

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\  
 Data File : VN061035.D  
 Acq On : 17 Apr 2020 00:15  
 Operator : JC/MD  
 Sample : L2299-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 17 04:04:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 17 03:49:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 168656   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 287771   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 275749   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 127559   | 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   | 112013   | 51.91 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.82% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 83755    | 49.84 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.68%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 359890   | 56.67 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 113.34% |          |
| 62) 4-Bromofluorobenzene    | 12.39 | 95   | 140521   | 56.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 112.92% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 11) Tert butyl alcohol         | 4.72  | 59   | 41703    | 108.925 | ug/l # | 89     |
| 13) Acrolein                   | 3.58  | 56   | 5664     | 17.521  | ug/l   | 94     |
| 14) Allyl chloride             | 4.24  | 41   | 1542     | 0.442   | ug/l # | 28     |
| 16) Acetone                    | 3.77  | 43   | 98561    | 103.773 | ug/l   | 99     |
| 18) Methyl Acetate             | 4.28  | 43   | 60603    | 20.348  | ug/l   | 100    |
| 23) Vinyl Acetate              | 5.98  | 43   | 1892     | 0.333   | ug/l # | 75     |
| 25) 2-Butanone                 | 6.80  | 43   | 144445   | 99.247  | ug/l   | 98     |
| 29) Tetrahydrofuran            | 7.17  | 42   | 206      | 0.208   | ug/l # | 36     |
| 31) Cyclohexane                | 7.64  | 56   | 3820     | 0.950   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 13680    | 4.607   | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.89  | 43   | 22379    | 6.940   | ug/l   | 99     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 16862    | 6.822   | ug/l # | 15     |
| 40) Benzene                    | 8.02  | 78   | 2484     | 0.282   | ug/l   | 94     |
| 48) Methyl methacrylate        | 9.15  | 41   | 12838    | 5.540   | ug/l # | 41     |
| 49) 1,4-Dioxane                | 9.18  | 88   | 198      | 19.806  | ug/l # | 20     |
| 51) 4-Methyl-2-Pentanone       | 9.94  | 43   | 11883    | 3.931   | ug/l # | 37     |
| 52) Toluene                    | 10.14 | 92   | 4371     | 0.827   | ug/l   | 100    |
| 56) Ethyl methacrylate         | 10.34 | 69   | 757      | 0.241   | ug/l # | 22     |
| 59) 2-Hexanone                 | 10.74 | 43   | 1399     | 0.642   | ug/l   | 82     |
| 66) 1,1,1,2-Tetrachloroethane  | 11.53 | 131  | 2669     | 1.311   | ug/l # | 8      |
| 67) Ethyl Benzene              | 11.50 | 91   | 2215     | 0.207   | ug/l # | 86     |
| 68) m/p-Xylenes                | 11.61 | 106  | 3198     | 0.826   | ug/l   | 93     |
| 69) o-Xylene                   | 11.94 | 106  | 1437     | 0.386   | ug/l   | 95     |
| 70) Styrene                    | 11.95 | 104  | 2619     | 0.437   | ug/l   | 97     |
| 74) N-amyl acetate             | 11.99 | 43   | 27579    | 5.803   | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.55 | 83   | 969      | 0.311   | ug/l # | 25     |
| 76) 1,2,3-Trichloropropane     | 12.39 | 75   | 70505    | 25.129  | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.72 | 105  | 2218     | 0.263   | ug/l   | 93     |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 70505    | 61.981  | ug/l # | 13     |
| 84) 1,2,4-Trimethylbenzene     | 12.89 | 105  | 2493     | 0.299   | ug/l   | 77     |
| 85) sec-Butylbenzene           | 13.04 | 105  | 23906    | 2.484   | ug/l # | 58     |
| 90) Hexachloroethane           | 13.86 | 117  | 525      | 0.399   | ug/l # | 10     |
| 95) Naphthalene                | 15.13 | 128  | 13757    | 1.964   | ug/l # | 85     |

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ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 17 03:49:39 2020  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

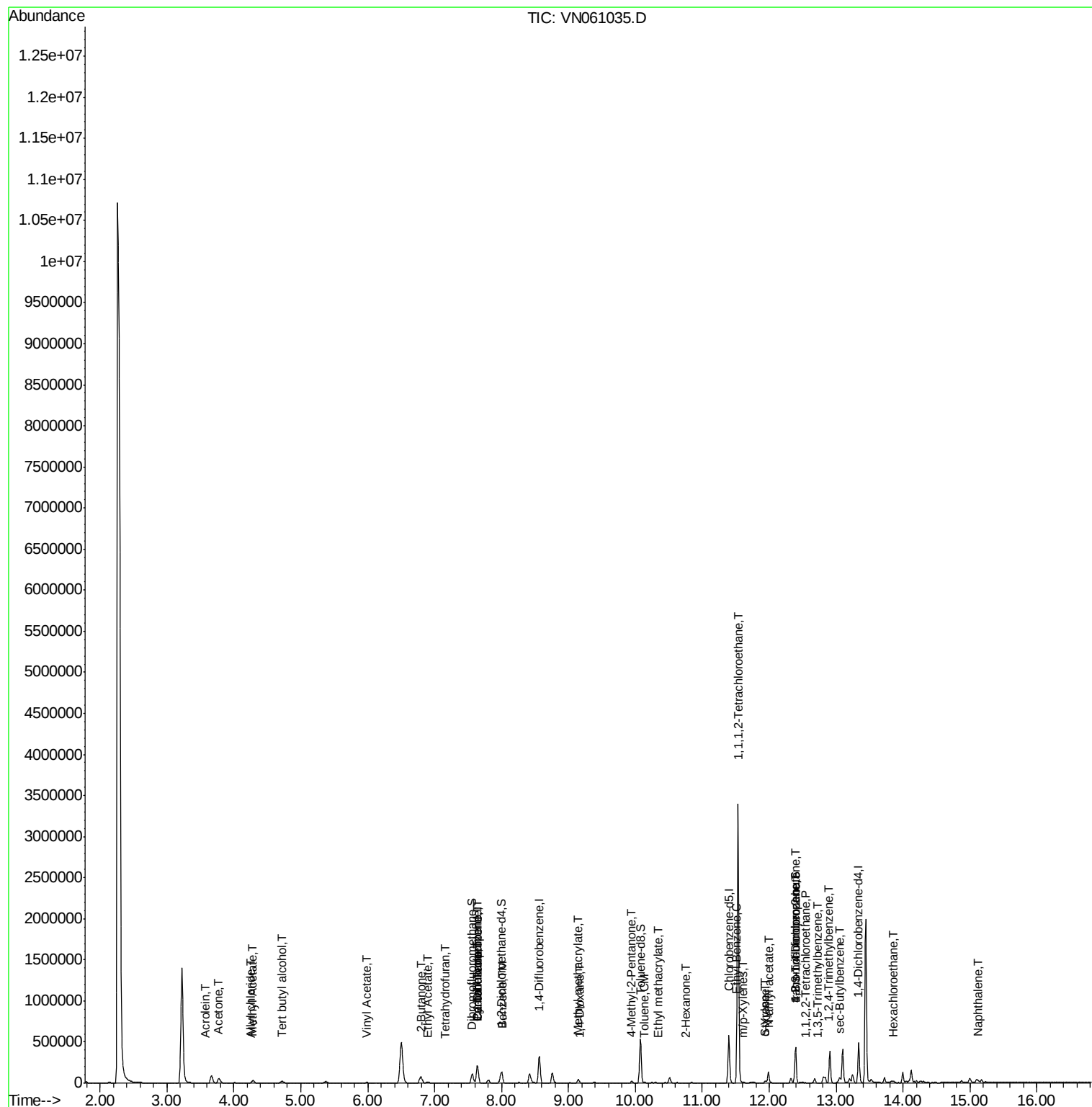
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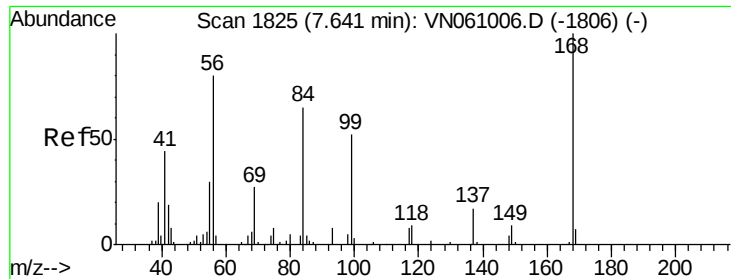
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

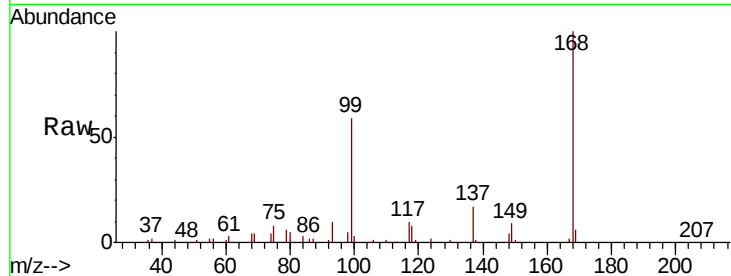
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 168656

Ion Ratio Lower Upper

168 100

99 59.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

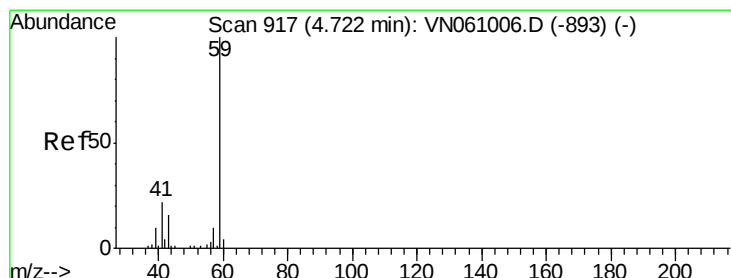
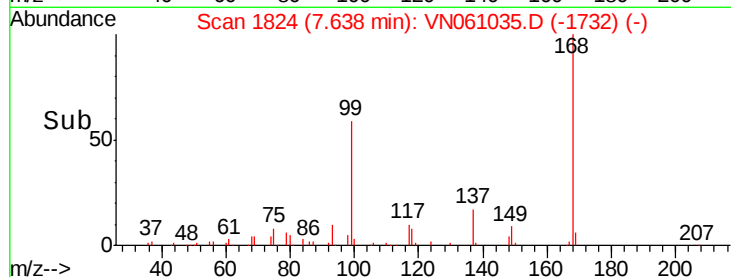
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#11

Tert butyl alcohol

Concen: 108.925 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.00 min

Lab File: VN061035.D

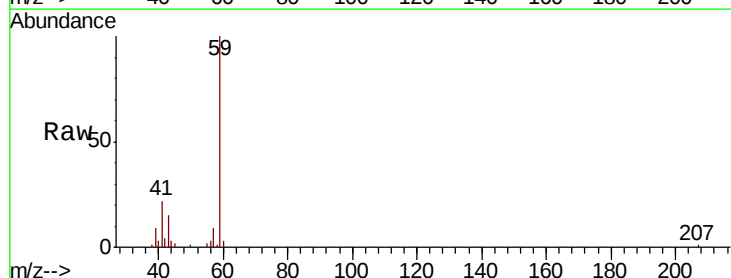
Acq: 17 Apr 2020 00:15

Tgt Ion: 59 Resp: 41703

Ion Ratio Lower Upper

59 100

57 5.9 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.72

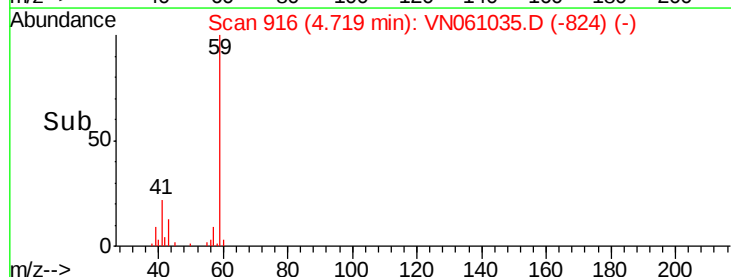
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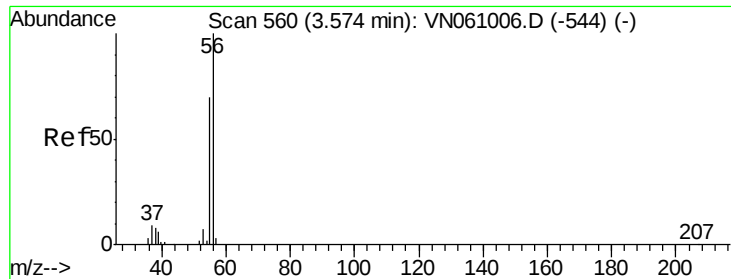
5000

0

4.60 4.70 4.80

Time-->





#13

Acrolein

Concen: 17.521 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

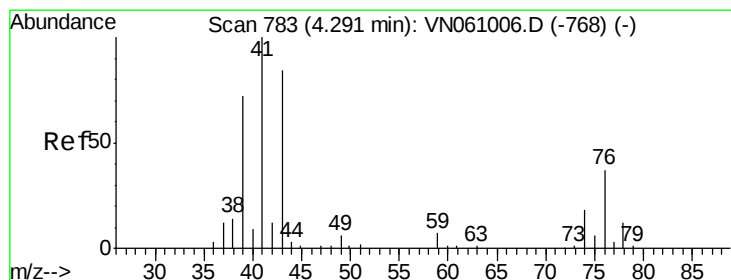
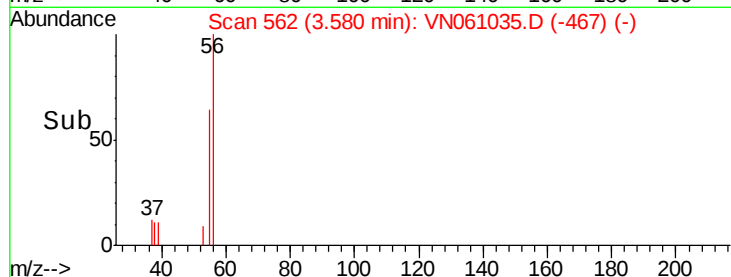
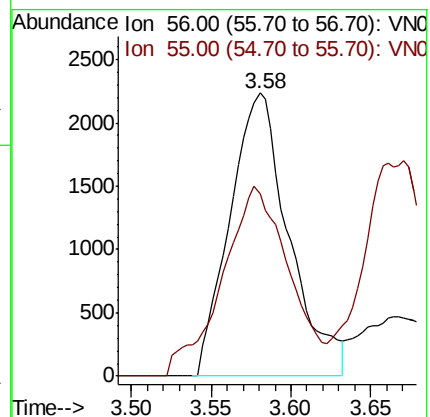
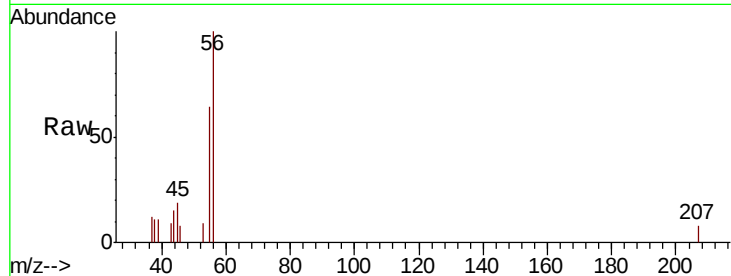
ClientSampleId :

Tot Ion: 56 Resp: 5664

Ion Ratio Lower Upper

56 100

55 76.2 57.0 85.6



#14

Allyl chloride

Concen: 0.442 ug/l

RT: 4.24 min Scan# 766

Delta R.T. -0.05 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

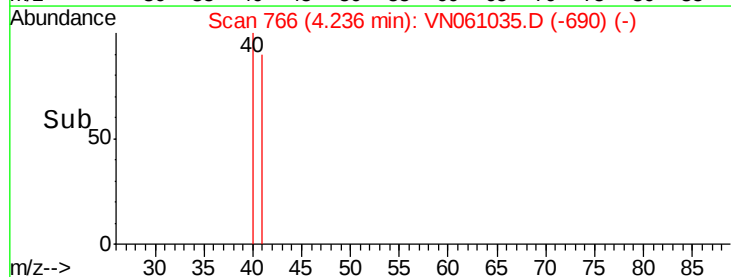
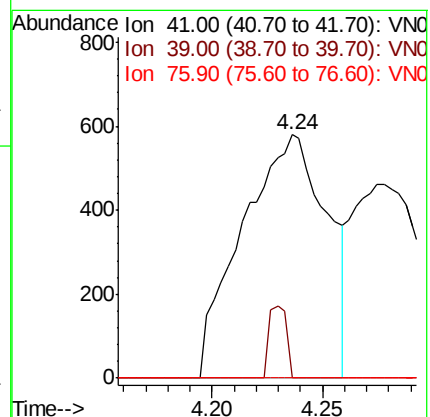
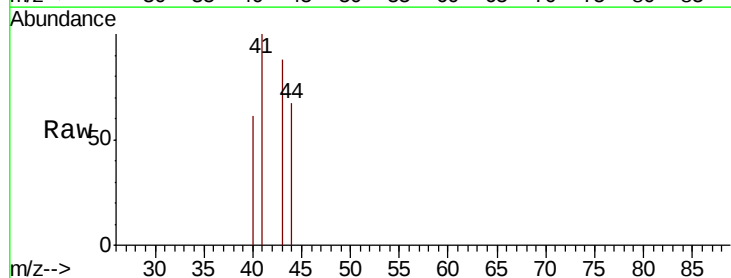
Tgt Ion: 41 Resp: 1542

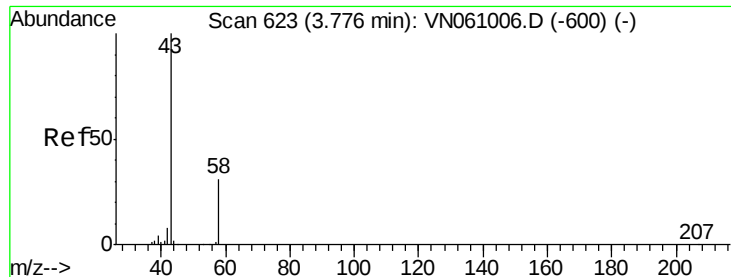
Ion Ratio Lower Upper

41 100

39 6.2 56.3 84.5#

76 0.0 27.7 41.5#





#16

Acetone

Concen: 103.773 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

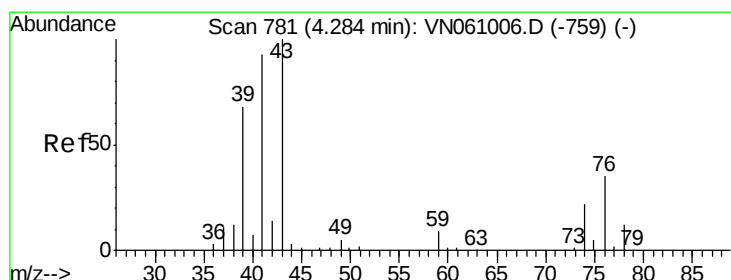
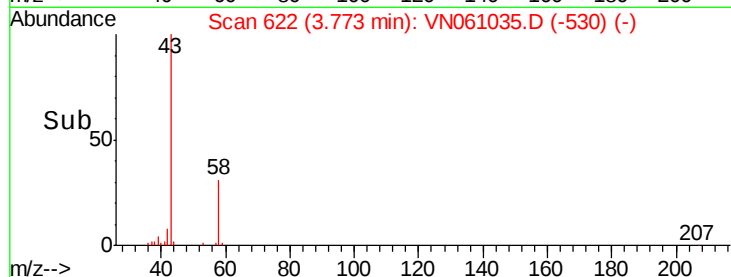
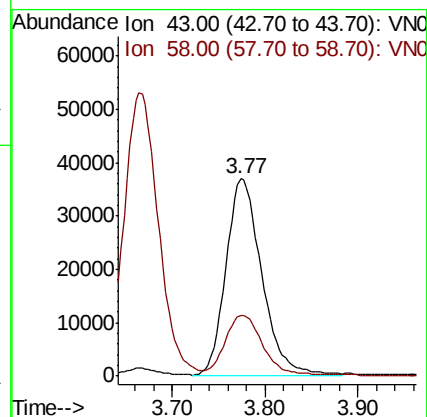
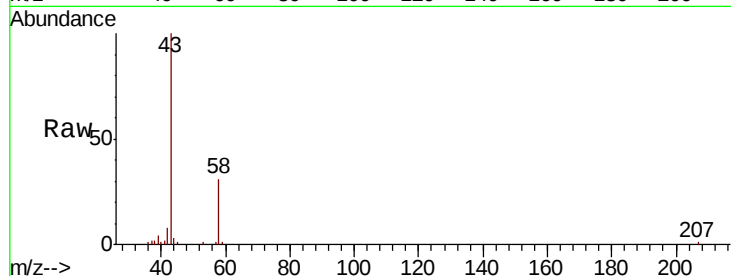
ClientSampled :

Tot Ion: 43 Resp: 98561

Ion Ratio Lower Upper

43 100

58 30.1 24.6 37.0



#18

Methyl Acetate

Concen: 20.348 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN061035.D

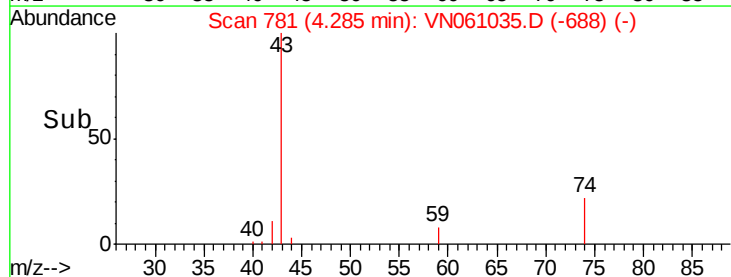
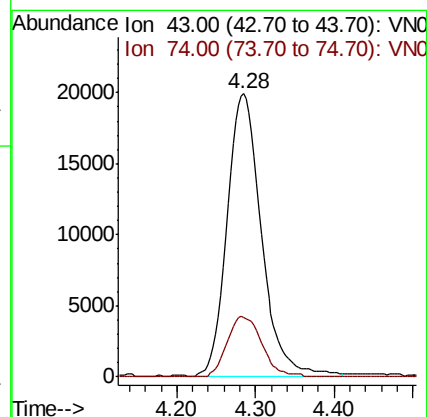
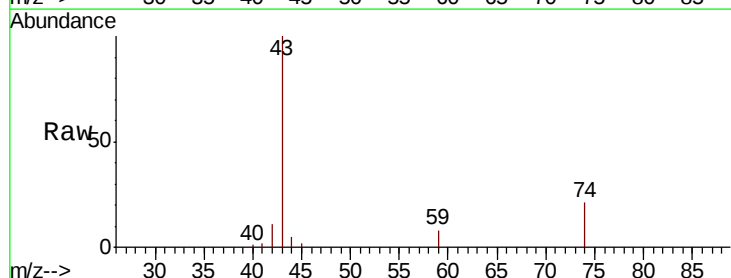
Acq: 17 Apr 2020 00:15

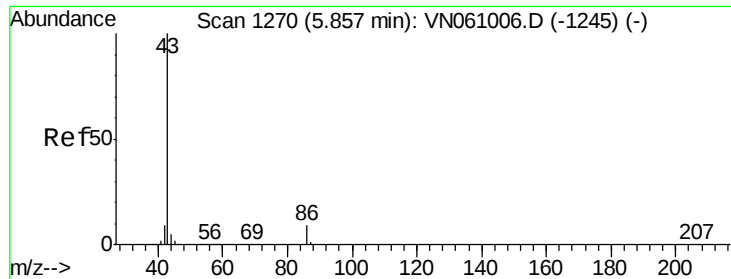
Tgt Ion: 43 Resp: 60603

Ion Ratio Lower Upper

43 100

74 21.5 17.4 26.0

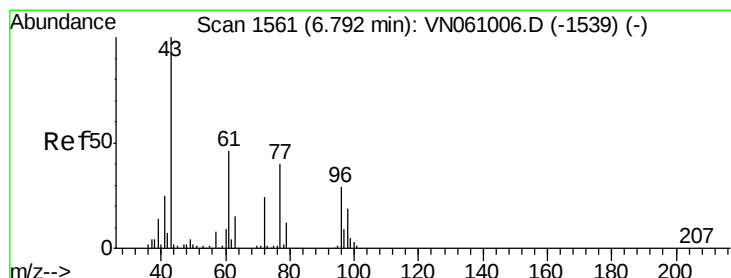
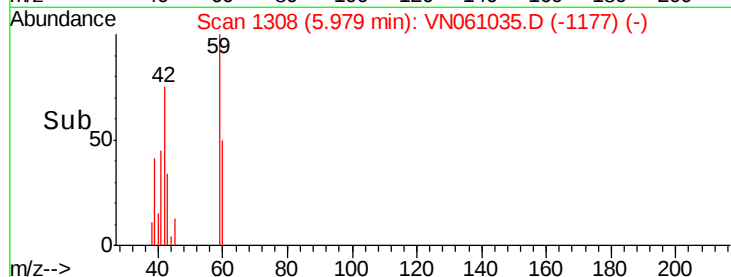
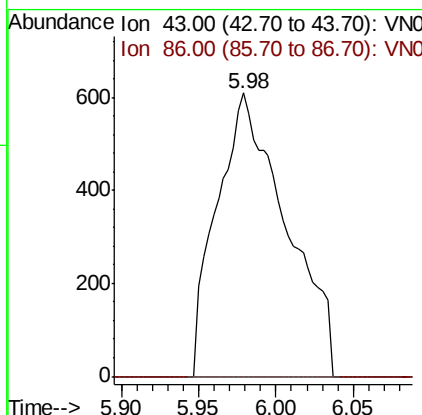
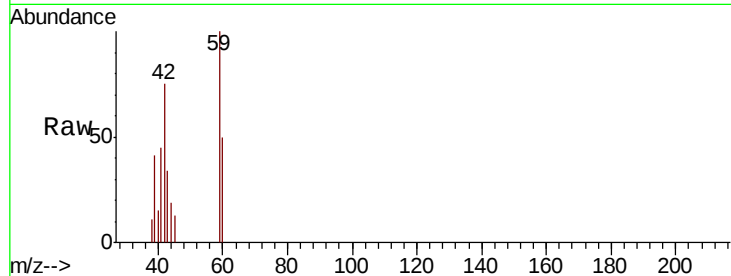




#23  
 Vinyl Acetate  
 Concen: 0.333 ug/l  
 RT: 5.98 min Scan# 1308  
 Delta R.T. 0.12 min  
 Lab File: VN061035.D  
 Acq: 17 Apr 2020 00:15

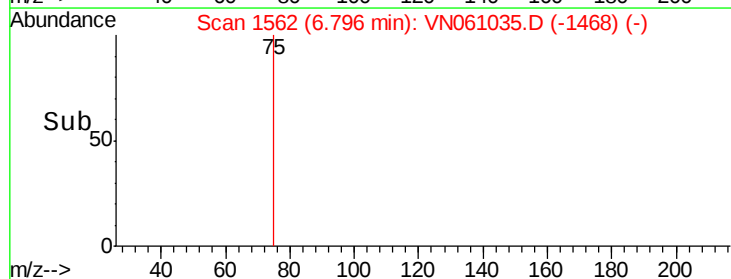
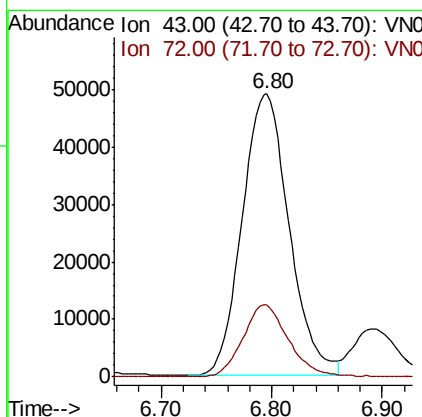
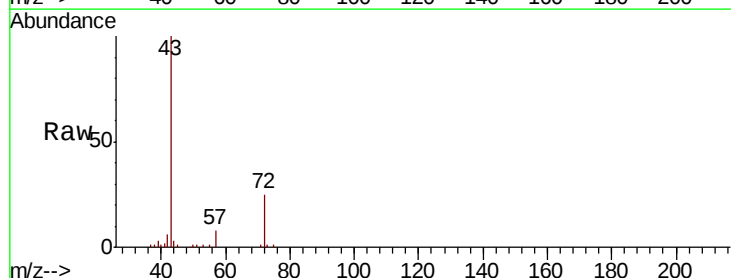
Instrument :  
 MSVOA\_N  
 ClientSampleId :

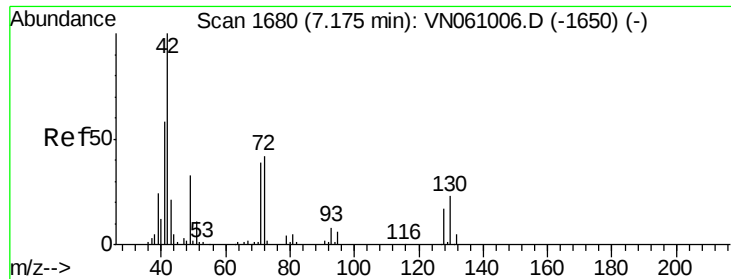
Tot Ion: 43 Resp: 1892  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 7.3 10.9#



#25  
 2-Butanone  
 Concen: 99.247 ug/l  
 RT: 6.80 min Scan# 1562  
 Delta R.T. 0.00 min  
 Lab File: VN061035.D  
 Acq: 17 Apr 2020 00:15

Tgt Ion: 43 Resp: 144445  
 Ion Ratio Lower Upper  
 43 100  
 72 25.4 19.6 29.4

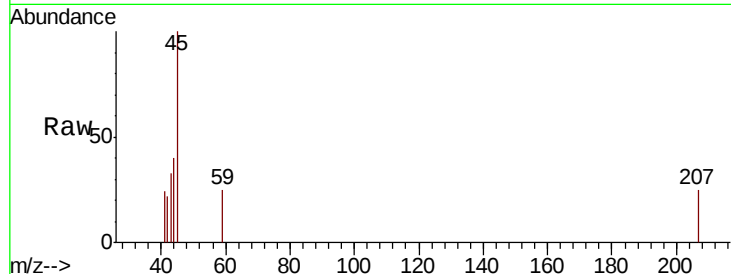




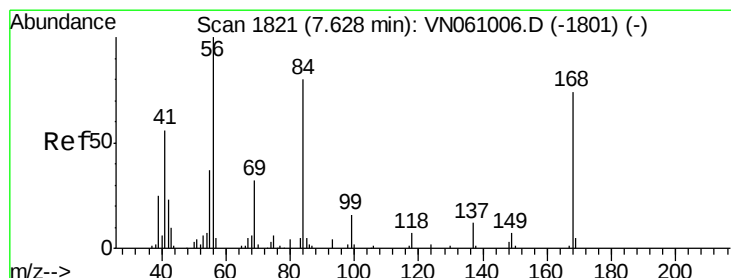
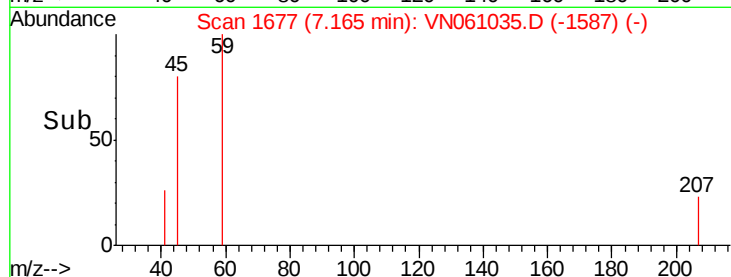
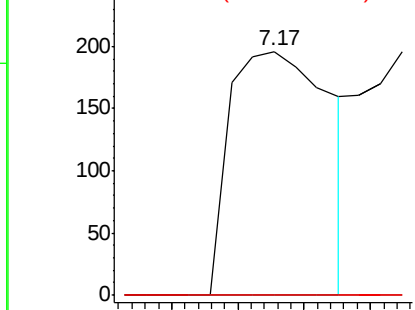
#29  
Tetrahydrofuran  
Concen: 0.208 ug/l  
RT: 7.17 min Scan# 1677  
Delta R.T. -0.01 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 42 Resp: 206  
Ion Ratio Lower Upper  
42 100  
72 0.0 32.1 48.1#  
71 0.0 30.5 45.7#

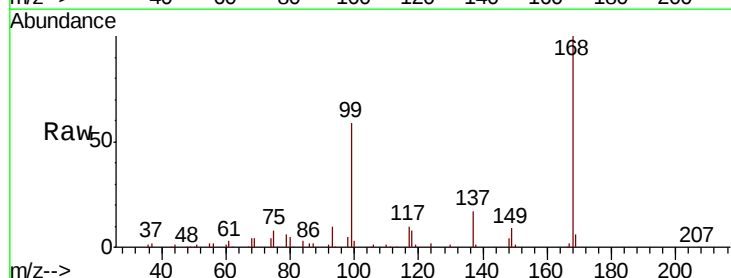


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

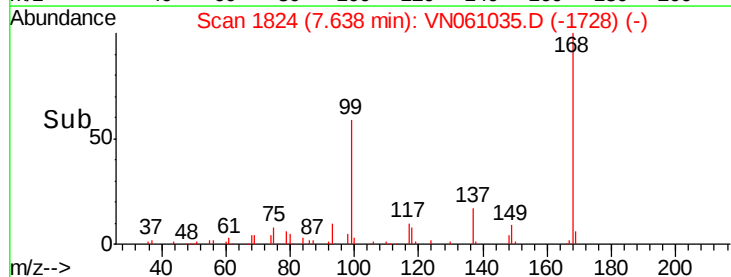
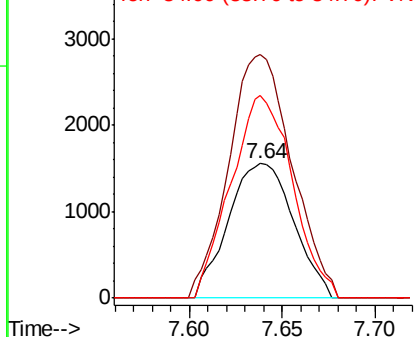


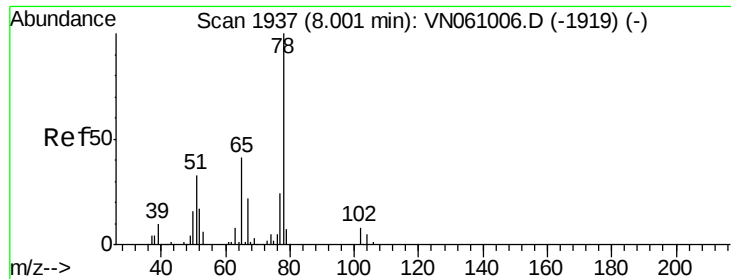
#31  
Cyclohexane  
Concen: 0.950 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.01 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Tgt Ion: 56 Resp: 3820  
Ion Ratio Lower Upper  
56 100  
69 180.9 25.6 38.4#  
84 150.8 63.4 95.2#



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

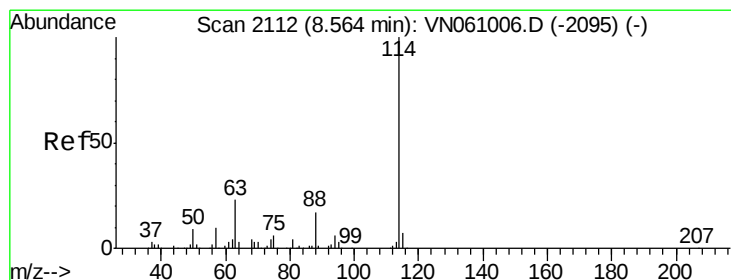
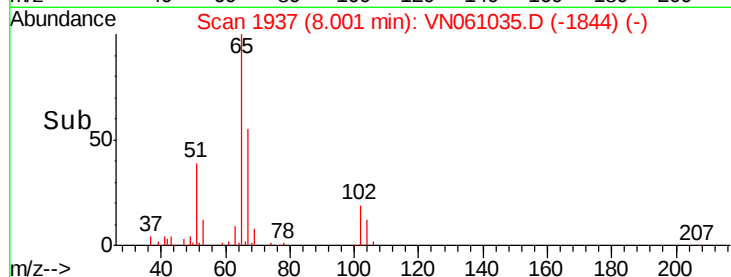
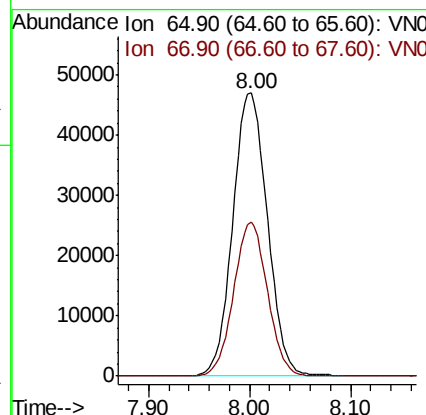
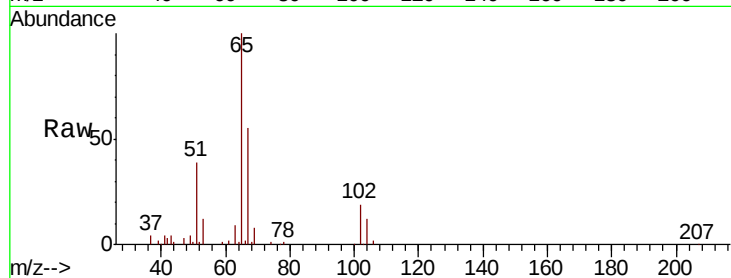




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.910 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VN061035.D  
 Acq: 17 Apr 2020 00:15

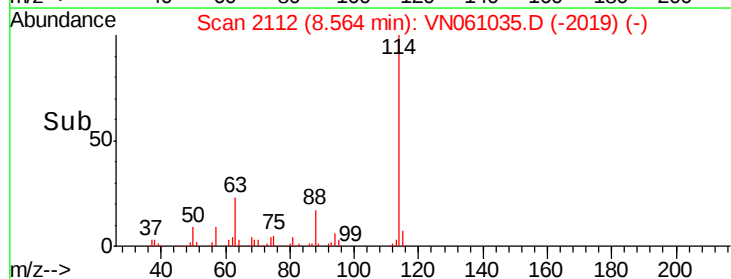
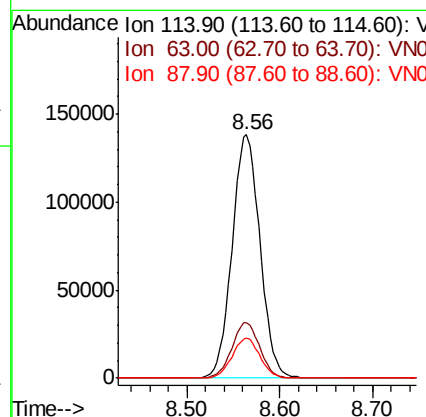
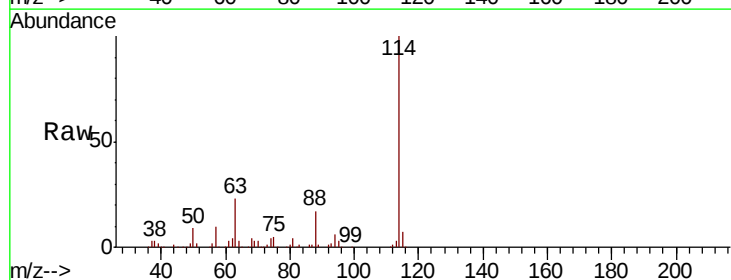
Instrument :  
 MSVOA\_N  
 ClientSampled :

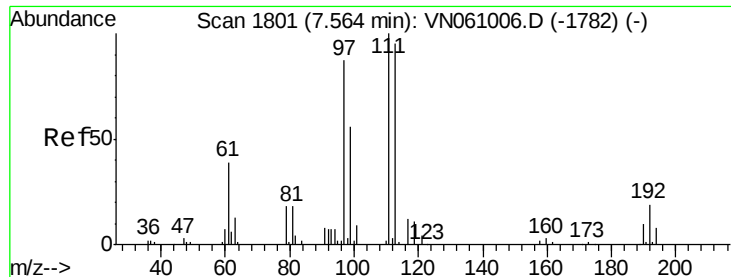
Tot Ion: 65 Resp: 112013  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 107.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. 0.00 min  
 Lab File: VN061035.D  
 Acq: 17 Apr 2020 00:15

Tgt Ion: 114 Resp: 287771  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 46.2  
 88 16.5 0.0 33.4

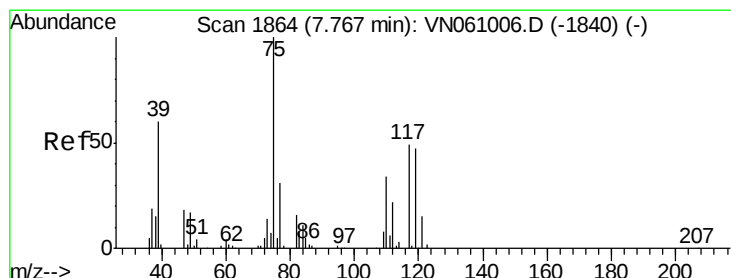
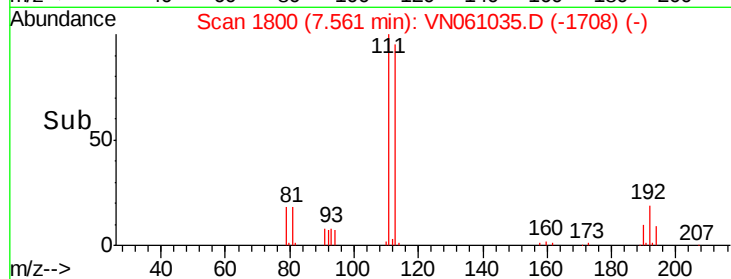
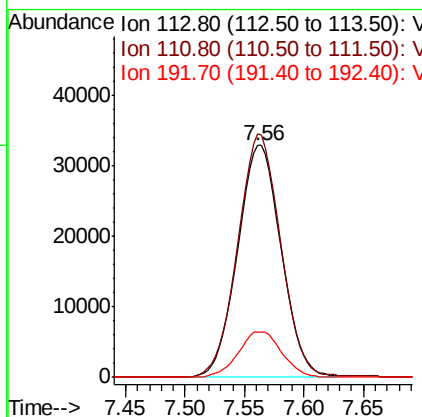
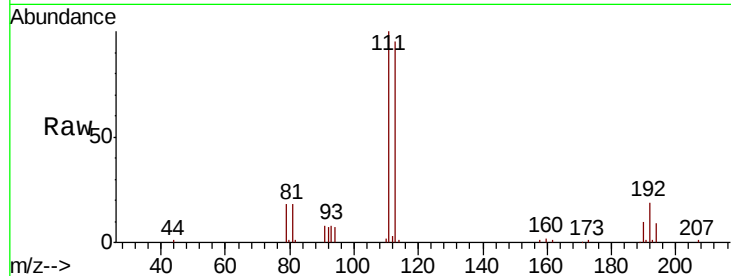




#35  
 Dibromofluoromethane  
 Concen: 49.838 ug/l  
 RT: 7.56 min Scan# 1800  
 Delta R.T. -0.00 min  
 Lab File: VN061035.D  
 Acq: 17 Apr 2020 00:15

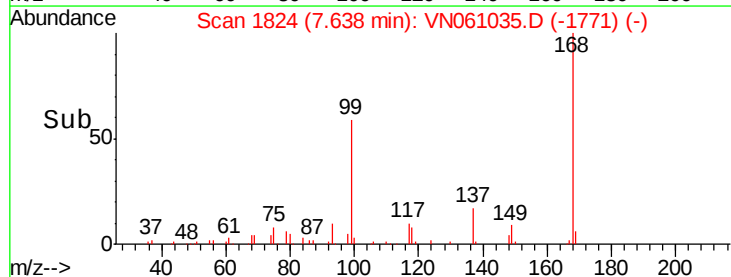
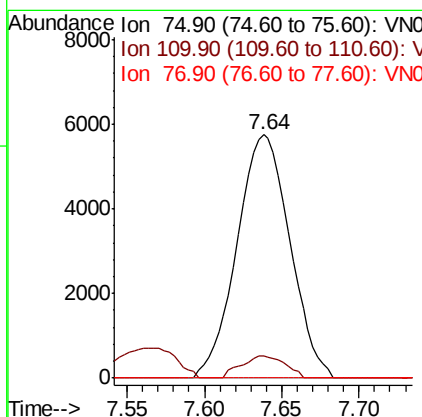
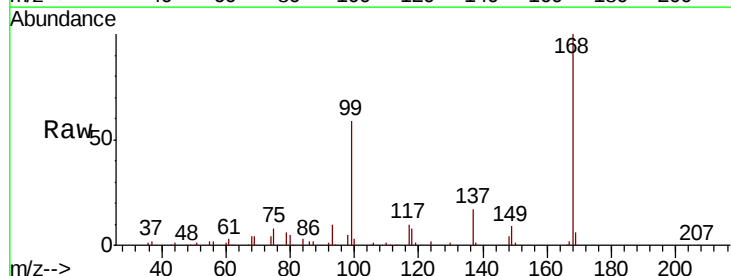
Instrument :  
 MSVOA\_N  
 ClientSampleId :

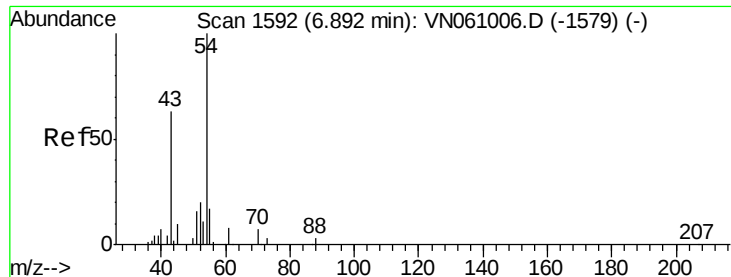
Tot Ion:113 Resp: 83755  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 83.4 125.2  
 192 19.5 15.5 23.3



#36  
 1,1-Dichloropropene  
 Concen: 4.607 ug/l  
 RT: 7.64 min Scan# 1824  
 Delta R.T. -0.13 min  
 Lab File: VN061035.D  
 Acq: 17 Apr 2020 00:15

Tgt Ion: 75 Resp: 13680  
 Ion Ratio Lower Upper  
 75 100  
 110 7.5 16.8 50.3#  
 77 0.0 24.7 37.1#

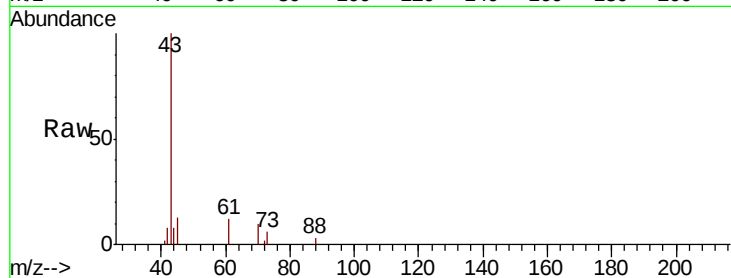




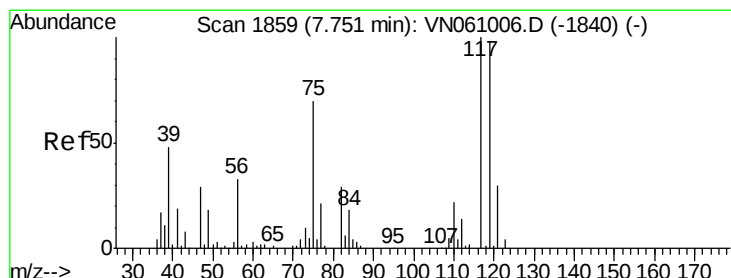
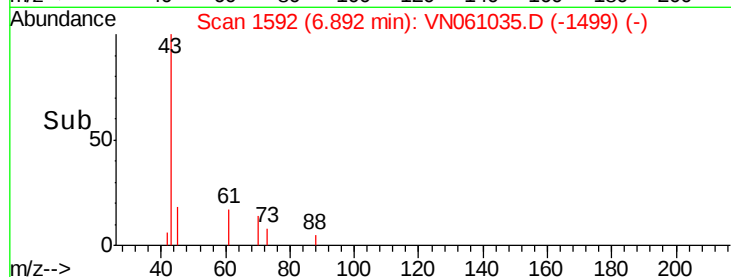
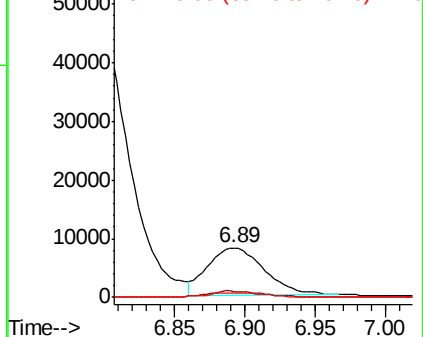
#37  
Ethyl Acetate  
Concen: 6.940 ug/l  
RT: 6.89 min Scan# 1592  
Delta R.T. 0.00 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 43 Resp: 22379  
Ion Ratio Lower Upper  
43 100  
61 13.2 10.9 16.3  
70 10.2 7.7 11.5

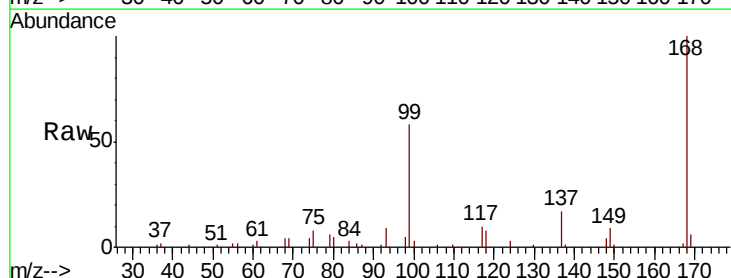


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

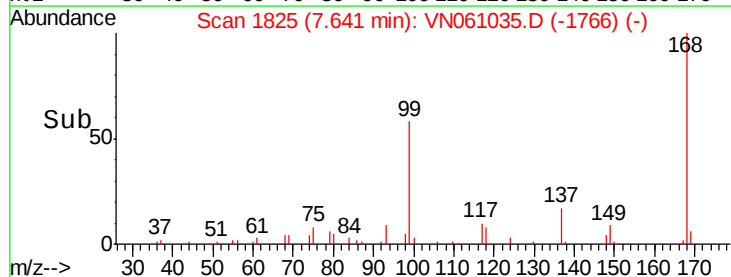
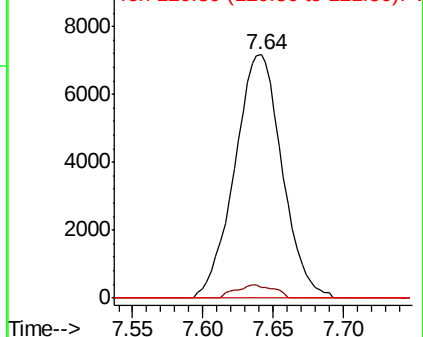


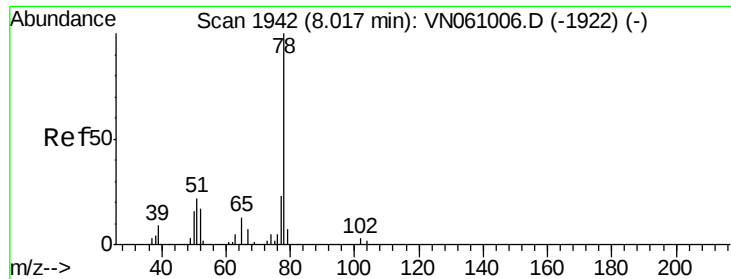
#38  
Carbon Tetrachloride  
Concen: 6.822 ug/l  
RT: 7.64 min Scan# 1825  
Delta R.T. -0.11 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Tgt Ion: 117 Resp: 16862  
Ion Ratio Lower Upper  
117 100  
119 4.6 78.1 117.1#  
121 0.0 24.0 36.0#



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





#40

Benzene

Concen: 0.282 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

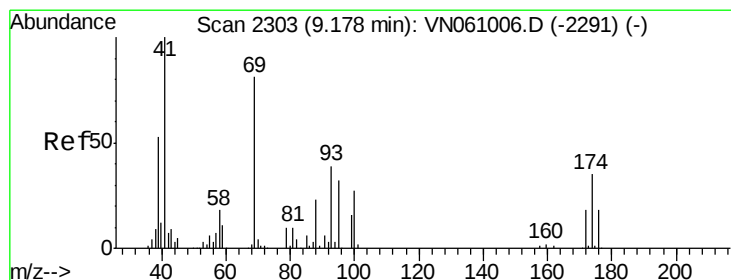
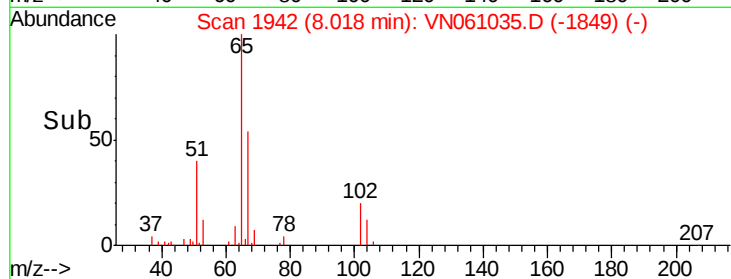
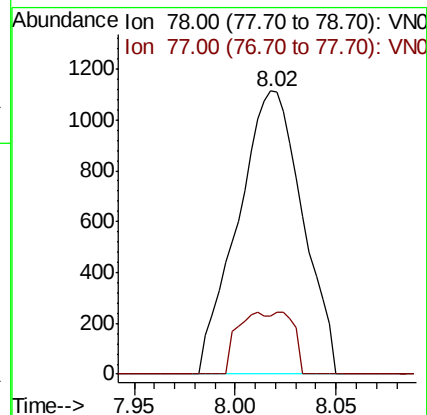
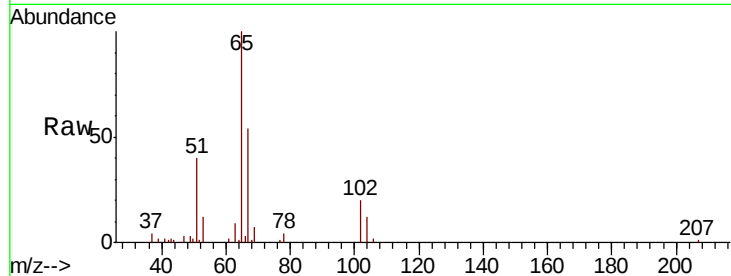
ClientSampleId :

Tot Ion: 78 Resp: 2484

Ion Ratio Lower Upper

78 100

77 20.6 18.8 28.2



#48

Methyl methacrylate

Concen: 5.540 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.03 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

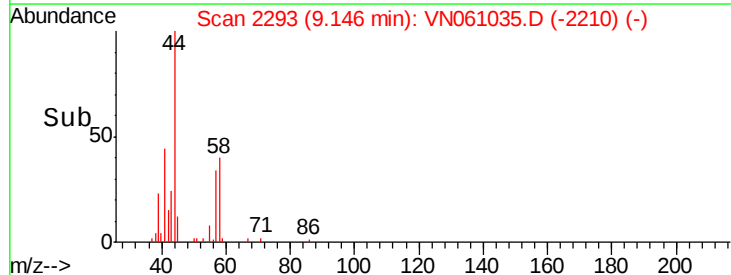
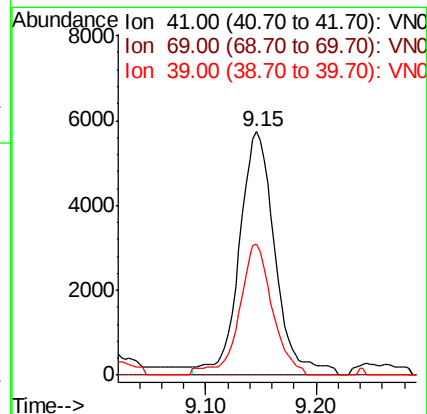
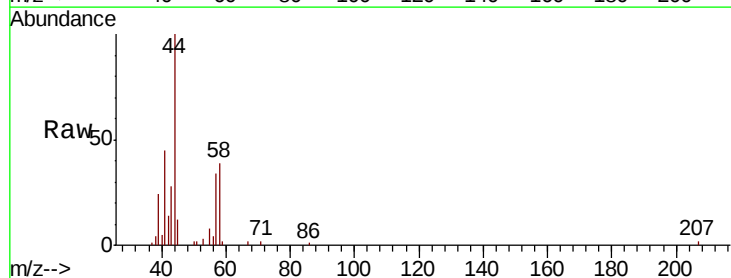
Tgt Ion: 41 Resp: 12838

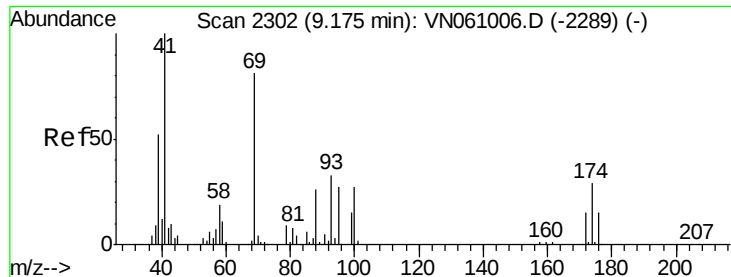
Ion Ratio Lower Upper

41 100

69 0.0 65.3 97.9#

39 48.1 45.2 67.8

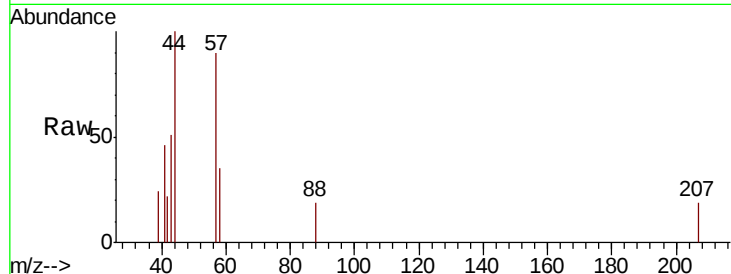




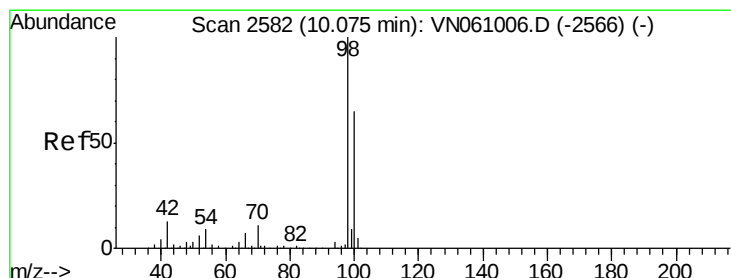
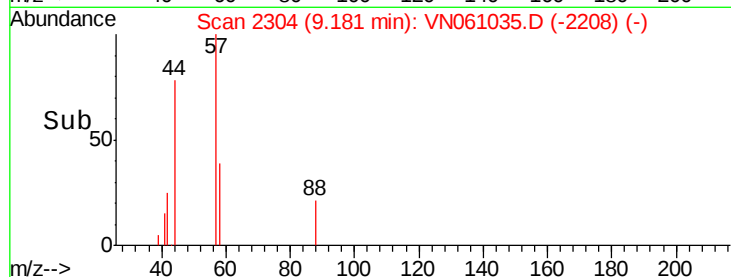
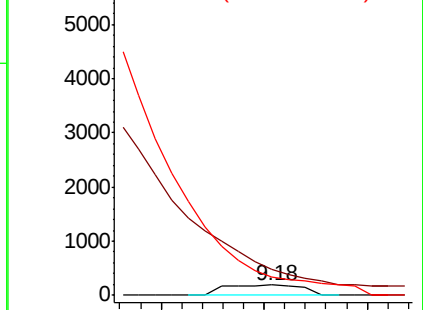
#49  
1,4-Dioxane  
Concen: 19.806 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.01 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 88 Resp: 198  
Ion Ratio Lower Upper  
88 100  
43 0.0 30.9 46.3#  
58 0.0 59.8 89.8#

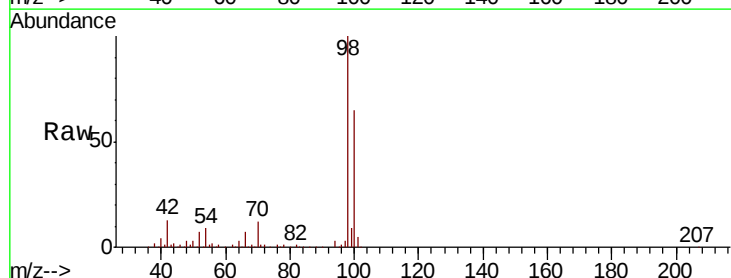


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

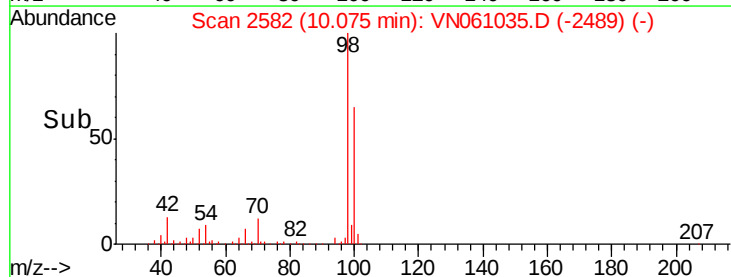
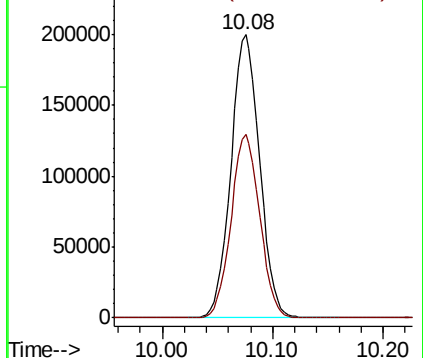


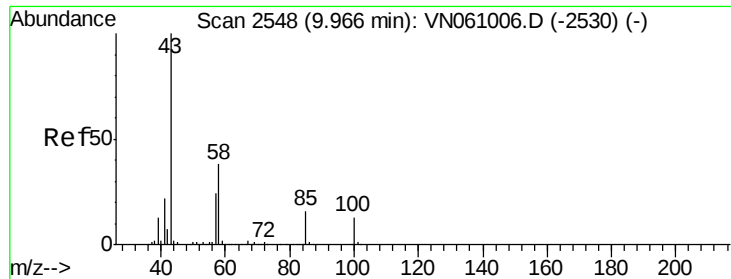
#50  
Toluene-d8  
Concen: 56.672 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. 0.00 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Tgt Ion: 98 Resp: 359890  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 3.931 ug/l

RT: 9.94 min Scan# 2540

Delta R.T. -0.03 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

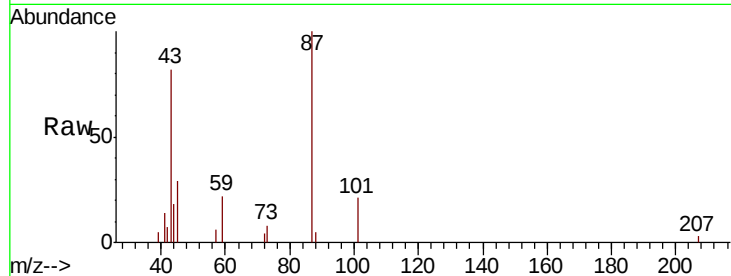
ClientSampled :

Tot Ion: 43 Resp: 11883

Ion Ratio Lower Upper

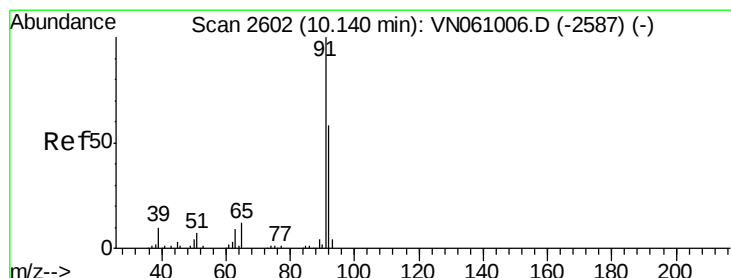
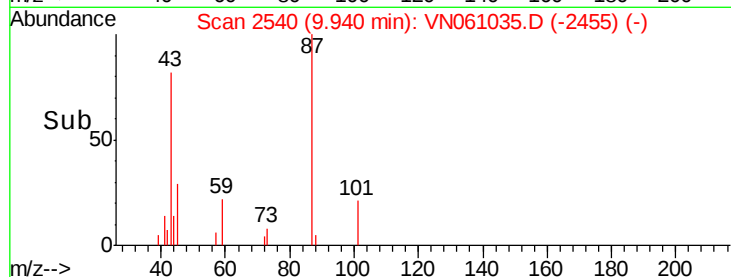
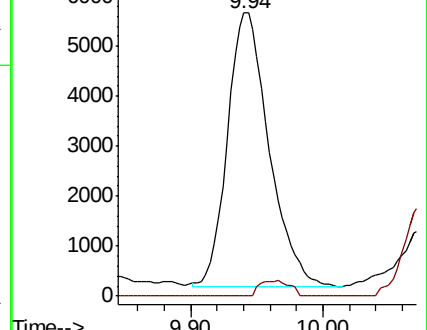
43 100

58 0.0 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)



#52

Toluene

Concen: 0.827 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061035.D

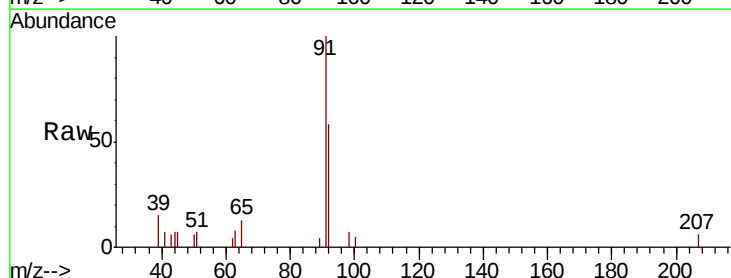
Acq: 17 Apr 2020 00:15

Tgt Ion: 92 Resp: 4371

Ion Ratio Lower Upper

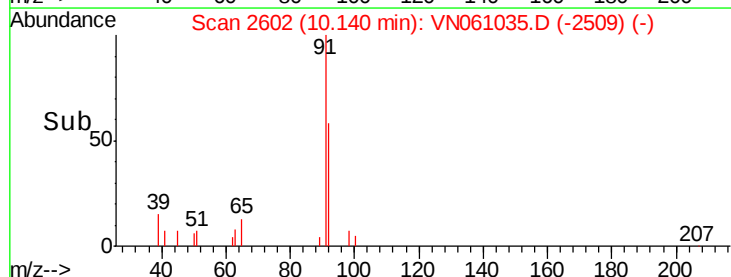
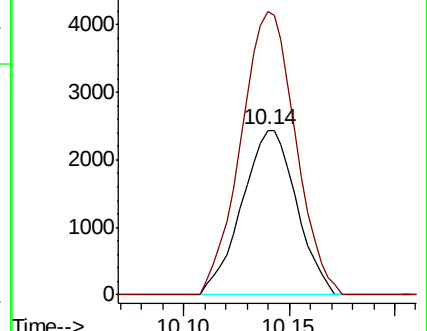
92 100

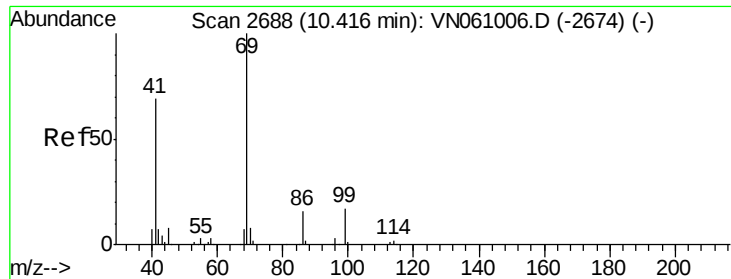
91 172.6 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN061006.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN061006.D (-2587) (-)





#56

Ethyl methacrylate

Concen: 0.241 ug/l

RT: 10.34 min Scan# 2665

Delta R.T. -0.07 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

ClientSampled :

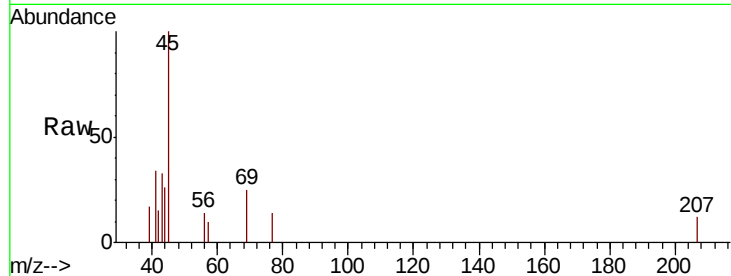
Tot Ion: 69 Resp: 757

Ion Ratio Lower Upper

69 100

41 0.0 56.7 85.1#

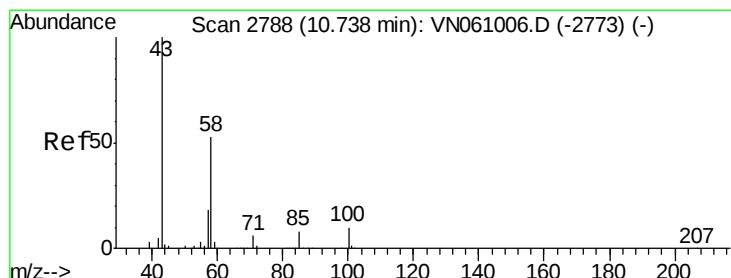
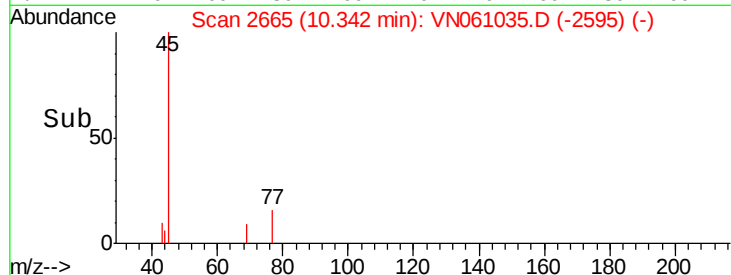
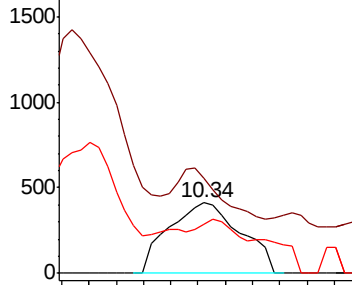
39 0.0 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VN061006.D (-2674) (-)

Ion 41.00 (40.70 to 41.70): VN061006.D (-2674) (-)

Ion 39.00 (38.70 to 39.70): VN061006.D (-2674) (-)



#59

2-Hexanone

Concen: 0.642 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN061035.D

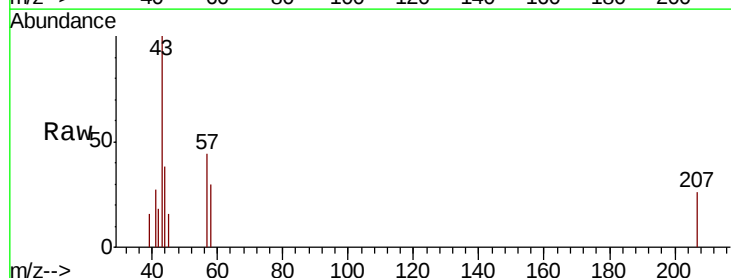
Acq: 17 Apr 2020 00:15

Tgt Ion: 43 Resp: 1399

Ion Ratio Lower Upper

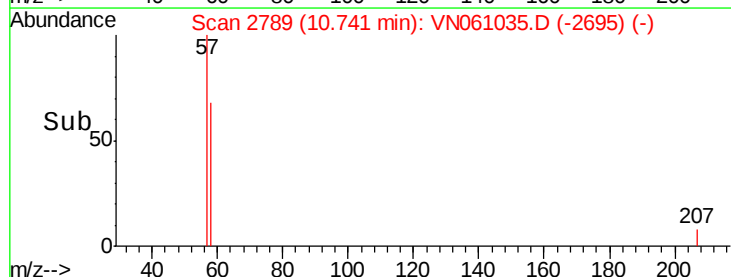
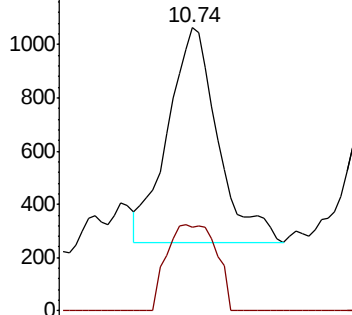
43 100

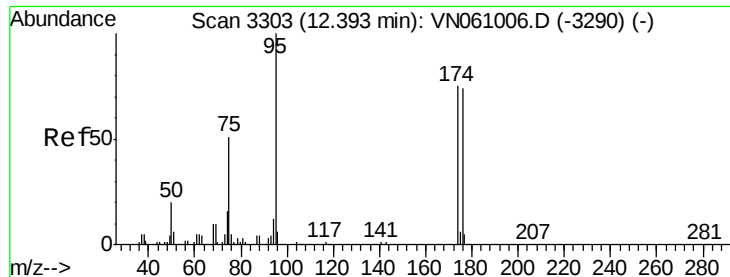
58 39.7 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2773) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2773) (-)

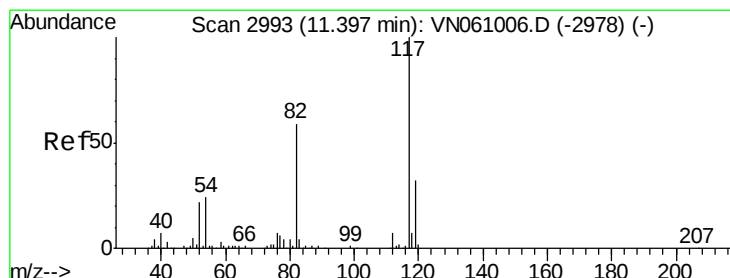
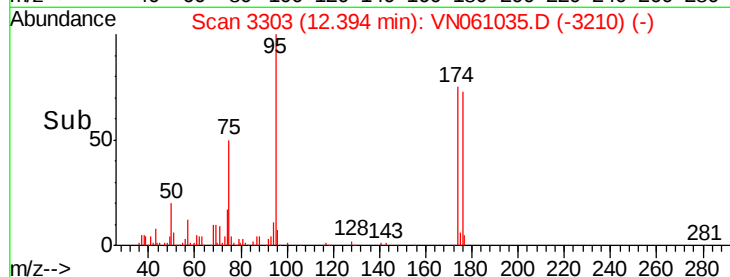
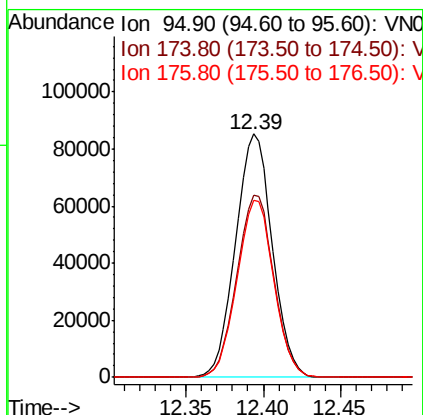
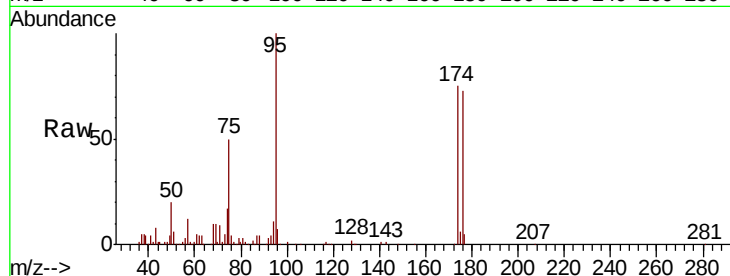




#62  
4-Bromofluorobenzene  
Concen: 56.458 ug/l  
RT: 12.39 min Scan# 3303  
Delta R.T. 0.00 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

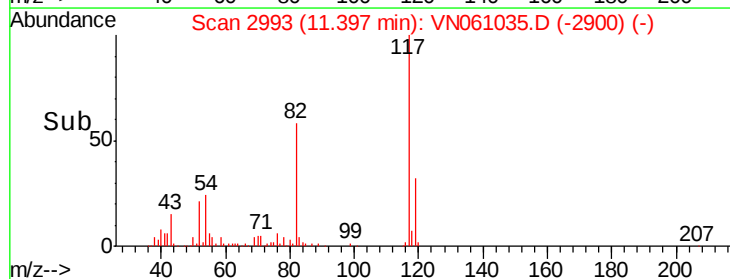
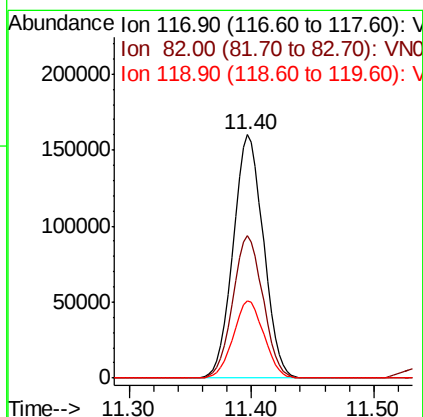
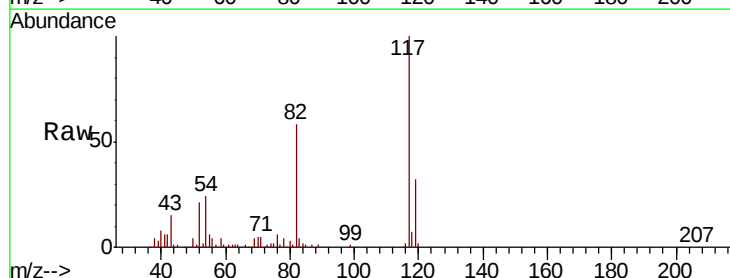
Instrument :  
MSVOA\_N  
ClientSampleId :

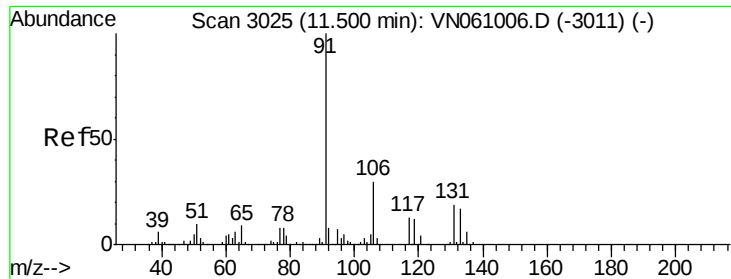
Tot Ion: 95 Resp: 140521  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 151.2  
176 73.1 0.0 148.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2993  
Delta R.T. 0.00 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Tgt Ion: 117 Resp: 275749  
Ion Ratio Lower Upper  
117 100  
82 58.4 47.1 70.7  
119 31.9 25.7 38.5





#66

1,1,1,2-Tetrachloroethane

Concen: 1.311 ug/l

RT: 11.53 min Scan# 3035

Delta R.T. 0.03 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

ClientSampleId :

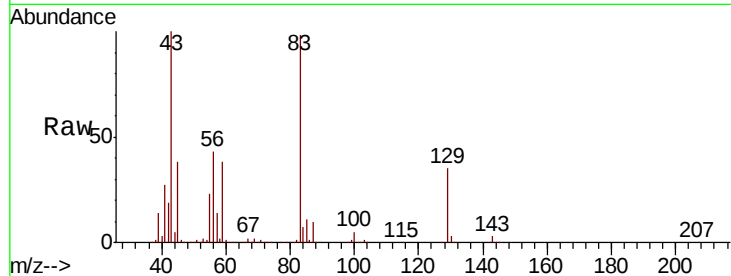
Tot Ion:131 Resp: 2669

Ion Ratio Lower Upper

131 100

133 0.0 47.9 143.8#

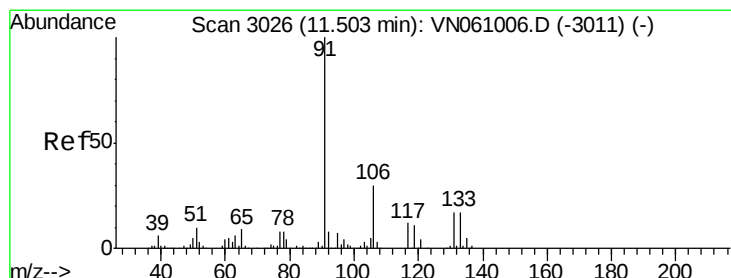
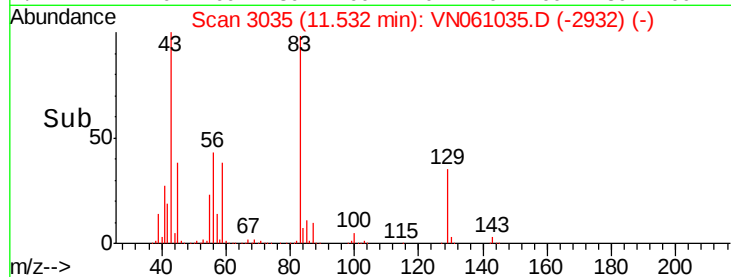
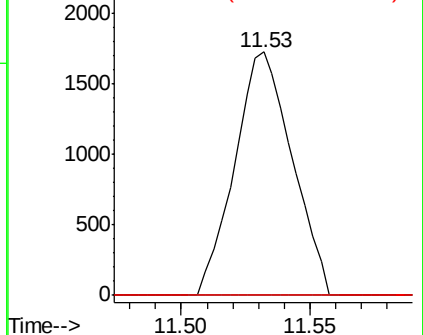
119 0.0 33.3 99.8#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.207 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN061035.D

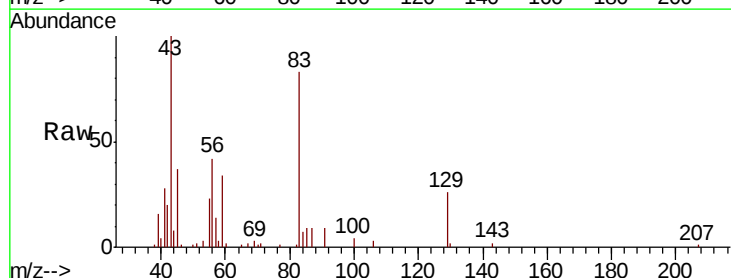
Acq: 17 Apr 2020 00:15

Tgt Ion: 91 Resp: 2215

Ion Ratio Lower Upper

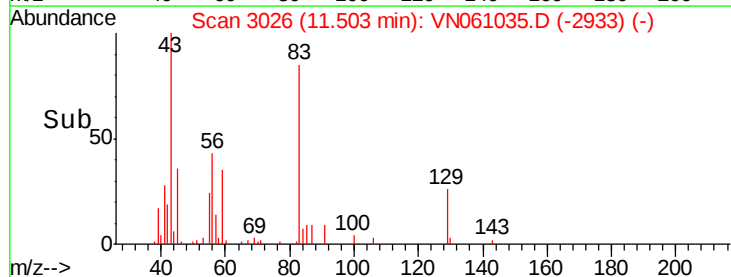
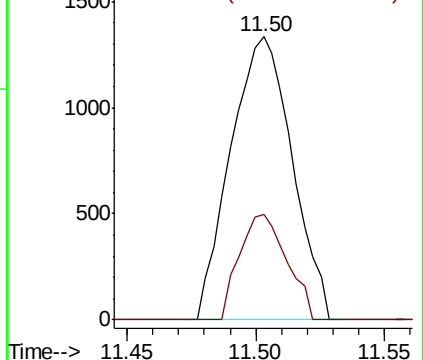
91 100

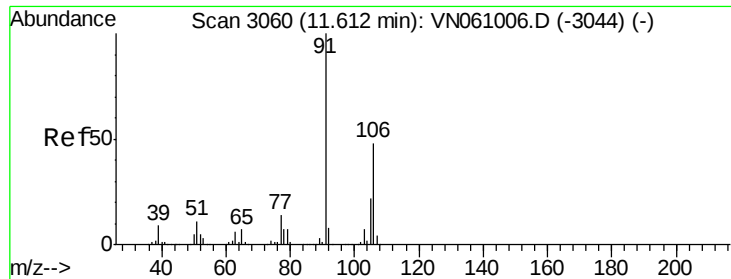
106 37.4 23.8 35.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

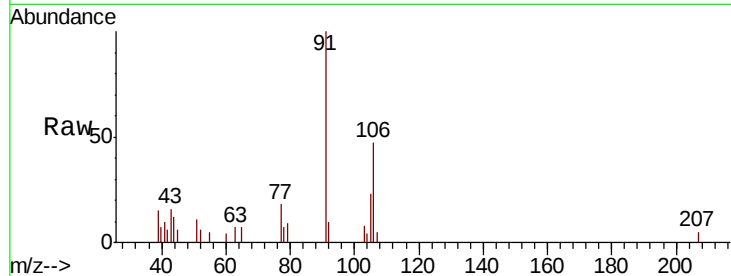




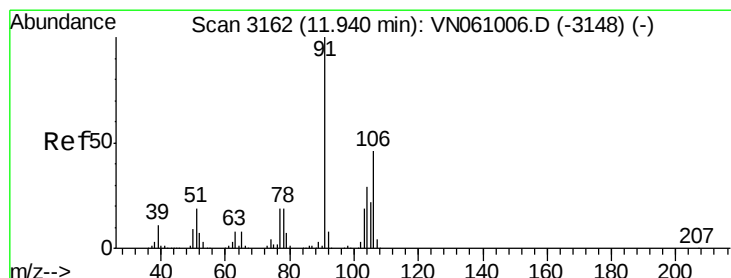
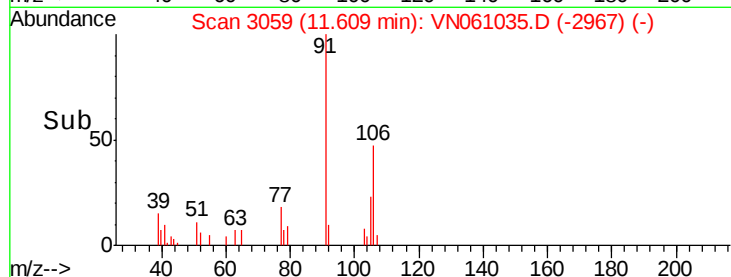
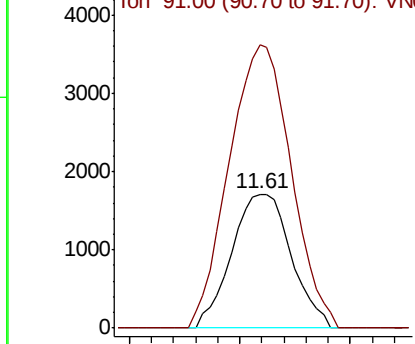
#68  
m/p-Xylenes  
Concen: 0.826 ug/l  
RT: 11.61 min Scan# 3059  
Delta R.T. -0.00 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:106 Resp: 3198  
Ion Ratio Lower Upper  
106 100  
91 220.8 167.9 251.9

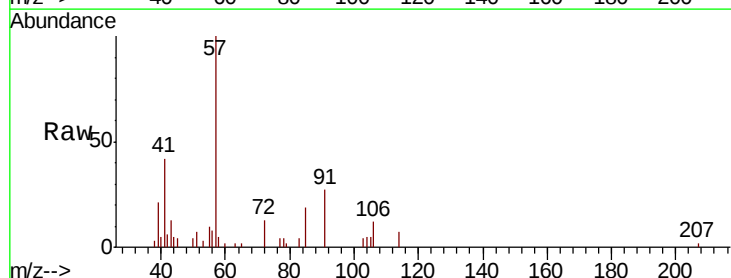


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

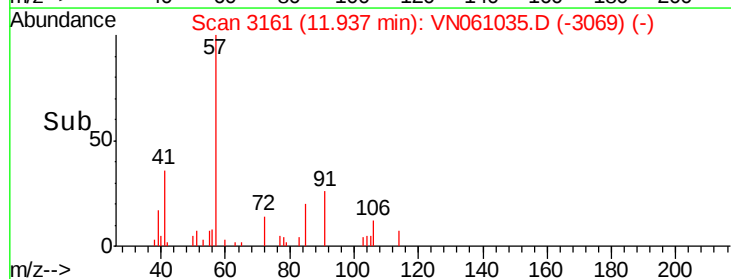
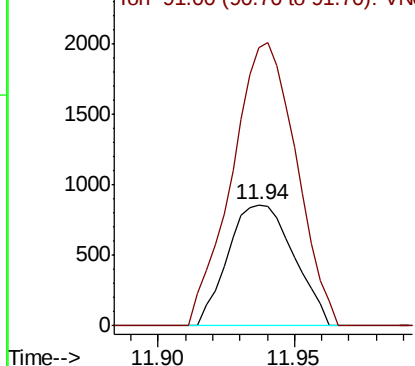


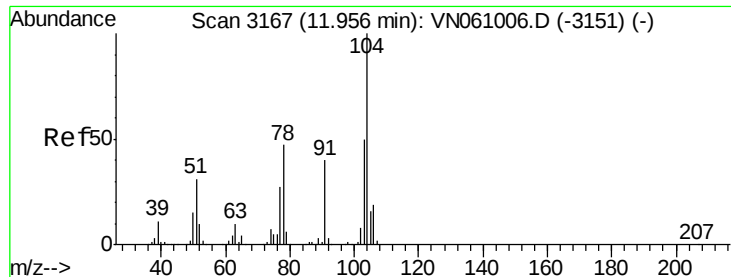
#69  
o-Xylene  
Concen: 0.386 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. -0.00 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Tgt Ion:106 Resp: 1437  
Ion Ratio Lower Upper  
106 100  
91 228.7 110.7 332.1



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

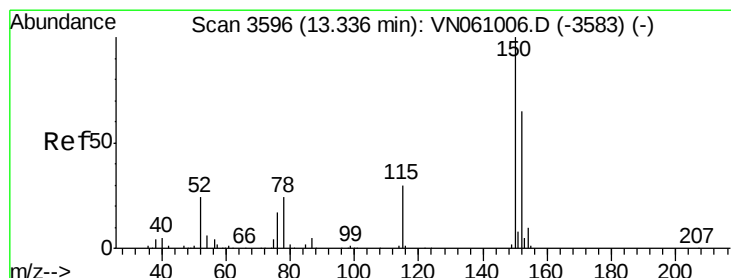
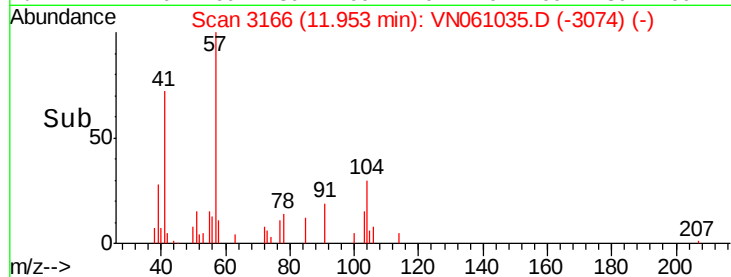
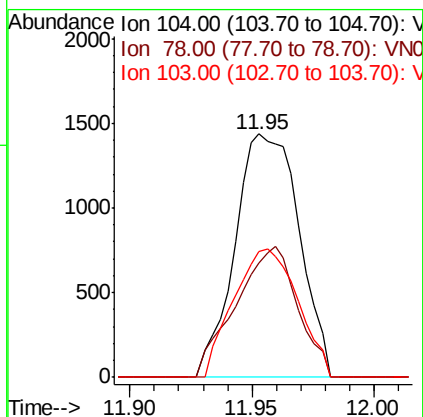
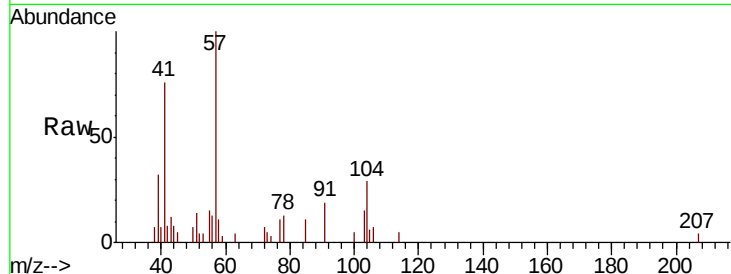




#70  
Stvrene  
Concen: 0.437 ug/l  
RT: 11.95 min Scan# 3166  
Delta R.T. -0.00 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

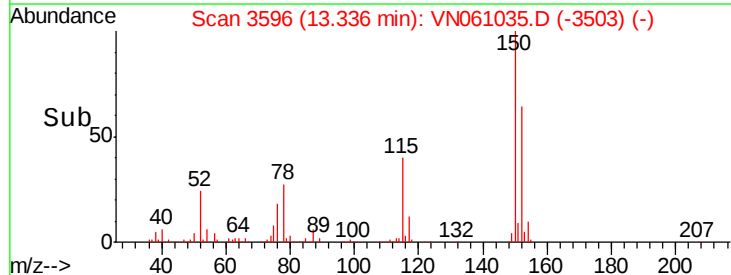
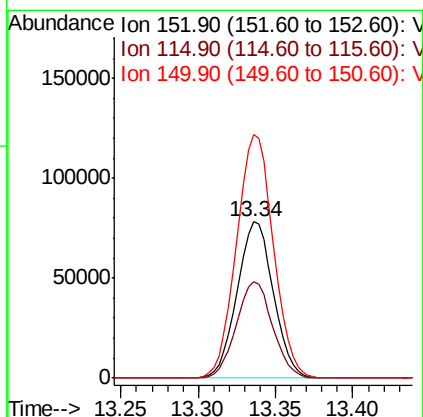
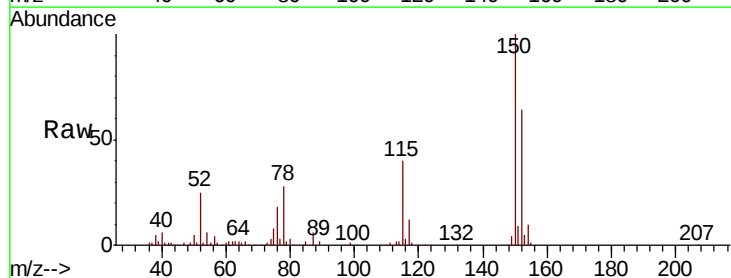
Instrument :  
MSVOA\_N  
ClientSampleId :

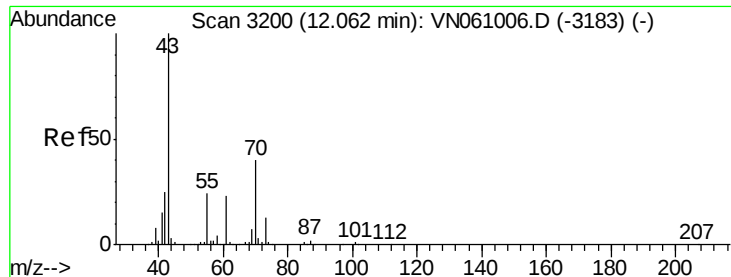
Tot Ion:104 Resp: 2619  
Ion Ratio Lower Upper  
104 100  
78 51.5 42.2 63.4  
103 52.8 44.4 66.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3596  
Delta R.T. 0.00 min  
Lab File: VN061035.D  
Acq: 17 Apr 2020 00:15

Tgt Ion:152 Resp: 127559  
Ion Ratio Lower Upper  
152 100  
115 61.8 30.8 92.4  
150 158.1 0.0 349.0





#74

N-amyl acetate

Concen: 5.803 ug/l

RT: 11.99 min Scan# 3177

Delta R.T. -0.07 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion: 43 Resp: 27579

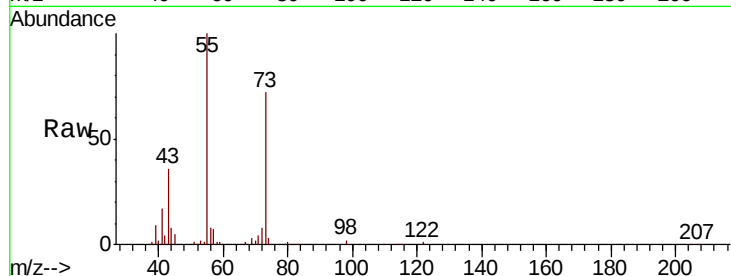
Ion Ratio Lower Upper

43 100

70 3.7 31.0 46.6#

55 254.6 18.6 27.8#

61 0.0 18.2 27.4#

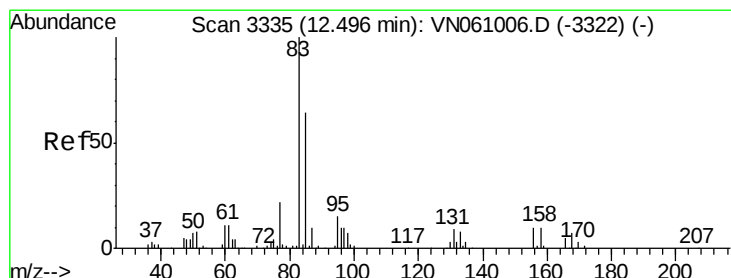
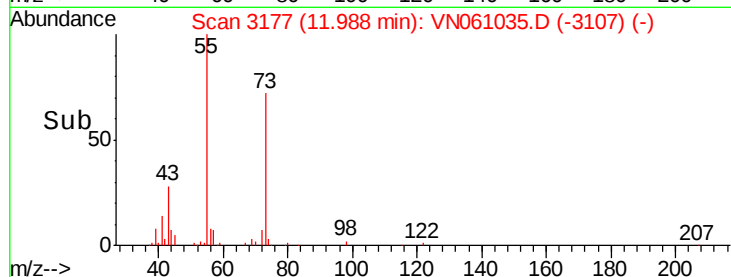
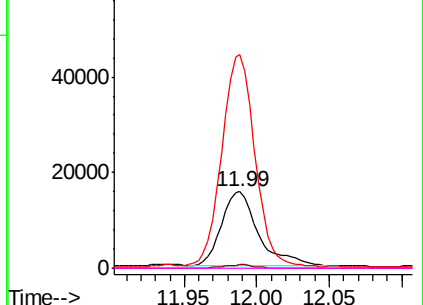


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.311 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.05 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

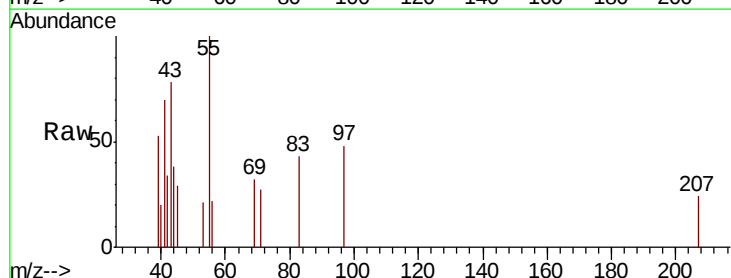
Tgt Ion: 83 Resp: 969

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

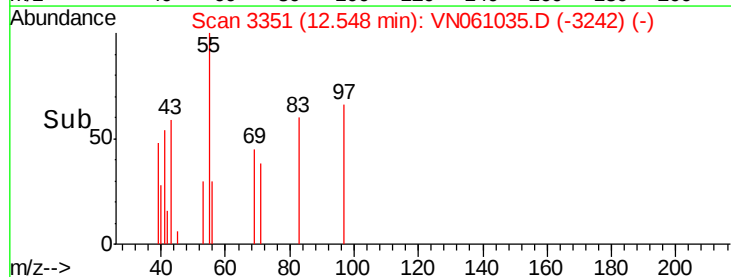
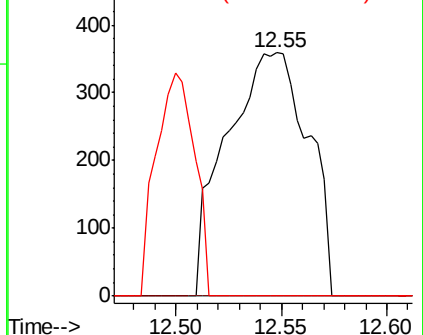
85 0.0 32.3 96.8#

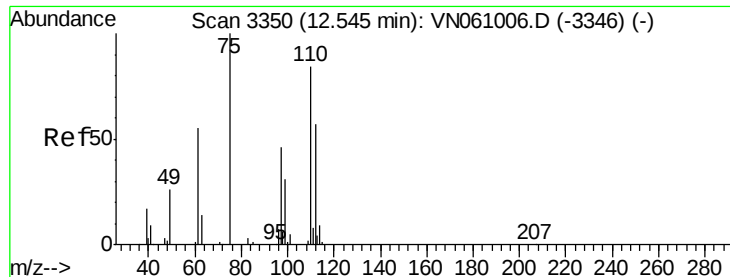


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 25.129 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

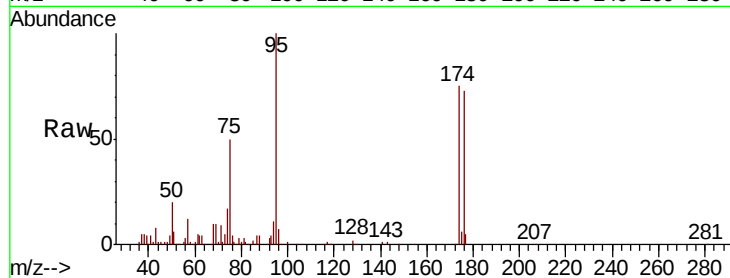
ClientSampled :

Tot Ion: 75 Resp: 70505

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061006.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN061006.D (-3346) (-)

12.39

40000

30000

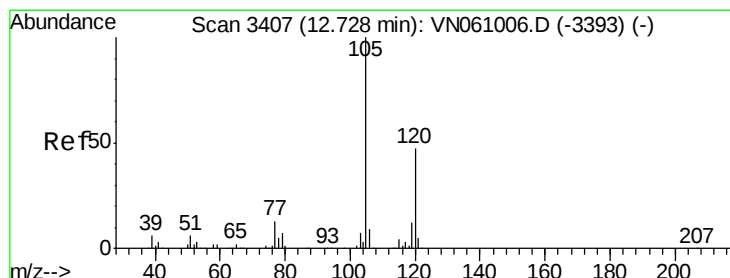
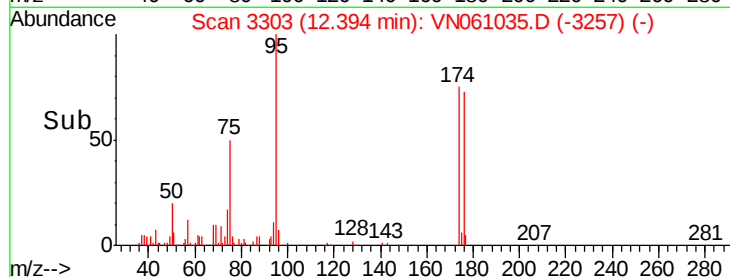
20000

10000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.263 ug/l

RT: 12.72 min Scan# 3406

Delta R.T. -0.00 min

Lab File: VN061035.D

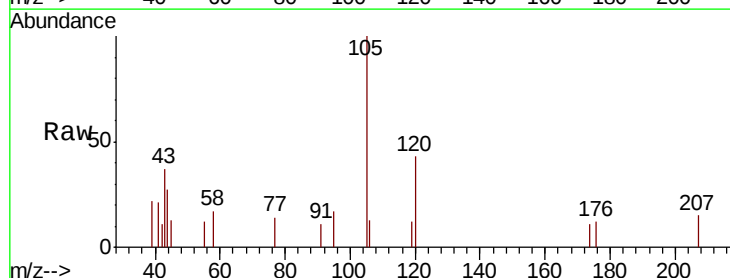
Acq: 17 Apr 2020 00:15

Tgt Ion: 105 Resp: 2218

Ion Ratio Lower Upper

105 100

120 51.8 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061006.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN061006.D (-3393) (-)

12.72

2000

1500

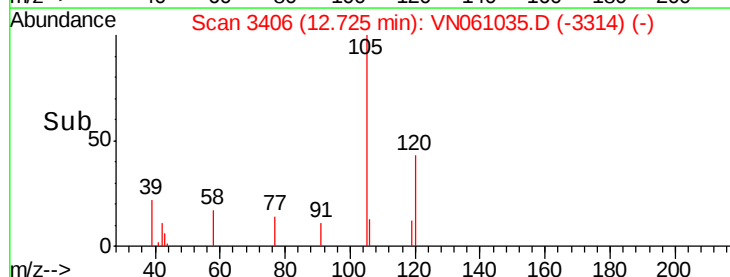
1000

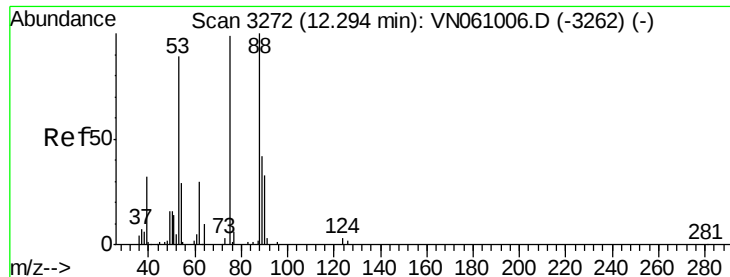
500

0

12.70 12.75

Time-->

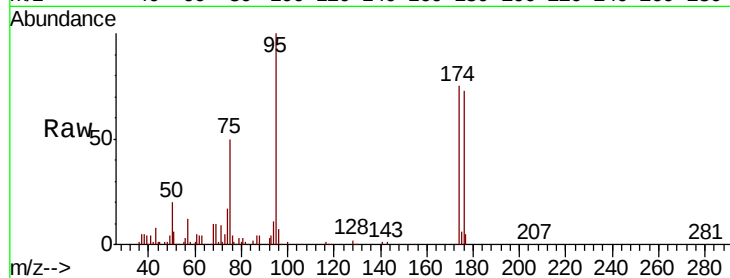




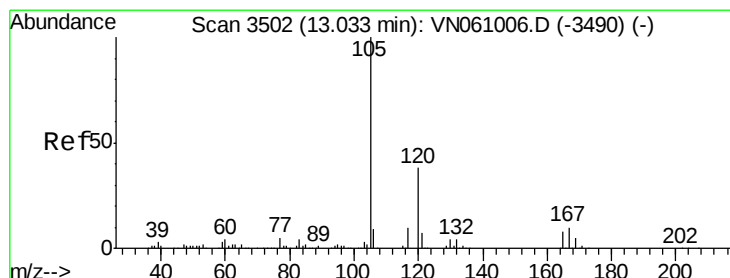
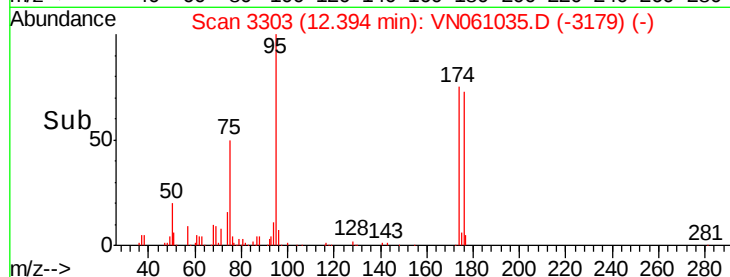
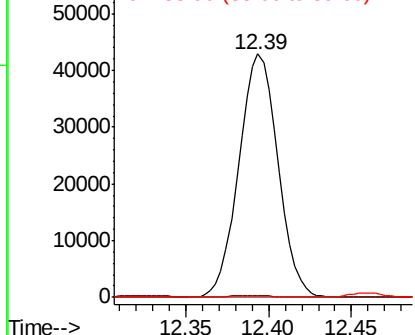
#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 61.981 ug/l  
 RT: 12.39 min Scan# 3303  
 Delta R.T. 0.10 min  
 Lab File: VN061035.D  
 Acq: 17 Apr 2020 00:15

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion: 75 Resp: 70505  
 Ion Ratio Lower Upper  
 75 100  
 53 0.6 74.7 112.1#  
 89 0.0 34.6 52.0#

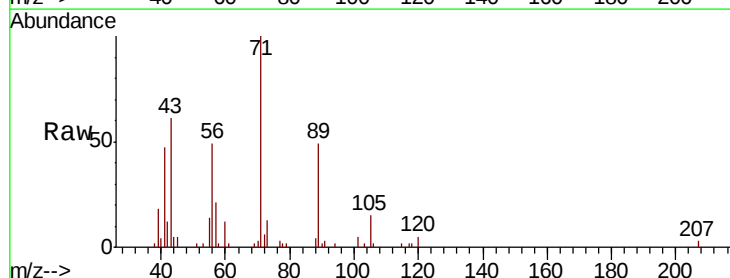


Abundance Ion 74.90 (74.60 to 75.60): VN0  
 Ion 53.00 (52.70 to 53.70): VN0  
 Ion 88.90 (88.60 to 89.60): VN0

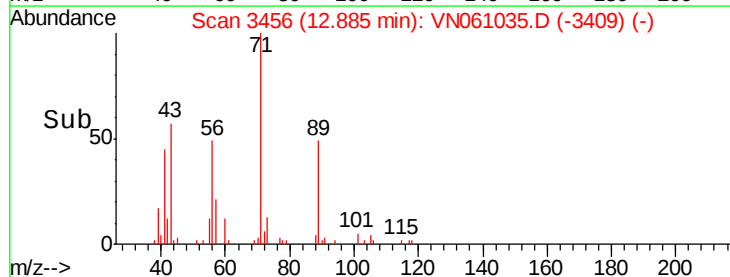
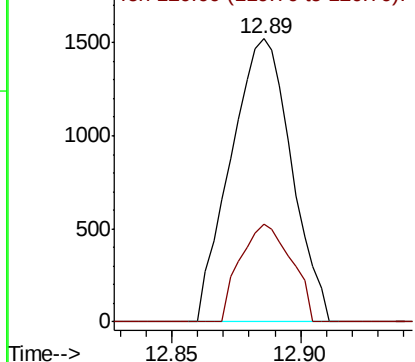


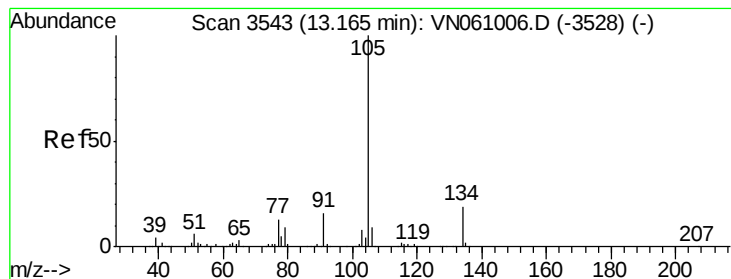
#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.299 ug/l  
 RT: 12.89 min Scan# 3456  
 Delta R.T. -0.15 min  
 Lab File: VN061035.D  
 Acq: 17 Apr 2020 00:15

Tgt Ion:105 Resp: 2493  
 Ion Ratio Lower Upper  
 105 100  
 120 29.2 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 2.484 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

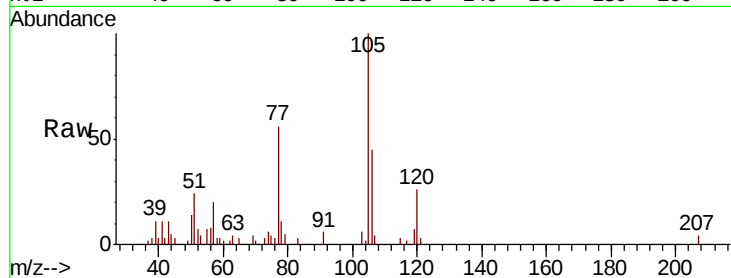
ClientSampled :

Tot Ion:105 Resp: 23906

Ion Ratio Lower Upper

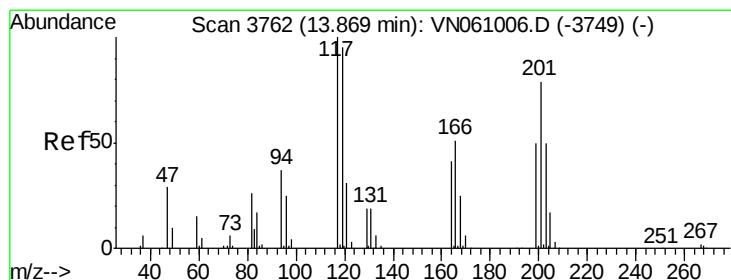
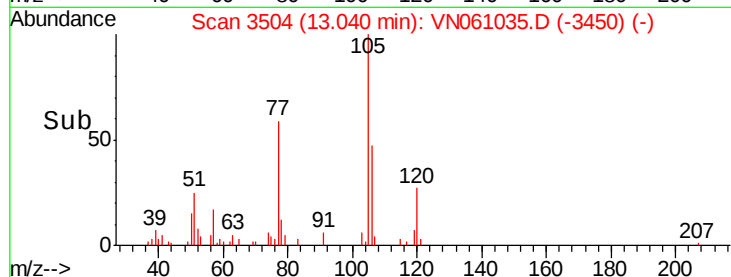
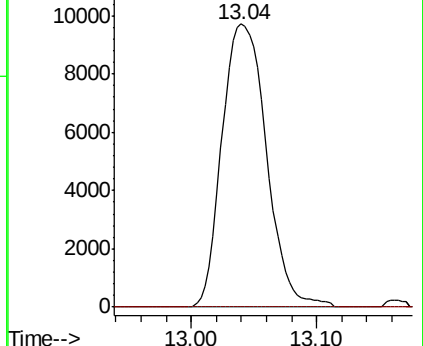
105 100

134 0.0 9.5 28.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.399 ug/l

RT: 13.86 min Scan# 3760

Delta R.T. -0.01 min

Lab File: VN061035.D

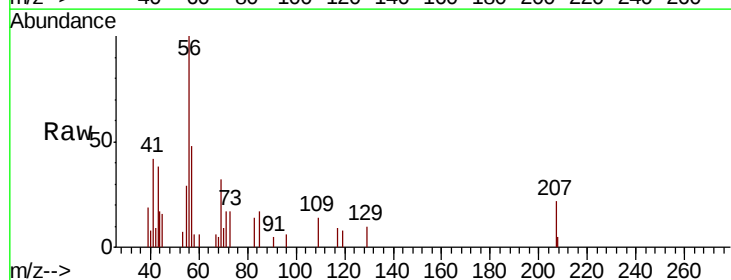
Acq: 17 Apr 2020 00:15

Tgt Ion:117 Resp: 525

Ion Ratio Lower Upper

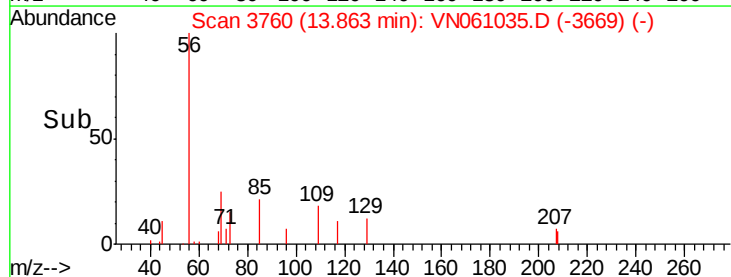
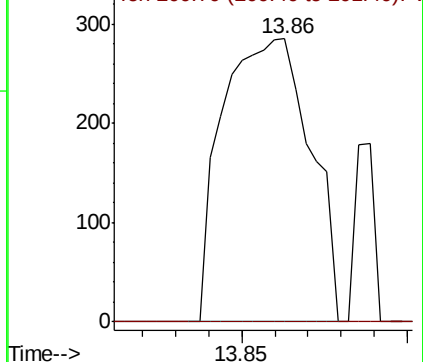
117 100

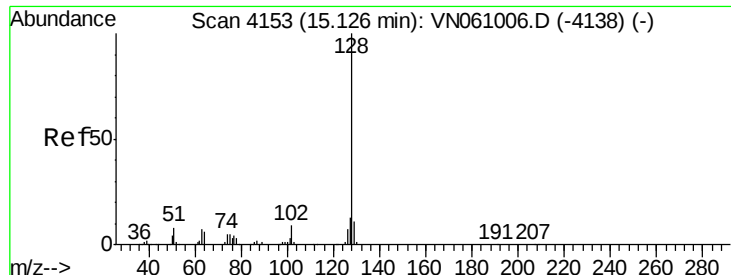
201 0.0 39.3 117.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 1.964 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN061035.D

Acq: 17 Apr 2020 00:15

Instrument :

MSVOA\_N

ClientSampleId :

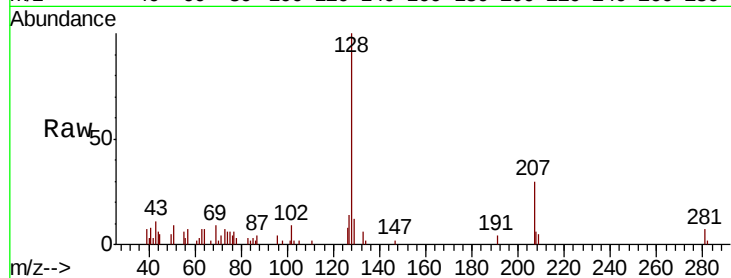
Tot Ion:128 Resp: 13757

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 0.0 8.6 13.0#



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

