

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\  
 Data File : VN059485.D  
 Acq On : 4 Dec 2019 14:30  
 Operator : JC/SP  
 Sample : K6084-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 05 00:46:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N120319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 16:37:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 348107   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 530839   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 470110   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 178523   | 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   | 206239   | 47.69 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.38% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 160653   | 48.59 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.18% |          |
| 50) Toluene-d8              | 10.08 | 98   | 646763   | 49.61 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.22% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 207218   | 45.52 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.04% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 3) Chloromethane               | 2.00  | 50   | 48226    | 9.289   | ug/l # | 68     |
| 11) Tert butyl alcohol         | 4.76  | 59   | 13273    | 16.288  | ug/l # | 73     |
| 13) Acrolein                   | 3.77  | 56   | 74520    | 105.371 | ug/l # | 79     |
| 14) Allyl chloride             | 4.51  | 41   | 69457    | 9.767   | ug/l # | 59     |
| 15) Acrylonitrile              | 5.02  | 53   | 13530    | 6.137   | ug/l # | 30     |
| 16) Acetone                    | 3.78  | 43   | 255547   | 102.755 | ug/l # | 57     |
| 18) Methyl Acetate             | 4.51  | 43   | 197621   | 33.947  | ug/l # | 53     |
| 20) Methylene Chloride         | 4.52  | 84   | 11891    | 1.762   | ug/l # | 62     |
| 25) 2-Butanone                 | 6.81  | 43   | 30501    | 9.280   | ug/l # | 89     |
| 26) 2,2-Dichloropropane        | 6.60  | 77   | 2522     | 0.388   | ug/l # | 53     |
| 31) Cyclohexane                | 7.63  | 56   | 780199   | 107.088 | ug/l   | 99     |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 26944    | 4.878   | ug/l # | 70     |
| 37) Ethyl Acetate              | 6.81  | 43   | 30501    | 4.943   | ug/l # | 68     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 32541    | 6.125   | ug/l # | 16     |
| 39) Methylcyclohexane          | 9.07  | 83   | 241391   | 36.312  | ug/l   | 99     |
| 40) Benzene                    | 8.02  | 78   | 391706   | 24.215  | ug/l   | 100    |
| 43) Isopropyl Acetate          | 8.15  | 43   | 74366    | 8.103   | ug/l # | 86     |
| 45) 1,2-Dichloropropane        | 9.07  | 63   | 2145     | 0.496   | ug/l # | 1      |
| 48) Methyl methacrylate        | 9.17  | 41   | 4468     | 1.079   | ug/l # | 13     |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 3542     | 0.650   | ug/l   | 97     |
| 52) Toluene                    | 10.15 | 92   | 81264    | 8.306   | ug/l   | 99     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 21969    | 3.265   | ug/l # | 64     |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 1472     | 0.382   | ug/l # | 14     |
| 56) Ethyl methacrylate         | 10.42 | 69   | 1133     | 1.628   | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 3339     | 0.501   | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43   | 44995    | 10.975  | ug/l # | 54     |
| 68) m/p-Xylenes                | 11.62 | 106  | 5695     | 0.849   | ug/l   | 92     |
| 69) o-Xylene                   | 11.95 | 106  | 1470     | 0.230   | ug/l   | 71     |
| 71) Bromoform                  | 12.40 | 173  | 875      | 0.304   | ug/l # | 1      |
| 74) N-amyl acetate             | 12.03 | 43   | 2200     | 0.381   | ug/l # | 42     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 102063   | 22.993  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 102063   | 60.342  | ug/l # | 15     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2651     | 0.227   | ug/l   | 75     |
| 95) Naphthalene                | 15.13 | 128  | 1594     | 2.576   | ug/l # | 74     |

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 05 00:46:38 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N120319W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 03 16:37:42 2019  
Response via : Initial Calibration

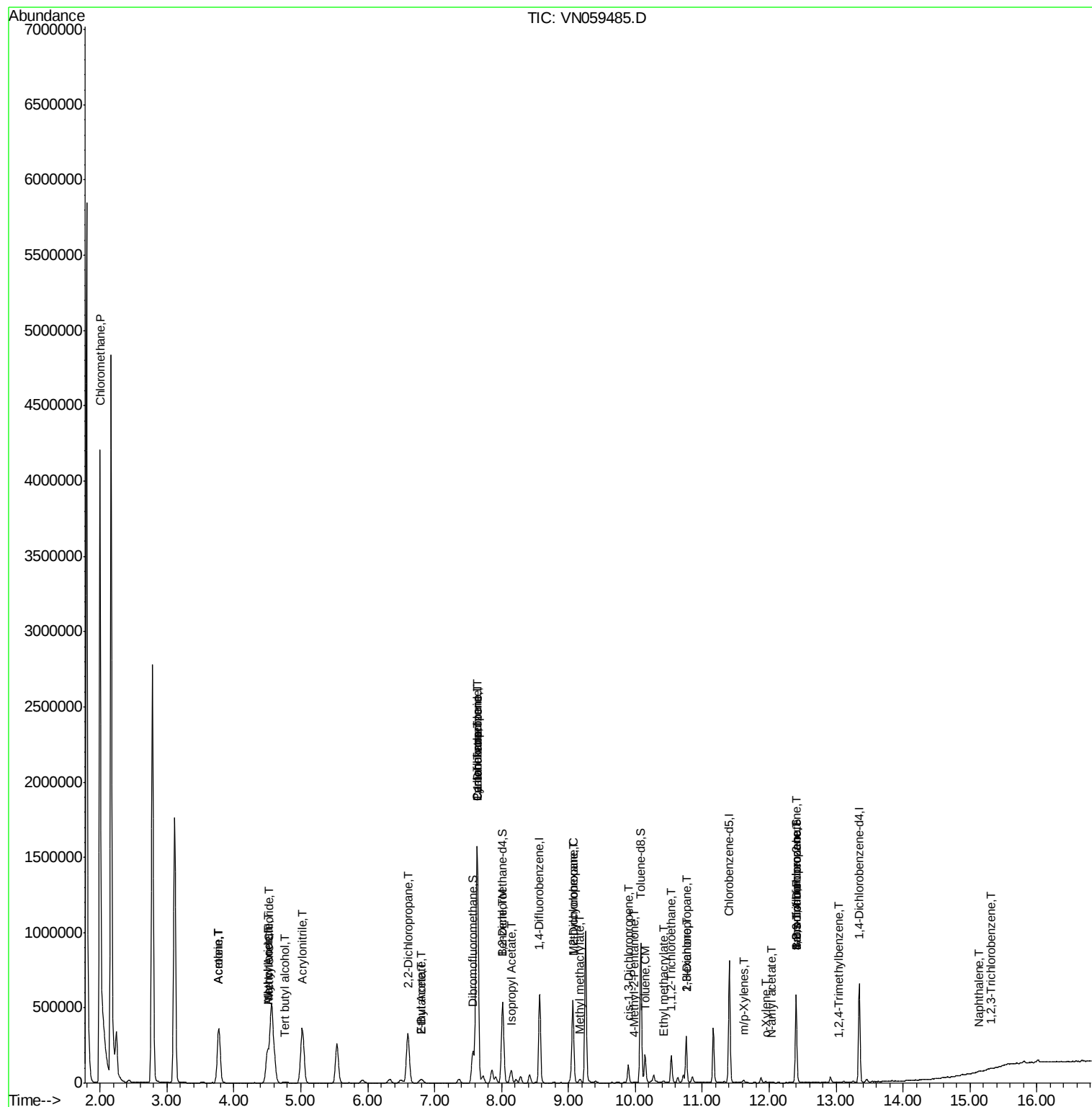
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 513      | 2.098 | ug/l # | 53       |

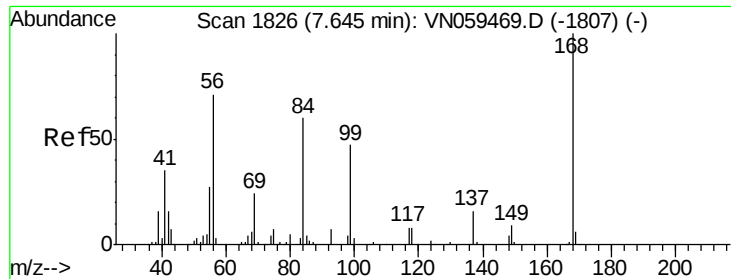
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120419\  
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Quant Time: Dec 05 00:46:38 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N120319W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 03 16:37:42 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

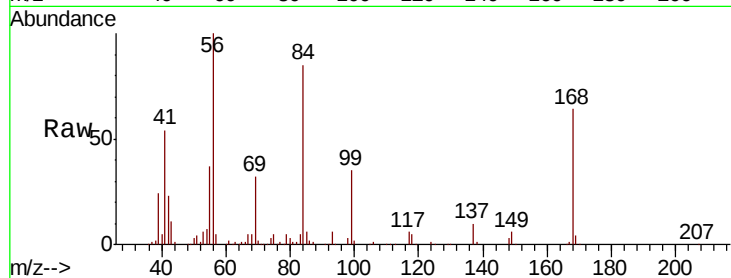
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:168 Resp: 348107

Ion Ratio Lower Upper

168 100

99 55.2 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): VN059469.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059469.D (-1807) (-)

7.64

150000

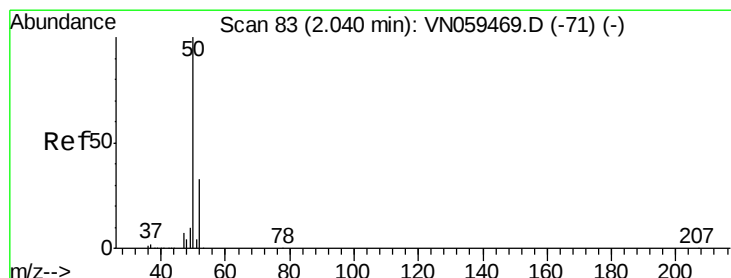
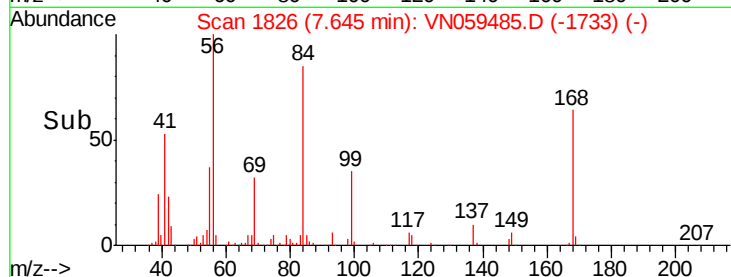
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 9.289 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.04 min

Lab File: VN059485.D

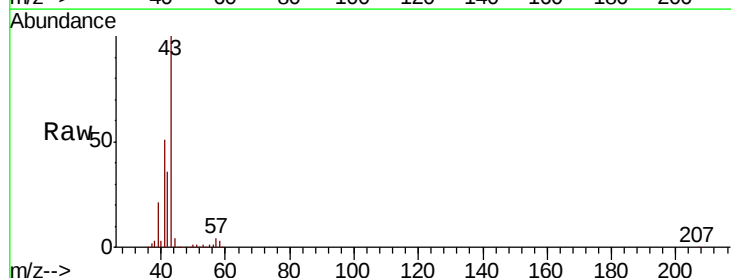
Acq: 4 Dec 2019 14:30

Tgt Ion: 50 Resp: 48226

Ion Ratio Lower Upper

50 100

52 15.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN059469.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN059469.D (-71) (-)

2.00

60000

50000

40000

30000

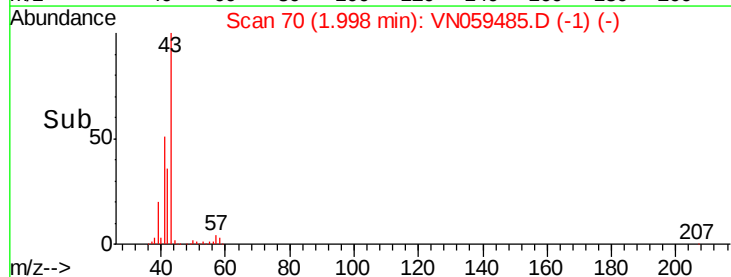
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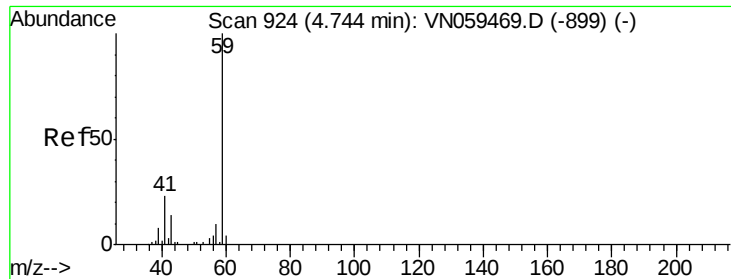
10000

0

1.90 2.00 2.10

Time-->

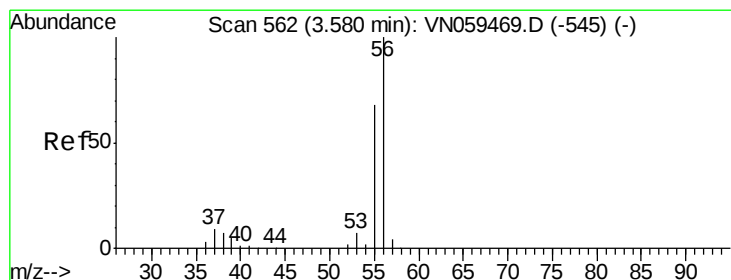
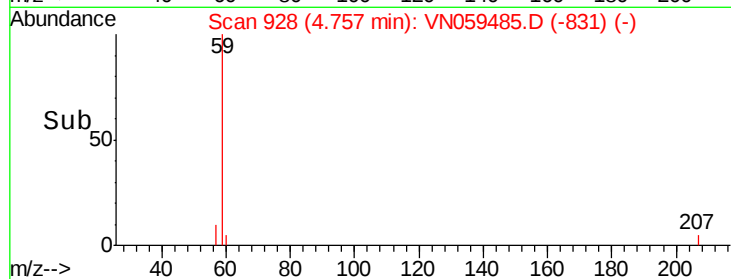
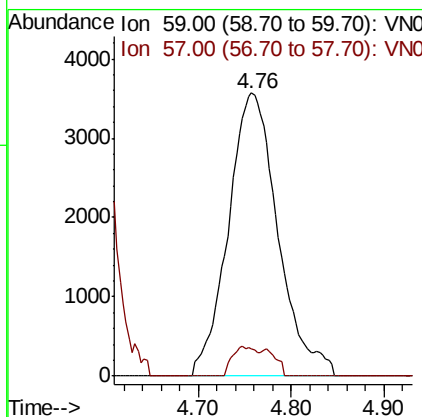
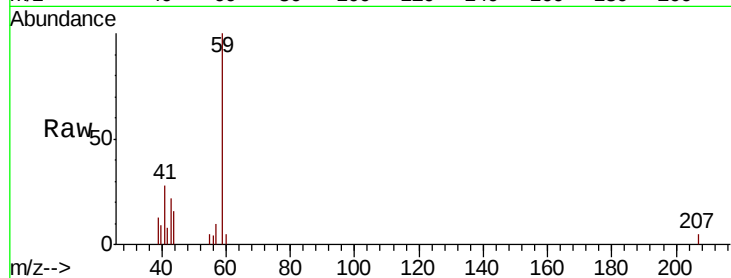




#11  
Tert butyl alcohol  
Concen: 16.288 ug/l  
RT: 4.76 min Scan# 928  
Delta R.T. 0.01 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

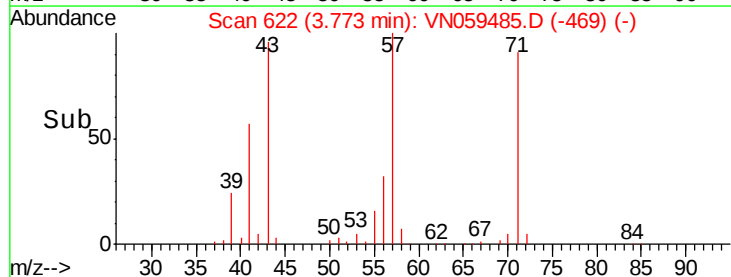
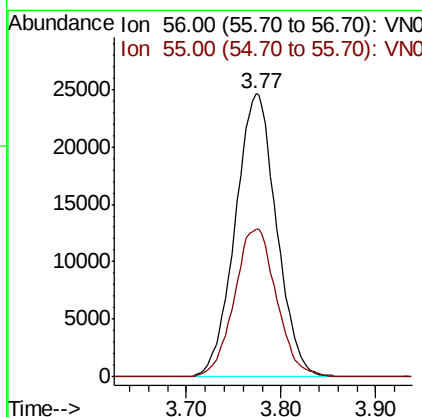
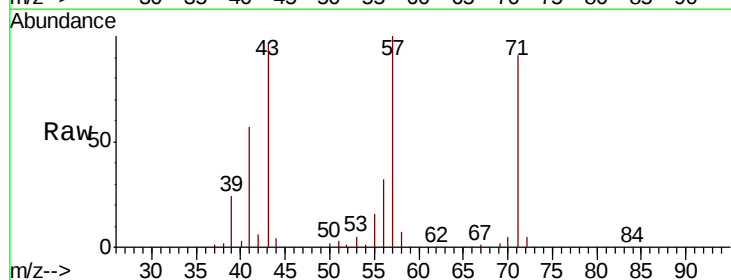
Instrument :  
MSVOA\_N  
ClientSampleId :

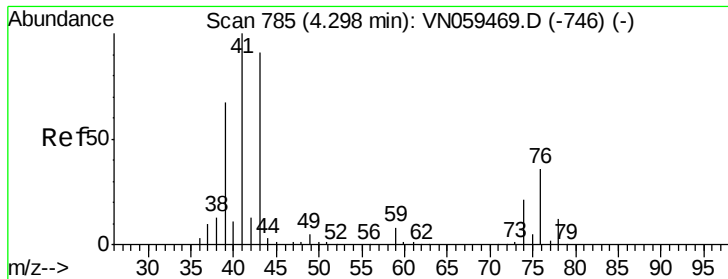
Tot Ion: 59 Resp: 13273  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#



#13  
Acrolein  
Concen: 105.371 ug/l  
RT: 3.77 min Scan# 622  
Delta R.T. 0.19 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion: 56 Resp: 74520  
Ion Ratio Lower Upper  
56 100  
55 53.4 56.5 84.7#





#14

Allvl chloride

Concen: 9.767 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.21 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA\_N

ClientSampled :

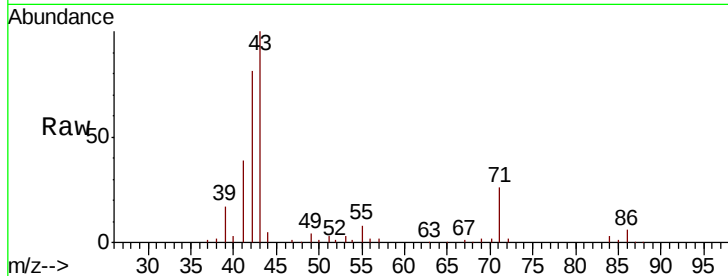
Tot Ion: 41 Resp: 69457

Ion Ratio Lower Upper

41 100

39 36.3 49.3 73.9#

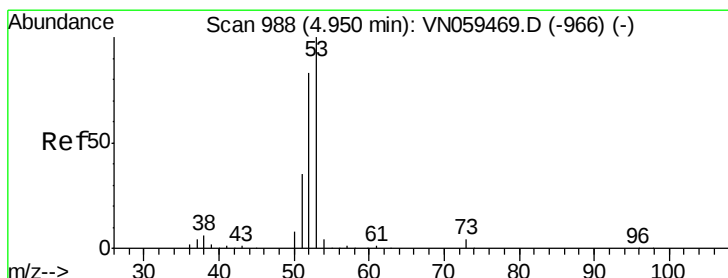
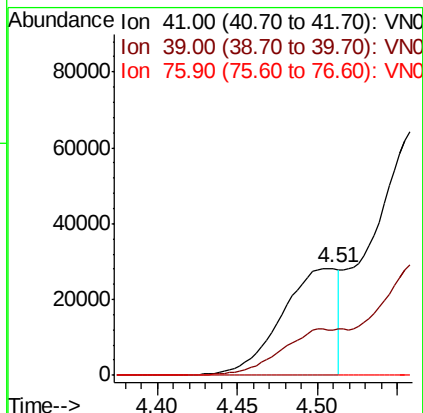
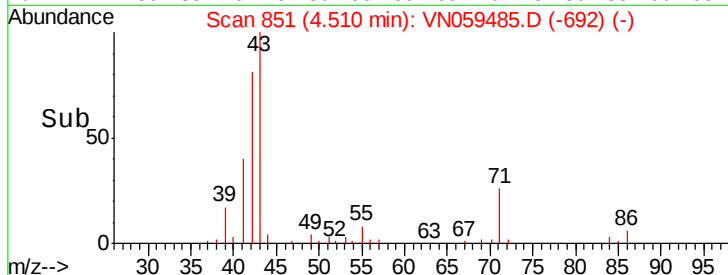
76 0.0 25.6 38.4#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#15

Acrylonitrile

Concen: 6.137 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.07 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

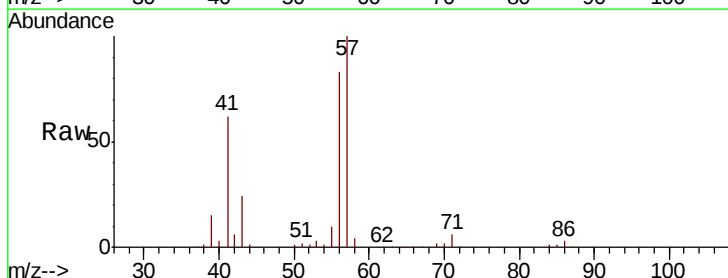
Tgt Ion: 53 Resp: 13530

Ion Ratio Lower Upper

53 100

52 8.4 65.5 98.3#

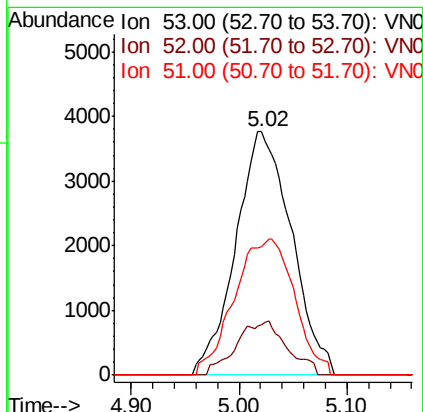
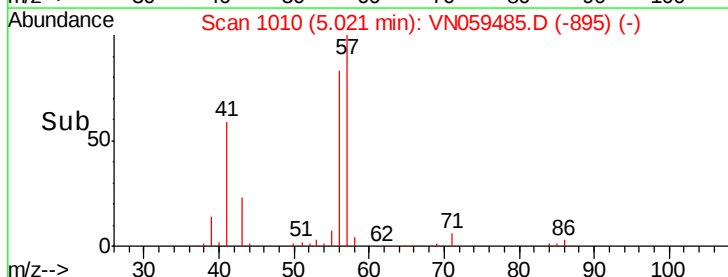
51 60.2 28.5 42.7#

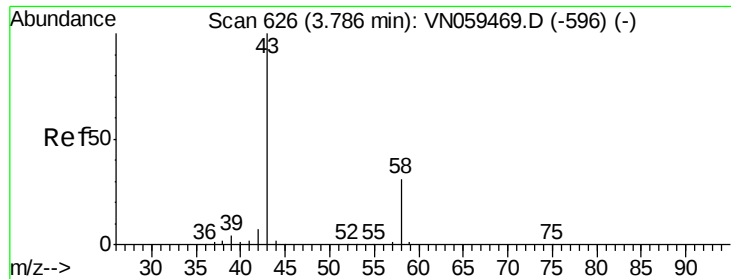


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

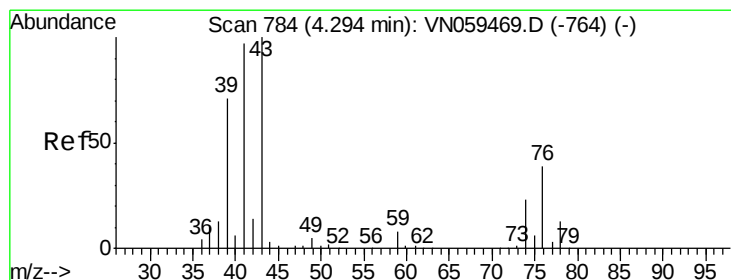
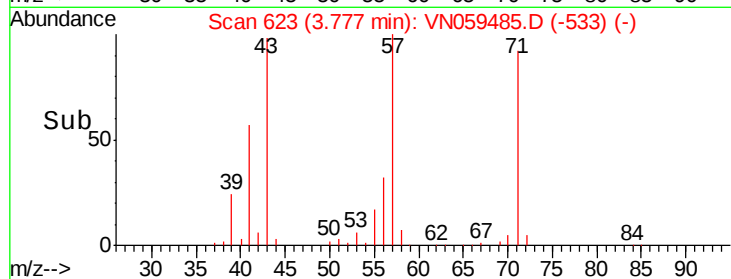
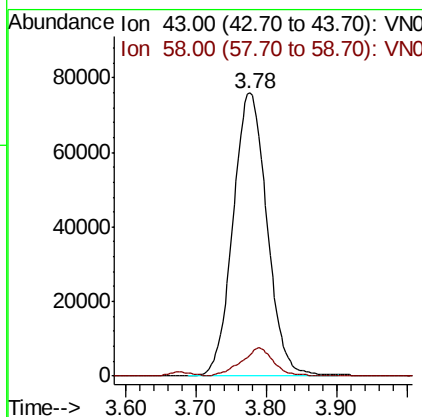
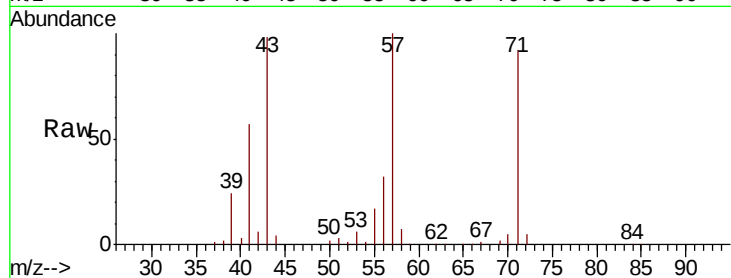




#16  
Acetone  
Concen: 102.755 ug/l  
RT: 3.78 min Scan# 623  
Delta R.T. -0.01 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

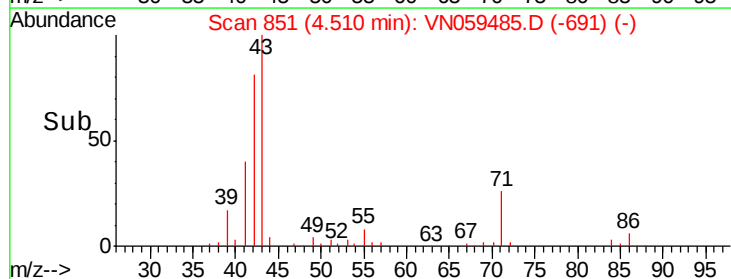
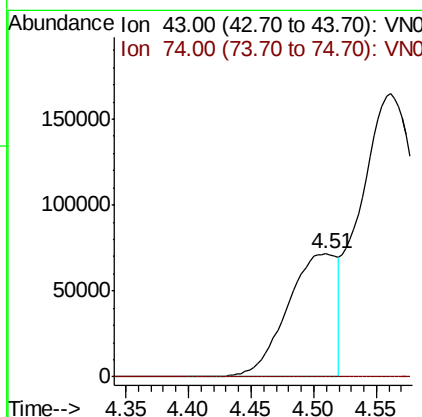
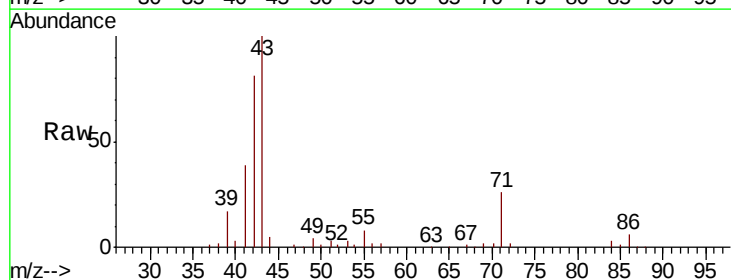
Instrument :  
MSVOA\_N  
ClientSampleId :

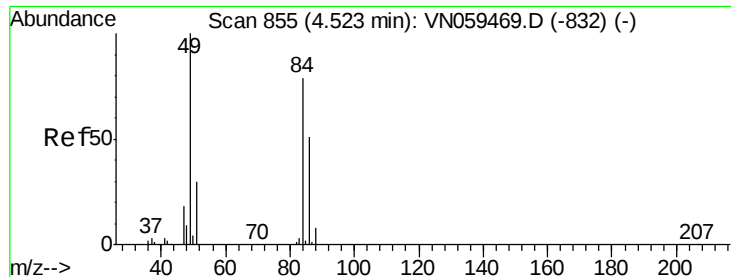
Tot Ion: 43 Resp: 255547  
Ion Ratio Lower Upper  
43 100  
58 7.6 24.9 37.3#



#18  
Methyl Acetate  
Concen: 33.947 ug/l  
RT: 4.51 min Scan# 851  
Delta R.T. 0.22 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion: 43 Resp: 197621  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.3 27.5#





#20

Methylene Chloride

Concen: 1.762 ug/l

RT: 4.52 min Scan# 854

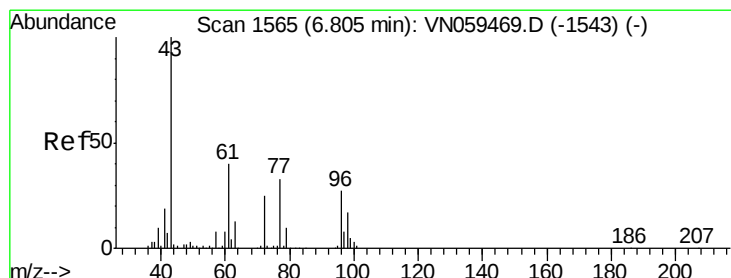
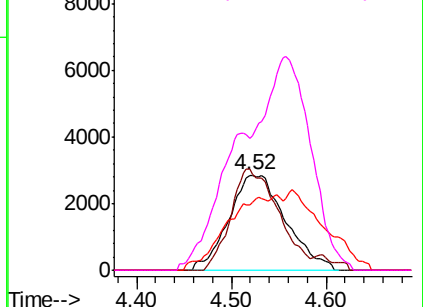
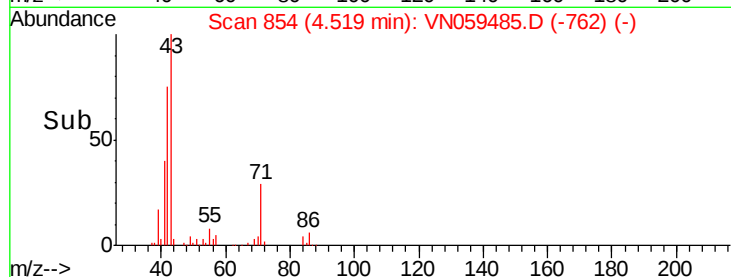
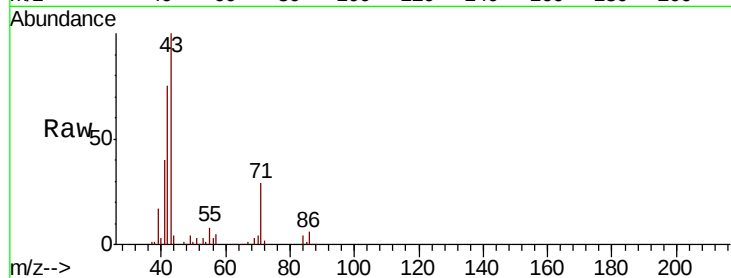
Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :  
MSVOA\_N  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 11891 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 106.4 | 101.1 | 151.7 |
| 51       | 60.6  | 30.7  | 46.1# |
| 86       | 127.0 | 51.4  | 77.0# |



#25

2-Butanone

Concen: 9.280 ug/l

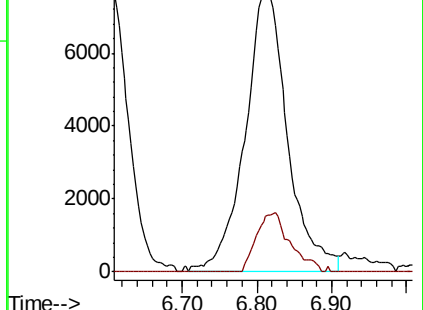
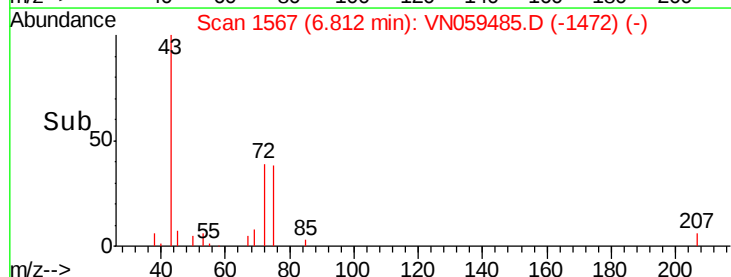
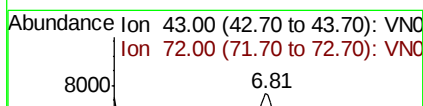
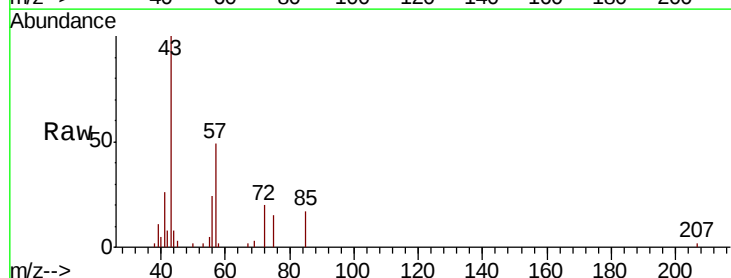
RT: 6.81 min Scan# 1567

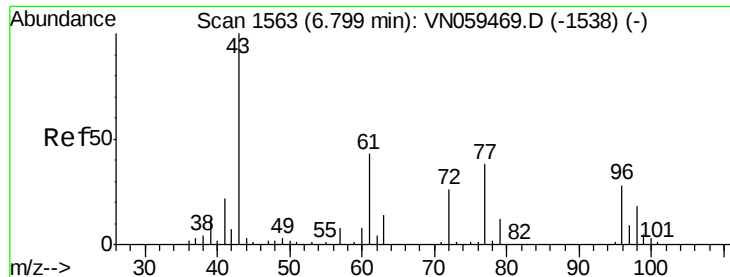
Delta R.T. 0.01 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 30501 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 19.6  | 20.2  | 30.2# |

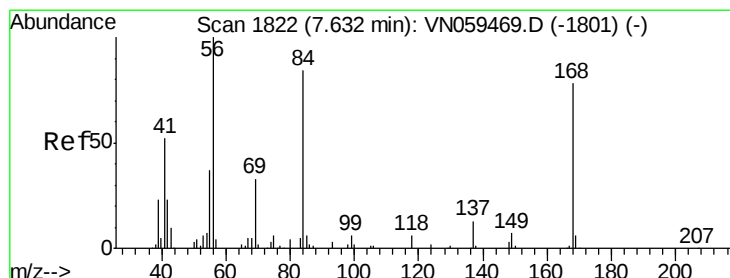
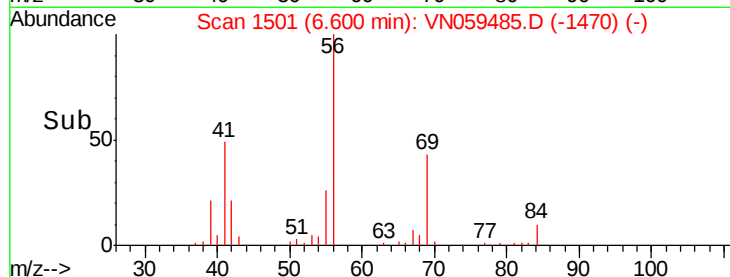
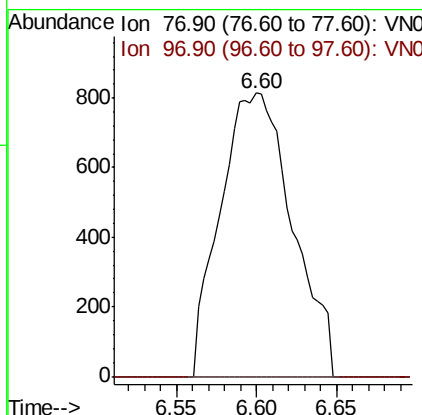
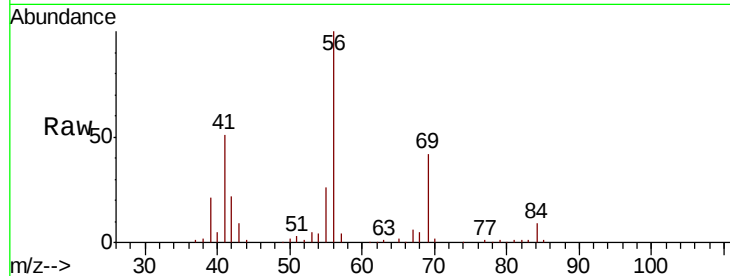




#26  
 2,2-Dichloropropane  
 Concen: 0.388 ug/l  
 RT: 6.60 min Scan# 1501  
 Delta R.T. -0.20 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

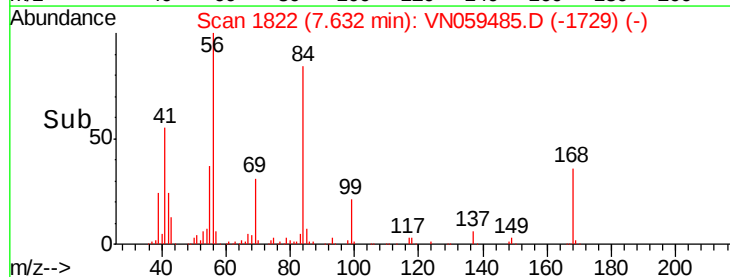
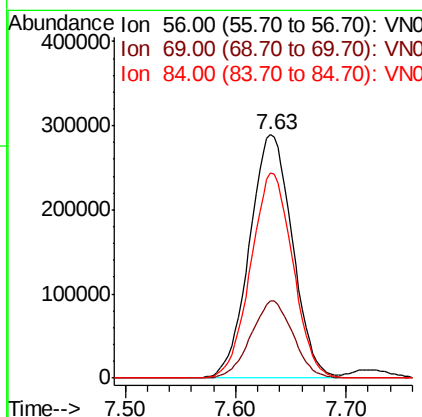
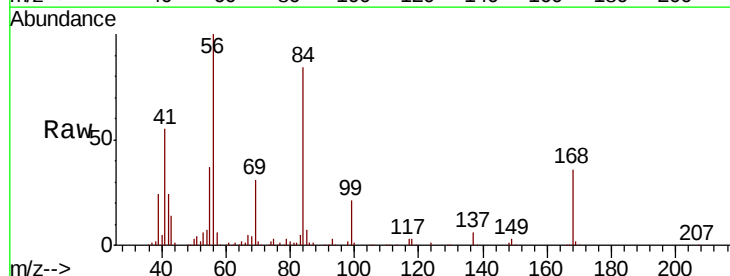
Instrument :  
 MSVOA\_N  
 ClientSampled :

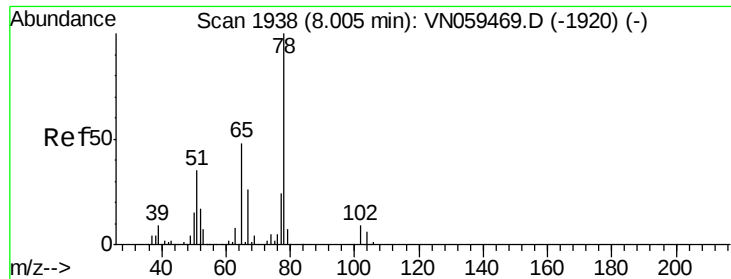
Tot Ion: 77 Resp: 2522  
 Ion Ratio Lower Upper  
 77 100  
 97 0.0 11.4 34.1#



#31  
 Cyclohexane  
 Concen: 107.088 ug/l  
 RT: 7.63 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

Tgt Ion: 56 Resp: 780199  
 Ion Ratio Lower Upper  
 56 100  
 69 31.5 26.2 39.4  
 84 84.3 66.8 100.2

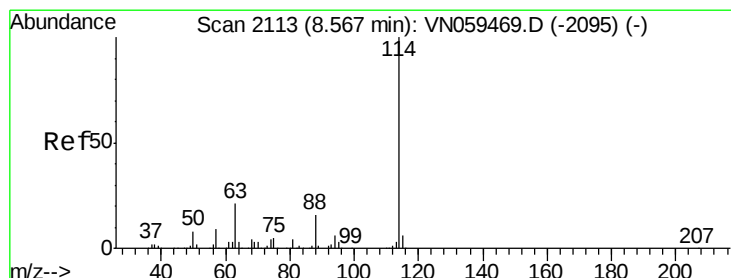
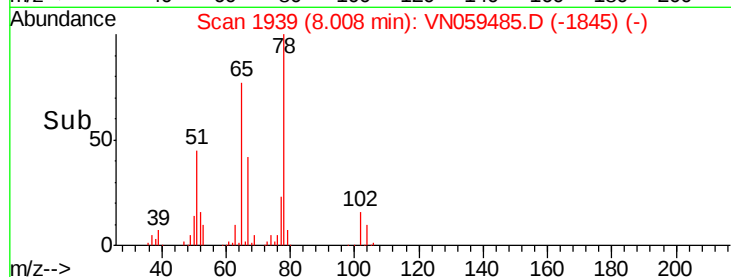
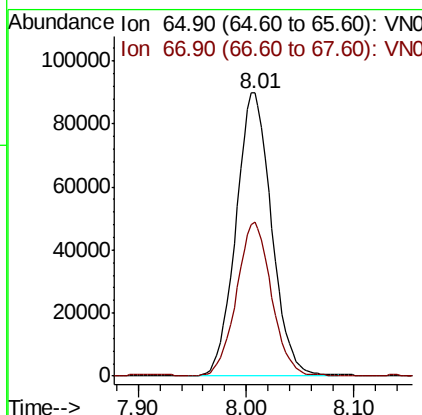
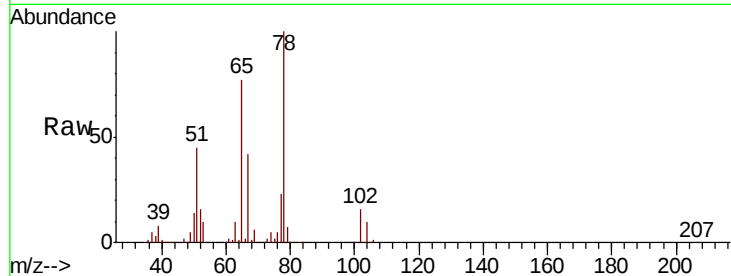




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.692 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

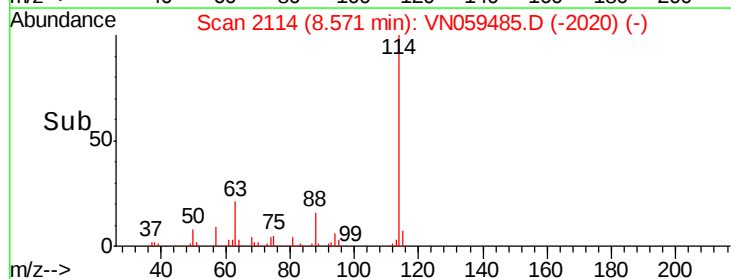
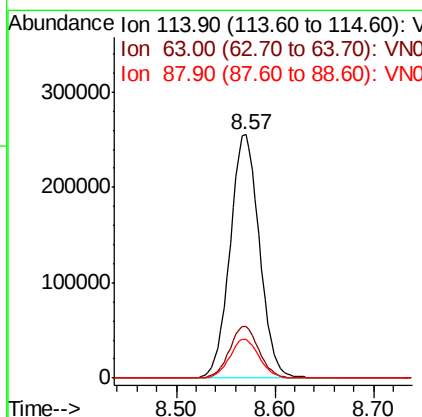
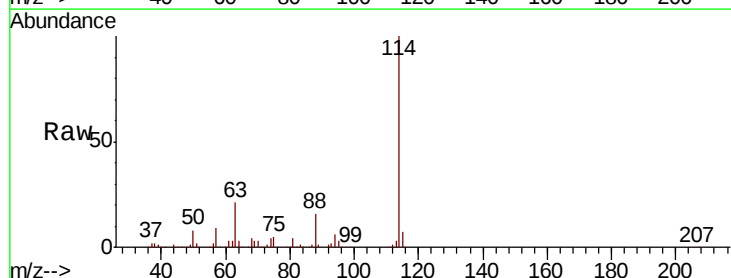
Instrument :  
 MSVOA\_N  
 ClientSampleId :

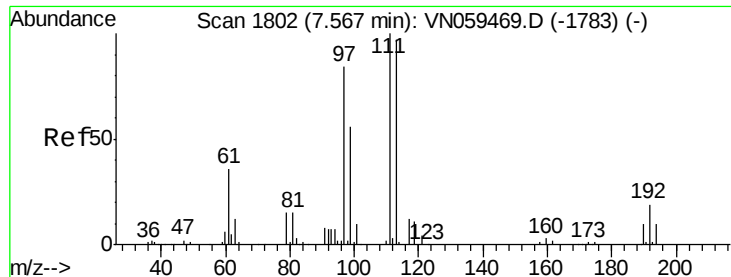
Tot Ion: 65 Resp: 206239  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

Tgt Ion: 114 Resp: 530839  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 42.4  
 88 15.8 0.0 32.8

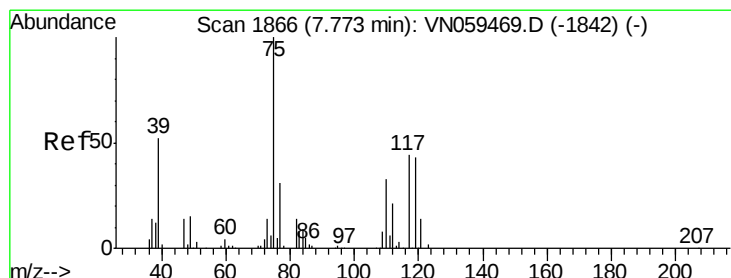
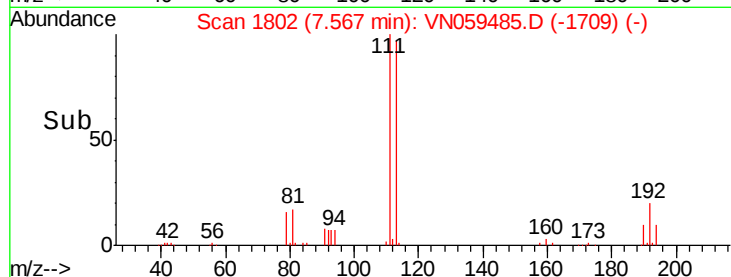
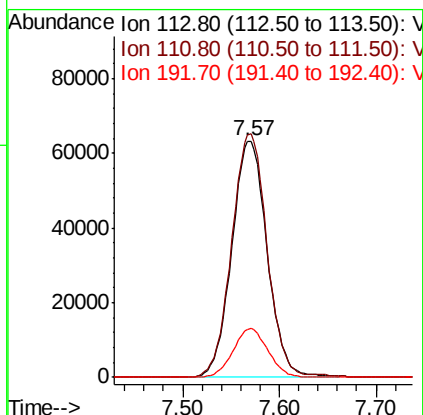
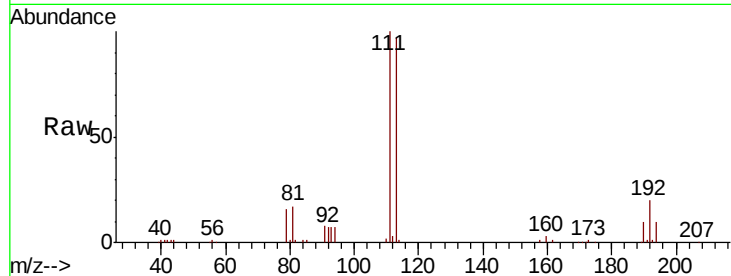




#35  
 Dibromofluoromethane  
 Concen: 48.591 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

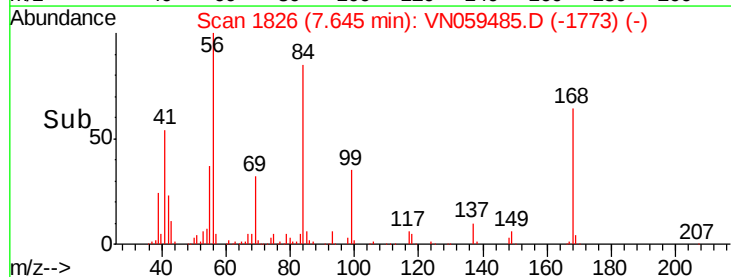
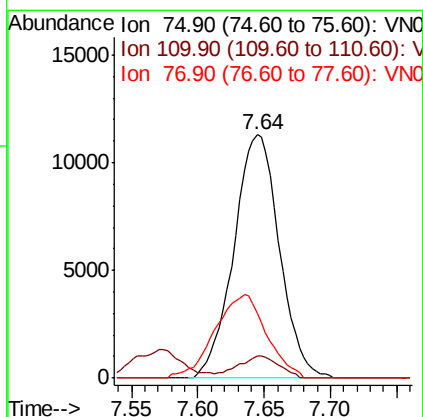
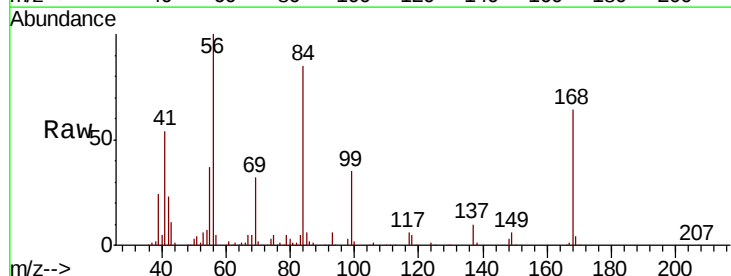
Instrument :  
 MSVOA\_N  
 ClientSampleId :

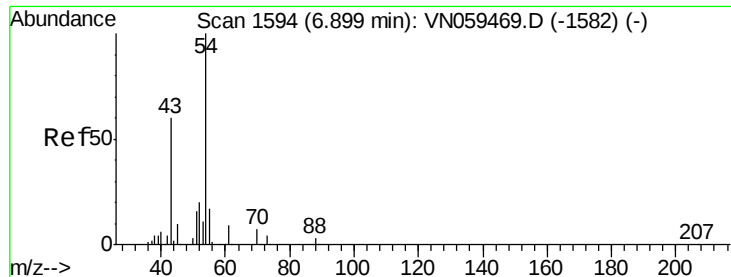
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.5  | 123.7 |
| 192     | 20.4  | 16.1  | 24.1  |



#36  
 1,1-Dichloropropene  
 Concen: 4.878 ug/l  
 RT: 7.64 min Scan# 1826  
 Delta R.T. -0.13 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.2   | 16.9  | 50.7# |
| 77      | 38.8  | 25.1  | 37.7# |

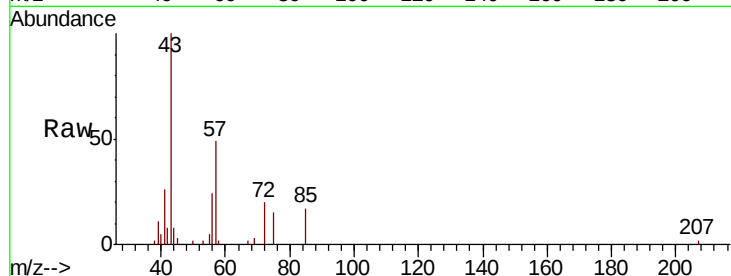




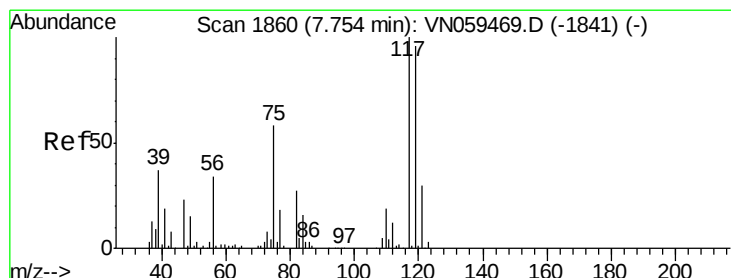
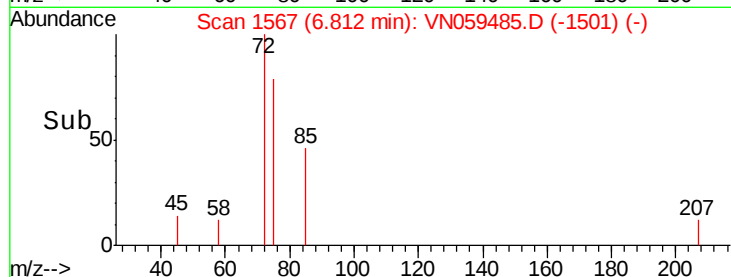
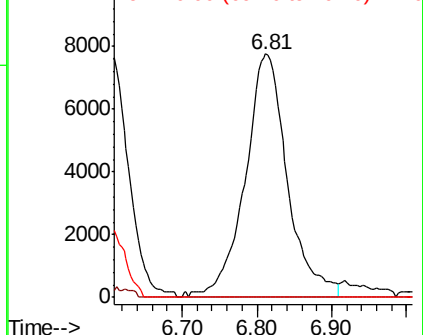
#37  
Ethyl Acetate  
Concen: 4.943 ug/l  
RT: 6.81 min Scan# 1567  
Delta R.T. -0.09 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 30501  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.3 16.9#  
70 0.0 8.3 12.5#

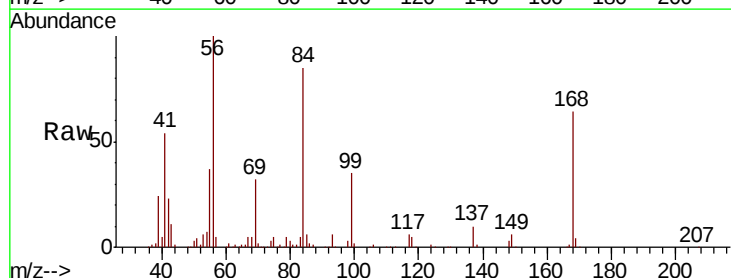


Abundance Ion 43.00 (42.70 to 43.70): VN059485.D  
Ion 60.90 (60.60 to 61.60): VN059485.D  
Ion 70.00 (69.70 to 70.70): VN059485.D

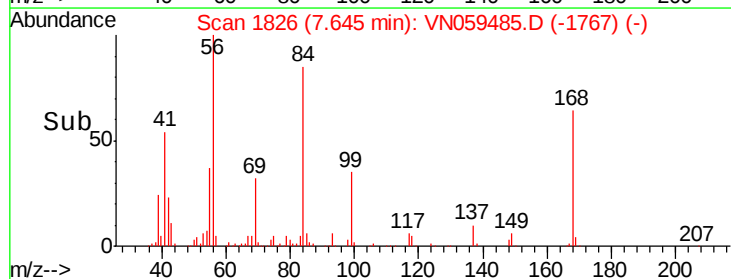
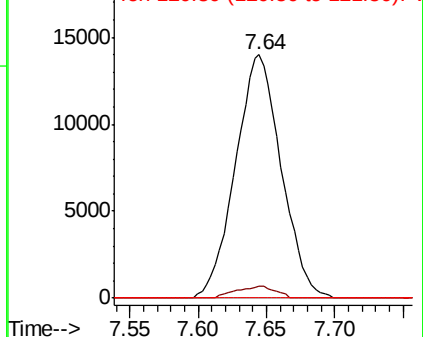


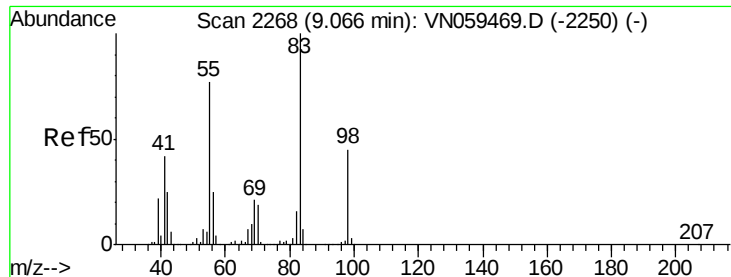
#38  
Carbon Tetrachloride  
Concen: 6.125 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. -0.11 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion: 117 Resp: 32541  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.6 114.8#  
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): VN059485.D  
Ion 118.80 (118.50 to 119.50): VN059485.D  
Ion 120.80 (120.50 to 121.50): VN059485.D

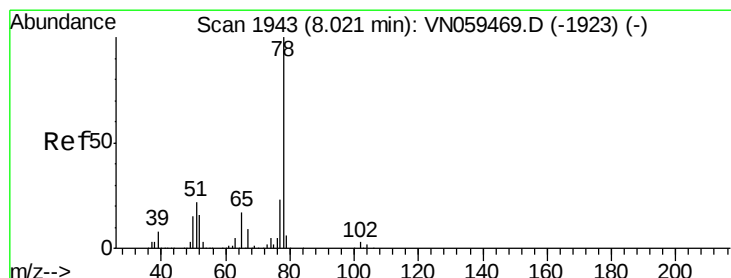
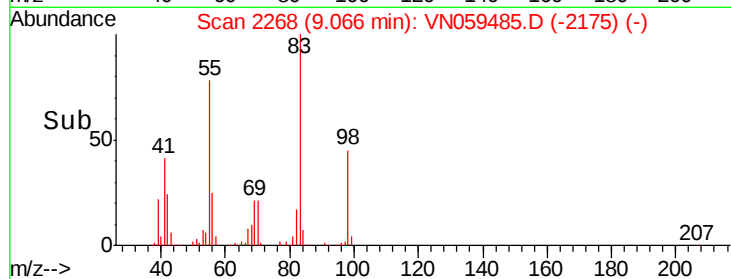
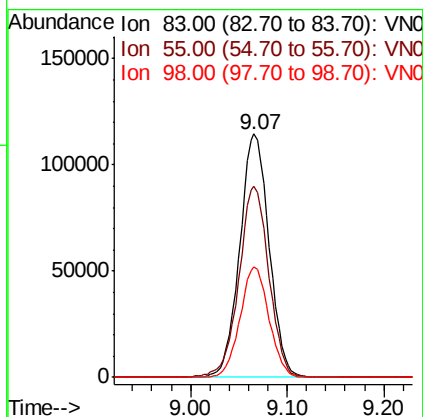
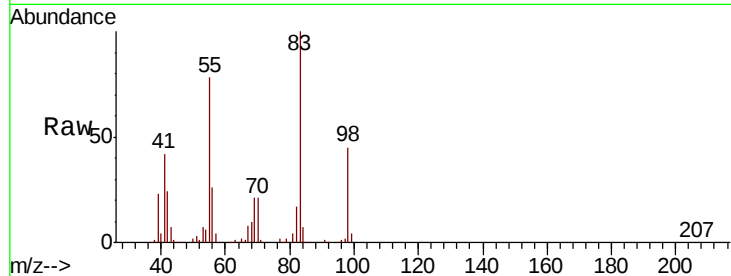




#39  
Methvlcvclohexane  
Concen: 36.312 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. -0.00 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

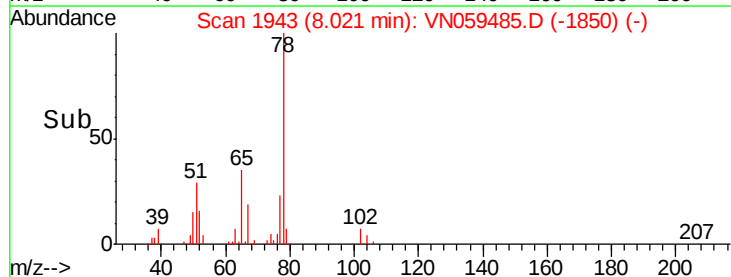
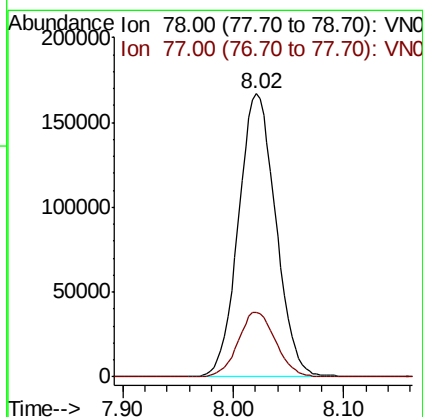
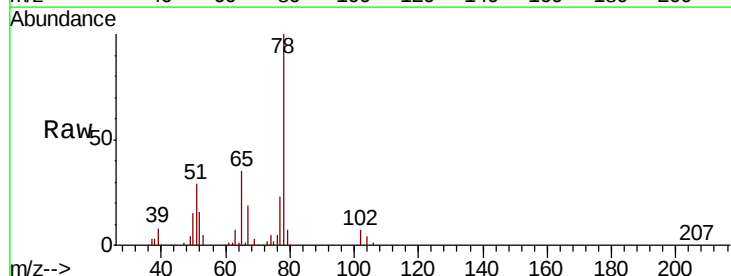
Instrument :  
MSVOA\_N  
ClientSampleId :

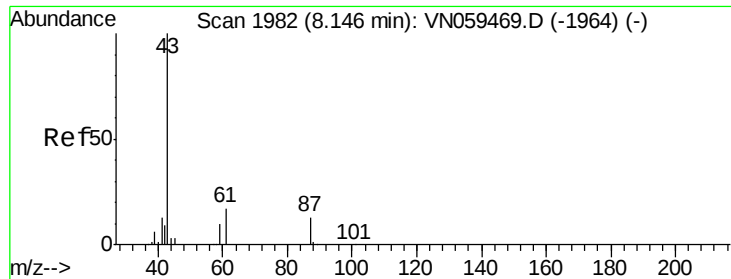
Tot Ion: 83 Resp: 241391  
Ion Ratio Lower Upper  
83 100  
55 78.1 61.8 92.6  
98 45.4 36.2 54.2



#40  
Benzene  
Concen: 24.215 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion: 78 Resp: 391706  
Ion Ratio Lower Upper  
78 100  
77 22.8 18.2 27.2

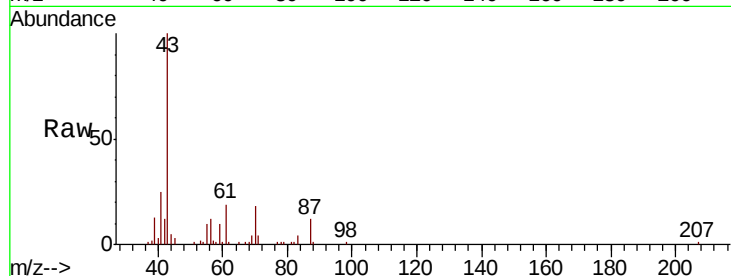




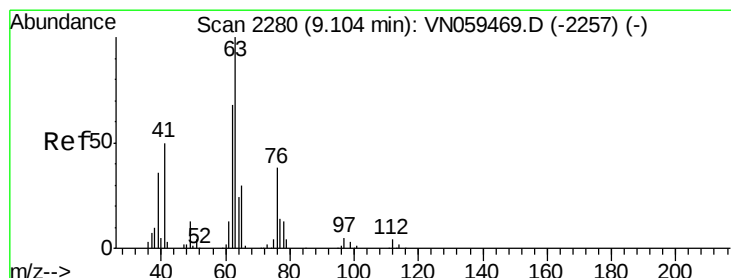
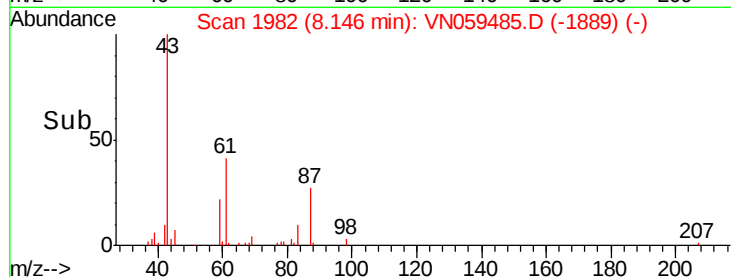
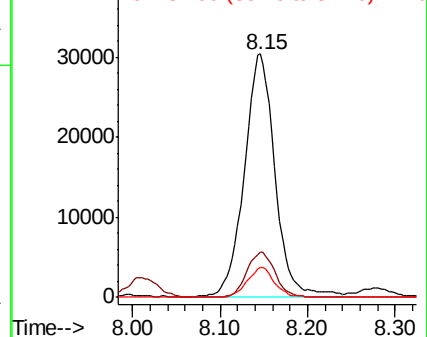
#43  
Isopropyl Acetate  
Concen: 8.103 ug/l  
RT: 8.15 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 74366  
Ion Ratio Lower Upper  
43 100  
61 17.0 21.0 31.6#  
87 10.7 10.4 15.6

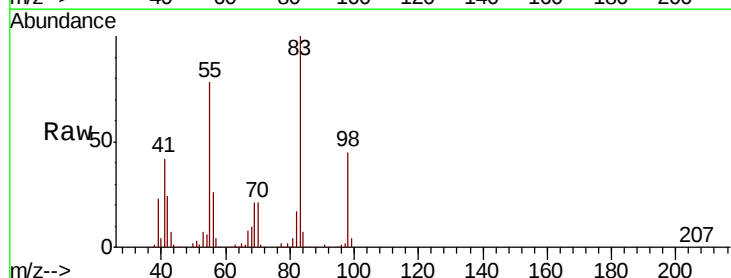


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 61.00 (60.70 to 61.70): VN0  
Ion 87.00 (86.70 to 87.70): VN0

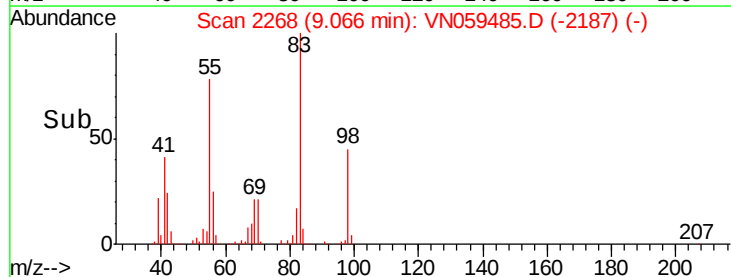
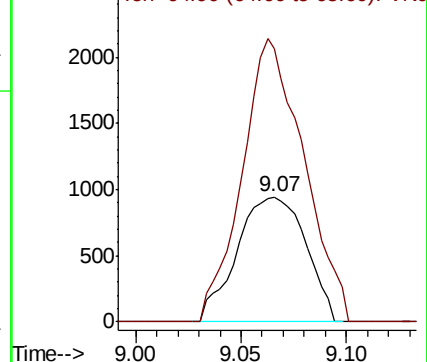


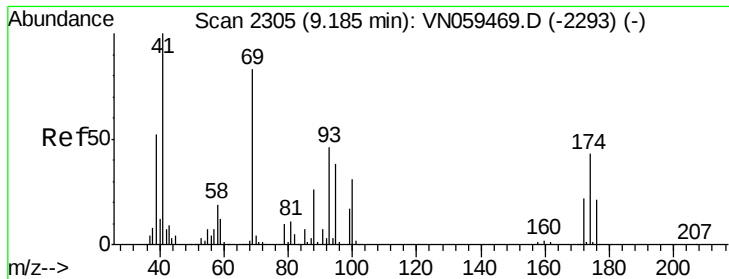
#45  
1,2-Dichloropropane  
Concen: 0.496 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. -0.04 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion: 63 Resp: 2145  
Ion Ratio Lower Upper  
63 100  
65 218.5 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0  
Ion 64.90 (64.60 to 65.60): VN0

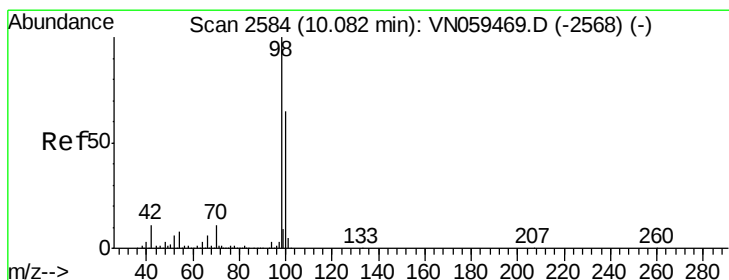
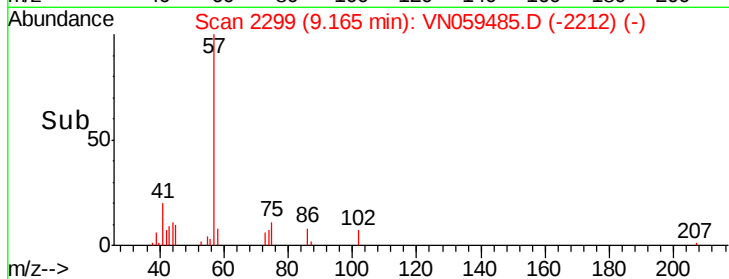
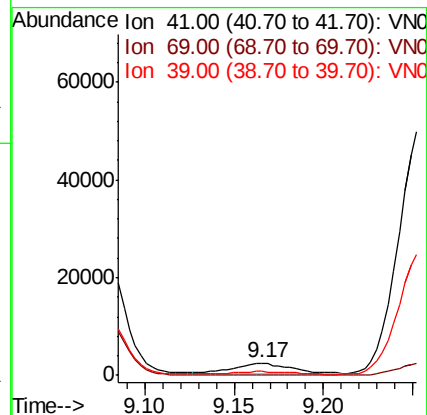
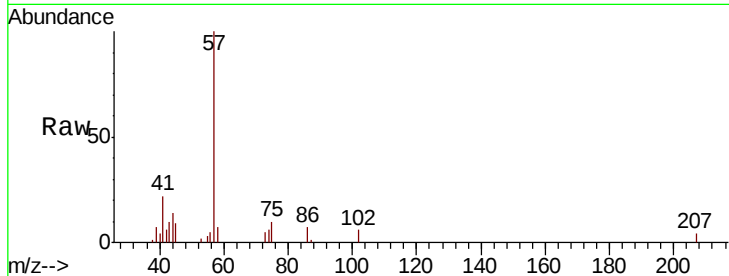




#48  
Methvl methacrylate  
Concen: 1.079 ug/l  
RT: 9.17 min Scan# 2299  
Delta R.T. -0.02 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

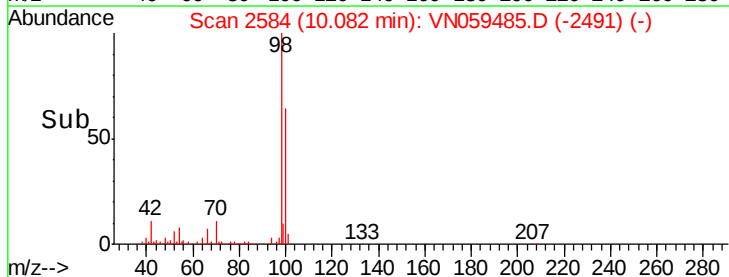
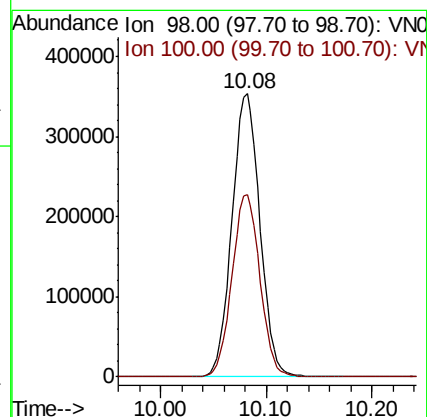
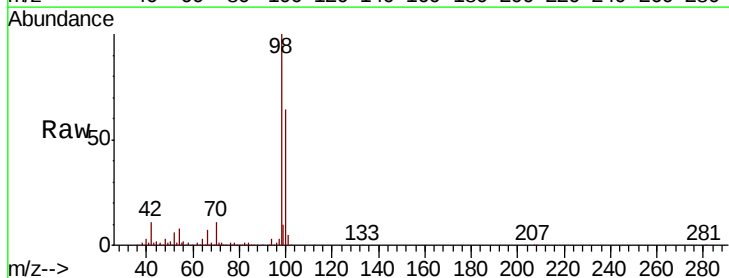
Instrument :  
MSVOA\_N  
ClientSampleId :

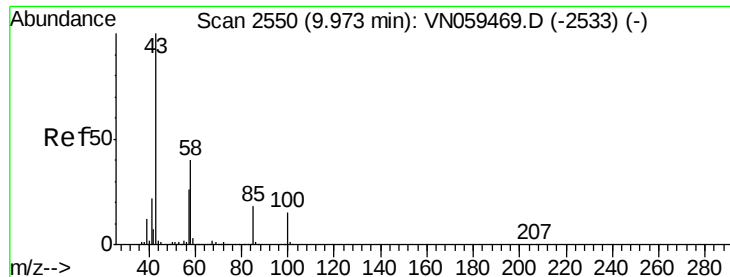
Tot Ion: 41 Resp: 4468  
Ion Ratio Lower Upper  
41 100  
69 0.0 68.6 103.0#  
39 0.0 43.2 64.8#



#50  
Toluene-d8  
Concen: 49.615 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. -0.00 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion: 98 Resp: 646763  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.650 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA\_N

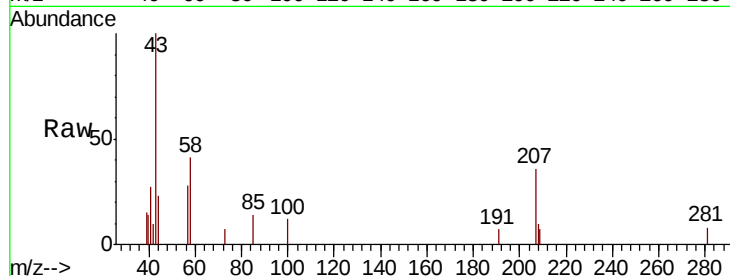
ClientSampled :

Tot Ion: 43 Resp: 3542

Ion Ratio Lower Upper

43 100

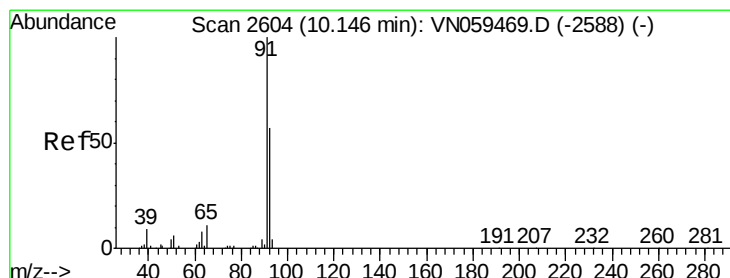
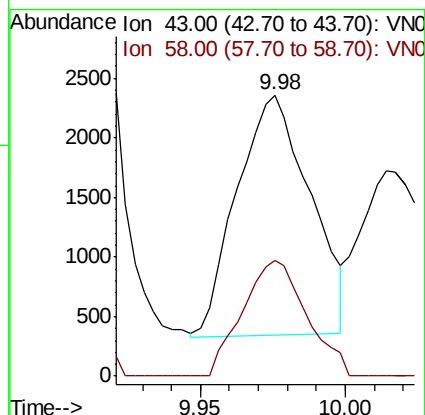
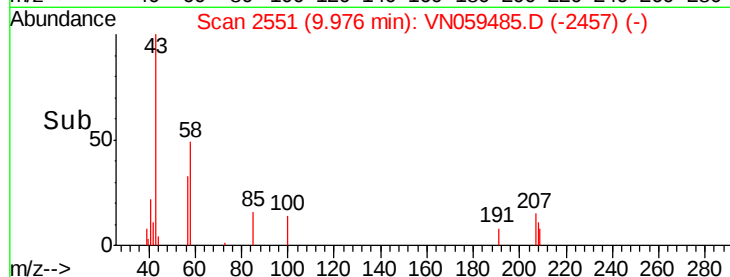
58 42.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-2533) (-)

Time-->



#52

Toluene

Concen: 8.306 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059485.D

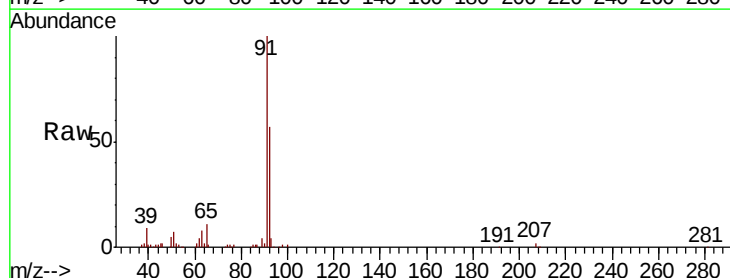
Acq: 4 Dec 2019 14:30

Tgt Ion: 92 Resp: 81264

Ion Ratio Lower Upper

92 100

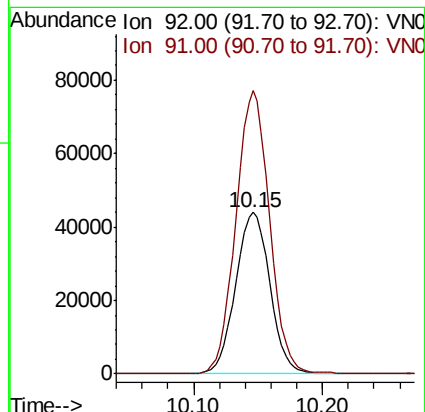
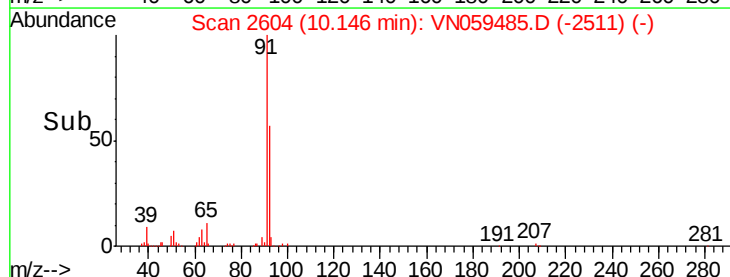
91 172.5 138.6 208.0

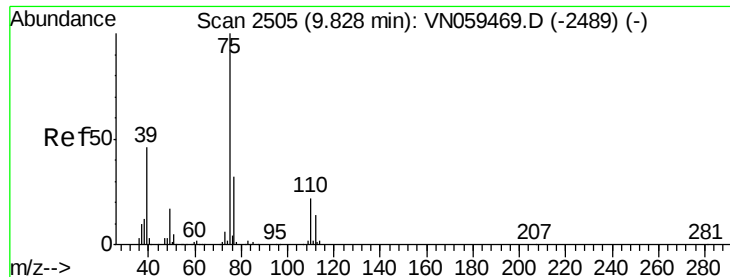


Abundance Ion 92.00 (91.70 to 92.70): VN059469.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059469.D (-2588) (-)

Time-->





#54

cis-1,3-Dichloropropene

Concen: 3.265 ug/l

RT: 9.90 min Scan# 2526

Delta R.T. 0.07 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA\_N

ClientSampleId :

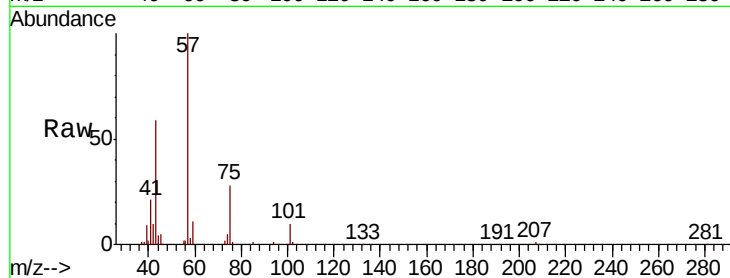
Tot Ion: 75 Resp: 21969

Ion Ratio Lower Upper

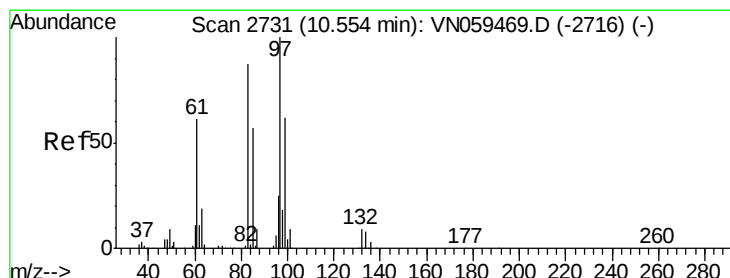
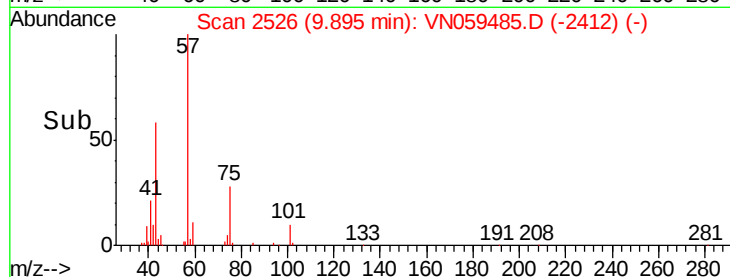
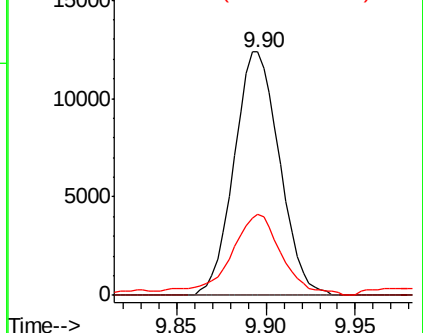
75 100

77 0.0 25.7 38.5#

39 31.8 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 76.90 (76.60 to 77.60): VNO  
Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane

Concen: 0.382 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.03 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Tgt Ion: 97 Resp: 1472

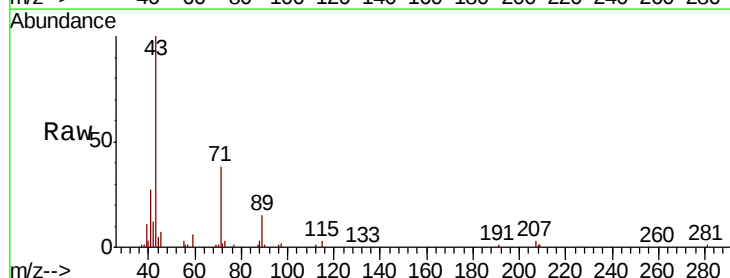
Ion Ratio Lower Upper

97 100

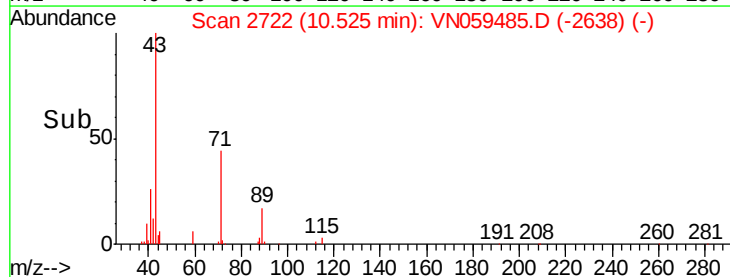
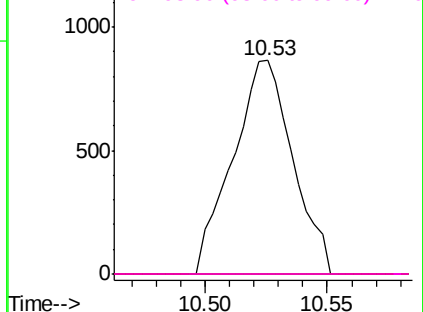
83 0.0 69.8 104.8#

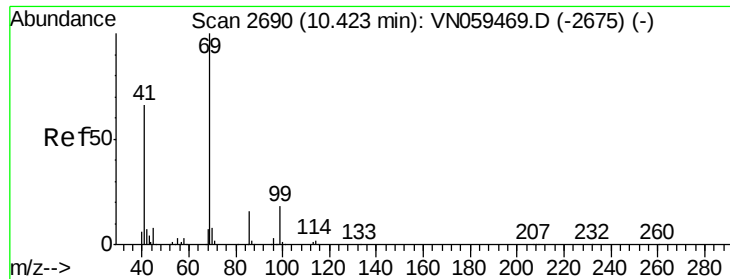
85 0.0 45.5 68.3#

99 0.0 50.0 75.0#



Abundance Ion 96.90 (96.60 to 97.60): VNO  
Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 98.90 (98.60 to 99.60): VNO

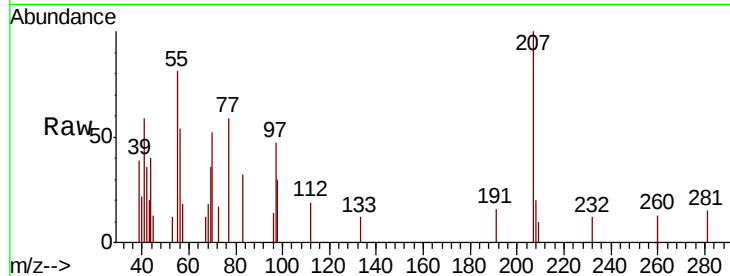




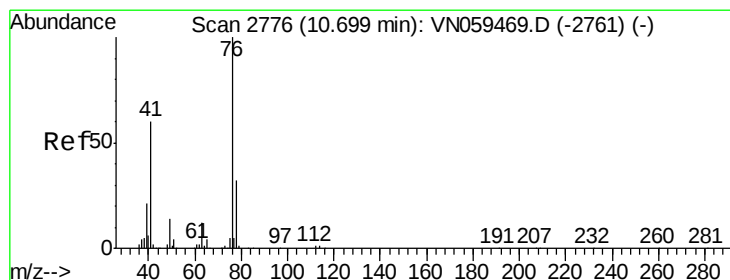
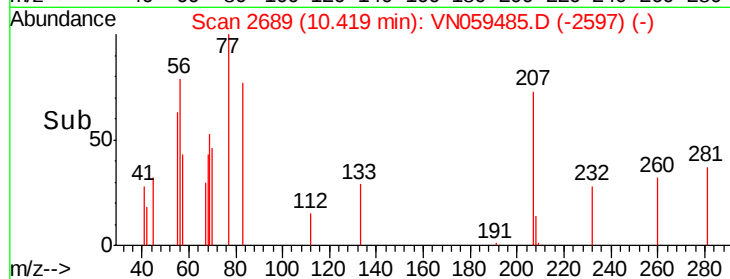
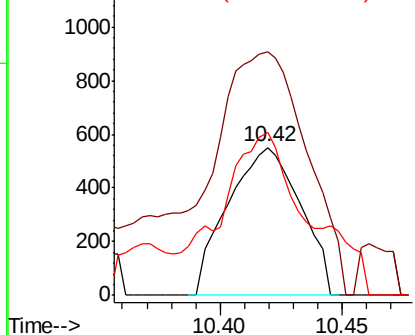
#56  
Ethyl methacrylate  
Concen: 1.628 ug/l  
RT: 10.42 min Scan# 2689  
Delta R.T. -0.00 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 69 Resp: 1133  
Ion Ratio Lower Upper  
69 100  
41 201.8 52.7 79.1#  
39 135.0 25.0 37.6#

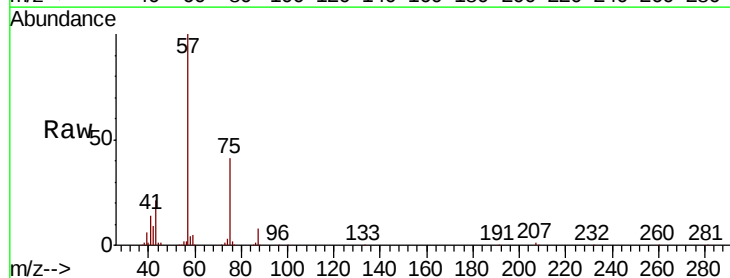


Abundance Ion 69.00 (68.70 to 69.70): VN0  
Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

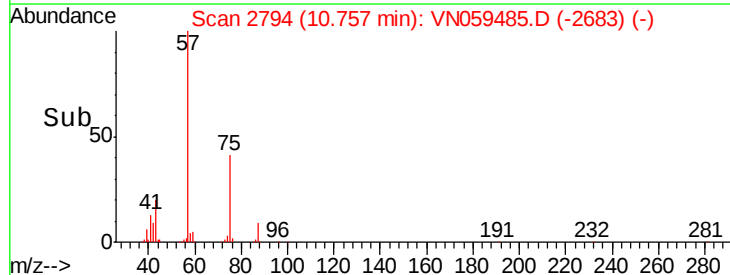
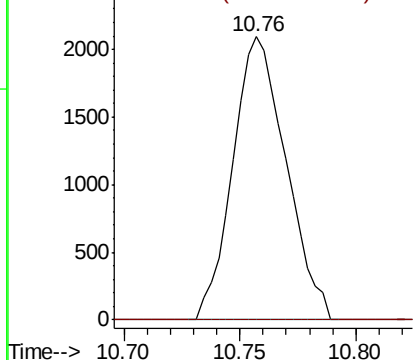


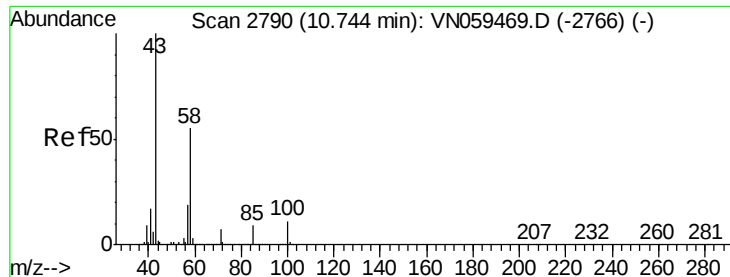
#57  
1,3-Dichloropropane  
Concen: 0.501 ug/l  
RT: 10.76 min Scan# 2794  
Delta R.T. 0.06 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion: 76 Resp: 3339  
Ion Ratio Lower Upper  
76 100  
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0  
Ion 77.90 (77.60 to 78.60): VN0

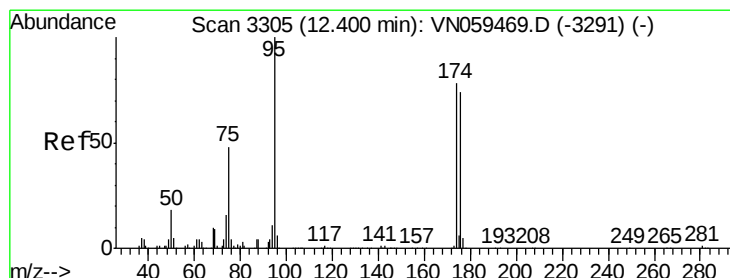
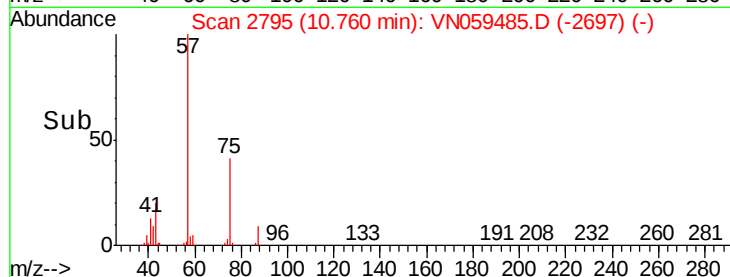
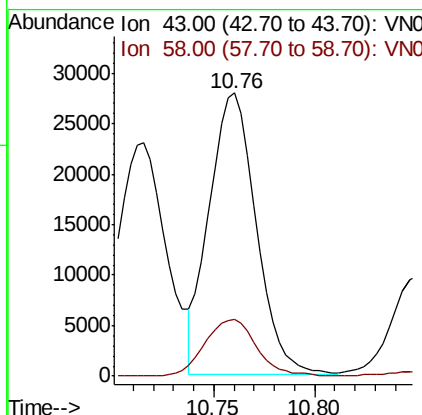
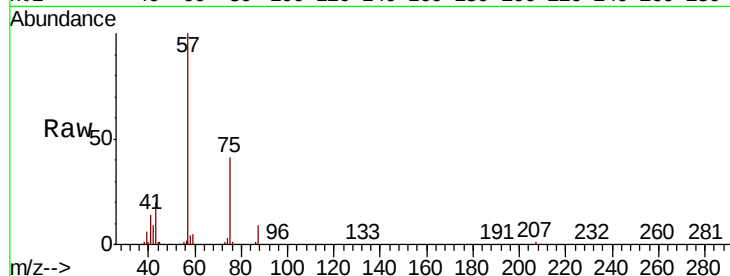




#59  
2-Hexanone  
Concen: 10.975 ug/l  
RT: 10.76 min Scan# 2795  
Delta R.T. 0.02 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

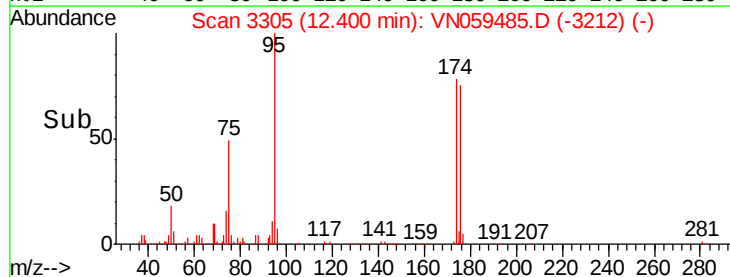
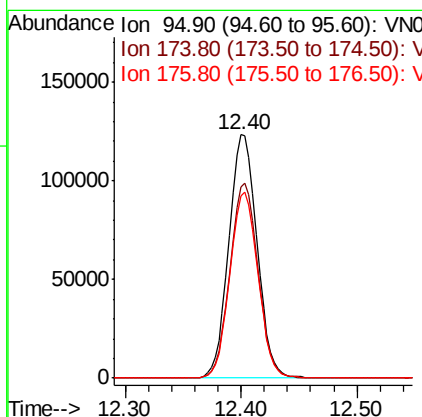
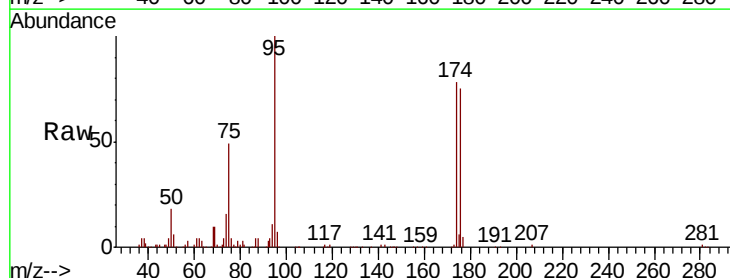
Instrument :  
MSVOA\_N  
ClientSampled :

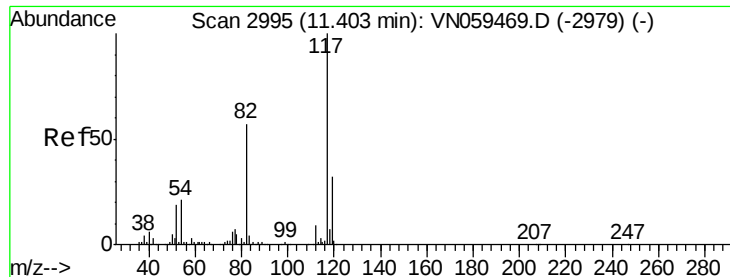
Tot Ion: 43 Resp: 44995  
Ion Ratio Lower Upper  
43 100  
58 22.1 27.7 83.0#



#62  
4-Bromofluorobenzene  
Concen: 45.518 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion: 95 Resp: 207218  
Ion Ratio Lower Upper  
95 100  
174 79.6 0.0 157.0  
176 76.3 0.0 152.4

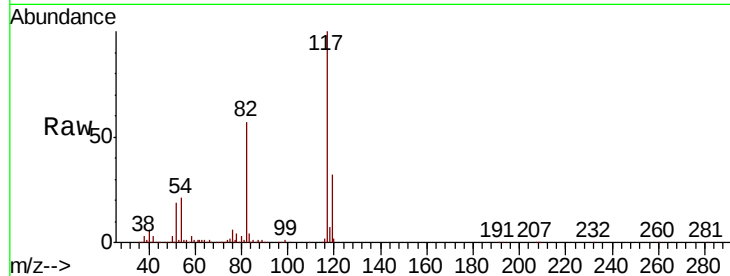




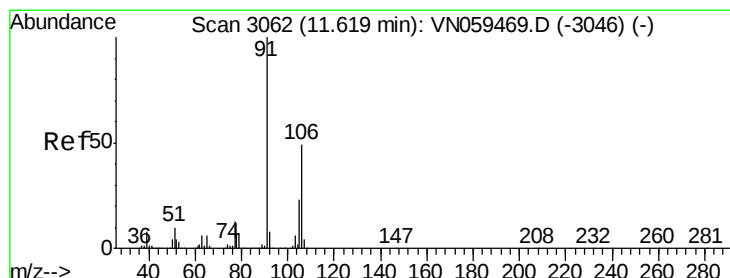
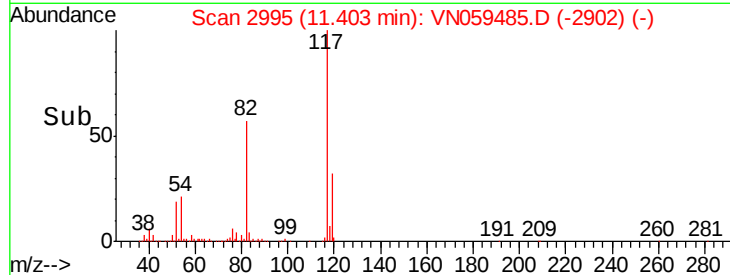
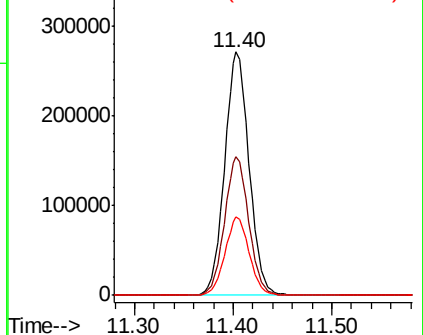
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:117 Resp: 470110  
Ion Ratio Lower Upper  
117 100  
82 57.0 45.8 68.8  
119 32.0 25.4 38.0

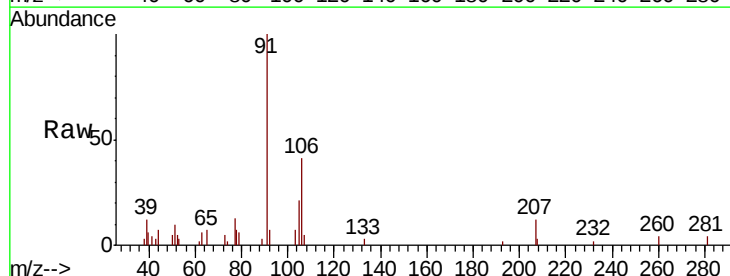


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

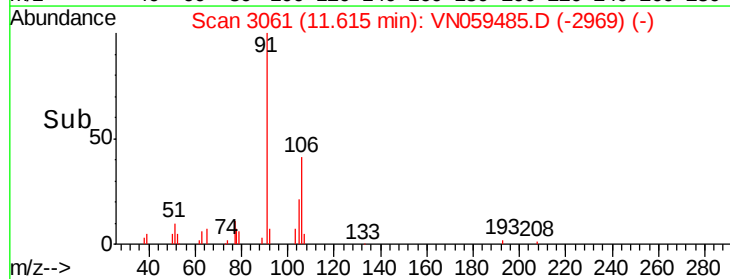
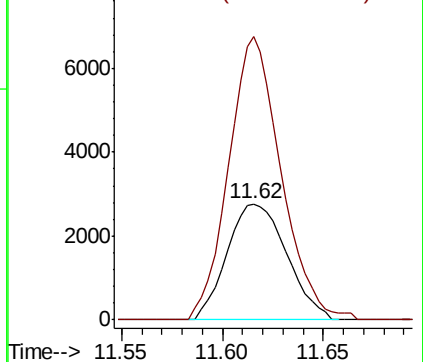


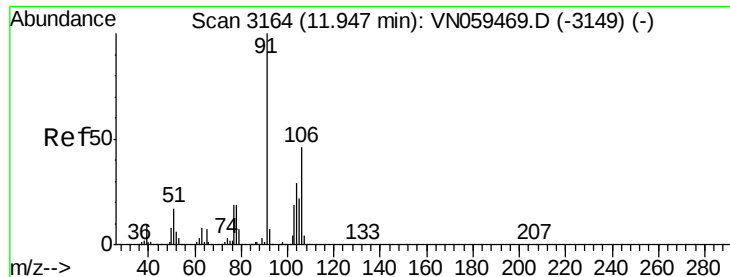
#68  
m/p-Xylenes  
Concen: 0.849 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion:106 Resp: 5695  
Ion Ratio Lower Upper  
106 100  
91 215.0 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

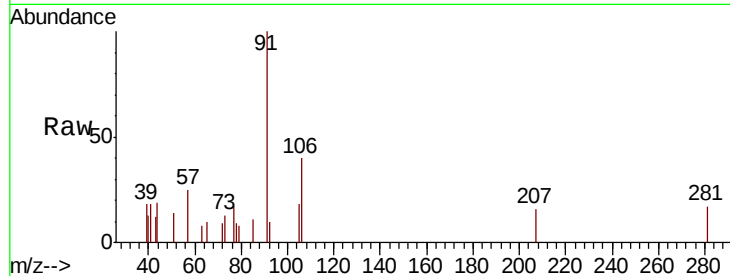




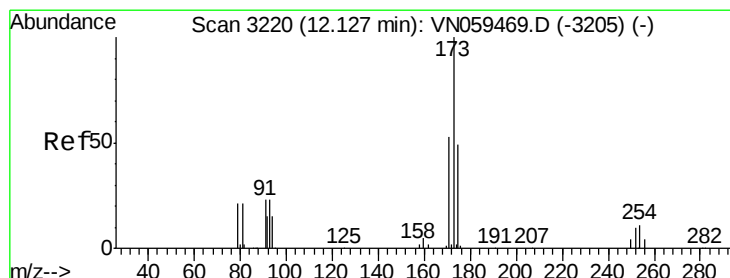
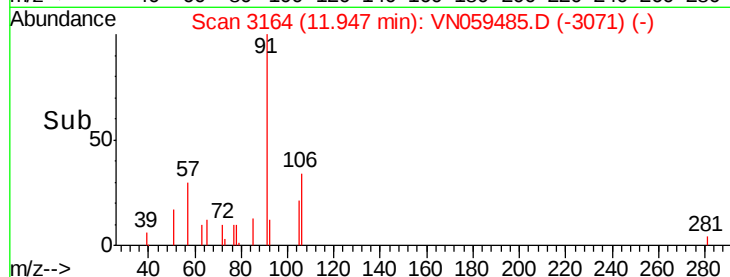
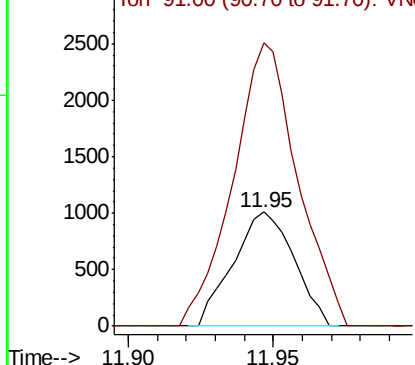
#69  
o-Xylene  
Concen: 0.230 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:106 Resp: 1470  
Ion Ratio Lower Upper  
106 100  
91 263.6 108.5 325.3

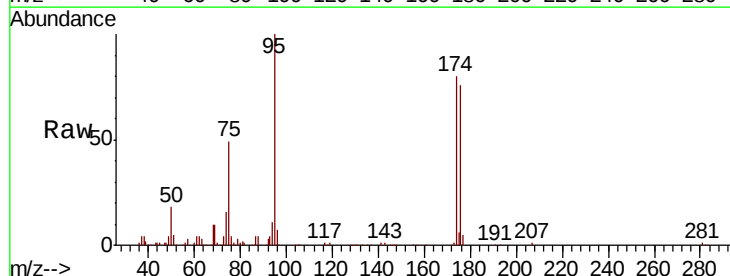


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

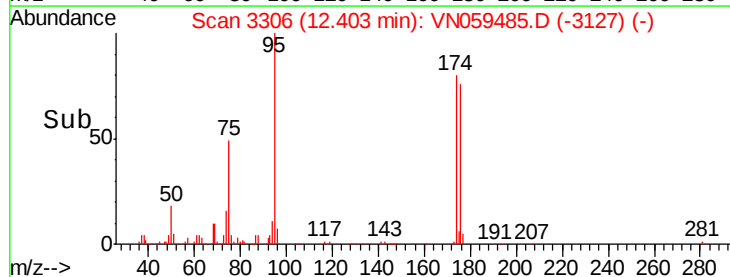
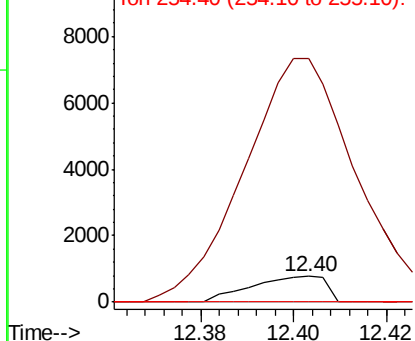


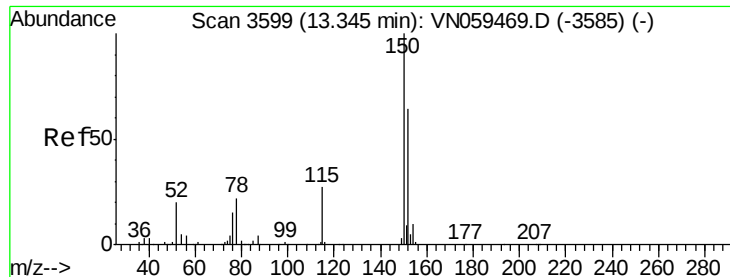
#71  
Bromoform  
Concen: 0.304 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.28 min  
Lab File: VN059485.D  
Acq: 4 Dec 2019 14:30

Tgt Ion:173 Resp: 875  
Ion Ratio Lower Upper  
173 100  
175 1217.0 24.3 73.0#  
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA\_N

ClientSampleId :

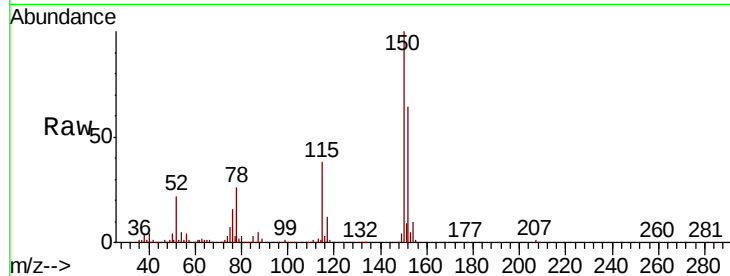
Tot Ion:152 Resp: 178523

Ion Ratio Lower Upper

152 100

115 58.8 29.2 87.6

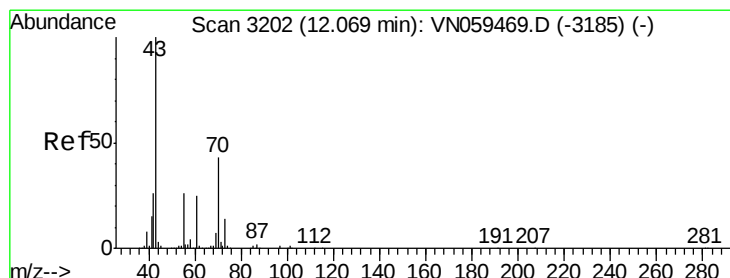
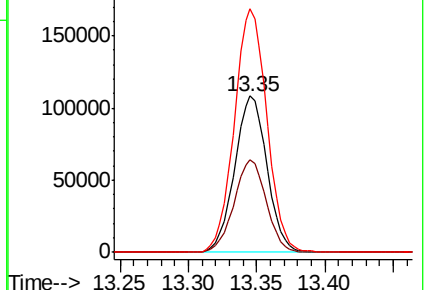
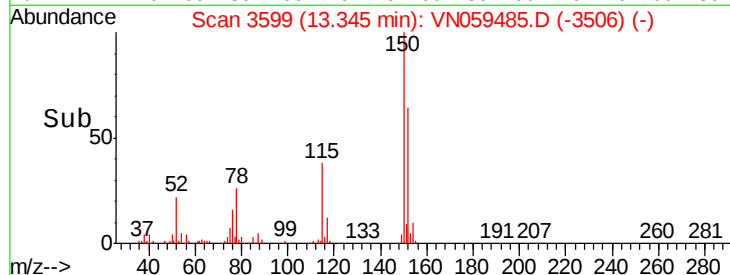
150 156.2 0.0 352.8



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



#74

N-ethyl acetate

Concen: 0.381 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Tgt Ion: 43 Resp: 2200

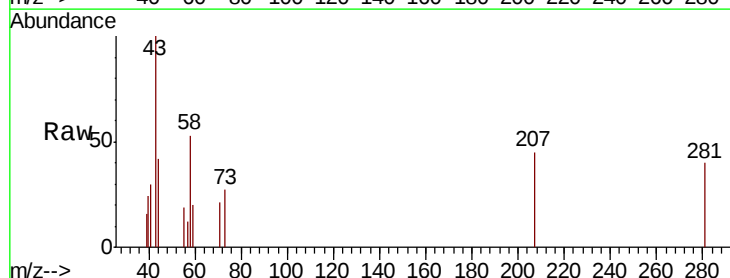
Ion Ratio Lower Upper

43 100

70 0.0 34.2 51.2#

55 0.0 20.6 31.0#

61 0.0 19.3 28.9#

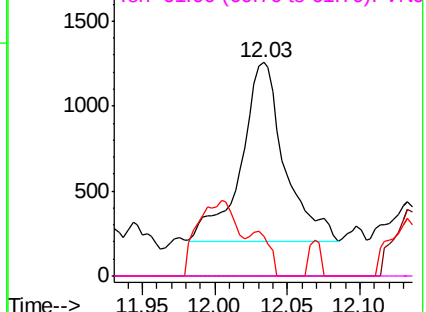
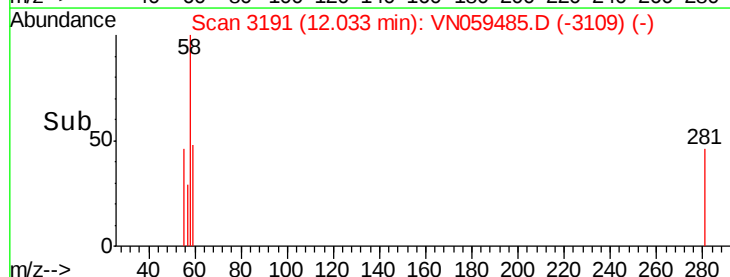


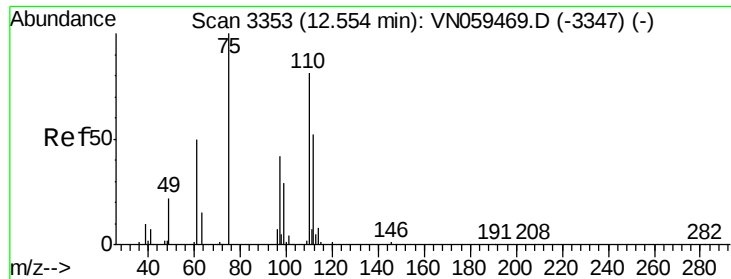
Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

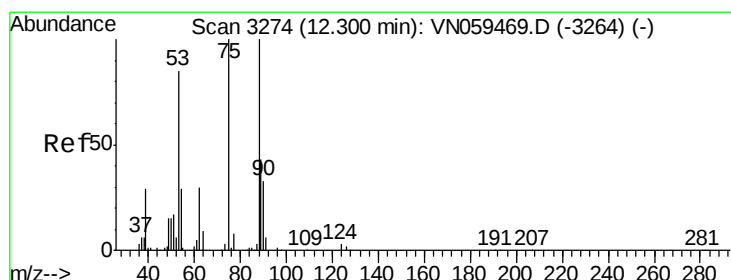
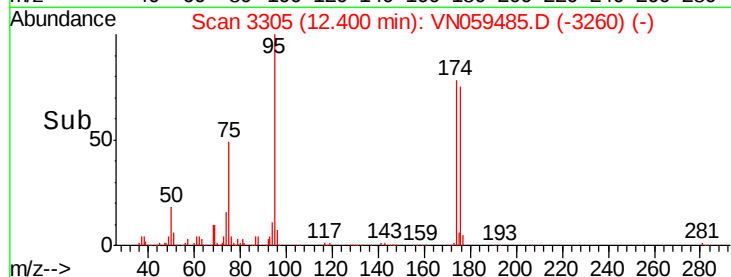
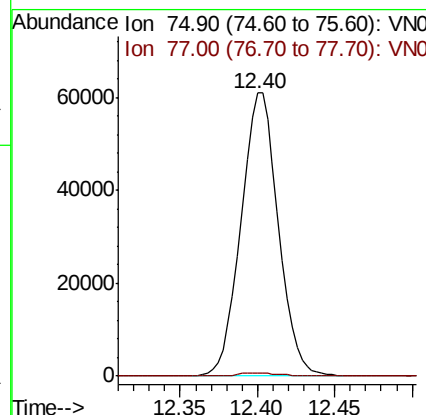
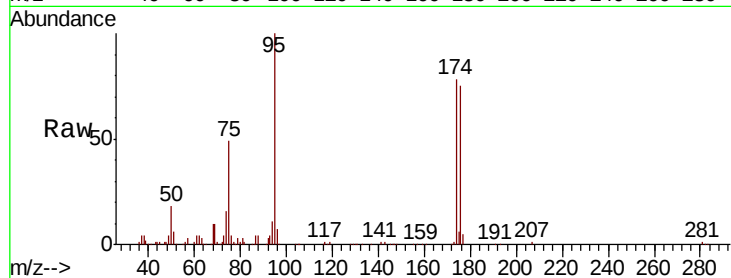




#76  
 1,2,3-Trichloropropane  
 Concen: 22.993 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.15 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

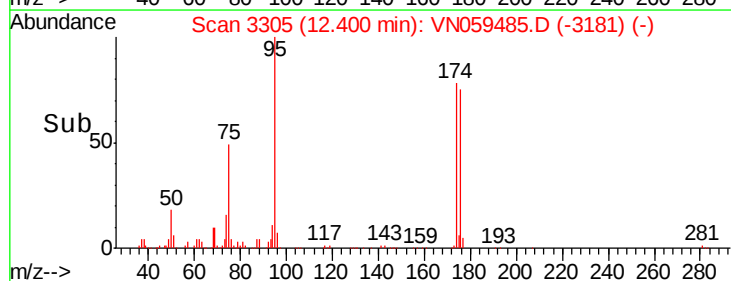
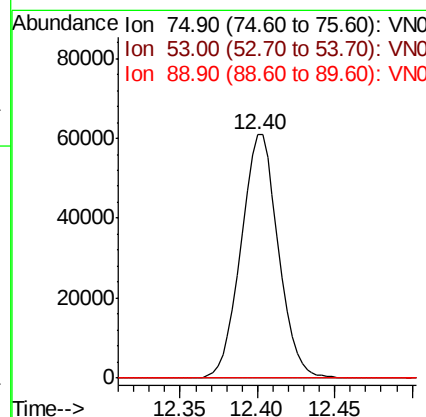
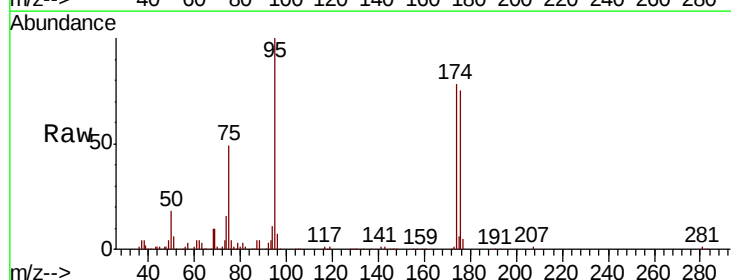
Instrument :  
 MSVOA\_N  
 ClientSampleId :

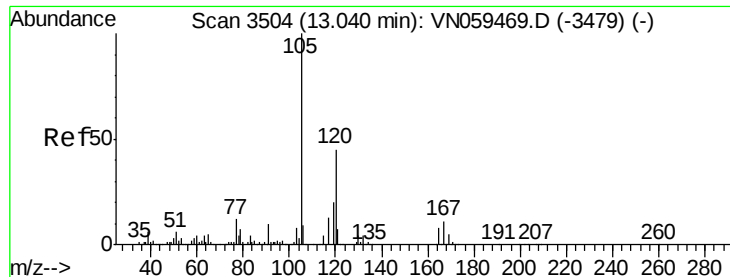
Tot Ion: 75 Resp: 102063  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 60.342 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

Tgt Ion: 75 Resp: 102063  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.8 104.6#  
 89 0.0 35.2 52.8#

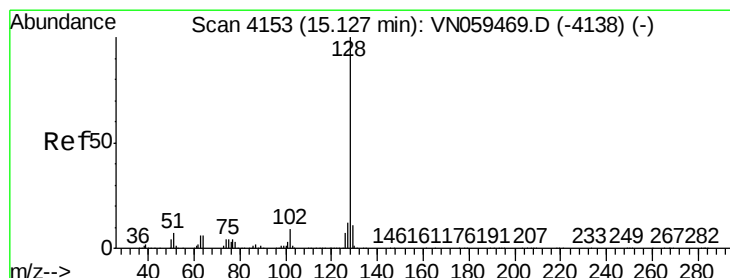
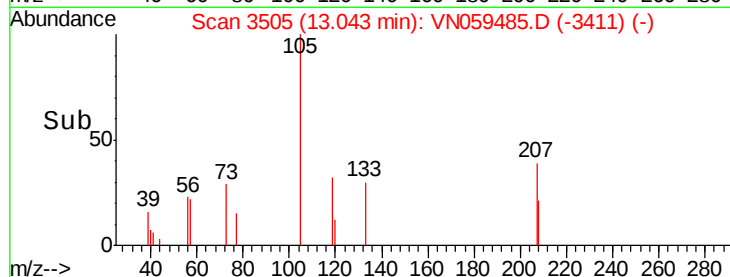
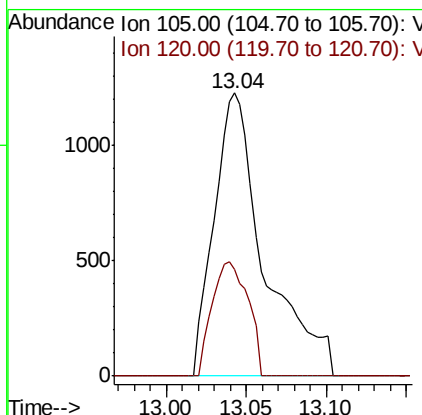
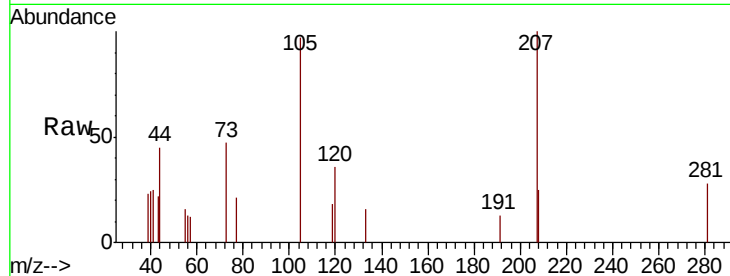




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.227 ug/l  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.00 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

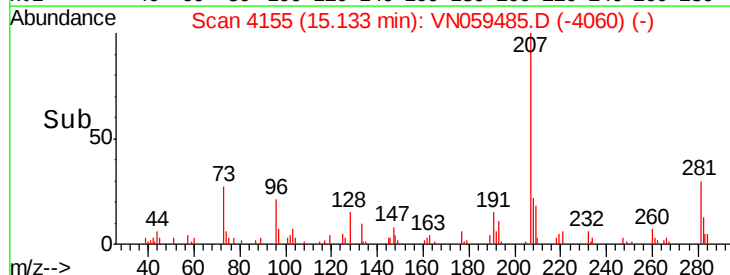
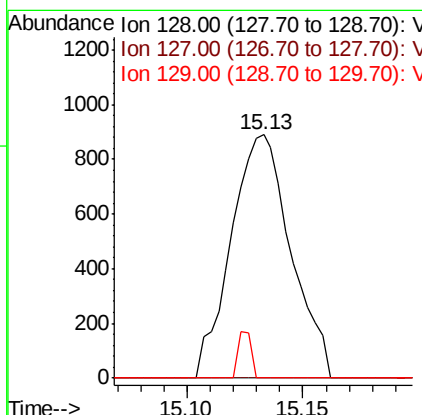
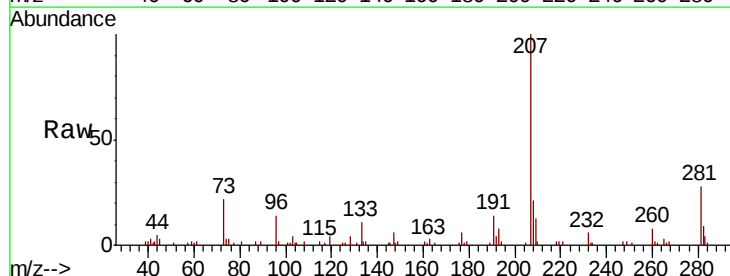
Instrument :  
 MSVOA\_N  
 ClientSampled :

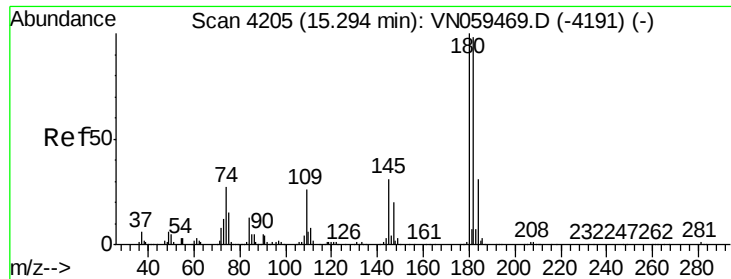
Tot Ion:105 Resp: 2651  
 Ion Ratio Lower Upper  
 105 100  
 120 28.7 22.6 67.8



#95  
 Naphthalene  
 Concen: 2.576 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. 0.01 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

Tgt Ion:128 Resp: 1594  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.2 15.4#  
 129 4.1 8.8 13.2#

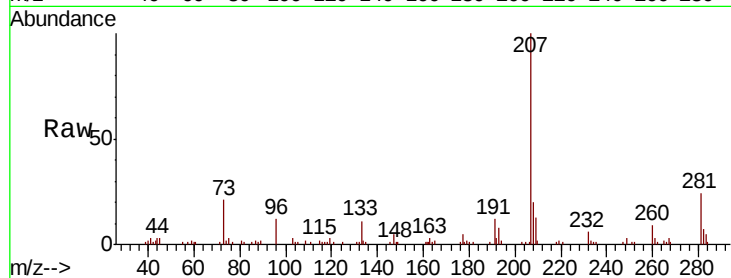




#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.098 ug/l  
 RT: 15.30 min Scan# 4208  
 Delta R.T. 0.01 min  
 Lab File: VN059485.D  
 Acq: 4 Dec 2019 14:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 54.0  | 48.5  | 145.5 |
| 145     | 0.0   | 16.1  | 48.2# |



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

