

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\  
 Data File : VN056749.D  
 Acq On : 16 Jul 2019 6:23  
 Operator : JC/SP  
 Sample : K3626-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-071119-A

Quant Time: Jul 16 06:45:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 01:25:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 290279   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 526560   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 570632   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 246601   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 171337   | 53.36 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.72% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 156569   | 47.78 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.56%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 669316   | 52.88 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.76% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 258921   | 60.66 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 121.32% |          |

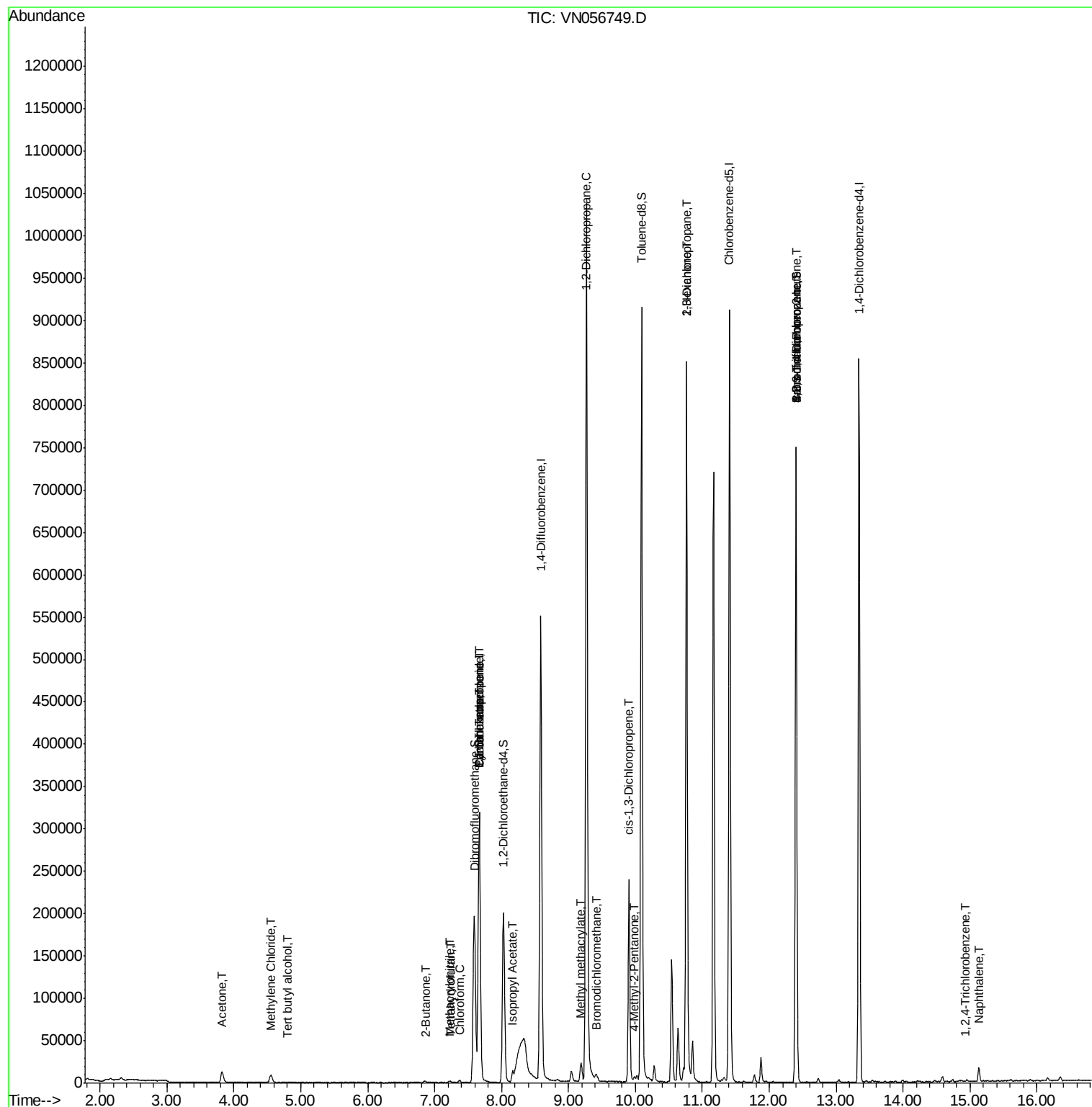
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.79  | 59   | 216      | 0.404     | ug/l # | 73     |
| 16) Acetone                    | 3.83  | 43   | 24245    | 16.386    | ug/l   | 97     |
| 18) Methyl Acetate             | 4.33  | 43   | 245      | Below Cal | #      | 52     |
| 20) Methylene Chloride         | 4.55  | 84   | 7521     | 2.326     | ug/l   | 91     |
| 25) 2-Butanone                 | 6.86  | 43   | 4693     | 2.169     | ug/l   | 93     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 2004     | 1.420     | ug/l # | 61     |
| 30) Chloroform                 | 7.37  | 83   | 3477     | 0.643     | ug/l   | 99     |
| 31) Cyclohexane                | 7.66  | 56   | 4567     | 0.890     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 18897    | 3.878     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 25040    | 5.480     | ug/l # | 17     |
| 41) Methacrylonitrile          | 7.22  | 41   | 978      | 0.464     | ug/l # | 100    |
| 43) Isopropyl Acetate          | 8.17  | 43   | 16731    | 2.216     | ug/l   | 91     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 1333     | 0.336     | ug/l # | 45     |
| 47) Bromodichloromethane       | 9.41  | 83   | 948      | 0.203     | ug/l # | 86     |
| 48) Methyl methacrylate        | 9.18  | 41   | 7828     | 2.144     | ug/l # | 23     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3801     | 0.777     | ug/l   | 97     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 44900    | 7.939     | ug/l # | 61     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 8643     | 1.423     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43   | 125296   | 35.711    | ug/l # | 50     |
| 71) Bromoform                  | 12.40 | 173  | 1789     | 0.547     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 121619   | 22.549    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.74 | 91   | 177      | Below Cal | #      | 39     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 121619   | 69.639    | ug/l # | 13     |
| 83) tert-Butylbenzene          | 13.04 | 119  | 159      | Below Cal | #      | 1      |
| 93) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 102      | 3.711     | ug/l # | 66     |
| 95) Naphthalene                | 15.13 | 128  | 15615    | 5.600     | ug/l   | 97     |

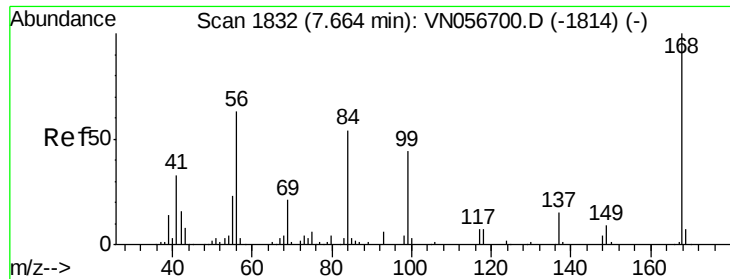
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 16 01:25:25 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

Instrument :

MSVOA\_N

ClientSampleId :

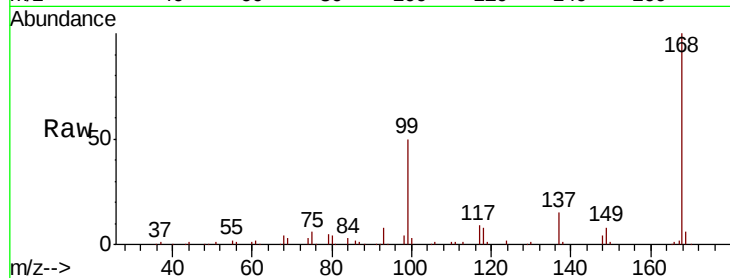
SU-04-071119-A

Tot Ion:168 Resp: 290279

Ion Ratio Lower Upper

168 100

99 50.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

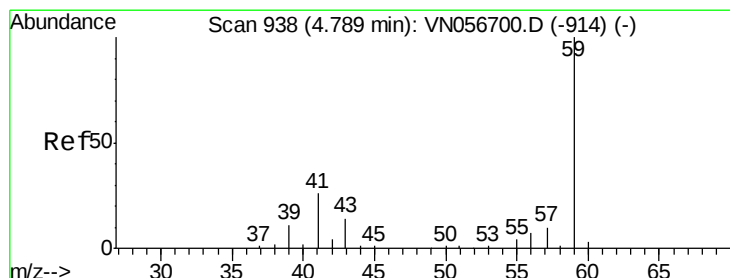
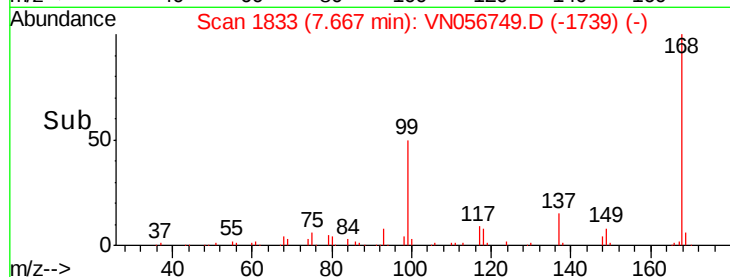
7.67

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.404 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN056749.D

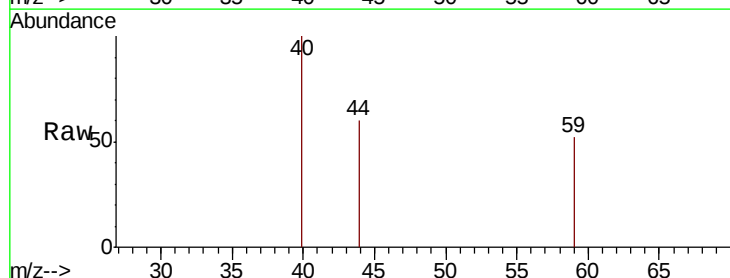
Acq: 16 Jul 2019 6:23

Tgt Ion: 59 Resp: 216

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

250

200

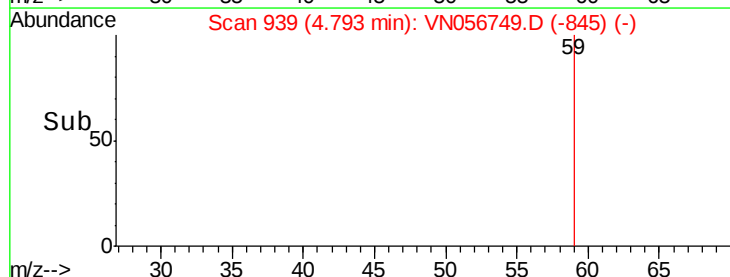
150

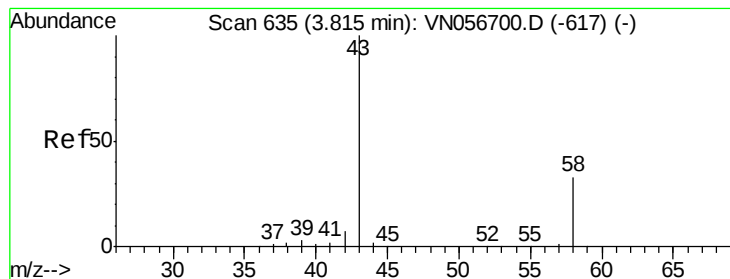
100

50

0

Time-->





#16

Acetone

Concen: 16.386 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

Instrument :

MSVOA\_N

ClientSampleId :

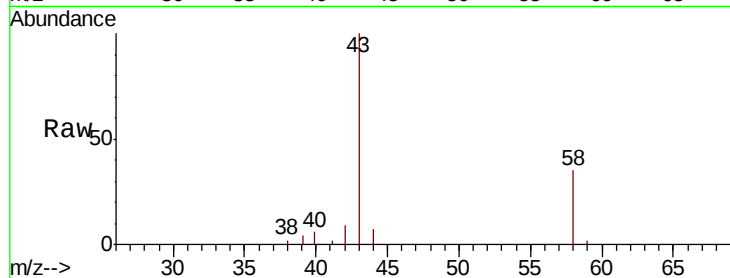
SU-04-071119-A

Tot Ion: 43 Resp: 24245

Ion Ratio Lower Upper

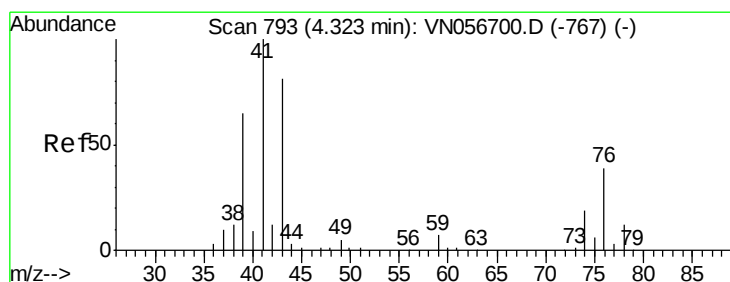
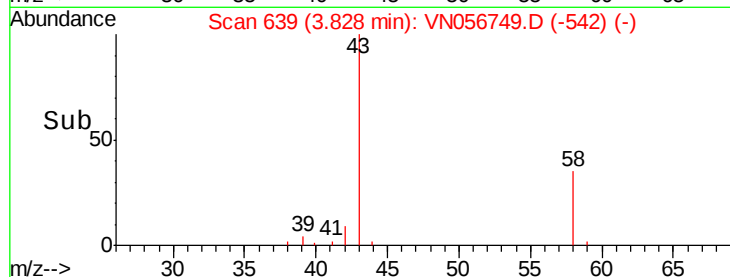
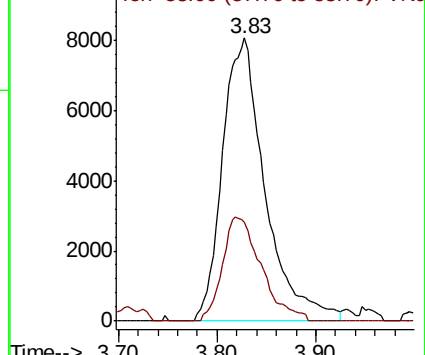
43 100

58 35.0 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056749.D

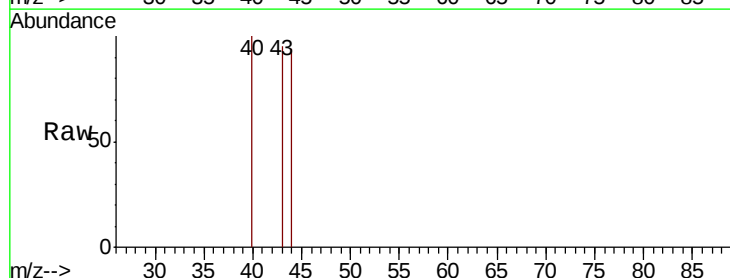
Acq: 16 Jul 2019 6:23

Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

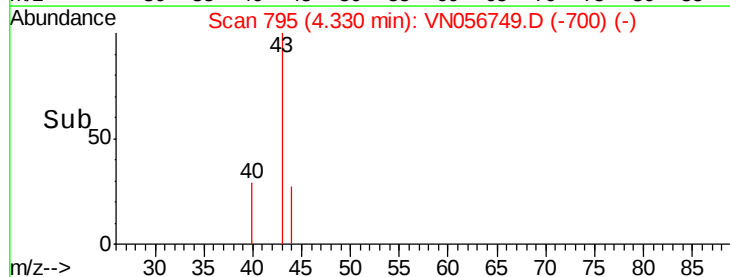
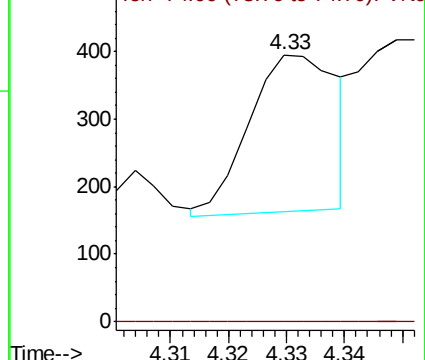
43 100

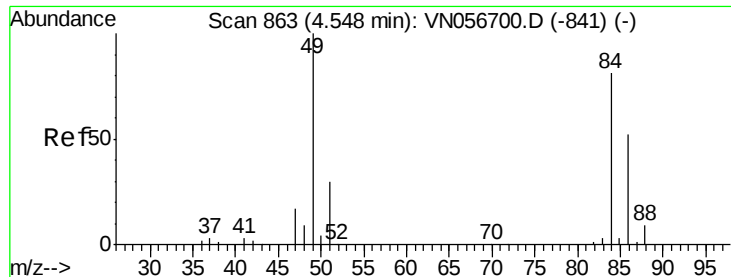
74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

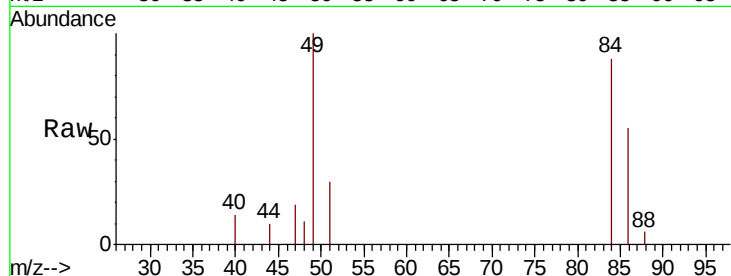




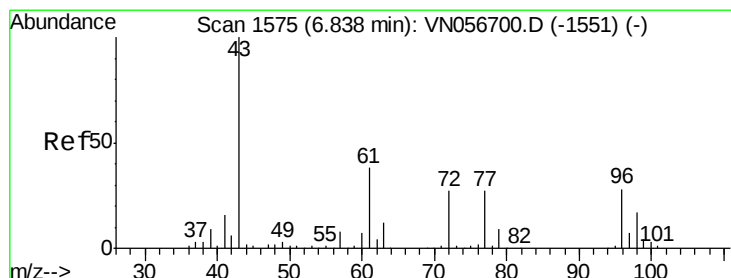
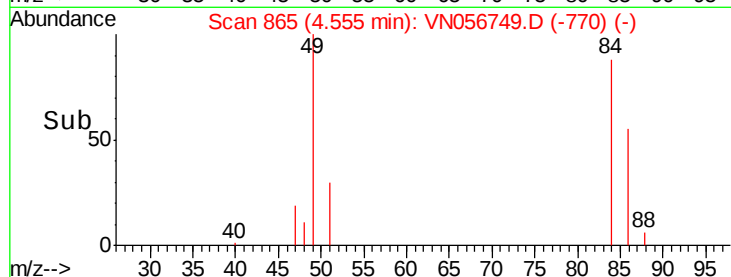
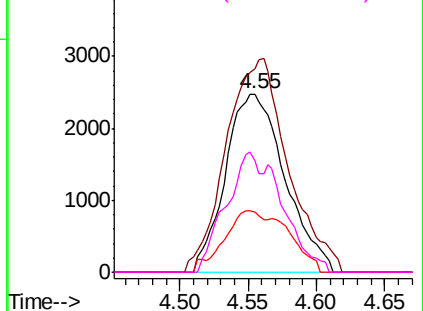
#20  
Methvlene Chloride  
Concen: 2.326 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-071119-A

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 7521  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.8 | 98.2  | 147.4 |
| 51       | 33.8  | 29.6  | 44.4  |
| 86       | 62.5  | 51.0  | 76.4  |

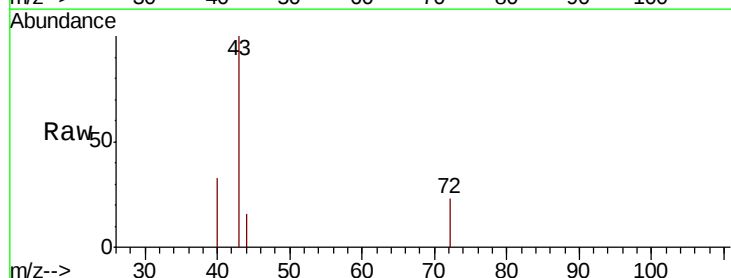


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

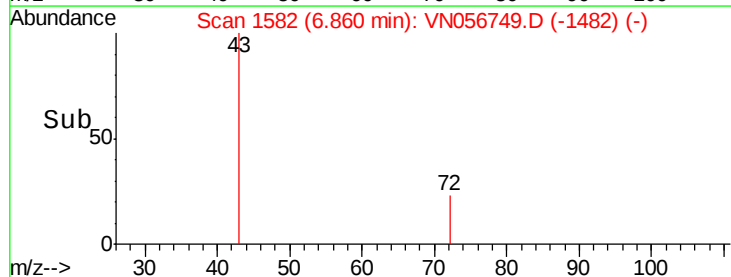
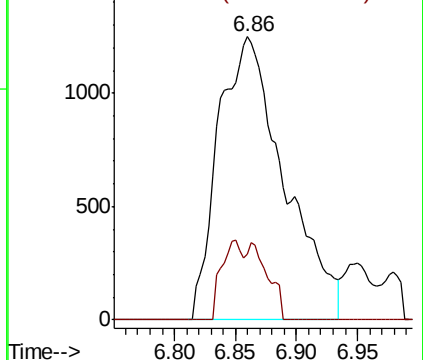


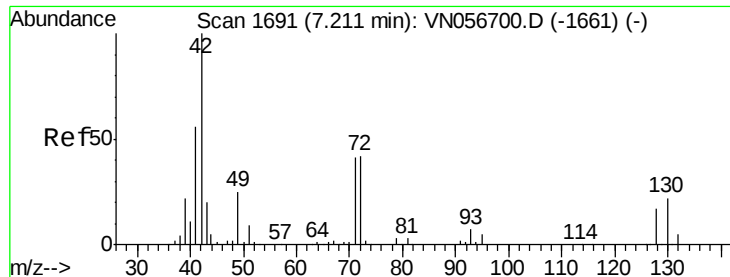
#25  
2-Butanone  
Concen: 2.169 ug/l  
RT: 6.86 min Scan# 1582  
Delta R.T. 0.02 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4693  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 23.2  | 21.2  | 31.8  |



Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0

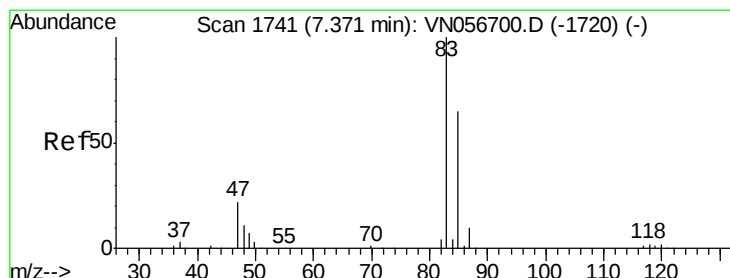
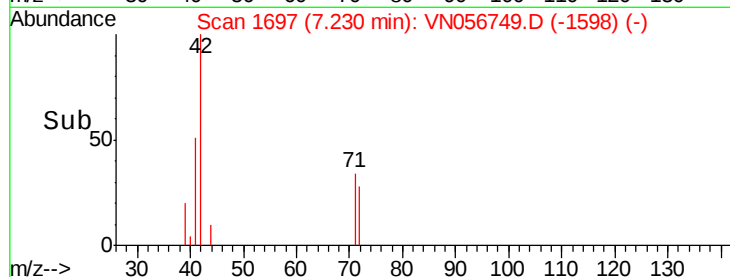
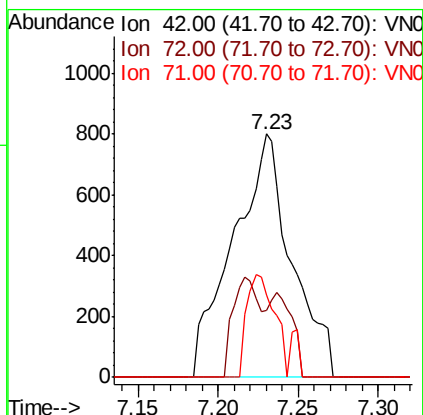
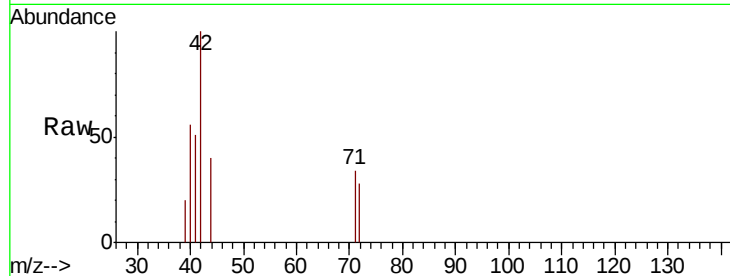




#29  
Tetrahydrofuran  
Concen: 1.420 ug/l  
RT: 7.23 min Scan# 1697  
Delta R.T. 0.02 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

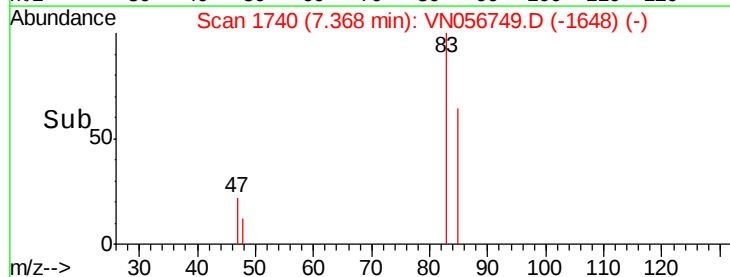
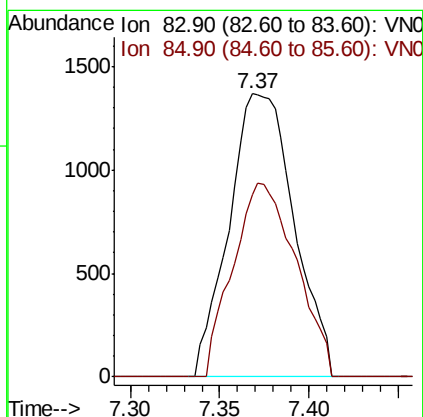
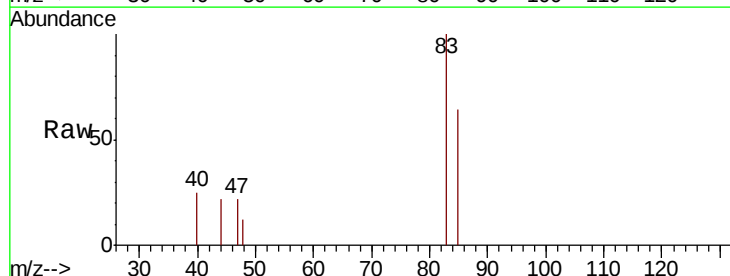
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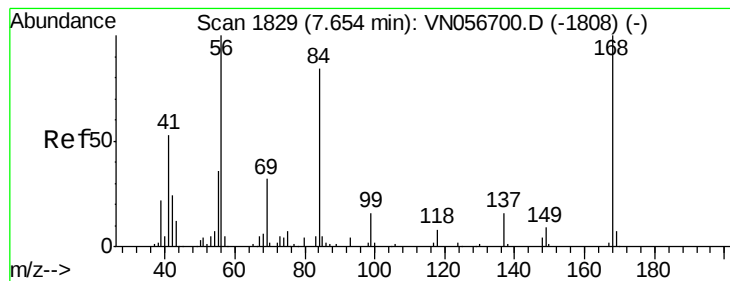
Tot Ion: 42 Resp: 2004  
Ion Ratio Lower Upper  
42 100  
72 13.1 33.5 50.3#  
71 19.6 31.8 47.8#



#30  
Chloroform  
Concen: 0.643 ug/l  
RT: 7.37 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

Tgt Ion: 83 Resp: 3477  
Ion Ratio Lower Upper  
83 100  
85 64.4 51.9 77.9





#31

Cyclohexane

Concen: 0.890 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

Instrument :

MSVOA\_N

ClientSampleId :

SU-04-071119-A

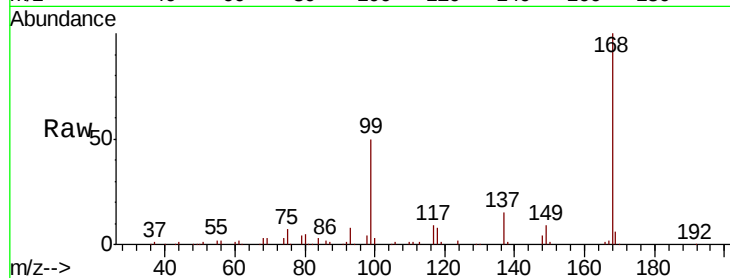
Tot Ion: 56 Resp: 4567

Ion Ratio Lower Upper

56 100

69 185.7 25.8 38.8#

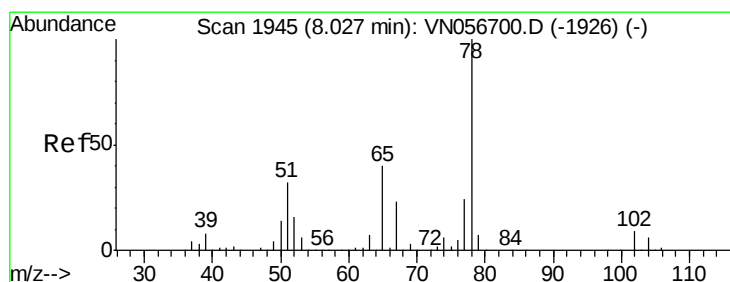
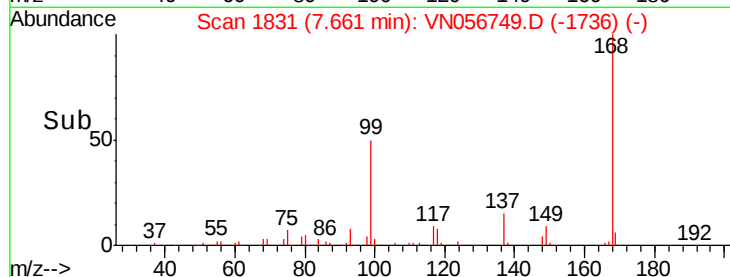
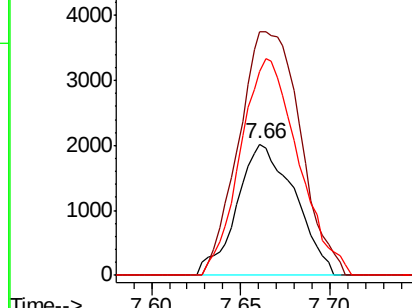
84 155.5 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.361 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056749.D

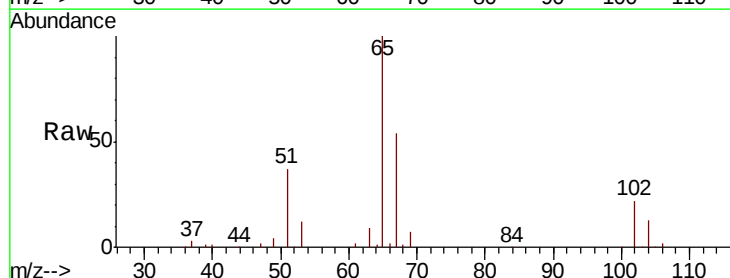
Acq: 16 Jul 2019 6:23

Tgt Ion: 65 Resp: 171337

Ion Ratio Lower Upper

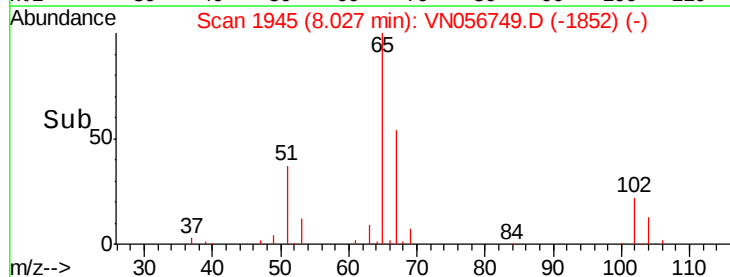
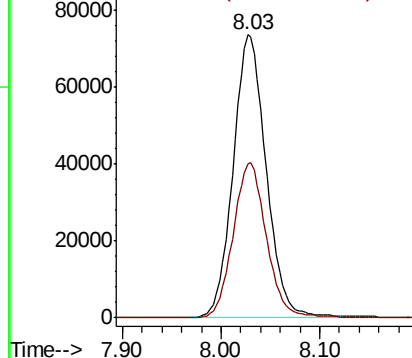
65 100

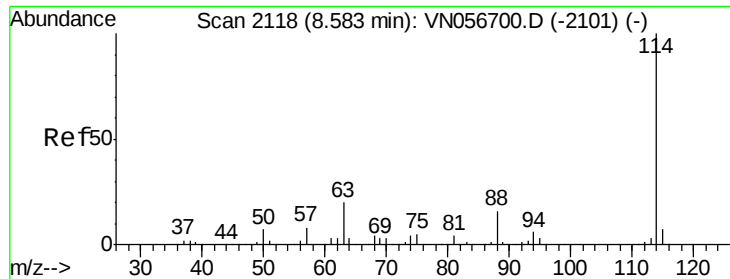
67 54.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

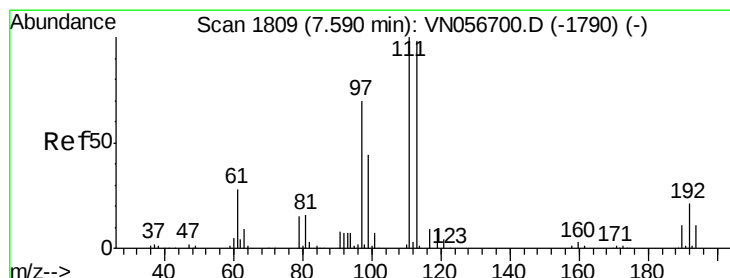
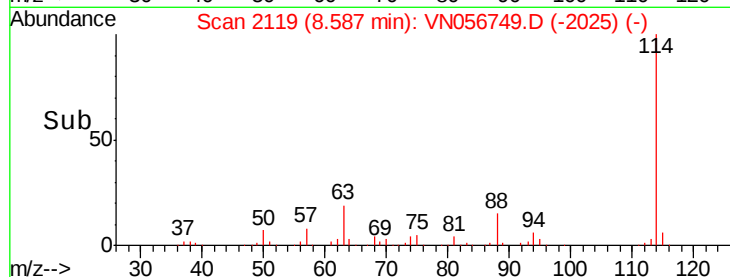
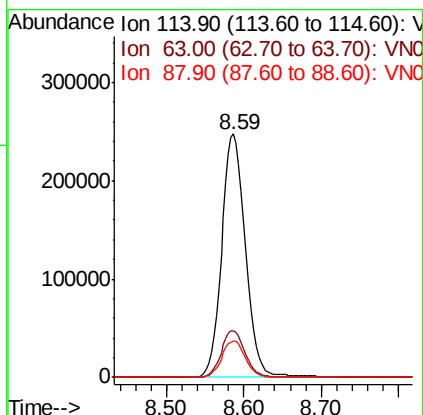
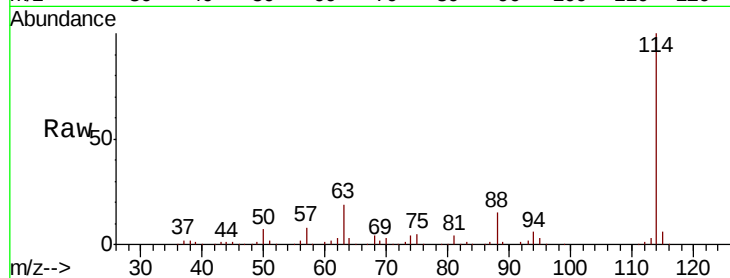




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

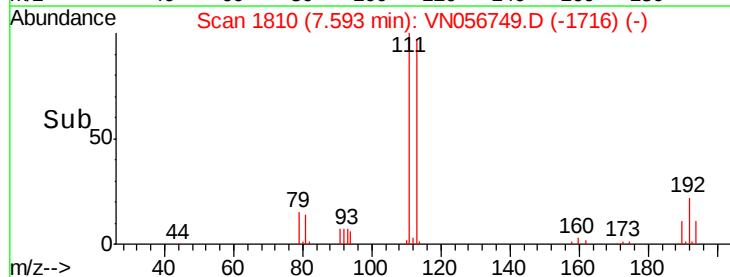
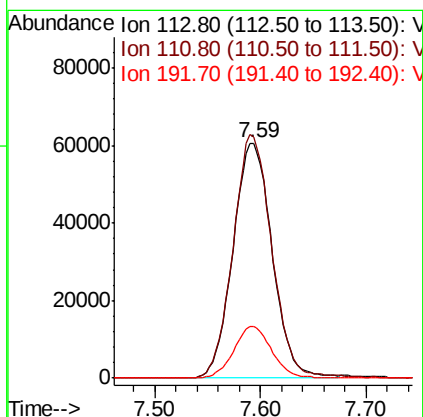
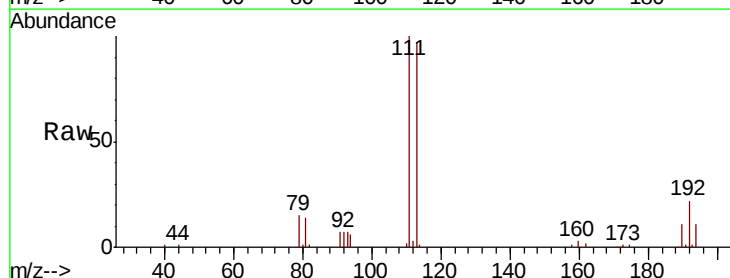
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-071119-A

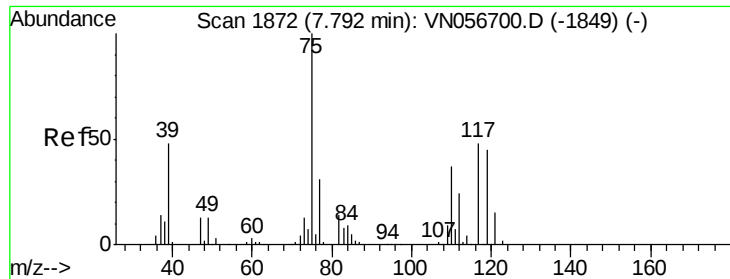
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.2  | 0.0   | 39.4  |
| 88      | 14.9  | 0.0   | 31.2  |



#35  
Dibromofluoromethane  
Concen: 47.780 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 81.8  | 122.6 |
| 192     | 21.3  | 17.5  | 26.3  |

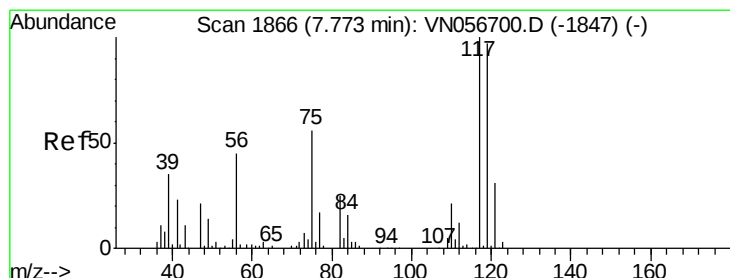
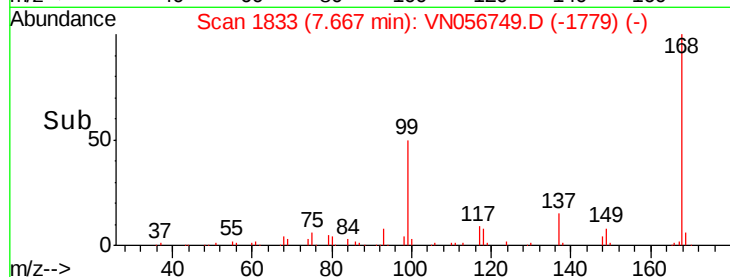
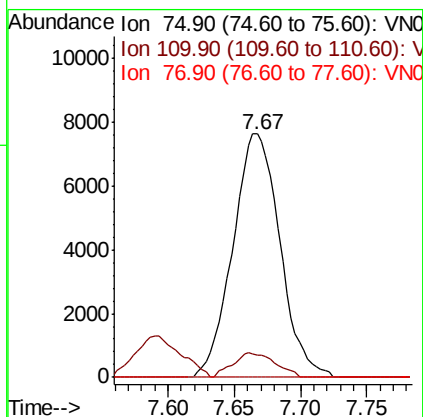
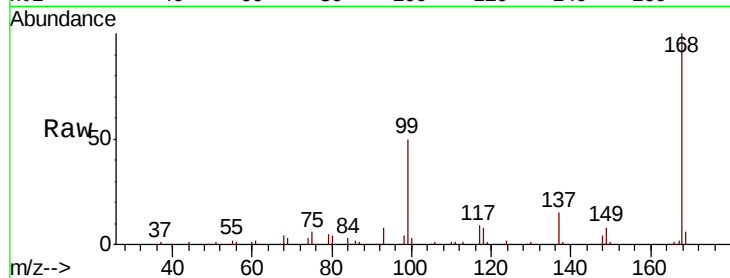




#36  
 1,1-Dichloropropene  
 Concen: 3.878 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN056749.D  
 Acq: 16 Jul 2019 6:23

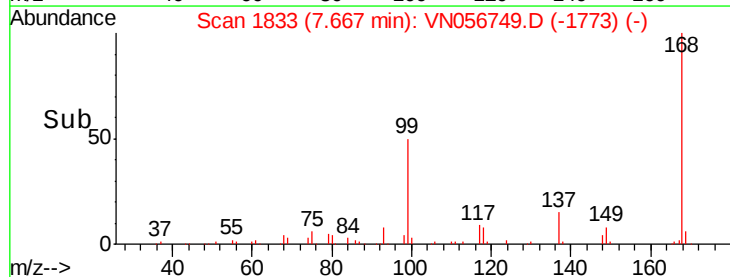
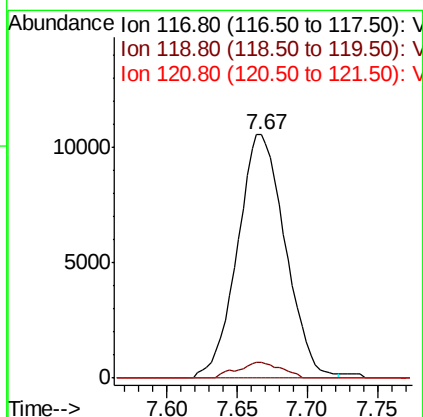
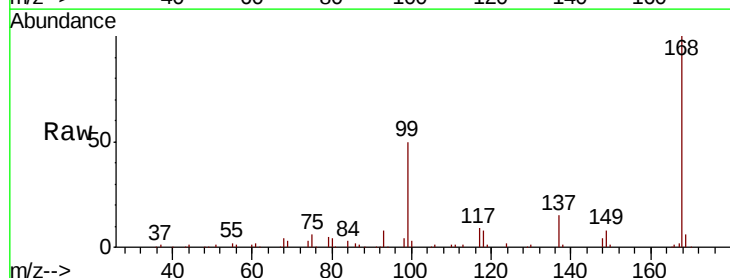
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-071119-A

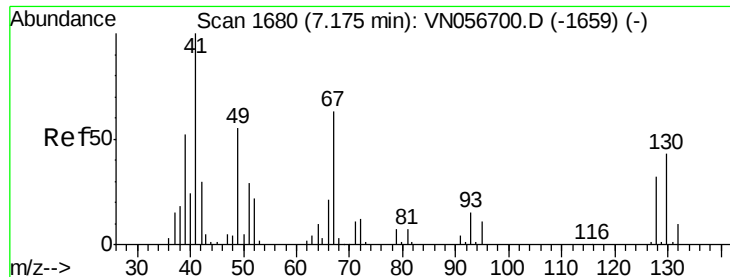
| Tot Ion   | 75    | Resp  | 18897 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 9.1   | 18.4  | 55.4# |
| 77        | 0.0   | 24.6  | 36.8# |



#38  
 Carbon Tetrachloride  
 Concen: 5.480 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.11 min  
 Lab File: VN056749.D  
 Acq: 16 Jul 2019 6:23

| Tgt Ion   | 117   | Resp  | 25040  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 6.5   | 77.5  | 116.3# |
| 121       | 0.0   | 24.7  | 37.1#  |

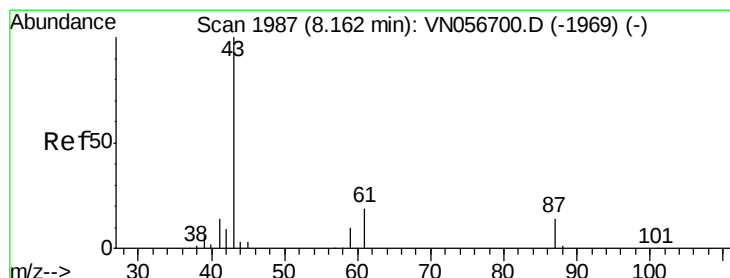
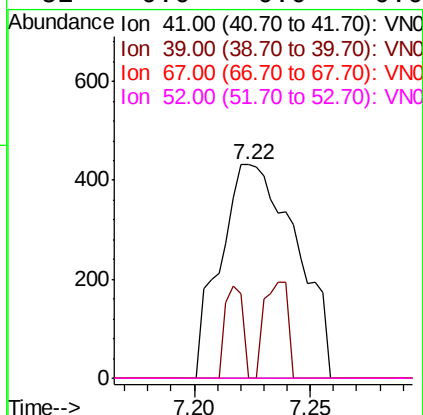
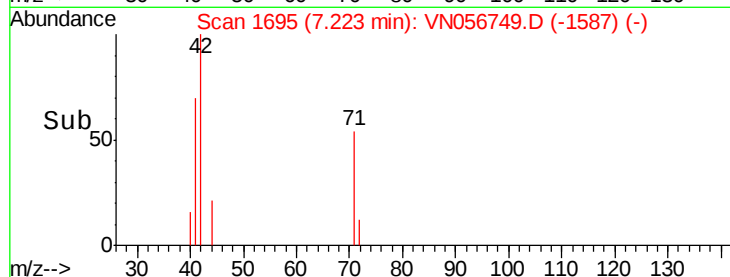
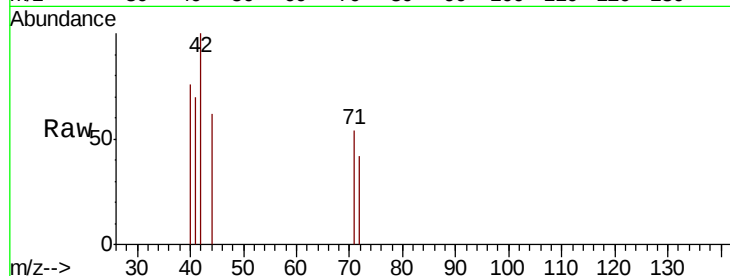




#41  
Methacrylonitrile  
Concen: 0.464 ug/l  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.05 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

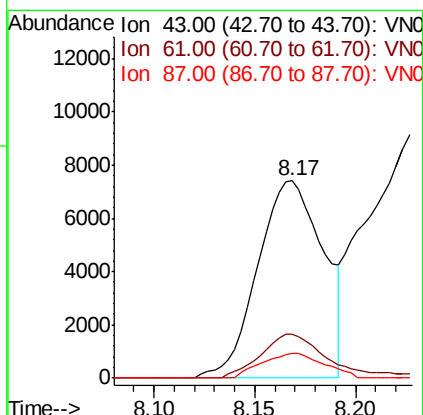
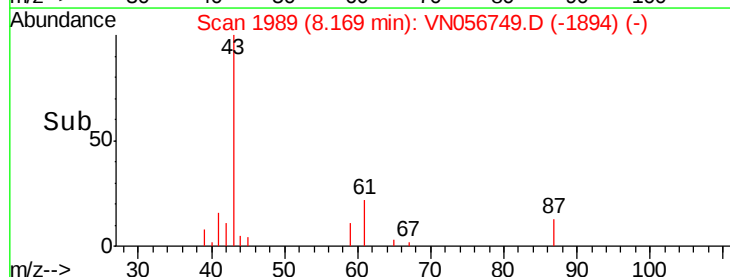
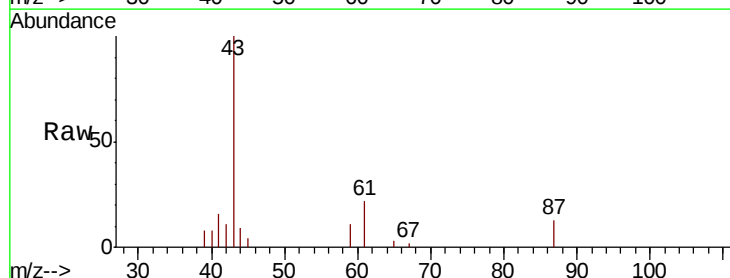
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-071119-A

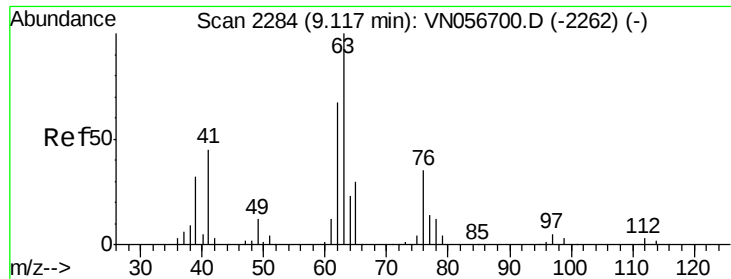
Tot Ion: 41 Resp: 978  
Ion Ratio Lower Upper  
41 100  
39 10.1 0.0 0.0#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#43  
Isopropyl Acetate  
Concen: 2.216 ug/l  
RT: 8.17 min Scan# 1989  
Delta R.T. 0.01 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

Tgt Ion: 43 Resp: 16731  
Ion Ratio Lower Upper  
43 100  
61 22.5 22.3 33.5  
87 11.9 11.1 16.7

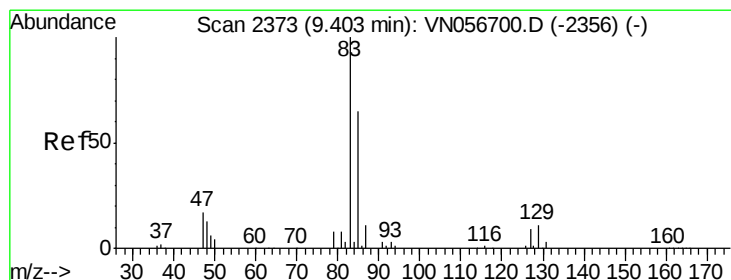
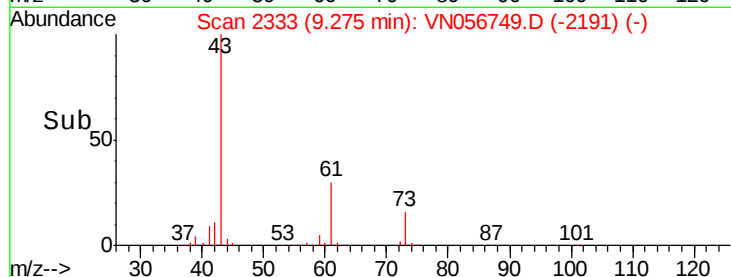
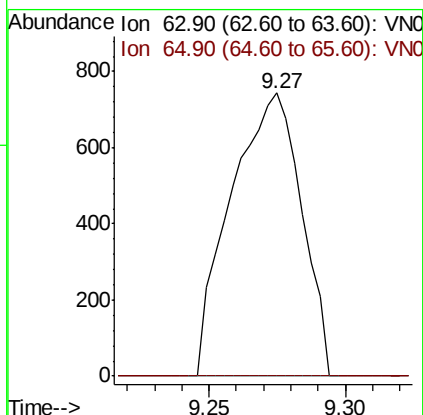
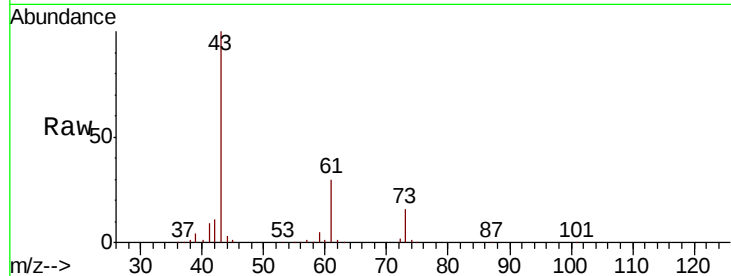




#45  
 1,2-Dichloropropane  
 Concen: 0.336 ug/l  
 RT: 9.27 min Scan# 2333  
 Delta R.T. 0.16 min  
 Lab File: VN056749.D  
 Acq: 16 Jul 2019 6:23

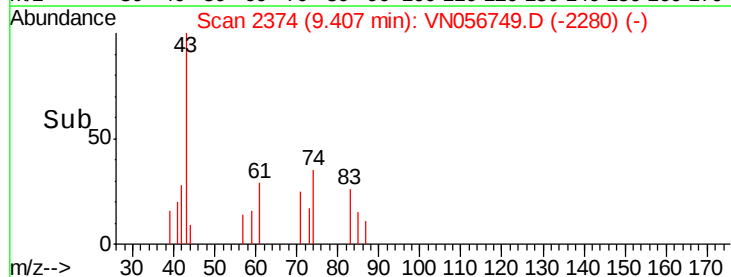
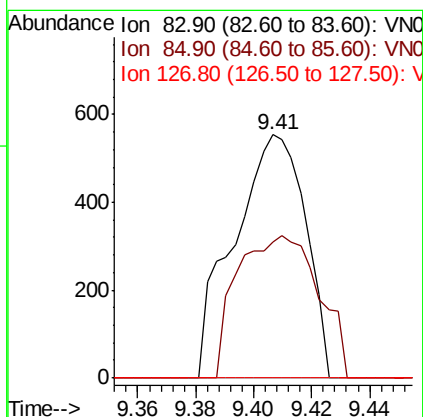
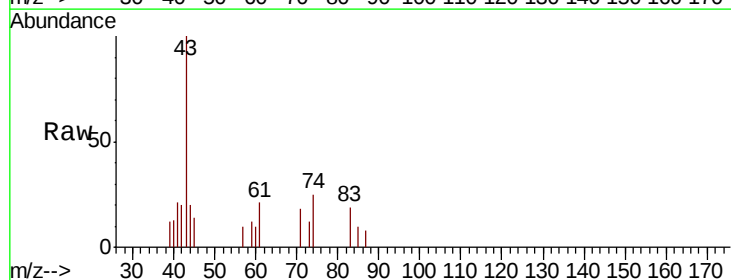
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-071119-A

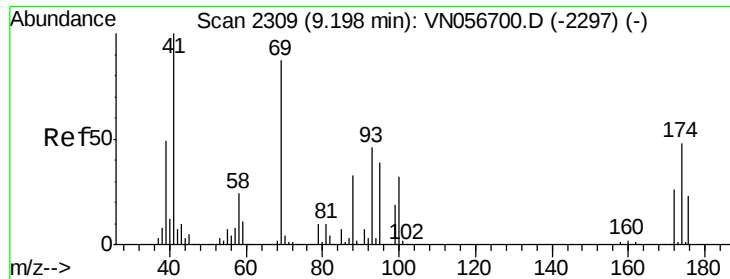
Tot Ion: 63 Resp: 1333  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 24.0 36.0#



#47  
 Bromodichloromethane  
 Concen: 0.203 ug/l  
 RT: 9.41 min Scan# 2374  
 Delta R.T. 0.00 min  
 Lab File: VN056749.D  
 Acq: 16 Jul 2019 6:23

Tgt Ion: 83 Resp: 948  
 Ion Ratio Lower Upper  
 83 100  
 85 56.0 52.3 78.5  
 127 0.0 7.6 11.4#

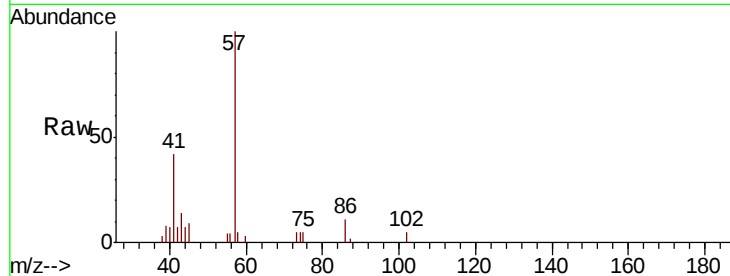




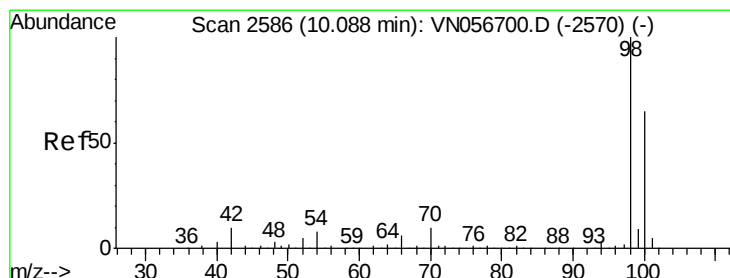
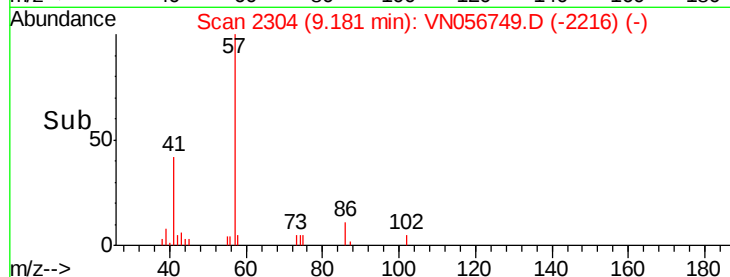
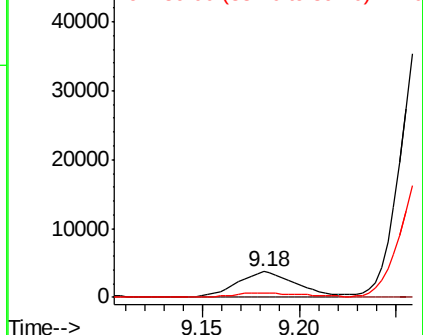
#48  
Methyl methacrylate  
Concen: 2.144 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.02 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-071119-A

Tot Ion: 41 Resp: 7828  
Ion Ratio Lower Upper  
41 100  
69 0.0 71.4 107.0#  
39 20.3 41.2 61.8#

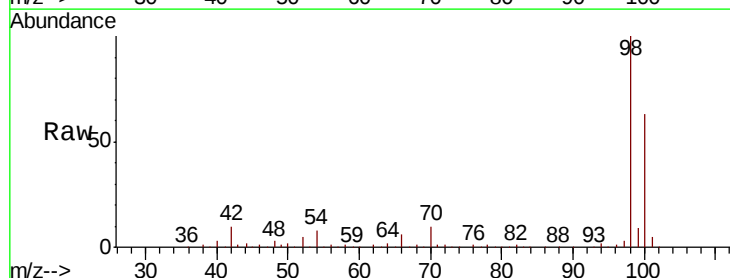


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

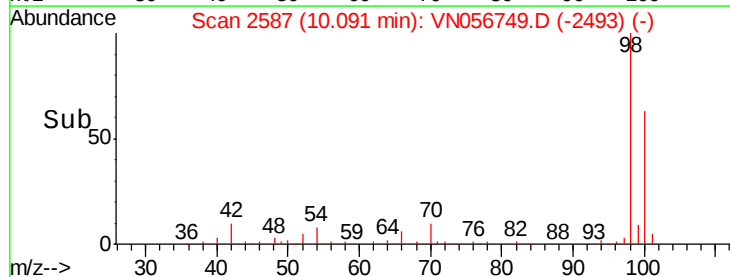
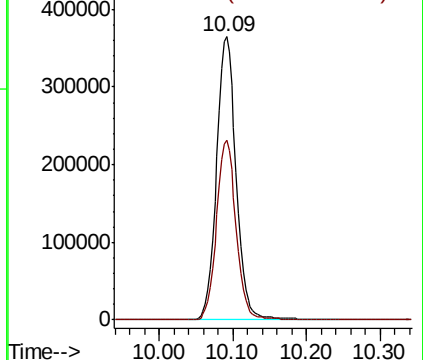


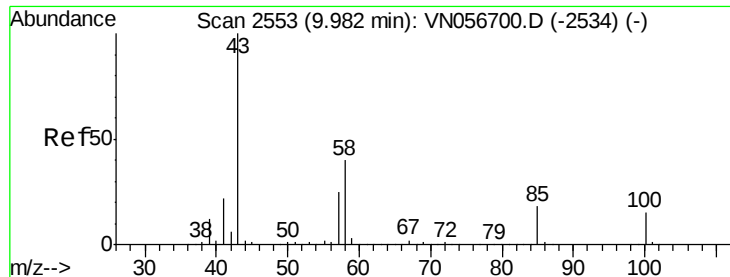
#50  
Toluene-d8  
Concen: 52.885 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN056749.D  
Acq: 16 Jul 2019 6:23

Tgt Ion: 98 Resp: 669316  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0



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: 0.777 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

Instrument :

MSVOA\_N

ClientSampleId :

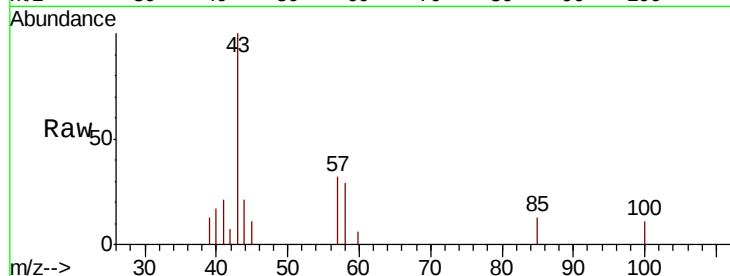
SU-04-071119-A

Tot Ion: 43 Resp: 3801

Ion Ratio Lower Upper

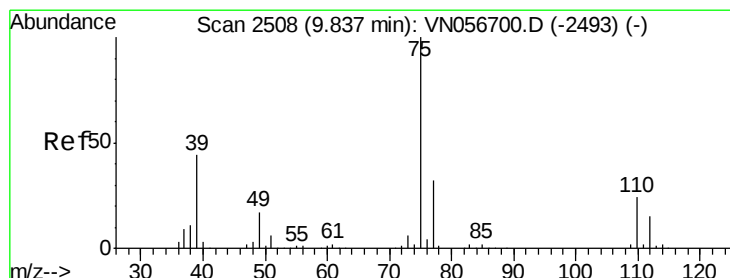
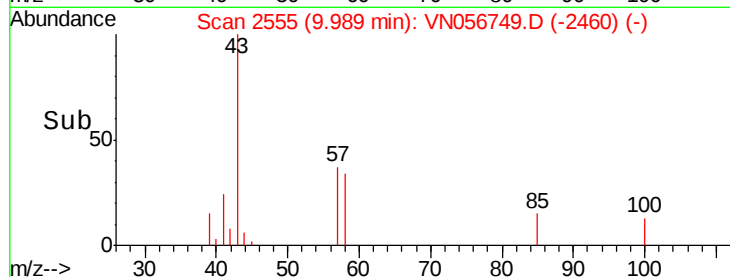
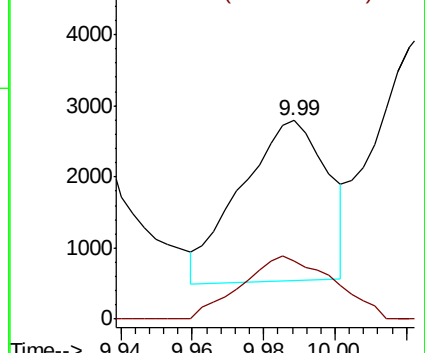
43 100

58 41.8 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 7.939 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

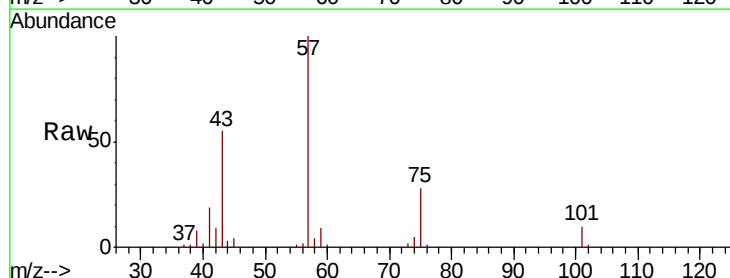
Tgt Ion: 75 Resp: 44900

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

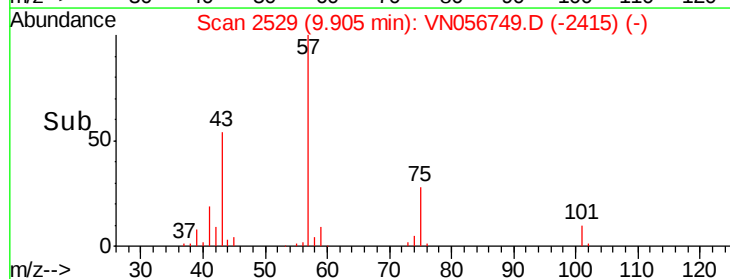
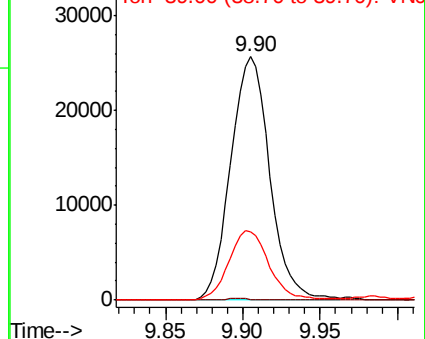
39 28.3 35.1 52.7#

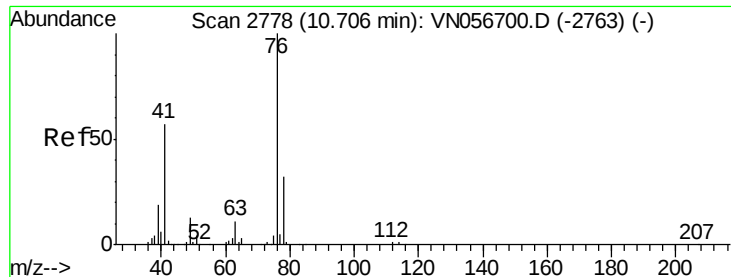


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

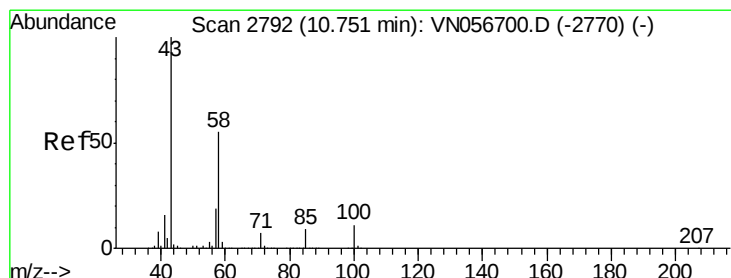
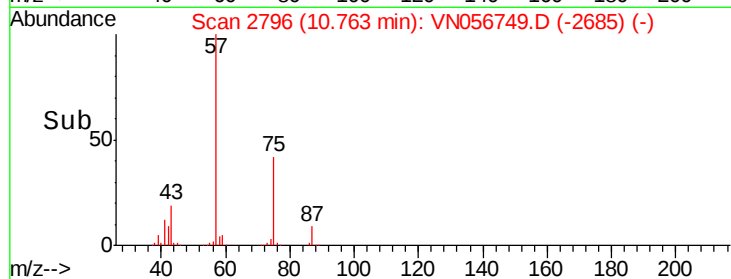
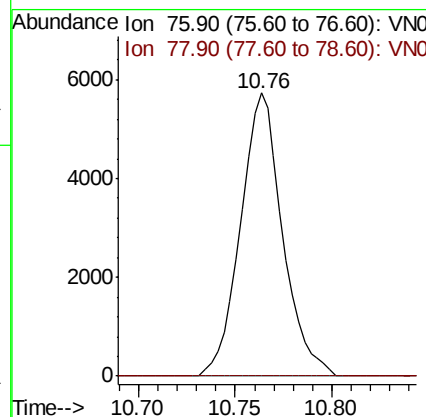
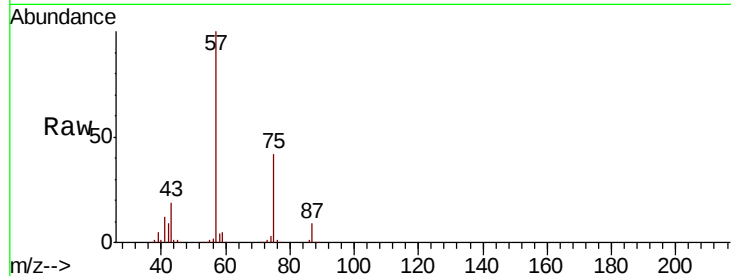




#57  
 1,3-Dichloropropane  
 Concen: 1.423 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.06 min  
 Lab File: VN056749.D  
 Acq: 16 Jul 2019 6:23

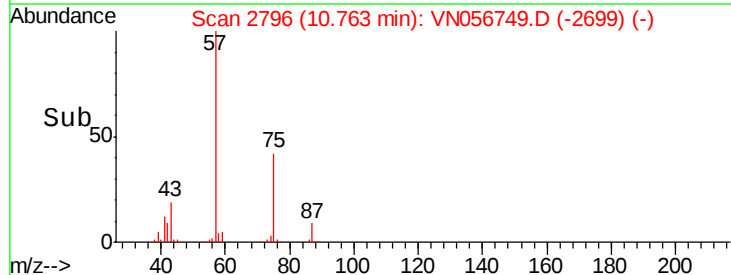
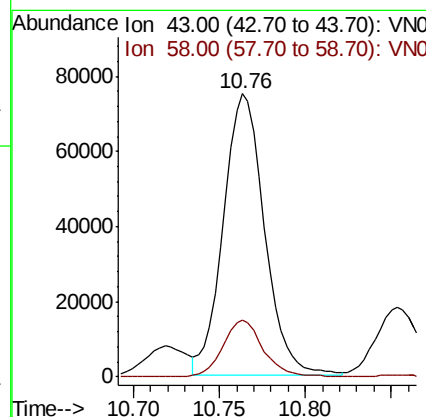
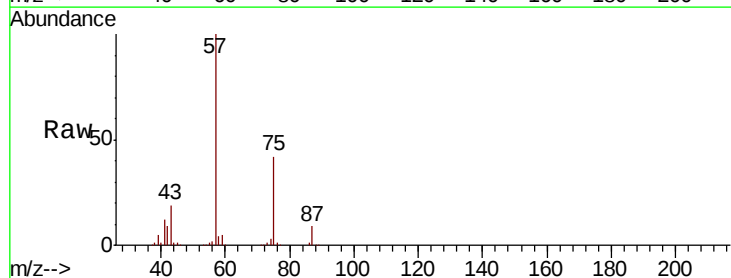
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-071119-A

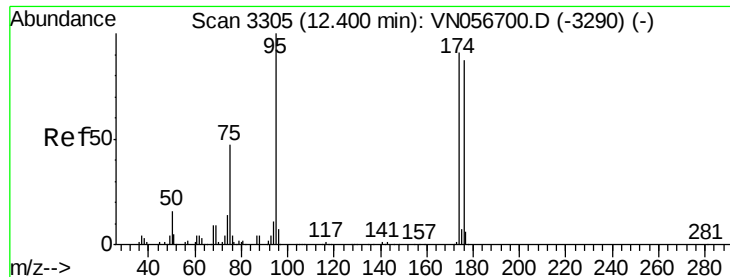
Tot Ion: 76 Resp: 8643  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.0 39.0#



#59  
 2-Hexanone  
 Concen: 35.711 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.01 min  
 Lab File: VN056749.D  
 Acq: 16 Jul 2019 6:23

Tgt Ion: 43 Resp: 125296  
 Ion Ratio Lower Upper  
 43 100  
 58 19.7 27.9 83.6#





#62

4-Bromofluorobenzene

Concen: 60.665 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

Instrument :

MSVOA\_N

ClientSampleId :

SU-04-071119-A

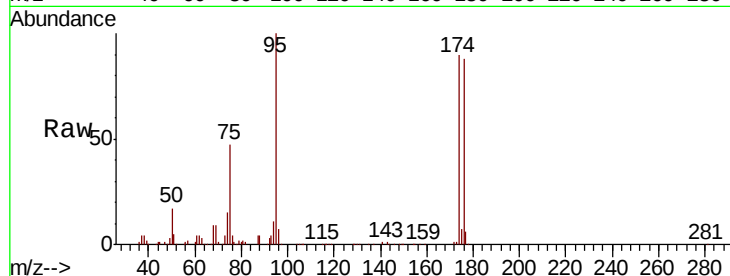
Tot Ion: 95 Resp: 258921

Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.0

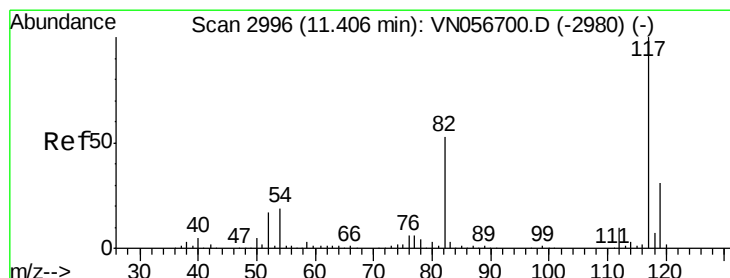
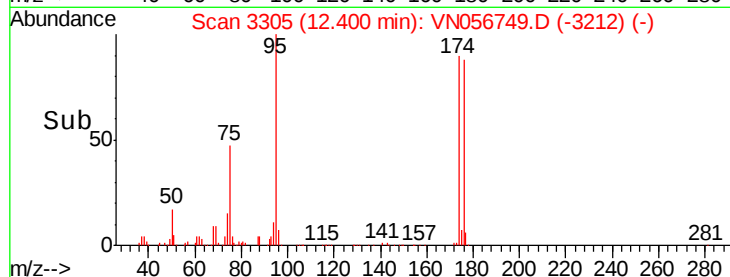
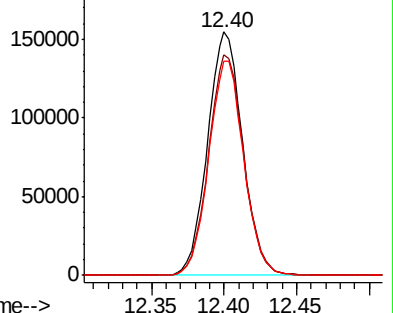
176 88.1 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056749.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN056749.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN056749.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

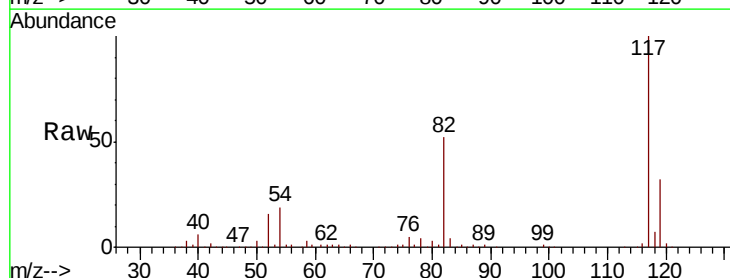
Tgt Ion: 117 Resp: 570632

Ion Ratio Lower Upper

117 100

82 52.5 42.2 63.2

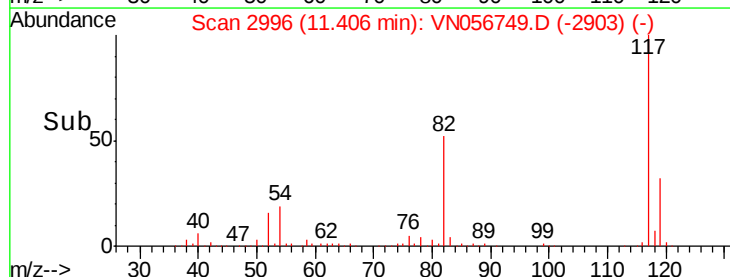
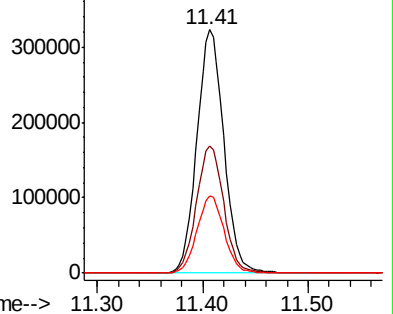
119 31.7 25.2 37.8

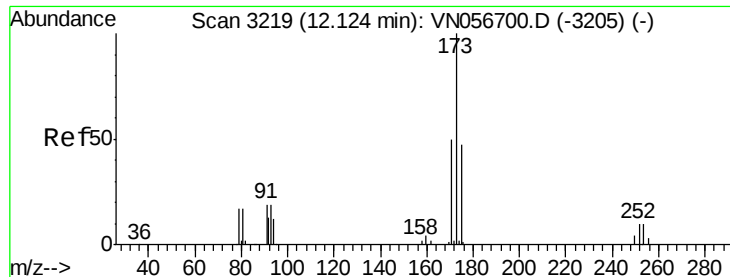


Abundance Ion 116.90 (116.60 to 117.60): VN056749.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056749.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056749.D (-2903) (-)





#71

Bromoform

Concen: 0.547 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

Instrument :

MSVOA\_N

ClientSampleId :

SU-04-071119-A

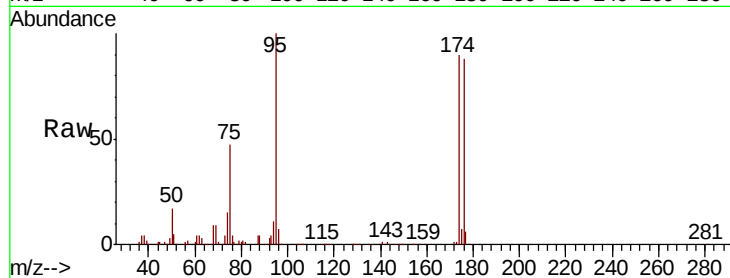
Tot Ion:173 Resp: 1789

Ion Ratio Lower Upper

173 100

175 770.6 23.8 71.4#

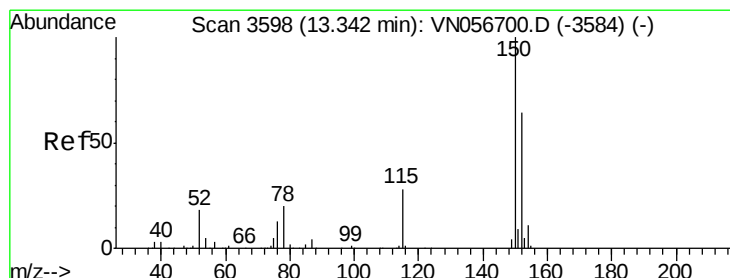
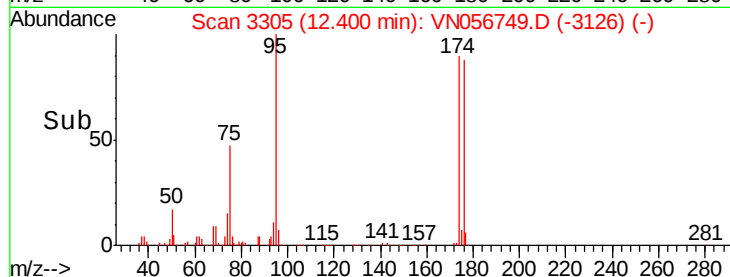
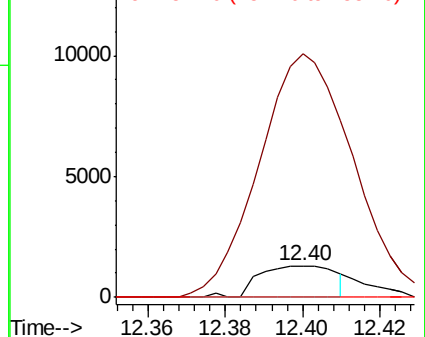
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

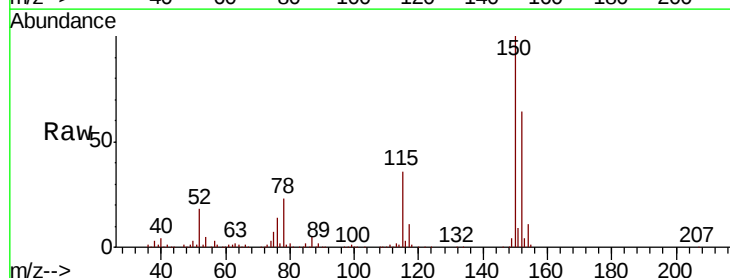
Tgt Ion:152 Resp: 246601

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.7

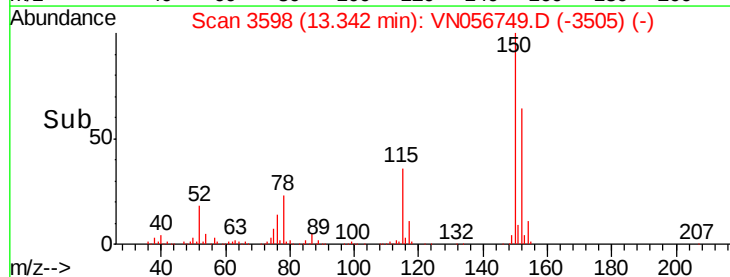
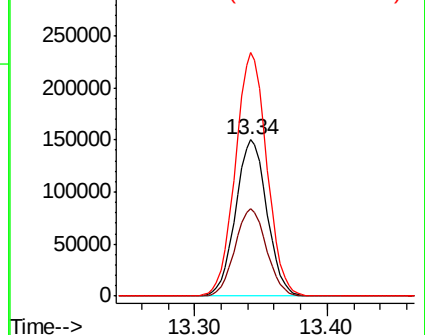
150 155.8 0.0 345.8

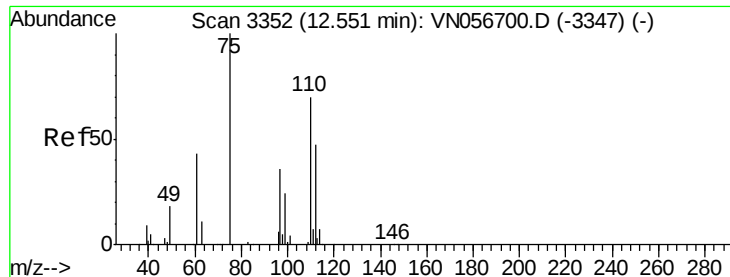


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.549 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

Instrument :

MSVOA\_N

ClientSampleId :

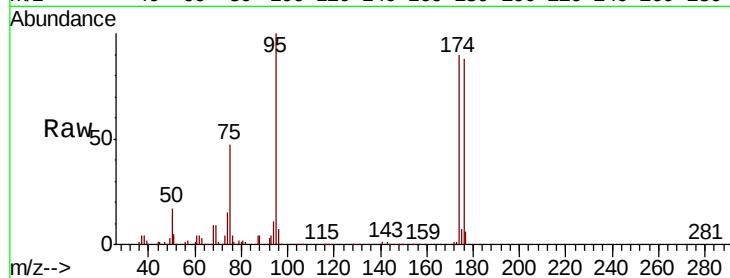
SU-04-071119-A

Tot Ion: 75 Resp: 121619

Ion Ratio Lower Upper

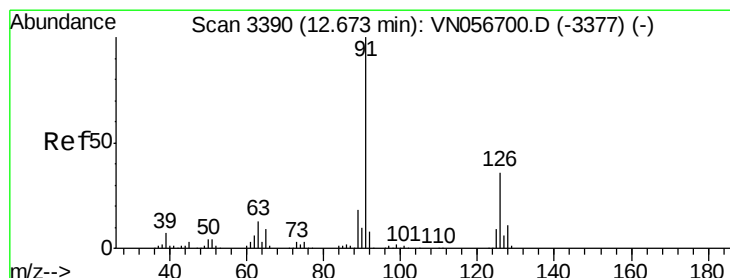
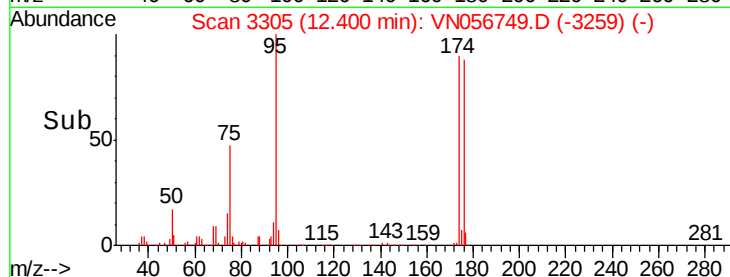
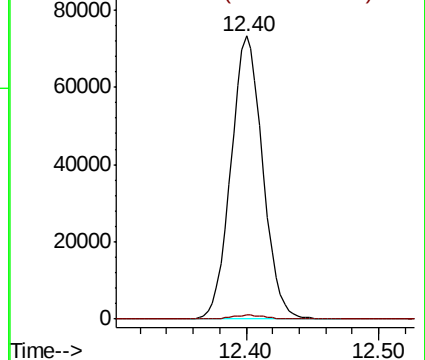
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.74 min Scan# 3411

Delta R.T. 0.07 min

Lab File: VN056749.D

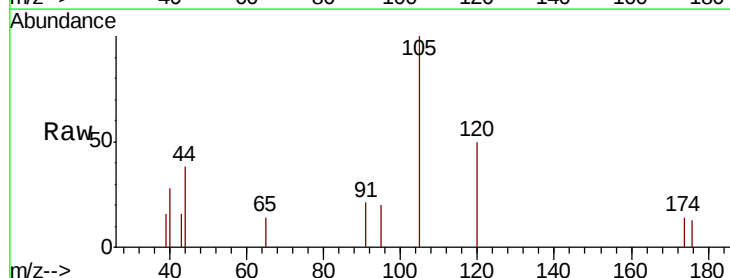
Acq: 16 Jul 2019 6:23

Tgt Ion: 91 Resp: 177

Ion Ratio Lower Upper

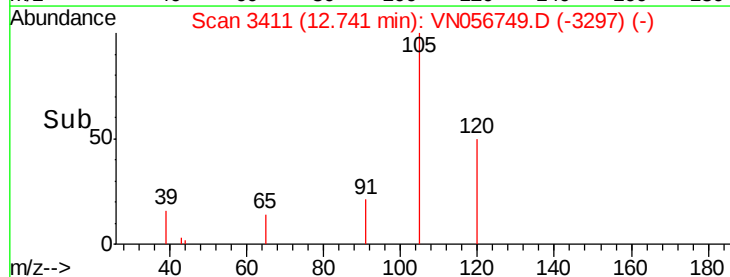
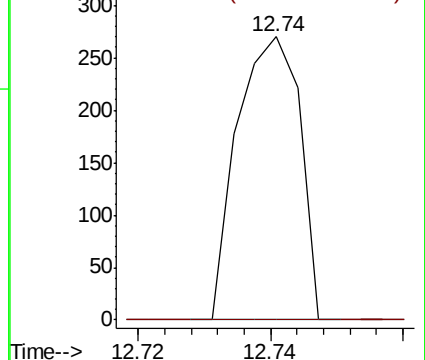
91 100

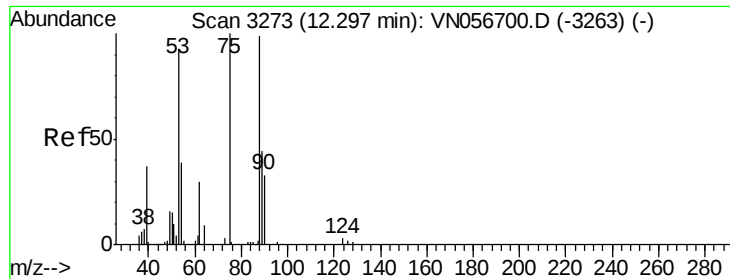
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 69.639 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

Instrument :

MSVOA\_N

ClientSampleId :

SU-04-071119-A

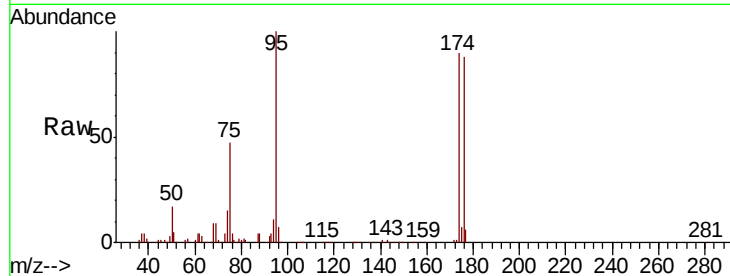
Tot Ion: 75 Resp: 121619

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

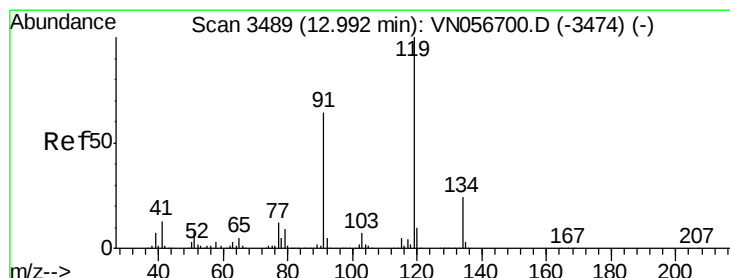
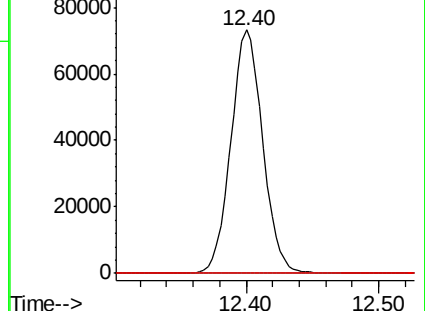
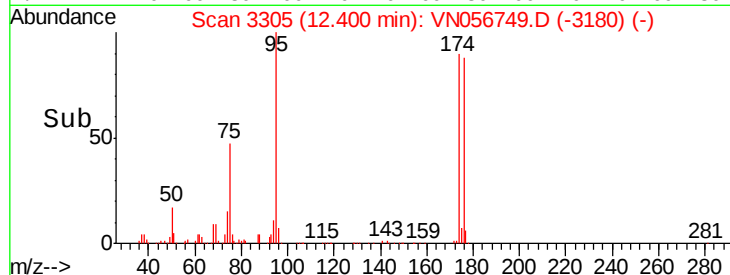
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN056749.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN056749.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN056749.D (-3180) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3503

Delta R.T. 0.05 min

Lab File: VN056749.D

Acq: 16 Jul 2019 6:23

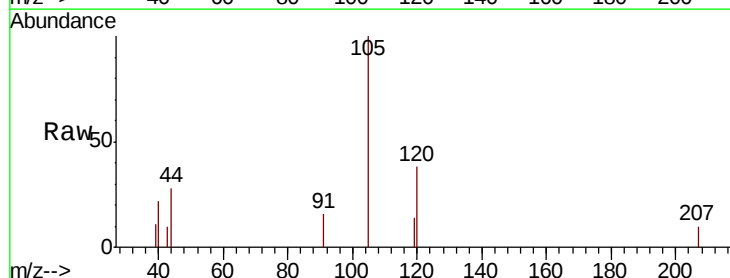
Tgt Ion: 119 Resp: 159

Ion Ratio Lower Upper

119 100

91 174.8 31.8 95.4#

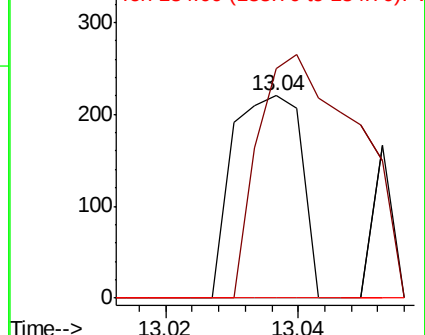
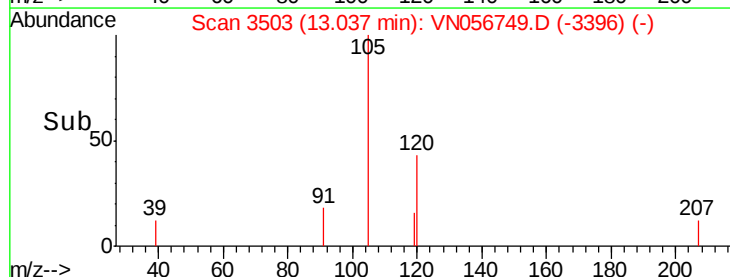
134 0.0 13.0 38.9#

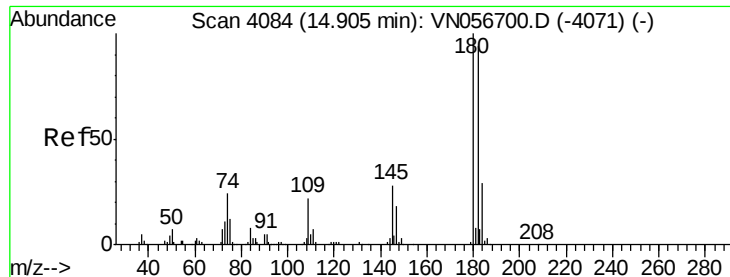


Abundance Ion 119.00 (118.70 to 119.70): VN056749.D (-3396) (-)

Ion 91.00 (90.70 to 91.70): VN056749.D (-3396) (-)

Ion 134.00 (133.70 to 134.70): VN056749.D (-3396) (-)

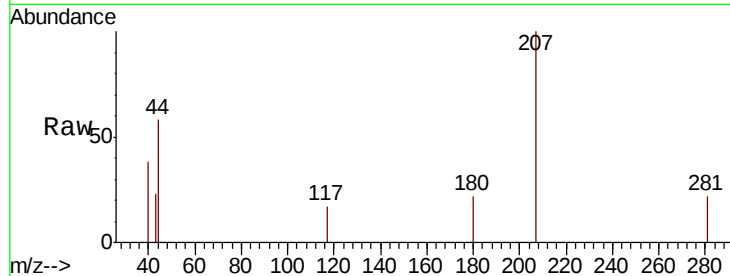




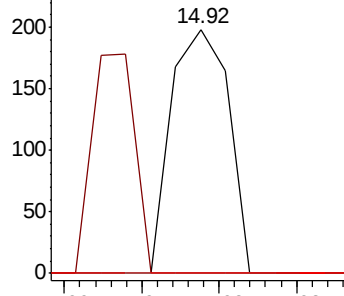
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.711 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.01 min  
 Lab File: VN056749.D  
 Acq: 16 Jul 2019 6:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-071119-A

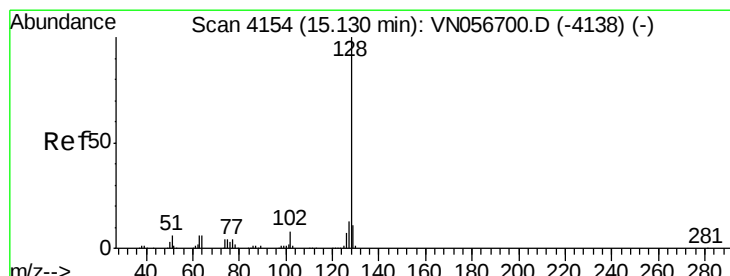
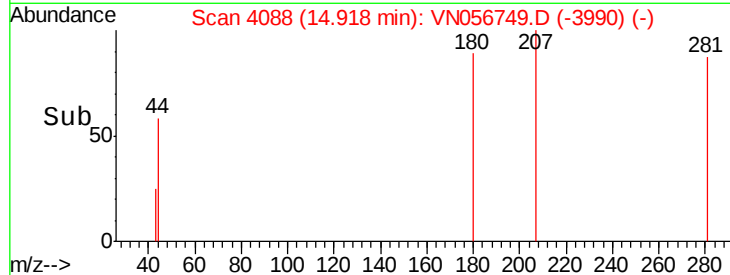
Tot Ion:180 Resp: 102  
 Ion Ratio Lower Upper  
 180 100  
 182 67.6 47.2 141.6  
 145 0.0 14.2 42.8#



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

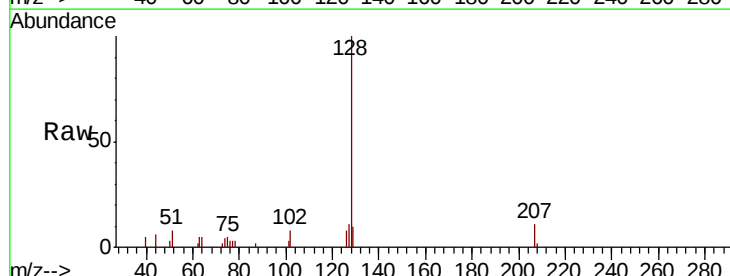


Time--> 14.90 14.91 14.92 14.93

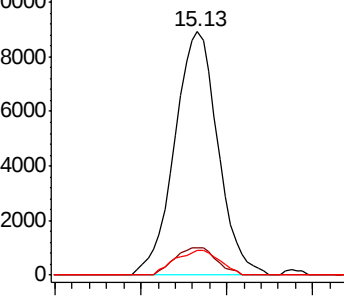


#95  
 Naphthalene  
 Concen: 5.600 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. 0.00 min  
 Lab File: VN056749.D  
 Acq: 16 Jul 2019 6:23

Tgt Ion:128 Resp: 15615  
 Ion Ratio Lower Upper  
 128 100  
 127 11.0 10.3 15.5  
 129 10.4 8.7 13.1



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



Time--> 15.05 15.10 15.15 15.20

