

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\  
 Data File : VN056345.D  
 Acq On : 17 Jun 2019 17:09  
 Operator : JC/SP  
 Sample : K3154-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 18 04:37:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061719W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 18 04:23:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 349079   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 591189   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 603853   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 193078   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

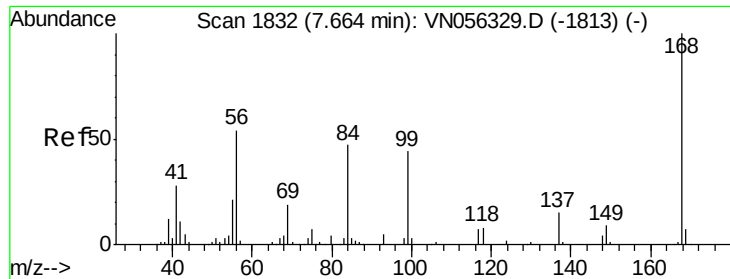
|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 202882   | 51.69 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.38% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 174448   | 46.01 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.02%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 739742   | 51.08 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.16% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 252316   | 52.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.14% |      |

## Target Compounds

|                                |       |     |        |           |        | Qvalue |
|--------------------------------|-------|-----|--------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.82  | 59  | 264    | 0.427     | ug/l # | 73     |
| 14) Allyl chloride             | 4.54  | 41  | 2989   | 0.550     | ug/l # | 27     |
| 16) Acetone                    | 3.82  | 43  | 22509  | 10.378    | ug/l   | 98     |
| 18) Methyl Acetate             | 4.33  | 43  | 5559   | Below Cal | #      | 70     |
| 20) Methylene Chloride         | 4.54  | 84  | 79269  | 20.698    | ug/l   | 98     |
| 25) 2-Butanone                 | 6.85  | 43  | 9706   | 3.692     | ug/l   | 94     |
| 29) Tetrahydrofuran            | 7.21  | 42  | 777    | 0.498     | ug/l # | 48     |
| 30) Chloroform                 | 7.37  | 83  | 2155   | 0.346     | ug/l   | 91     |
| 31) Cyclohexane                | 7.67  | 56  | 5583   | 0.923     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 22916  | 4.308     | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.66  | 117 | 30344  | 5.943     | ug/l # | 15     |
| 41) Methacrylonitrile          | 7.22  | 41  | 756    | 0.327     | ug/l # | 39     |
| 43) Isopropyl Acetate          | 8.17  | 43  | 12711  | 1.576     | ug/l   | 99     |
| 45) 1,2-Dichloropropane        | 9.27  | 63  | 1687   | 0.396     | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.18  | 41  | 8434   | 2.073     | ug/l # | 13     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 4786   | 0.931     | ug/l   | 95     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75  | 55030  | 8.874     | ug/l # | 63     |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 12267  | 1.799     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43  | 166516 | 43.681    | ug/l # | 51     |
| 71) Bromoform                  | 12.40 | 173 | 1914   | 0.538     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105 | 252    | Below Cal | #      | 48     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 115633 | 28.031    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.68 | 91  | 30     | Below Cal | #      | 39     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 115633 | 87.090    | ug/l # | 13     |
| 83) tert-Butylbenzene          | 12.99 | 119 | 62     | Below Cal | #      | 28     |
| 90) Hexachloroethane           | 13.99 | 117 | 443    | Below Cal | #      | 4      |
| 95) Naphthalene                | 15.13 | 128 | 4341   | 5.106     | ug/l   | 97     |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

Instrument :

MSVOA\_N

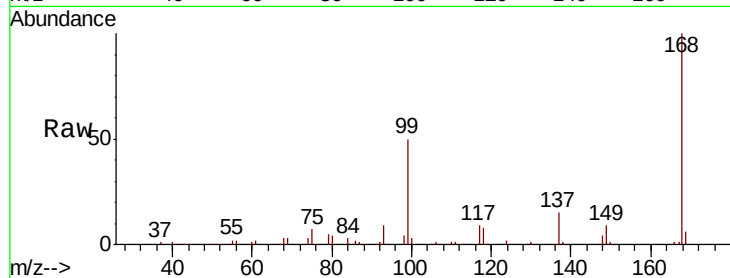
ClientSampleId :

Tot Ion:168 Resp: 349079

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

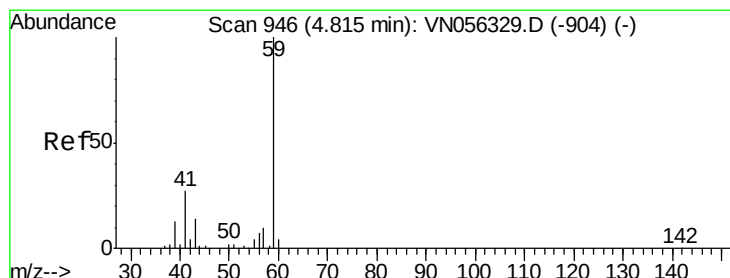
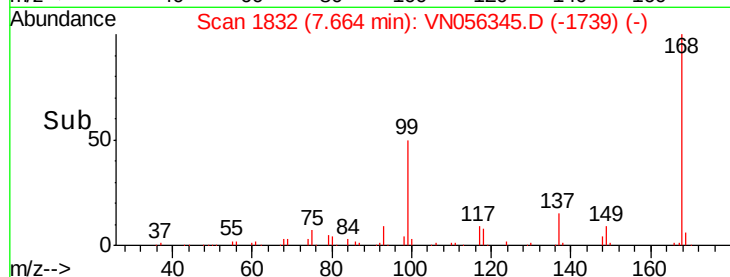
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.427 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.01 min

Lab File: VN056345.D

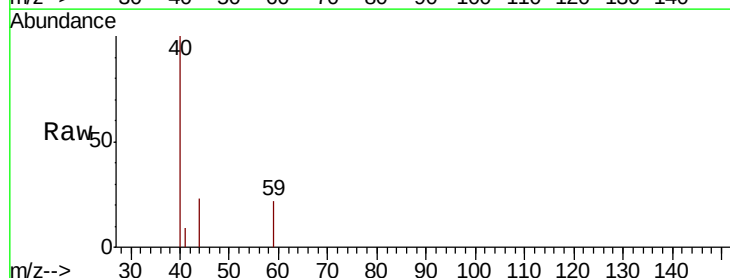
Acq: 17 Jun 2019 17:09

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.82

400

300

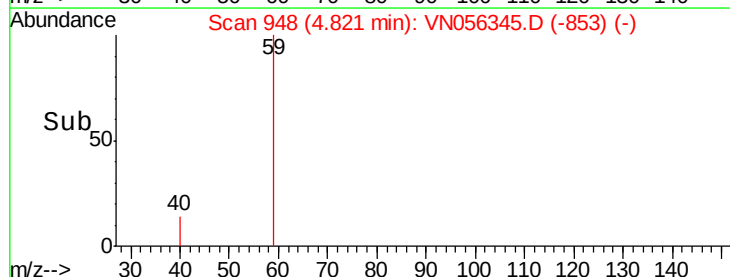
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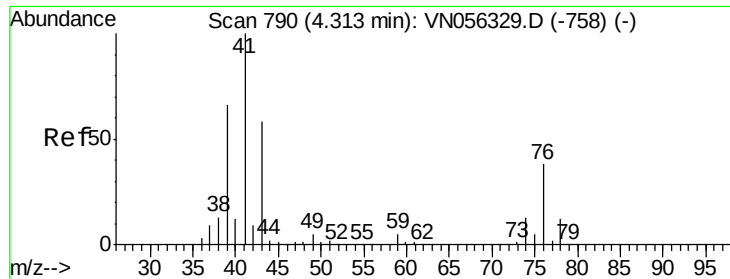
100

0

Time-->

4.80 4.81 4.82 4.83 4.84

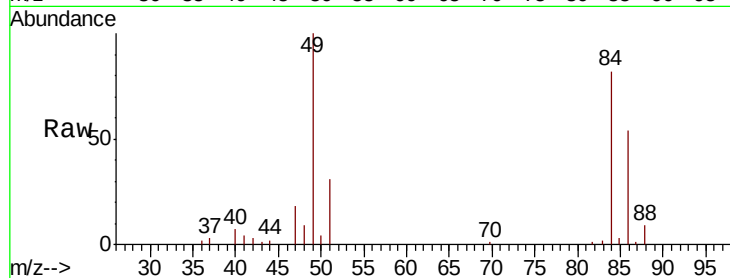




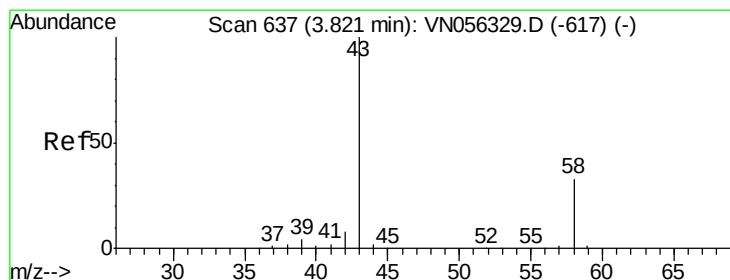
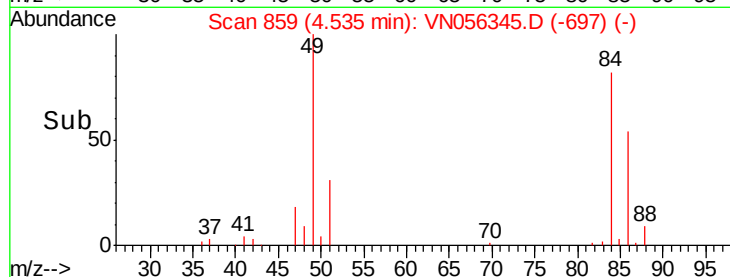
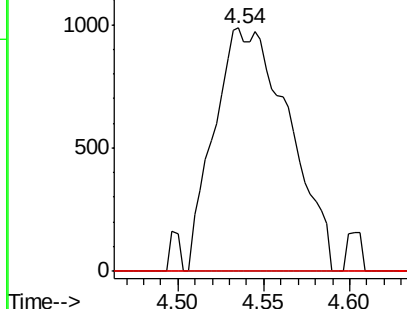
#14  
Allvl chloride  
Concen: 0.550 ug/l  
RT: 4.54 min Scan# 859  
Delta R.T. 0.22 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 41 Resp: 2989  
Ion Ratio Lower Upper  
41 100  
39 0.0 48.9 73.3#  
76 0.0 27.2 40.8#

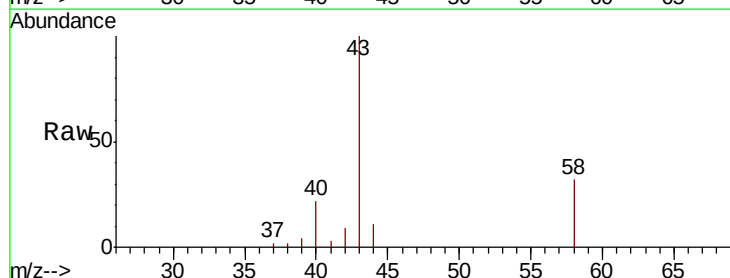


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 75.90 (75.60 to 76.60): VN0

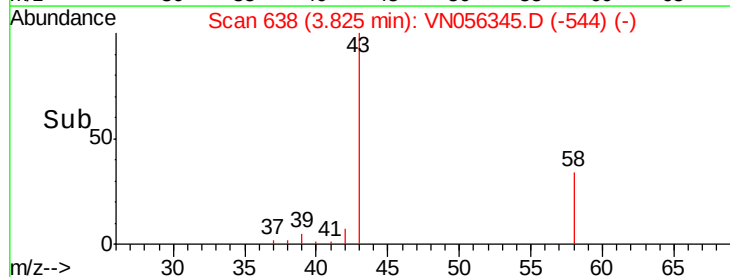
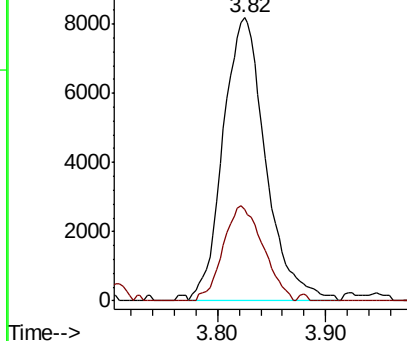


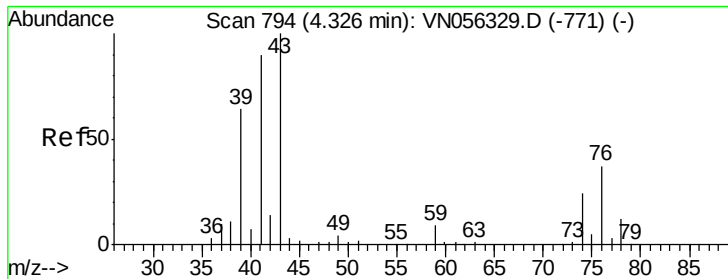
#16  
Acetone  
Concen: 10.378 ug/l  
RT: 3.82 min Scan# 638  
Delta R.T. 0.00 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

Tgt Ion: 43 Resp: 22509  
Ion Ratio Lower Upper  
43 100  
58 32.1 26.5 39.7



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

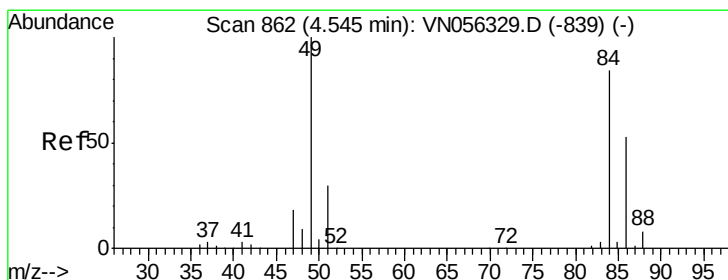
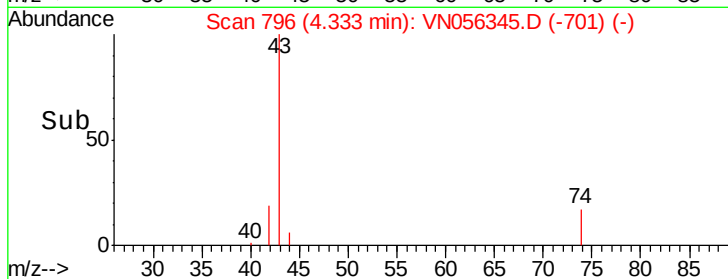
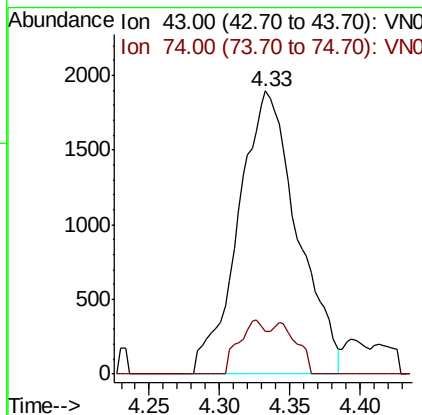
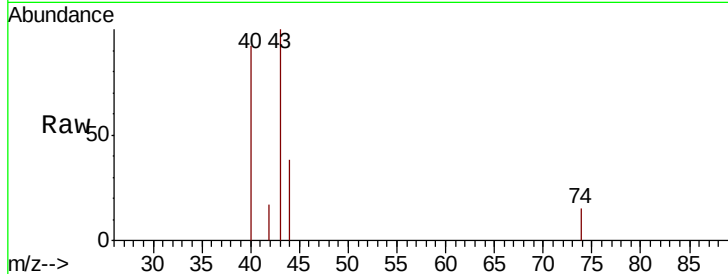




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.33 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

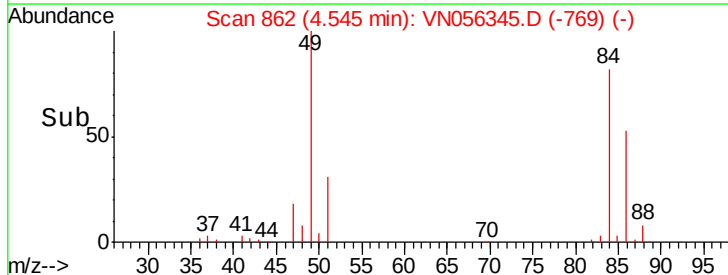
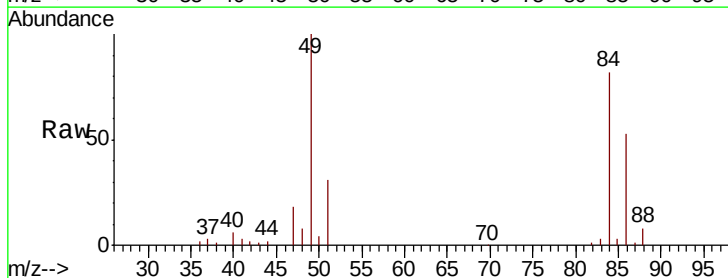
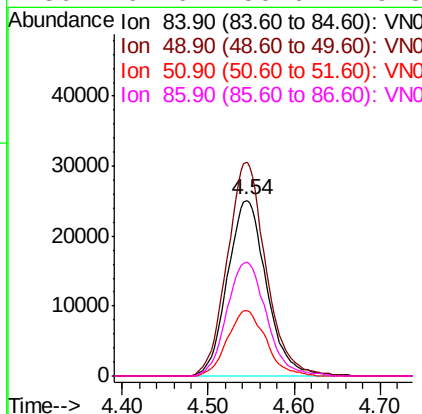
Instrument :  
MSVOA\_N  
ClientSampleId :

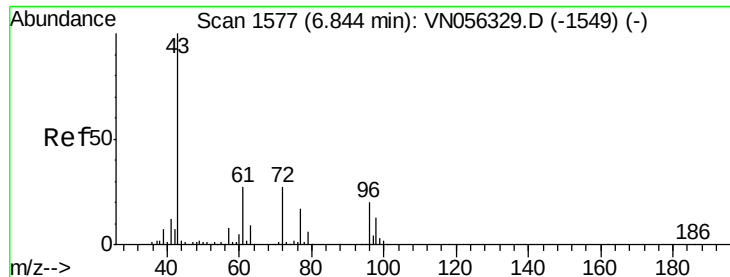
Tot Ion: 43 Resp: 5559  
Ion Ratio Lower Upper  
43 100  
74 9.4 19.4 29.2#



#20  
Methylene Chloride  
Concen: 20.698 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

Tgt Ion: 84 Resp: 79269  
Ion Ratio Lower Upper  
84 100  
49 121.5 95.0 142.6  
51 37.3 28.2 42.4  
86 64.6 50.6 75.8

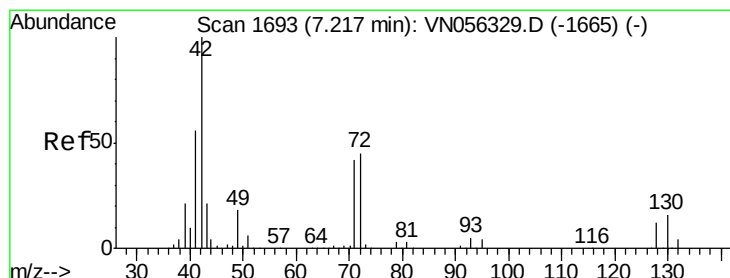
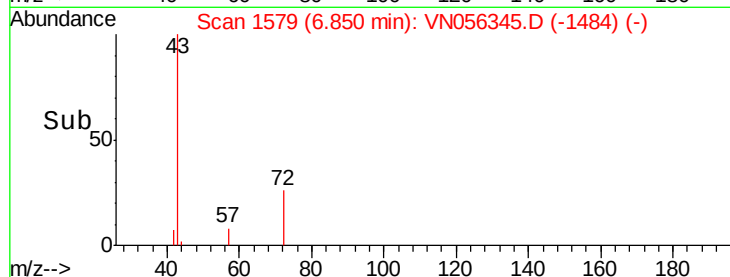
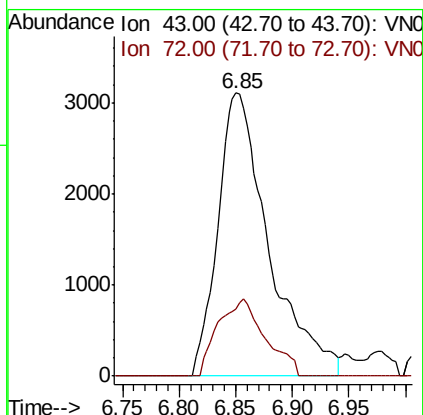
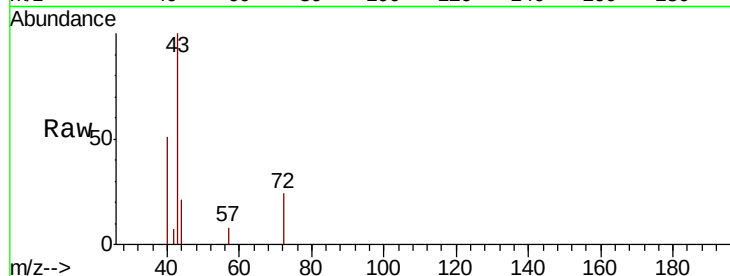




#25  
2-Butanone  
Concen: 3.692 ug/l  
RT: 6.85 min Scan# 1579  
Delta R.T. 0.01 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

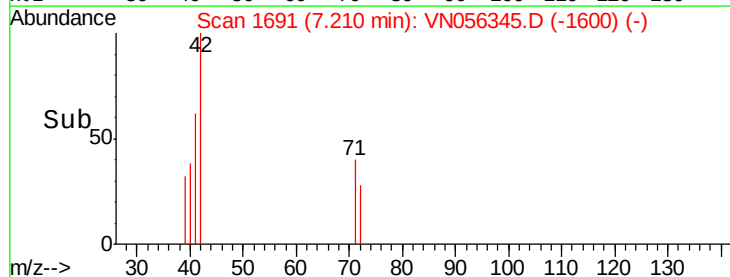
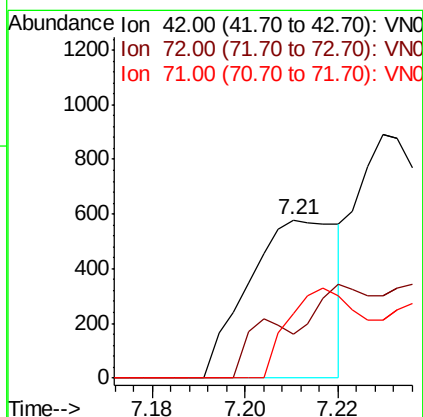
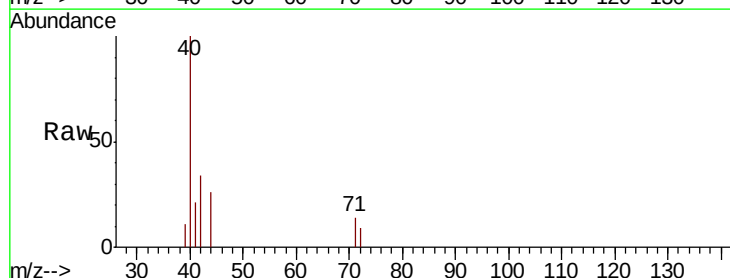
Instrument :  
MSVOA\_N  
ClientSampleId :

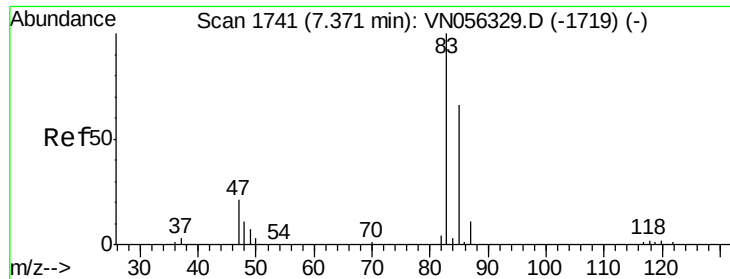
Tot Ion: 43 Resp: 9706  
Ion Ratio Lower Upper  
43 100  
72 23.8 21.4 32.2



#29  
Tetrahydrofuran  
Concen: 0.498 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. -0.01 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

Tgt Ion: 42 Resp: 777  
Ion Ratio Lower Upper  
42 100  
72 18.4 35.3 52.9#  
71 0.0 32.7 49.1#

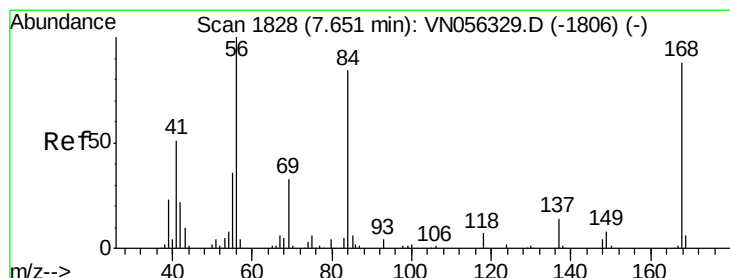
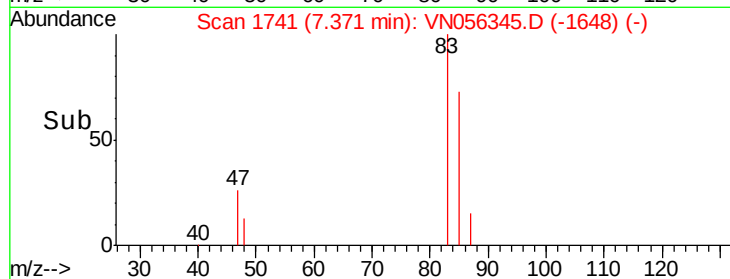
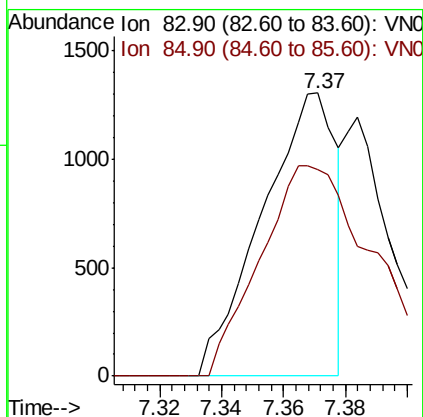
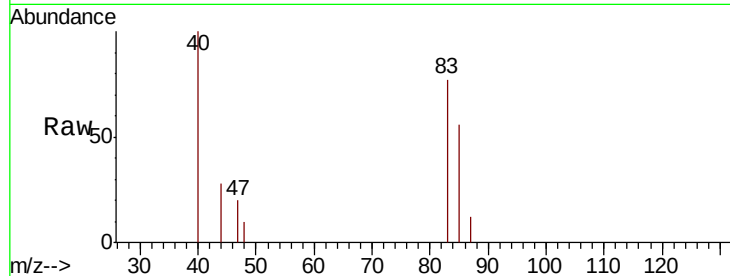




#30  
Chloroform  
Concen: 0.346 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

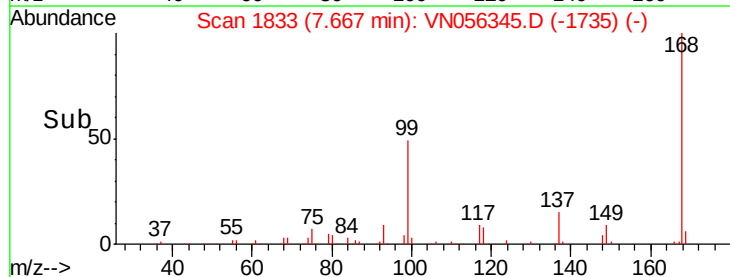
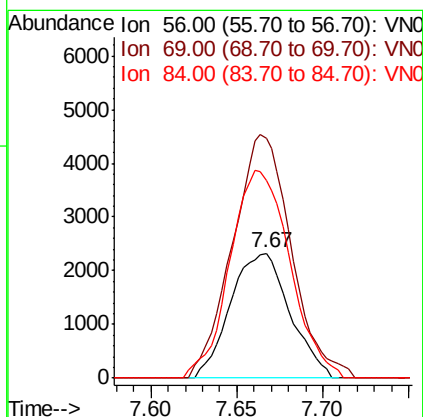
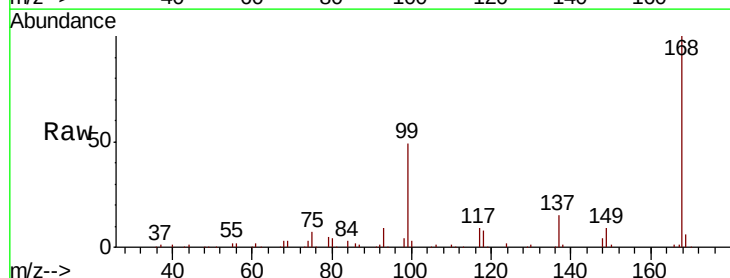
Instrument :  
MSVOA\_N  
ClientSampled :

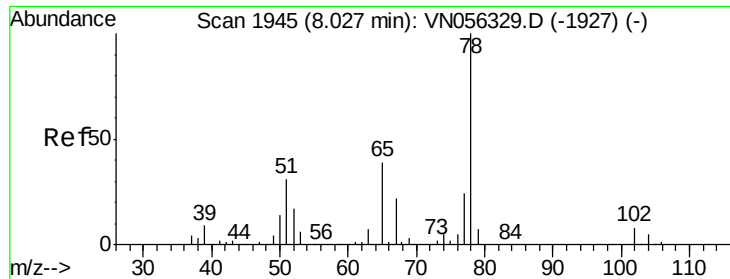
Tot Ion: 83 Resp: 2155  
Ion Ratio Lower Upper  
83 100  
85 72.8 52.6 78.8



#31  
Cyclohexane  
Concen: 0.923 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.02 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

Tgt Ion: 56 Resp: 5583  
Ion Ratio Lower Upper  
56 100  
69 192.3 26.0 39.0#  
84 151.7 67.4 101.0#

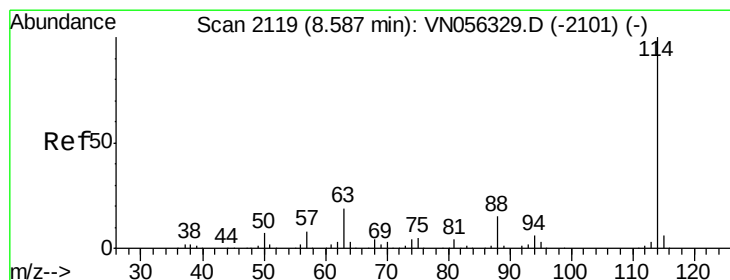
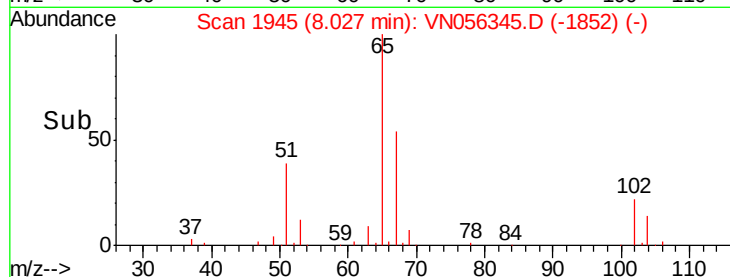
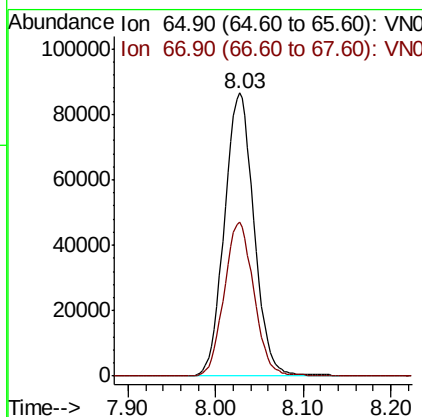
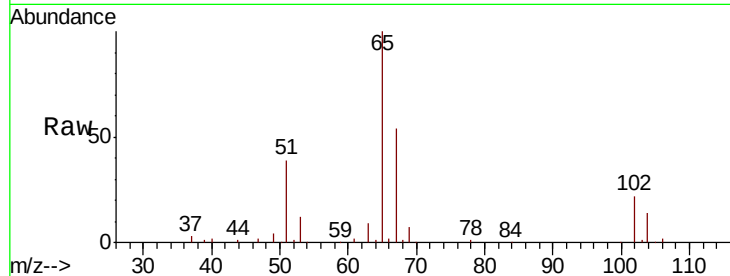




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.689 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056345.D  
 Acq: 17 Jun 2019 17:09

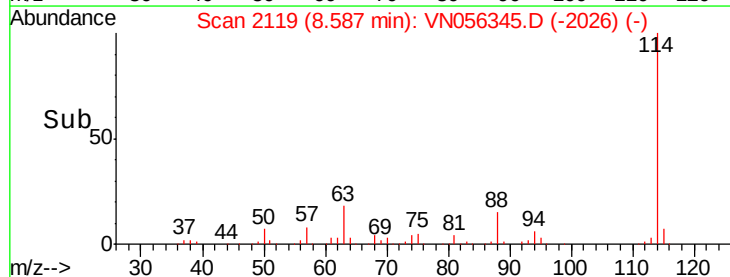
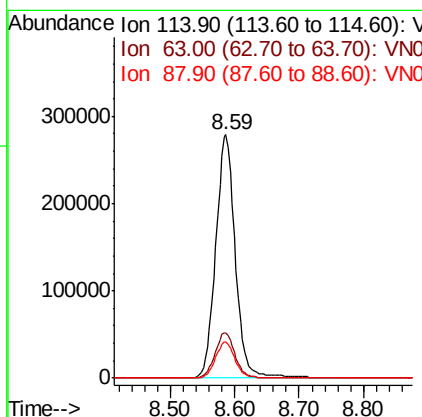
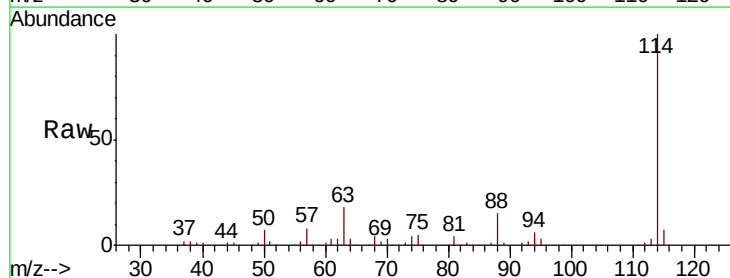
Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion: 65 Resp: 202882  
 Ion Ratio Lower Upper  
 65 100  
 67 54.5 0.0 110.8

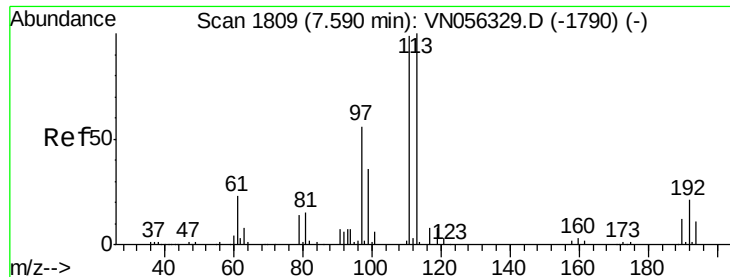


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056345.D  
 Acq: 17 Jun 2019 17:09

Tgt Ion: 114 Resp: 591189  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 38.8  
 88 14.7 0.0 30.6



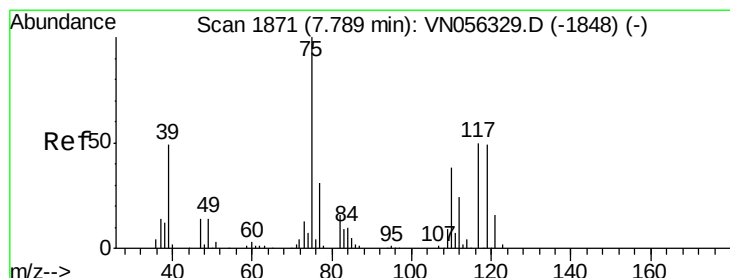
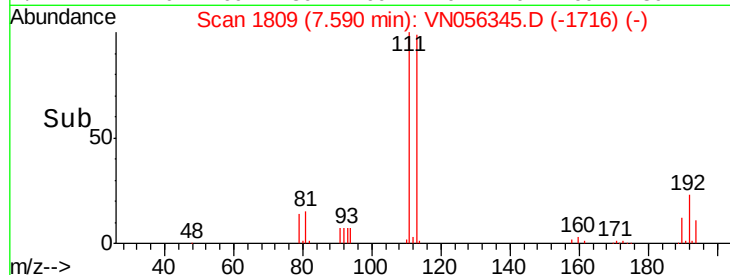
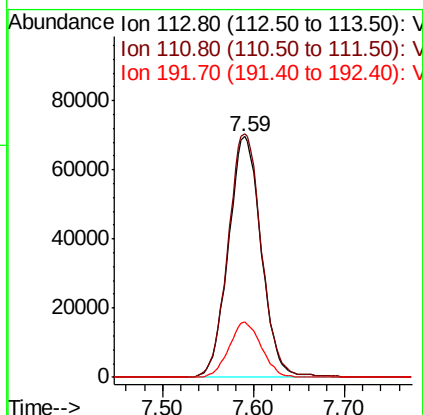
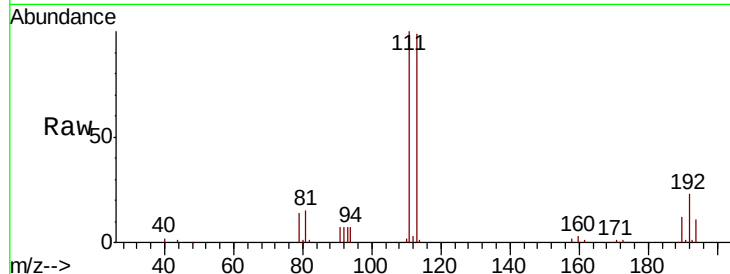




#35  
 Dibromofluoromethane  
 Concen: 46.014 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056345.D  
 Acq: 17 Jun 2019 17:09

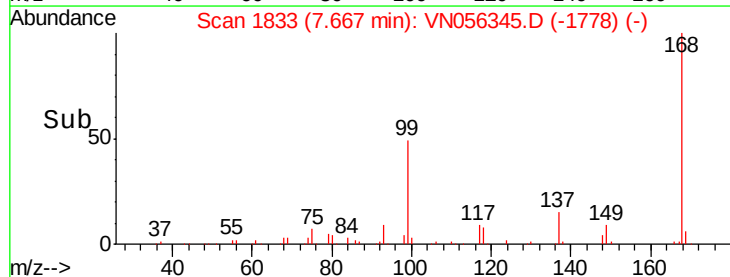
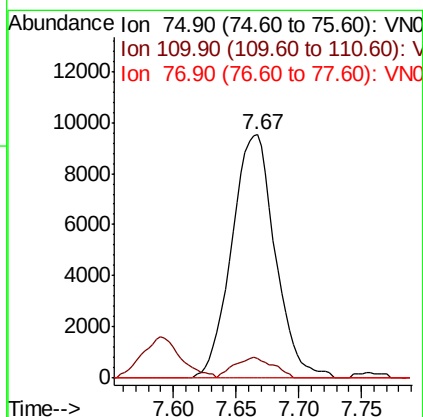
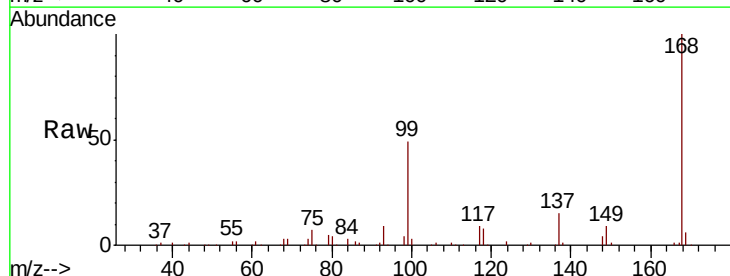
Instrument :  
 MSVOA\_N  
 ClientSampleId :

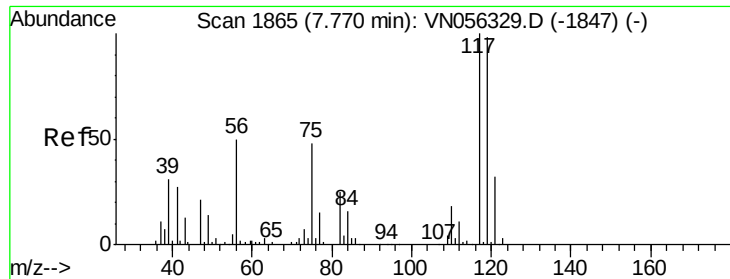
Tot Ion:113 Resp: 174448  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 82.1 123.1  
 192 22.5 17.6 26.4



#36  
 1,1-Dichloropropene  
 Concen: 4.308 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.12 min  
 Lab File: VN056345.D  
 Acq: 17 Jun 2019 17:09

Tgt Ion: 75 Resp: 22916  
 Ion Ratio Lower Upper  
 75 100  
 110 7.6 18.6 56.0#  
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.943 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

Instrument :

MSVOA\_N

ClientSampleId :

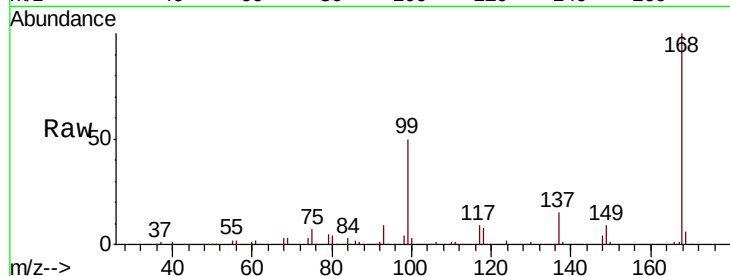
Tot Ion:117 Resp: 30344

Ion Ratio Lower Upper

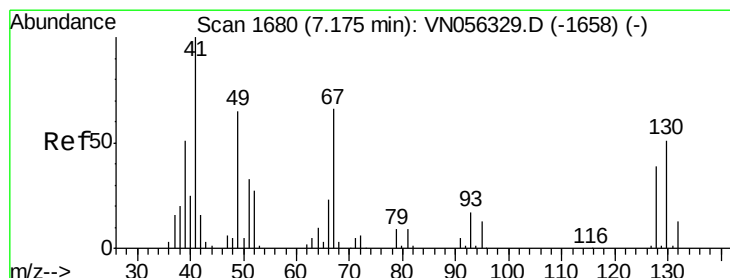
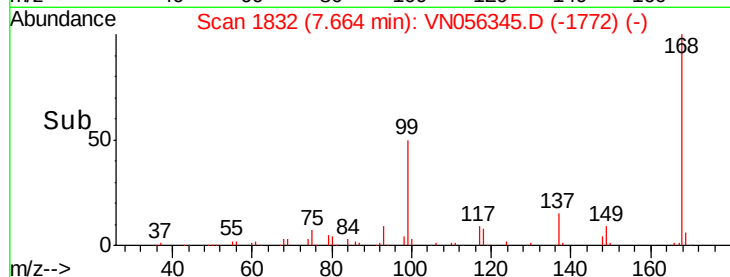
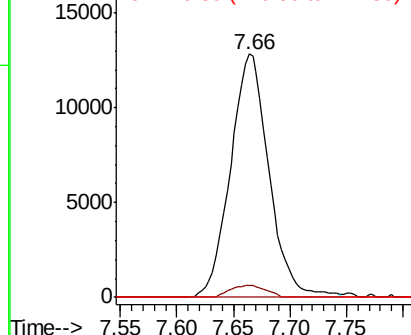
117 100

119 4.9 77.8 116.8#

121 0.0 25.3 37.9#



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



#41

Methacrylonitrile

Concen: 0.327 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

Tgt Ion: 41 Resp: 756

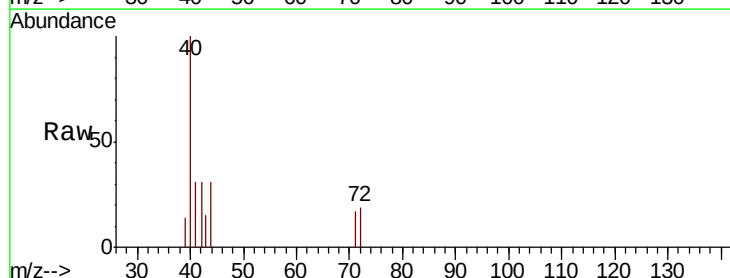
Ion Ratio Lower Upper

41 100

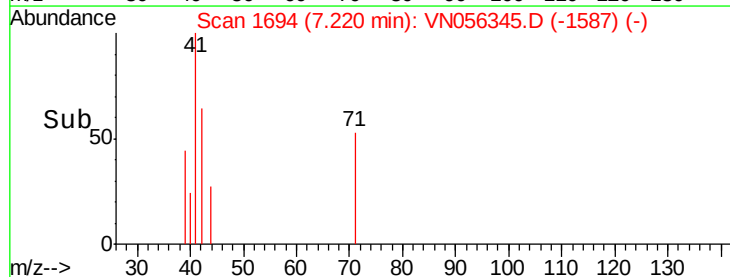
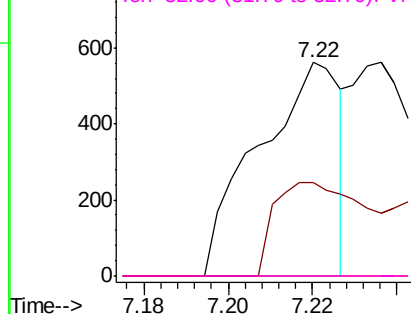
39 48.1 44.5 66.7

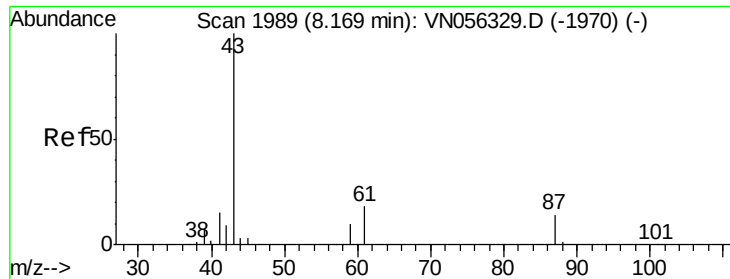
67 0.0 69.0 103.4#

52 0.0 28.1 42.1#



Abundance Ion 41.00 (40.70 to 41.70): V  
Ion 39.00 (38.70 to 39.70): V  
Ion 67.00 (66.70 to 67.70): V  
Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 1.576 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

Instrument :

MSVOA\_N

ClientSampleId :

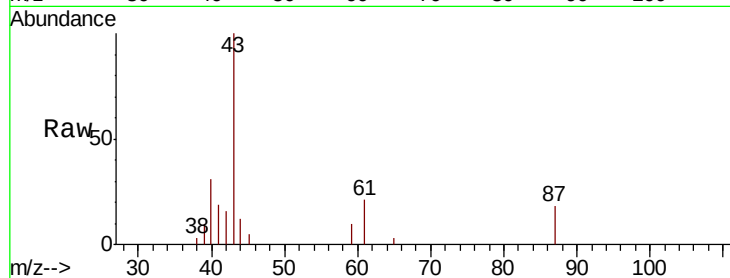
Tot Ion: 43 Resp: 12711

Ion Ratio Lower Upper

43 100

61 21.2 16.6 25.0

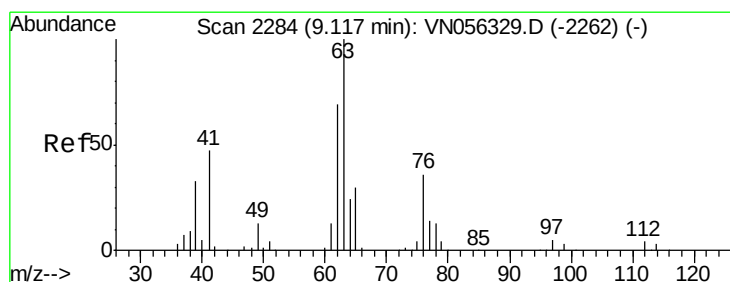
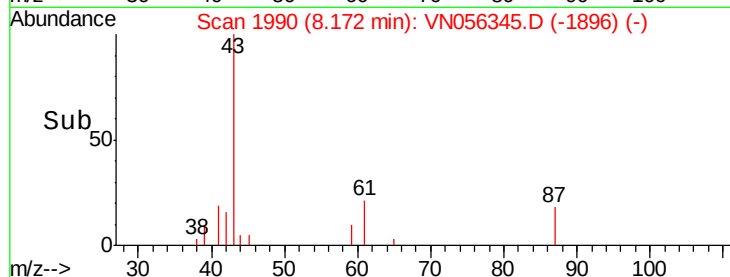
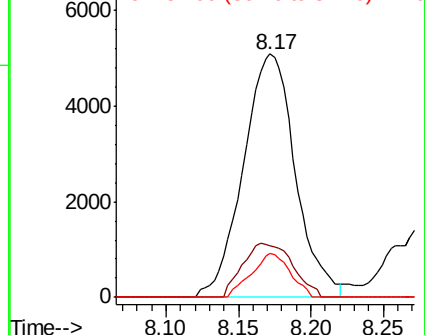
87 13.5 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.396 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN056345.D

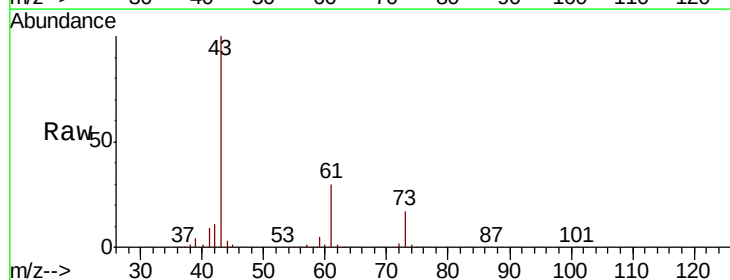
Acq: 17 Jun 2019 17:09

Tgt Ion: 63 Resp: 1687

Ion Ratio Lower Upper

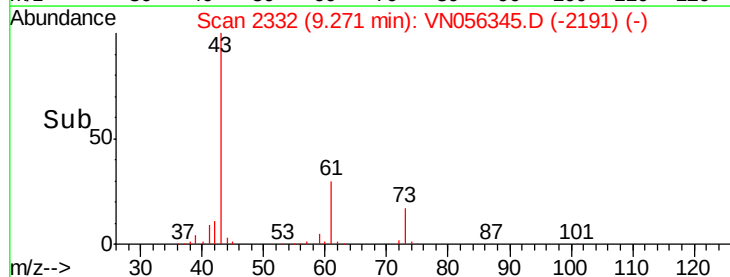
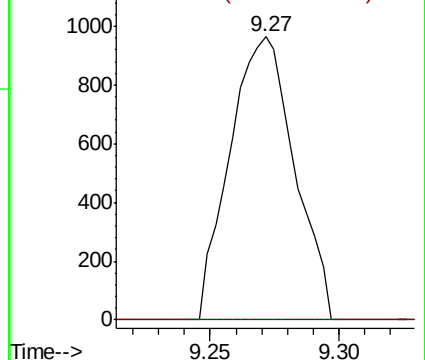
63 100

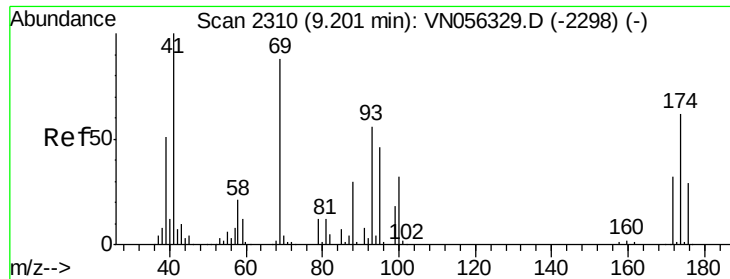
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

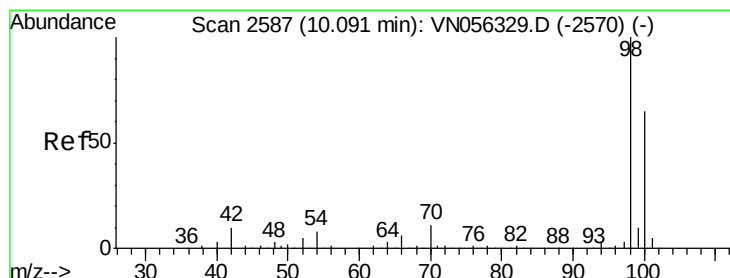
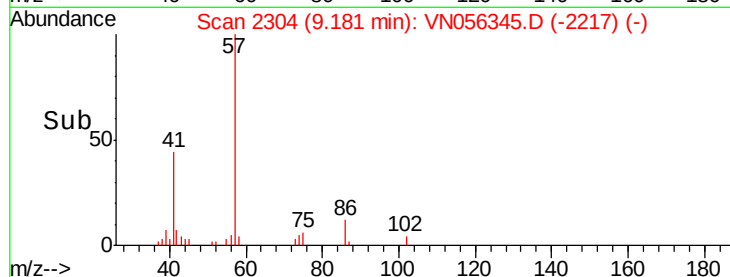
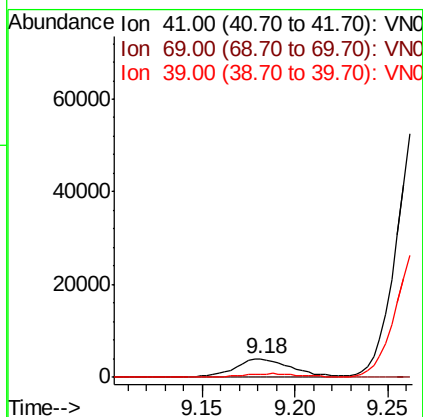
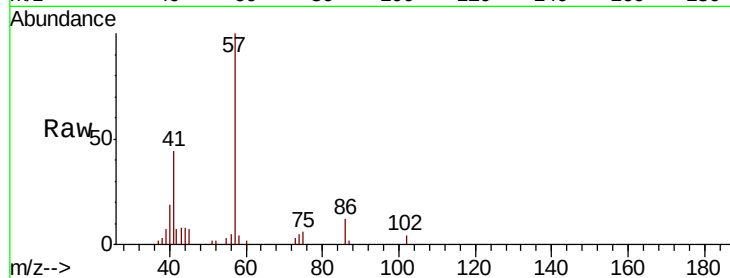




#48  
Methvl methacrylate  
Concen: 2.073 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.02 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

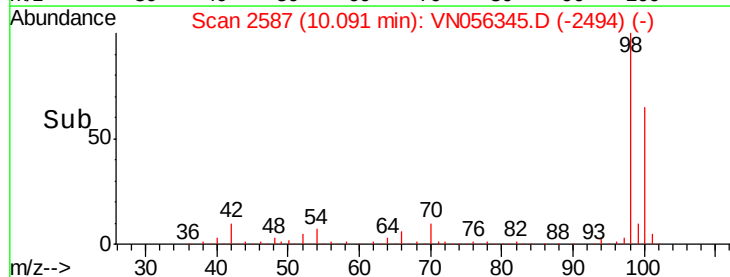
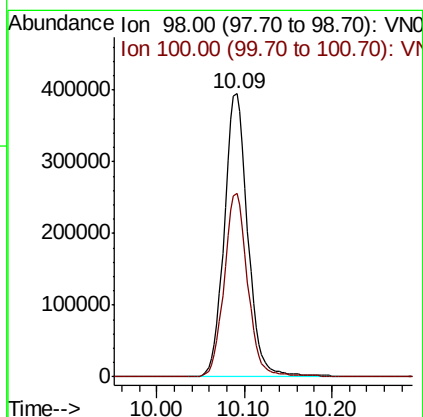
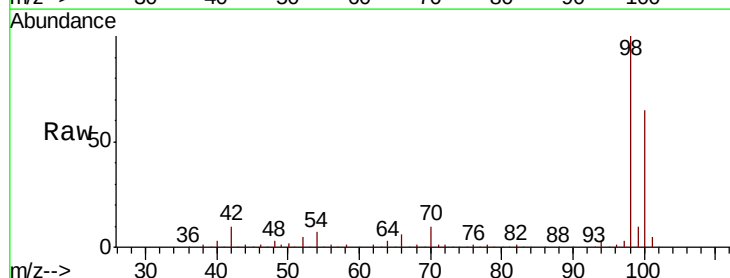
Instrument :  
MSVOA\_N  
ClientSampleId :

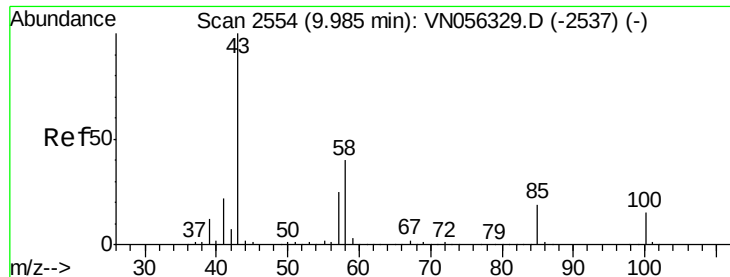
Tot Ion: 41 Resp: 8434  
Ion Ratio Lower Upper  
41 100  
69 0.0 71.0 106.6#  
39 0.0 41.7 62.5#



#50  
Toluene-d8  
Concen: 51.076 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN056345.D  
Acq: 17 Jun 2019 17:09

Tgt Ion: 98 Resp: 739742  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.931 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

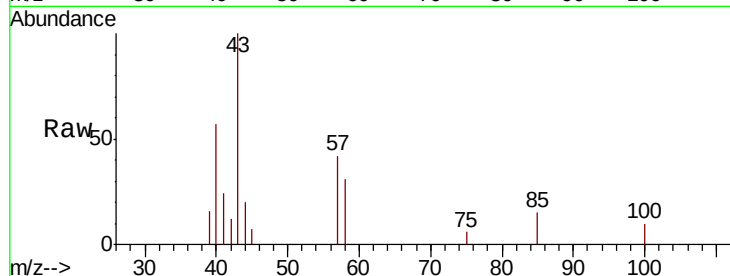
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 4786

Ion Ratio Lower Upper

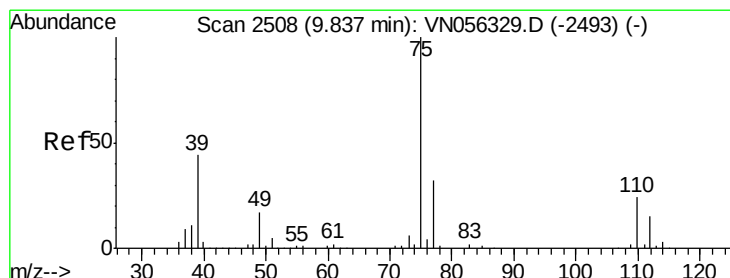
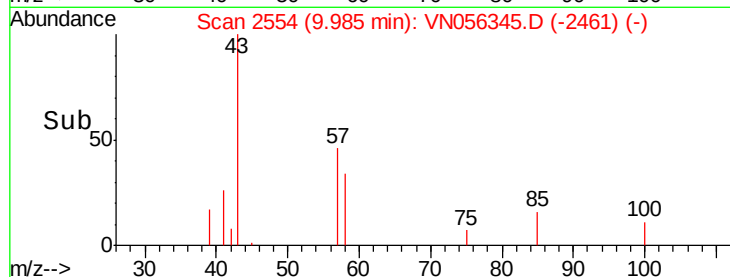
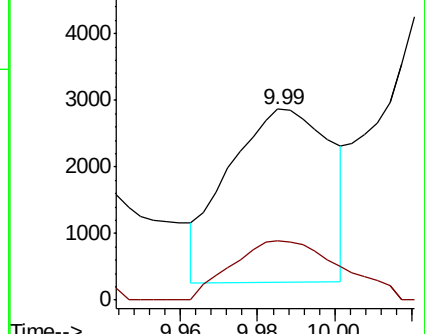
43 100

58 36.5 31.8 47.6



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: 8.874 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

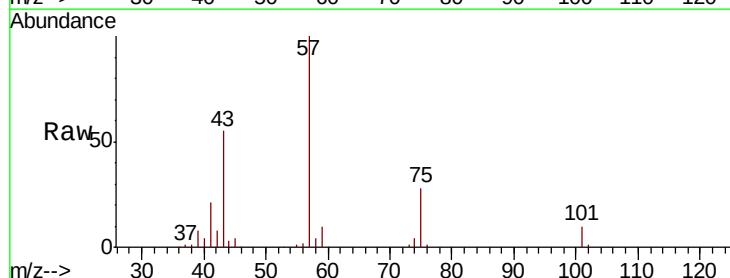
Tgt Ion: 75 Resp: 55030

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

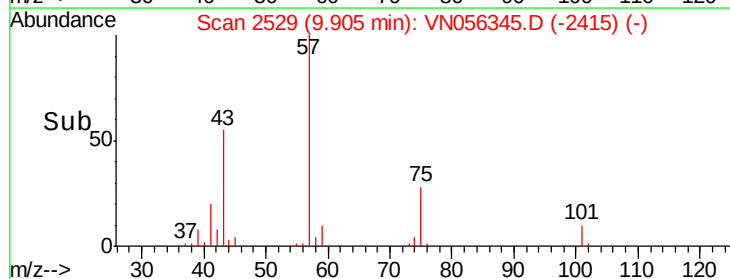
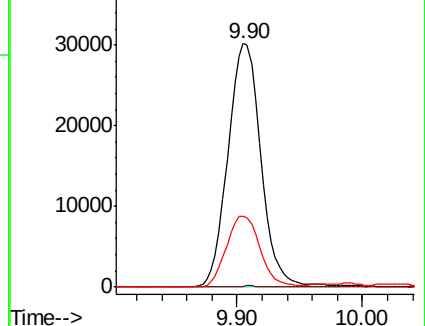
39 29.3 35.4 53.0#

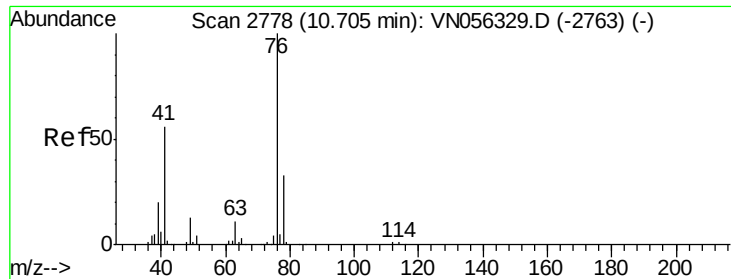


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.799 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

Instrument :

MSVOA\_N

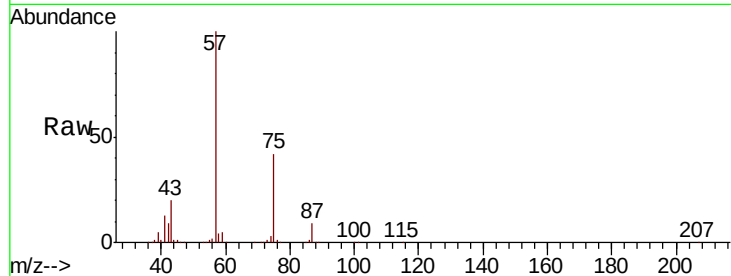
ClientSampleId :

Tot Ion: 76 Resp: 12267

Ion Ratio Lower Upper

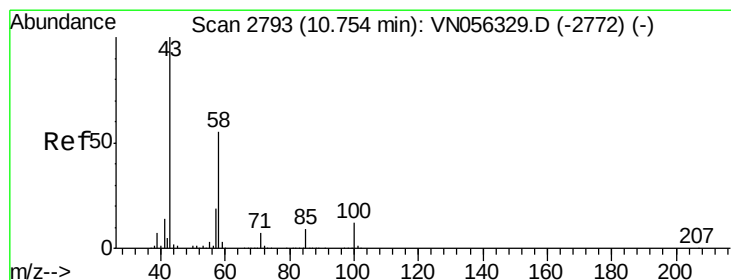
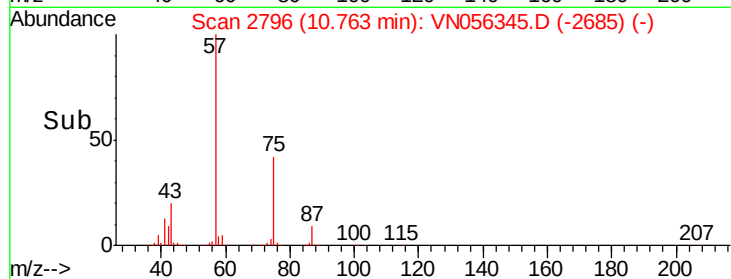
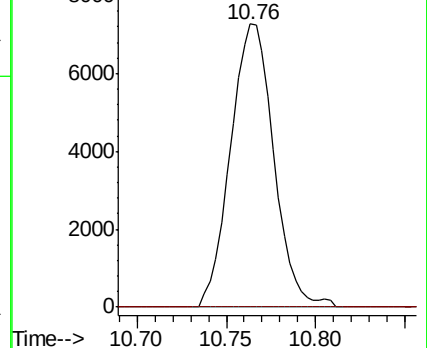
76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 43.681 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN056345.D

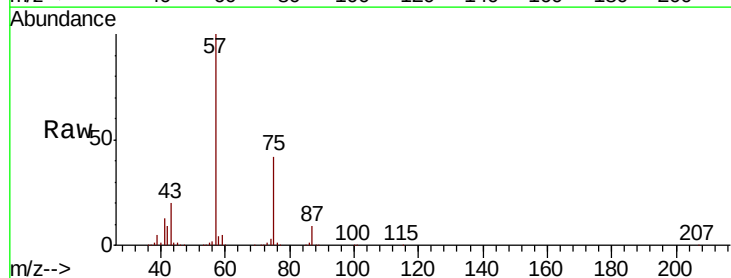
Acq: 17 Jun 2019 17:09

Tgt Ion: 43 Resp: 166516

Ion Ratio Lower Upper

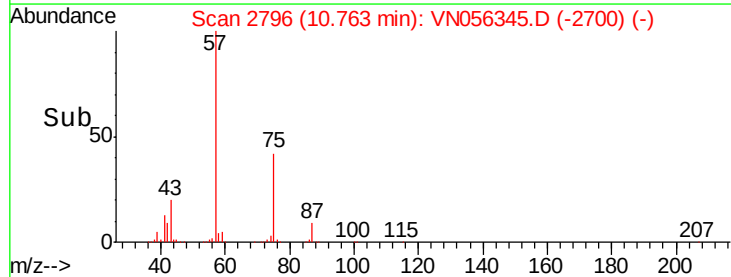
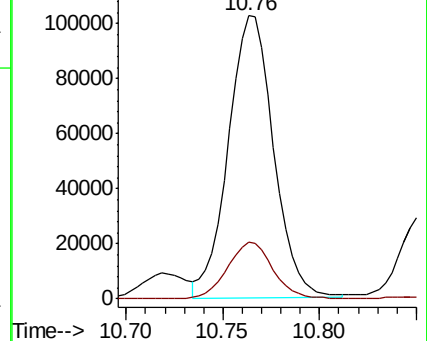
43 100

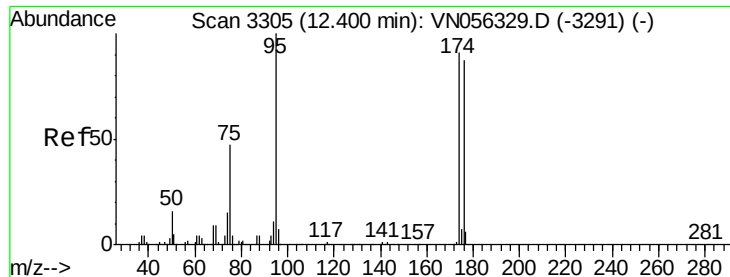
58 20.2 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.573 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

Instrument :

MSVOA\_N

ClientSampleId :

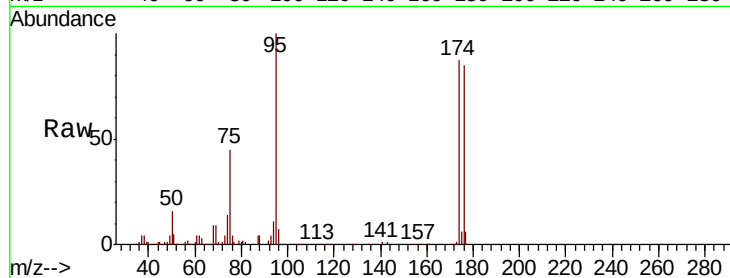
Tot Ion: 95 Resp: 252316

Ion Ratio Lower Upper

95 100

174 88.7 0.0 182.6

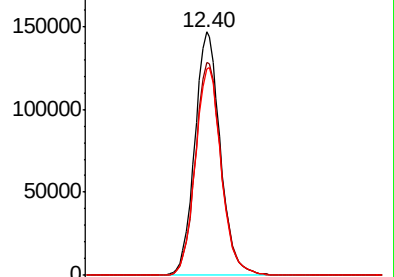
176 86.8 0.0 176.8



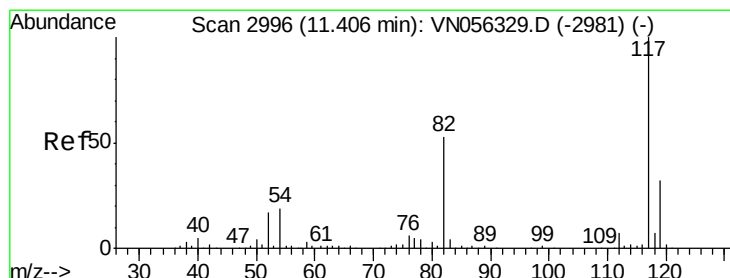
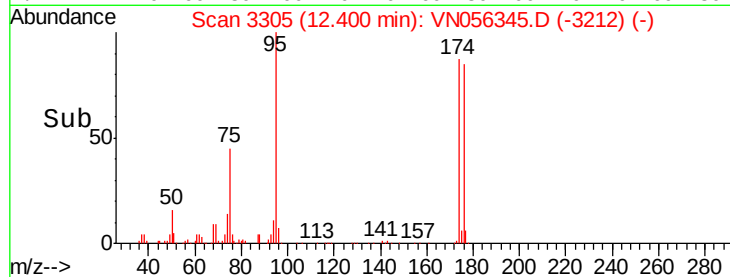
Abundance Ion 94.90 (94.60 to 95.60): VN056329.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN056329.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056329.D (-3291) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

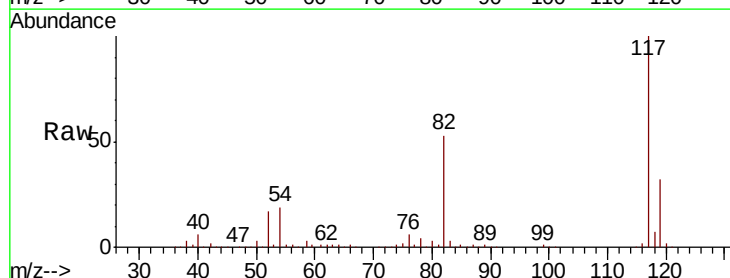
Tgt Ion: 117 Resp: 603853

Ion Ratio Lower Upper

117 100

82 52.6 42.4 63.6

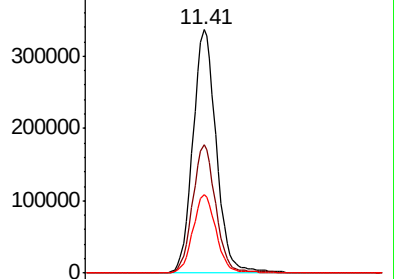
119 32.3 26.0 39.0



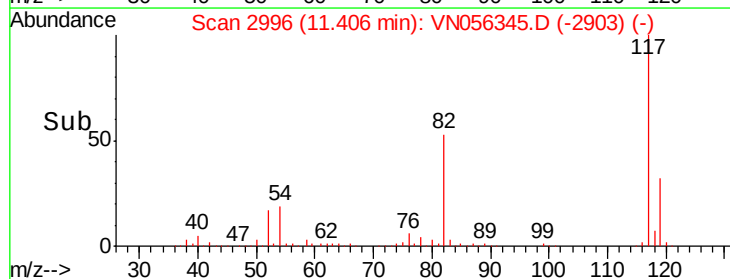
Abundance Ion 116.90 (116.60 to 117.60): VN056329.D (-2981) (-)

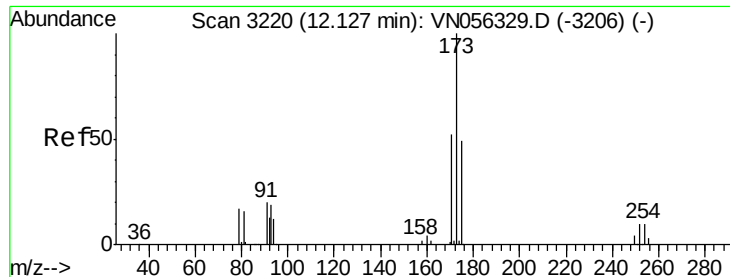
Ion 82.00 (81.70 to 82.70): VN056329.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN056329.D (-2981) (-)



Time-->





#71

Bromoform

Concen: 0.538 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

Instrument :

MSVOA\_N

ClientSampleId :

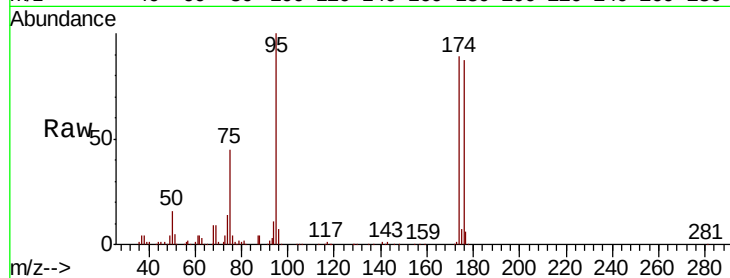
Tot Ion:173 Resp: 1914

Ion Ratio Lower Upper

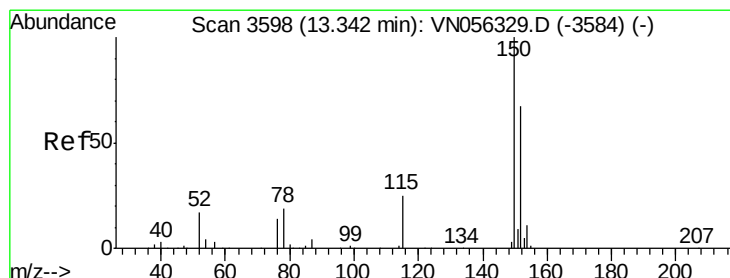
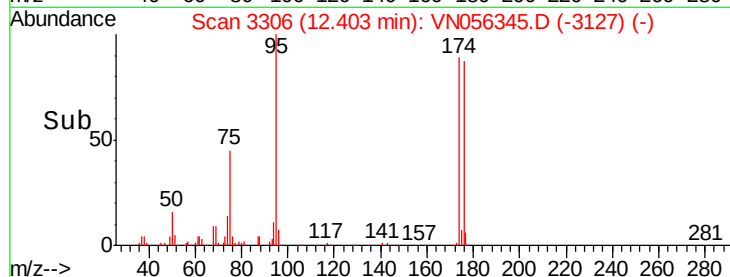
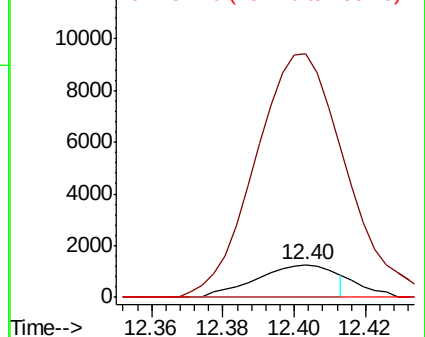
173 100

175 735.9 24.3 73.0#

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

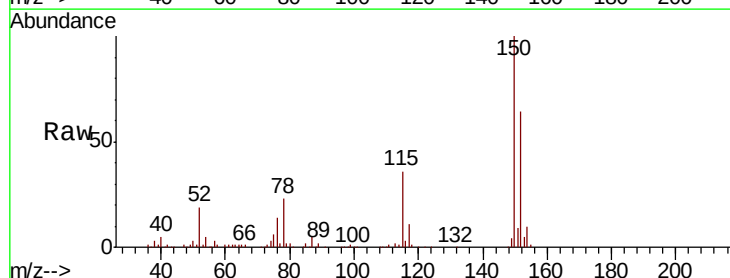
Tgt Ion:152 Resp: 193078

Ion Ratio Lower Upper

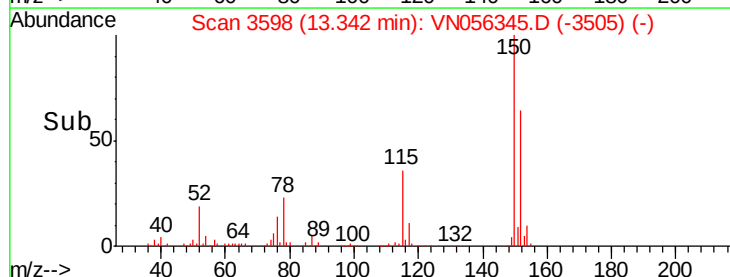
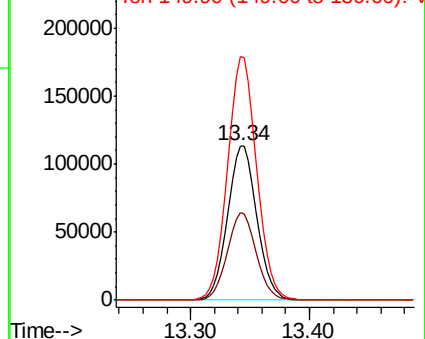
152 100

115 56.0 27.8 83.3

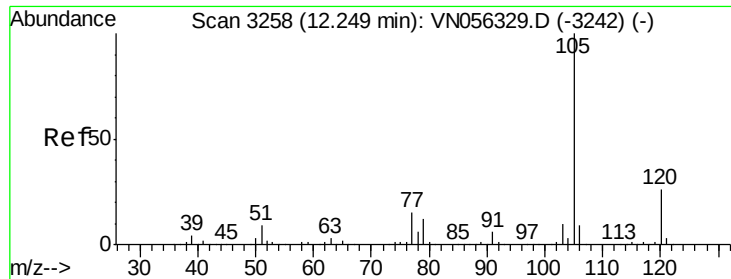
150 156.9 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

Instrument :

MSVOA\_N

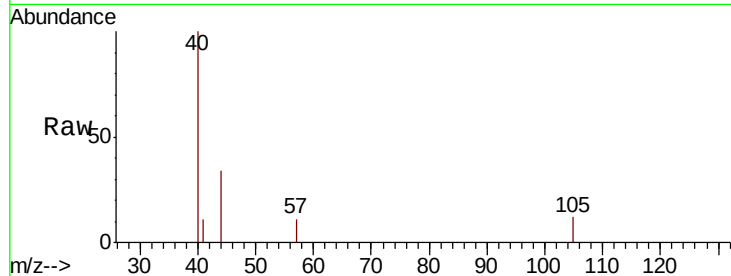
ClientSampled :

Tot Ion:105 Resp: 252

Ion Ratio Lower Upper

105 100

120 0.0 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200

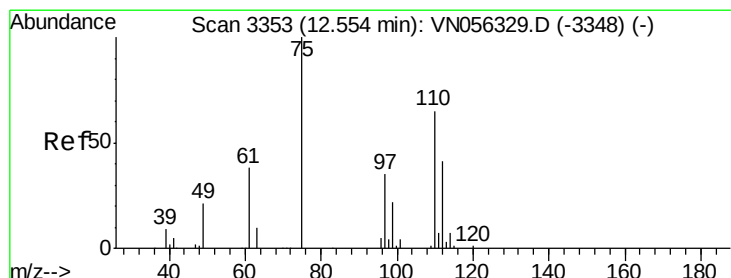
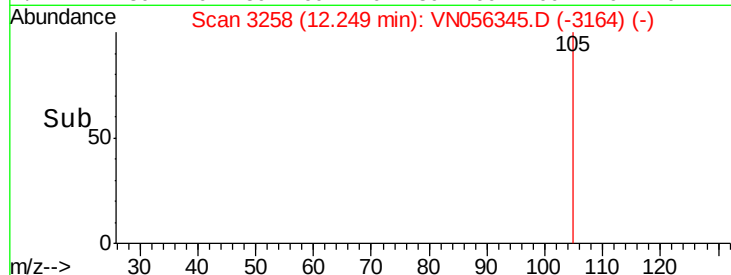
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.031 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056345.D

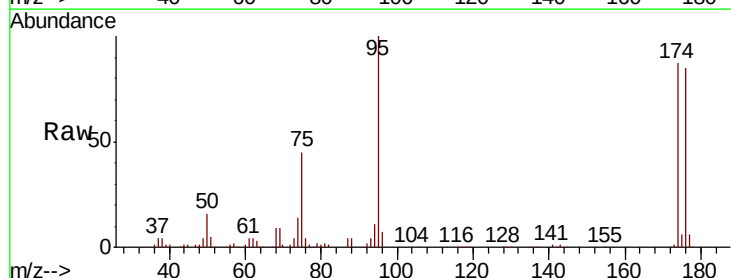
Acq: 17 Jun 2019 17:09

Tgt Ion: 75 Resp: 115633

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

12.40

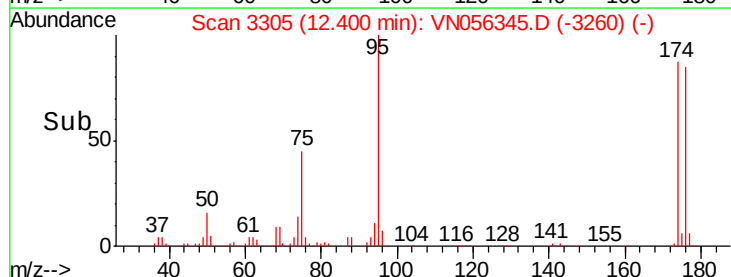
60000

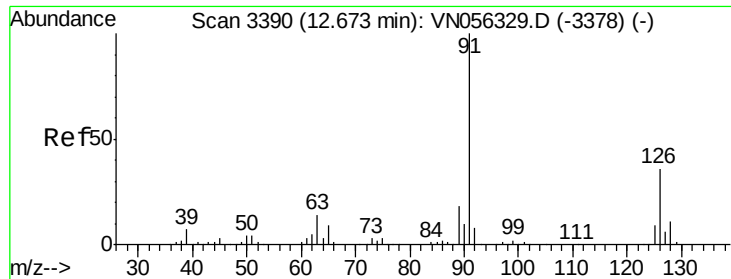
40000

20000

0

Time-->

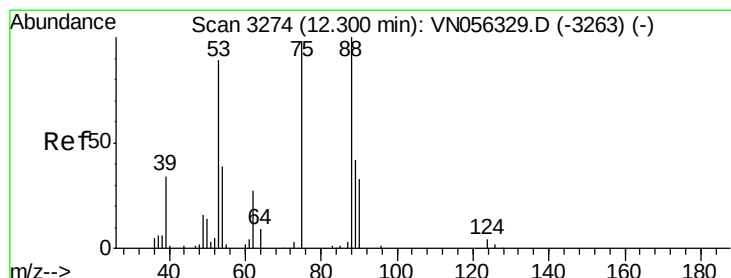
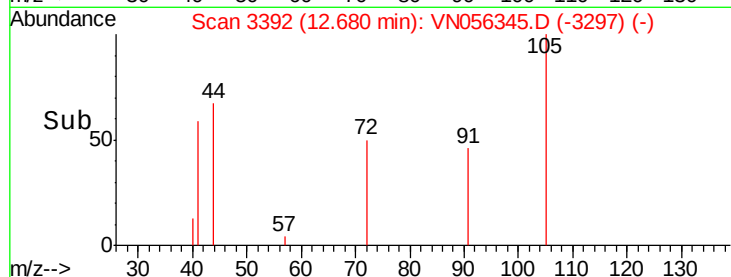
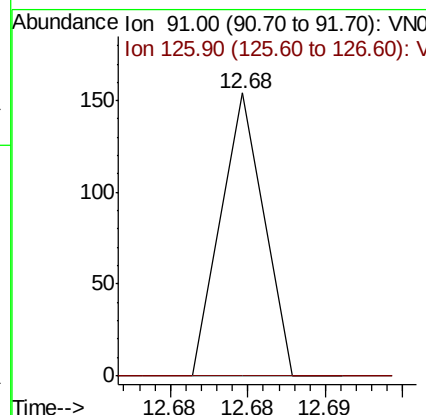
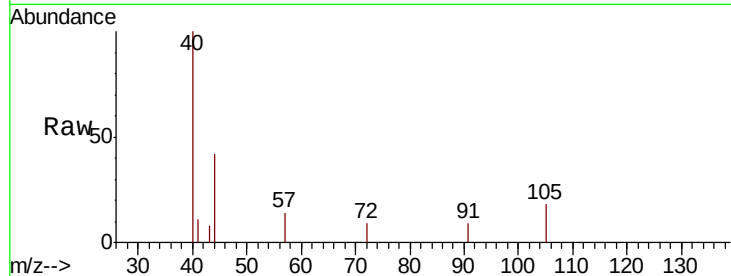




#79  
 2-Chlorotoluene  
 Concen: Below Cal  
 RT: 12.68 min Scan# 3392  
 Delta R.T. 0.01 min  
 Lab File: VN056345.D  
 Acq: 17 Jun 2019 17:09

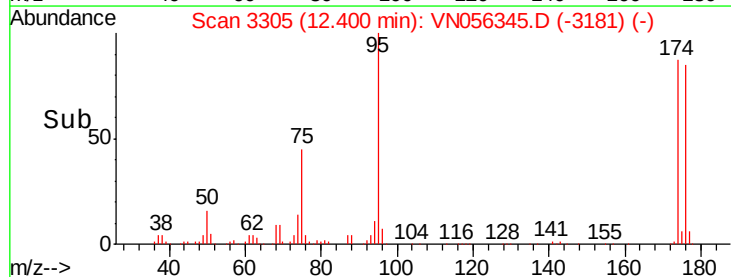
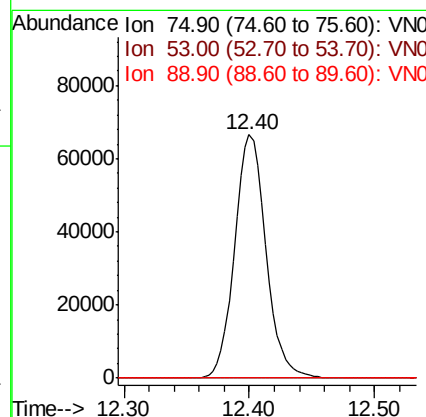
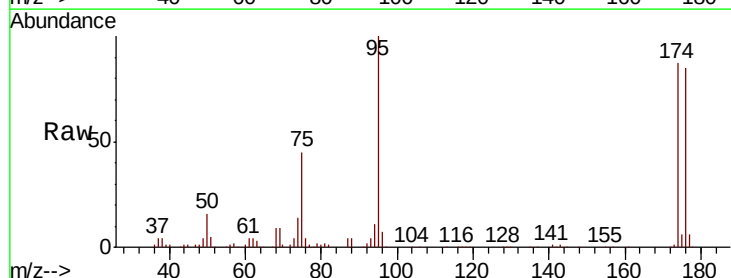
Instrument :  
 MSVOA\_N  
 ClientSampled :

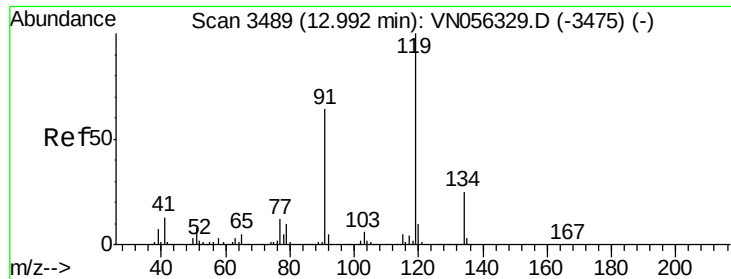
Tot Ion: 91 Resp: 30  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 18.0 54.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 87.090 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN056345.D  
 Acq: 17 Jun 2019 17:09

Tgt Ion: 75 Resp: 115633  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 73.5 110.3#  
 89 0.0 35.4 53.2#

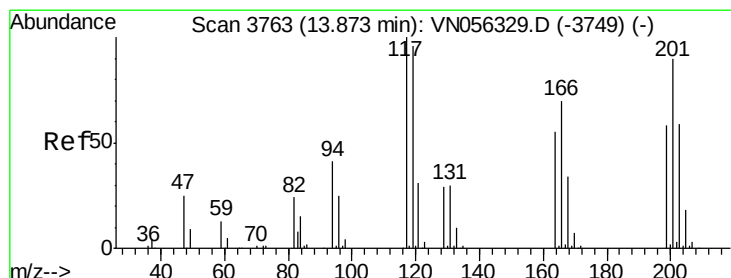
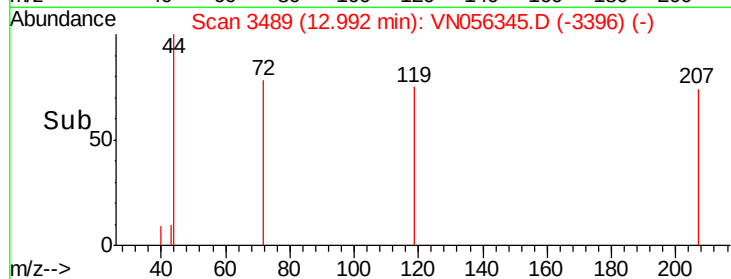
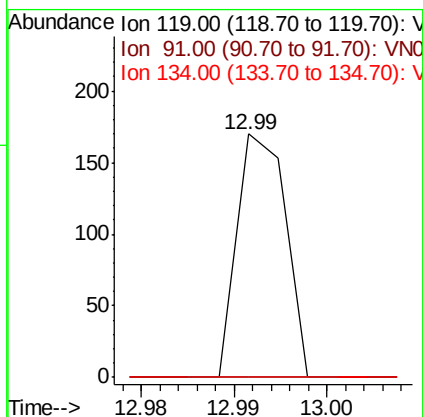
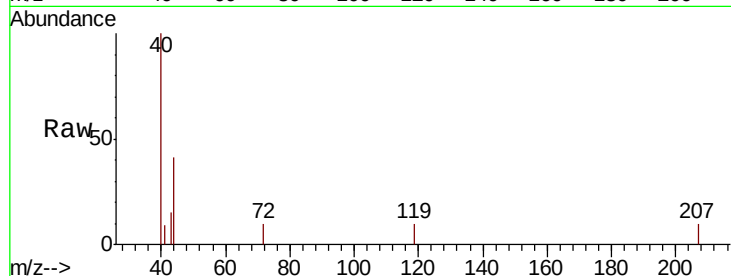




#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN056345.D  
 Acq: 17 Jun 2019 17:09

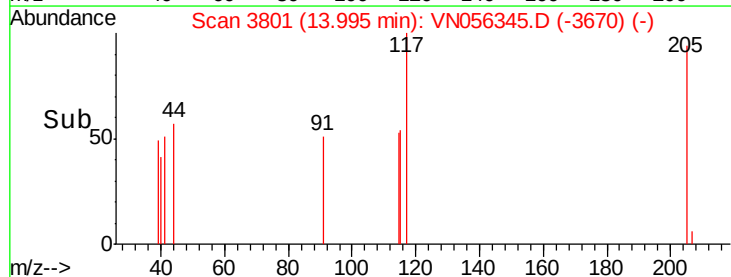
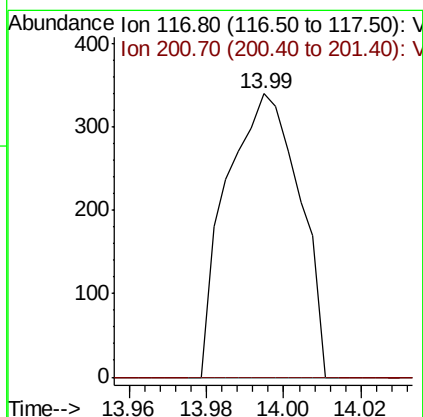
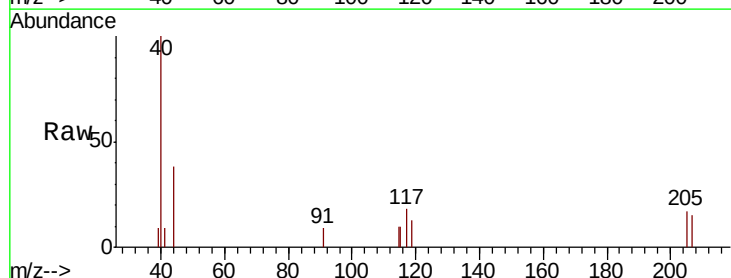
Instrument :  
 MSVOA\_N  
 ClientSampleId :

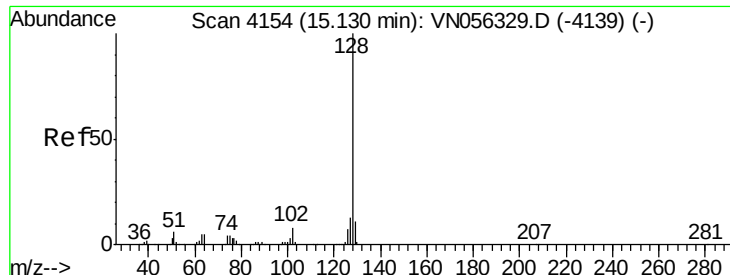
Tot Ion:119 Resp: 62  
 Ion Ratio Lower Upper  
 119 100  
 91 0.0 31.5 94.5#  
 134 0.0 13.6 40.7#



#90  
 Hexachloroethane  
 Concen: Below Cal  
 RT: 13.99 min Scan# 3801  
 Delta R.T. 0.12 min  
 Lab File: VN056345.D  
 Acq: 17 Jun 2019 17:09

Tgt Ion:117 Resp: 443  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 45.8 137.3#





#95

Naphthalene

Concen: 5.106 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

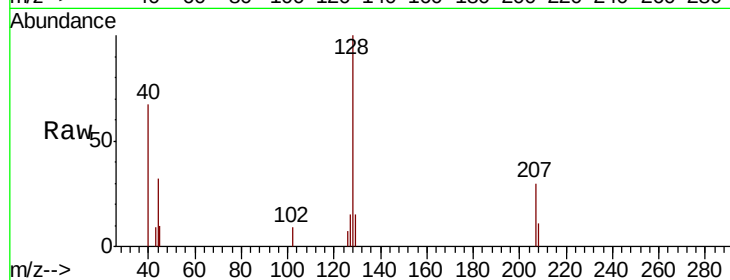
Lab File: VN056345.D

Acq: 17 Jun 2019 17:09

Instrument :

MSVOA\_N

ClientSampleId :



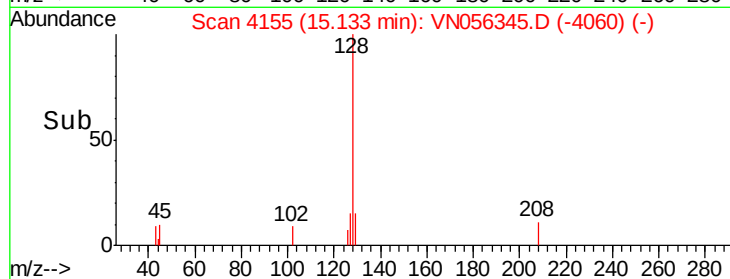
Tot Ion:128 Resp: 4341

Ion Ratio Lower Upper

128 100

127 11.8 10.6 15.8

129 11.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

