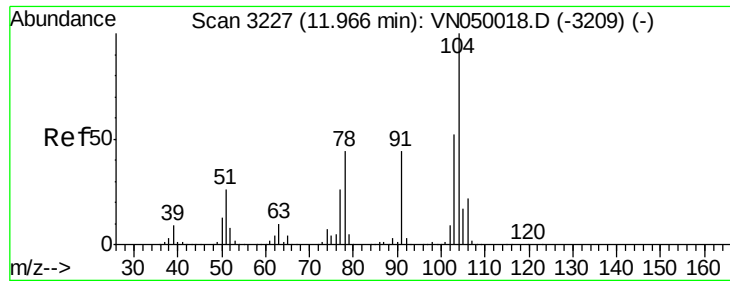
Abundance Ion 116.90 (116.60 to 117.60): VN050241.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN050241.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN050241.D (-2961) (-)

Time-->

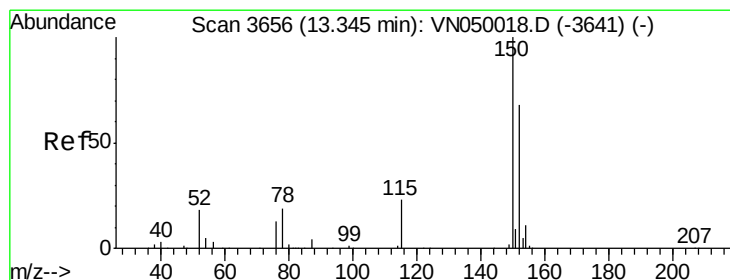
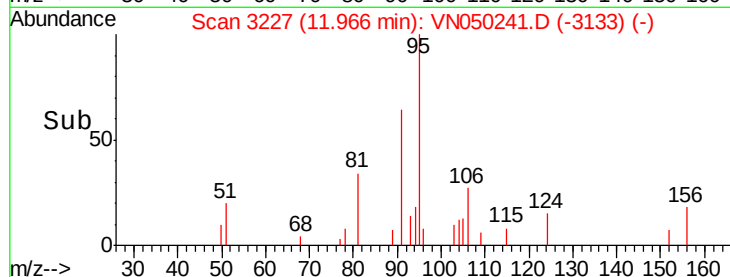
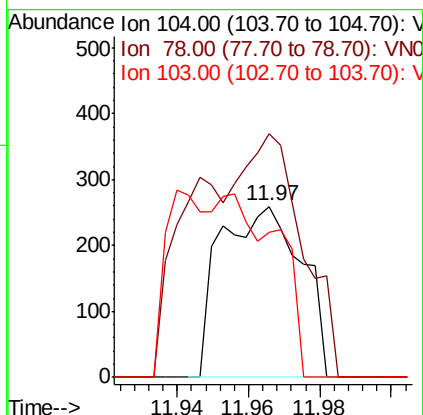
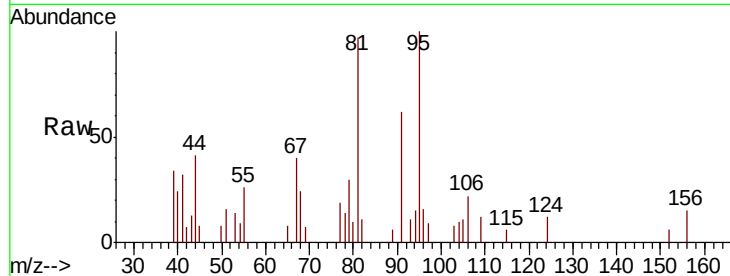




#70  
Stvrene  
Concen: 0.94 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

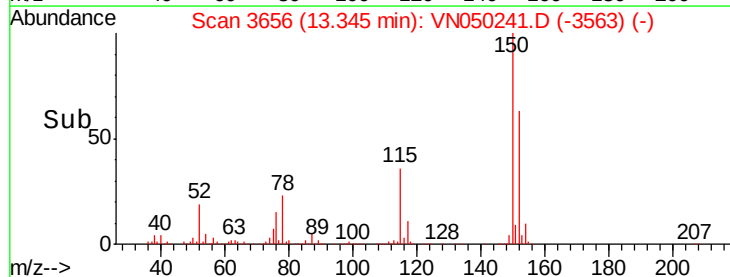
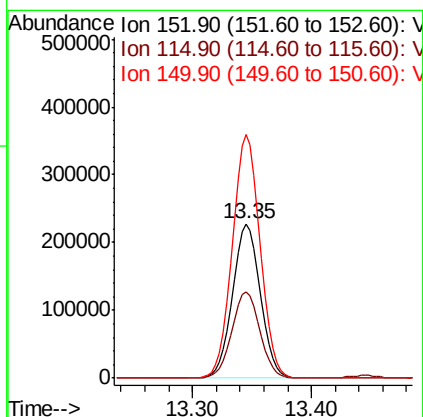
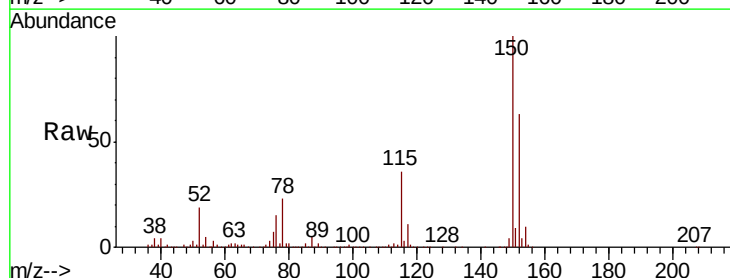
Instrument :  
MSVOA\_N  
ClientSampled :

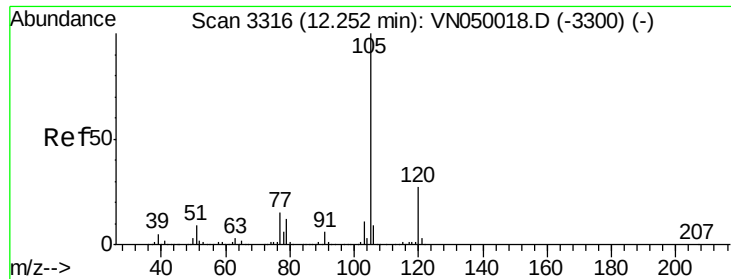
Tot Ion:104 Resp: 407  
Ion Ratio Lower Upper  
104 100  
78 101.0 39.3 58.9#  
103 0.0 45.0 67.6#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

Tgt Ion:152 Resp: 367332  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.8 83.3  
150 157.3 0.0 348.6





#73

Isopropylbenzene

Concen: 1.15 ua/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

Instrument :

MSVOA\_N

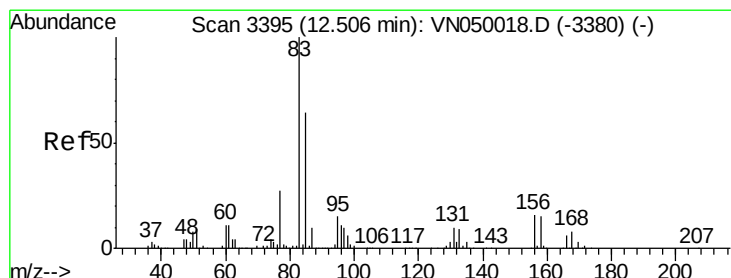
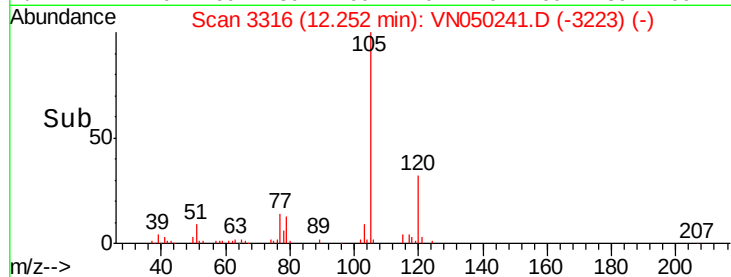
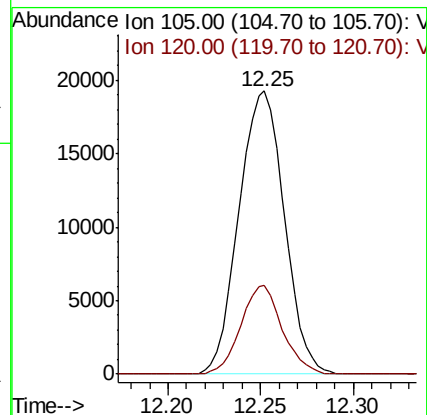
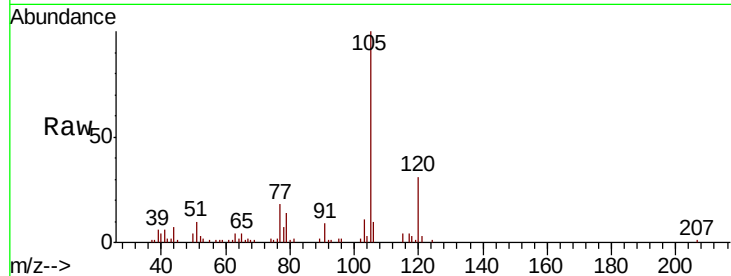
ClientSampleId :

Tot Ion:105 Resp: 32715

Ion Ratio Lower Upper

105 100

120 28.5 13.3 39.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3403

Delta R.T. 0.03 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

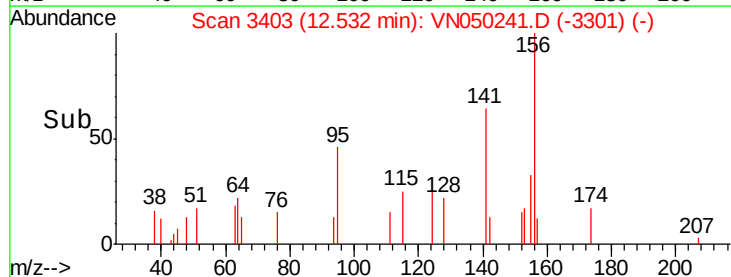
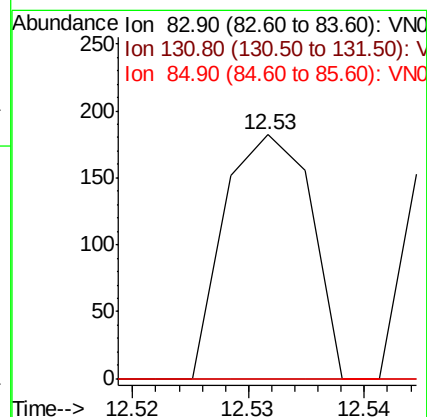
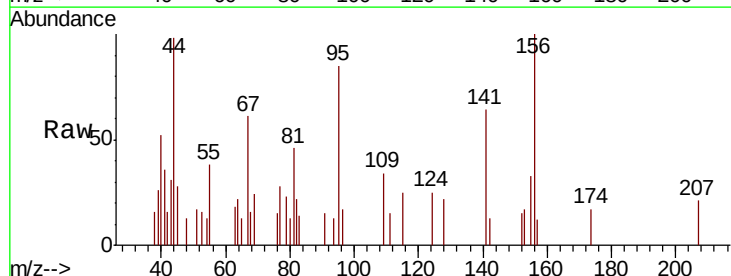
Tgt Ion: 83 Resp: 95

Ion Ratio Lower Upper

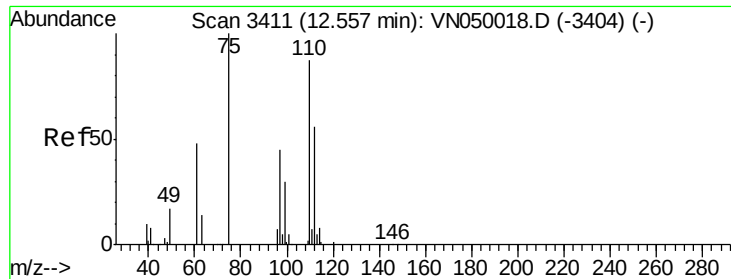
83 100

131 0.0 5.1 15.3#

85 0.0 32.3 96.8#







#76

1,2,3-Trichloropropane

Concen: 30.36 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

Instrument :

MSVOA\_N

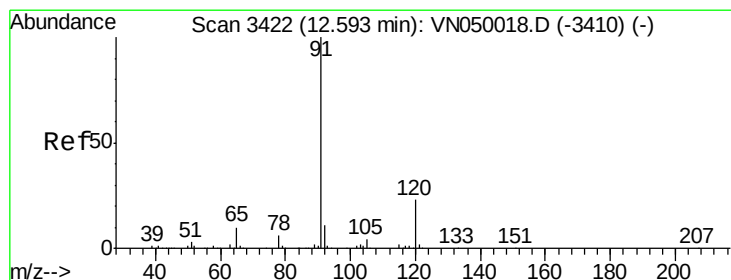
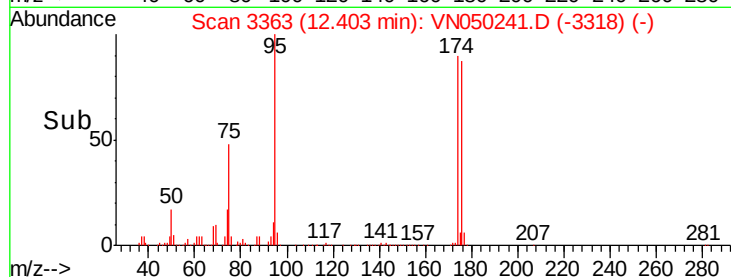
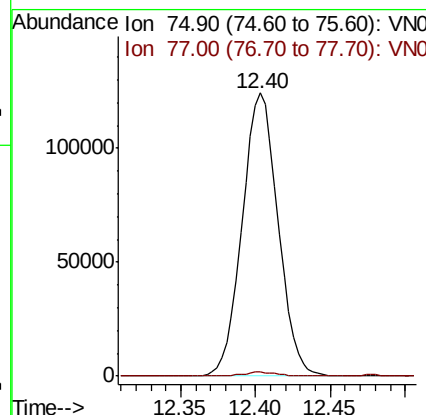
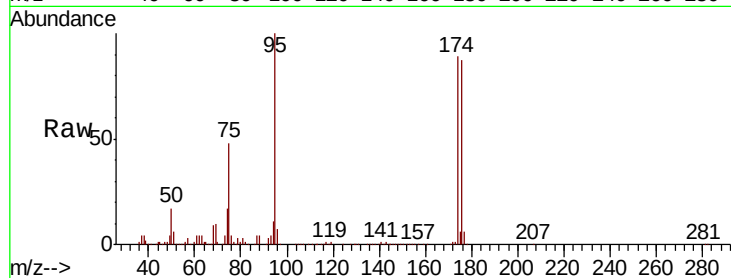
ClientSampleId :

Tot Ion: 75 Resp: 207277

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#78

n-propylbenzene

Concen: 1.01 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050241.D

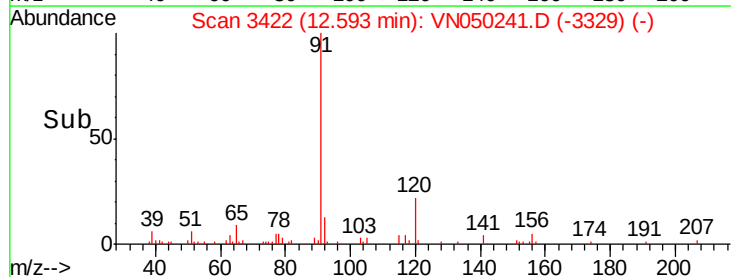
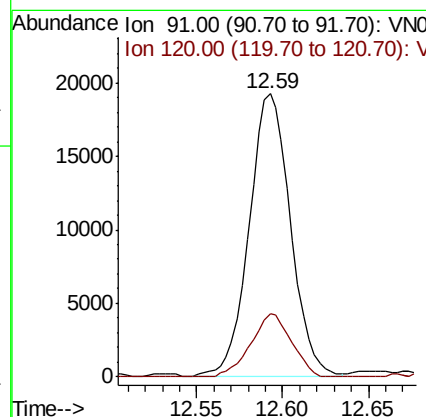
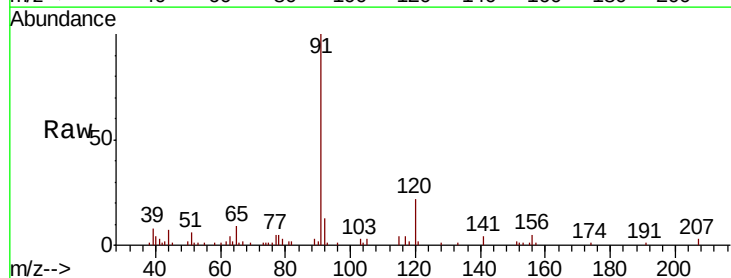
Acq: 1 Aug 2018 11:50

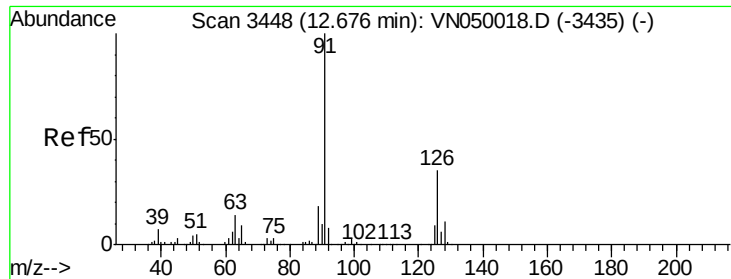
Tgt Ion: 91 Resp: 32107

Ion Ratio Lower Upper

91 100

120 21.9 11.6 34.7

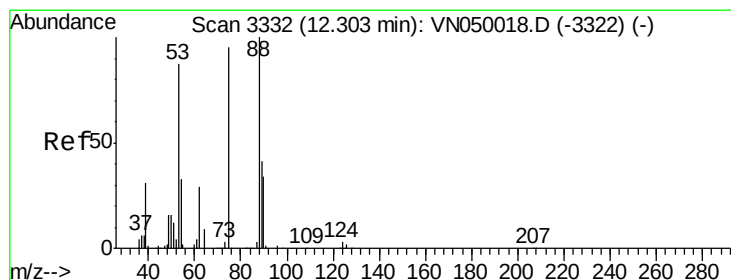
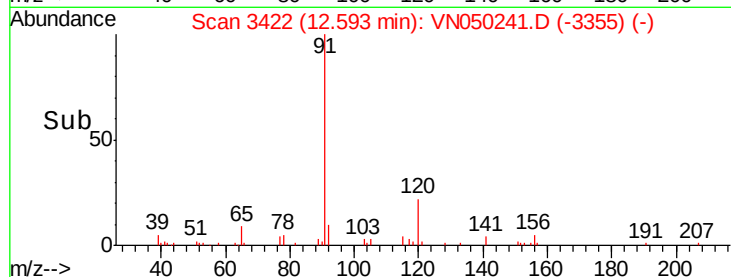
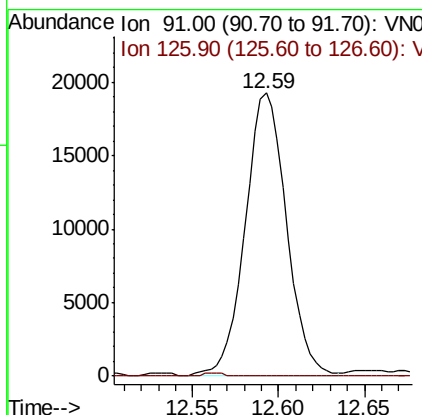
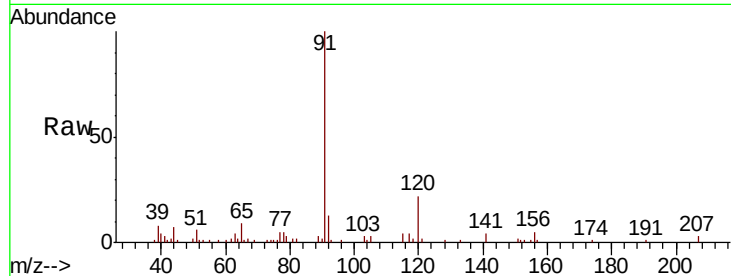




#79  
 2-Chlorotoluene  
 Concen: 1.63 ug/l  
 RT: 12.59 min Scan# 3422  
 Delta R.T. -0.08 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

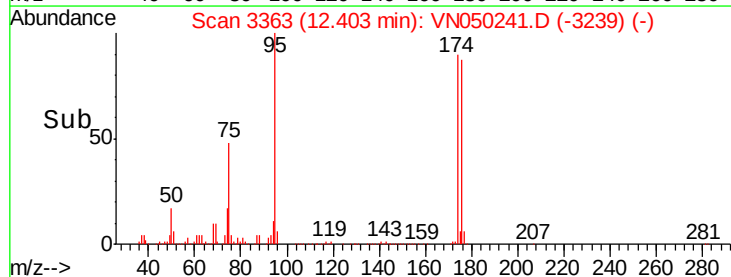
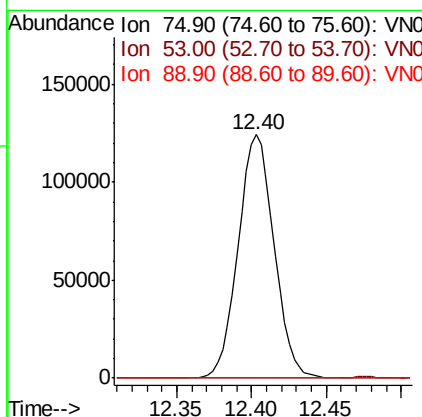
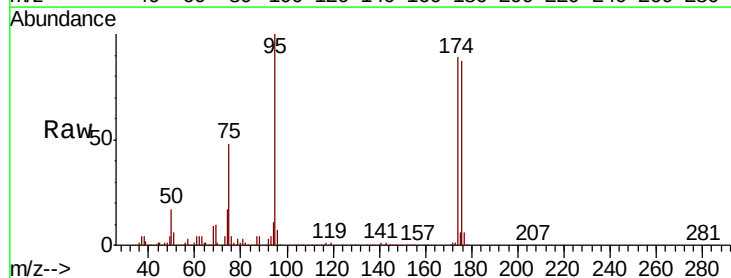
Instrument :  
 MSVOA\_N  
 ClientSampleId :

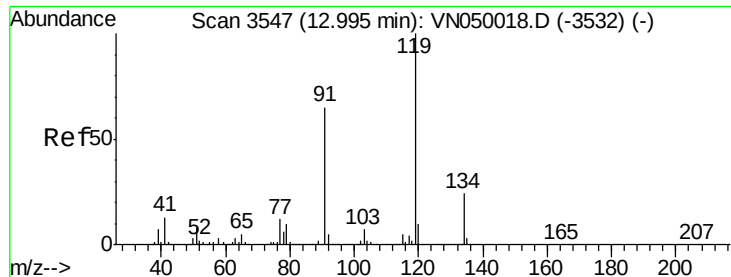
Tot Ion: 91 Resp: 32107  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 17.6 52.8#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 96.31 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.10 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

Tgt Ion: 75 Resp: 207277  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 73.5 110.3#  
 89 0.0 36.0 54.0#

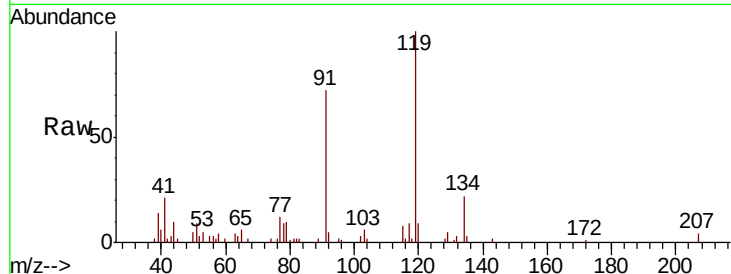




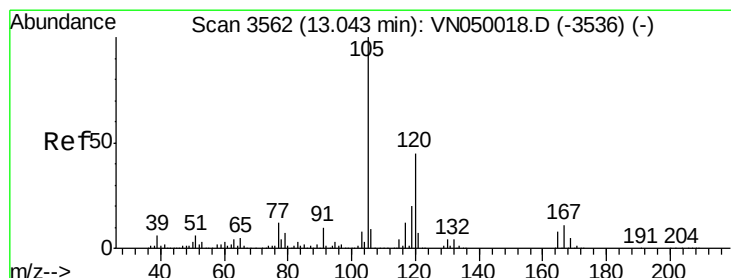
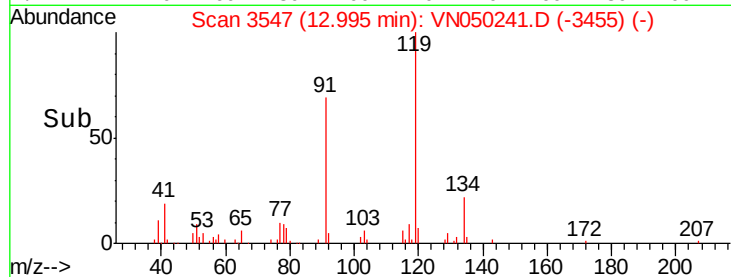
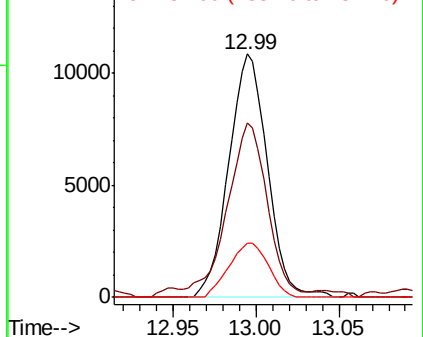
#83  
 tert-Butylbenzene  
 Concen: 0.90 ug/l  
 RT: 12.99 min Scan# 3547  
 Delta R.T. -0.00 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion:119 Resp: 17589  
 Ion Ratio Lower Upper  
 119 100  
 91 68.3 32.1 96.3  
 134 22.8 13.2 39.5

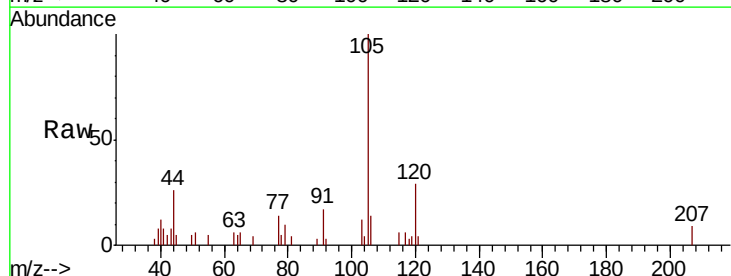


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

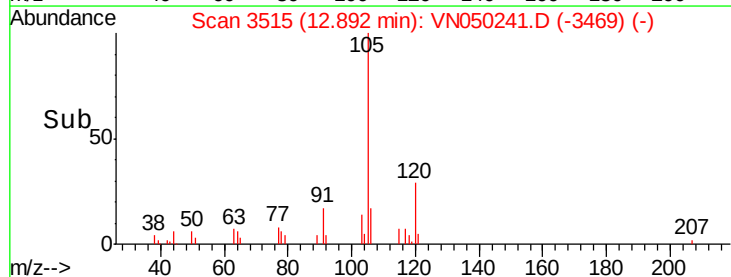
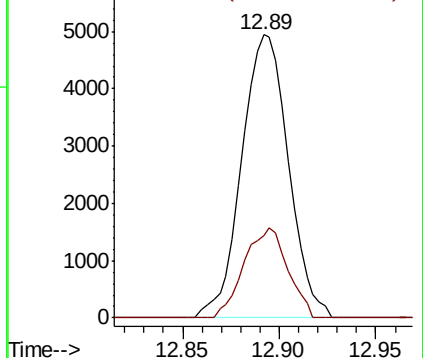


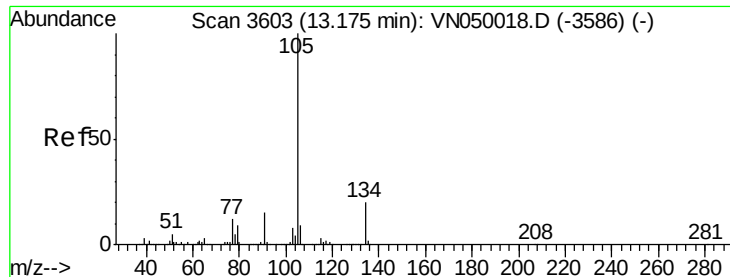
#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.37 ug/l  
 RT: 12.89 min Scan# 3515  
 Delta R.T. -0.15 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

Tgt Ion:105 Resp: 8308  
 Ion Ratio Lower Upper  
 105 100  
 120 29.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.11 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

Instrument :

MSVOA\_N

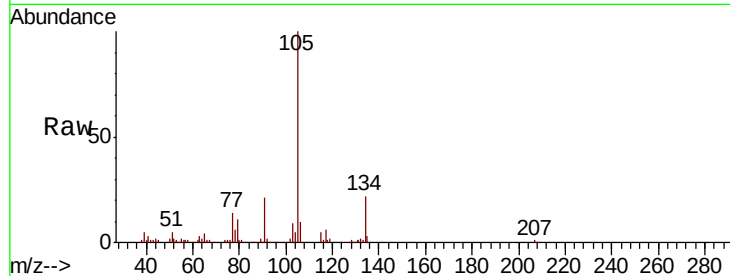
ClientSampleId :

Tot Ion:105 Resp: 107339

Ion Ratio Lower Upper

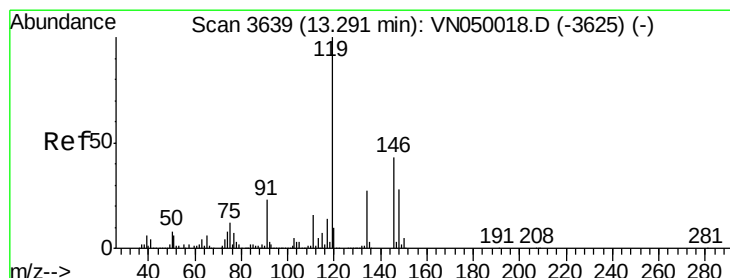
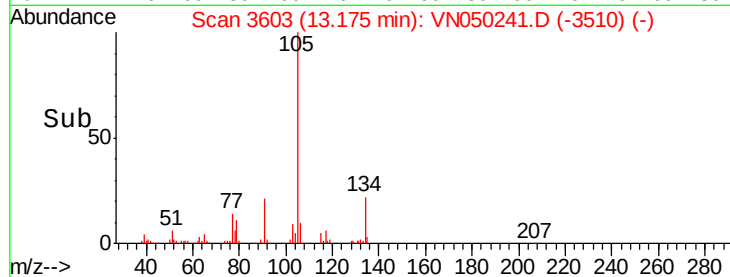
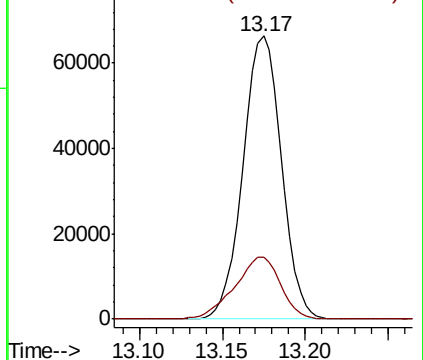
105 100

134 26.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.00 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

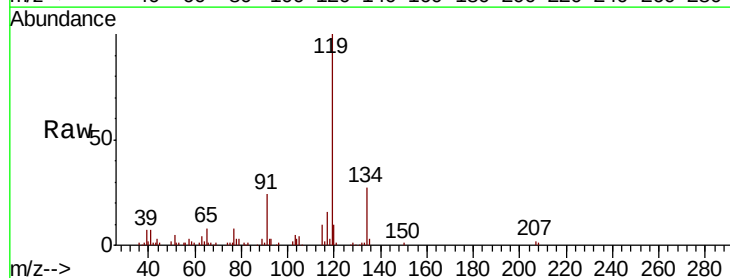
Tgt Ion:119 Resp: 66160

Ion Ratio Lower Upper

119 100

134 27.8 13.3 39.8

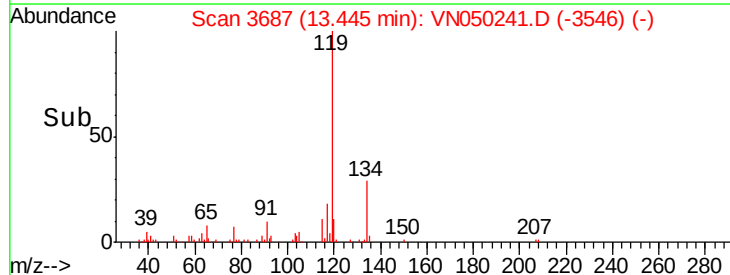
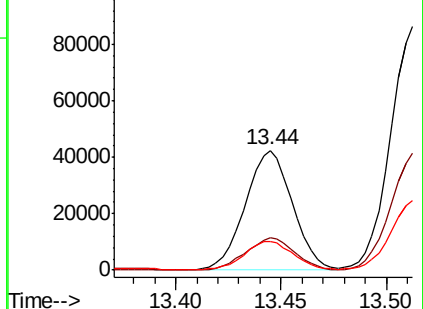
91 24.1 11.4 34.2

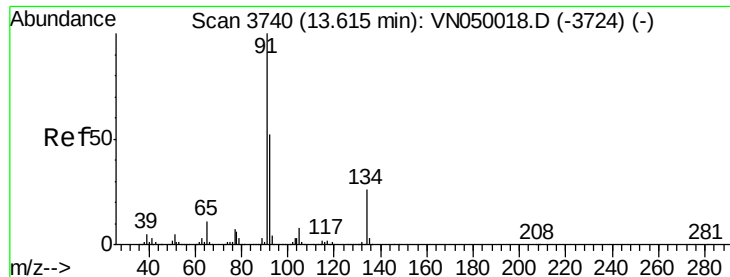


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.65 ug/l

RT: 13.59 min Scan# 3733

Delta R.T. -0.03 min

Lab File: VN050241.D

Acq: 1 Aug 2018 11:50

Instrument :

MSVOA\_N

ClientSampleId :

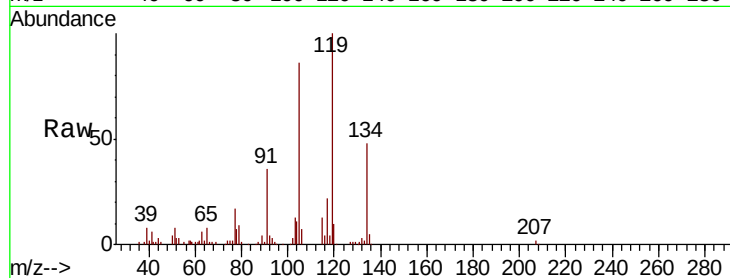
Tot Ion: 91 Resp: 11694

Ion Ratio Lower Upper

91 100

92 0.0 25.8 77.4#

134 290.9 12.8 38.4#

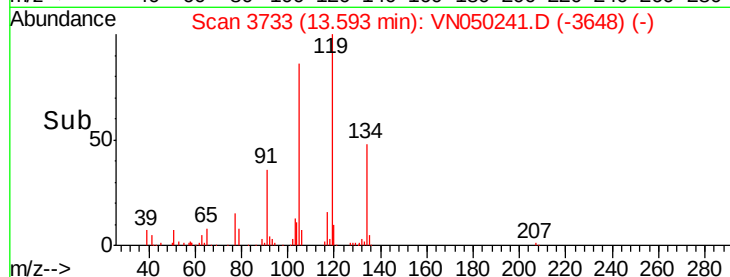


Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)

Time-->

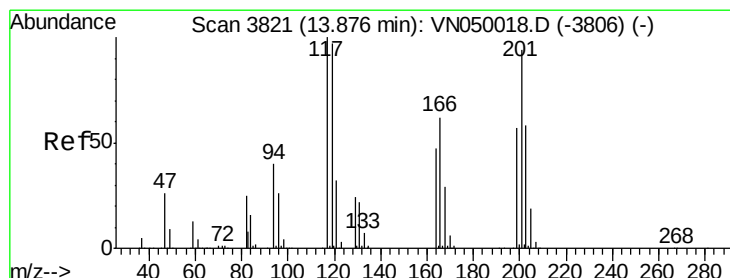


Abundance Ion 91.00 (90.70 to 91.70): VN050241.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN050241.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN050241.D (-3648) (-)

Time-->



#90

Hexachloroethane

Concen: 10.61 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050241.D

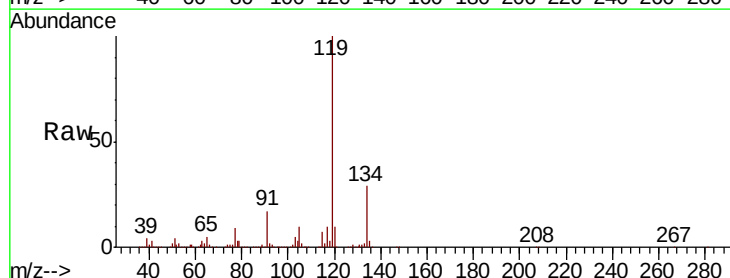
Acq: 1 Aug 2018 11:50

Tgt Ion: 117 Resp: 51871

Ion Ratio Lower Upper

117 100

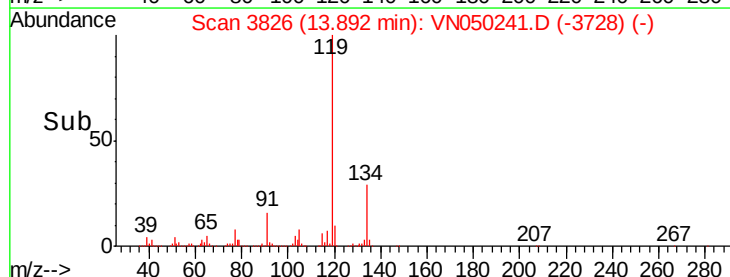
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)

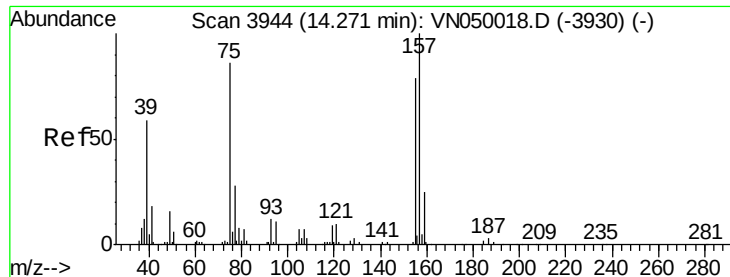
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN050241.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050241.D (-3728) (-)

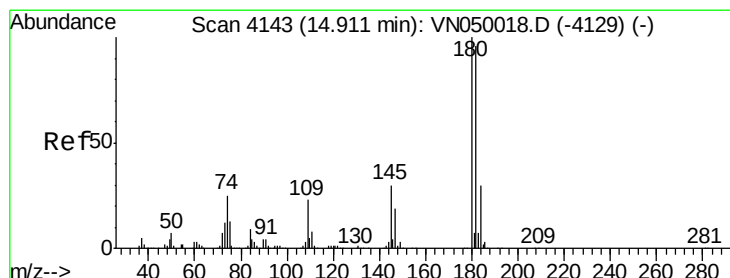
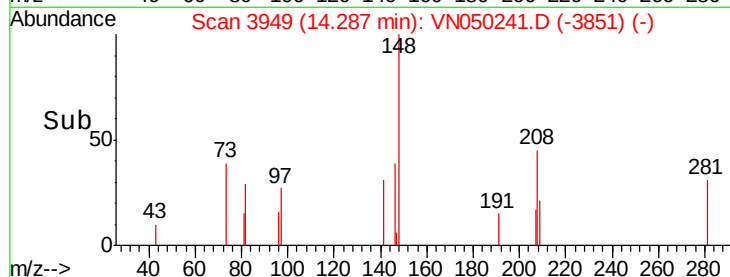
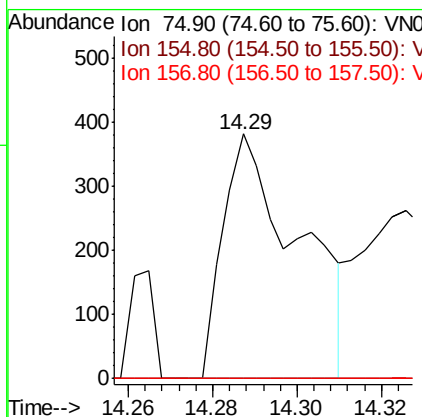
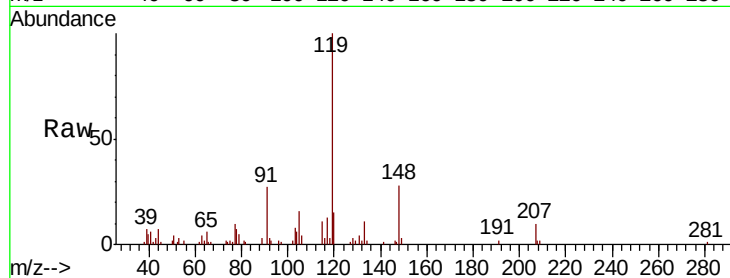
Time-->



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: Below Cal  
 RT: 14.29 min Scan# 3949  
 Delta R.T. 0.02 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

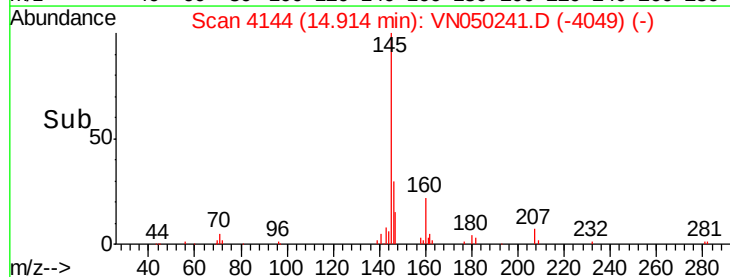
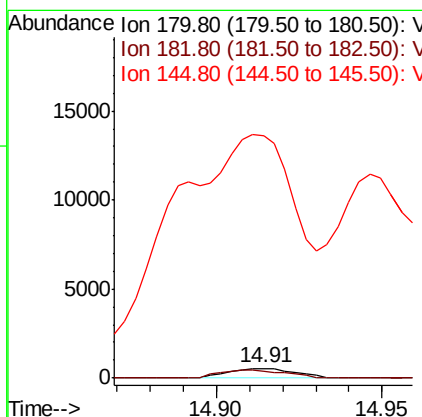
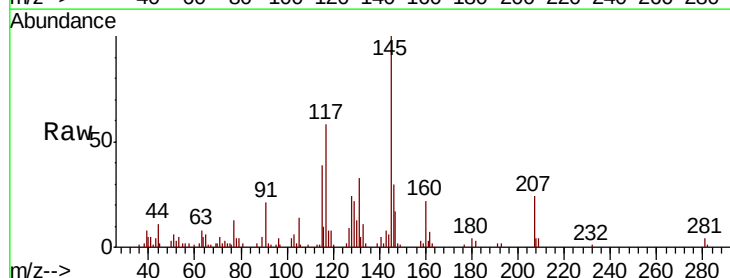
Instrument :  
 MSVOA\_N  
 ClientSampled :

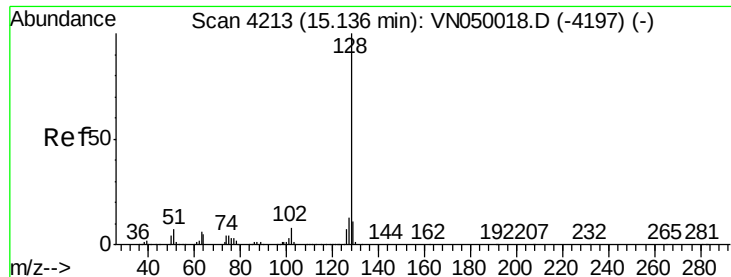
Tot Ion: 75 Resp: 475  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 44.8 134.4#  
 157 0.0 57.2 171.6#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.19 ug/l  
 RT: 14.91 min Scan# 4144  
 Delta R.T. 0.00 min  
 Lab File: VN050241.D  
 Acq: 1 Aug 2018 11:50

Tgt Ion: 180 Resp: 759  
 Ion Ratio Lower Upper  
 180 100  
 182 86.2 46.7 140.1  
 145 4538.1 13.8 41.4#

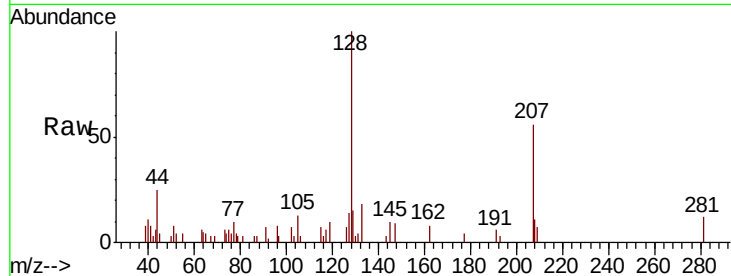




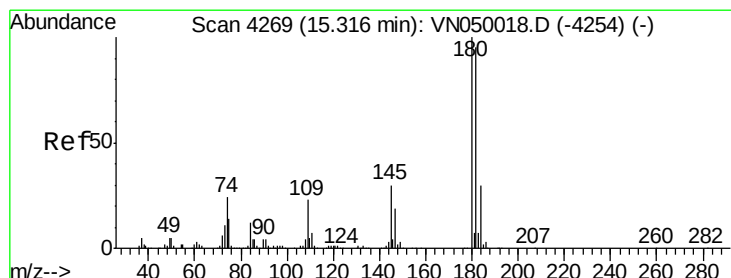
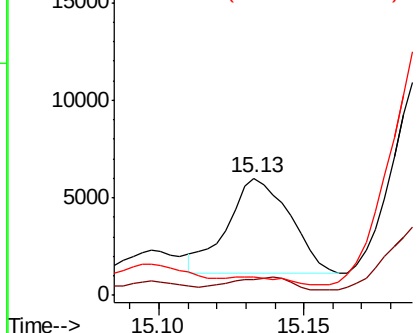
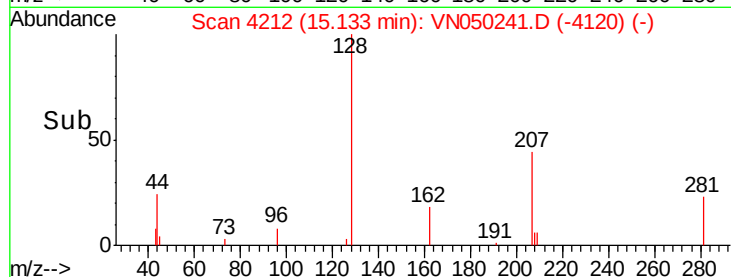
#95  
Naphthalene  
Concen: 4.81 ug/l  
RT: 15.13 min Scan# 4212  
Delta R.T. -0.00 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:128 Resp: 7291  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.4 15.6  
129 0.0 8.8 13.2#

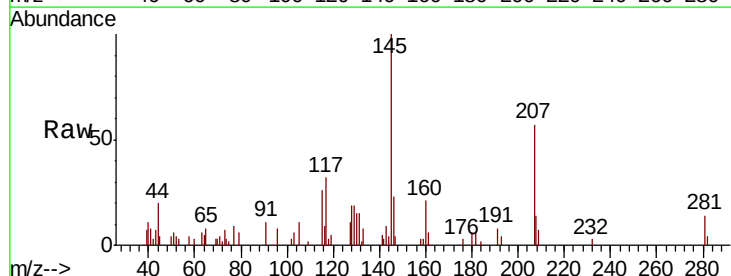


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 2.28 ug/l  
RT: 15.32 min Scan# 4270  
Delta R.T. 0.00 min  
Lab File: VN050241.D  
Acq: 1 Aug 2018 11:50

Tgt Ion:180 Resp: 568  
Ion Ratio Lower Upper  
180 100  
182 92.6 48.1 144.4  
145 7122.0 15.3 45.9#



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

