

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\  
 Data File : VN059165.D  
 Acq On : 11 Nov 2019 16:45  
 Operator : JC/SP  
 Sample : K5673-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 12 00:44:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 447984   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 707319   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 638426   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 239044   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 296467   | 53.84 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.68% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 222009   | 52.57 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.14% |          |
| 50) Toluene-d8              | 10.08 | 98   | 880972   | 52.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.92% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 286115   | 47.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.40%  |          |

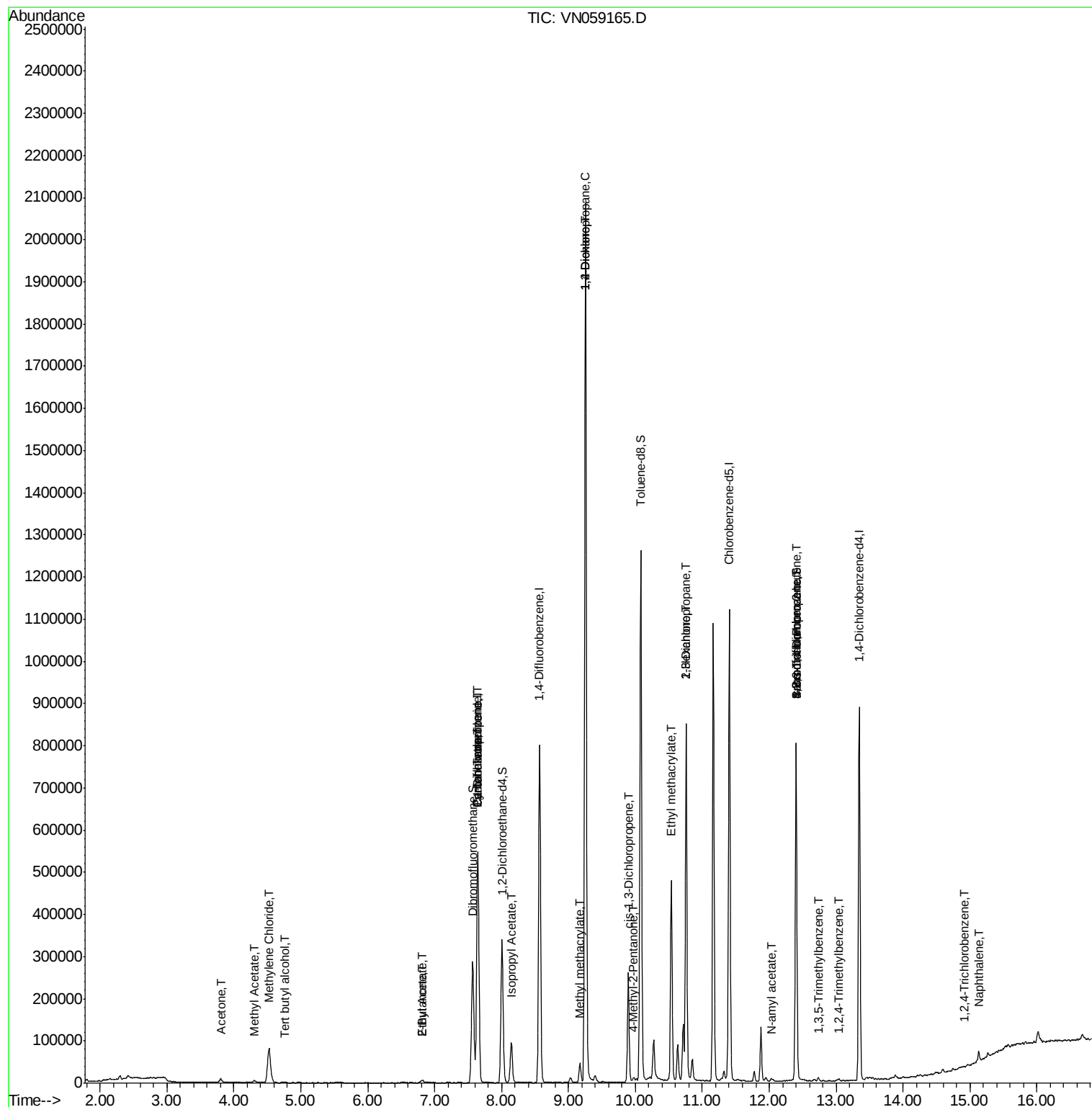
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.76  | 59   | 712      | 0.678  | ug/l # | 72     |
| 16) Acetone                    | 3.80  | 43   | 14947    | 5.220  | ug/l   | 99     |
| 18) Methyl Acetate             | 4.31  | 43   | 9165     | 1.348  | ug/l   | 92     |
| 20) Methylene Chloride         | 4.53  | 84   | 63965    | 12.821 | ug/l   | 95     |
| 25) 2-Butanone                 | 6.82  | 43   | 7287     | 1.931  | ug/l   | 96     |
| 31) Cyclohexane                | 7.64  | 56   | 9664     | 1.127  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 35178    | 5.321  | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.82  | 43   | 7287     | 0.991  | ug/l # | 69     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 43488    | 6.609  | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.14  | 43   | 113996   | 9.722  | ug/l # | 90     |
| 45) 1,2-Dichloropropane        | 9.25  | 63   | 2158     | 0.399  | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.16  | 41   | 6778     | 1.292  | ug/l # | 14     |
| 49) 1,4-Dioxane                | 9.26  | 88   | 70       | 0.751  | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 7786     | 1.174  | ug/l   | 90     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 45245    | 5.411  | ug/l # | 67     |
| 56) Ethyl methacrylate         | 10.54 | 69   | 1892     | 2.099  | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 8605     | 1.035  | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43   | 128581   | 25.250 | ug/l # | 52     |
| 71) Bromoform                  | 12.40 | 173  | 1551     | 0.427  | ug/l # | 1      |
| 74) N-amyl acetate             | 12.03 | 43   | 6057     | 0.822  | ug/l # | 46     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 143534   | 26.374 | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 3817     | 0.259  | ug/l   | 95     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 143534   | 69.661 | ug/l # | 13     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 3328     | 0.233  | ug/l   | 94     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 69       | 3.061  | ug/l # | 1      |
| 95) Naphthalene                | 15.13 | 128  | 18544    | 4.451  | ug/l   | 99     |

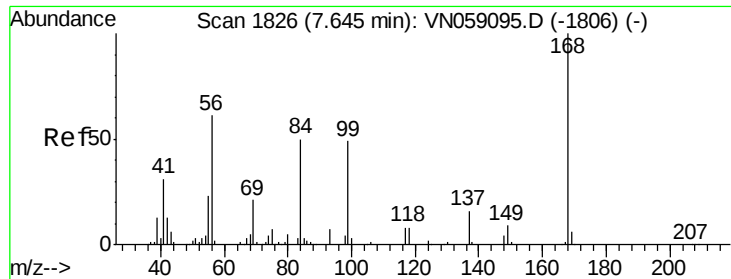
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Nov 07 04:00:41 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: VN059165.D

Acq: 11 Nov 2019 16:45

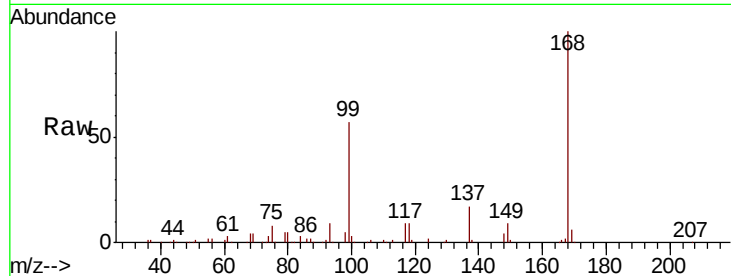
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 447984

Ion Ratio Lower Upper

168 100

99 57.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

200000

150000

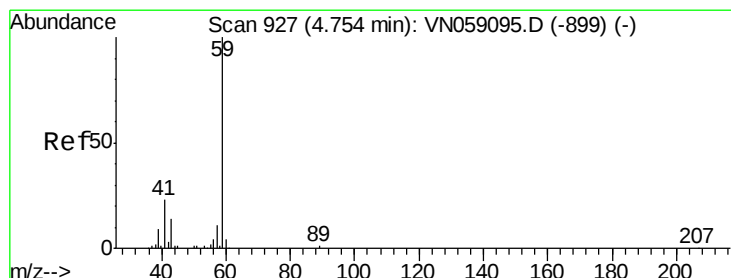
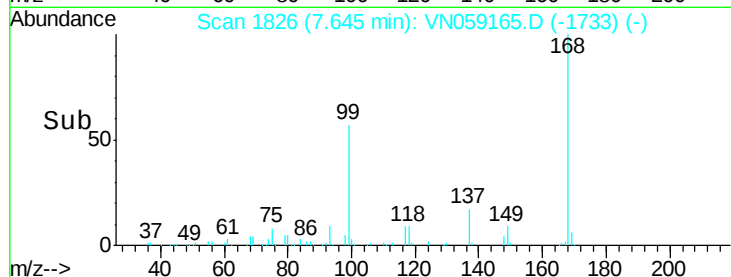
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.678 ug/l

RT: 4.76 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN059165.D

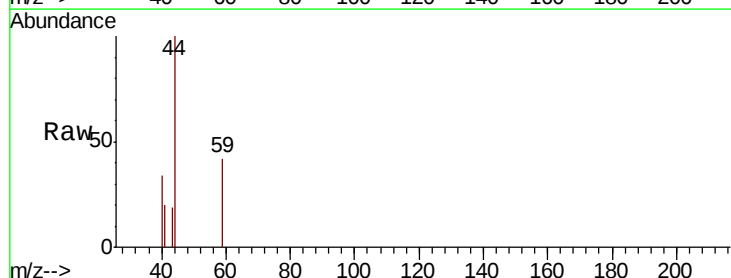
Acq: 11 Nov 2019 16:45

Tgt Ion: 59 Resp: 712

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.76

500

400

300

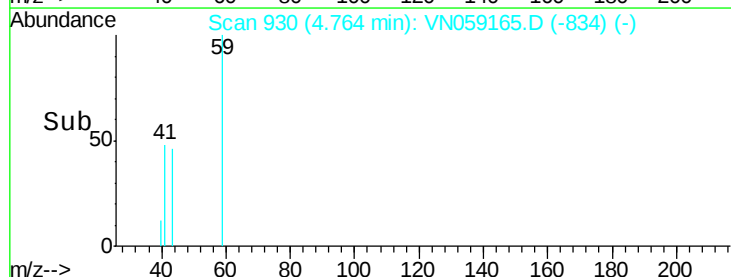
200

100

0

4.74 4.76 4.78 4.80

Time-->





#16

Acetone

Concen: 5.220 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA\_N

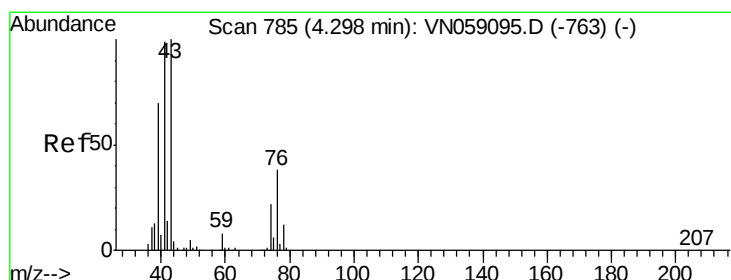
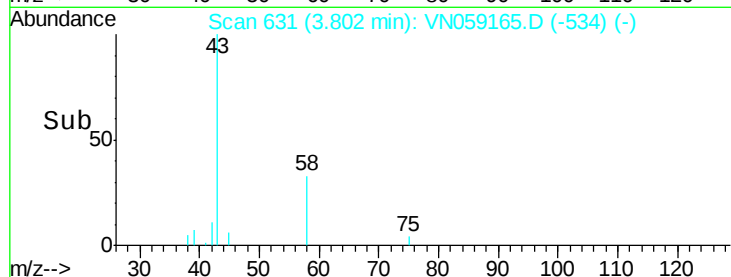
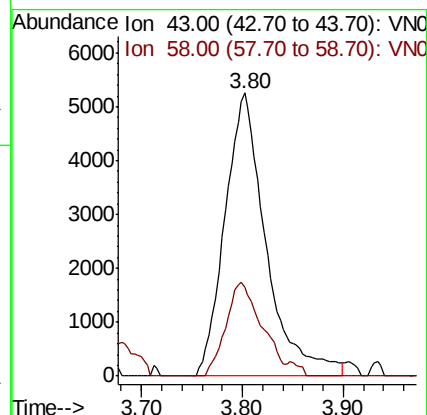
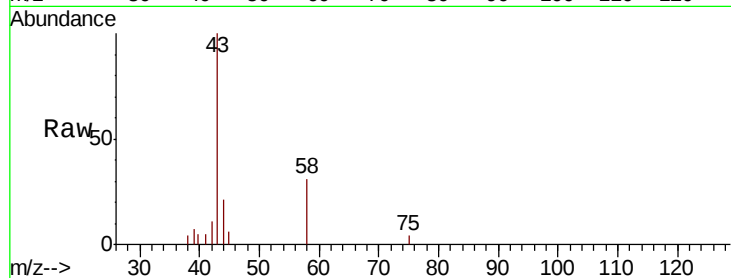
ClientSampled :

Tot Ion: 43 Resp: 14947

Ion Ratio Lower Upper

43 100

58 31.4 24.9 37.3



#18

Methyl Acetate

Concen: 1.348 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN059165.D

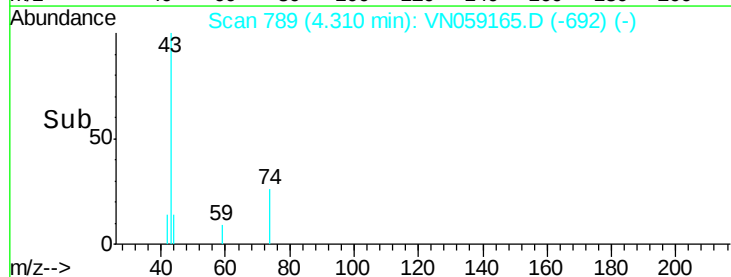
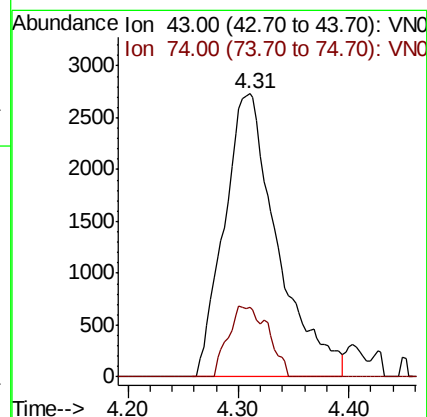
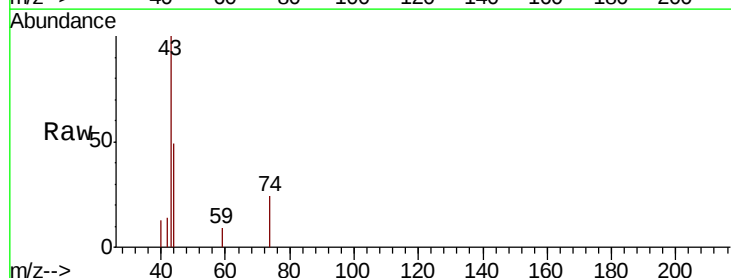
Acq: 11 Nov 2019 16:45

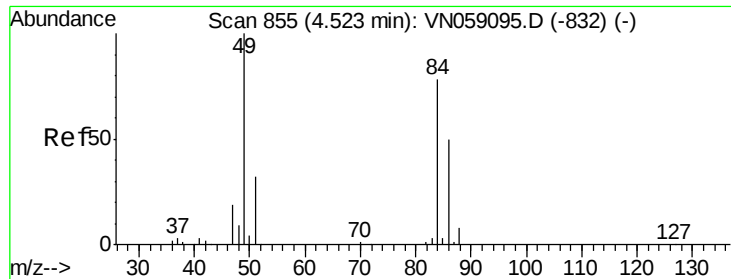
Tgt Ion: 43 Resp: 9165

Ion Ratio Lower Upper

43 100

74 18.7 17.8 26.8

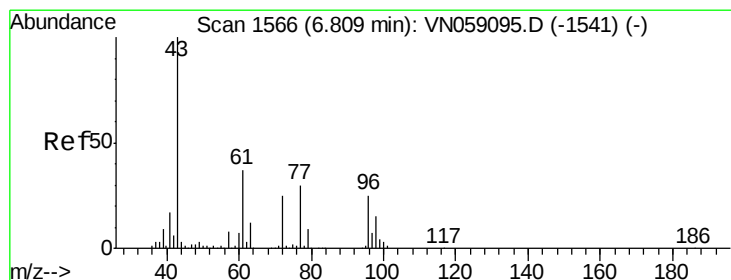
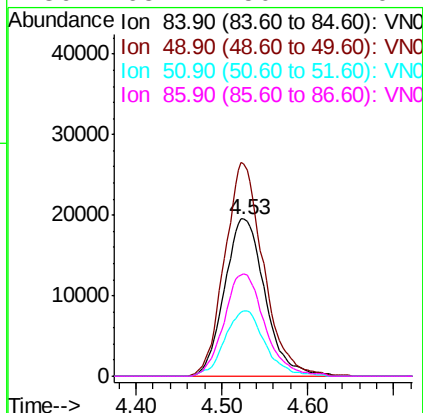
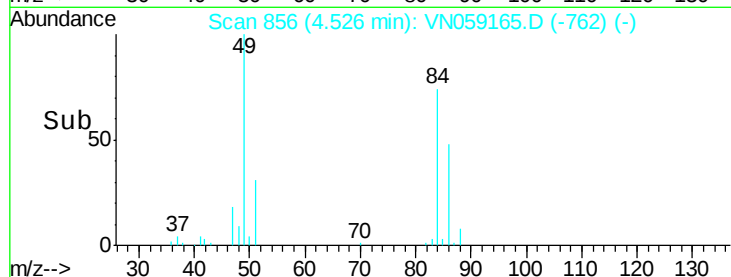
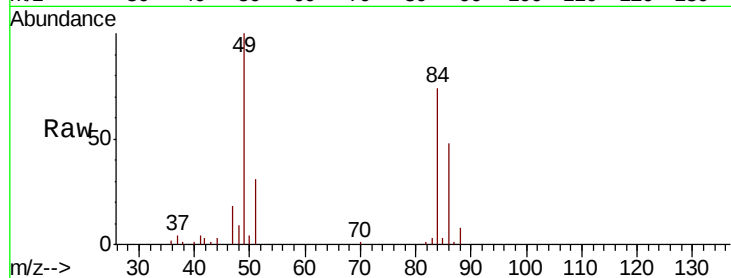




#20  
Methylene Chloride  
Concen: 12.821 ug/l  
RT: 4.53 min Scan# 856  
Delta R.T. 0.00 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

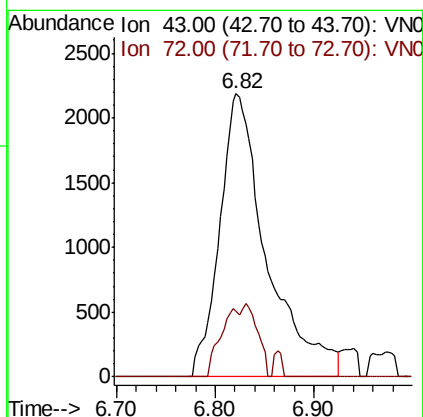
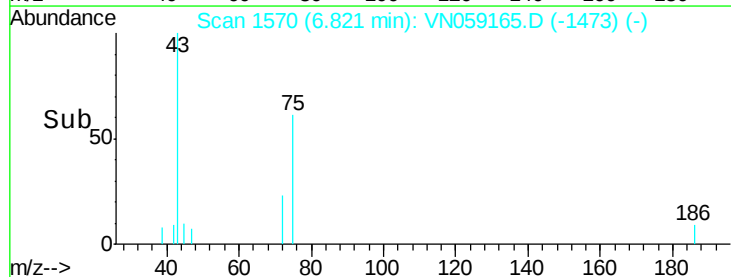
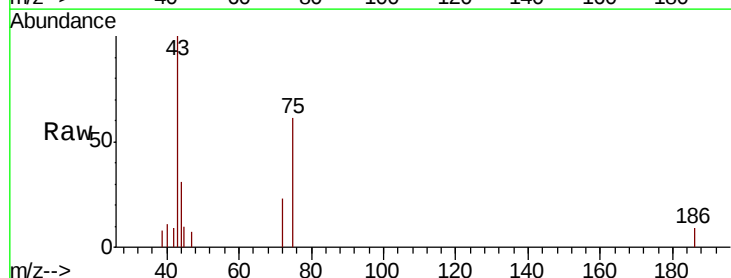
Instrument :  
MSVOA\_N  
ClientSampled :

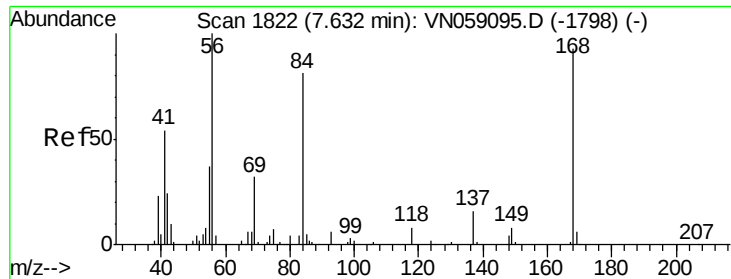
Tot Ion: 84 Resp: 63965  
Ion Ratio Lower Upper  
84 100  
49 135.3 102.0 153.0  
51 41.4 32.2 48.2  
86 65.1 50.7 76.1



#25  
2-Butanone  
Concen: 1.931 ug/l  
RT: 6.82 min Scan# 1570  
Delta R.T. 0.01 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

Tgt Ion: 43 Resp: 7287  
Ion Ratio Lower Upper  
43 100  
72 23.2 20.3 30.5

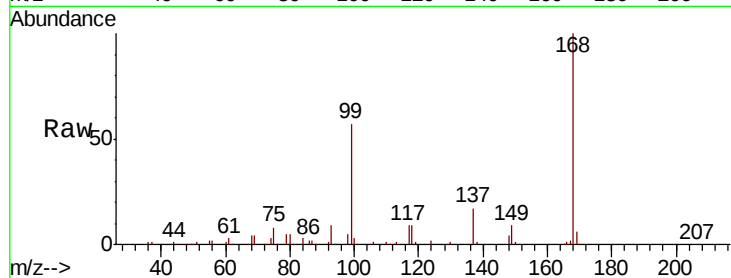




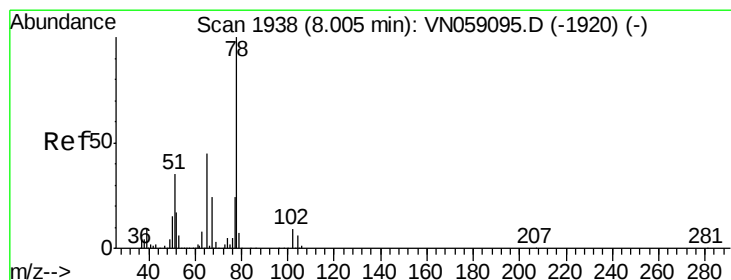
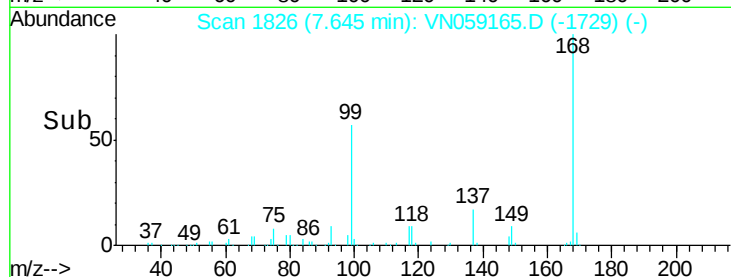
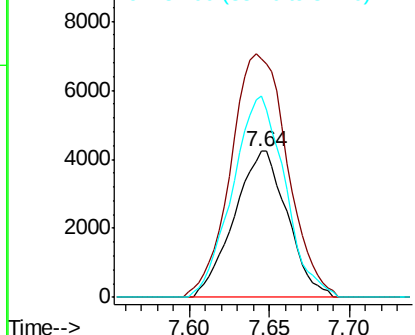
#31  
Cyclohexane  
Concen: 1.127 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. 0.01 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 56 Resp: 9664  
Ion Ratio Lower Upper  
56 100  
69 163.6 25.8 38.8#  
84 137.6 65.0 97.4#

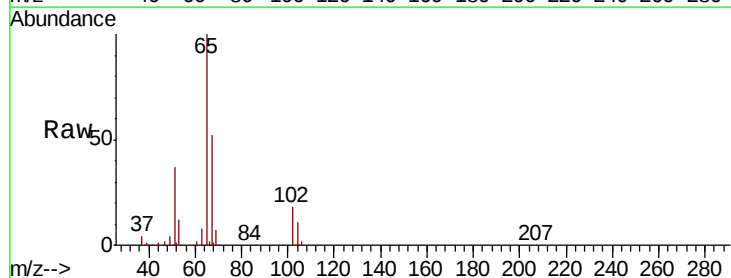


Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO

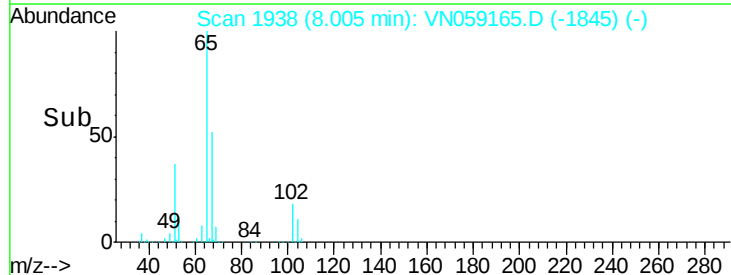
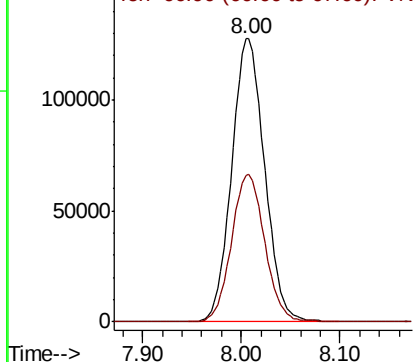


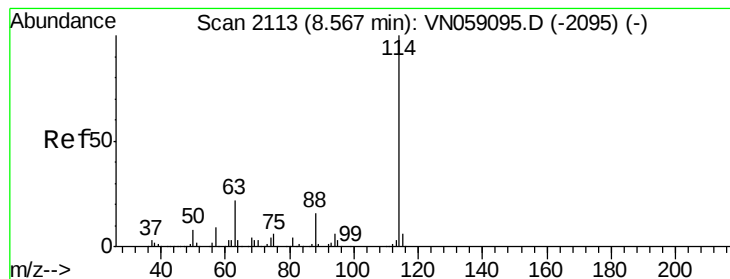
#33  
1,2-Dichloroethane-d4  
Concen: 53.836 ug/l  
RT: 8.00 min Scan# 1938  
Delta R.T. -0.00 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

Tgt Ion: 65 Resp: 296467  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNO  
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA\_N

ClientSampleId :

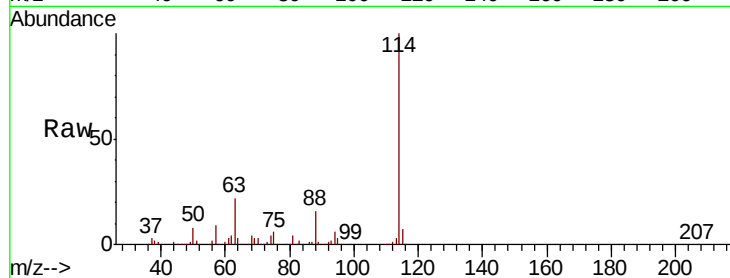
Tot Ion:114 Resp: 707319

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

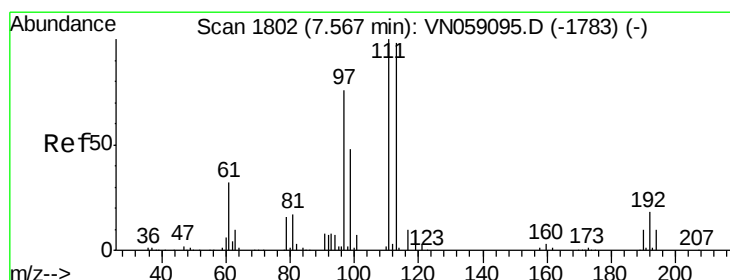
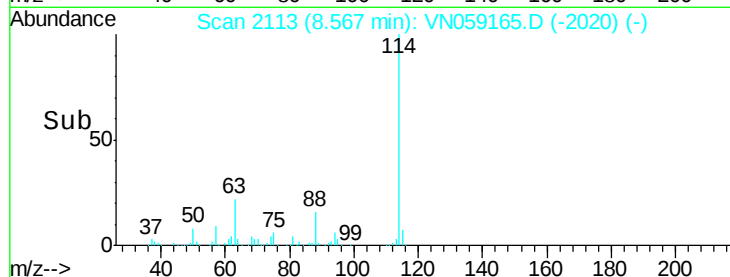
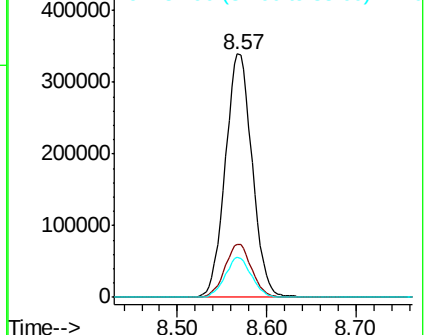
88 16.4 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 52.567 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

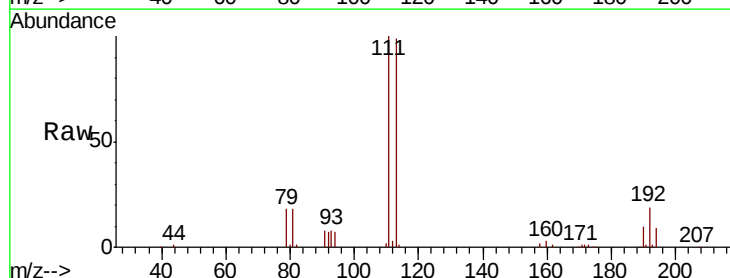
Tgt Ion:113 Resp: 222009

Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

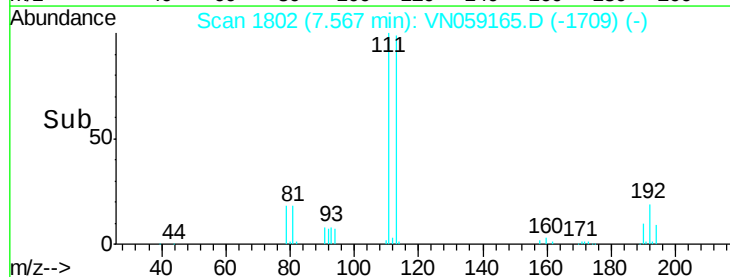
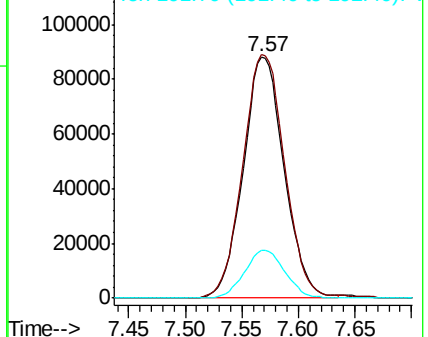
192 19.7 16.1 24.1

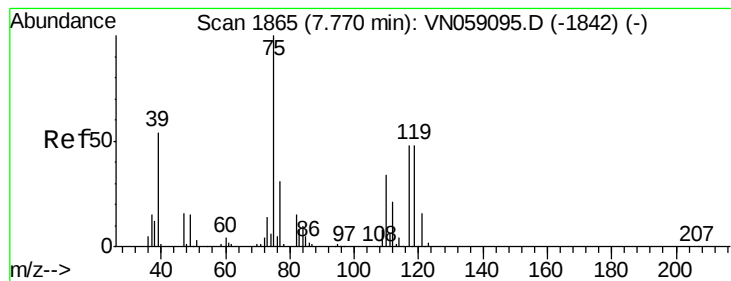


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.321 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA\_N

ClientSampled :

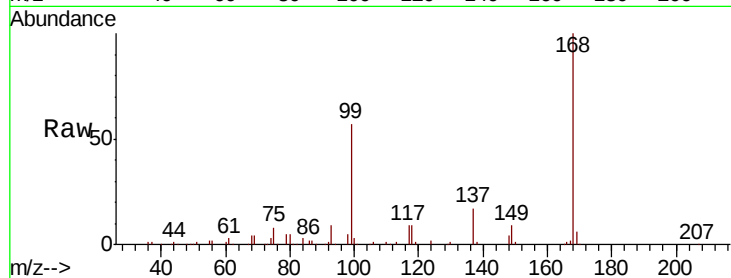
Tot Ion: 75 Resp: 35178

Ion Ratio Lower Upper

75 100

110 7.5 17.1 51.2#

77 0.0 24.8 37.2#

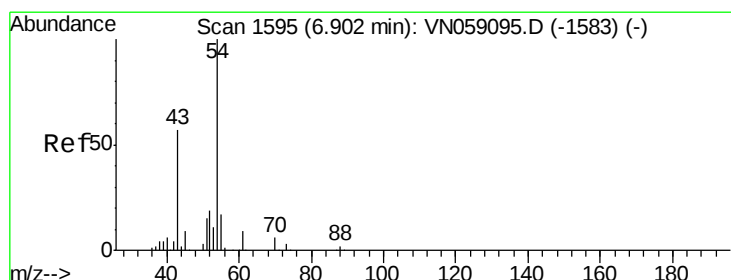
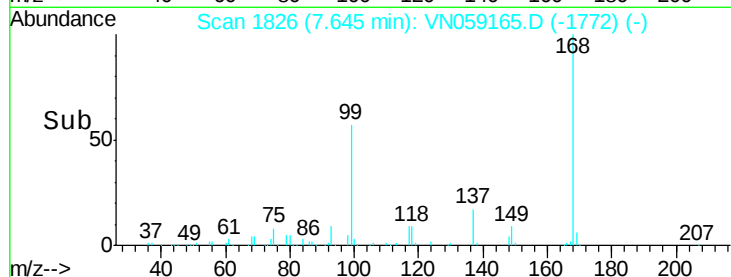


Abundance Ion 74.90 (74.60 to 75.60): VN059165.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN059165.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN059165.D (-1772) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.991 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.08 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

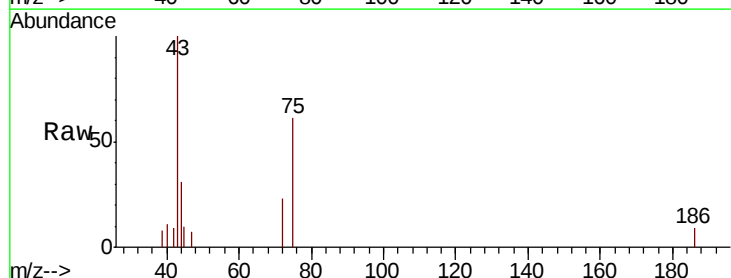
Tgt Ion: 43 Resp: 7287

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

70 0.0 7.8 11.8#

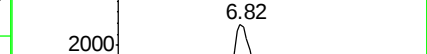
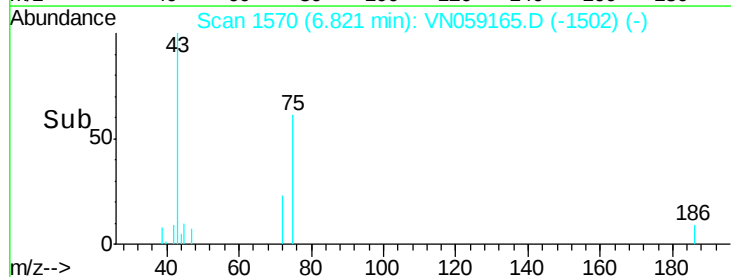


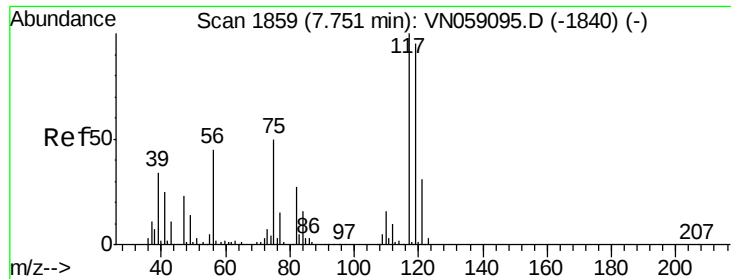
Abundance Ion 43.00 (42.70 to 43.70): VN059165.D (-1502) (-)

Ion 60.90 (60.60 to 61.60): VN059165.D (-1502) (-)

Ion 70.00 (69.70 to 70.70): VN059165.D (-1502) (-)

Time-->

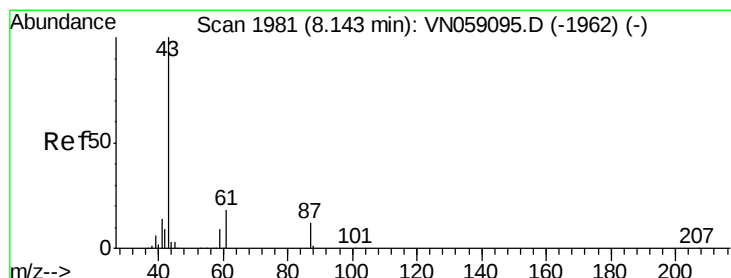
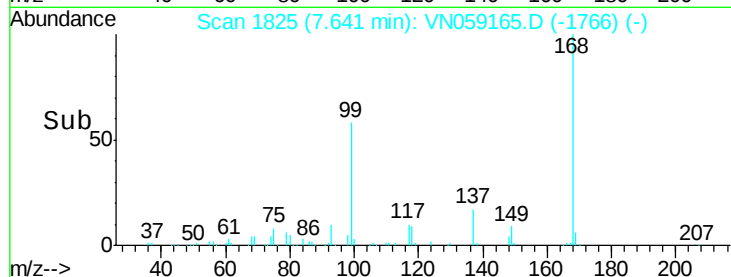
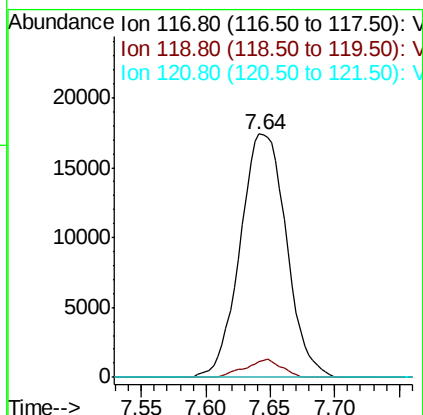
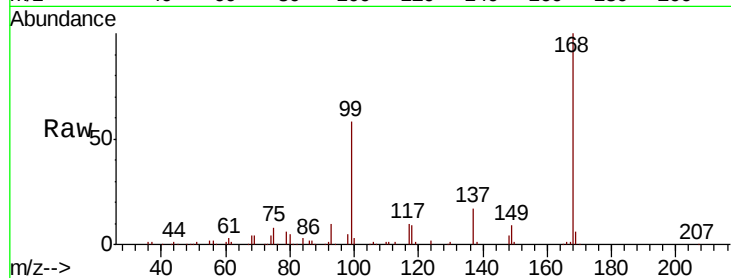




#38  
Carbon Tetrachloride  
Concen: 6.609 ug/l  
RT: 7.64 min Scan# 1825  
Delta R.T. -0.11 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

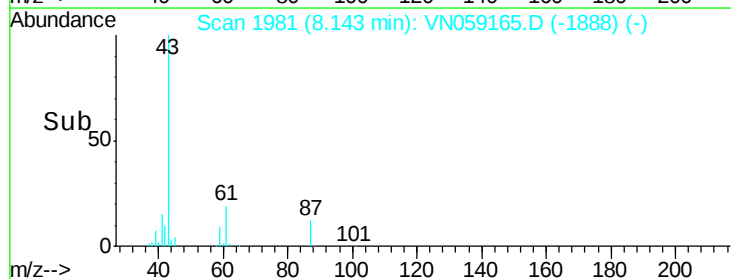
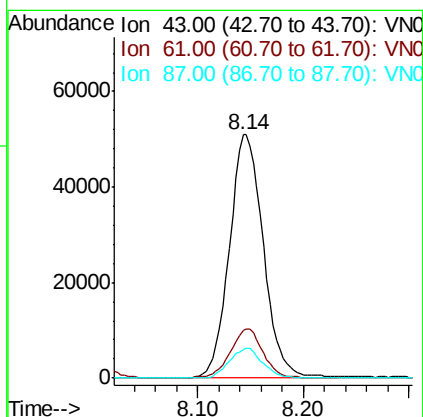
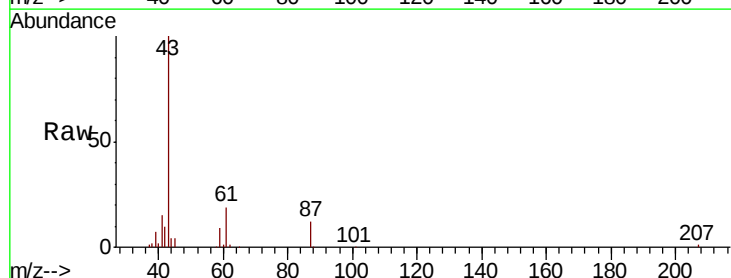
Instrument :  
MSVOA\_N  
ClientSampleId :

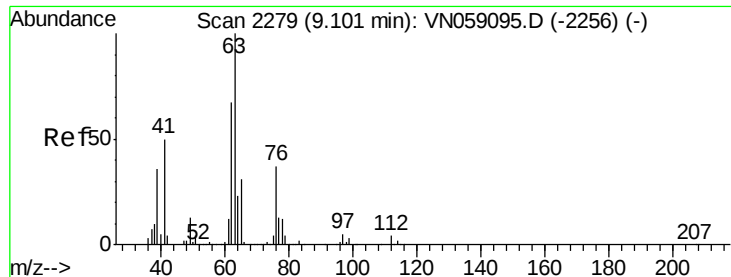
Tot Ion:117 Resp: 43488  
Ion Ratio Lower Upper  
117 100  
119 6.3 75.6 113.4#  
121 0.0 24.6 36.8#



#43  
Isopropyl Acetate  
Concen: 9.722 ug/l  
RT: 8.14 min Scan# 1981  
Delta R.T. -0.00 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

Tgt Ion: 43 Resp: 113996  
Ion Ratio Lower Upper  
43 100  
61 19.3 21.0 31.6#  
87 11.9 9.8 14.6





#45

1,2-Dichloropropane

Concen: 0.399 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA\_N

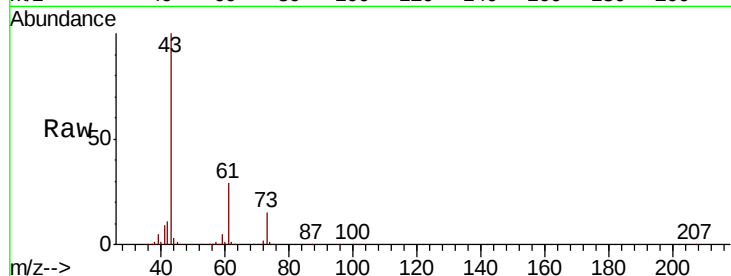
ClientSampled :

Tot Ion: 63 Resp: 2158

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

9.25

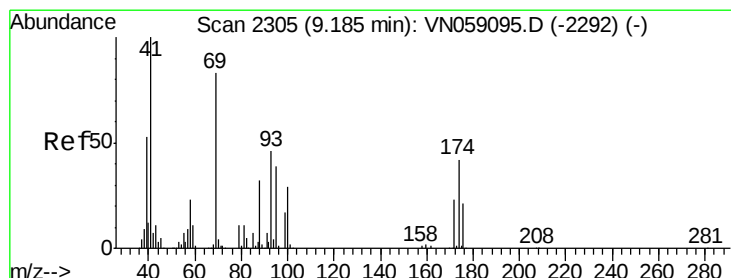
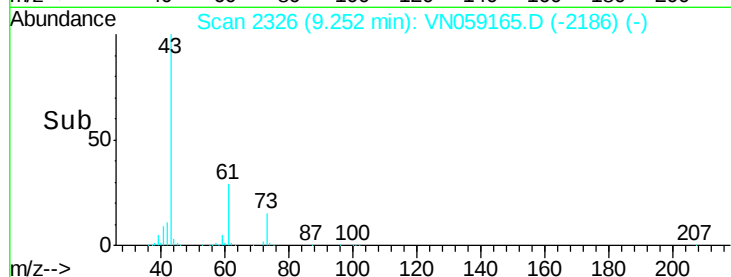
1500

1000

500

0

Time--> 9.20 9.25 9.30



#48

Methyl methacrylate

Concen: 1.292 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

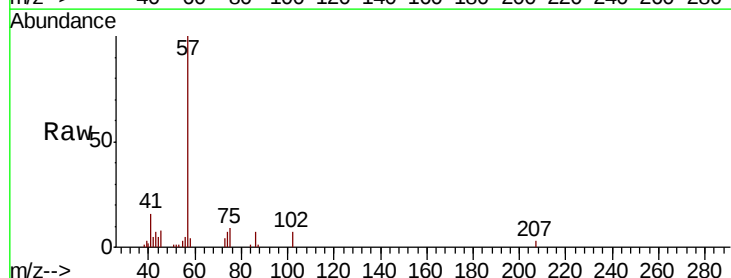
Tgt Ion: 41 Resp: 6778

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 43.3 64.9#



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

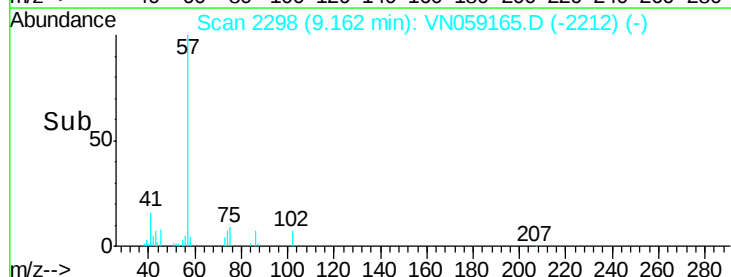
Ion 39.00 (38.70 to 39.70): VNC

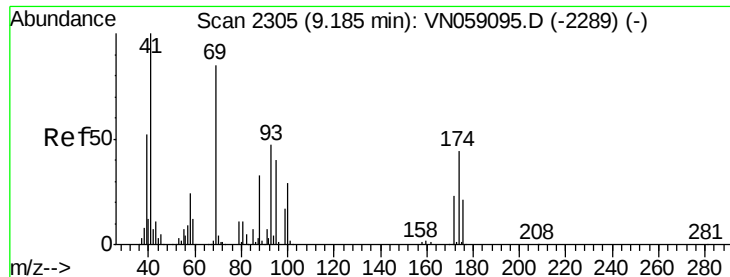
100000

50000

0

Time--> 9.10 9.15 9.20





#49

1,4-Dioxane

Concen: 0.751 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.08 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

Instrument :  
MSVOA\_N  
ClientSampleId :

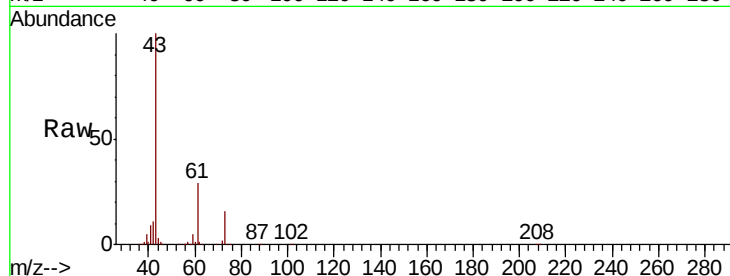
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

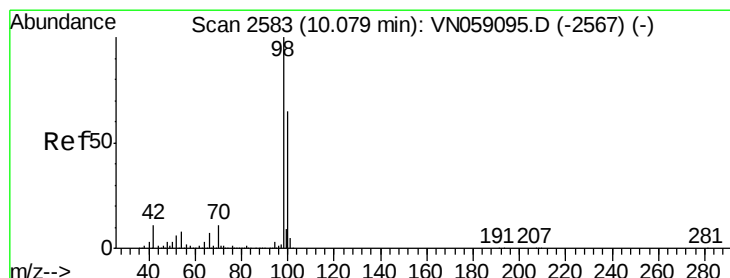
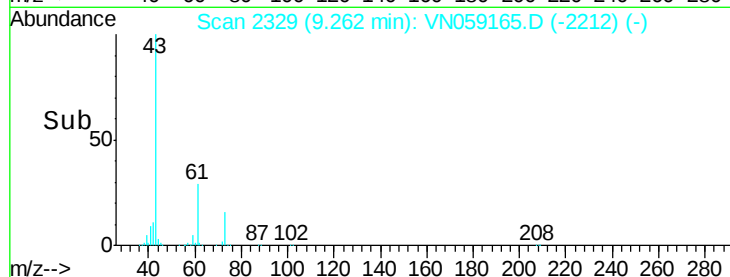
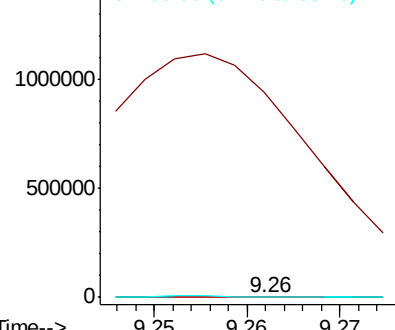
88 100

43 2948921.4 26.3 39.5#

58 13272.9 60.6 90.8#



Abundance Ion 88.00 (87.70 to 88.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 58.00 (57.70 to 58.70): VNC



#50

Toluene-d8

Concen: 52.957 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059165.D

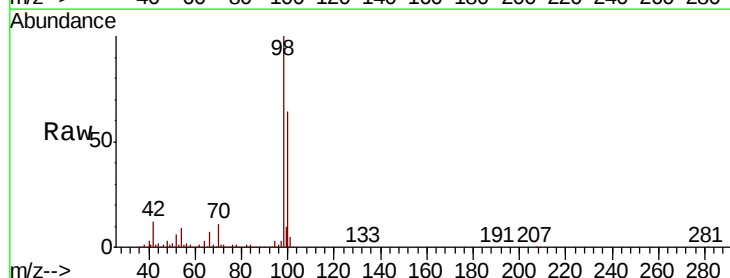
Acq: 11 Nov 2019 16:45

Tgt Ion: 98 Resp: 880972

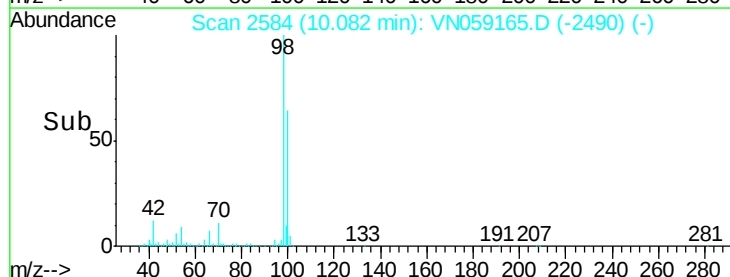
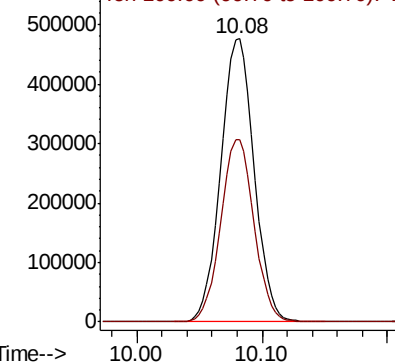
Ion Ratio Lower Upper

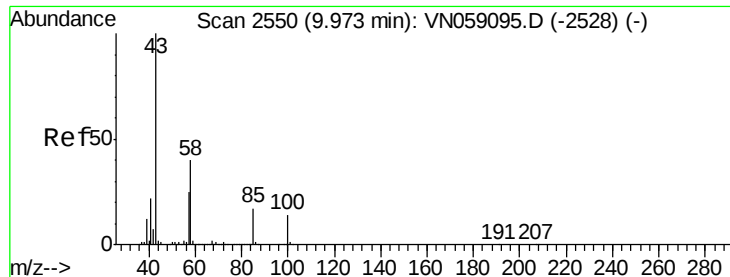
98 100

100 64.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VNC  
Ion 100.00 (99.70 to 100.70): VNC

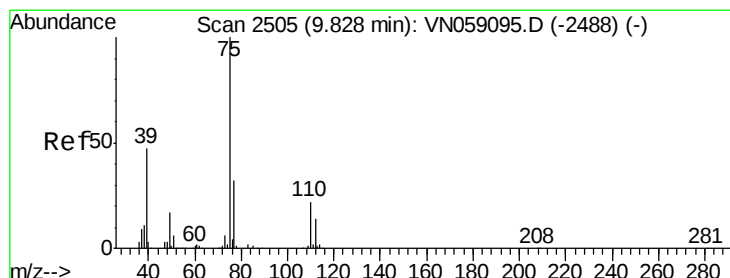
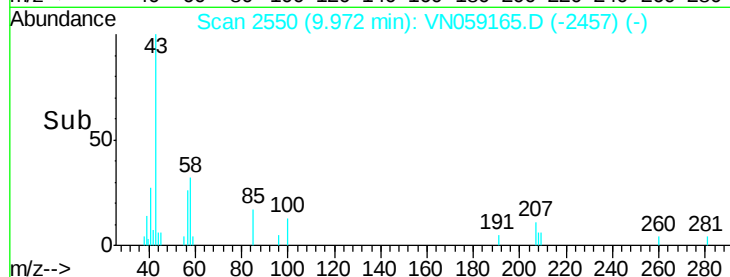
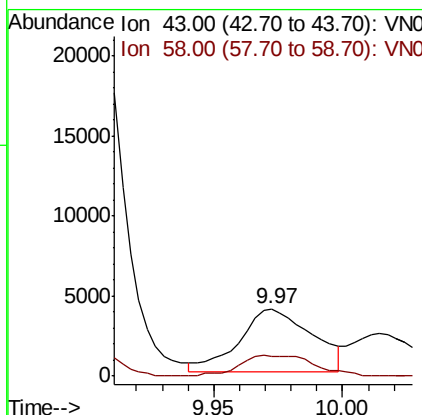
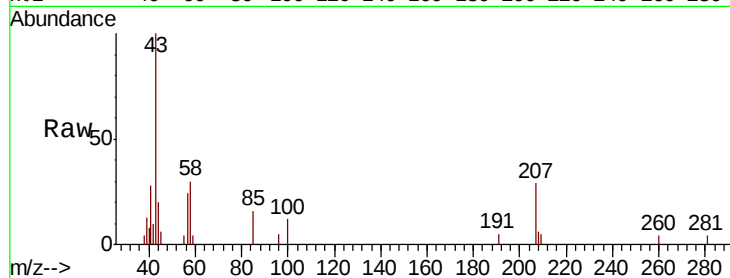




#51  
 4-Methyl-2-Pentanone  
 Concen: 1.174 ug/l  
 RT: 9.97 min Scan# 2550  
 Delta R.T. -0.00 min  
 Lab File: VN059165.D  
 Acq: 11 Nov 2019 16:45

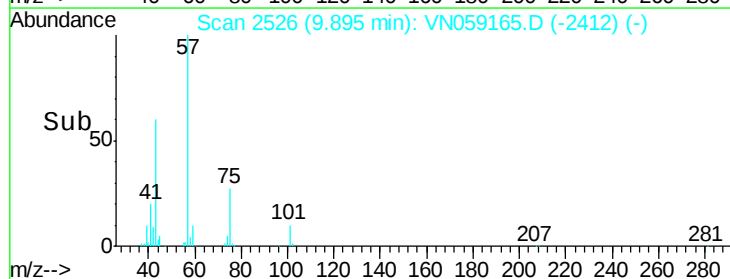
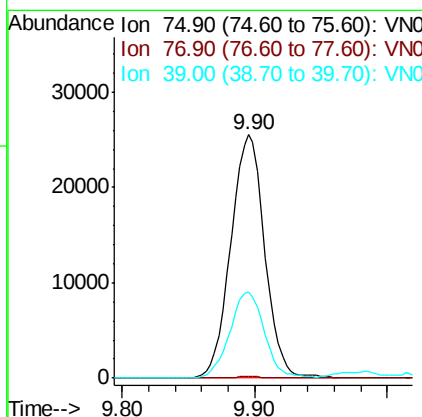
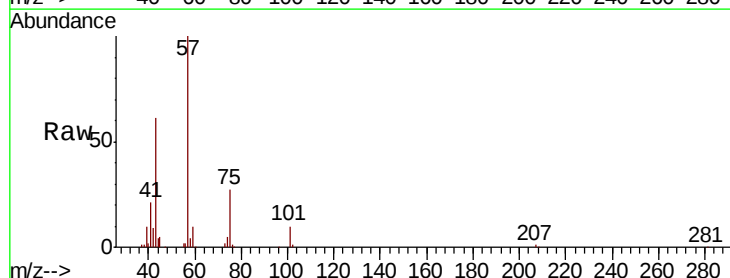
Instrument :  
 MSVOA\_N  
 ClientSampled :

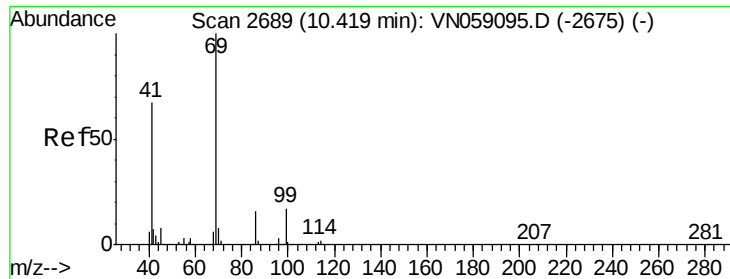
Tot Ion: 43 Resp: 7786  
 Ion Ratio Lower Upper  
 43 100  
 58 33.2 31.5 47.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 5.411 ug/l  
 RT: 9.90 min Scan# 2526  
 Delta R.T. 0.07 min  
 Lab File: VN059165.D  
 Acq: 11 Nov 2019 16:45

Tgt Ion: 75 Resp: 45245  
 Ion Ratio Lower Upper  
 75 100  
 77 0.6 25.5 38.3#  
 39 35.2 37.3 55.9#





#56

Ethyl methacrylate

Concen: 2.099 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.12 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA\_N

ClientSampleId :

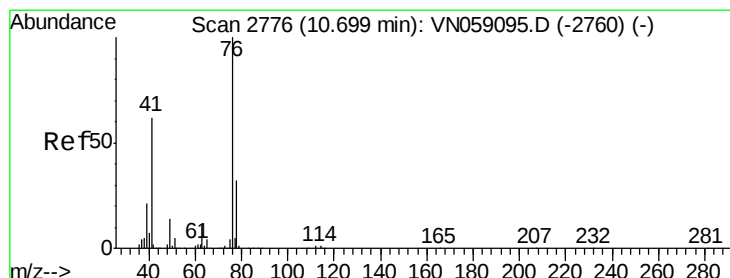
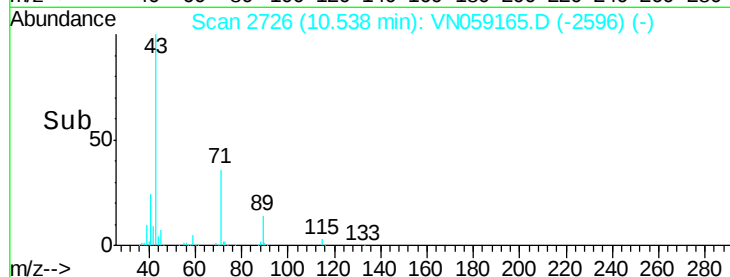
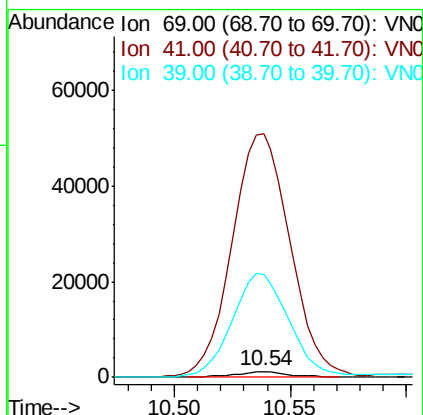
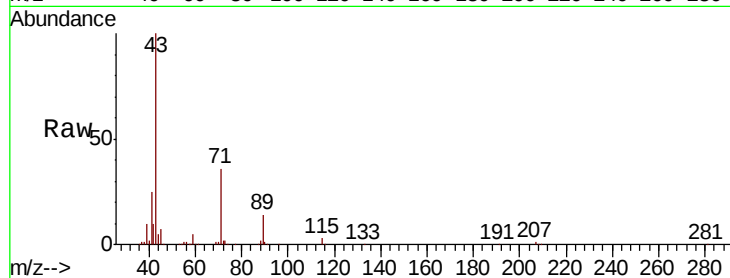
Tot Ion: 69 Resp: 1892

Ion Ratio Lower Upper

69 100

41 4707.8 53.6 80.4#

39 1967.4 26.2 39.4#



#57

1,3-Dichloropropane

Concen: 1.035 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN059165.D

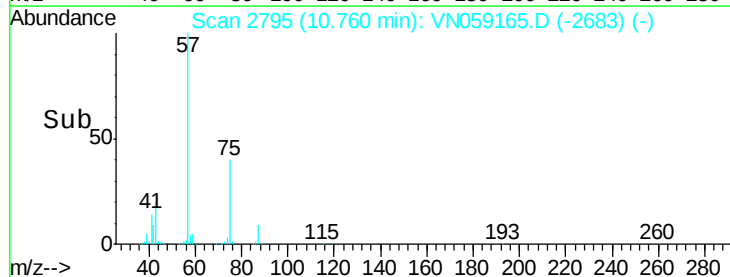
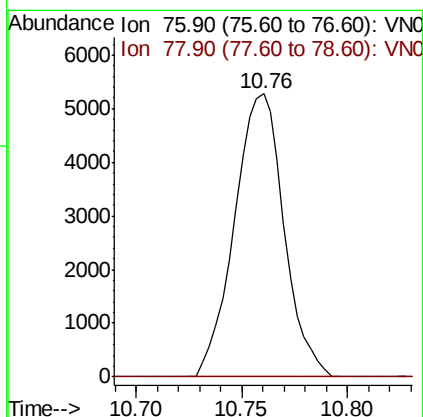
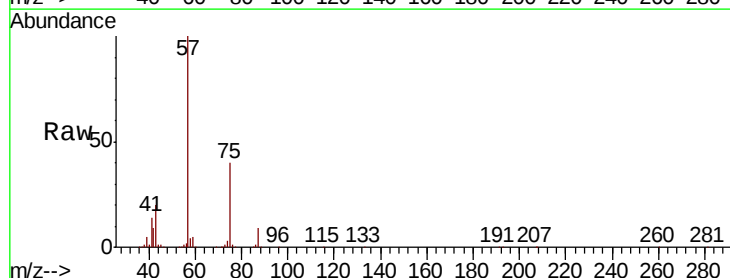
Acq: 11 Nov 2019 16:45

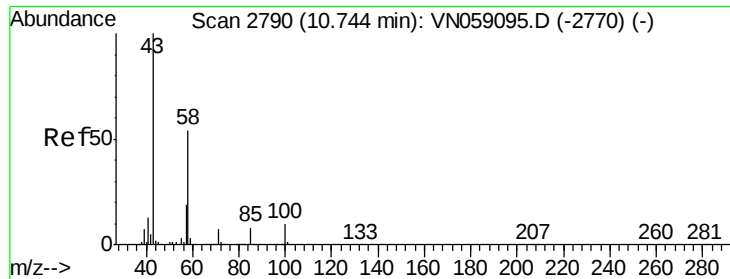
Tgt Ion: 76 Resp: 8605

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

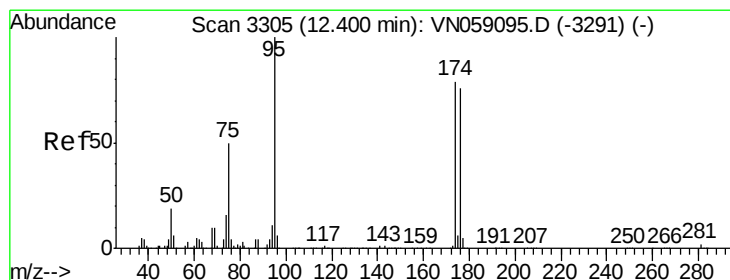
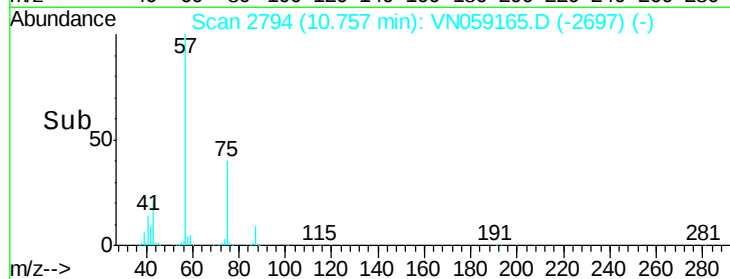
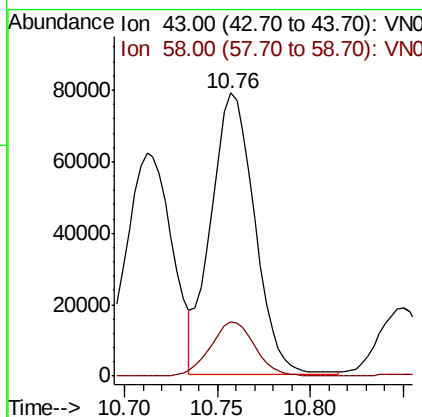
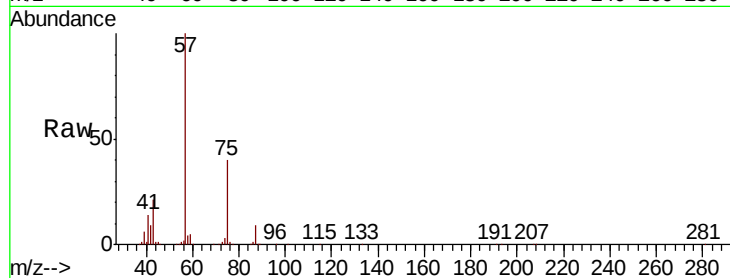




#59  
2-Hexanone  
Concen: 25.250 ug/l  
RT: 10.76 min Scan# 2794  
Delta R.T. 0.01 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

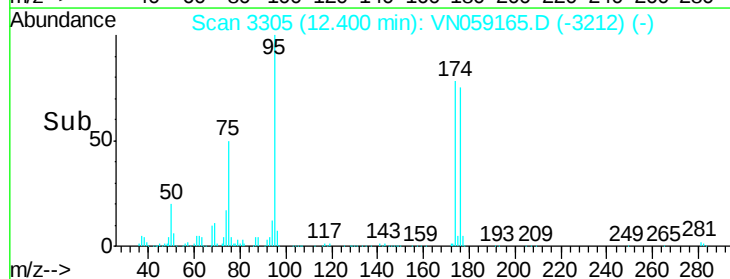
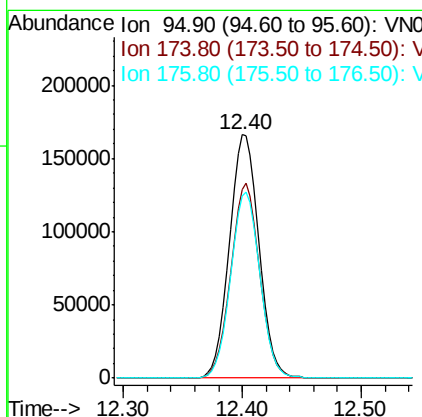
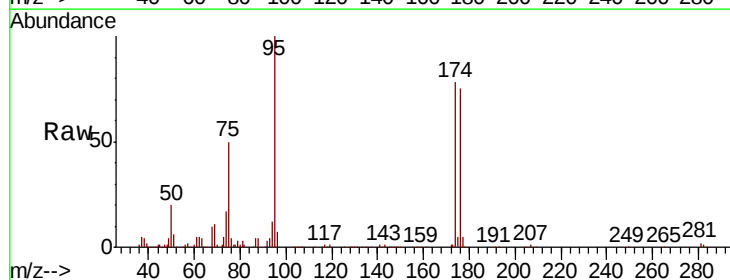
Instrument :  
MSVOA\_N  
ClientSampled :

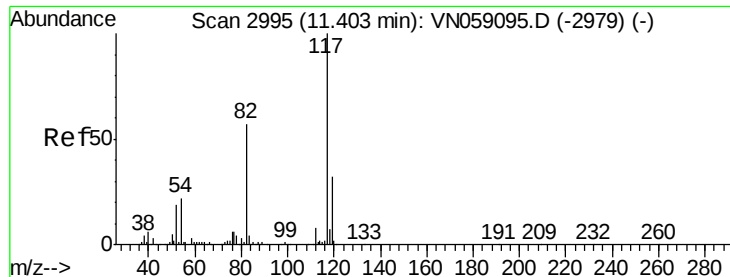
Tot Ion: 43 Resp: 128581  
Ion Ratio Lower Upper  
43 100  
58 19.8 27.3 81.8#



#62  
4-Bromofluorobenzene  
Concen: 47.701 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

Tgt Ion: 95 Resp: 286115  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 158.2  
176 75.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA\_N

ClientSampleId :

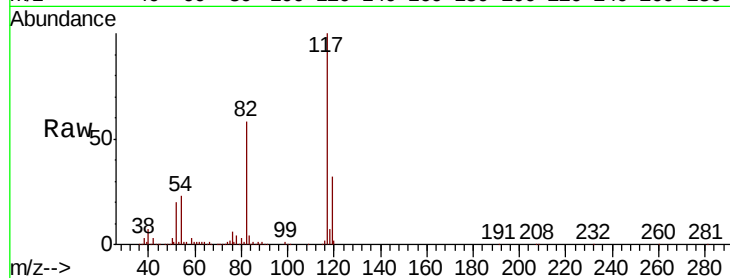
Tot Ion:117 Resp: 638426

Ion Ratio Lower Upper

117 100

82 57.7 45.8 68.8

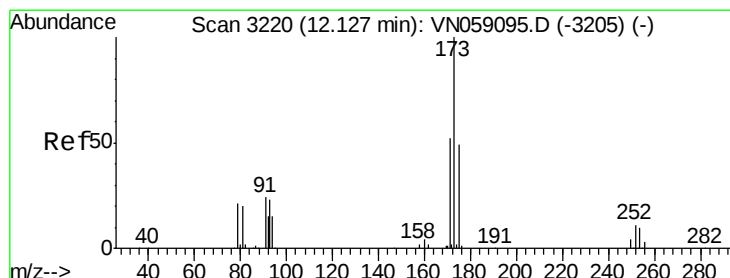
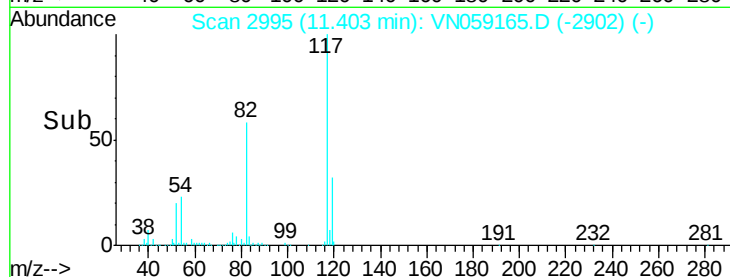
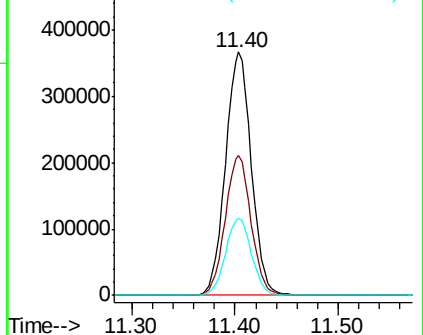
119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.427 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

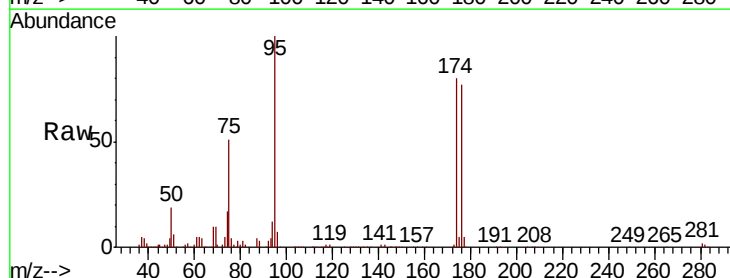
Tgt Ion:173 Resp: 1551

Ion Ratio Lower Upper

173 100

175 865.2 24.2 72.6#

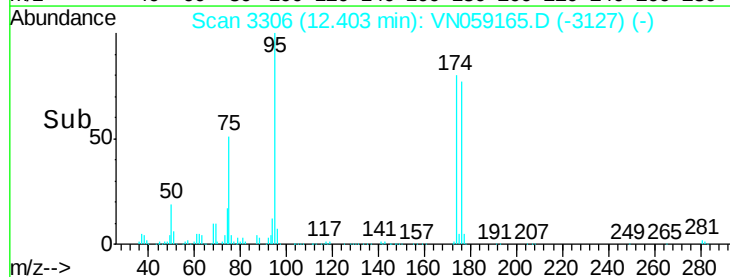
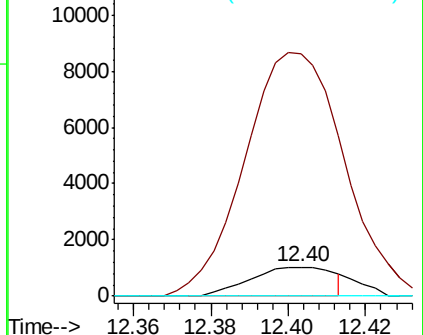
254 0.0 0.1 0.1#

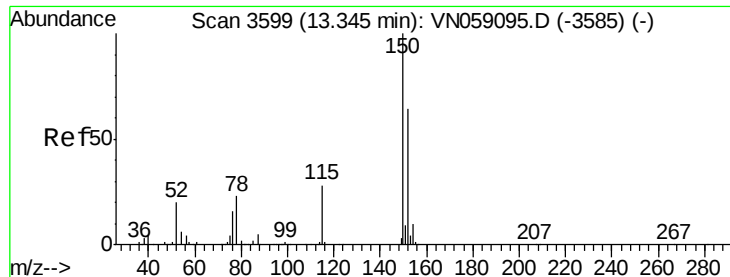


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



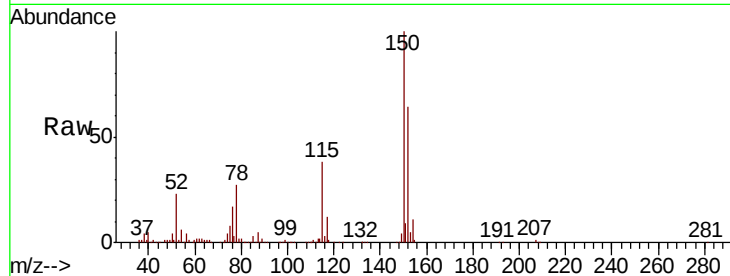


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. -0.00 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

Instrument :  
MSVOA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.4  | 29.4  | 88.2  |
| 150     | 157.9 | 0.0   | 345.8 |

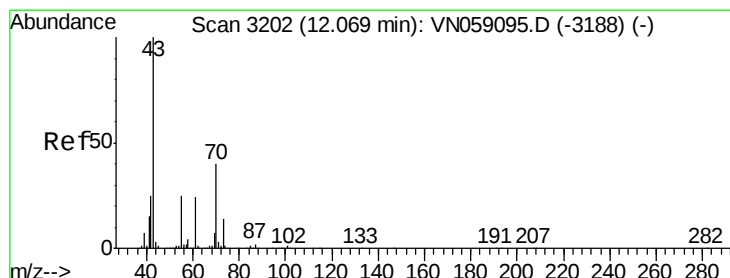
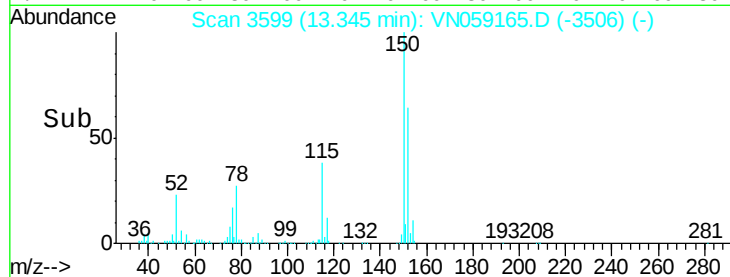
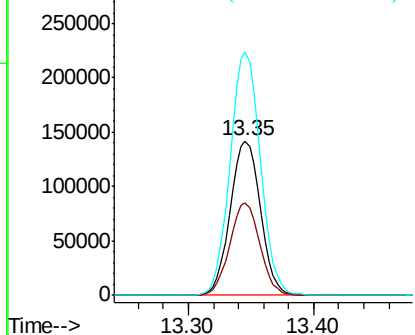


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

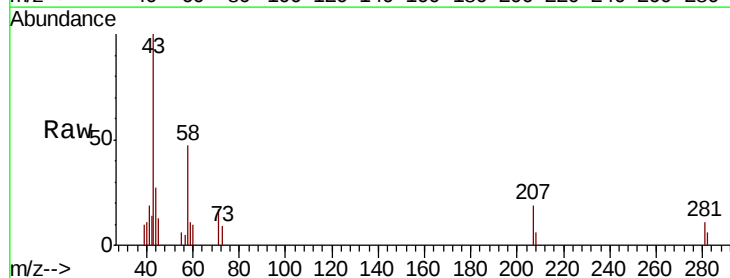
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate  
Concen: 0.822 ug/l  
RT: 12.03 min Scan# 3190  
Delta R.T. -0.04 min  
Lab File: VN059165.D  
Acq: 11 Nov 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 0.0   | 32.2  | 48.4# |
| 55      | 4.5   | 20.4  | 30.6# |
| 61      | 0.0   | 19.3  | 28.9# |



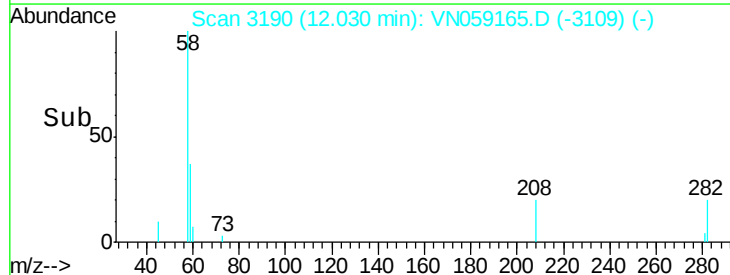
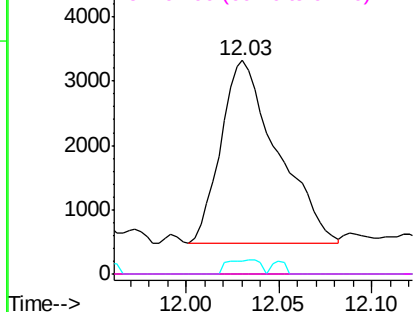
Abundance

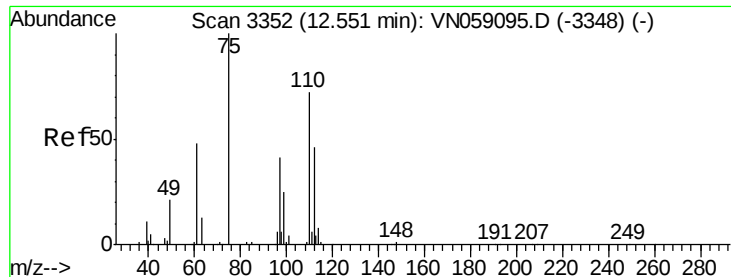
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 26.374 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA\_N

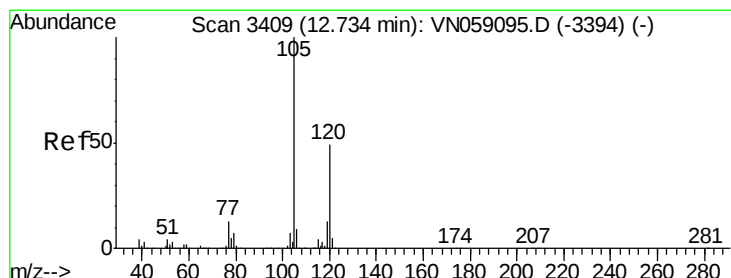
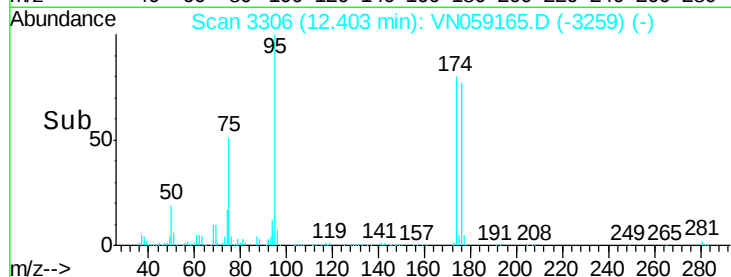
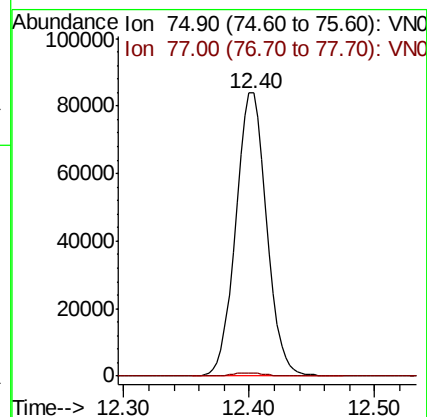
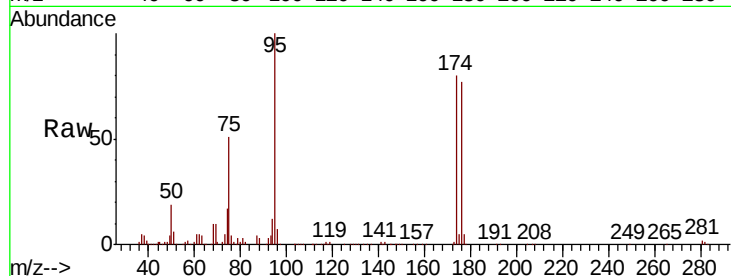
ClientSampleId :

Tot Ion: 75 Resp: 143534

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.259 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059165.D

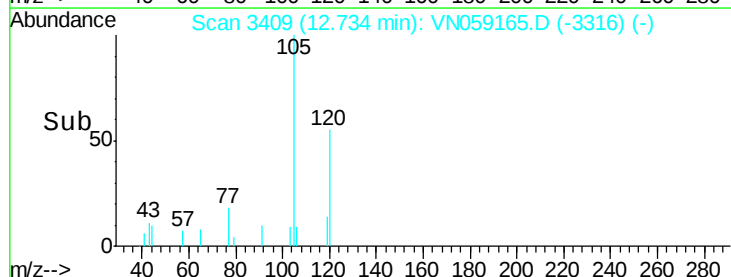
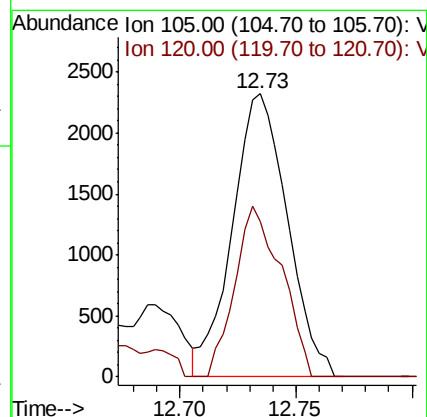
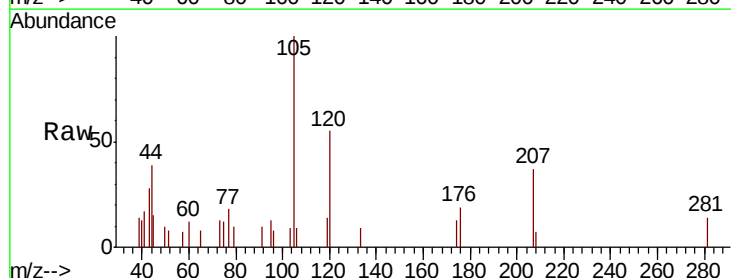
Acq: 11 Nov 2019 16:45

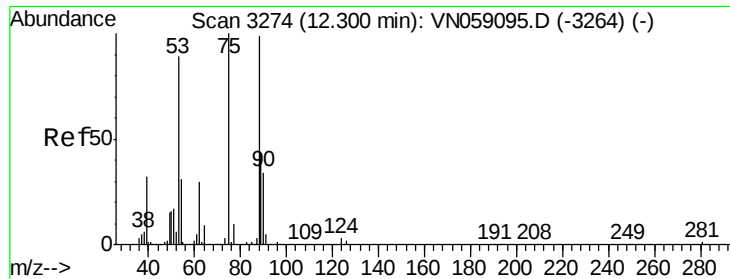
Tgt Ion: 105 Resp: 3817

Ion Ratio Lower Upper

105 100

120 51.1 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 69.661 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059165.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA\_N

ClientSampleId :

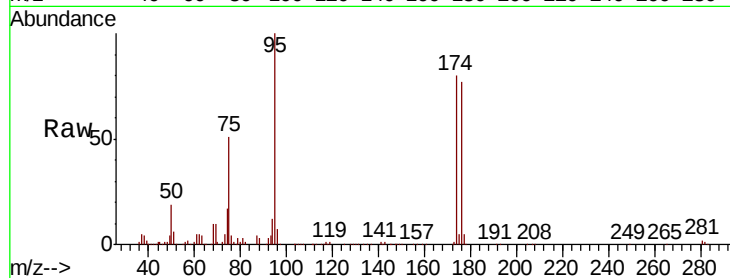
Tot Ion: 75 Resp: 143534

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

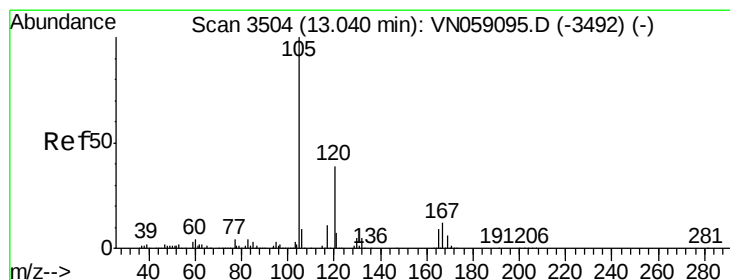
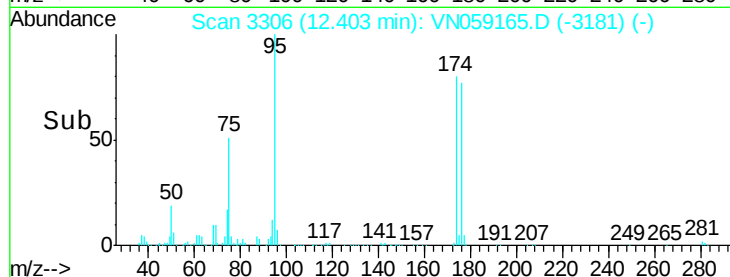
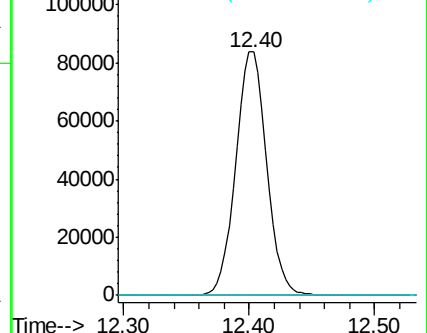
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.233 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059165.D

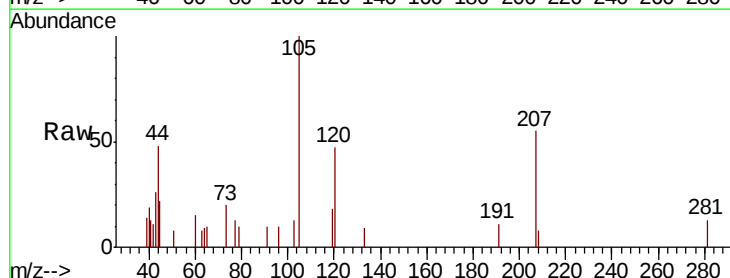
Acq: 11 Nov 2019 16:45

Tgt Ion: 105 Resp: 3328

Ion Ratio Lower Upper

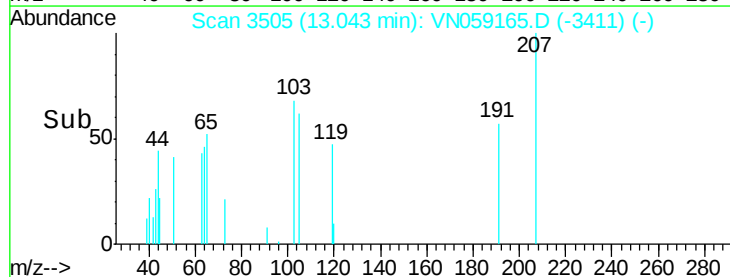
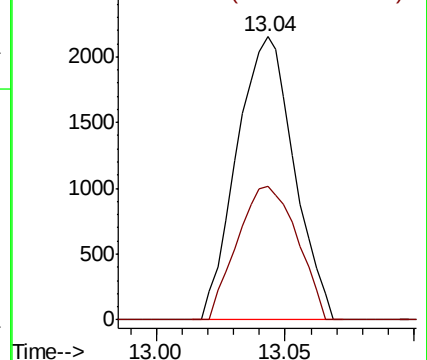
105 100

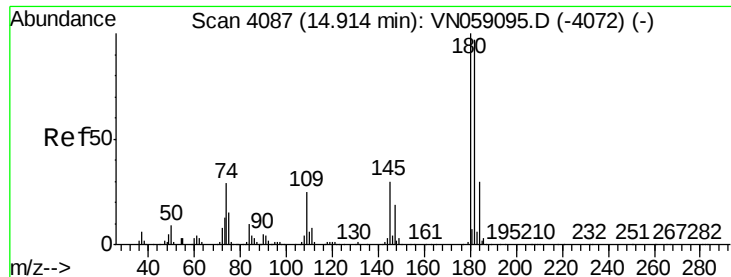
120 49.3 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

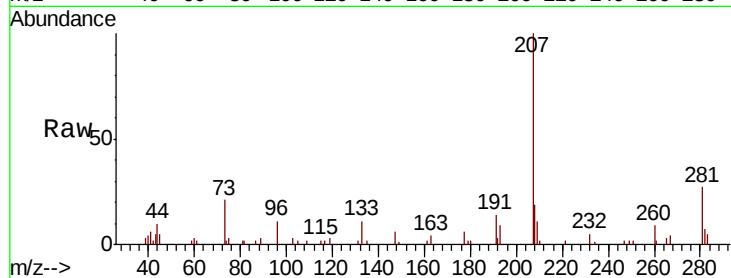




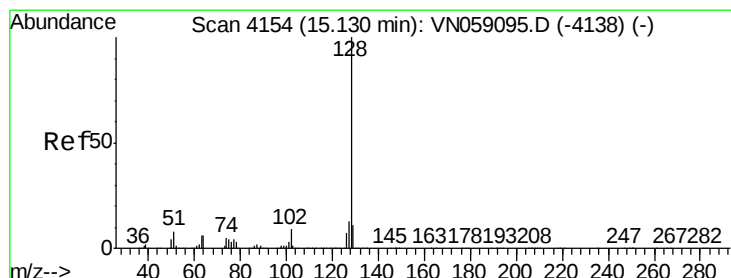
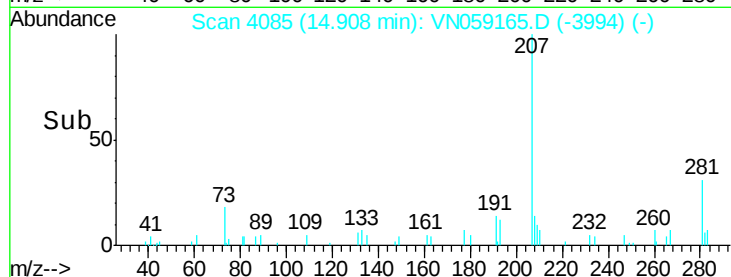
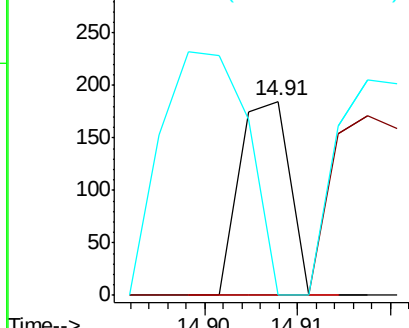
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.061 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.01 min  
 Lab File: VN059165.D  
 Acq: 11 Nov 2019 16:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:180 Resp: 69  
 Ion Ratio Lower Upper  
 180 100  
 182 134.8 48.1 144.3  
 145 205.8 15.1 45.3#

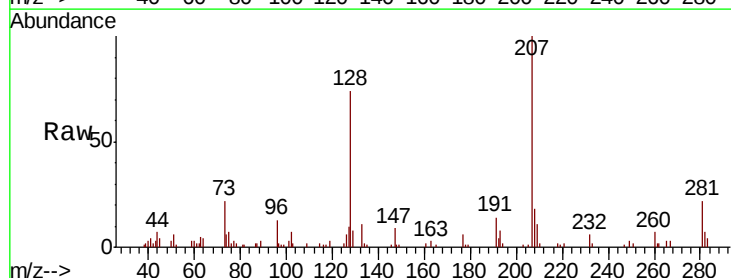


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V



#95  
 Naphthalene  
 Concen: 4.451 ug/l  
 RT: 15.13 min Scan# 4154  
 Delta R.T. 0.00 min  
 Lab File: VN059165.D  
 Acq: 11 Nov 2019 16:45

Tgt Ion:128 Resp: 18544  
 Ion Ratio Lower Upper  
 128 100  
 127 12.1 10.2 15.2  
 129 10.5 8.6 12.8



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

