

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\  
 Data File : VN057073.D  
 Acq On : 5 Aug 2019 11:08  
 Operator : JC/SP  
 Sample : K4142-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 06 01:07:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 01:33:29 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 584594   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 833105   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 680334   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 184361   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 280253   | 46.83 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.66% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 256658   | 48.12 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.24% |          |
| 50) Toluene-d8              | 10.08 | 98   | 970067   | 47.70 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.40% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 254063   | 38.37 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 76.74% |          |

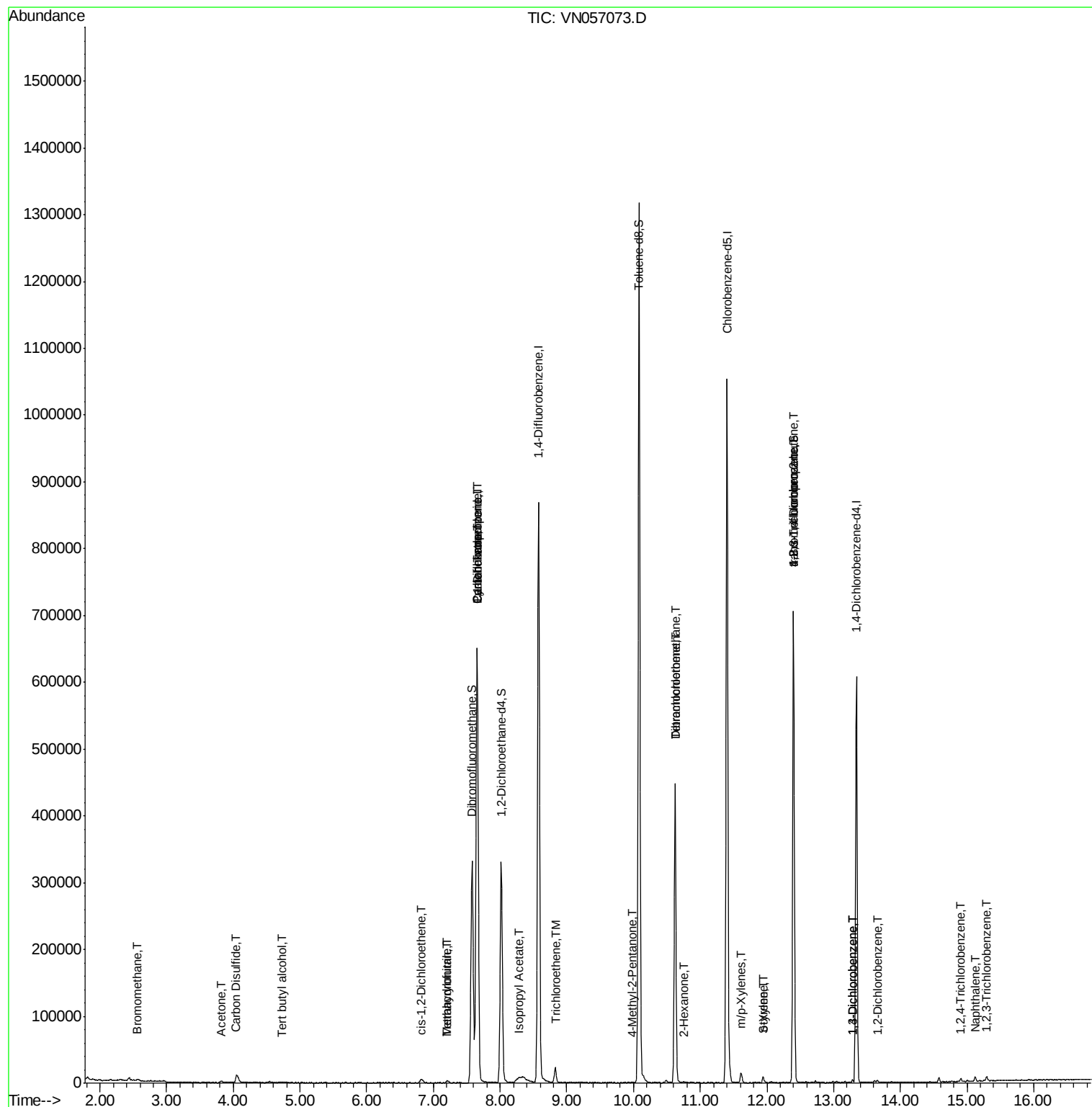
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 2.56  | 94   | 1904     | 0.462     | ug/l   | 93     |
| 11) Tert butyl alcohol         | 4.73  | 59   | 672      | 0.831     | ug/l # | 74     |
| 16) Acetone                    | 3.81  | 43   | 4363     | 2.013     | ug/l   | 95     |
| 17) Carbon Disulfide           | 4.03  | 76   | 2824     | 0.207     | ug/l # | 75     |
| 27) cis-1,2-Dichloroethene     | 6.82  | 96   | 3165     | 0.490     | ug/l   | 70     |
| 29) Tetrahydrofuran            | 7.20  | 42   | 919      | 0.458     | ug/l # | 79     |
| 31) Cyclohexane                | 7.65  | 56   | 9019     | 0.917     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.65  | 75   | 36080    | 4.922     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.65  | 117  | 49987    | 7.209     | ug/l # | 17     |
| 41) Methacrylonitrile          | 7.20  | 41   | 1010     | 0.372     | ug/l # | 23     |
| 43) Isopropyl Acetate          | 8.27  | 43   | 6420     | 0.662     | ug/l # | 52     |
| 44) Trichloroethene            | 8.82  | 130  | 9146     | 1.470     | ug/l   | 97     |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1211     | 0.210     | ug/l # | 34     |
| 59) 2-Hexanone                 | 10.76 | 43   | 1551     | 2.846     | ug/l   | 73     |
| 60) Dibromochloromethane       | 10.63 | 129  | 100717   | 18.070    | ug/l # | 11     |
| 64) Tetrachloroethene          | 10.63 | 164  | 118355   | 20.188    | ug/l   | 99     |
| 68) m/p-Xylenes                | 11.62 | 106  | 5853     | 0.662     | ug/l   | 94     |
| 69) o-Xylene                   | 11.94 | 106  | 2642     | 0.305     | ug/l   | 98     |
| 70) Styrene                    | 11.96 | 104  | 738      | 1.913     | ug/l # | 59     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 116744   | 31.181    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 116744   | 100.184   | ug/l # | 15     |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1293     | 0.204     | ug/l   | 87     |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 1293     | 0.212     | ug/l   | 87     |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1763     | 0.283     | ug/l   | 97     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 2336     | 3.399     | ug/l   | 92     |
| 94) Hexachlorobutadiene        | 15.00 | 225  | 391      | Below Cal |        | 92     |
| 95) Naphthalene                | 15.12 | 128  | 6128     | 4.314     | ug/l # | 96     |
| 96) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 2711     | 2.851     | ug/l   | 87     |

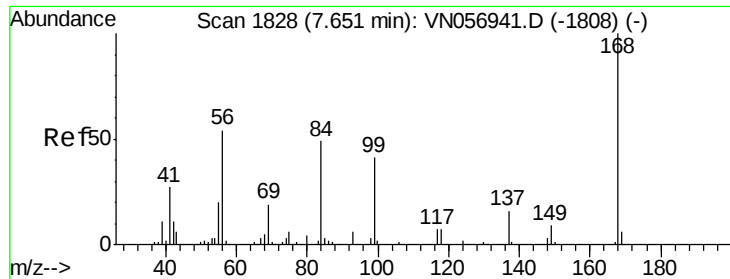
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080519\  
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ClientSampleId :

Quant Time: Aug 06 01:07:55 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072719W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 27 01:33:29 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

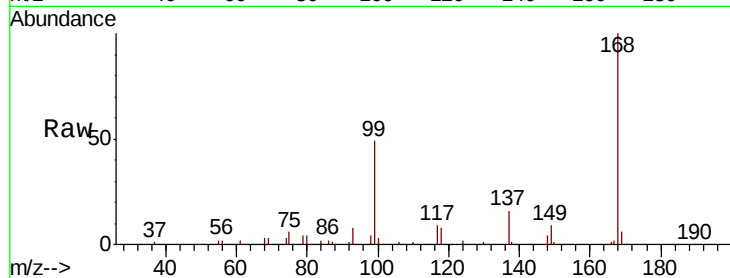
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 584594

Ion Ratio Lower Upper

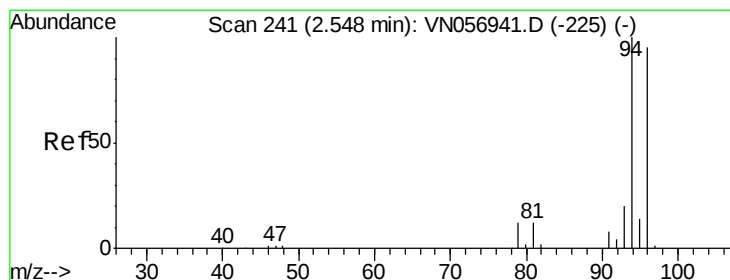
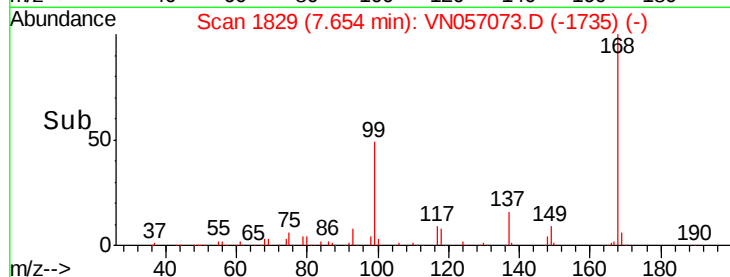
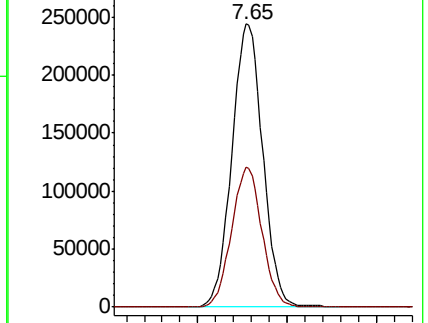
168 100

99 49.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#5

Bromomethane

Concen: 0.462 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN057073.D

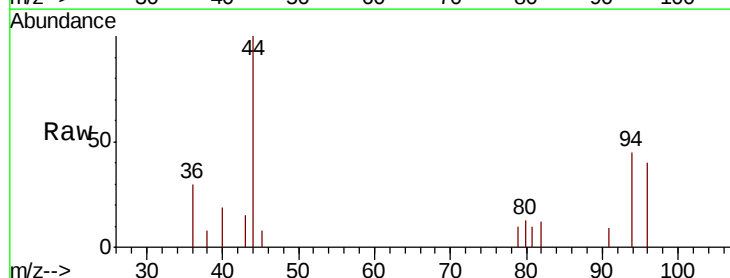
Acq: 5 Aug 2019 11:08

Tgt Ion: 94 Resp: 1904

Ion Ratio Lower Upper

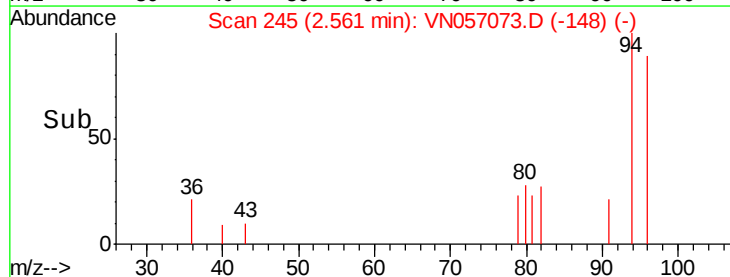
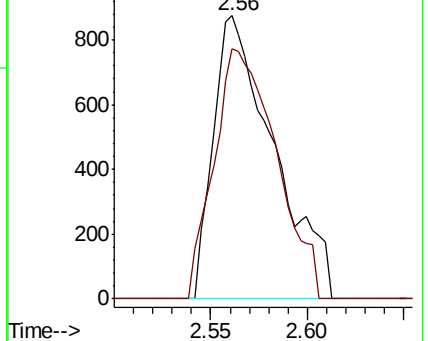
94 100

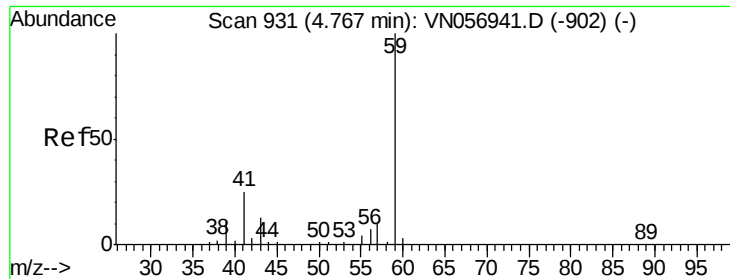
96 88.6 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

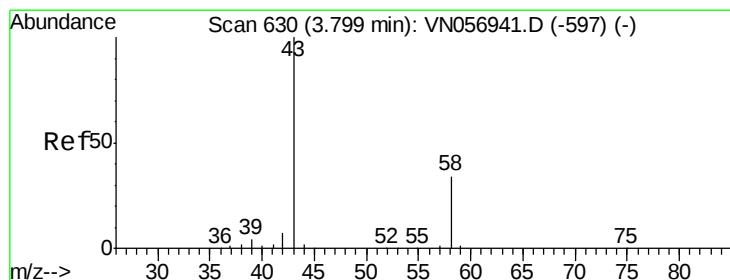
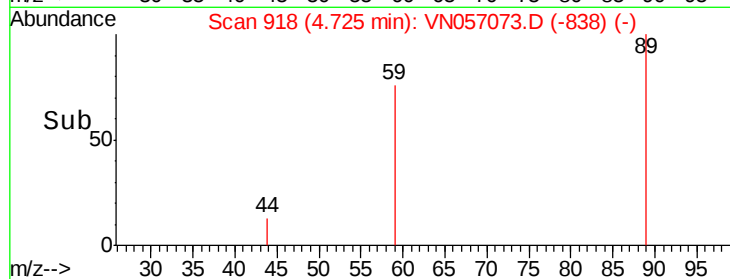
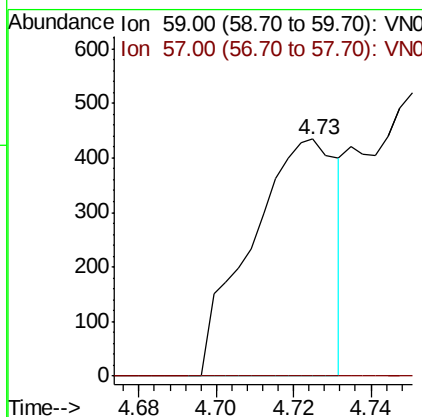
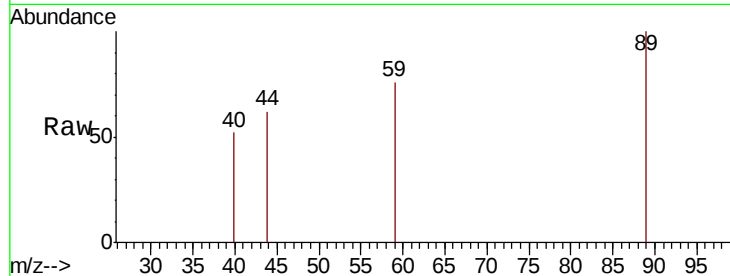




#11  
Tert butyl alcohol  
Concen: 0.831 ug/l  
RT: 4.73 min Scan# 918  
Delta R.T. -0.04 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

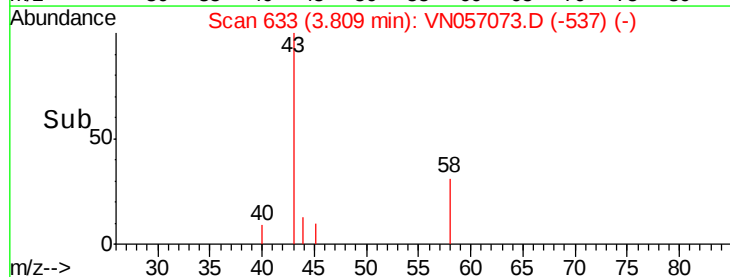
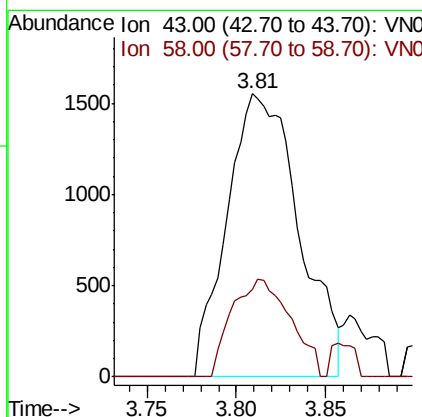
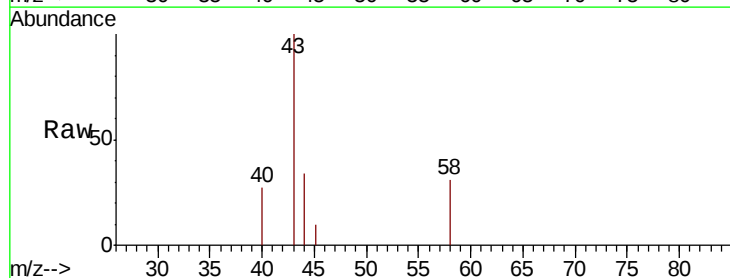
Instrument :  
MSVOA\_N  
ClientSampled :

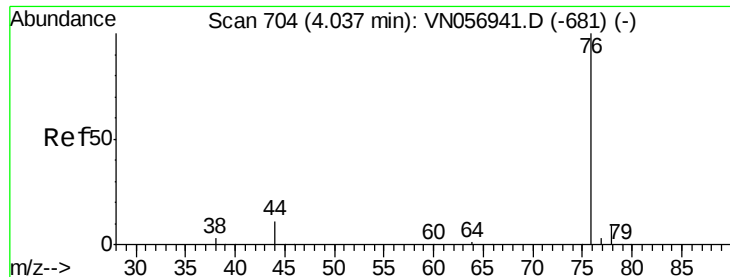
Tot Ion: 59 Resp: 672  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.5 11.3#



#16  
Acetone  
Concen: 2.013 ug/l  
RT: 3.81 min Scan# 633  
Delta R.T. 0.01 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

Tgt Ion: 43 Resp: 4363  
Ion Ratio Lower Upper  
43 100  
58 31.1 27.2 40.8

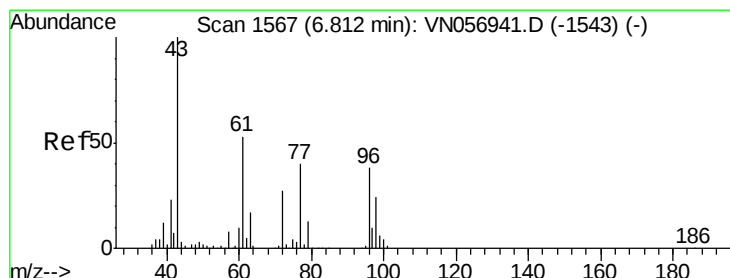
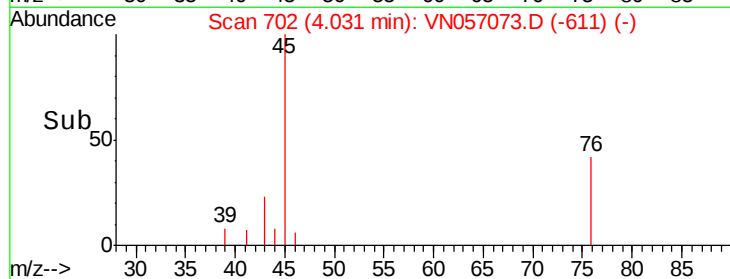
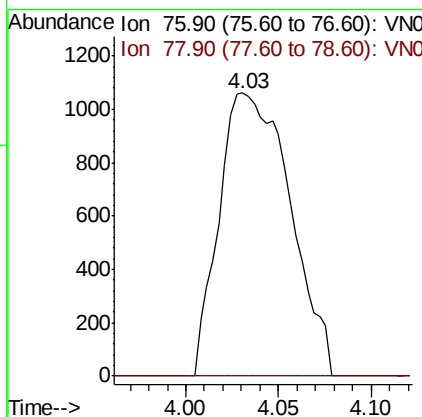
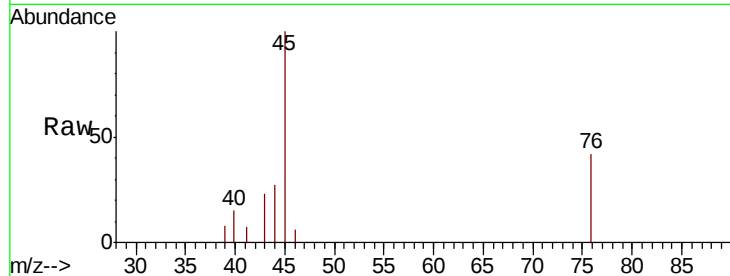




#17  
Carbon Disulfide  
Concen: 0.207 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. -0.01 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

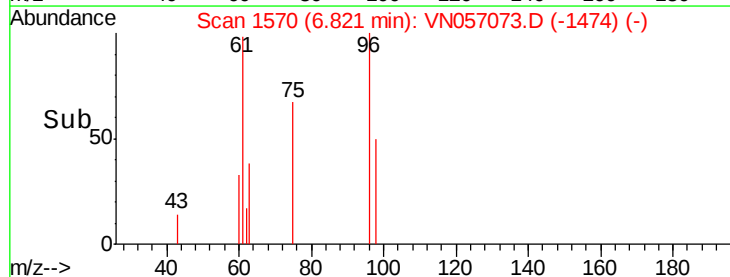
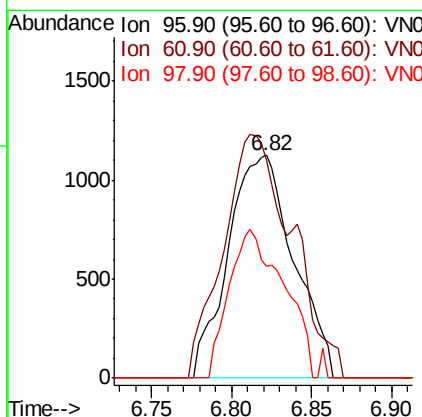
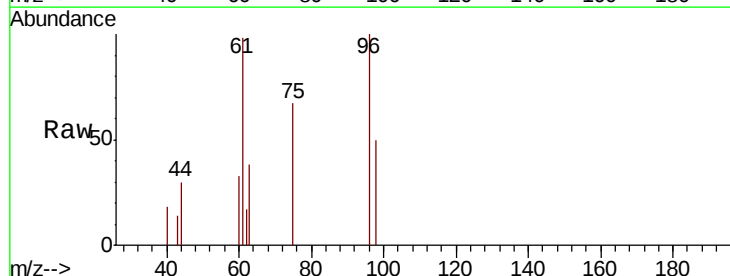
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MSVOA\_N  
ClientSampled :

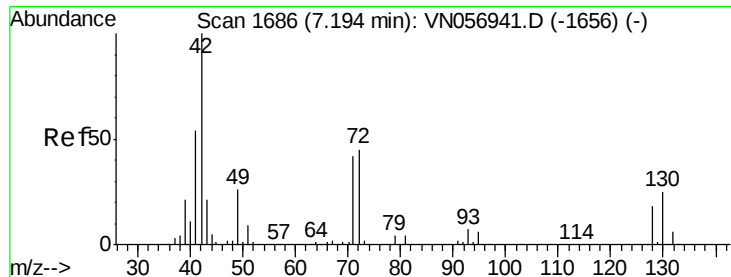
Tot Ion: 76 Resp: 2824  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#27  
cis-1,2-Dichloroethene  
Concen: 0.490 ug/l  
RT: 6.82 min Scan# 1570  
Delta R.T. 0.01 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

Tgt Ion: 96 Resp: 3165  
Ion Ratio Lower Upper  
96 100  
61 91.2 0.0 277.2  
98 55.6 0.0 128.4

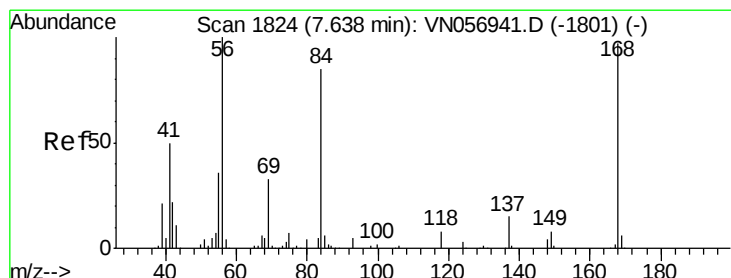
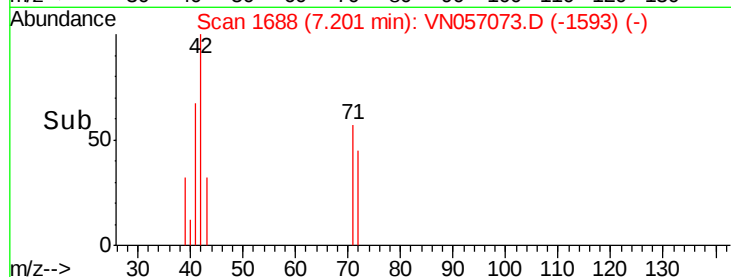
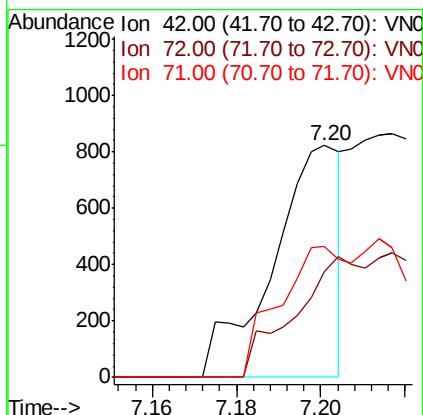
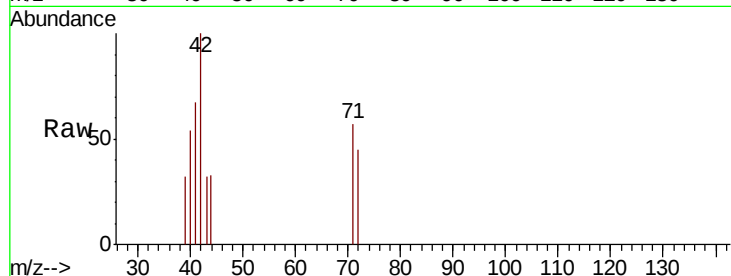




#29  
Tetrahydrofuran  
Concen: 0.458 ug/l  
RT: 7.20 min Scan# 1688  
Delta R.T. 0.01 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

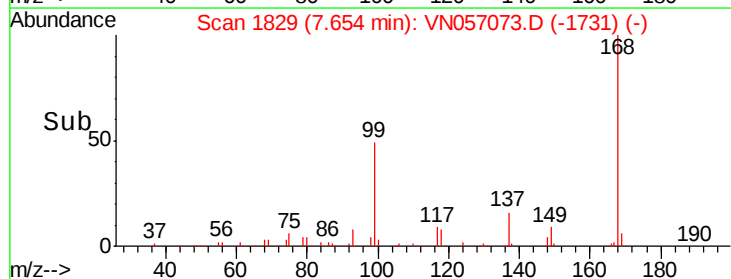
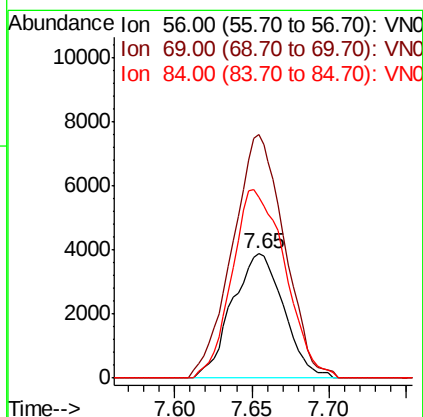
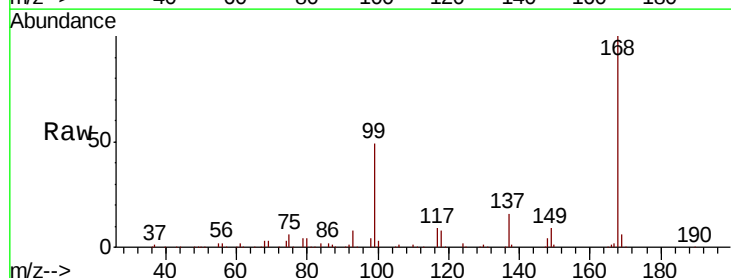
Instrument :  
MSVOA\_N  
ClientSampled :

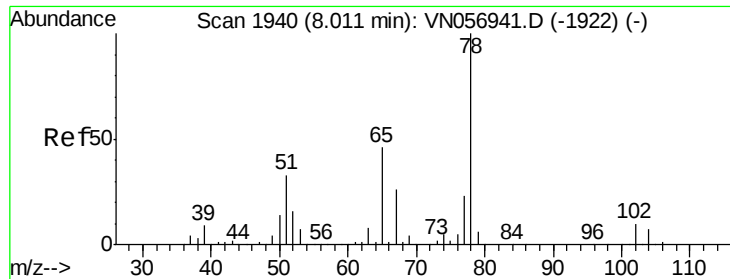
Tot Ion: 42 Resp: 919  
Ion Ratio Lower Upper  
42 100  
72 54.4 35.6 53.4#  
71 59.3 33.5 50.3#



#31  
Cyclohexane  
Concen: 0.917 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.02 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

Tgt Ion: 56 Resp: 9019  
Ion Ratio Lower Upper  
56 100  
69 195.8 26.2 39.2#  
84 145.2 68.2 102.2#

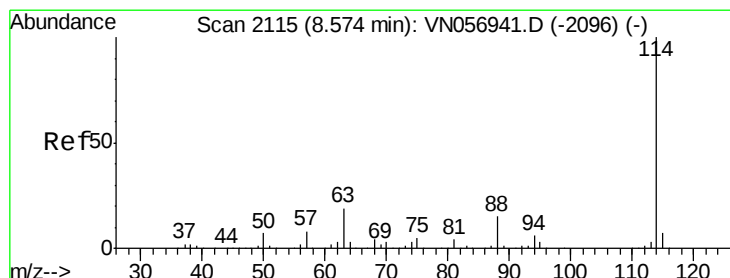
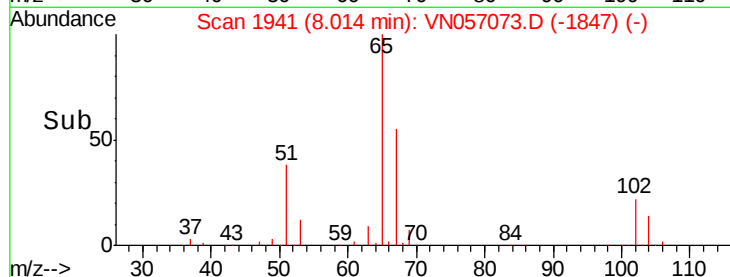
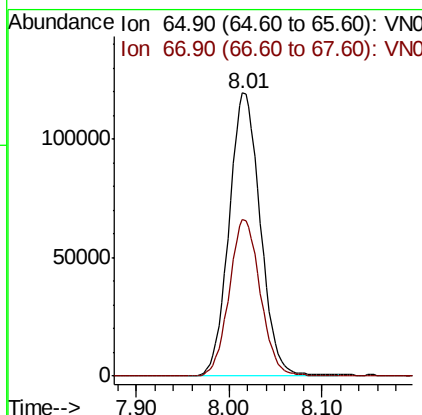
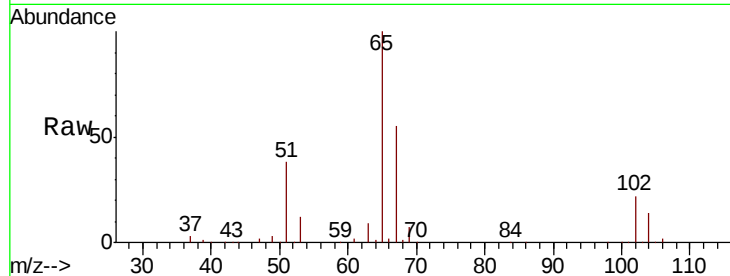




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.832 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN057073.D  
 Acq: 5 Aug 2019 11:08

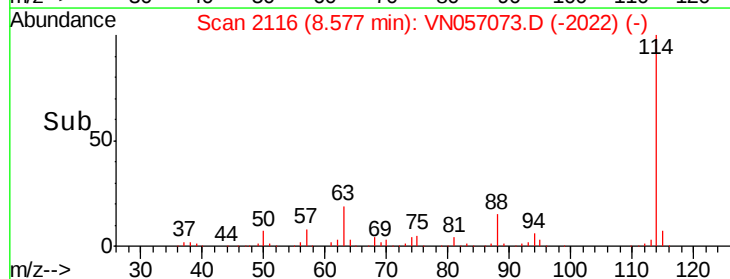
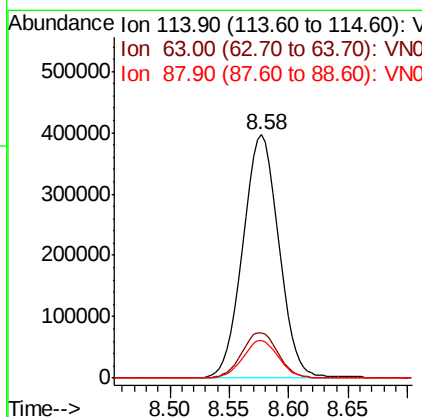
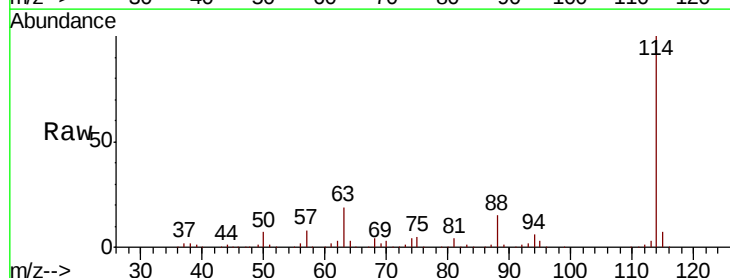
Instrument :  
 MSVOA\_N  
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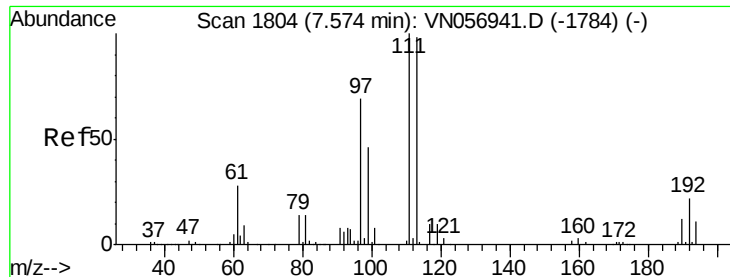
Tot Ion: 65 Resp: 280253  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 0.0 112.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057073.D  
 Acq: 5 Aug 2019 11:08

Tgt Ion: 114 Resp: 833105  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 38.0  
 88 15.5 0.0 30.0

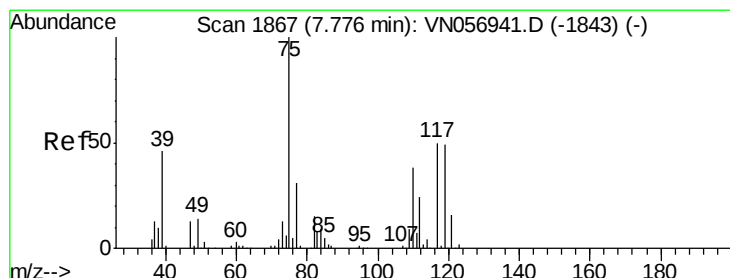
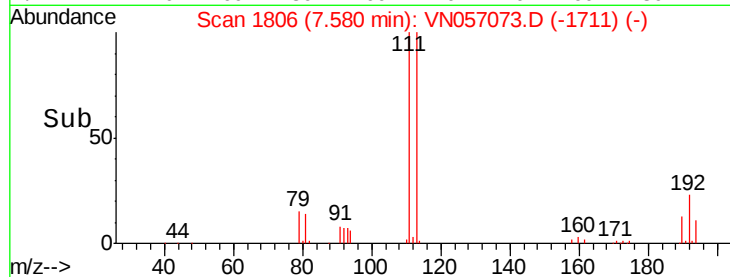
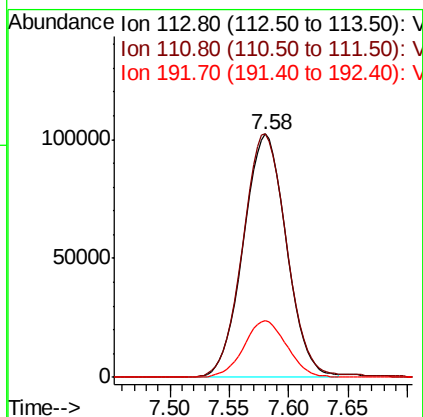
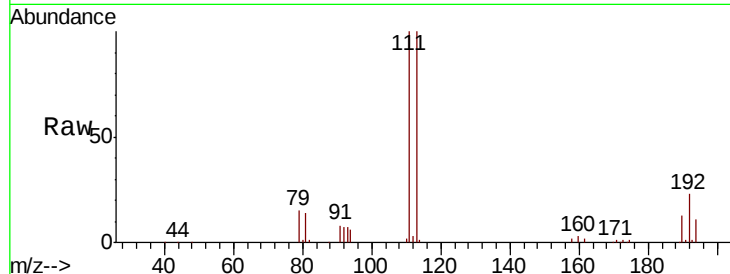




#35  
 Dibromofluoromethane  
 Concen: 48.124 ug/l  
 RT: 7.58 min Scan# 1806  
 Delta R.T. 0.01 min  
 Lab File: VN057073.D  
 Acq: 5 Aug 2019 11:08

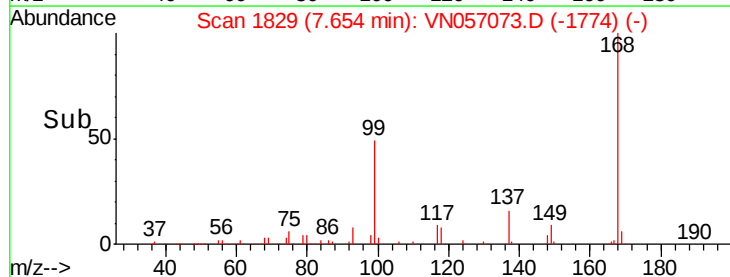
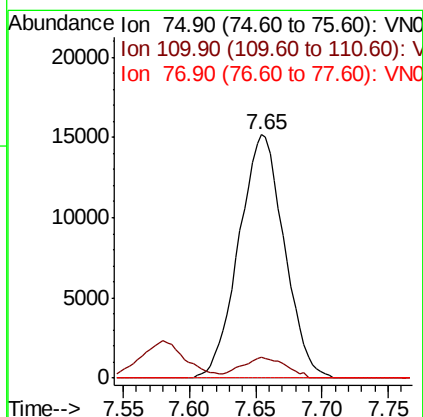
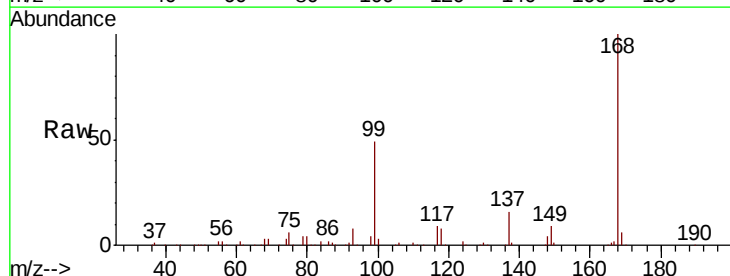
Instrument :  
 MSVOA\_N  
 ClientSampled :

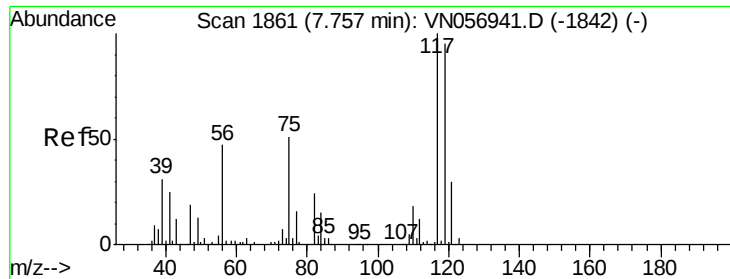
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 82.0  | 123.0 |
| 192     | 23.4  | 18.4  | 27.6  |



#36  
 1,1-Dichloropropene  
 Concen: 4.922 ug/l  
 RT: 7.65 min Scan# 1829  
 Delta R.T. -0.12 min  
 Lab File: VN057073.D  
 Acq: 5 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.2   | 18.6  | 55.8# |
| 77      | 0.0   | 25.2  | 37.8# |





#38

Carbon Tetrachloride

Concen: 7.209 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampled :

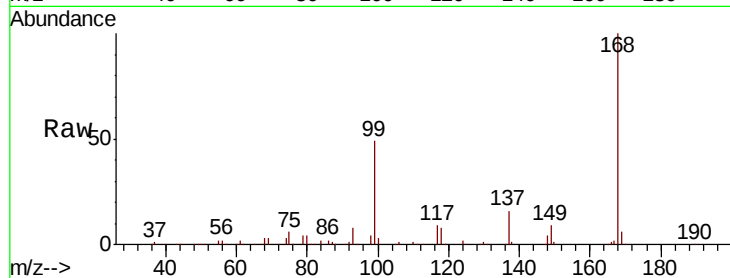
Tot Ion:117 Resp: 49987

Ion Ratio Lower Upper

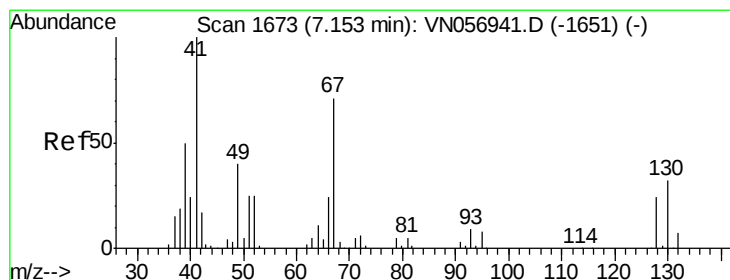
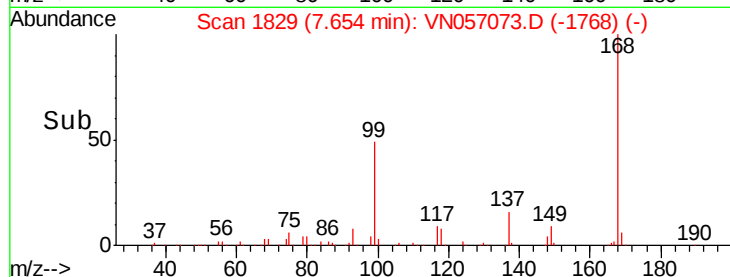
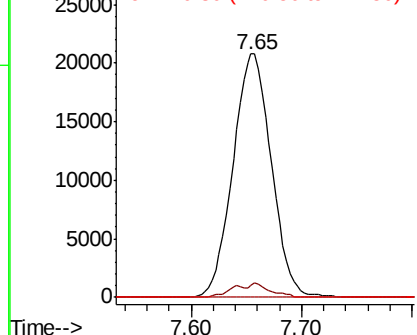
117 100

119 5.1 75.3 112.9#

121 0.0 24.2 36.4#



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



#41

Methacrylonitrile

Concen: 0.372 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.05 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

Tgt Ion: 41 Resp: 1010

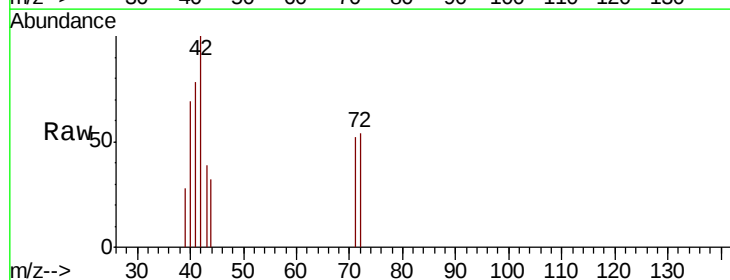
Ion Ratio Lower Upper

41 100

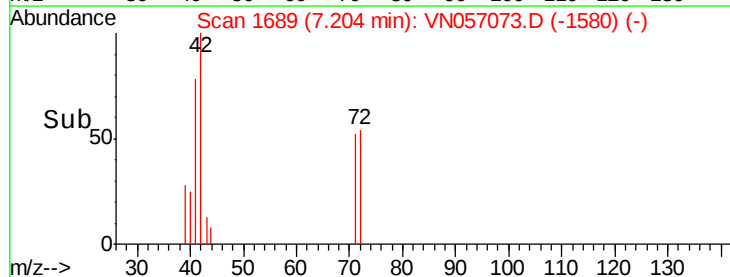
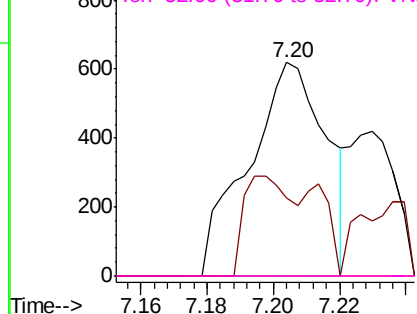
39 28.8 48.9 73.3#

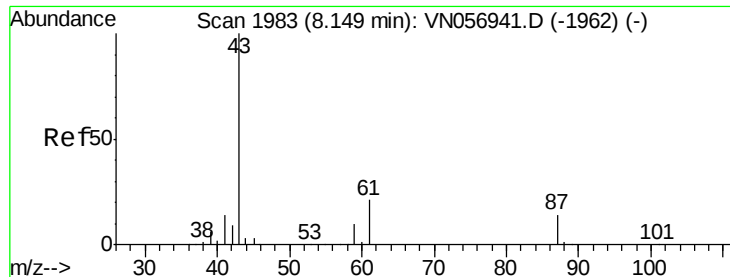
67 0.0 83.4 125.0#

52 0.0 30.9 46.3#



Abundance Ion 41.00 (40.70 to 41.70): V  
Ion 39.00 (38.70 to 39.70): V  
Ion 67.00 (66.70 to 67.70): V  
Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 0.662 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.13 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

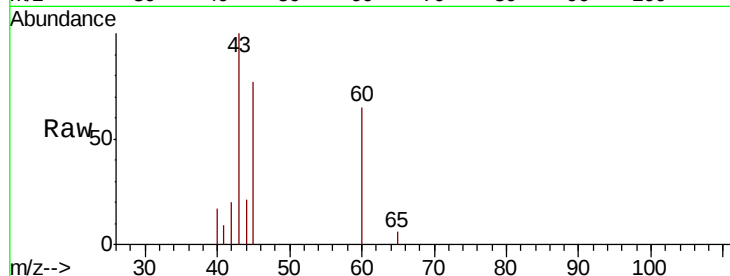
Tot Ion: 43 Resp: 6420

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

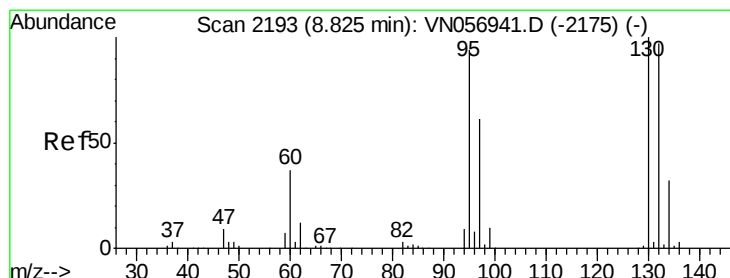
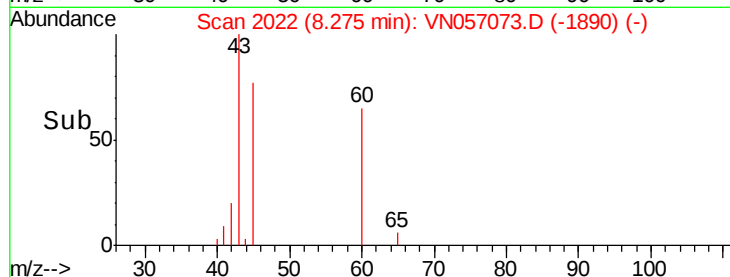
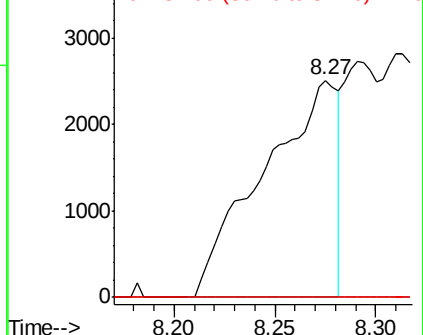
87 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 1.470 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057073.D

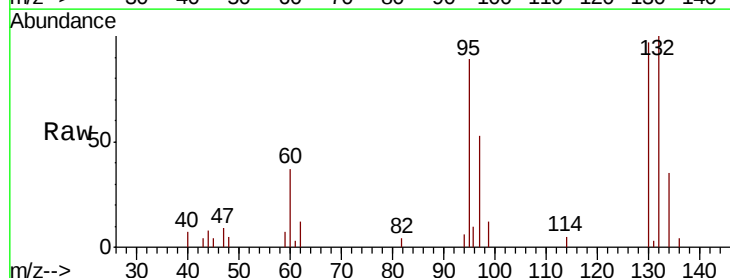
Acq: 5 Aug 2019 11:08

Tgt Ion: 130 Resp: 9146

Ion Ratio Lower Upper

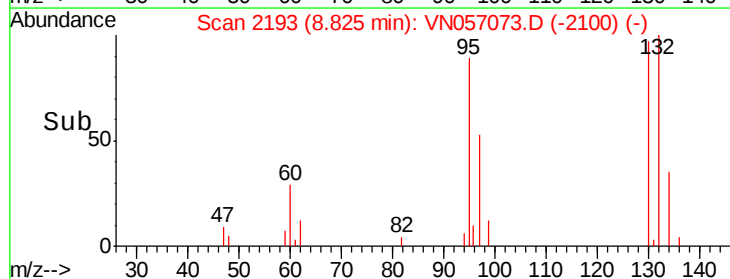
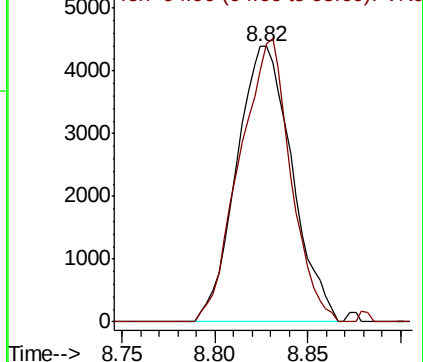
130 100

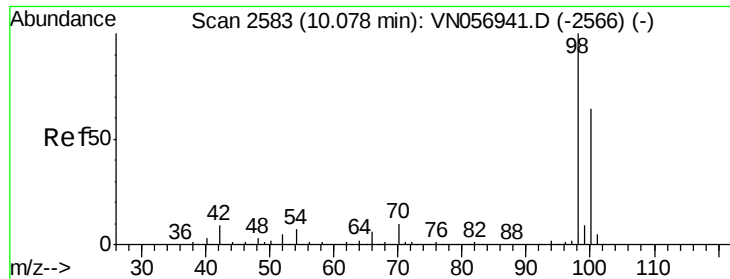
95 91.4 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

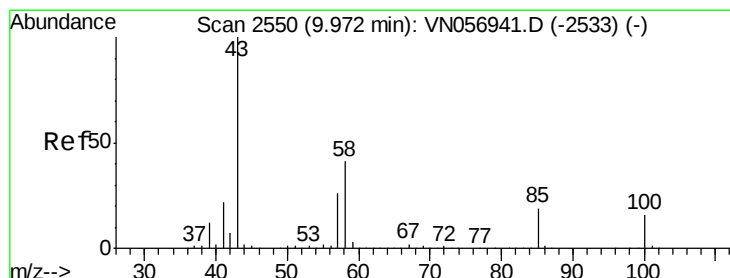
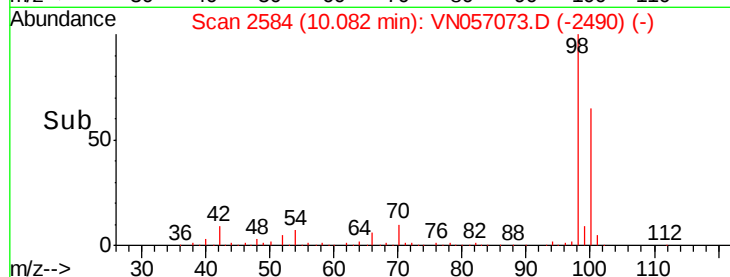
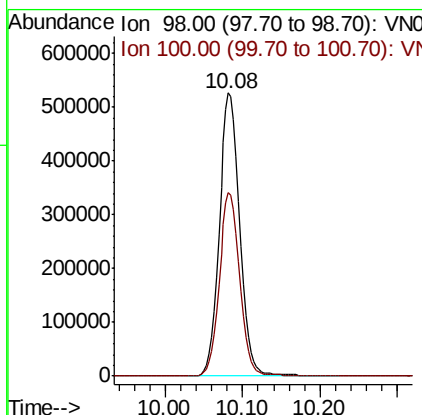
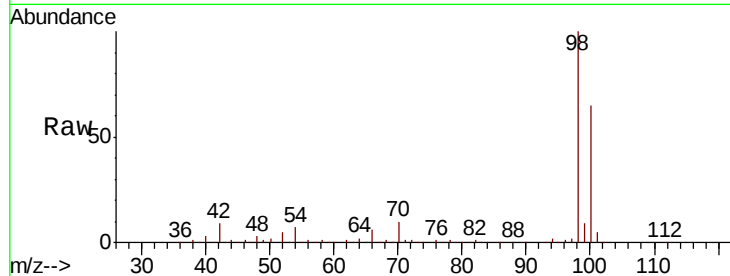




#50  
Toluene-d8  
Concen: 47.697 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. 0.00 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

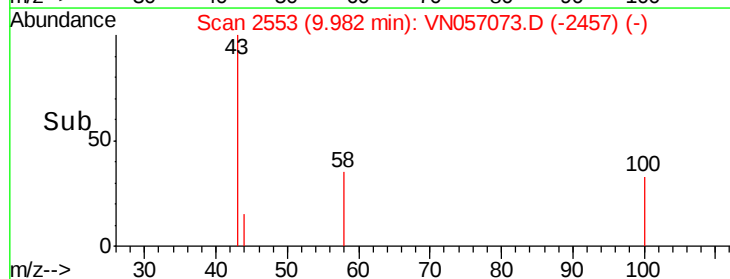
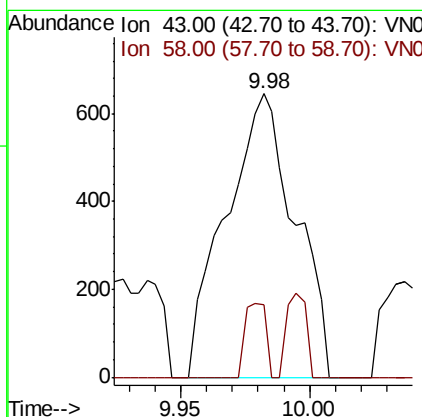
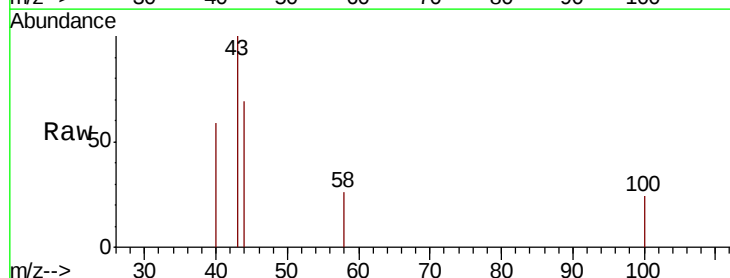
Instrument :  
MSVOA\_N  
ClientSampled :

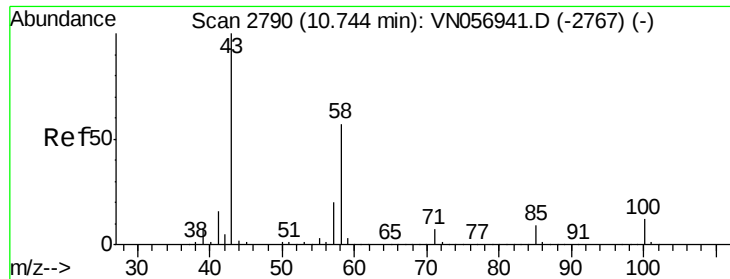
Tot Ion: 98 Resp: 970067  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.3 76.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.210 ug/l  
RT: 9.98 min Scan# 2553  
Delta R.T. 0.01 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

Tgt Ion: 43 Resp: 1211  
Ion Ratio Lower Upper  
43 100  
58 0.0 33.1 49.7#

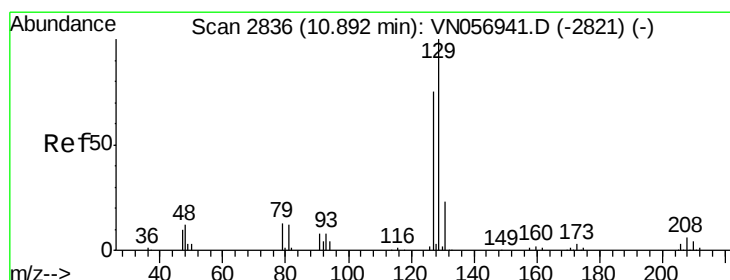
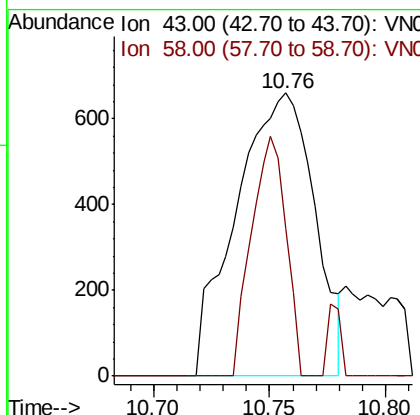
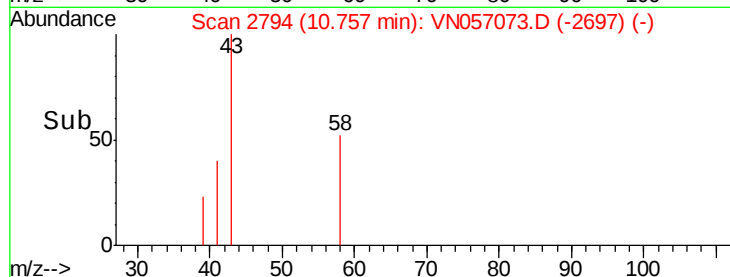
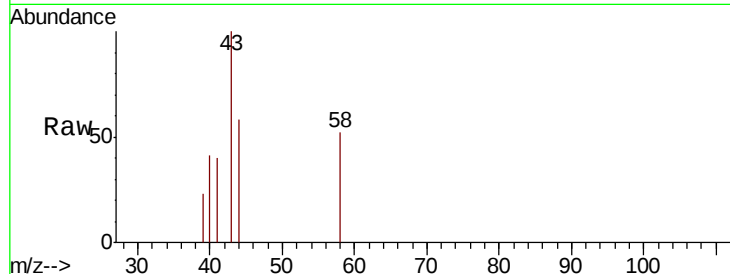




#59  
2-Hexanone  
Concen: 2.846 ug/l  
RT: 10.76 min Scan# 2794  
Delta R.T. 0.01 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

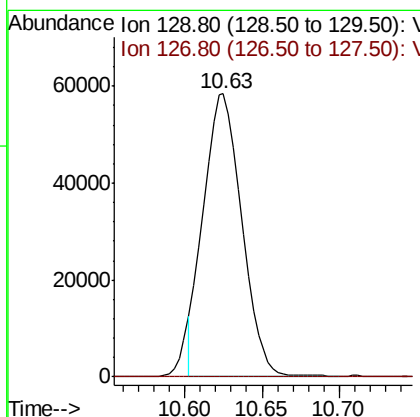
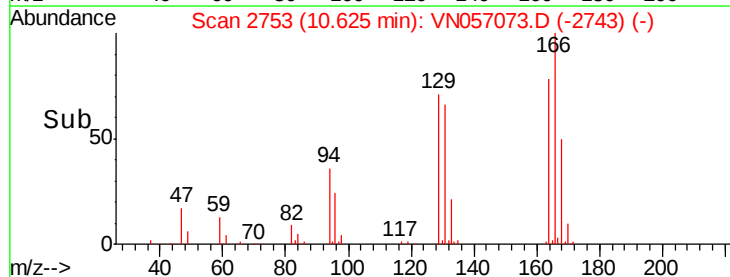
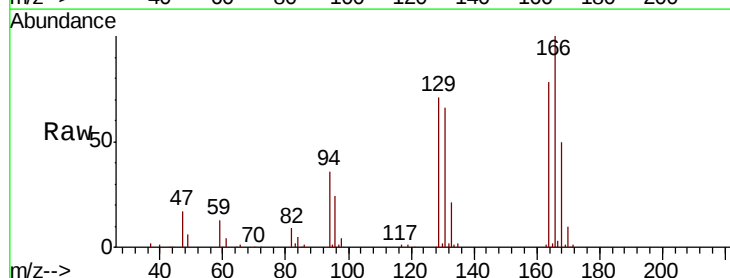
Instrument :  
MSVOA\_N  
ClientSampled :

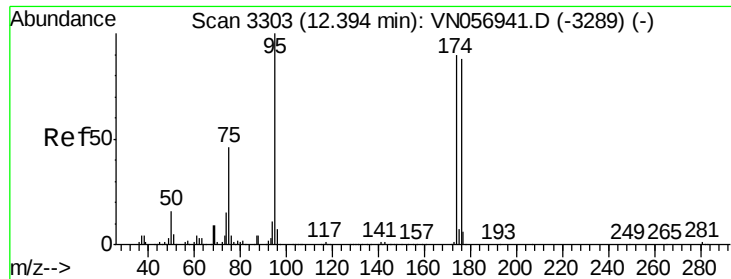
Tot Ion: 43 Resp: 1551  
Ion Ratio Lower Upper  
43 100  
58 37.3 28.5 85.5



#60  
Dibromochloromethane  
Concen: 18.070 ug/l  
RT: 10.63 min Scan# 2753  
Delta R.T. -0.27 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

Tgt Ion: 129 Resp: 100717  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.0 113.9#





#62

4-Bromofluorobenzene

Concen: 38.372 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

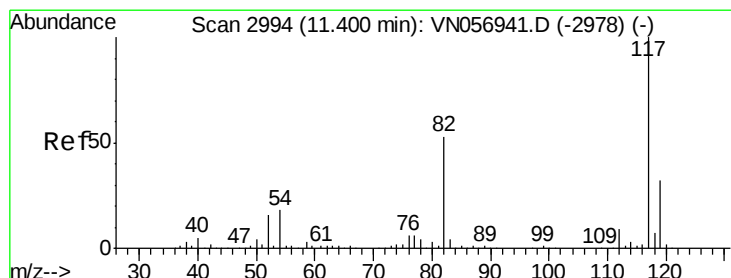
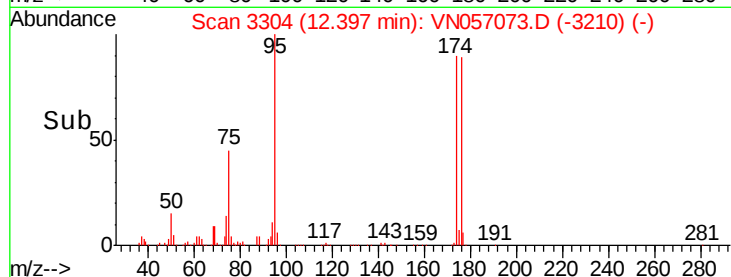
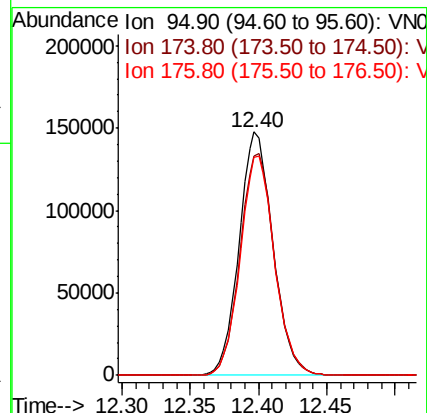
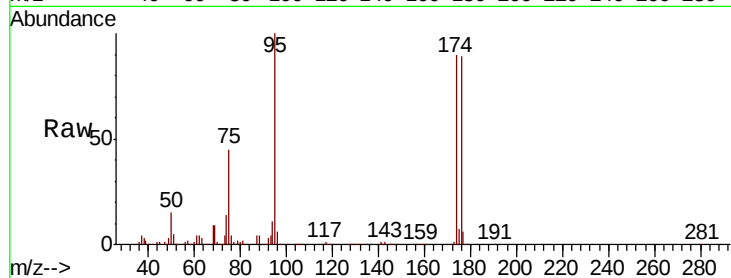
Tot Ion: 95 Resp: 254063

Ion Ratio Lower Upper

95 100

174 93.3 0.0 182.2

176 91.2 0.0 179.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

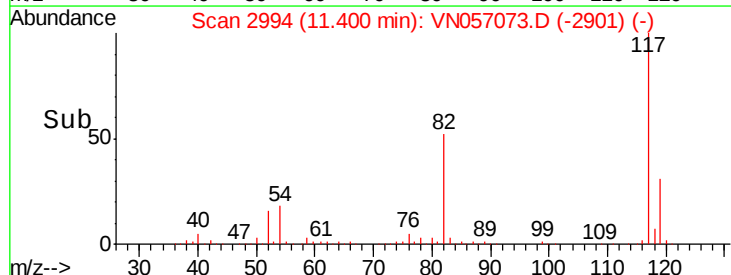
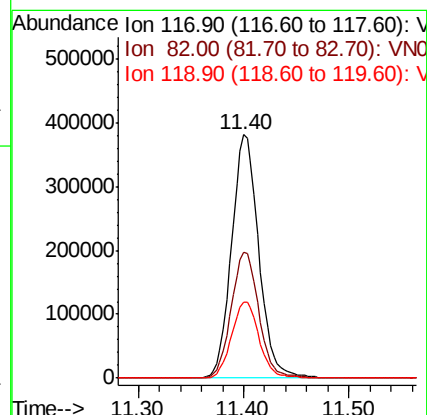
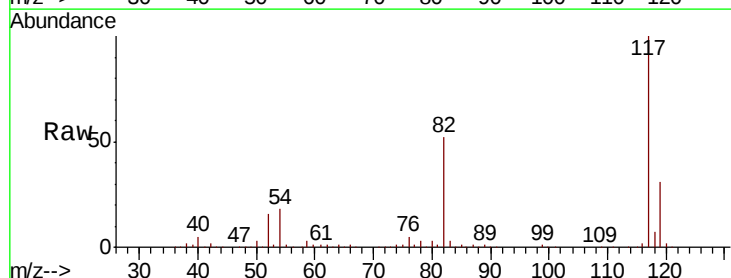
Tgt Ion: 117 Resp: 680334

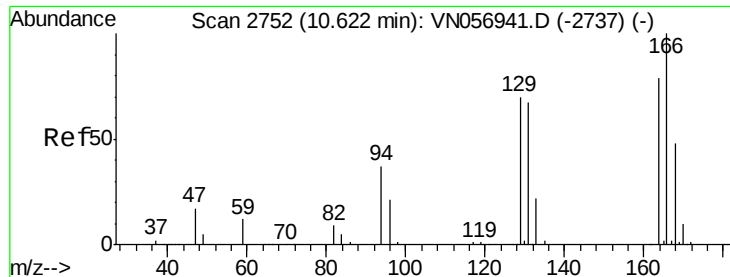
Ion Ratio Lower Upper

117 100

82 51.7 42.2 63.4

119 31.2 25.8 38.6

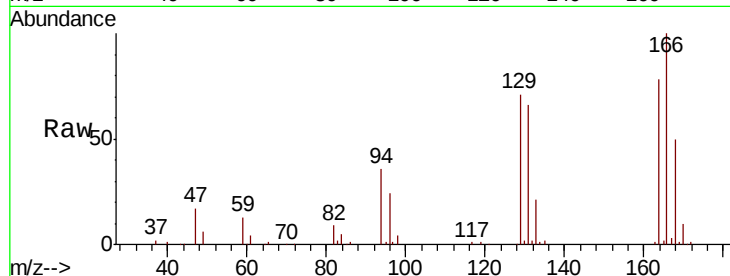




#64  
Tetrachloroethene  
Concen: 20.188 ug/l  
RT: 10.63 min Scan# 2753  
Delta R.T. 0.00 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :

| Tot Ion   | 164    | 166   | 129   | 131   |
|-----------|--------|-------|-------|-------|
| Resp:     | 118355 |       |       |       |
| Ion Ratio | 100    | 128.0 | 90.3  | 84.2  |
| Lower     |        | 101.1 | 70.9  | 67.7  |
| Upper     |        | 151.7 | 106.3 | 101.5 |



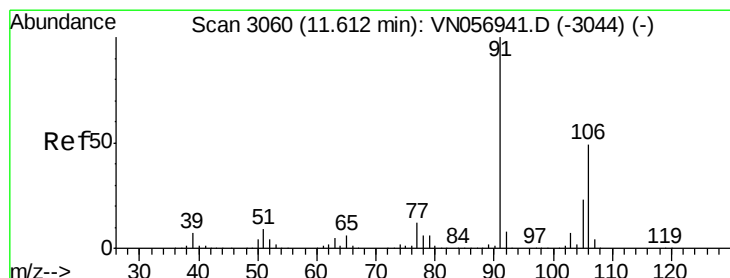
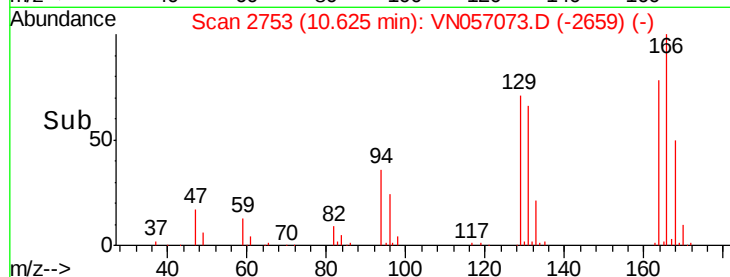
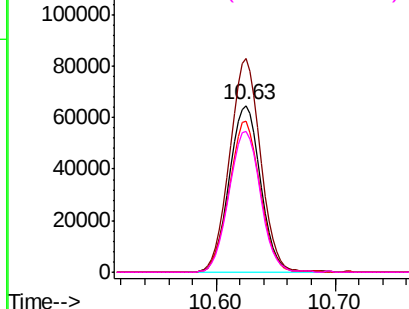
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

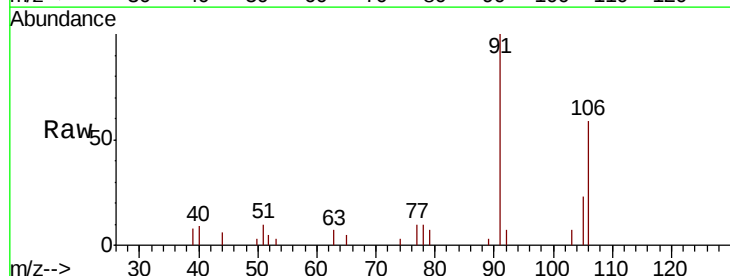
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68  
m/p-Xylenes  
Concen: 0.662 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. 0.00 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

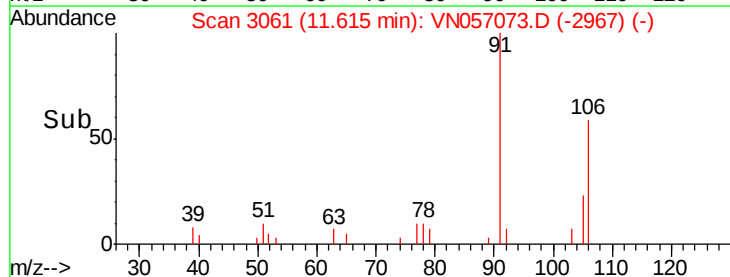
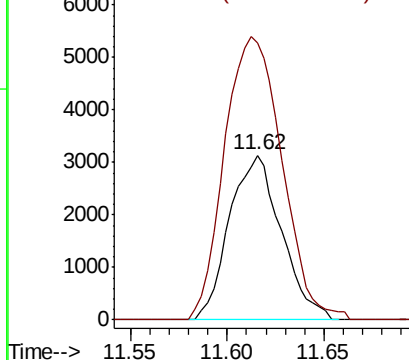
| Tgt Ion   | 106  | 91    |
|-----------|------|-------|
| Resp:     | 5853 |       |
| Ion Ratio | 100  | 191.0 |
| Lower     |      | 160.0 |
| Upper     |      | 240.0 |

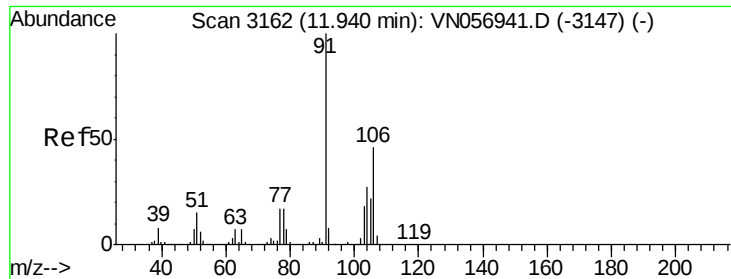


Abundance

Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

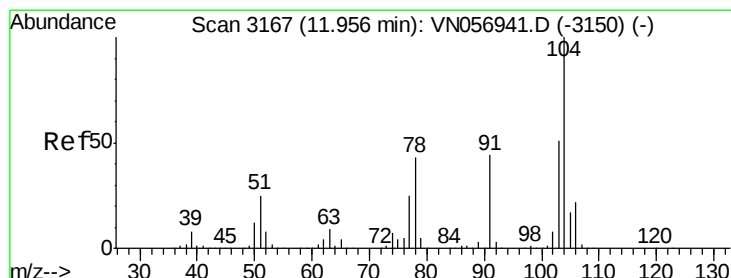
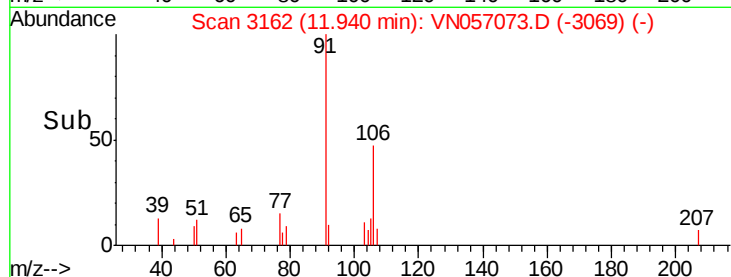
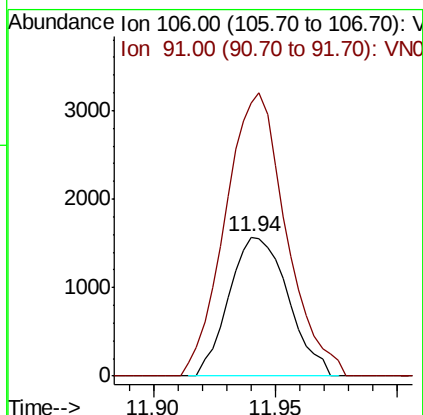
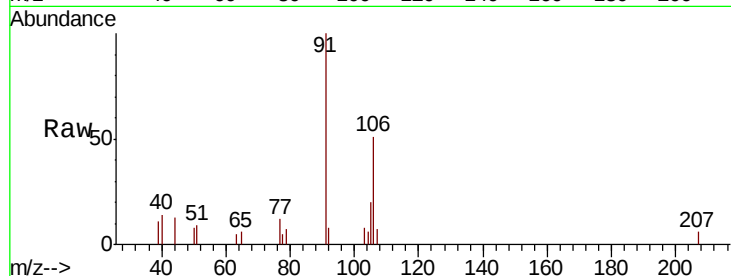




#69  
o-Xylene  
Concen: 0.305 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

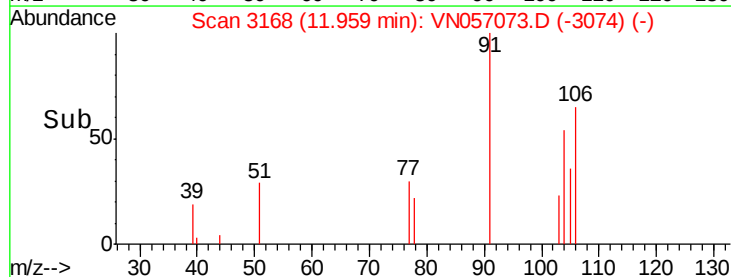
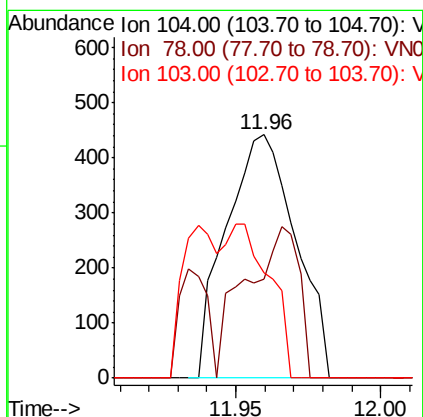
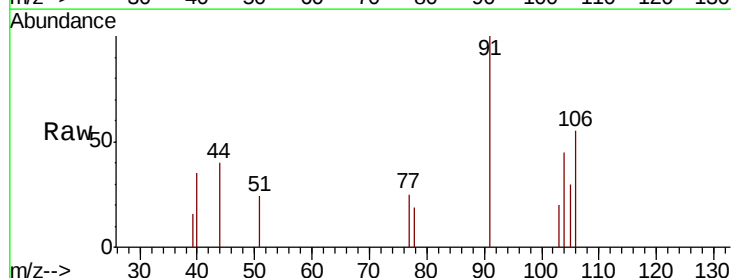
Instrument :  
MSVOA\_N  
ClientSampled :

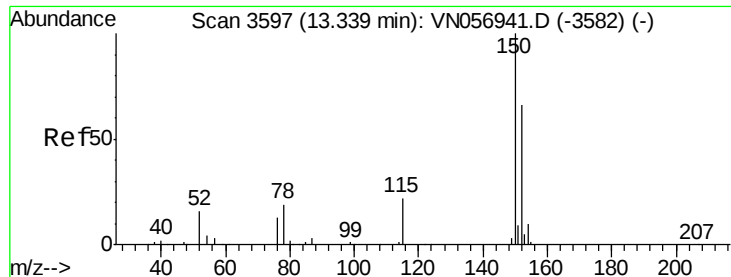
Tot Ion:106 Resp: 2642  
Ion Ratio Lower Upper  
106 100  
91 209.2 106.2 318.6



#70  
Styrene  
Concen: 1.913 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. 0.00 min  
Lab File: VN057073.D  
Acq: 5 Aug 2019 11:08

Tgt Ion:104 Resp: 738  
Ion Ratio Lower Upper  
104 100  
78 47.4 38.1 57.1  
103 0.0 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampled :

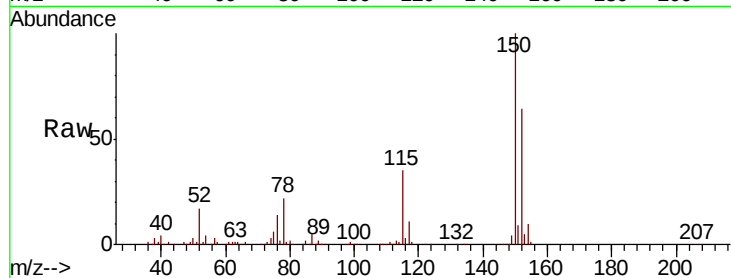
Tot Ion:152 Resp: 184361

Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.6

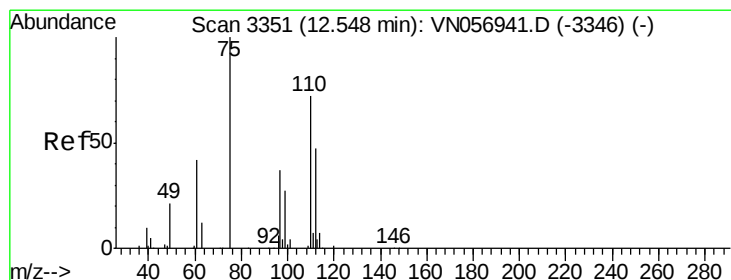
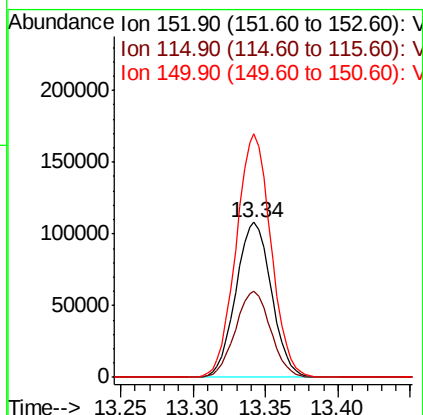
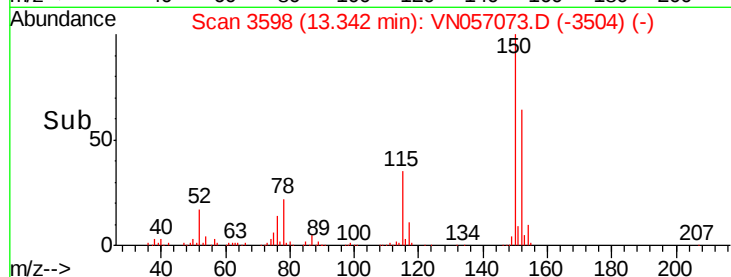
150 153.7 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 31.181 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057073.D

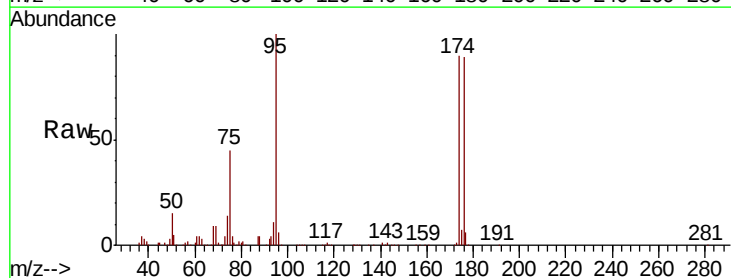
Acq: 5 Aug 2019 11:08

Tgt Ion: 75 Resp: 116744

Ion Ratio Lower Upper

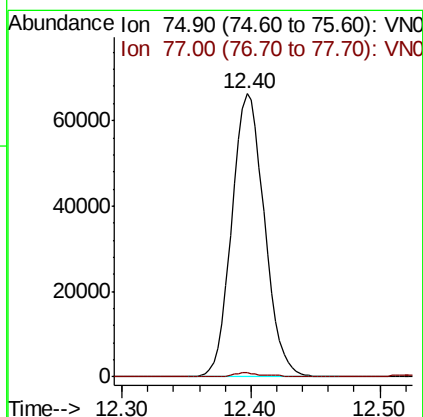
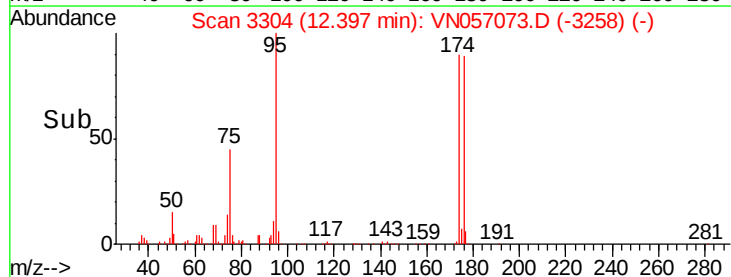
75 100

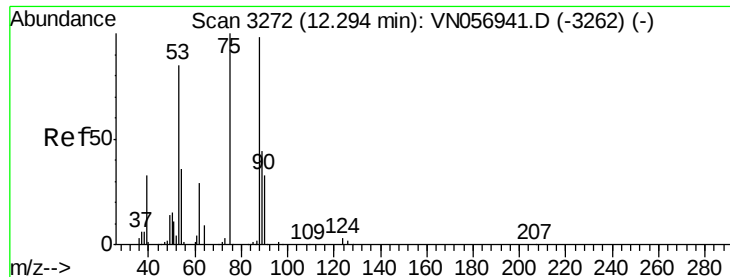
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 100.184 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

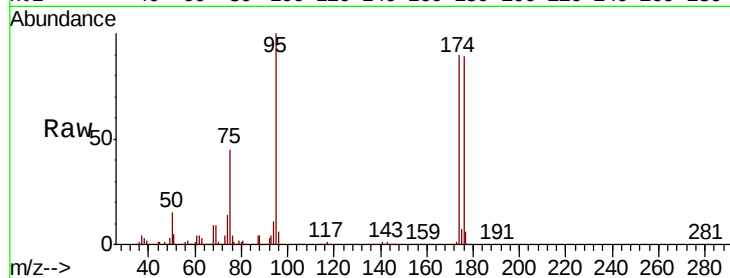
Tot Ion: 75 Resp: 116744

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

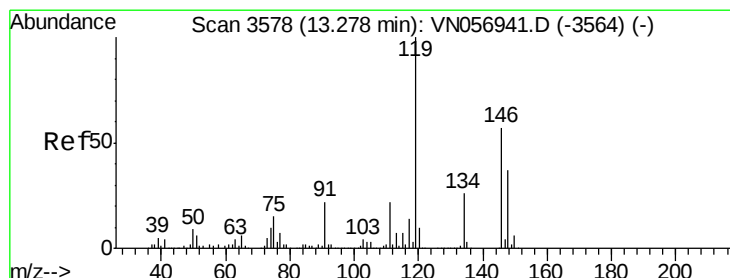
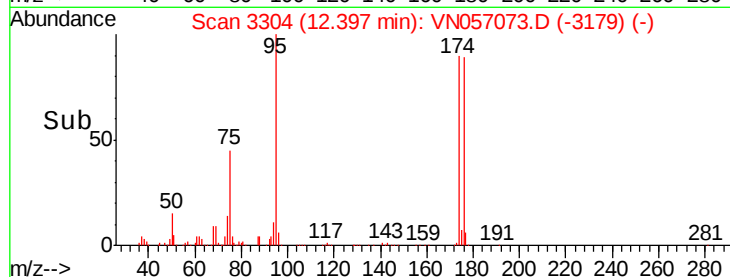
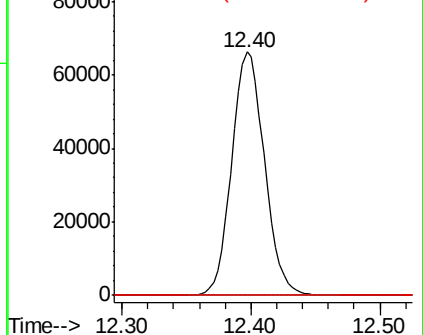
89 0.0 35.8 53.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3262) (-)

Ion 53.00 (52.70 to 53.70): VN056941.D (-3262) (-)

Ion 88.90 (88.60 to 89.60): VN056941.D (-3262) (-)



#87

1,3-Dichlorobenzene

Concen: 0.204 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.01 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

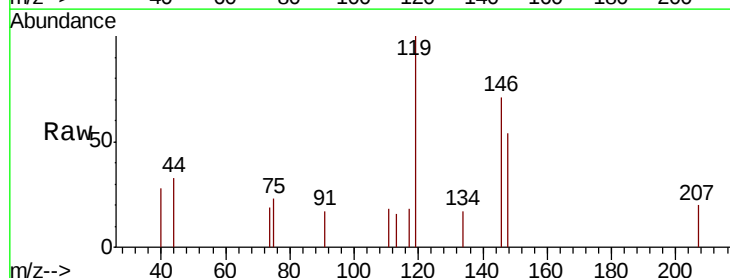
Tgt Ion: 146 Resp: 1293

Ion Ratio Lower Upper

146 100

111 26.8 18.6 55.8

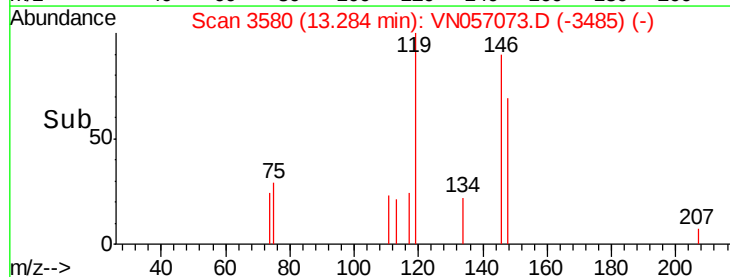
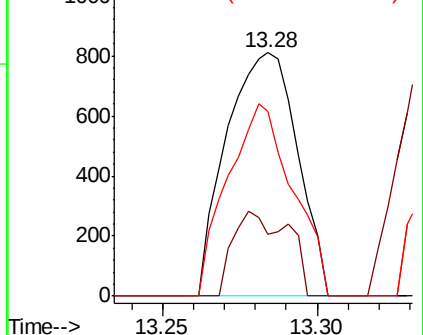
148 72.6 32.2 96.6

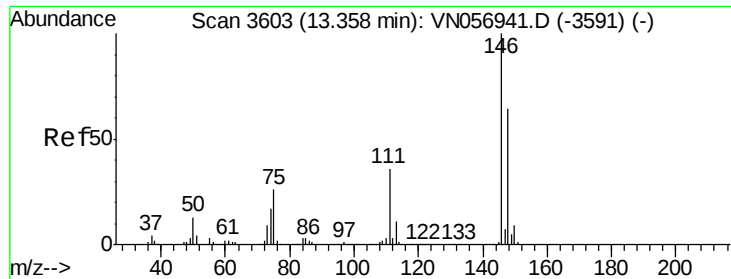


Abundance Ion 145.90 (145.60 to 146.60): VN056941.D (-3564) (-)

Ion 110.90 (110.60 to 111.60): VN056941.D (-3564) (-)

Ion 147.90 (147.60 to 148.60): VN056941.D (-3564) (-)

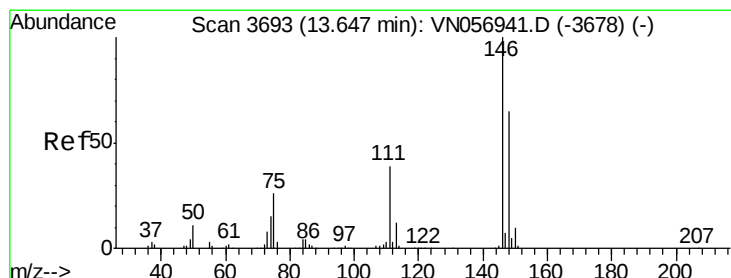
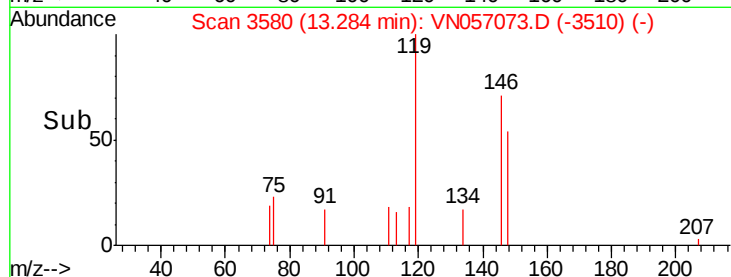
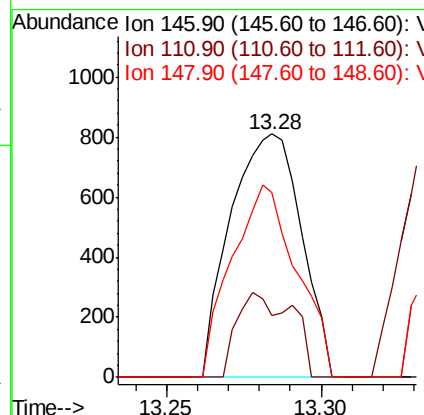
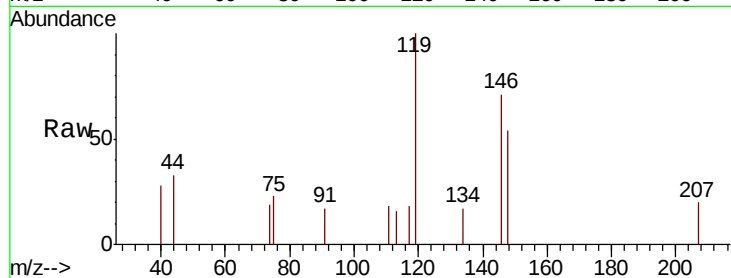




#88  
 1,4-Dichlorobenzene  
 Concen: 0.212 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.07 min  
 Lab File: VN057073.D  
 Acq: 5 Aug 2019 11:08

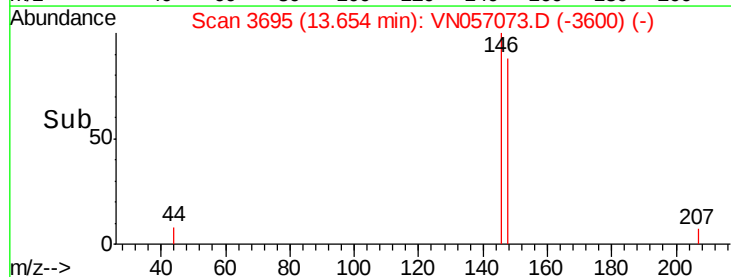
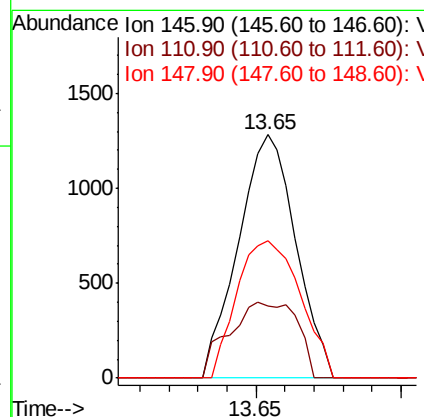
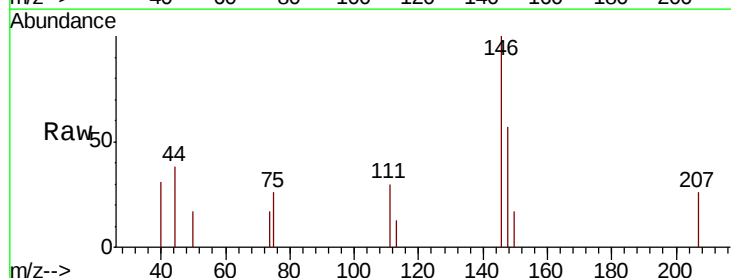
Instrument :  
 MSVOA\_N  
 ClientSampleId :

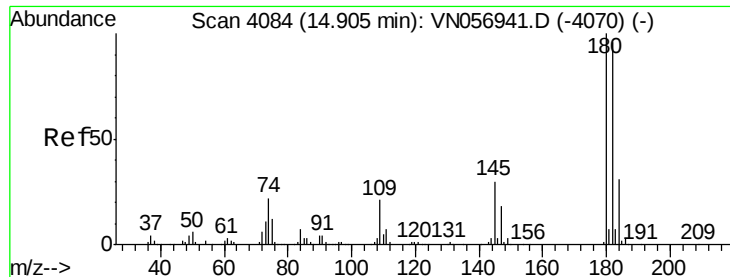
Tot Ion:146 Resp: 1293  
 Ion Ratio Lower Upper  
 146 100  
 111 26.8 18.4 55.2  
 148 72.6 32.3 96.9



#91  
 1,2-Dichlorobenzene  
 Concen: 0.283 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.01 min  
 Lab File: VN057073.D  
 Acq: 5 Aug 2019 11:08

Tgt Ion:146 Resp: 1763  
 Ion Ratio Lower Upper  
 146 100  
 111 37.0 19.4 58.4  
 148 62.5 32.2 96.6

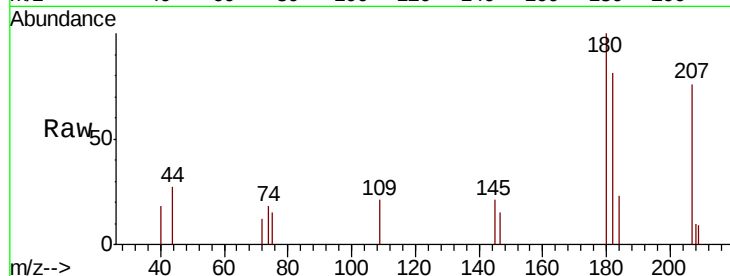




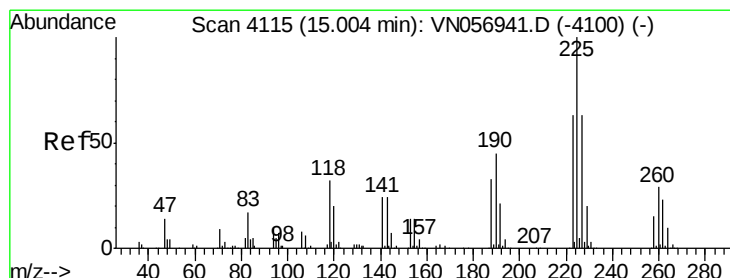
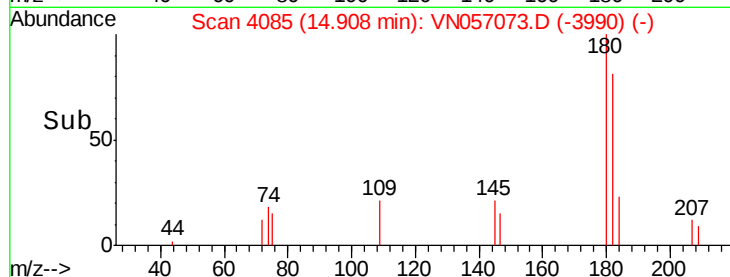
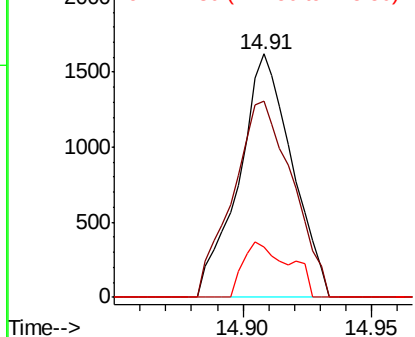
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.399 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN057073.D  
 Acq: 5 Aug 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:180 Resp: 2336  
 Ion Ratio Lower Upper  
 180 100  
 182 90.5 47.6 142.8  
 145 19.6 14.2 42.8

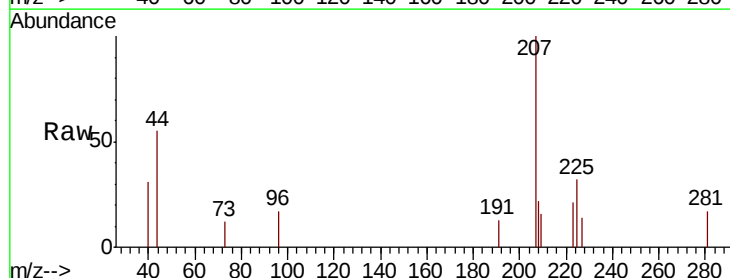


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

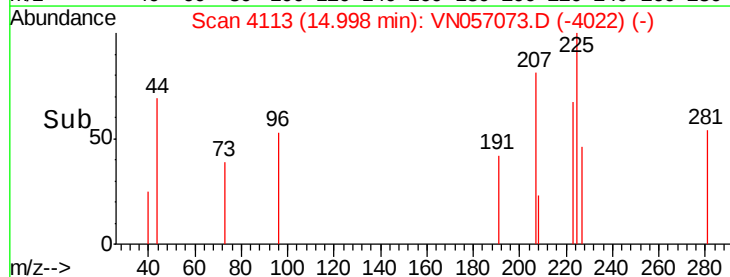
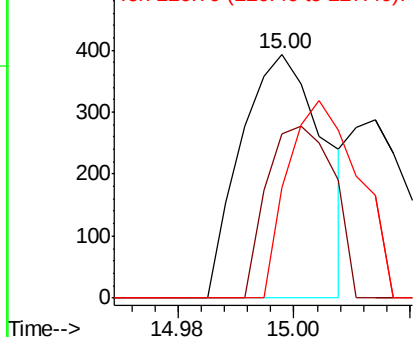


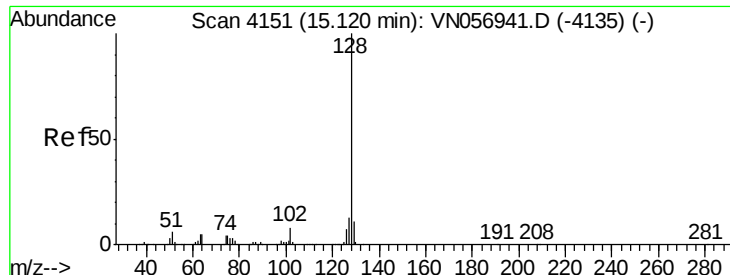
#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.00 min Scan# 4113  
 Delta R.T. -0.01 min  
 Lab File: VN057073.D  
 Acq: 5 Aug 2019 11:08

Tgt Ion:225 Resp: 391  
 Ion Ratio Lower Upper  
 225 100  
 223 57.0 30.8 92.4  
 227 69.6 31.1 93.5



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.314 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

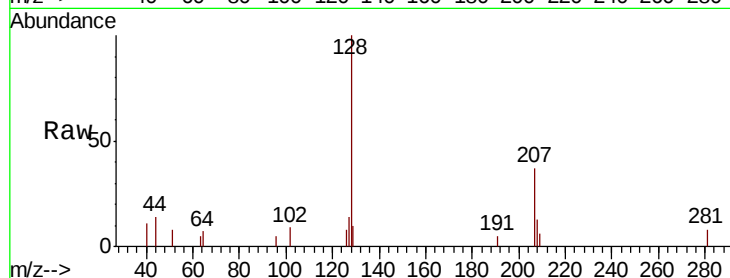
Tot Ion:128 Resp: 6128

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

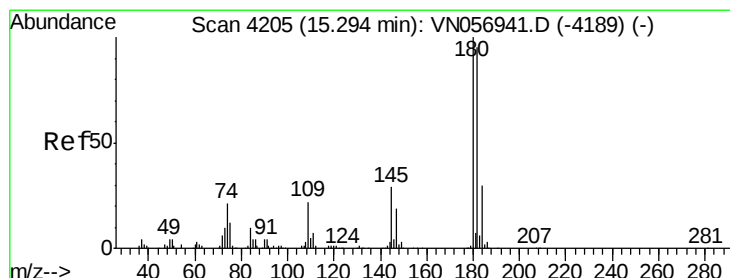
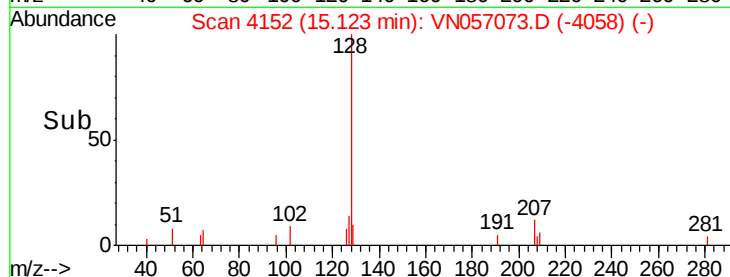
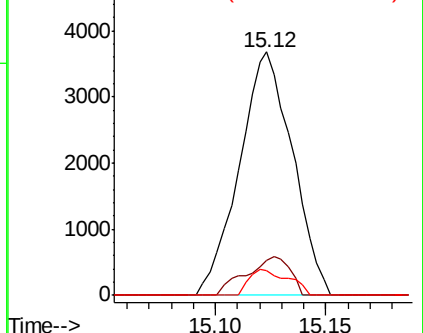
129 7.8 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.851 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.01 min

Lab File: VN057073.D

Acq: 5 Aug 2019 11:08

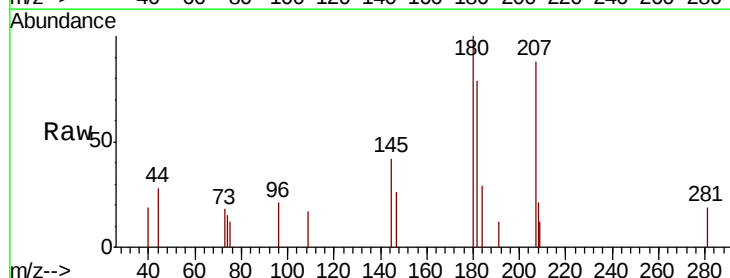
Tgt Ion:180 Resp: 2711

Ion Ratio Lower Upper

180 100

182 109.0 48.0 144.2

145 37.5 15.0 45.0



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

