

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011719\  
 Data File : VN053439.D  
 Acq On : 17 Jan 2019 17:19  
 Operator : JC/SP  
 Sample : PB116439ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 28

Quant Time: Jan 18 00:11:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 03:10:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1001538  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1551246  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1419547  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 537516   | 50.00 | ug/l  | 0.00     |

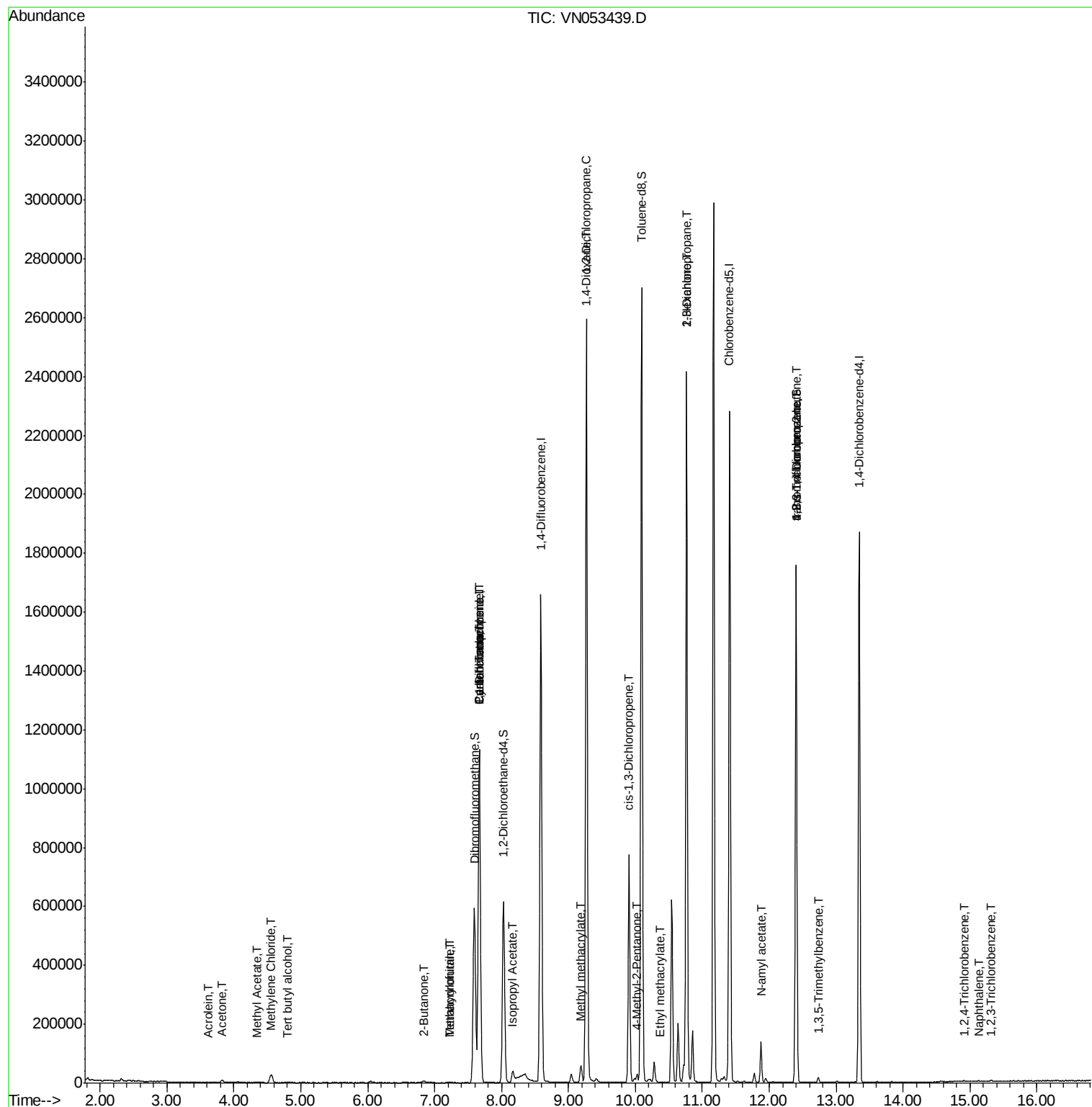
| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 510148   | 51.53 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 103.06% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 454632   | 51.35 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.70% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1928253  | 51.50 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 103.00% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 617656   | 47.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 94.08%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.79  | 59   | 303      | 0.626  | ug/l # | 72     |
| 13) Acrolein                   | 3.60  | 56   | 32       | 22.768 | ug/l # | 14     |
| 16) Acetone                    | 3.82  | 43   | 13811    | 5.947  | ug/l   | 96     |
| 18) Methyl Acetate             | 4.33  | 43   | 1774     | 0.227  | ug/l # | 89     |
| 20) Methylene Chloride         | 4.56  | 84   | 21216    | 2.001  | ug/l   | 98     |
| 25) 2-Butanone                 | 6.85  | 43   | 7881     | 2.202  | ug/l   | 91     |
| 29) Tetrahydrofuran            | 7.21  | 42   | 602      | 0.258  | ug/l   | 95     |
| 31) Cyclohexane                | 7.66  | 56   | 15533    | 0.672  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 65240    | 4.618  | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 87029    | 6.507  | ug/l # | 16     |
| 41) Methacrylonitrile          | 7.21  | 41   | 556      | 0.781  | ug/l # | 25     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 57927    | 3.964  | ug/l # | 82     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 3391     | 0.298  | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.18  | 41   | 19722    | 2.614  | ug/l # | 20     |
| 49) 1,4-Dioxane                | 9.26  | 88   | 30       | 0.407  | ug/l # | 23     |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43   | 23142    | 2.901  | ug/l # | 34     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 146047   | 8.946  | ug/l # | 62     |
| 56) Ethyl methacrylate         | 10.36 | 69   | 182      | 2.071  | ug/l # | 28     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 25564    | 1.608  | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.76 | 43   | 342742   | 61.197 | ug/l # | 50     |
| 74) N-amyl acetate             | 11.88 | 43   | 40230    | 3.834  | ug/l # | 52     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 285449   | 40.298 | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 8262     | 0.258  | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 285449   | 99.351 | ug/l # | 15     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 1121     | 2.909  | ug/l   | 95     |
| 95) Naphthalene                | 15.14 | 128  | 2500     | 4.116  | ug/l # | 93     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 1510     | 4.161  | ug/l   | 90     |

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

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Quant Title : SW846 8260  
QLast Update : Wed Jan 16 03:10:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN053439.D

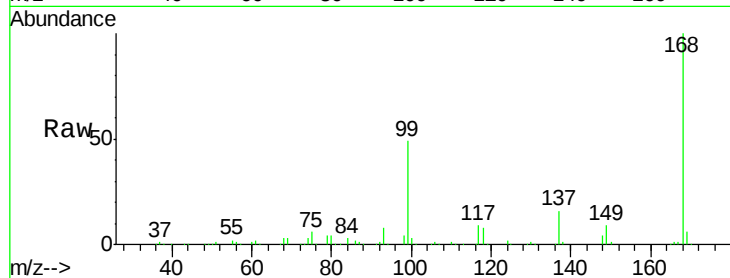
Acq: 17 Jan 2019 17:19

Tot Ion:168 Resp: 1001538

Ion Ratio Lower Upper

168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.67

400000

300000

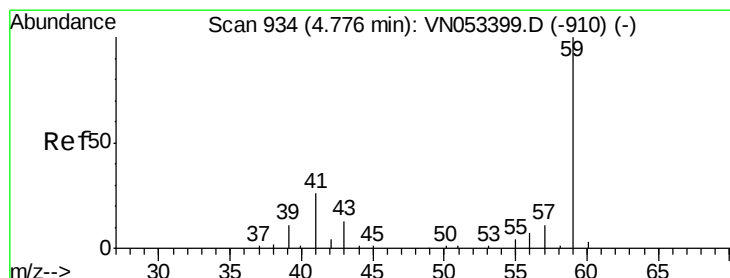
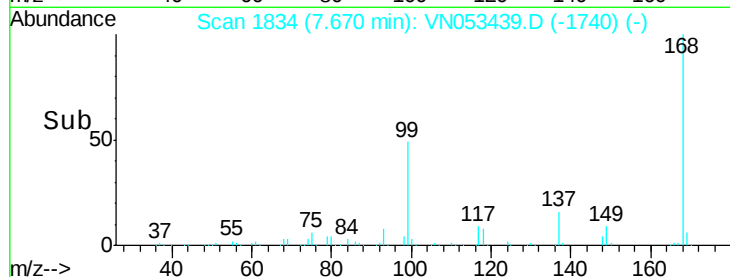
200000

100000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.626 ug/l

RT: 4.79 min Scan# 938

Delta R.T. 0.01 min

Lab File: VN053439.D

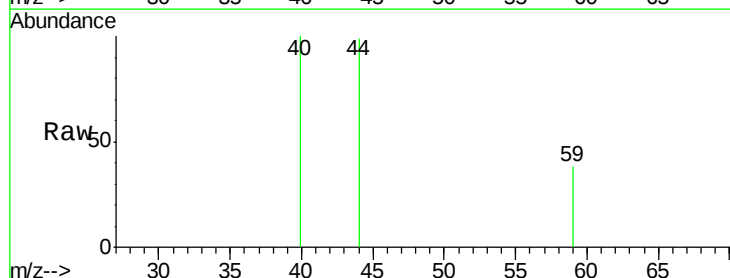
Acq: 17 Jan 2019 17:19

Tgt Ion: 59 Resp: 303

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN053399.D (-910) (-)

Ion 57.00 (56.70 to 57.70): VN053399.D (-910) (-)

4.79

300

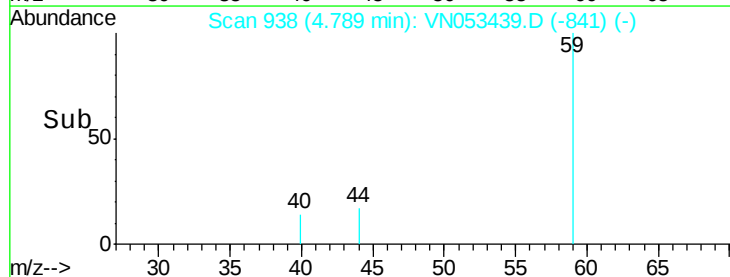
200

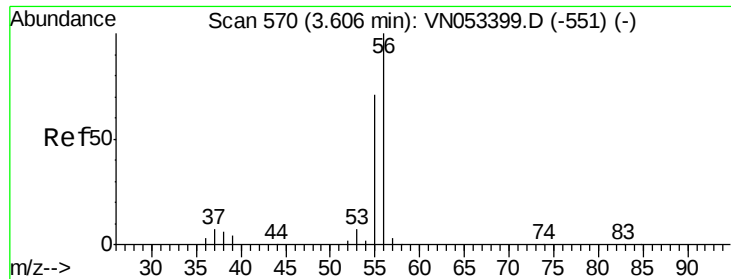
100

0

4.78 4.80

Time-->





#13

Acrolein

Concen: 22.768 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053439.D

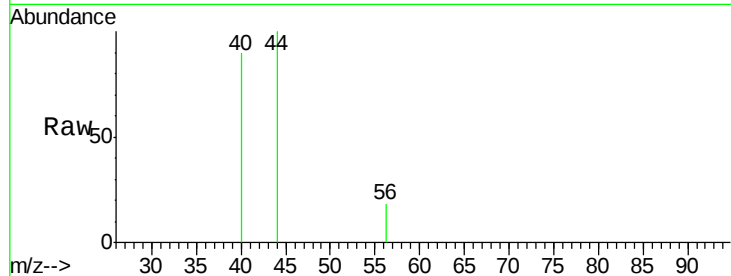
Acq: 17 Jan 2019 17:19

Tot Ion: 56 Resp: 32

Ion Ratio Lower Upper

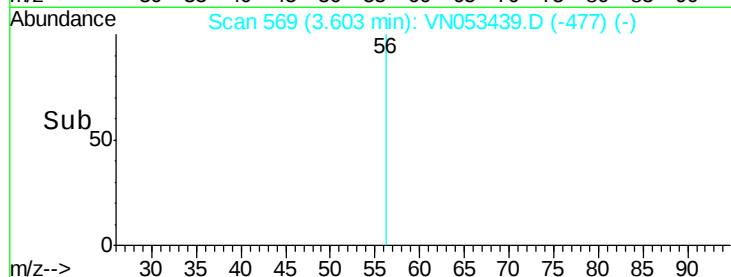
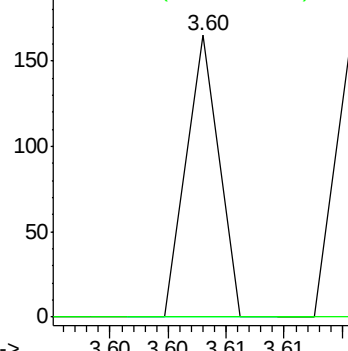
56 100

55 0.0 57.4 86.0#

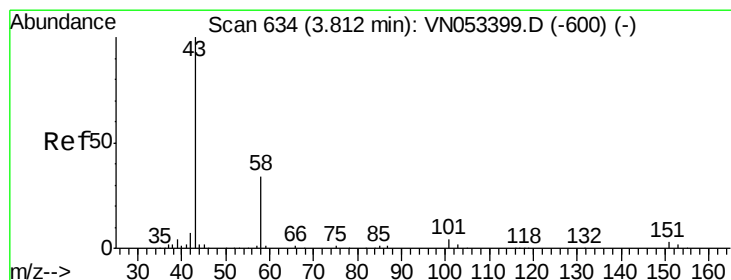


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 5.947 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053439.D

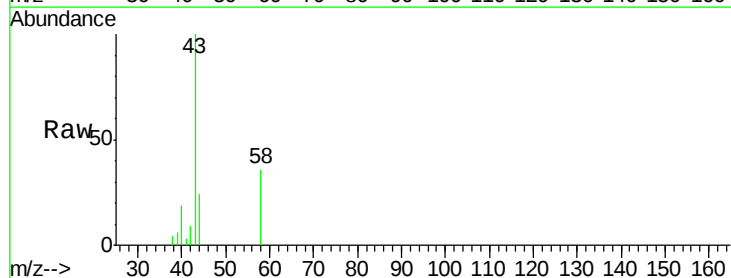
Acq: 17 Jan 2019 17:19

Tgt Ion: 43 Resp: 13811

Ion Ratio Lower Upper

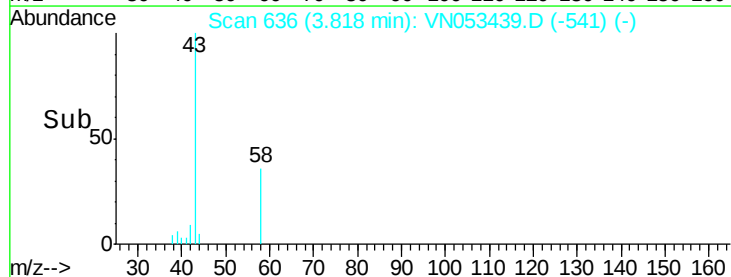
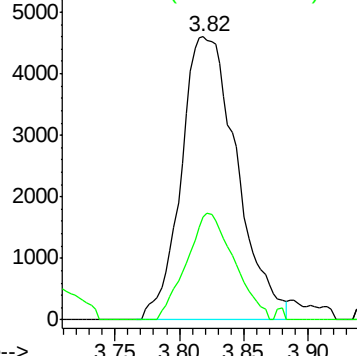
43 100

58 36.1 27.1 40.7

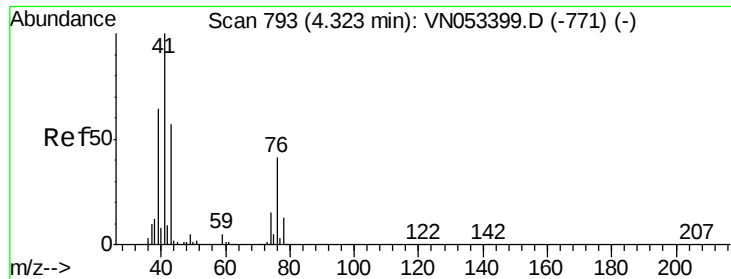


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

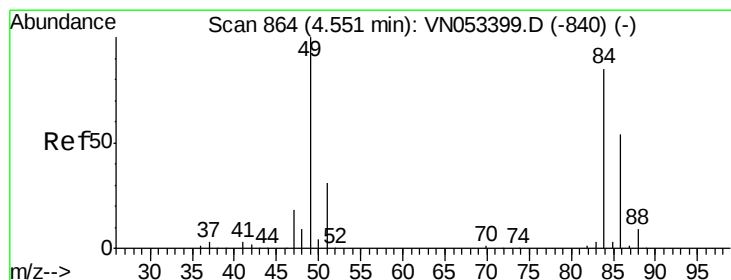
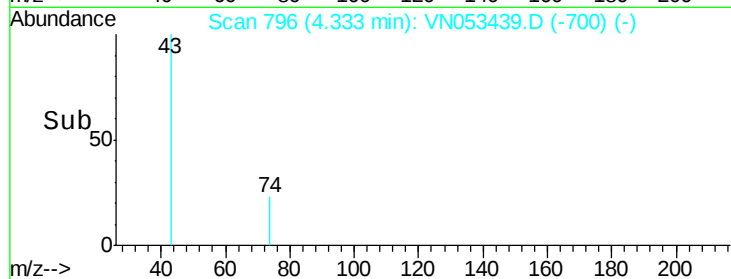
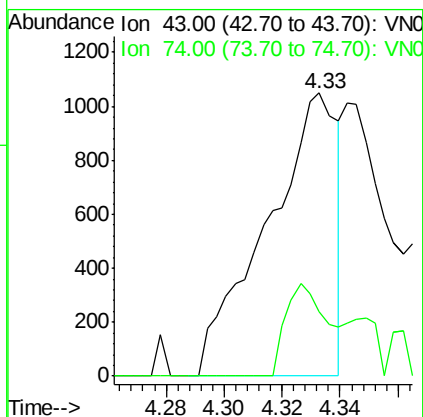
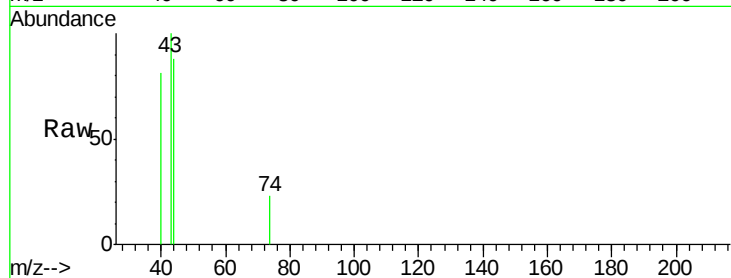


Time-->



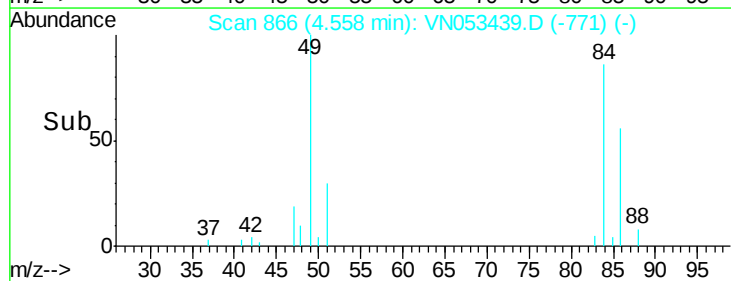
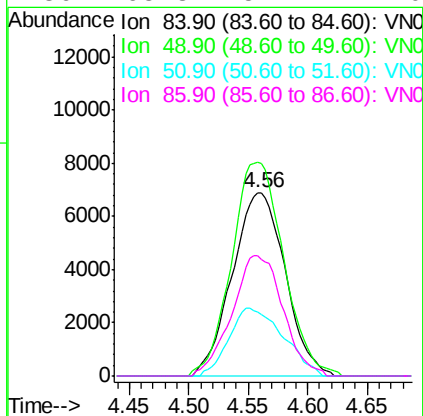
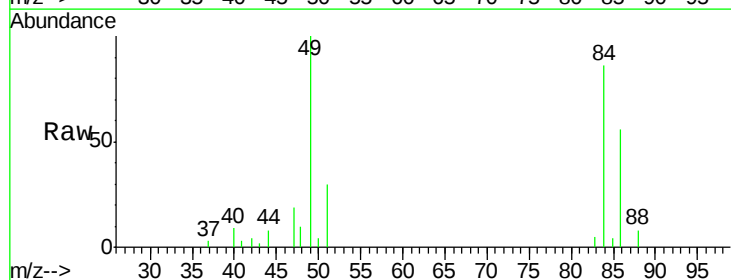
#18  
Methyl Acetate  
Concen: 0.227 ug/l  
RT: 4.33 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

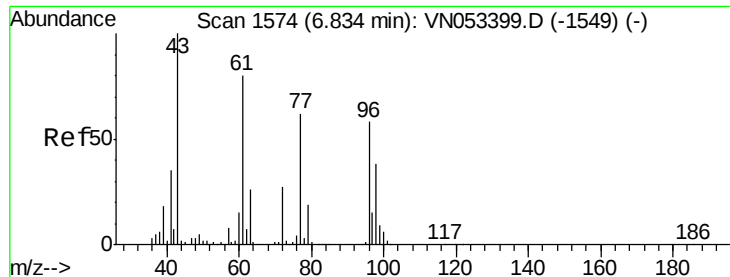
Tot Ion: 43 Resp: 1774  
Ion Ratio Lower Upper  
43 100  
74 18.8 19.4 29.2#



#20  
Methylene Chloride  
Concen: 2.001 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.01 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

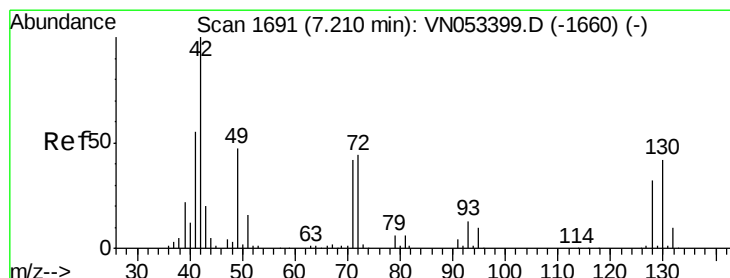
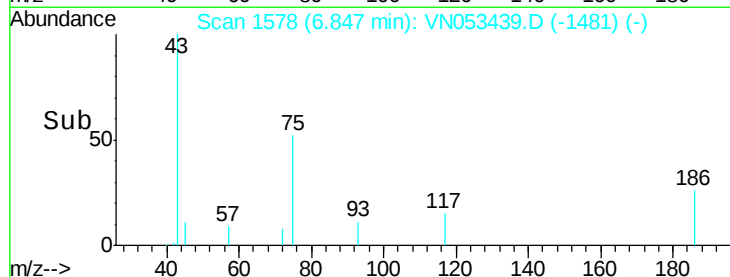
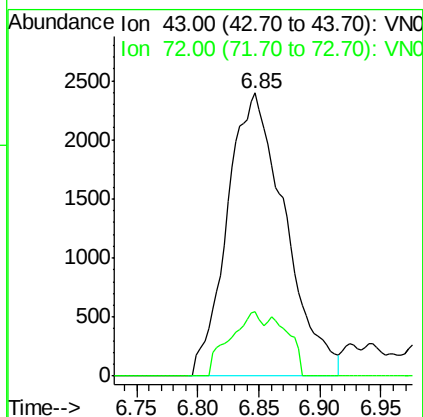
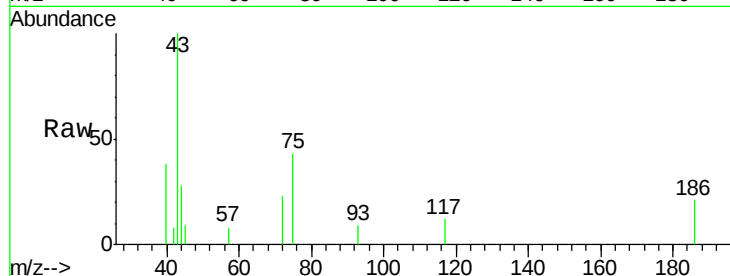
Tgt Ion: 84 Resp: 21216  
Ion Ratio Lower Upper  
84 100  
49 116.5 94.3 141.5  
51 35.2 29.4 44.2  
86 65.3 51.4 77.0





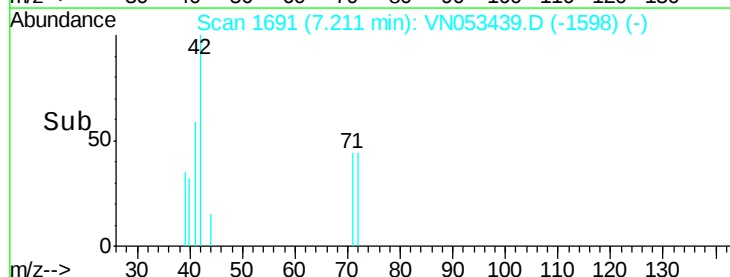
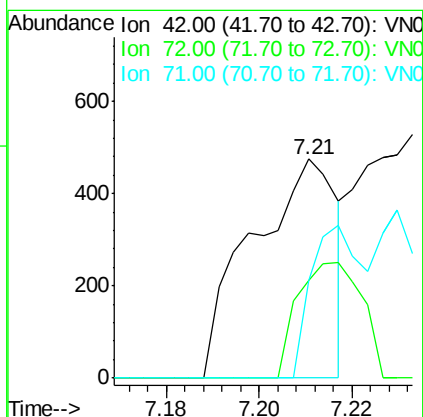
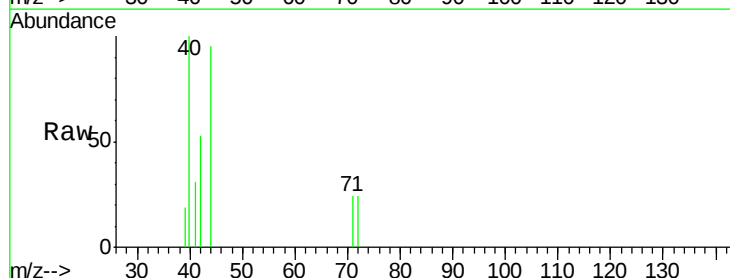
#25  
2-Butanone  
Concen: 2.202 ug/l  
RT: 6.85 min Scan# 1578  
Delta R.T. 0.01 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

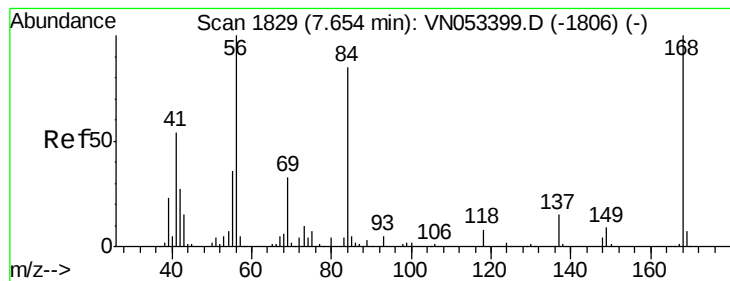
Tot Ion: 43 Resp: 7881  
Ion Ratio Lower Upper  
43 100  
72 22.7 22.0 33.0



#29  
Tetrahydrofuran  
Concen: 0.258 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

Tgt Ion: 42 Resp: 602  
Ion Ratio Lower Upper  
42 100  
72 39.9 35.2 52.8  
71 43.0 33.0 49.4





#31

Cyclohexane

Concen: 0.672 ug/l

RT: 7.66 min Scan# 1832

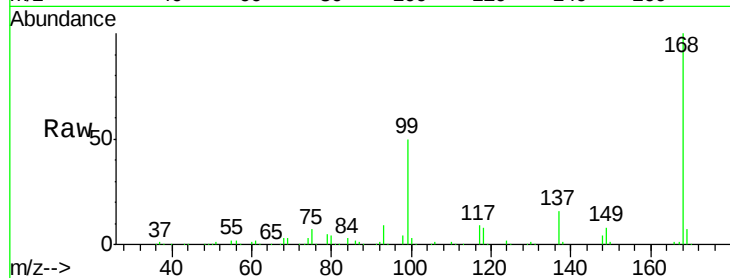
Delta R.T. 0.01 min

Lab File: VN053439.D

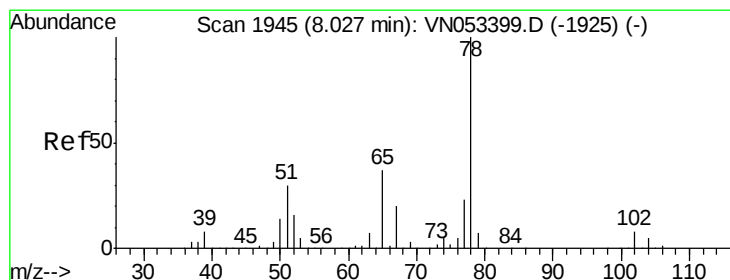
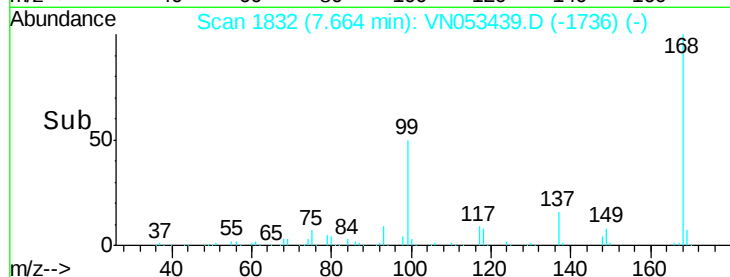
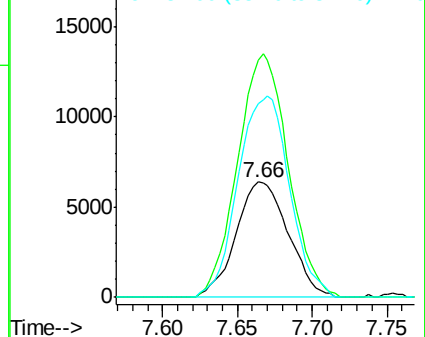
Acq: 17 Jan 2019 17:19

Tot Ion: 56 Resp: 15533

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 205.1 | 26.4  | 39.6#  |
| 84  | 167.2 | 67.9  | 101.9# |



Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-1806) (-)



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

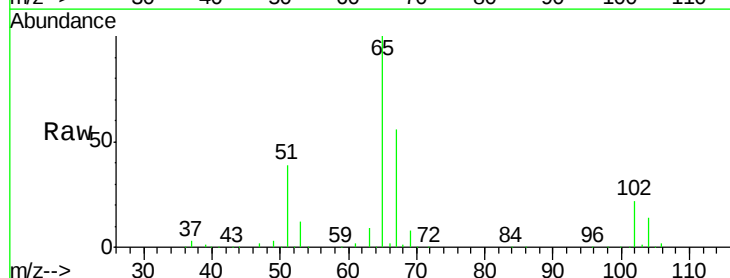
Delta R.T. 0.00 min

Lab File: VN053439.D

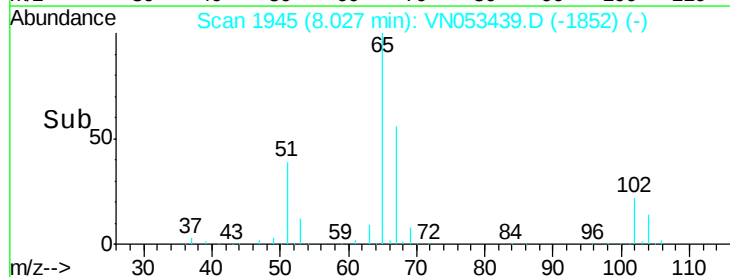
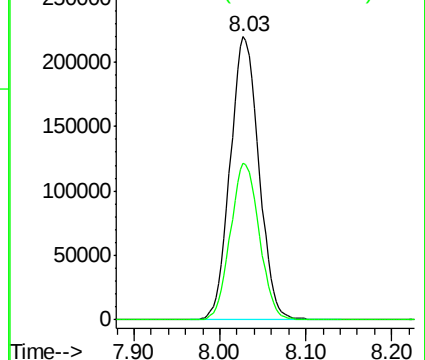
Acq: 17 Jan 2019 17:19

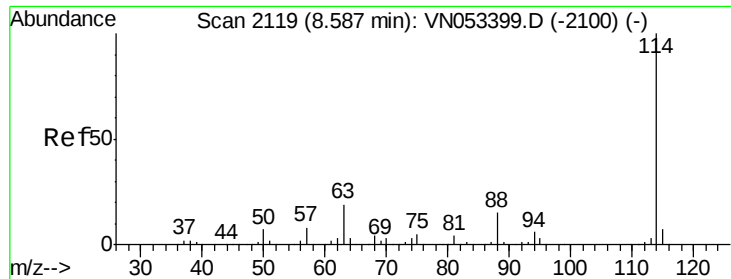
Tgt Ion: 65 Resp: 510148

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 55.5  | 0.0   | 111.2 |



Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

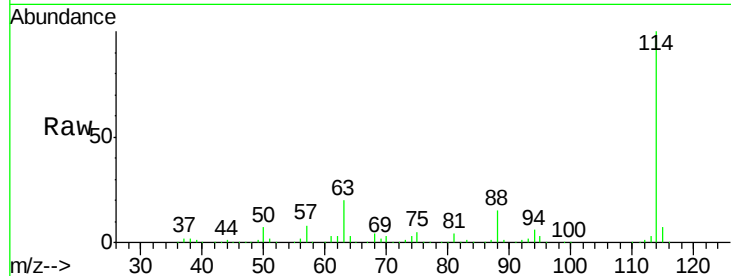




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053439.D  
 Acq: 17 Jan 2019 17:19

Tot Ion:114 Resp: 1551246

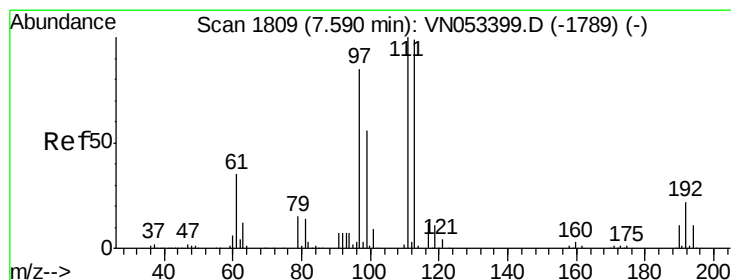
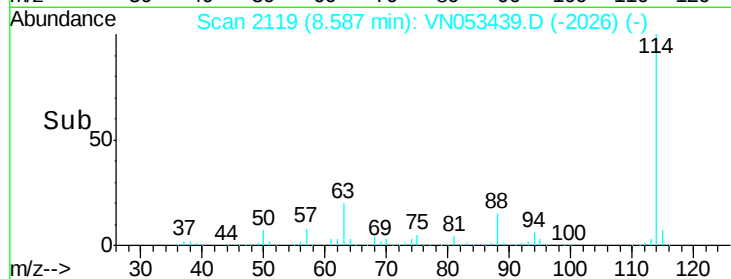
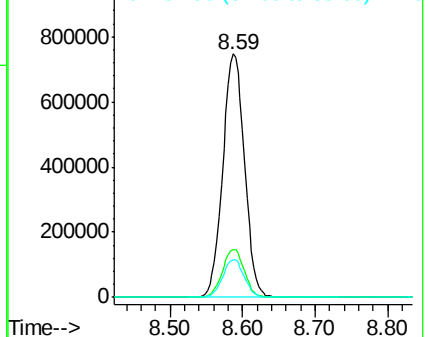
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.8  | 0.0   | 38.6  |
| 88  | 15.4  | 0.0   | 30.4  |



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

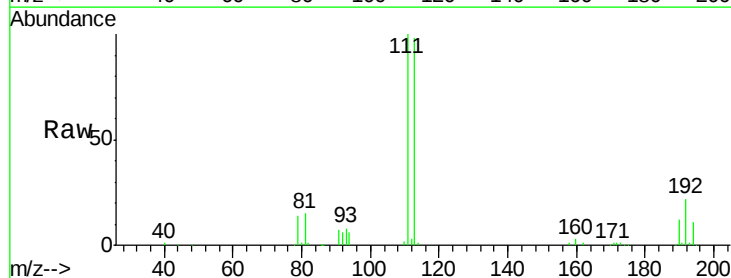
Ion 87.90 (87.60 to 88.60): VN



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053439.D  
 Acq: 17 Jan 2019 17:19

Tgt Ion:113 Resp: 454632

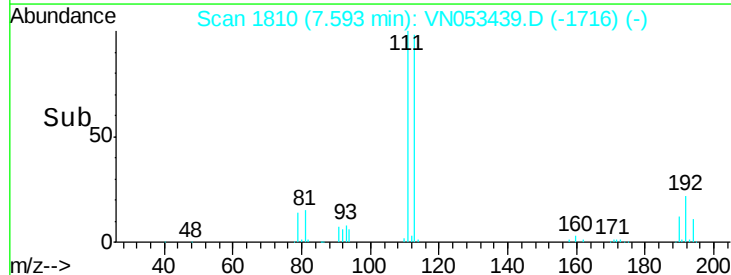
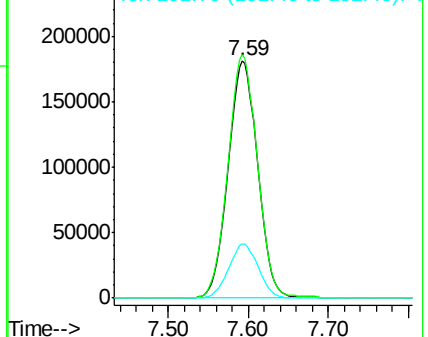
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.5 | 81.1  | 121.7 |
| 192 | 22.8  | 18.2  | 27.2  |

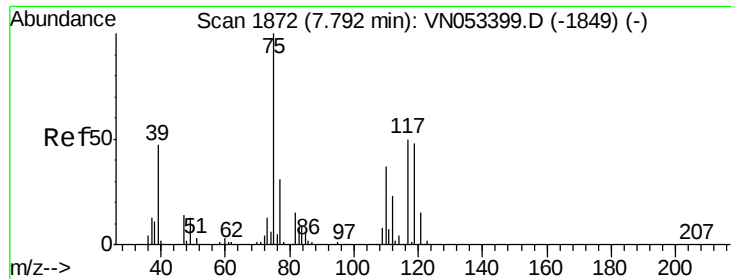


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053439.D

Acq: 17 Jan 2019 17:19

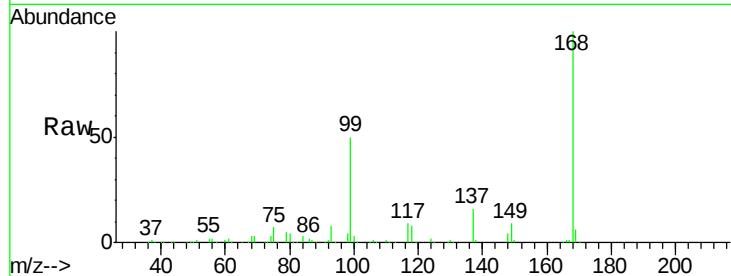
Tot Ion: 75 Resp: 65240

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.3#

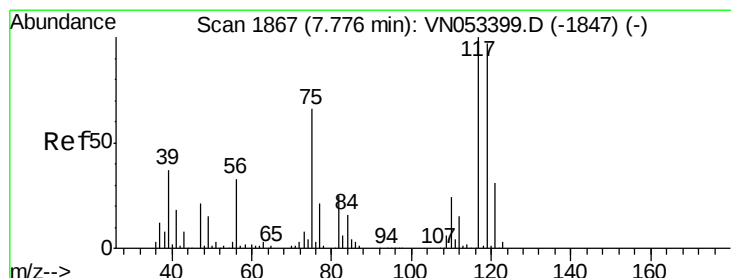
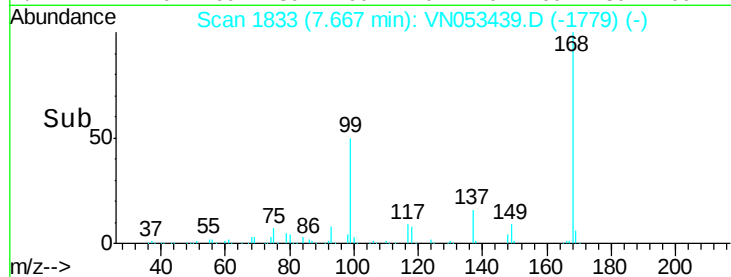
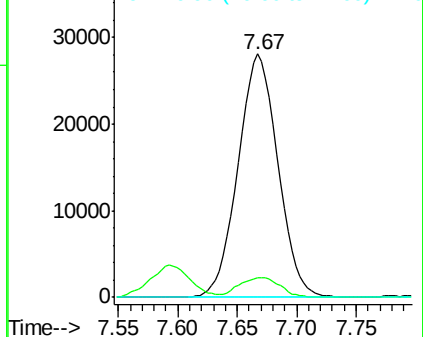
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN053439.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053439.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053439.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.507 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN053439.D

Acq: 17 Jan 2019 17:19

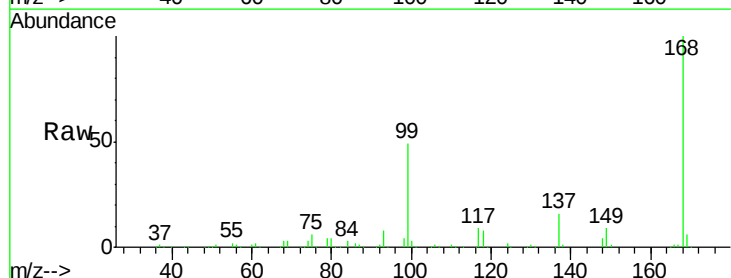
Tgt Ion: 117 Resp: 87029

Ion Ratio Lower Upper

117 100

119 4.9 77.2 115.8#

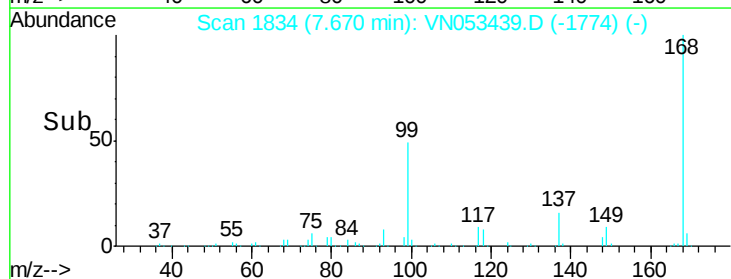
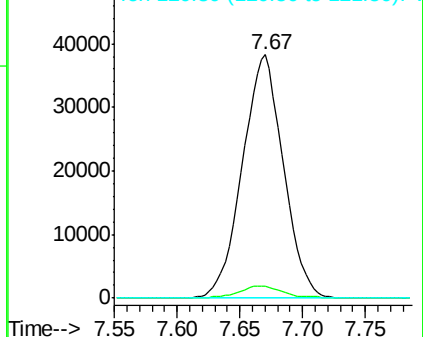
121 0.0 24.6 37.0#

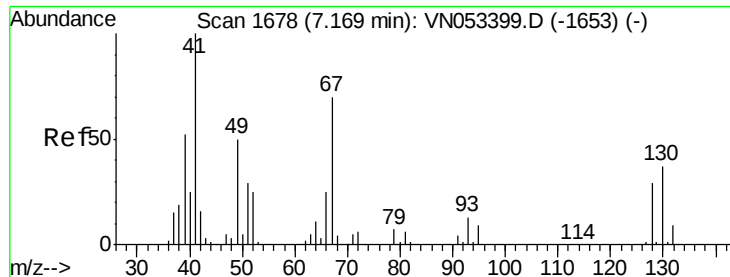


Abundance Ion 116.80 (116.50 to 117.50): VN053439.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN053439.D (-1774) (-)

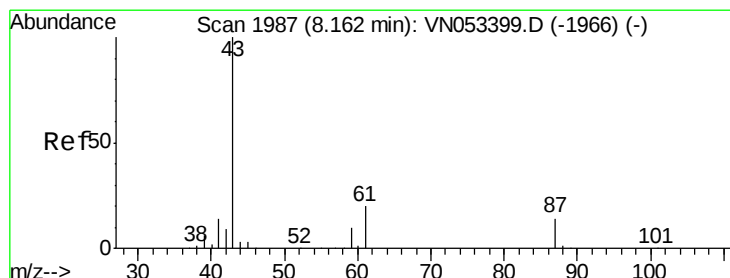
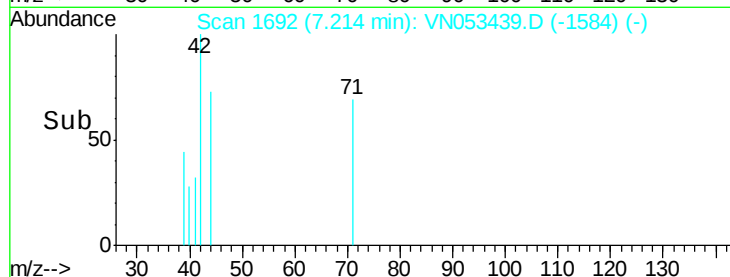
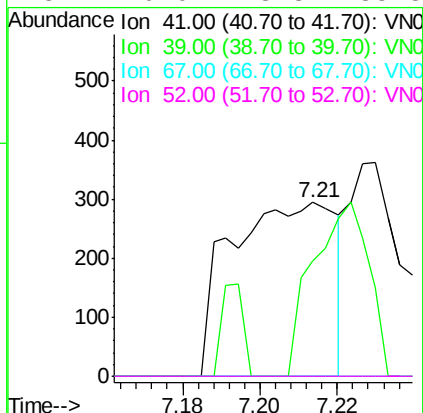
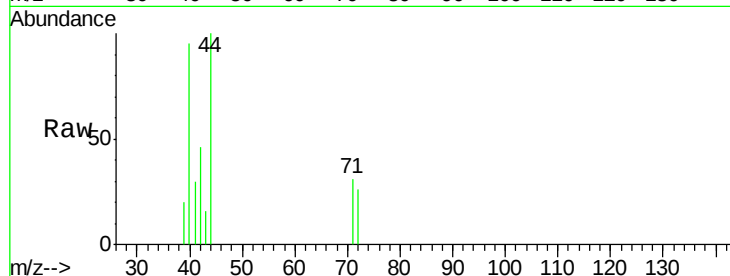
Ion 120.80 (120.50 to 121.50): VN053439.D (-1774) (-)





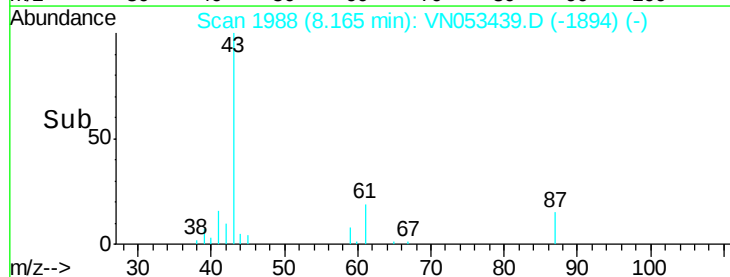
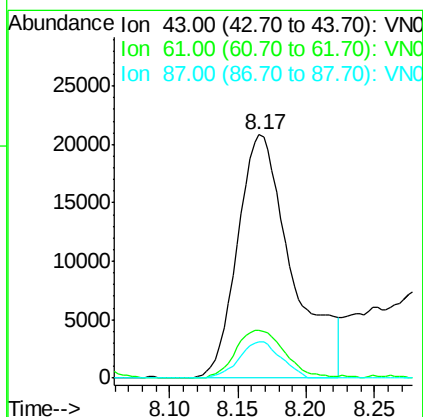
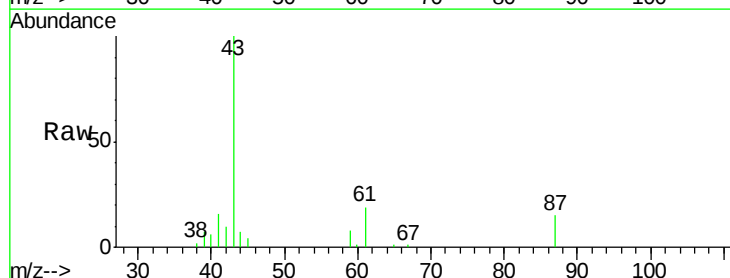
#41  
Methacrylonitrile  
Concen: 0.781 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.05 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

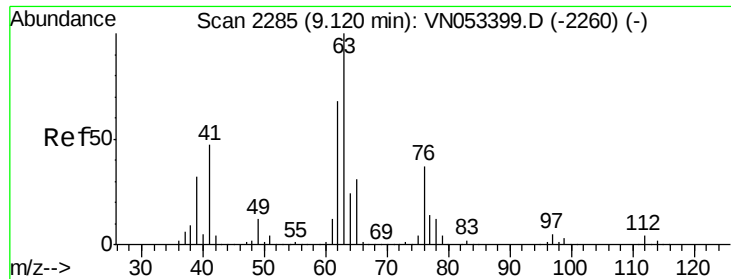
Tot Ion: 41 Resp: 556  
Ion Ratio Lower Upper  
41 100  
39 10.8 46.8 70.2#  
67 0.0 63.0 94.6#  
52 0.0 23.8 35.8#



#43  
Isopropyl Acetate  
Concen: 3.964 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

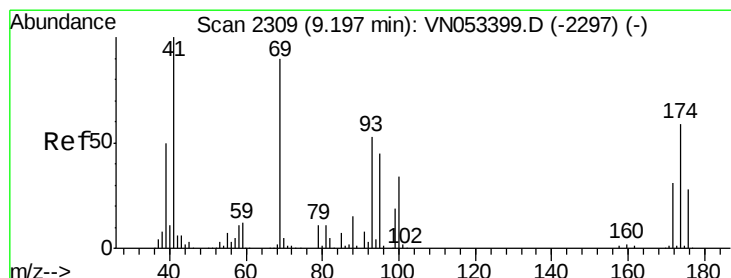
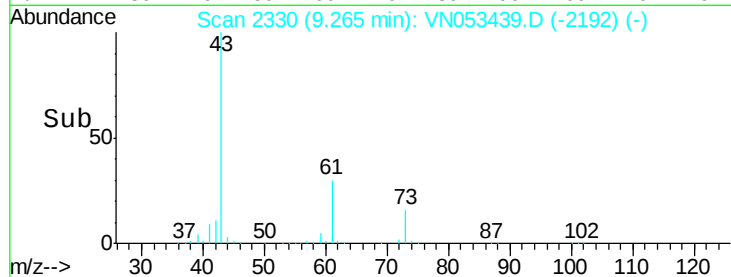
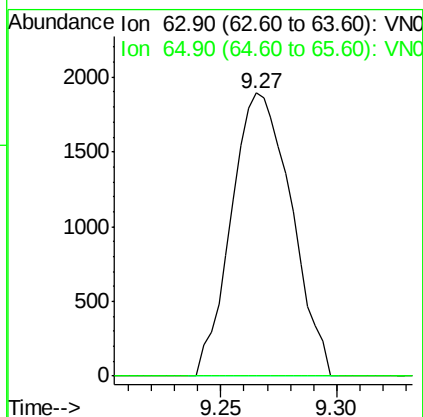
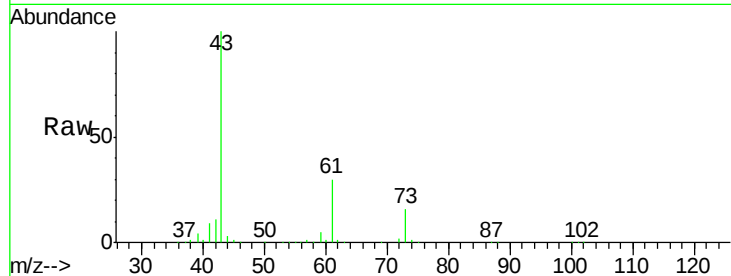
Tgt Ion: 43 Resp: 57927  
Ion Ratio Lower Upper  
43 100  
61 17.5 23.9 35.9#  
87 11.4 11.0 16.6





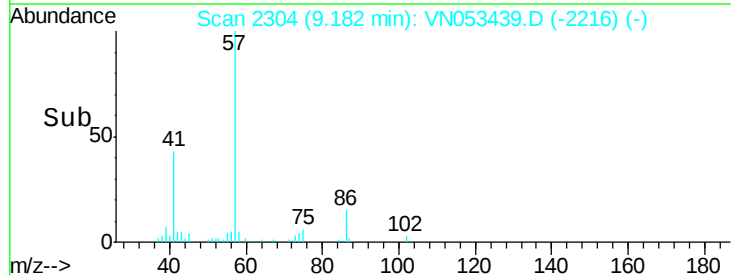
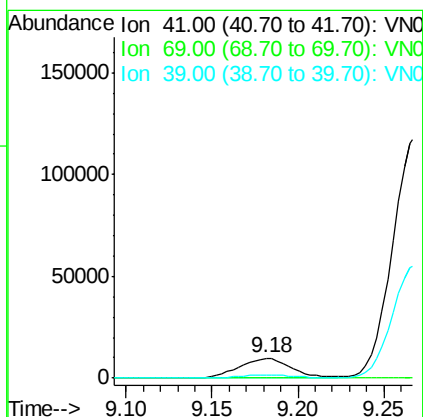
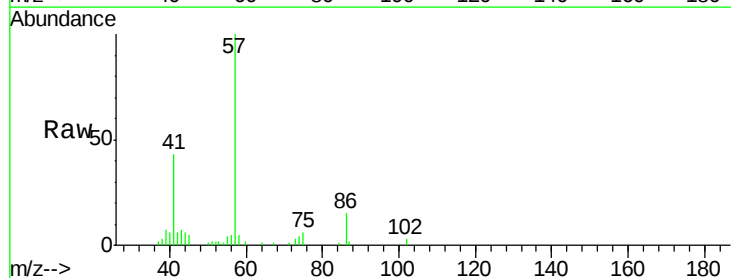
#45  
 1,2-Dichloropropane  
 Concen: 0.298 ug/l  
 RT: 9.27 min Scan# 2330  
 Delta R.T. 0.14 min  
 Lab File: VN053439.D  
 Acq: 17 Jan 2019 17:19

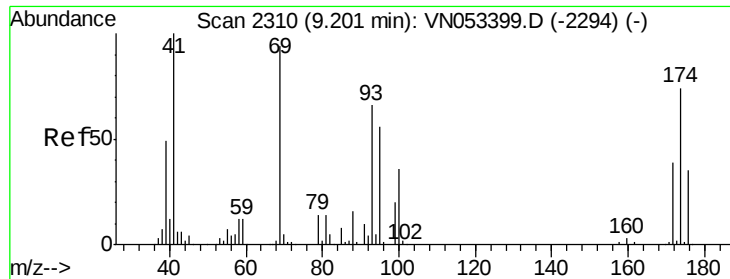
Tot Ion: 63 Resp: 3391  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 25.0 37.4#



#48  
 Methyl methacrylate  
 Concen: 2.614 ug/l  
 RT: 9.18 min Scan# 2304  
 Delta R.T. -0.02 min  
 Lab File: VN053439.D  
 Acq: 17 Jan 2019 17:19

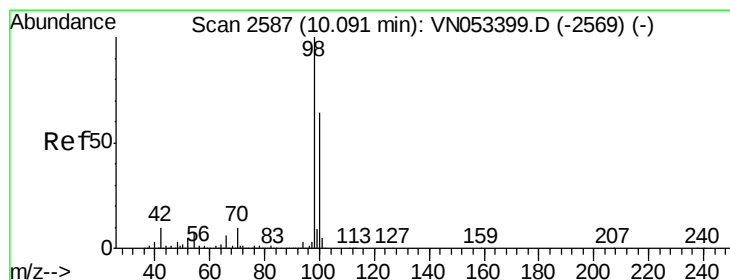
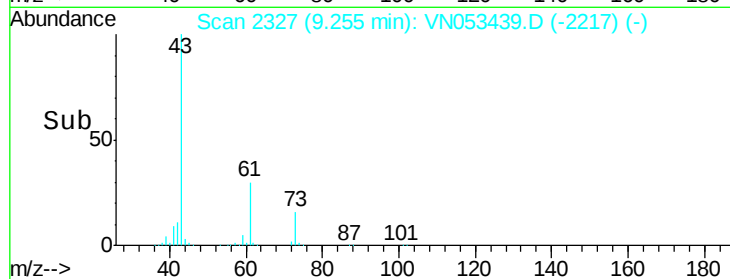
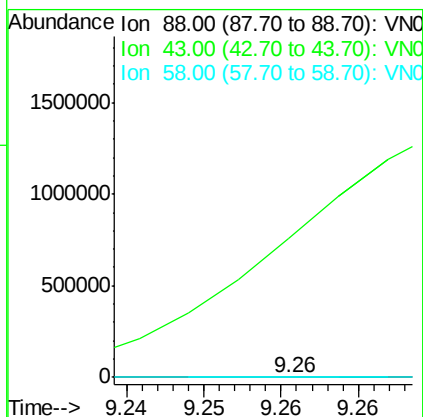
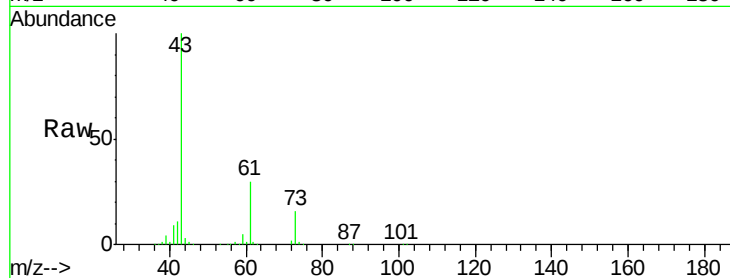
Tgt Ion: 41 Resp: 19722  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 73.8 110.6#  
 39 16.6 40.0 60.0#





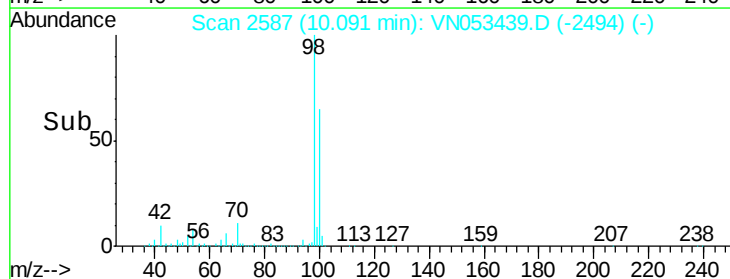
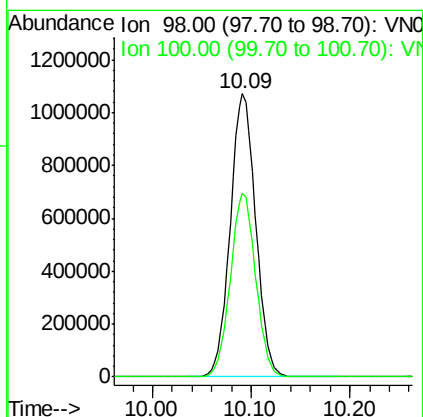
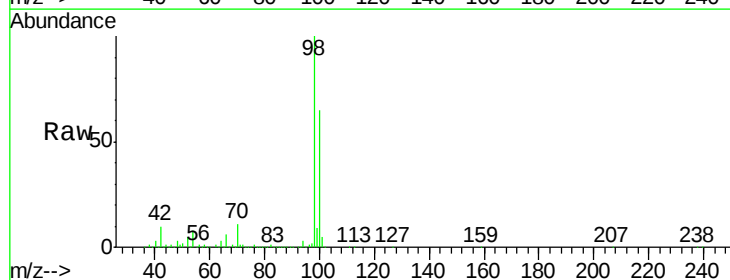
#49  
1,4-Dioxane  
Concen: 0.407 ug/l  
RT: 9.26 min Scan# 2327  
Delta R.T. 0.05 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

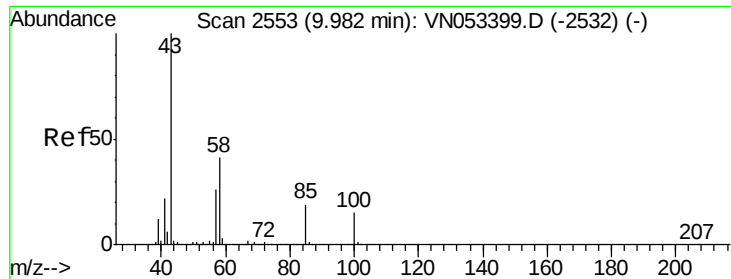
Tot Ion: 88 Resp: 30  
Ion Ratio Lower Upper  
88 100  
43 0.0 27.8 41.6#  
58 0.0 56.5 84.7#



#50  
Toluene-d8  
Concen: 0.407 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

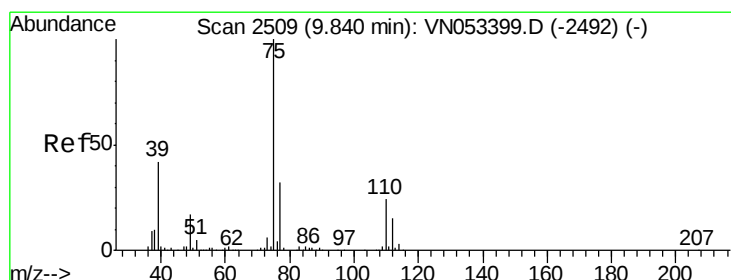
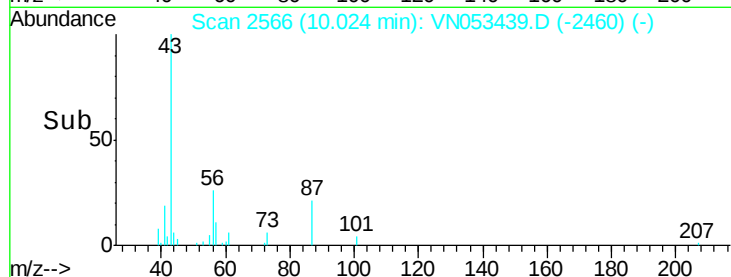
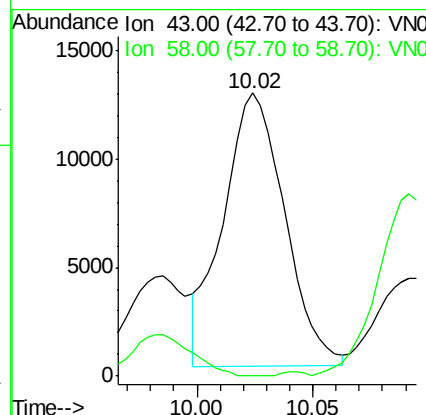
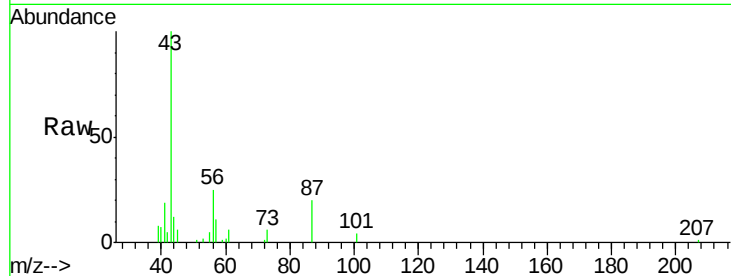
Tgt Ion: 98 Resp: 1928253  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.4 77.0





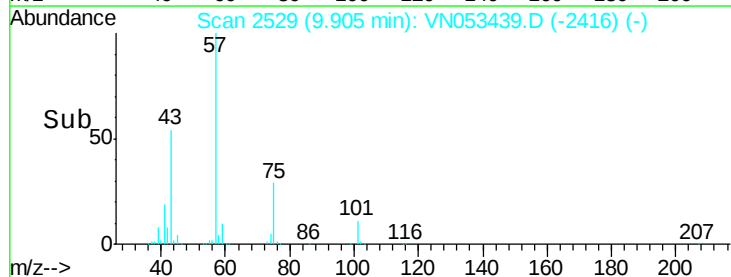
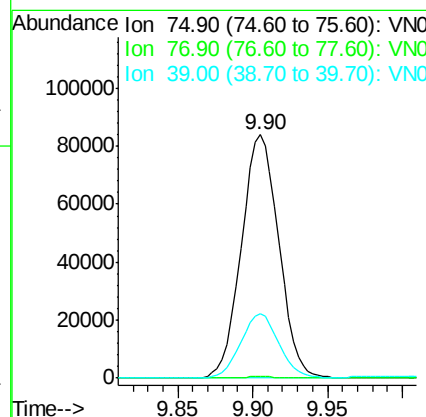
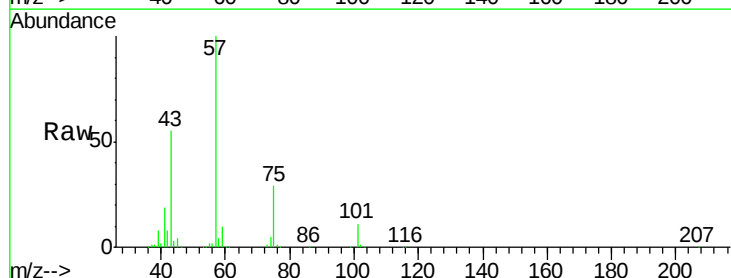
#51  
 4-Methyl-2-Pentanone  
 Concen: 2.901 ug/l  
 RT: 10.02 min Scan# 2566  
 Delta R.T. 0.04 min  
 Lab File: VN053439.D  
 Acq: 17 Jan 2019 17:19

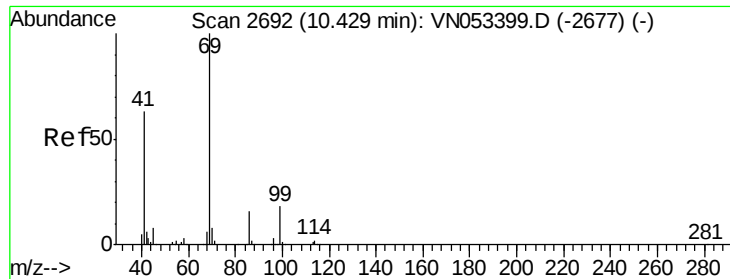
Tot Ion: 43 Resp: 23142  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 32.8 49.2#



#54  
 cis-1,3-Dichloropropene  
 Concen: 8.946 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. 0.06 min  
 Lab File: VN053439.D  
 Acq: 17 Jan 2019 17:19

Tgt Ion: 75 Resp: 146047  
 Ion Ratio Lower Upper  
 75 100  
 77 0.6 25.8 38.6#  
 39 26.3 33.4 50.0#





#56

Ethyl methacrylate

Concen: 2.071 ug/l

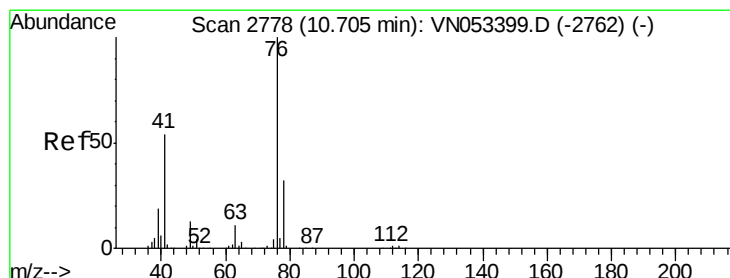
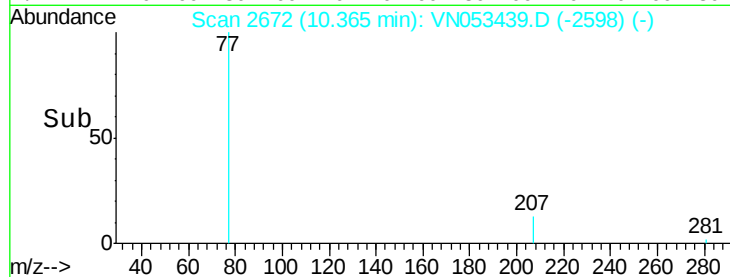
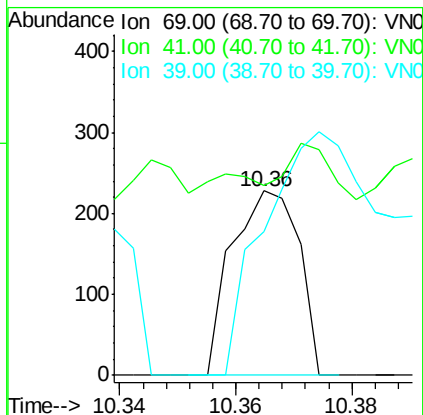
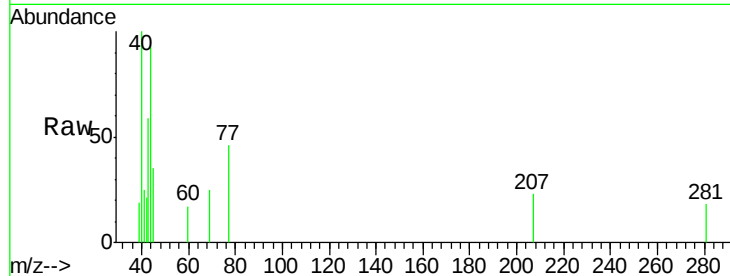
RT: 10.36 min Scan# 2672

Delta R.T. -0.06 min

Lab File: VN053439.D

Acq: 17 Jan 2019 17:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 69    | Resp: | 182   |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 0.0   | 49.4  | 74.0# |
| 39       | 0.0   | 23.3  | 34.9# |



#57

1,3-Dichloropropane

Concen: 1.608 ug/l

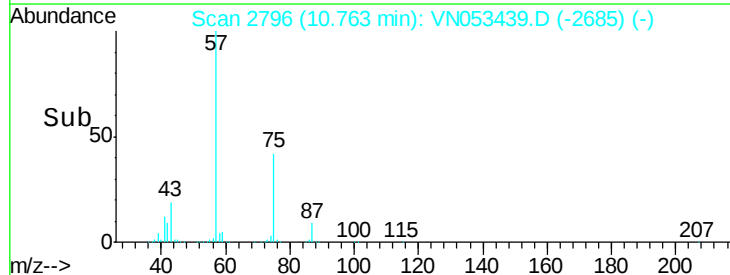
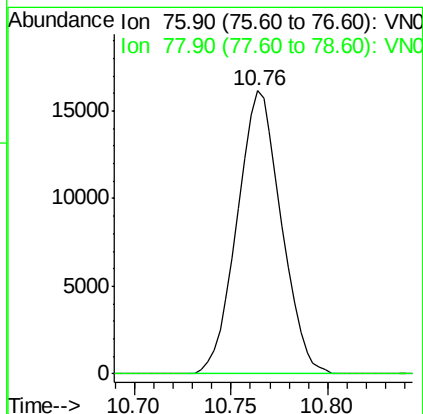
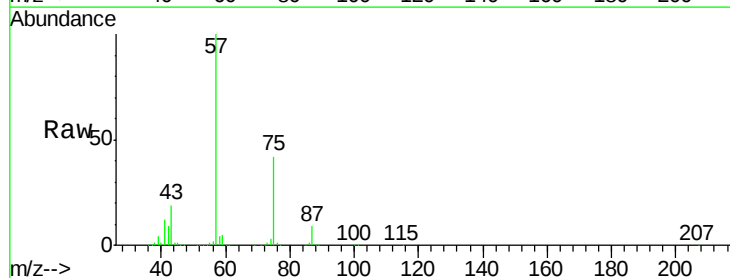
RT: 10.76 min Scan# 2796

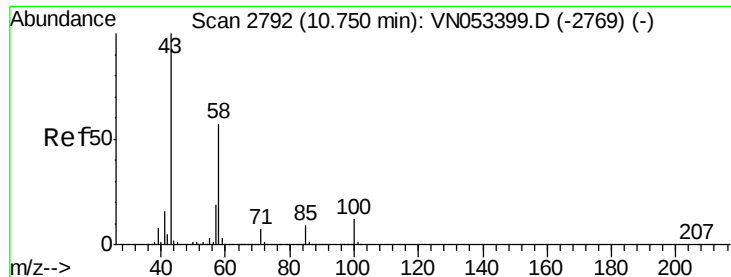
Delta R.T. 0.06 min

Lab File: VN053439.D

Acq: 17 Jan 2019 17:19

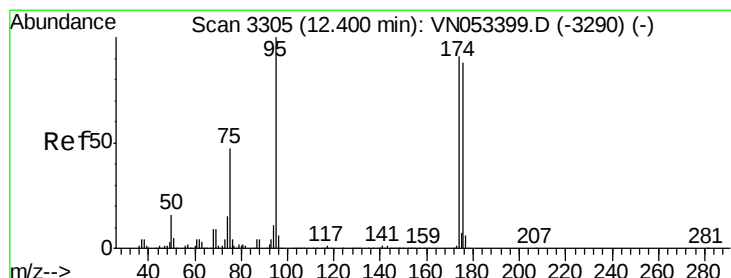
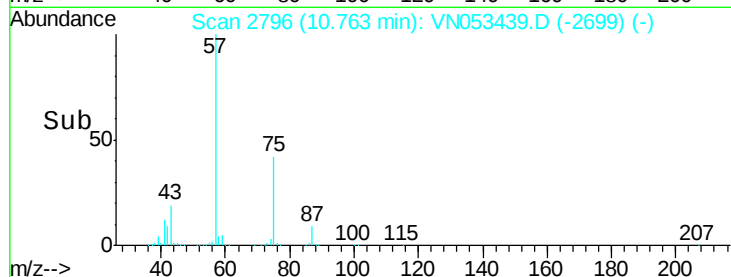
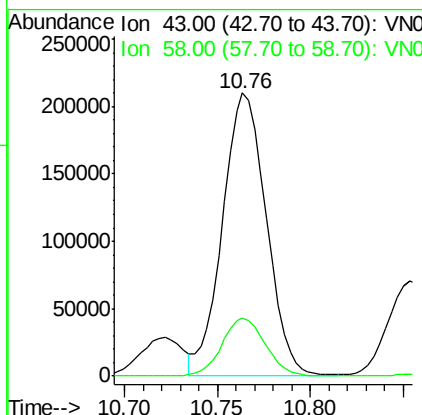
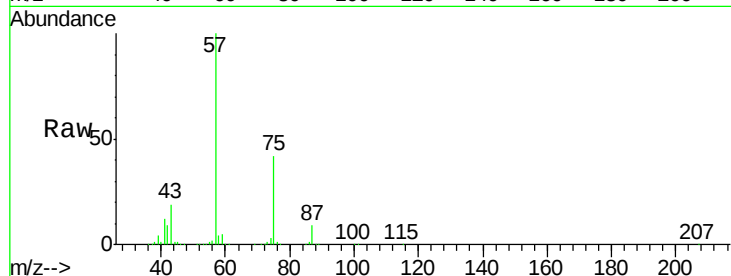
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 25564 |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 0.0   | 25.6  | 38.4# |





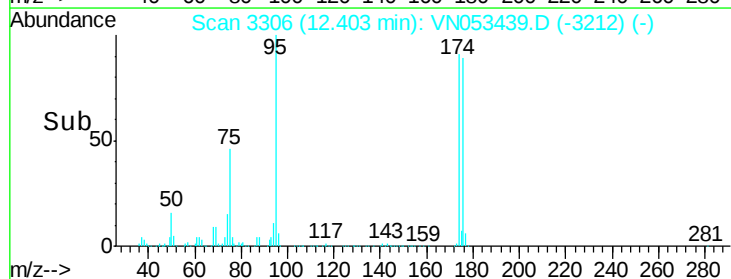
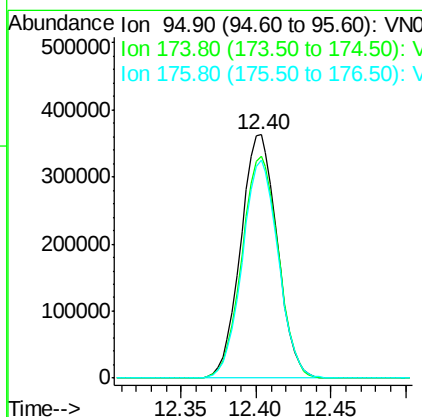
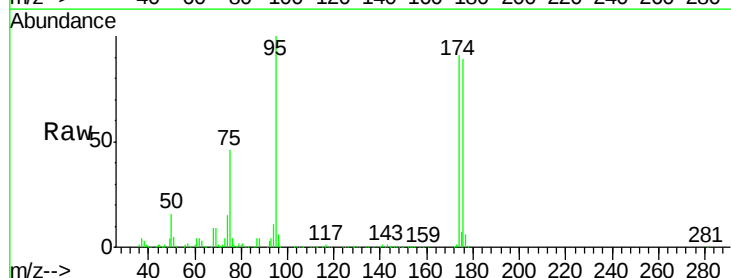
#59  
2-Hexanone  
Concen: 61.197 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

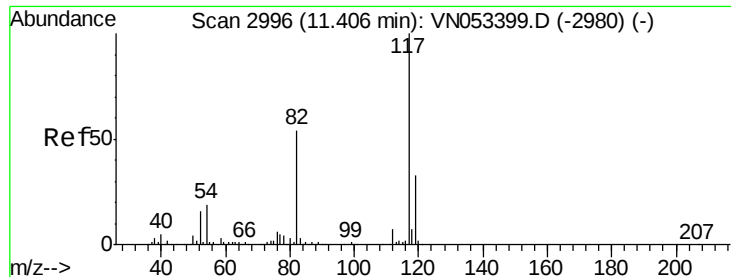
Tot Ion: 43 Resp: 342742  
Ion Ratio Lower Upper  
43 100  
58 20.4 28.6 85.8#



#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

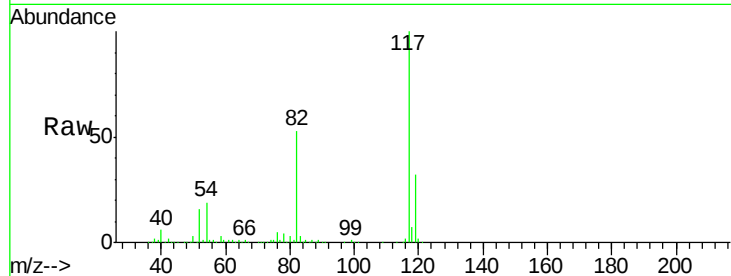
Tgt Ion: 95 Resp: 617656  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 183.2  
176 87.8 0.0 177.4



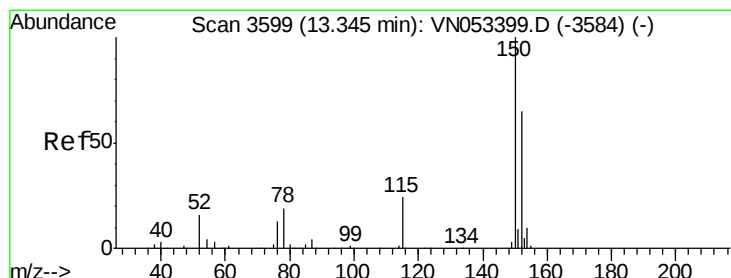
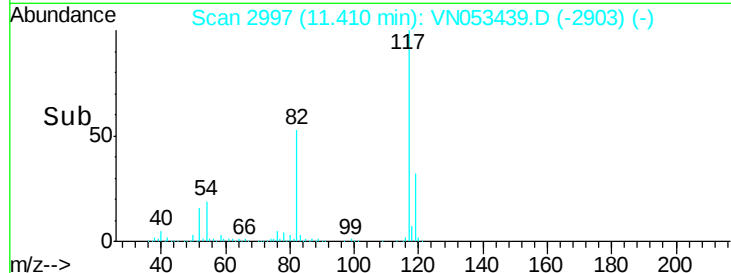
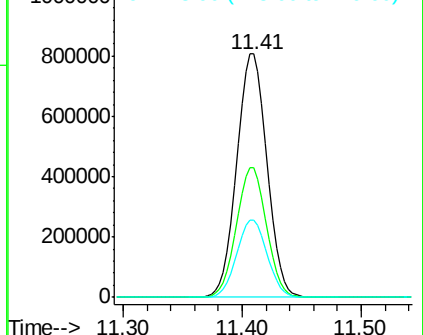


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

Tot Ion:117 Resp: 1419547  
Ion Ratio Lower Upper  
117 100  
82 53.1 42.9 64.3  
119 31.8 26.0 39.0

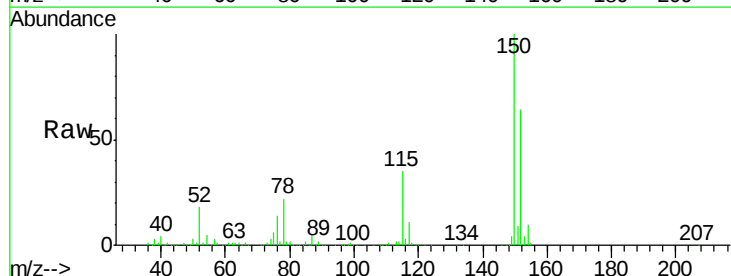


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

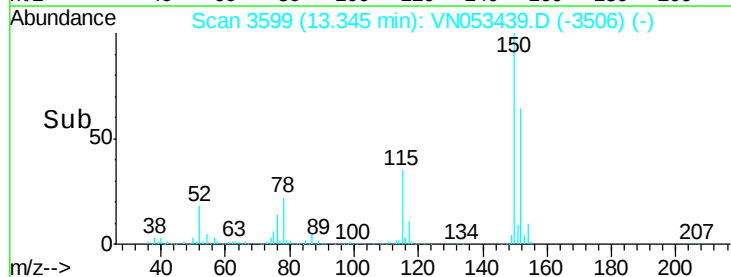
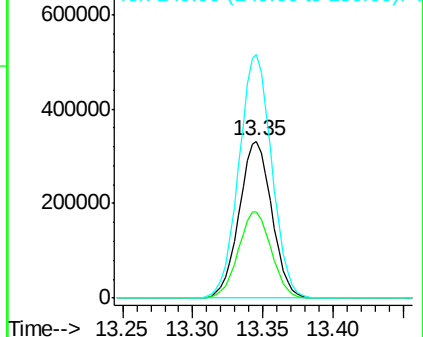


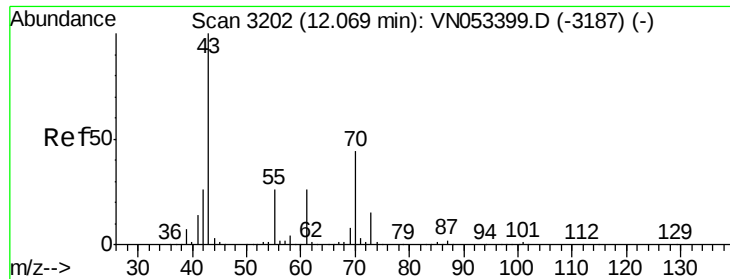
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053439.D  
Acq: 17 Jan 2019 17:19

Tgt Ion:152 Resp: 537516  
Ion Ratio Lower Upper  
152 100  
115 55.5 27.8 83.4  
150 156.4 0.0 349.0



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-amvl acetate

Concen: 3.834 ug/l

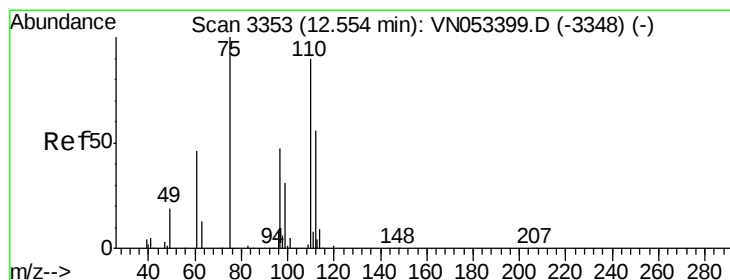
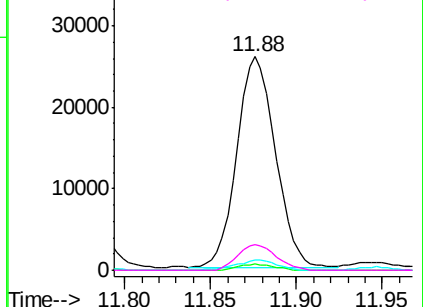
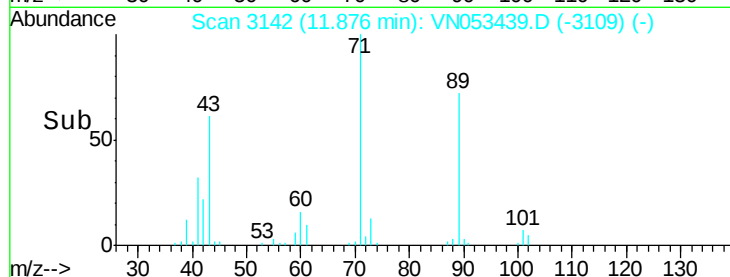
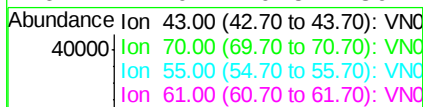
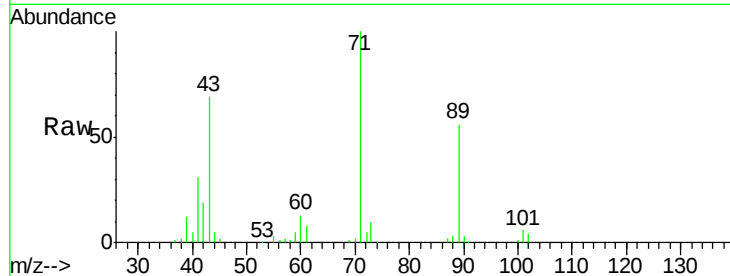
RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053439.D

Acq: 17 Jan 2019 17:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 40230 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 2.6   | 35.4  | 53.2# |
| 55       | 5.2   | 20.9  | 31.3# |
| 61       | 12.0  | 20.5  | 30.7# |



#76

1,2,3-Trichloropropane

Concen: 40.298 ug/l

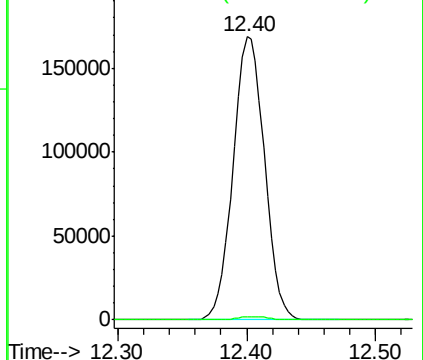
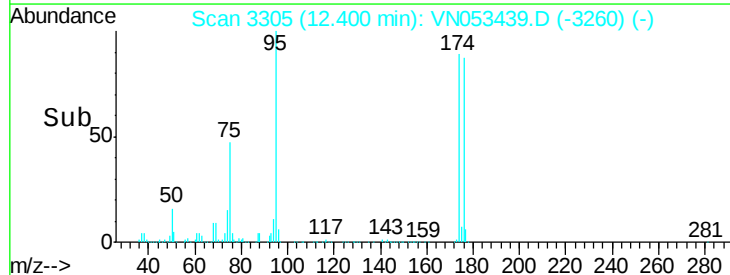
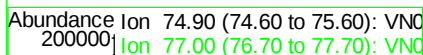
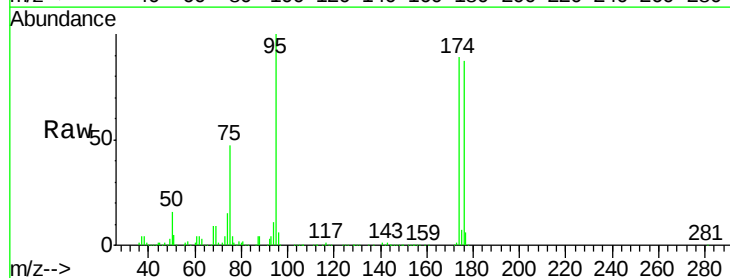
RT: 12.40 min Scan# 3305

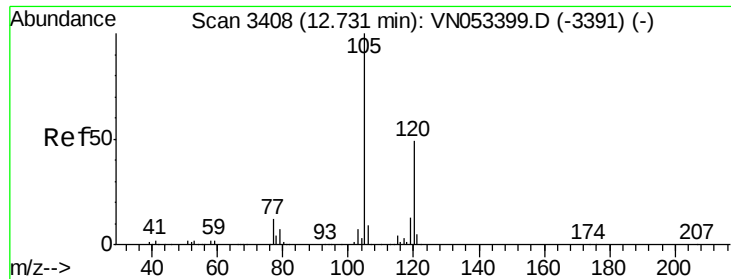
Delta R.T. -0.15 min

Lab File: VN053439.D

Acq: 17 Jan 2019 17:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 285449 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 1.2   | 0.0   | 0.0#   |





#80

1,3,5-Trimethylbenzene

Concen: 0.258 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053439.D

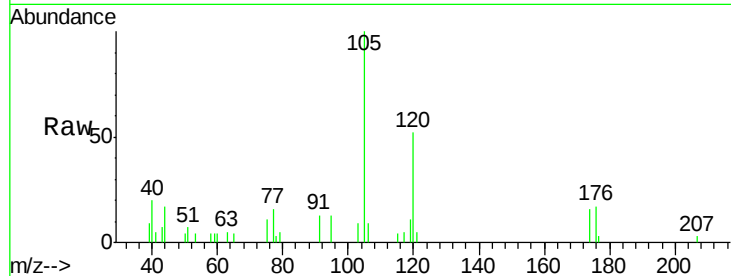
Acq: 17 Jan 2019 17:19

Tot Ion:105 Resp: 8262

Ion Ratio Lower Upper

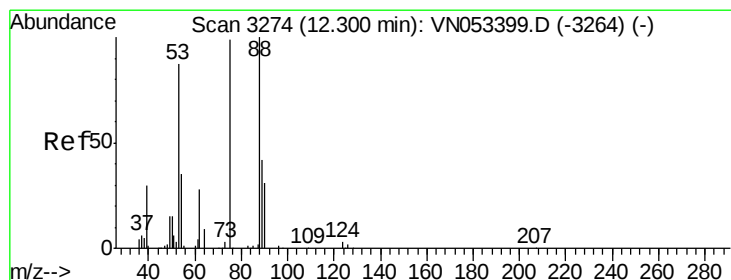
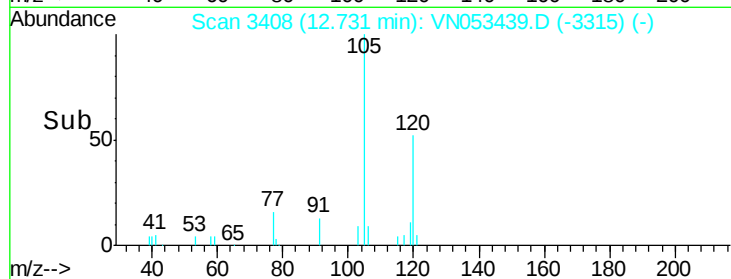
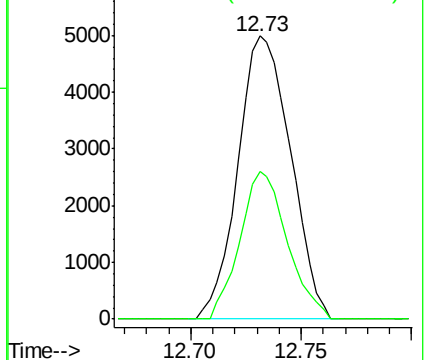
105 100

120 46.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 99.351 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053439.D

Acq: 17 Jan 2019 17:19

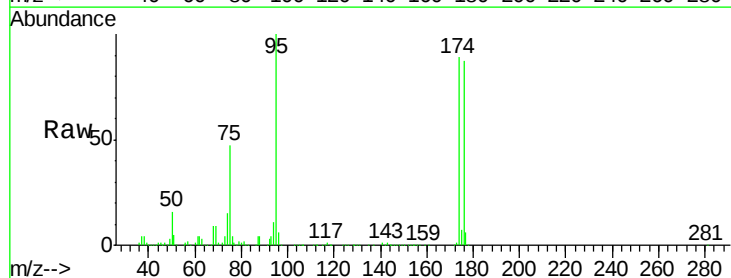
Tgt Ion: 75 Resp: 285449

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

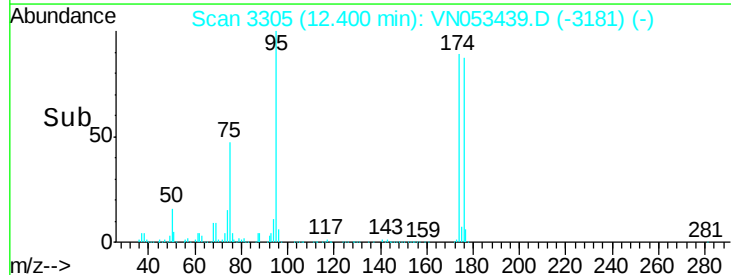
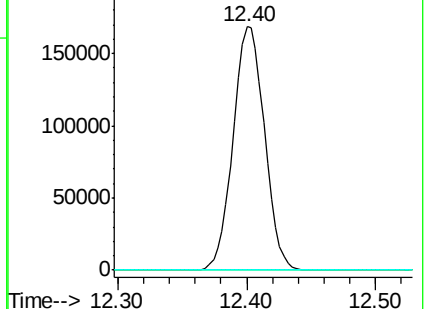
89 0.0 35.6 53.4#

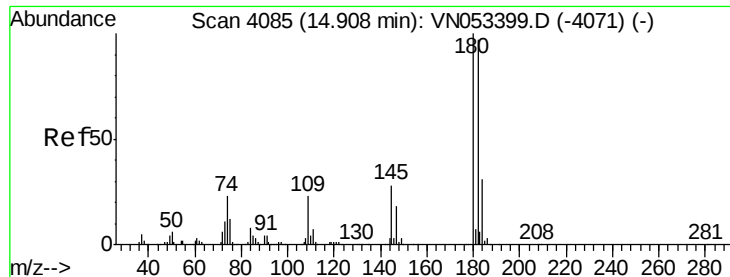


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

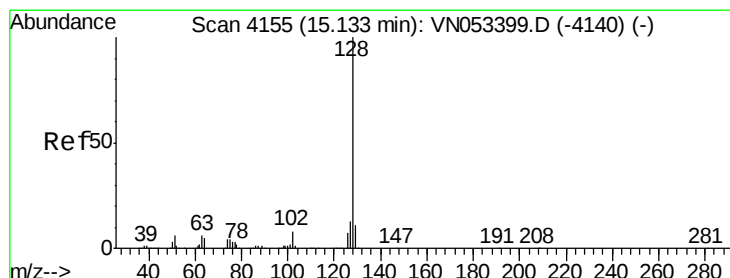
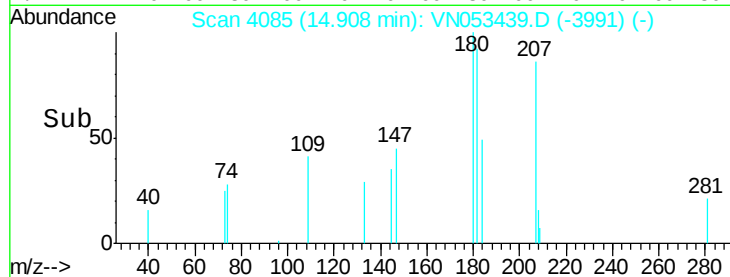
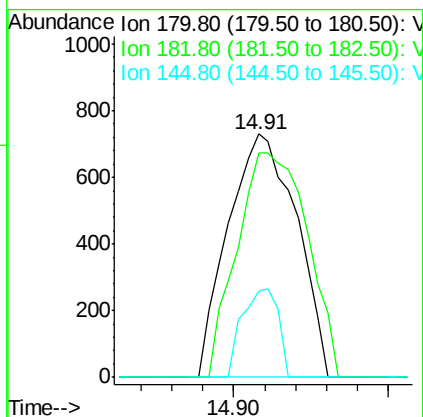
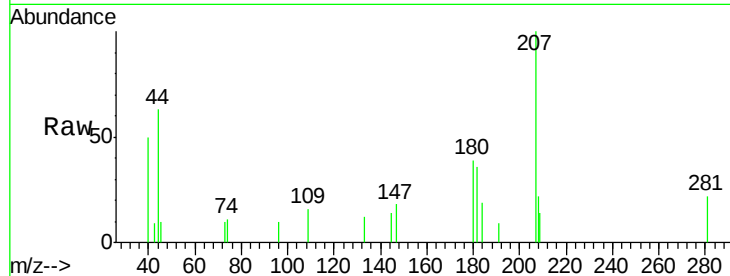
Ion 88.90 (88.60 to 89.60): VNO





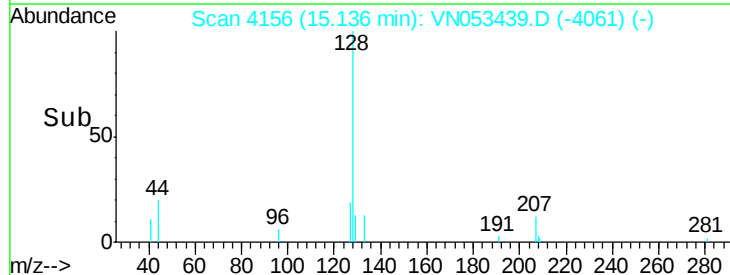
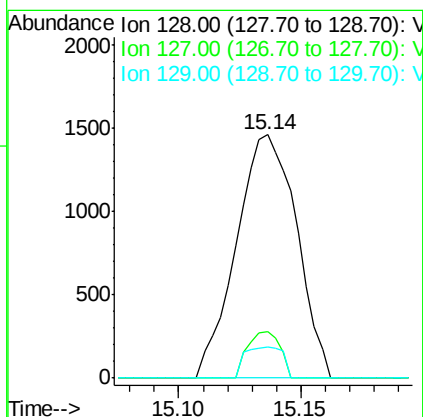
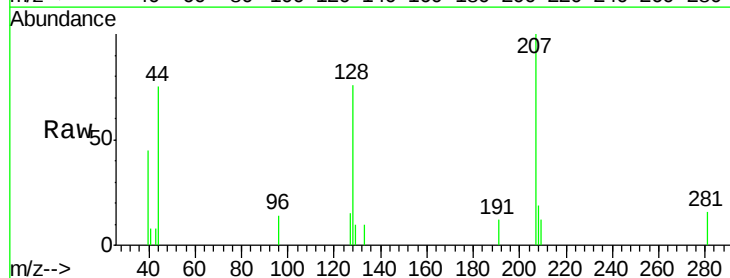
#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.909 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN053439.D  
 Acq: 17 Jan 2019 17:19

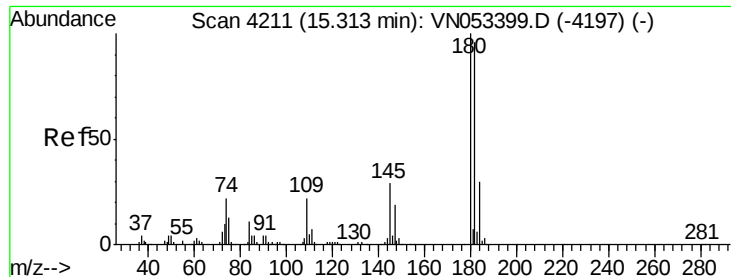
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 48.1  | 144.3 |
| 145     | 19.2  | 13.9  | 41.6  |



#95  
 Naphthalene  
 Concen: 4.116 ug/l  
 RT: 15.14 min Scan# 4156  
 Delta R.T. 0.00 min  
 Lab File: VN053439.D  
 Acq: 17 Jan 2019 17:19

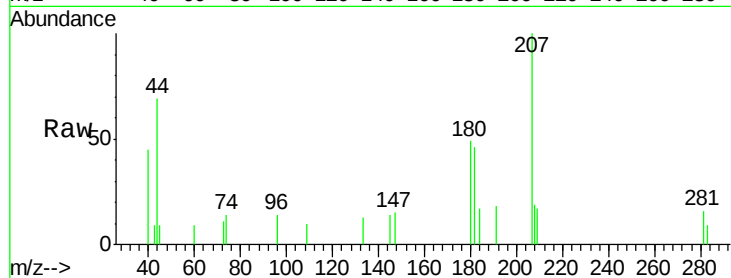
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 10.2  | 10.3  | 15.5# |
| 129     | 8.0   | 8.6   | 13.0# |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 4.161 ug/l  
 RT: 15.32 min Scan# 4212  
 Delta R.T. 0.00 min  
 Lab File: VN053439.D  
 Acq: 17 Jan 2019 17:19

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 85.0  | 47.9  | 143.8 |
| 145     | 26.0  | 14.7  | 44.1  |



Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.90 (144.60 to 145.60): V

