

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\  
 Data File : VN056364.D  
 Acq On : 18 Jun 2019 14:32  
 Operator : JC/SP  
 Sample : K3421-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

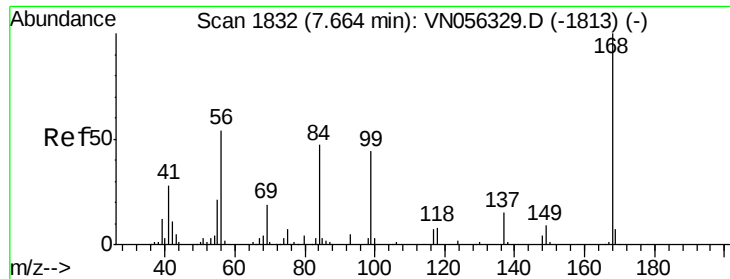
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 19 02:00:18 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          | 7.67   | 168  | 343680   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.59   | 114  | 582687   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.41  | 117  | 601854   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.35  | 152  | 192142   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.03   | 65   | 201829   | 52.23     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 104.46% |          |
| 35) Dibromofluoromethane       | 7.59   | 113  | 173726   | 46.49     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 92.98%  |          |
| 50) Toluene-d8                 | 10.09  | 98   | 739022   | 51.77     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 103.54% |          |
| 62) 4-Bromofluorobenzene       | 12.40  | 95   | 247806   | 52.39     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 104.78% |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 14) Allyl chloride             | 4.54   | 41   | 1606     | 0.300     | ug/l #  | 27       |
| 16) Acetone                    | 3.82   | 43   | 6554     | 3.069     | ug/l    | 99       |
| 18) Methyl Acetate             | 4.34   | 43   | 5616     | Below Cal | #       | 86       |
| 20) Methylene Chloride         | 4.54   | 84   | 39669    | 10.521    | ug/l    | 98       |
| 25) 2-Butanone                 | 6.86   | 43   | 648      | 0.250     | ug/l #  | 48       |
| 29) Tetrahydrofuran            | 7.23   | 42   | 861      | 0.560     | ug/l #  | 44       |
| 30) Chloroform                 | 7.37   | 83   | 2081     | 0.339     | ug/l    | 98       |
| 31) Cyclohexane                | 7.66   | 56   | 5802     | 0.974     | ug/l #  | 5        |
| 36) 1,1-Dichloropropene        | 7.66   | 75   | 23344    | 4.452     | ug/l #  | 48       |
| 38) Carbon Tetrachloride       | 7.67   | 117  | 29426    | 5.847     | ug/l #  | 15       |
| 43) Isopropyl Acetate          | 8.17   | 43   | 13611    | 1.712     | ug/l    | 95       |
| 45) 1,2-Dichloropropane        | 9.27   | 63   | 1775     | 0.422     | ug/l #  | 44       |
| 48) Methyl methacrylate        | 9.18   | 41   | 8419     | 2.099     | ug/l #  | 13       |
| 51) 4-Methyl-2-Pentanone       | 9.98   | 43   | 3419     | 0.675     | ug/l    | 93       |
| 54) cis-1,3-Dichloropropene    | 9.90   | 75   | 53399    | 8.736     | ug/l #  | 63       |
| 57) 1,3-Dichloropropane        | 10.76  | 76   | 12629    | 1.879     | ug/l #  | 42       |
| 59) 2-Hexanone                 | 10.76  | 43   | 169431   | 45.094    | ug/l #  | 51       |
| 60) Dibromochloromethane       | 10.63  | 129  | 1990     | 0.476     | ug/l #  | 11       |
| 64) Tetrachloroethene          | 10.63  | 164  | 2067     | 0.419     | ug/l    | 93       |
| 71) Bromoform                  | 12.41  | 173  | 1735     | 0.489     | ug/l #  | 1        |
| 73) Isopropylbenzene           | 12.26  | 105  | 245      | Below Cal | #       | 48       |
| 74) N-amyl acetate             | 11.88  | 43   | 16133    | 2.672     | ug/l #  | 51       |
| 76) 1,2,3-Trichloropropane     | 12.40  | 75   | 115942   | 28.243    | ug/l #  | 100      |
| 79) 2-Chlorotoluene            | 12.67  | 91   | 97       | Below Cal | #       | 39       |
| 80) 1,3,5-Trimethylbenzene     | 12.73  | 105  | 5088     | 0.380     | ug/l    | 94       |
| 81) trans-1,4-Dichloro-2-buten | 12.40  | 75   | 115942   | 87.748    | ug/l #  | 13       |
| 83) tert-Butylbenzene          | 13.04  | 119  | 280      | Below Cal | #       | 84       |
| 84) 1,2,4-Trimethylbenzene     | 13.04  | 105  | 2807     | 0.225     | ug/l    | 99       |
| 90) Hexachloroethane           | 13.94  | 117  | 219      | Below Cal | #       | 4        |
| 95) Naphthalene                | 15.13  | 128  | 21224    | 6.850     | ug/l    | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

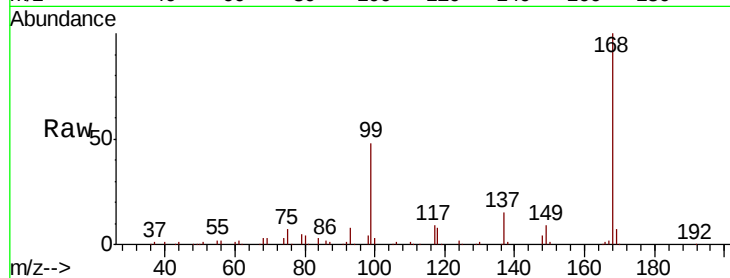
ClientSampleId :

Tot Ion:168 Resp: 343680

Ion Ratio Lower Upper

168 100

99 48.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

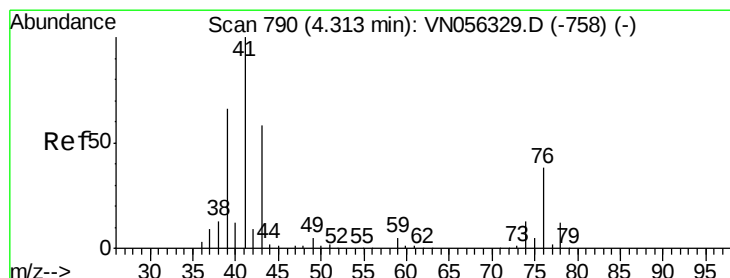
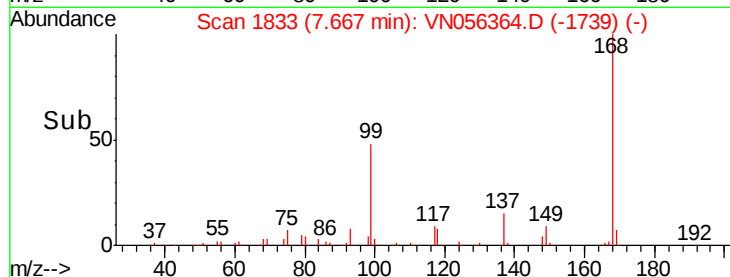
100000

50000

0

7.60 7.70 7.80

Time-->



#14

Allyl chloride

Concen: 0.300 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.23 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

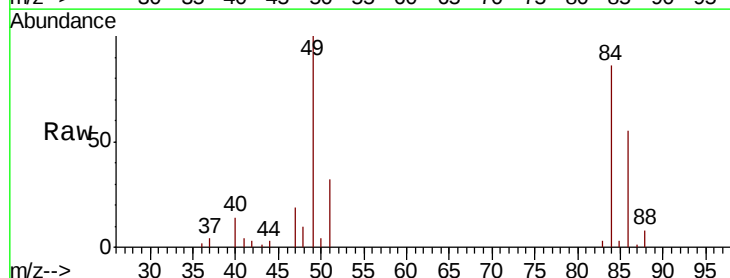
Tgt Ion: 41 Resp: 1606

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): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.54

800

600

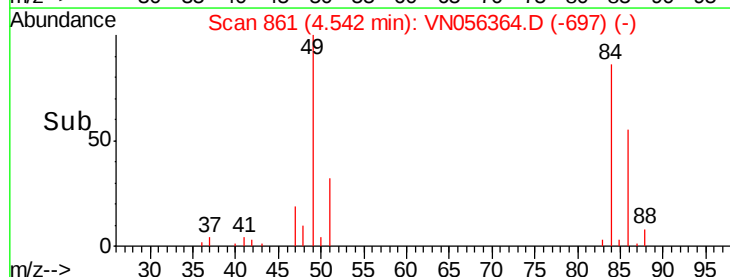
400

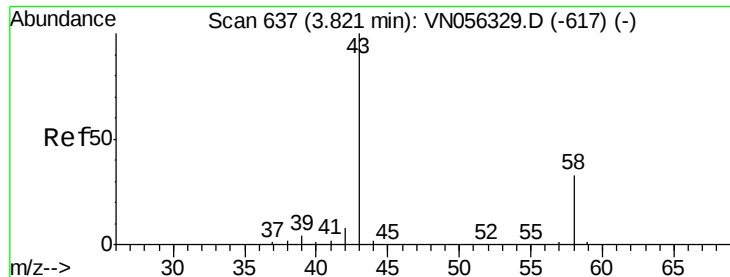
200

0

4.50 4.55

Time-->





#16

Acetone

Concen: 3.069 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

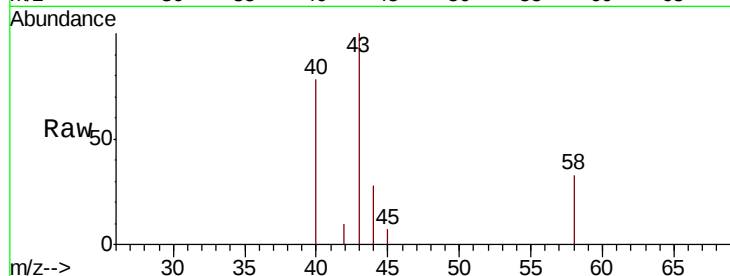
ClientSampled :

Tot Ion: 43 Resp: 6554

Ion Ratio Lower Upper

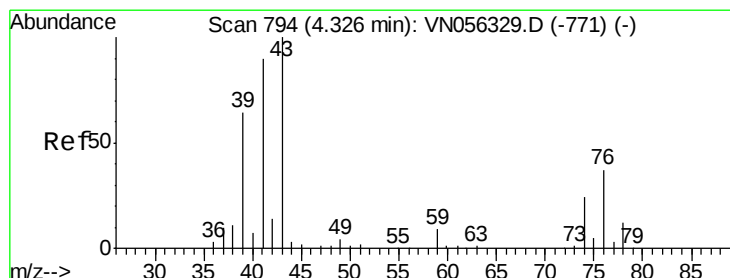
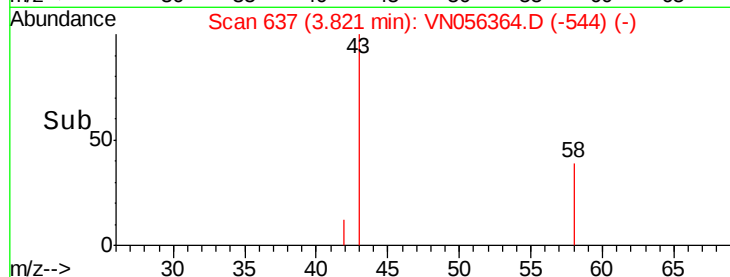
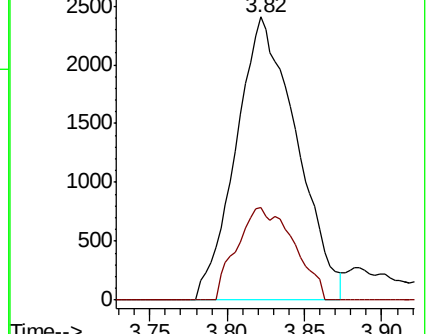
43 100

58 32.7 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: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056364.D

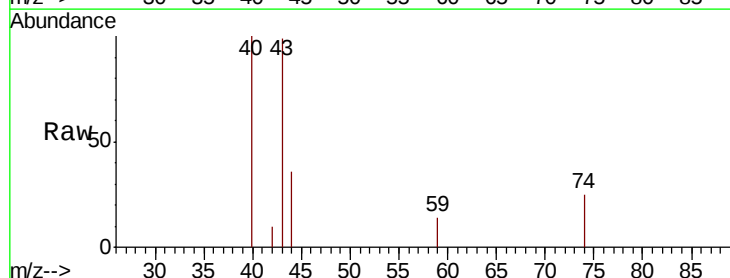
Acq: 18 Jun 2019 14:32

Tgt Ion: 43 Resp: 5616

Ion Ratio Lower Upper

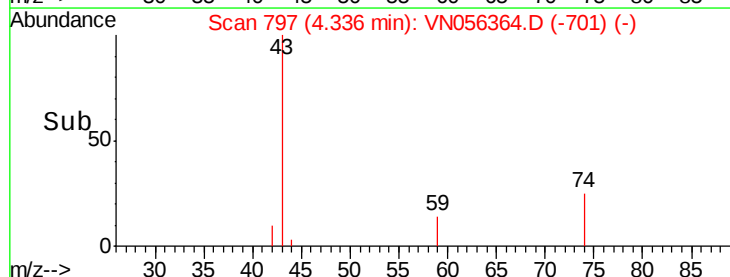
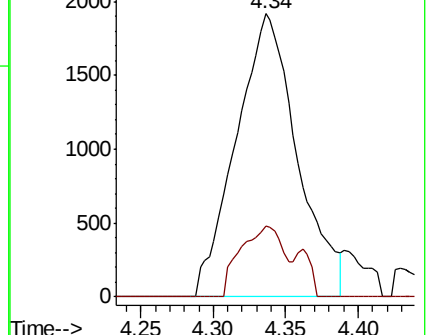
43 100

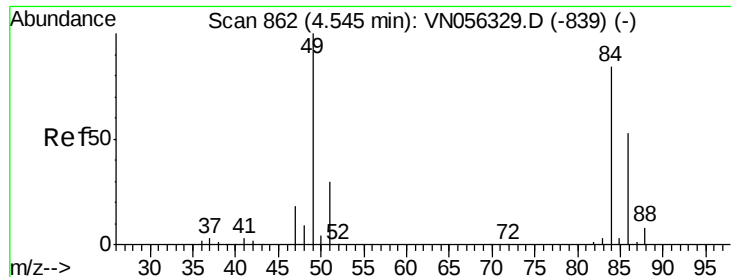
74 17.2 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

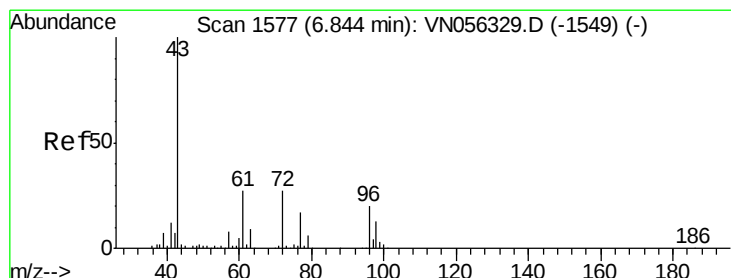
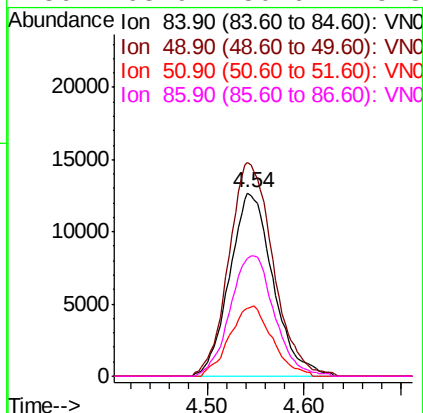
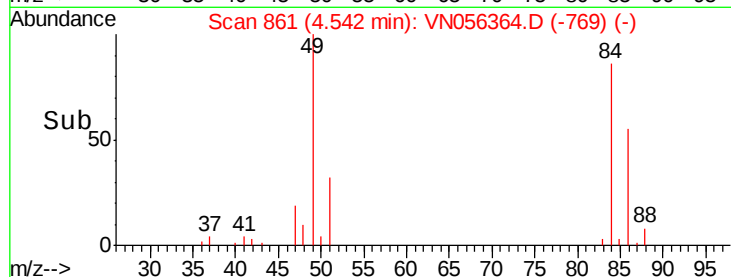
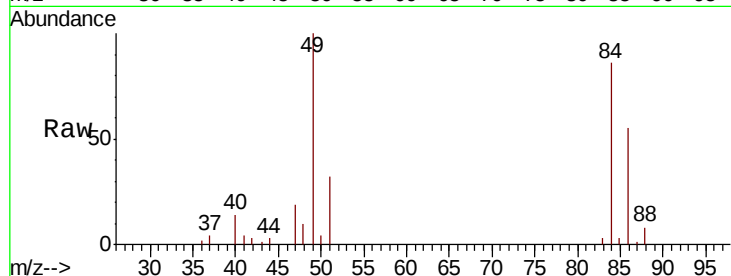




#20  
Methvlene Chloride  
Concen: 10.521 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VN056364.D  
Acq: 18 Jun 2019 14:32

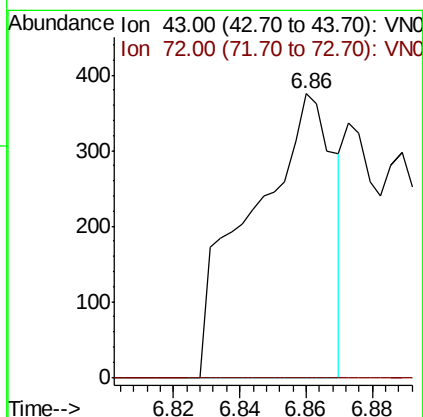
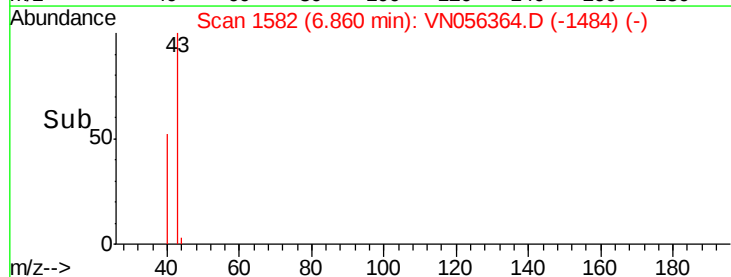
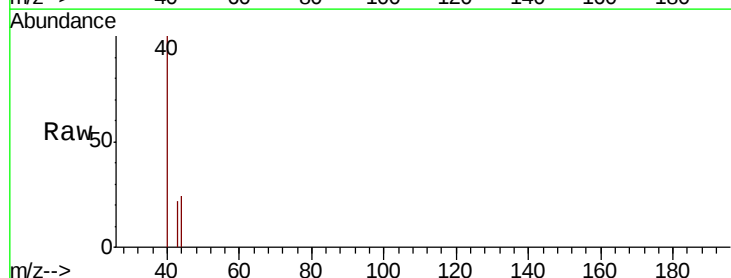
Instrument :  
MSVOA\_N  
ClientSampleId :

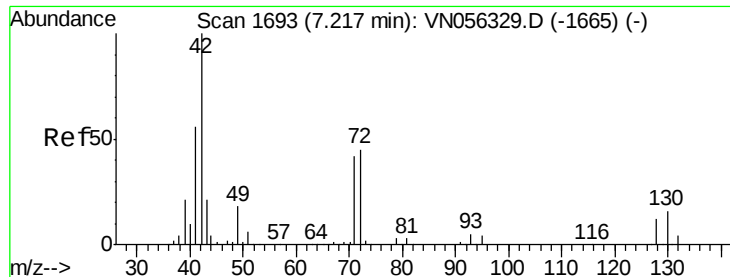
Tot Ion: 84 Resp: 39669  
Ion Ratio Lower Upper  
84 100  
49 116.4 95.0 142.6  
51 36.9 28.2 42.4  
86 63.9 50.6 75.8



#25  
2-Butanone  
Concen: 0.250 ug/l  
RT: 6.86 min Scan# 1582  
Delta R.T. 0.02 min  
Lab File: VN056364.D  
Acq: 18 Jun 2019 14:32

Tgt Ion: 43 Resp: 648  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.4 32.2#





#29

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 7.23 min Scan# 1698

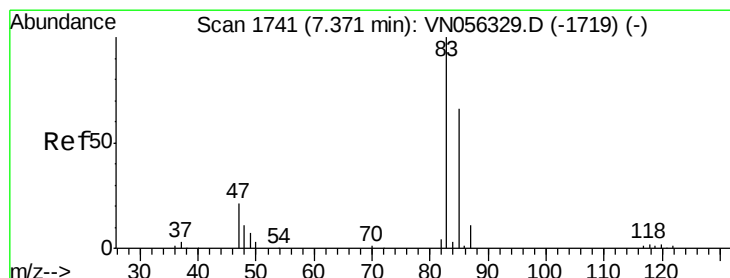
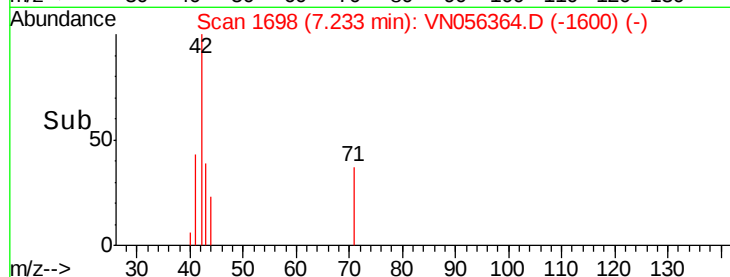
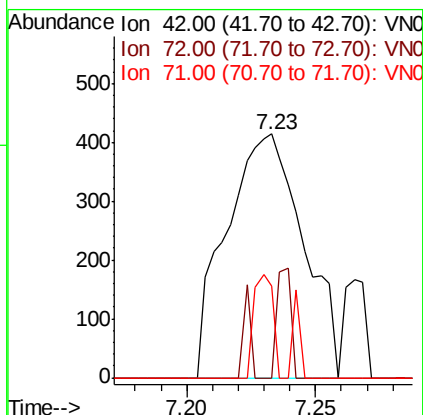
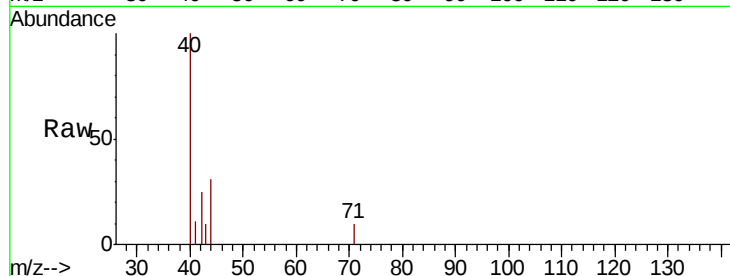
Delta R.T. 0.02 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :  
MSVOA\_N  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 861   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 3.5   | 35.3  | 52.9# |
| 71       | 10.9  | 32.7  | 49.1# |



#30

Chloroform

Concen: 0.339 ug/l

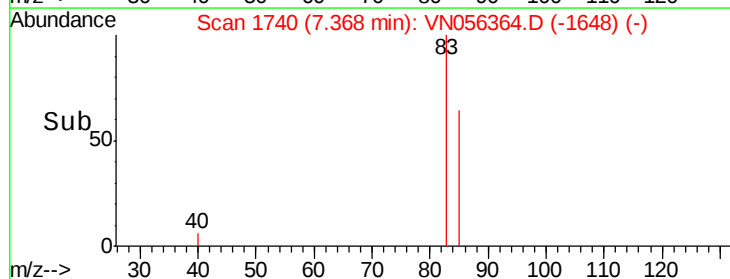
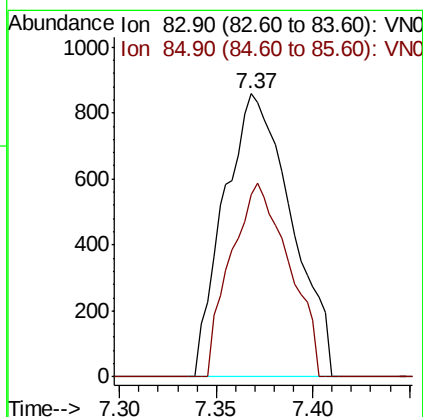
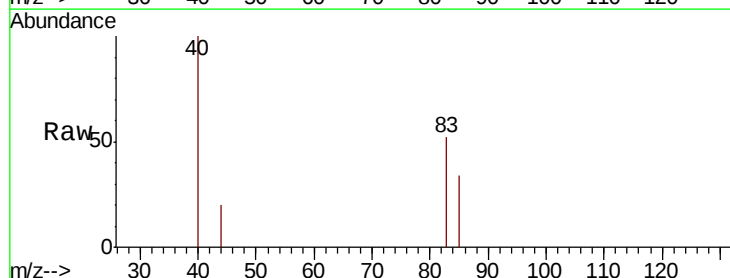
RT: 7.37 min Scan# 1740

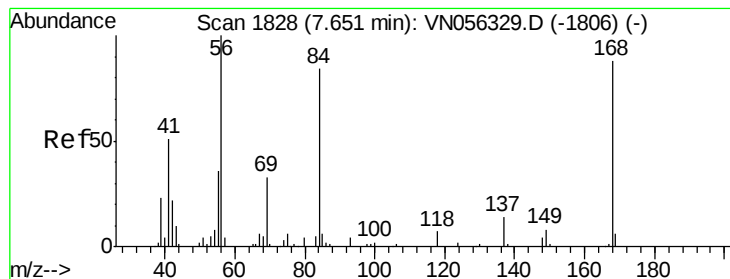
Delta R.T. -0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2081  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.2  | 52.6  | 78.8  |





#31

Cyclohexane

Concen: 0.974 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

ClientSampled :

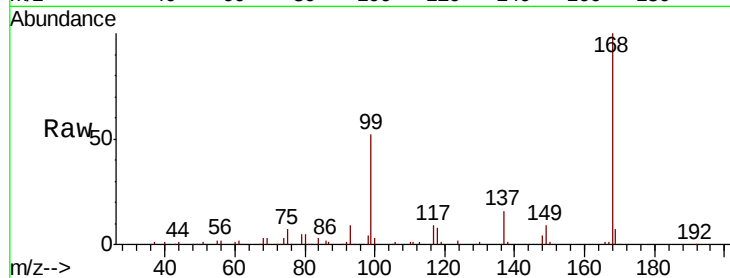
Tot Ion: 56 Resp: 5802

Ion Ratio Lower Upper

56 100

69 157.6 26.0 39.0#

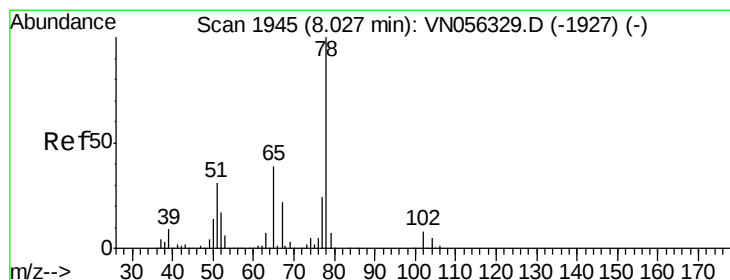
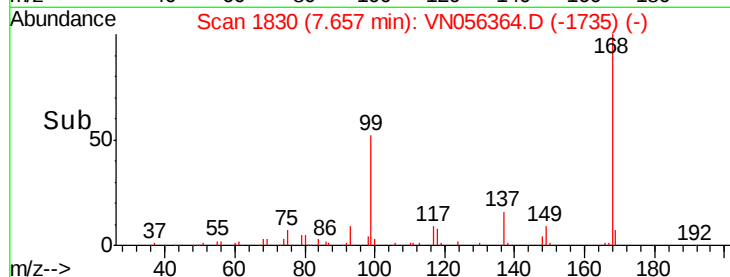
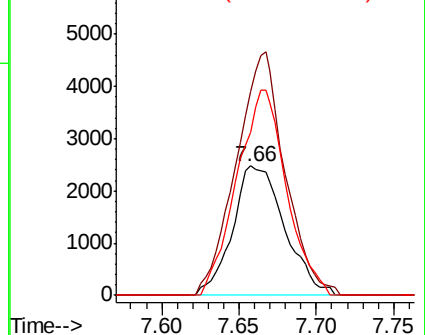
84 125.9 67.4 101.0#



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: 52.228 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056364.D

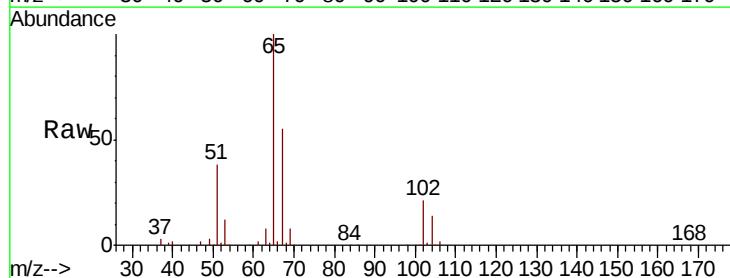
Acq: 18 Jun 2019 14:32

Tgt Ion: 65 Resp: 201829

Ion Ratio Lower Upper

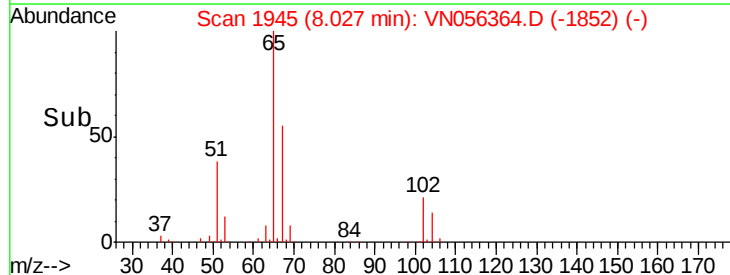
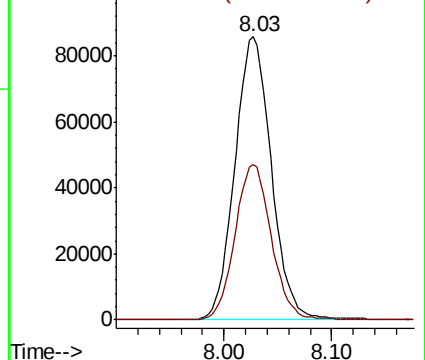
65 100

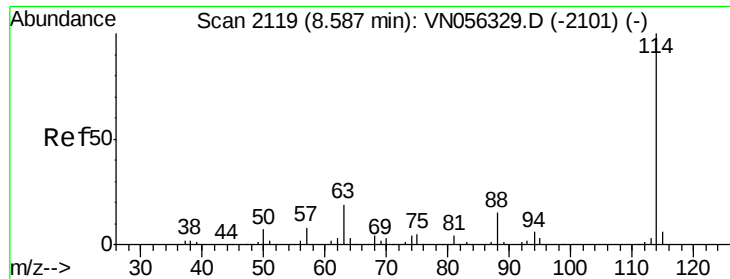
67 54.9 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

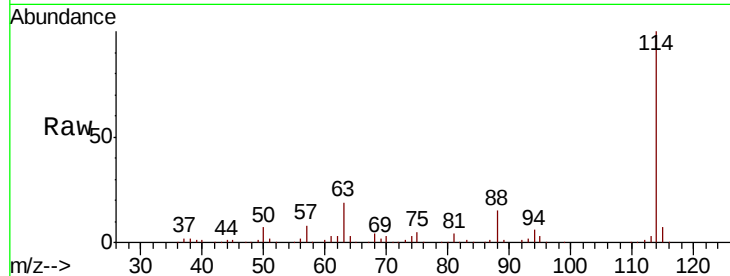




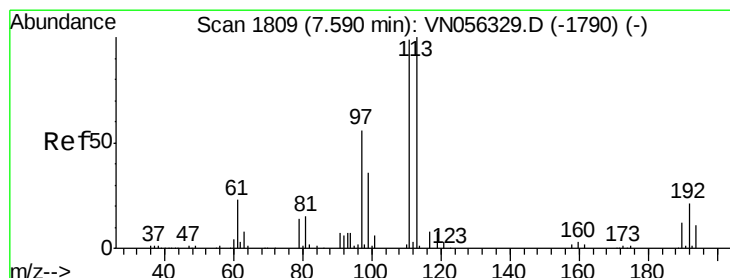
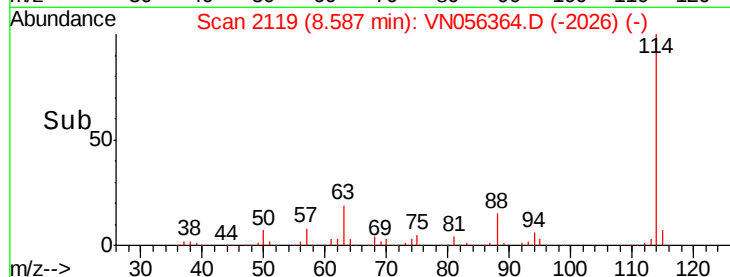
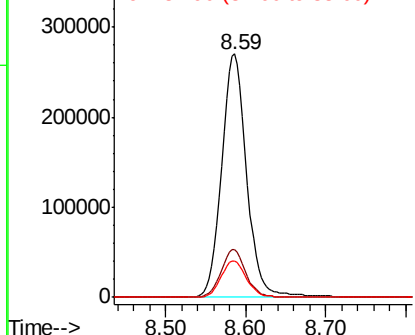
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN056364.D  
Acq: 18 Jun 2019 14:32

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:114 Resp: 582687  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 38.8  
88 15.2 0.0 30.6

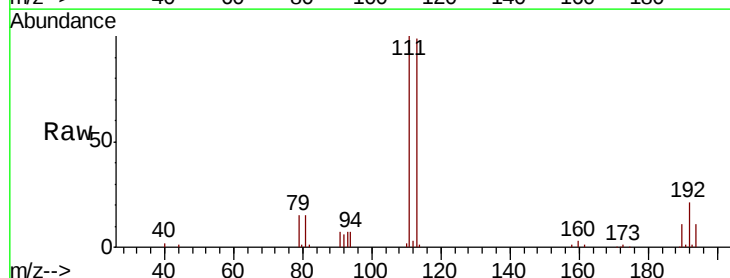


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

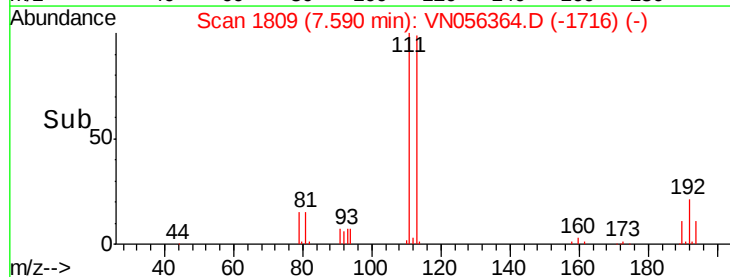
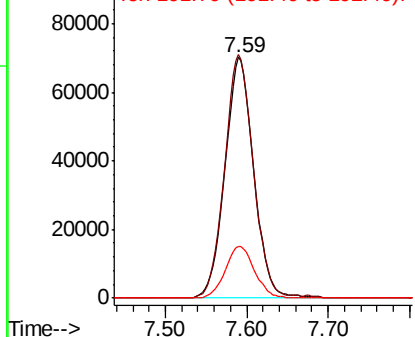


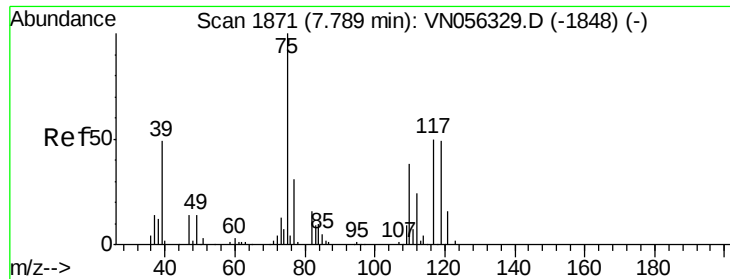
#35  
Dibromofluoromethane  
Concen: 46.492 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN056364.D  
Acq: 18 Jun 2019 14:32

Tgt Ion:113 Resp: 173726  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.1 123.1  
192 21.9 17.6 26.4



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

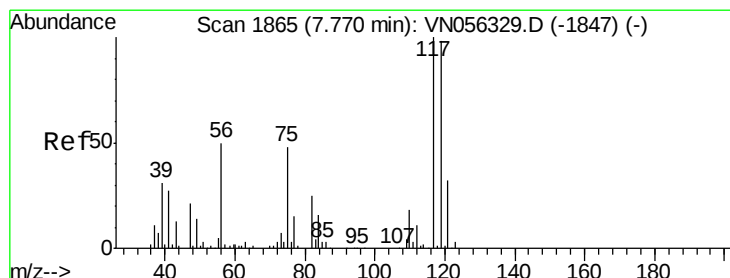
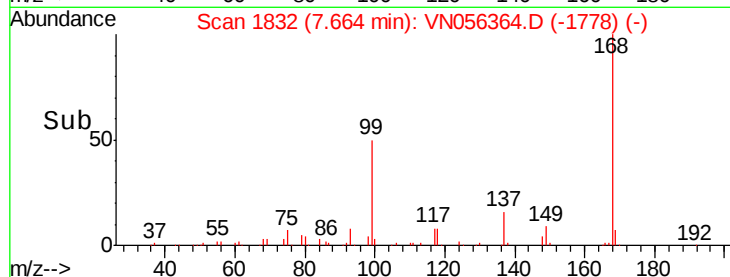
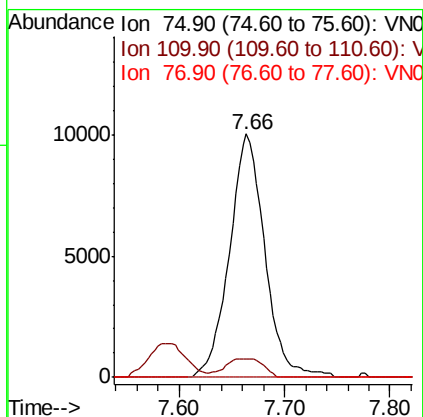
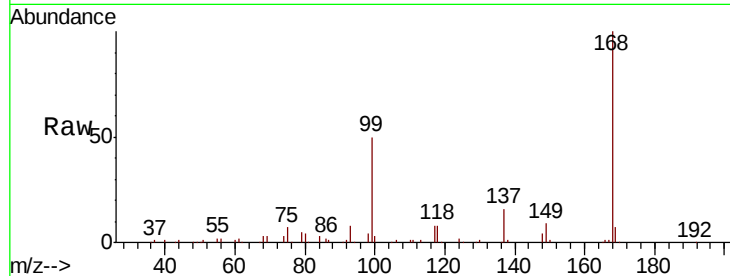




#36  
 1,1-Dichloropropene  
 Concen: 4.452 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN056364.D  
 Acq: 18 Jun 2019 14:32

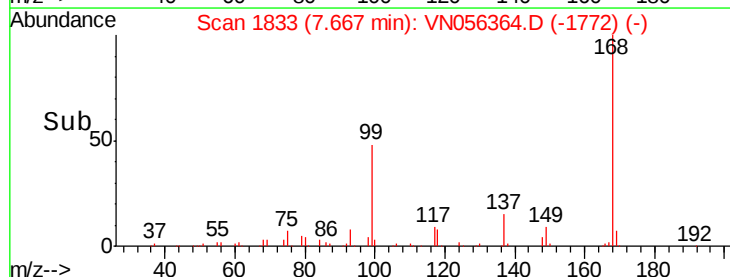
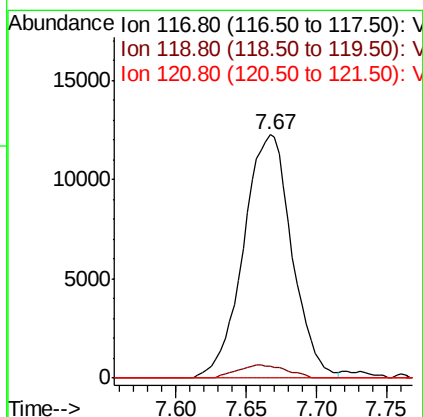
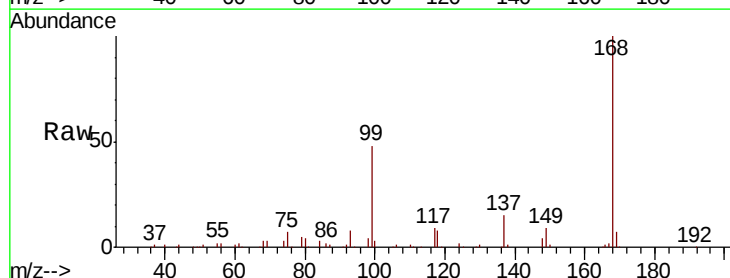
Instrument :  
 MSVOA\_N  
 ClientSampled :

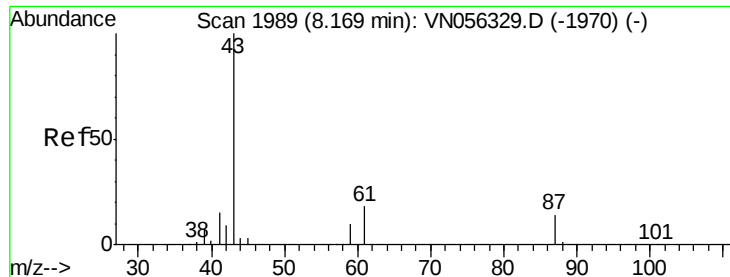
| Tot Ion   | 75  | Resp  | 23344 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 75        | 100 |       |       |
| 110       | 8.3 | 18.6  | 56.0# |
| 77        | 0.0 | 25.0  | 37.6# |



#38  
 Carbon Tetrachloride  
 Concen: 5.847 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.10 min  
 Lab File: VN056364.D  
 Acq: 18 Jun 2019 14:32

| Tgt Ion                                              | 117 | Resp  | 29426  |
|------------------------------------------------------|-----|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100 | Lower | Upper  |
| 117                                                  | 100 |       |        |
| 119                                                  | 4.7 | 77.8  | 116.8# |
| 121                                                  | 0.0 | 25.3  | 37.9#  |





#43

Isopropyl Acetate

Concen: 1.712 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

ClientSampleId :

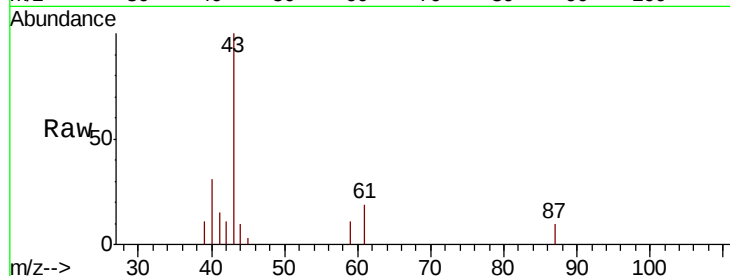
Tot Ion: 43 Resp: 13611

Ion Ratio Lower Upper

43 100

61 18.9 16.6 25.0

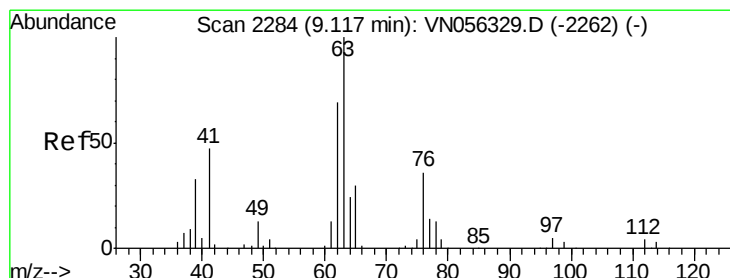
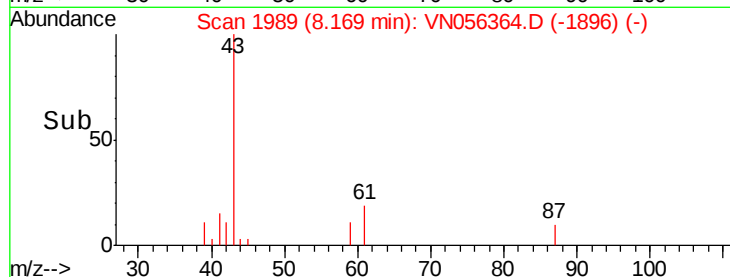
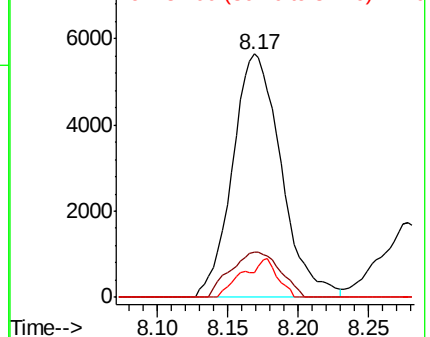
87 11.4 11.0 16.4



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: 0.422 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.16 min

Lab File: VN056364.D

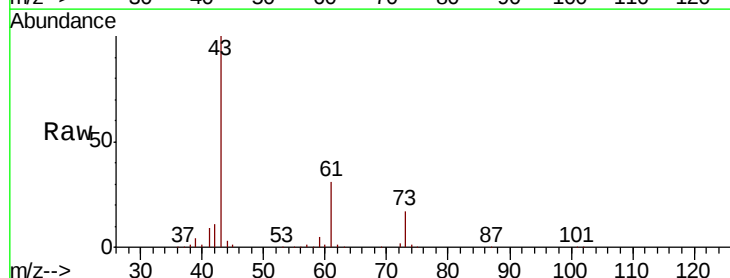
Acq: 18 Jun 2019 14:32

Tgt Ion: 63 Resp: 1775

Ion Ratio Lower Upper

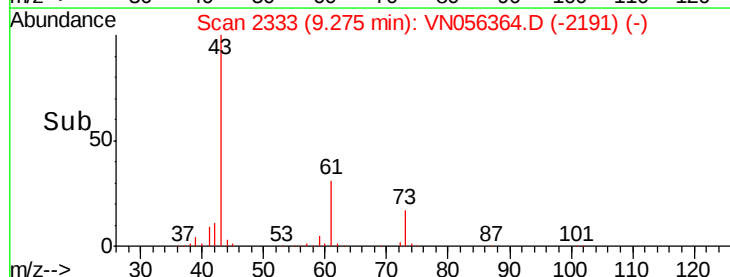
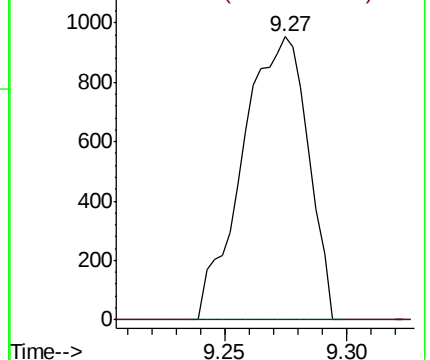
63 100

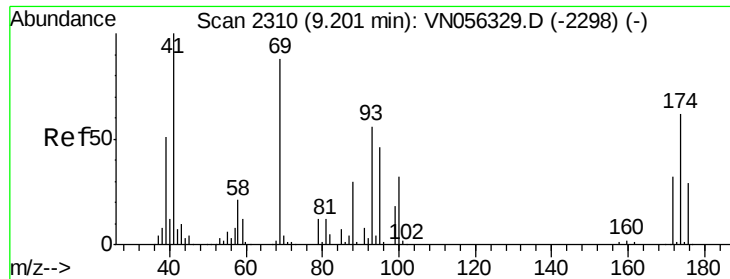
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

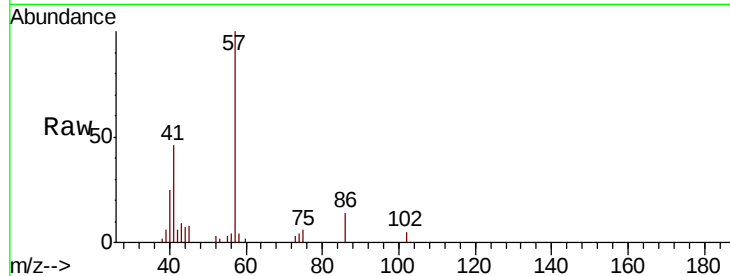




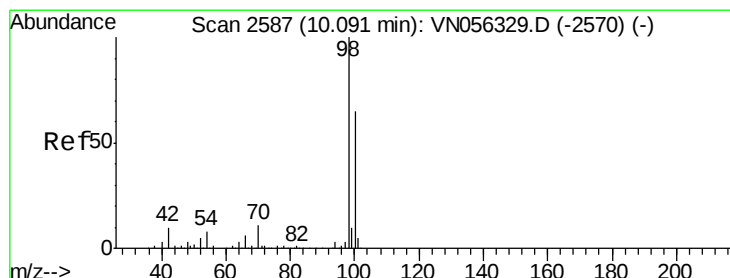
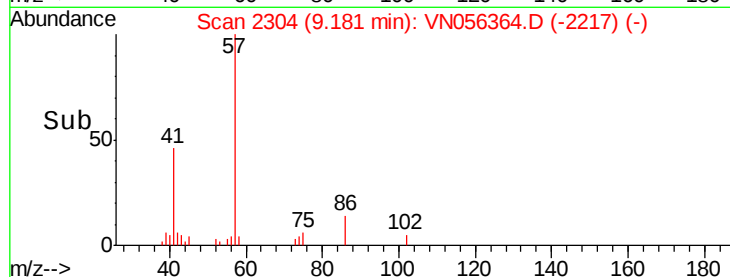
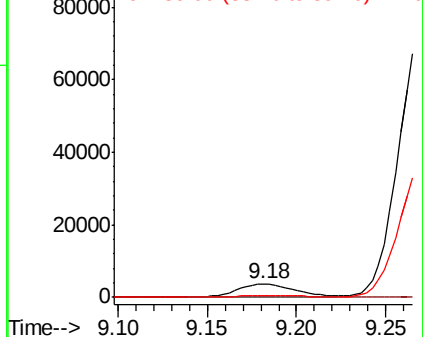
#48  
Methvl methacrylate  
Concen: 2.099 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.02 min  
Lab File: VN056364.D  
Acq: 18 Jun 2019 14:32

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 41 Resp: 8419  
Ion Ratio Lower Upper  
41 100  
69 0.0 71.0 106.6#  
39 0.0 41.7 62.5#

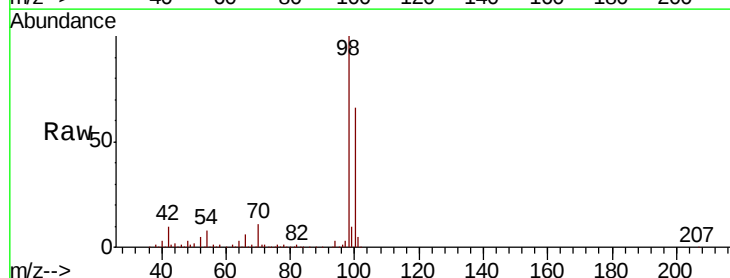


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

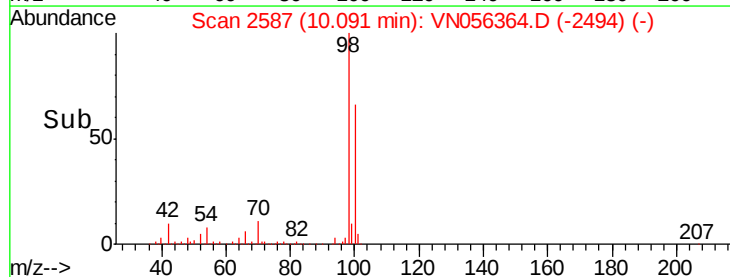
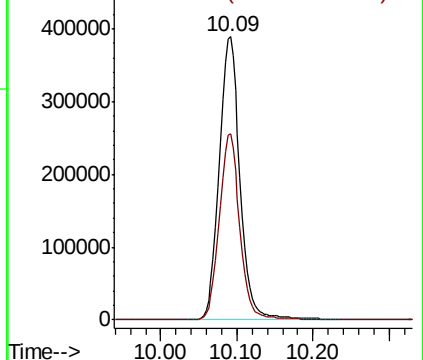


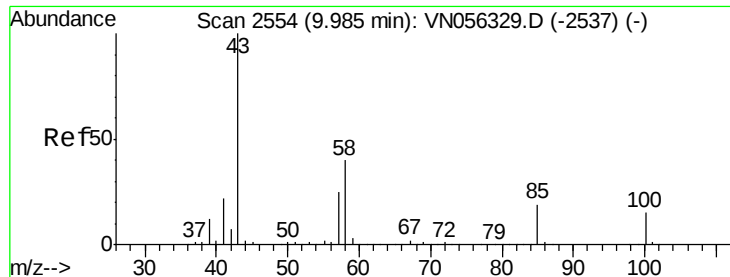
#50  
Toluene-d8  
Concen: 51.770 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN056364.D  
Acq: 18 Jun 2019 14:32

Tgt Ion: 98 Resp: 739022  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.6 77.4



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: 0.675 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

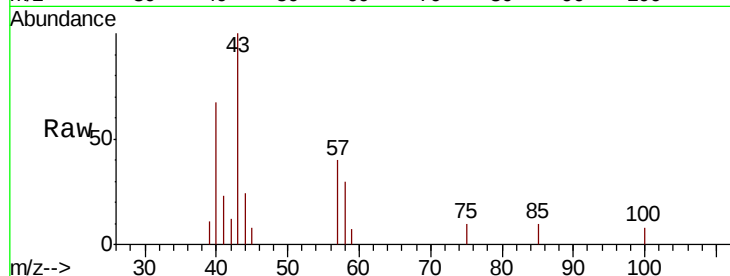
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 3419

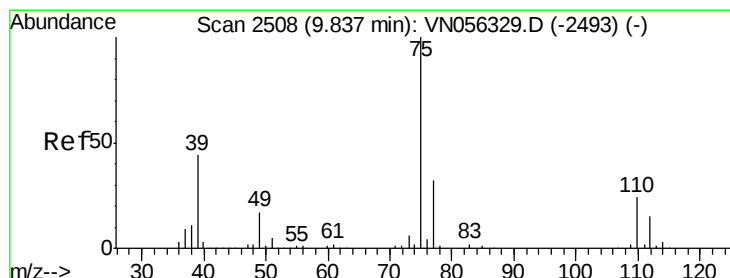
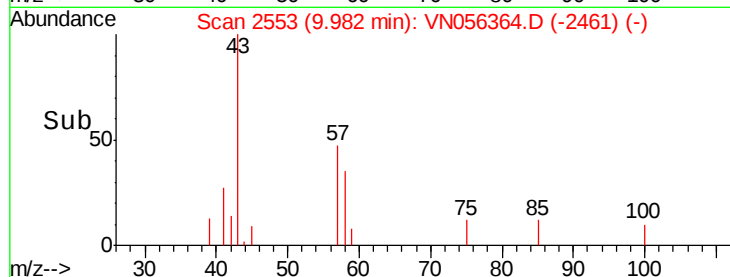
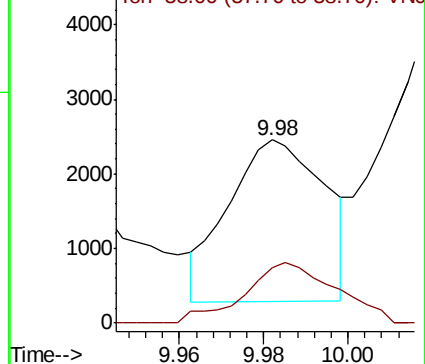
Ion Ratio Lower Upper

43 100

58 35.6 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: 8.736 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

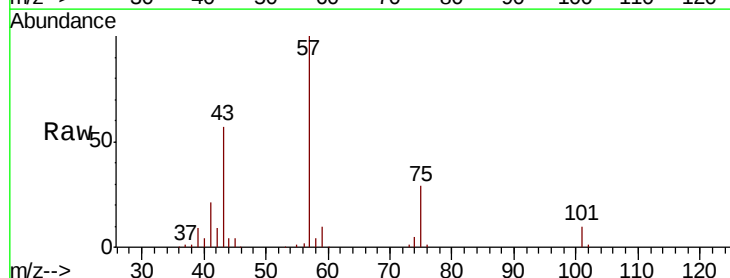
Tgt Ion: 75 Resp: 53399

Ion Ratio Lower Upper

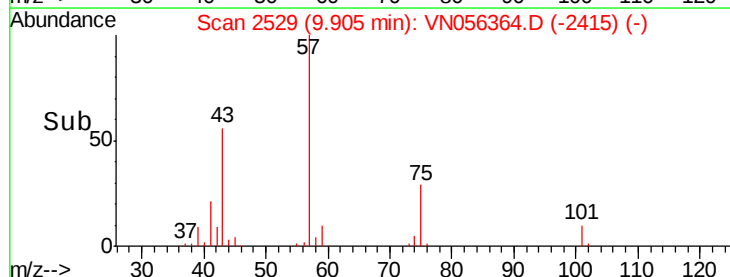
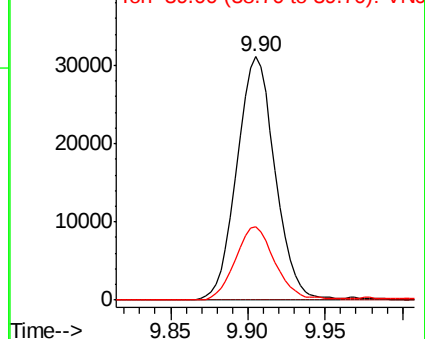
75 100

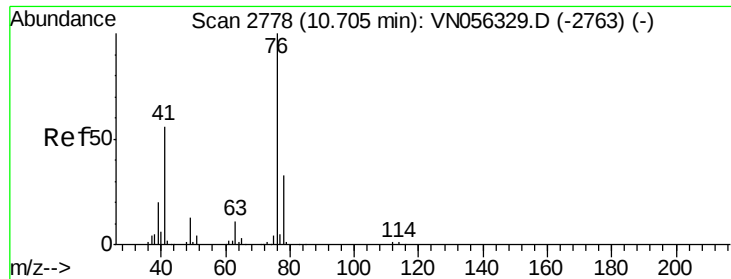
77 0.0 25.7 38.5#

39 30.0 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

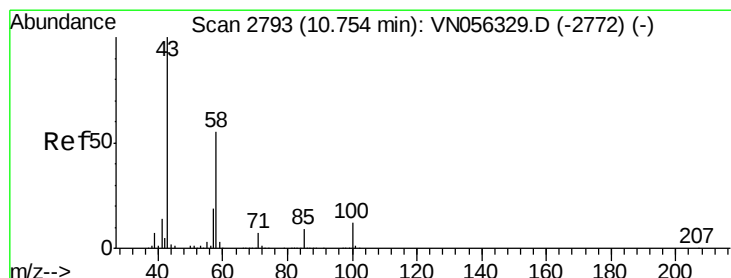
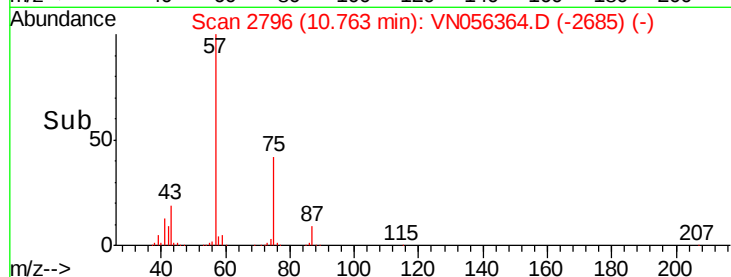
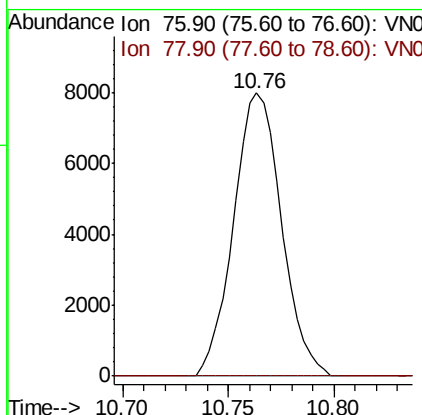
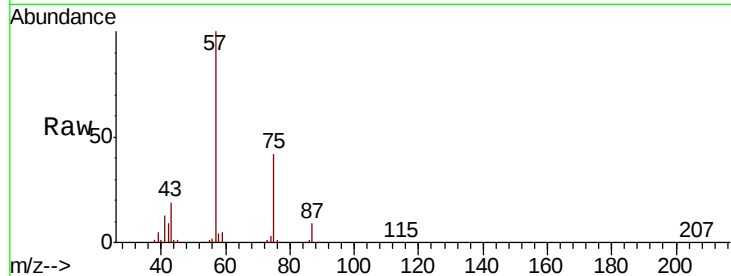




#57  
 1,3-Dichloropropane  
 Concen: 1.879 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.06 min  
 Lab File: VN056364.D  
 Acq: 18 Jun 2019 14:32

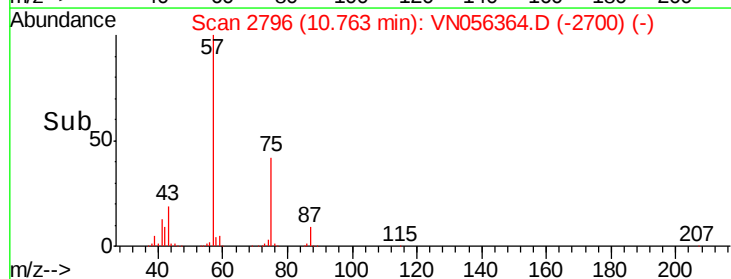
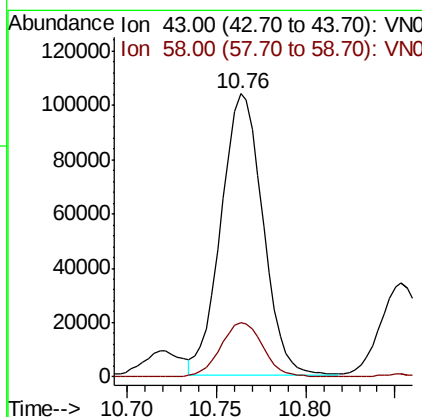
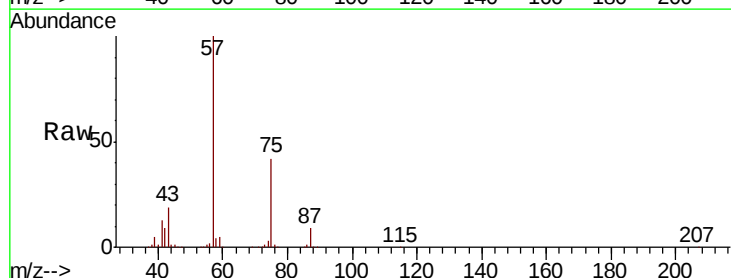
Instrument :  
 MSVOA\_N  
 ClientSampleId :

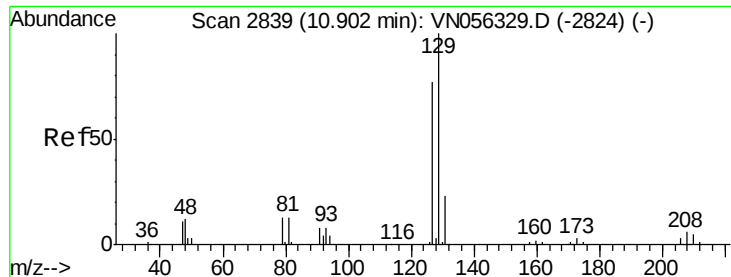
Tot Ion: 76 Resp: 12629  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.2 39.2#



#59  
 2-Hexanone  
 Concen: 45.094 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.01 min  
 Lab File: VN056364.D  
 Acq: 18 Jun 2019 14:32

Tgt Ion: 43 Resp: 169431  
 Ion Ratio Lower Upper  
 43 100  
 58 19.7 27.8 83.4#

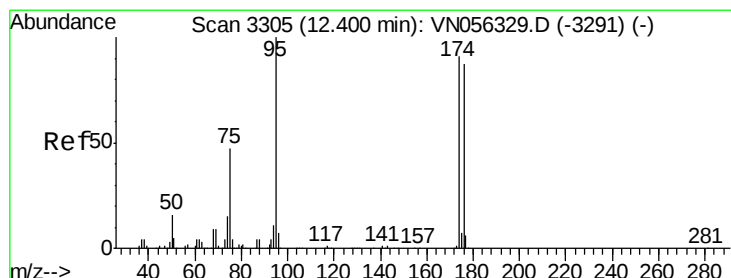
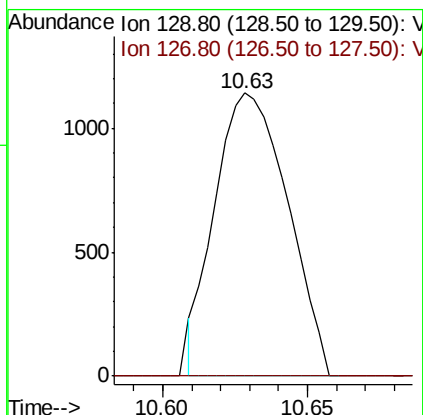
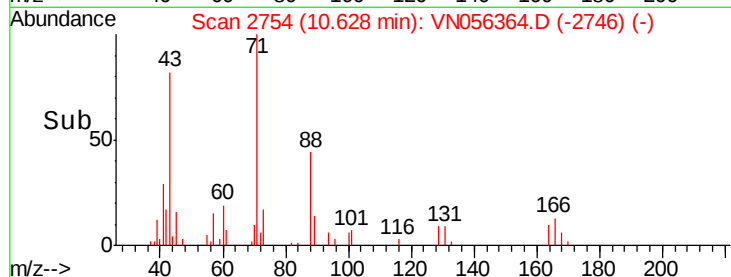
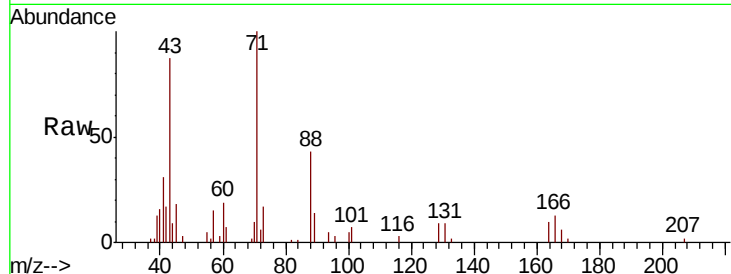




#60  
Dibromochloromethane  
Concen: 0.476 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.27 min  
Lab File: VN056364.D  
Acq: 18 Jun 2019 14:32

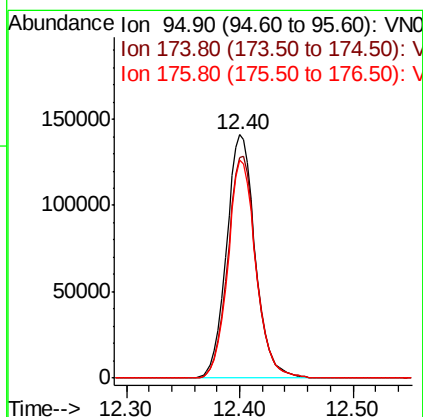
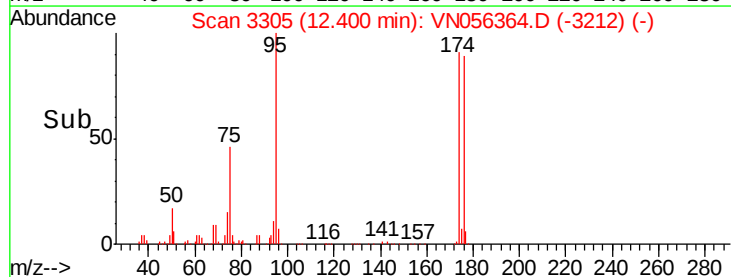
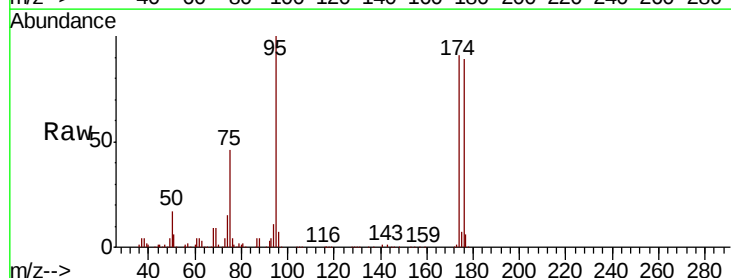
Instrument :  
MSVOA\_N  
ClientSampled :

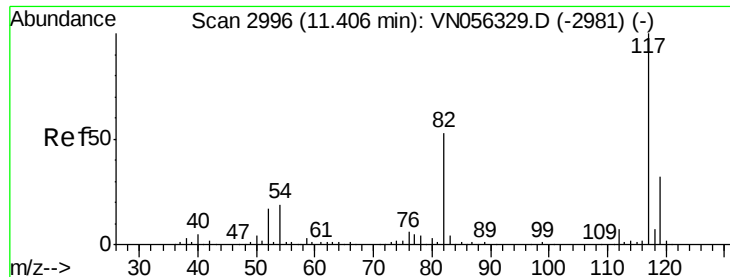
Tot Ion:129 Resp: 1990  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.6 116.0#



#62  
4-Bromofluorobenzene  
Concen: 52.386 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN056364.D  
Acq: 18 Jun 2019 14:32

Tgt Ion: 95 Resp: 247806  
Ion Ratio Lower Upper  
95 100  
174 90.8 0.0 182.6  
176 87.5 0.0 176.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

ClientSampleId :

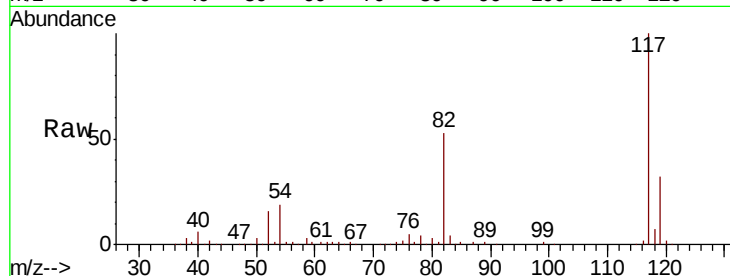
Tot Ion:117 Resp: 601854

Ion Ratio Lower Upper

117 100

82 52.9 42.4 63.6

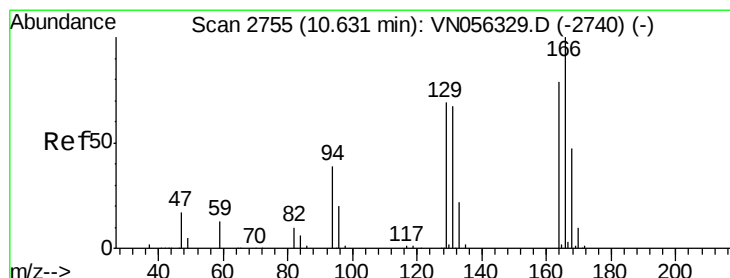
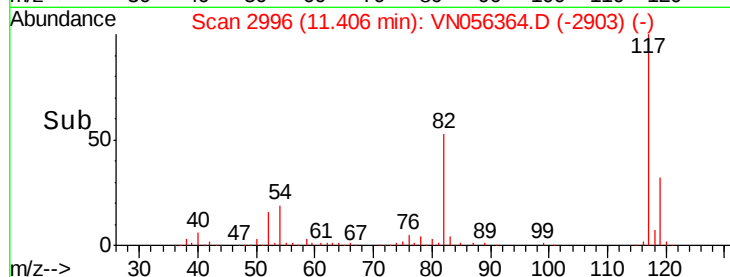
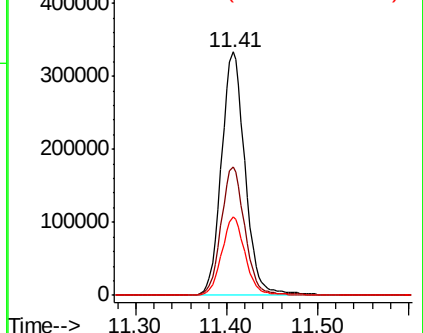
119 32.3 26.0 39.0



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



#64

Tetrachloroethene

Concen: 0.419 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Tgt Ion:164 Resp: 2067

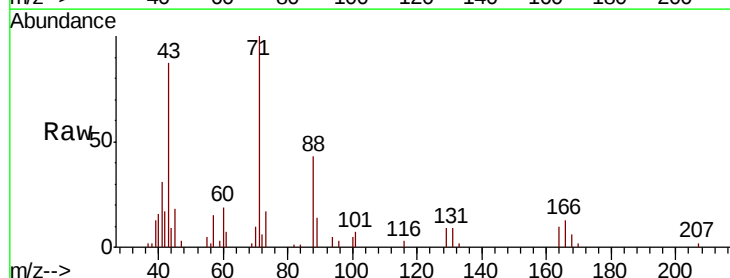
Ion Ratio Lower Upper

164 100

166 114.1 101.8 152.6

129 89.2 70.3 105.5

131 89.6 68.2 102.4

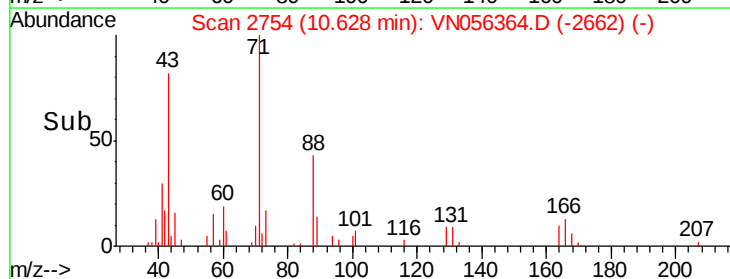
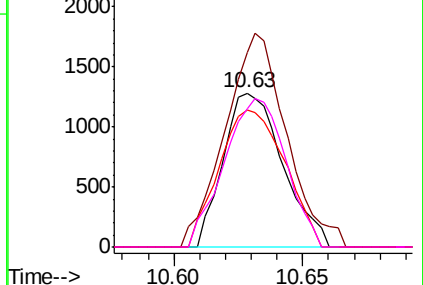


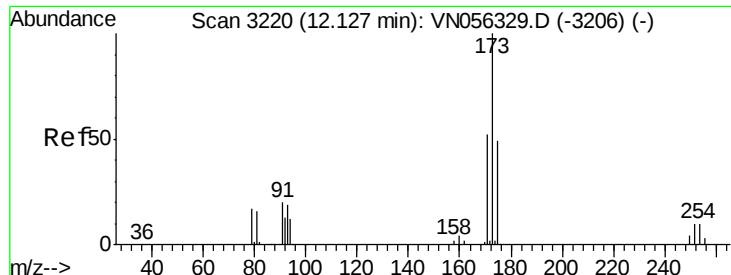
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.489 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

ClientSampleId :

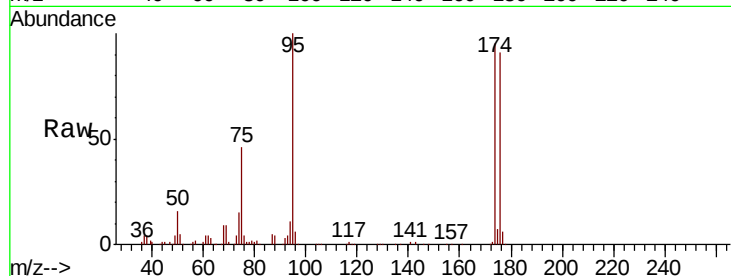
Tot Ion:173 Resp: 1735

Ion Ratio Lower Upper

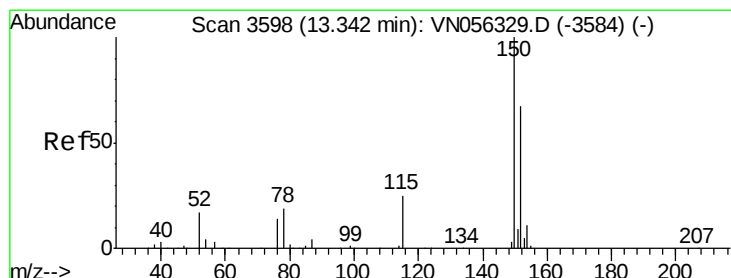
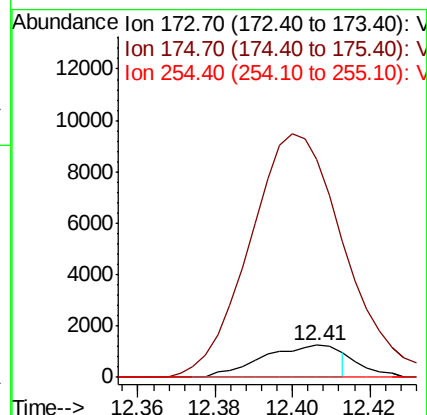
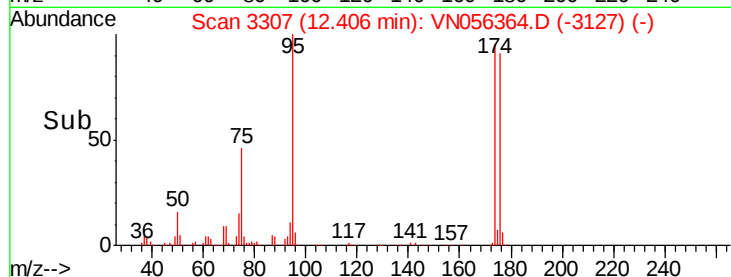
173 100

175 805.9 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

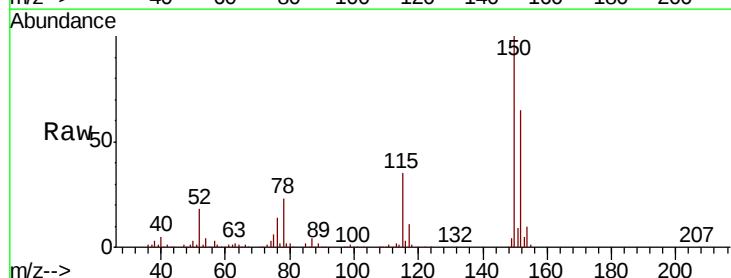
Tgt Ion:152 Resp: 192142

Ion Ratio Lower Upper

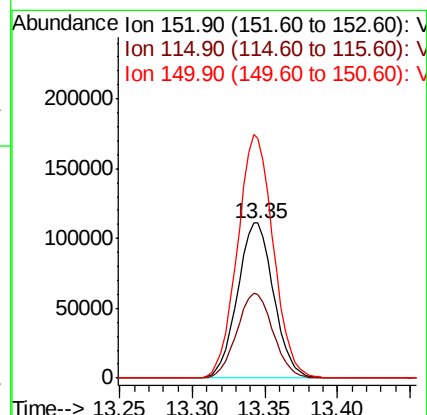
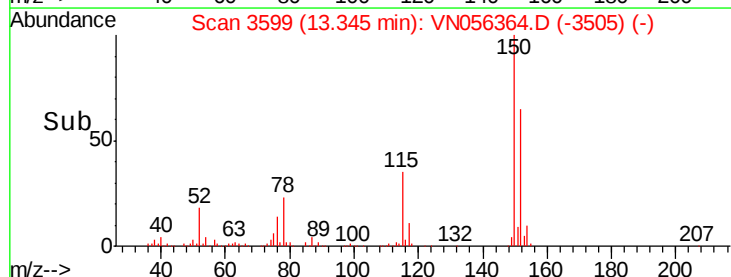
152 100

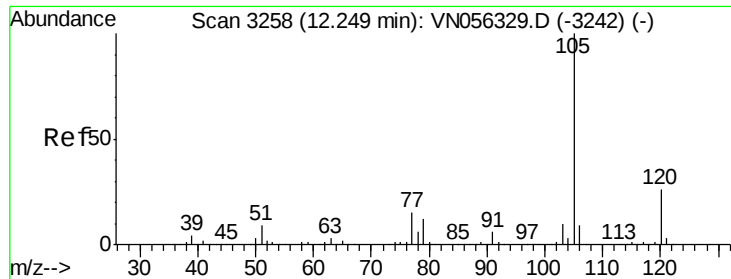
115 54.7 27.8 83.3

150 155.7 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: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

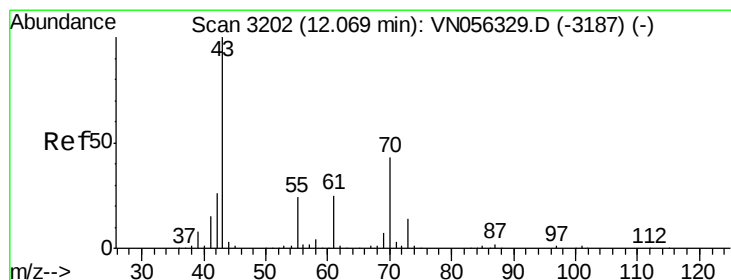
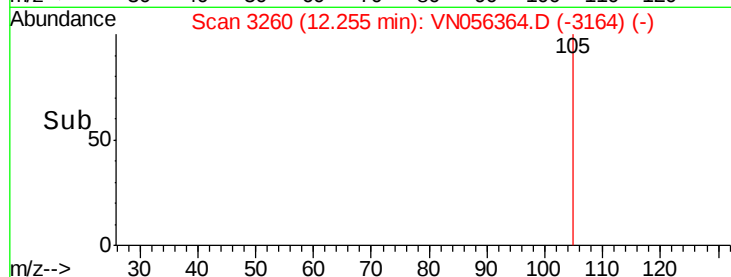
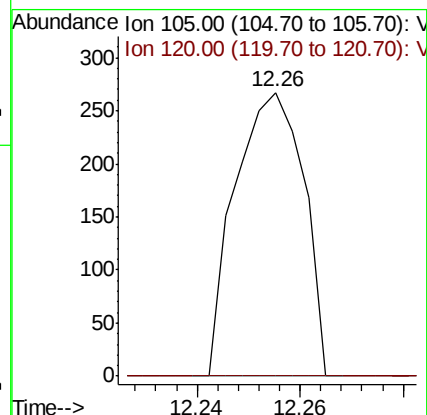
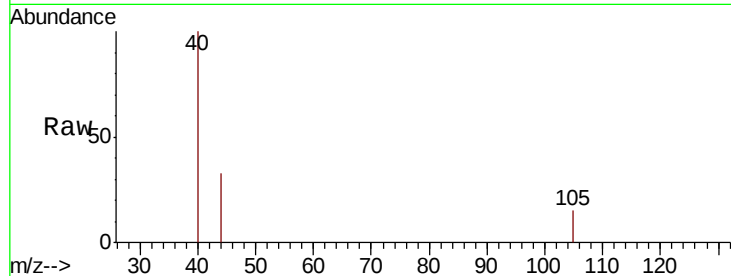
ClientSampleId :

Tot Ion:105 Resp: 245

Ion Ratio Lower Upper

105 100

120 0.0 13.3 39.8#



#74

N-ethyl acetate

Concen: 2.672 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Tgt Ion: 43 Resp: 16133

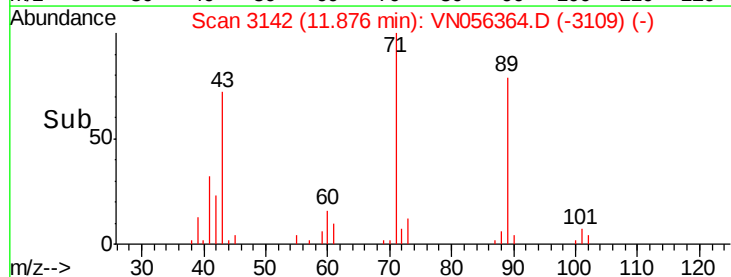
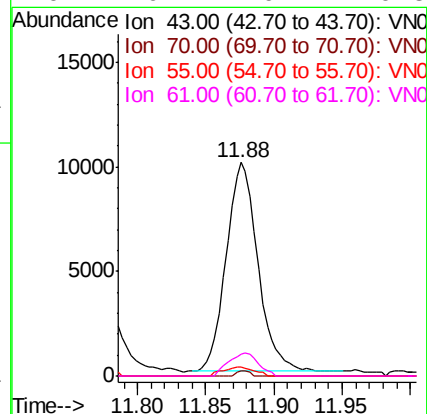
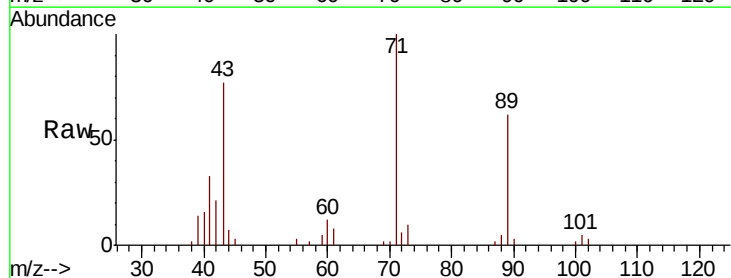
Ion Ratio Lower Upper

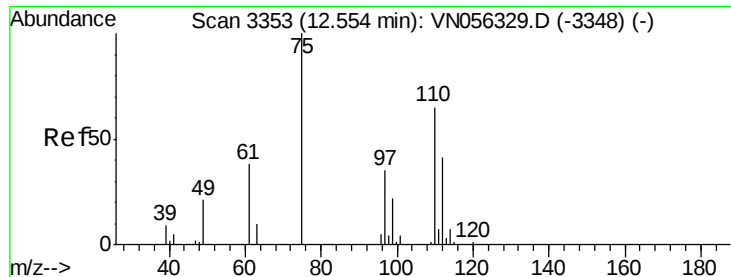
43 100

70 1.0 34.2 51.2#

55 4.1 19.9 29.9#

61 10.2 19.7 29.5#





#76

1,2,3-Trichloropropane

Concen: 28.243 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

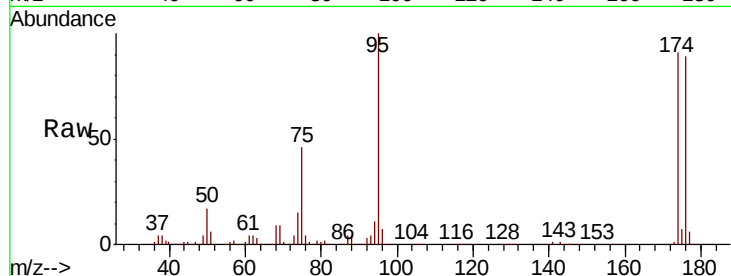
ClientSampled :

Tot Ion: 75 Resp: 115942

Ion Ratio Lower Upper

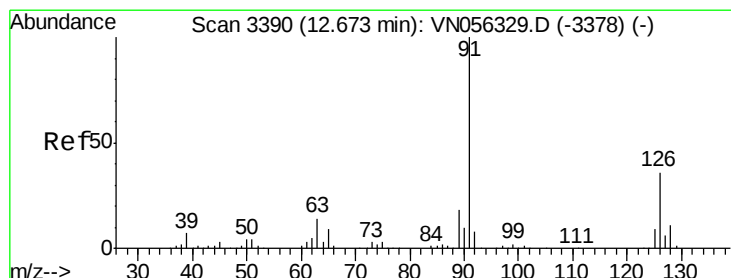
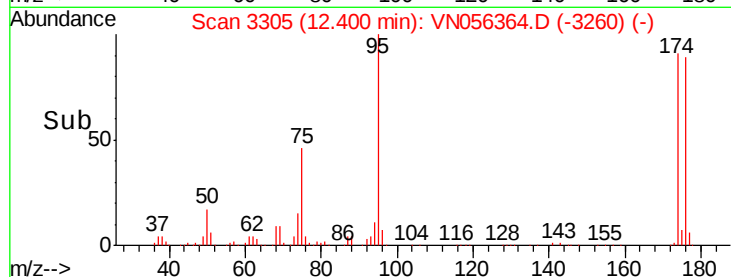
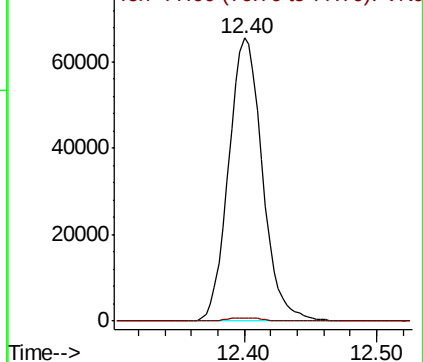
75 100

77 1.2 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: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056364.D

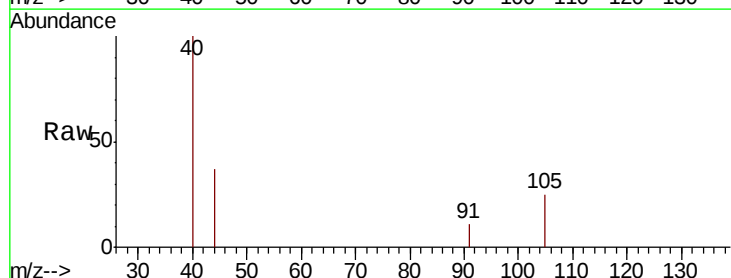
Acq: 18 Jun 2019 14:32

Tgt Ion: 91 Resp: 97

Ion Ratio Lower Upper

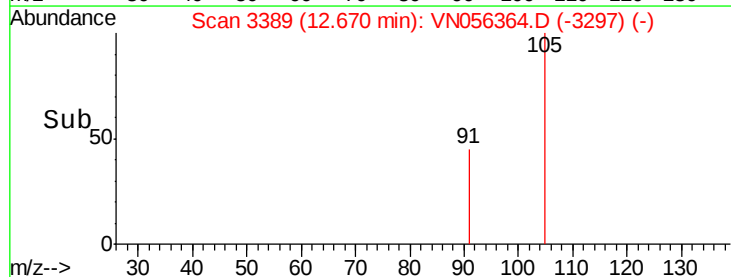
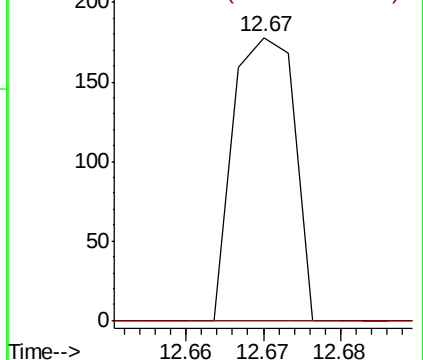
91 100

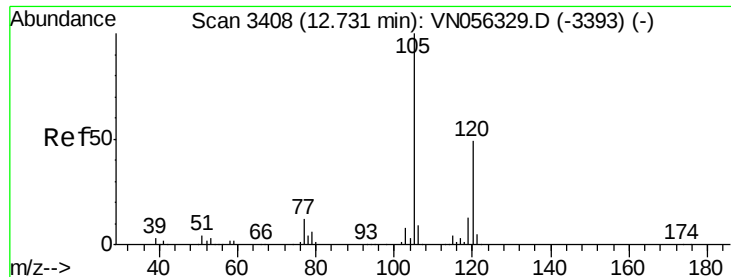
126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.380 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

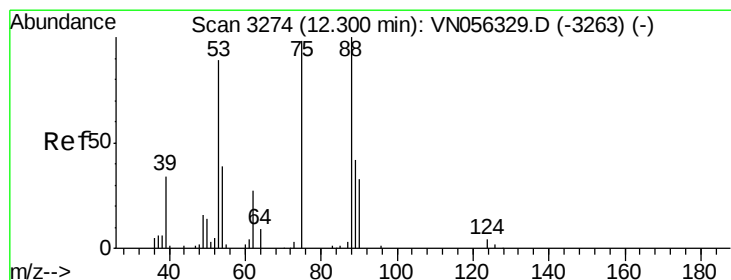
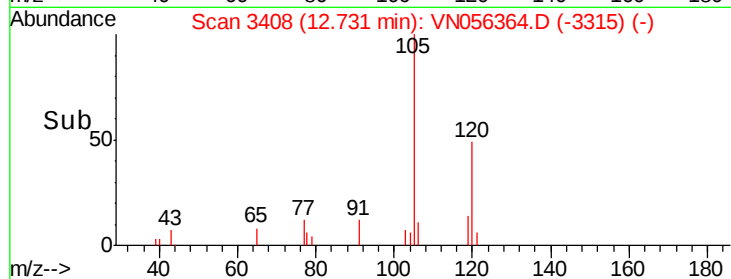
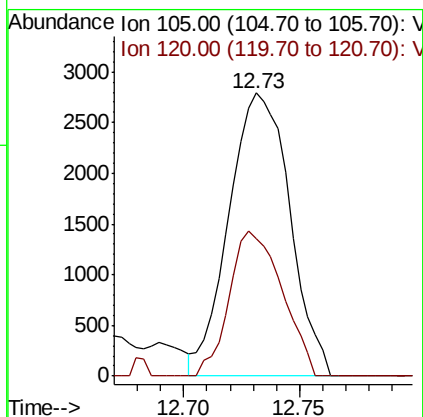
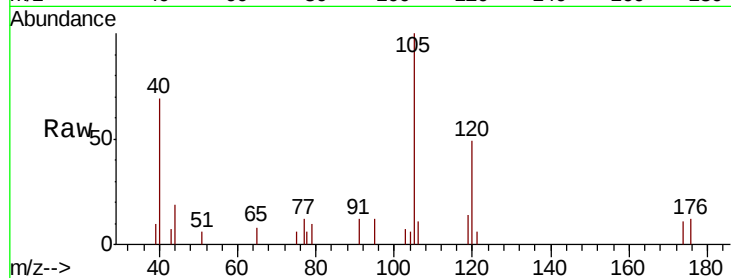
ClientSampled :

Tot Ion:105 Resp: 5088

Ion Ratio Lower Upper

105 100

120 44.5 24.4 73.4



#81

trans-1,4-Dichloro-2-butene

Concen: 87.748 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

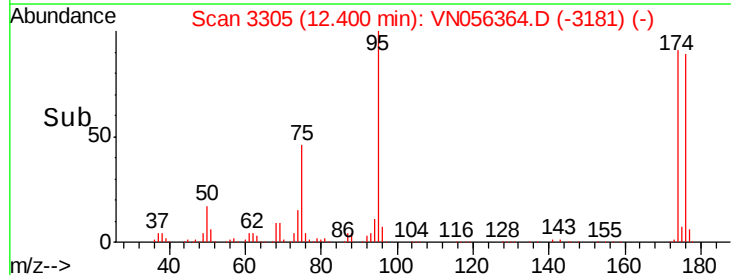
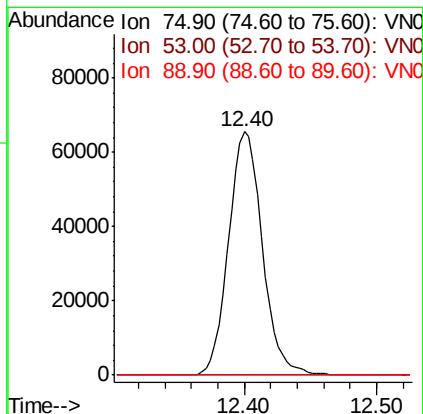
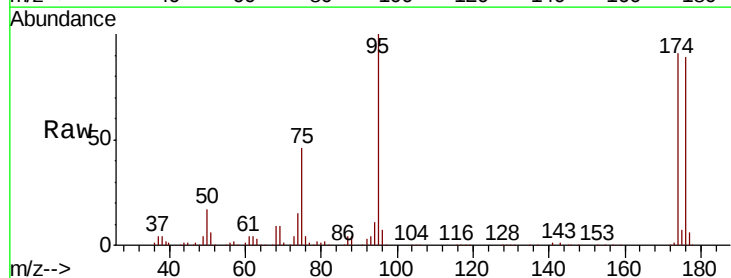
Tgt Ion: 75 Resp: 115942

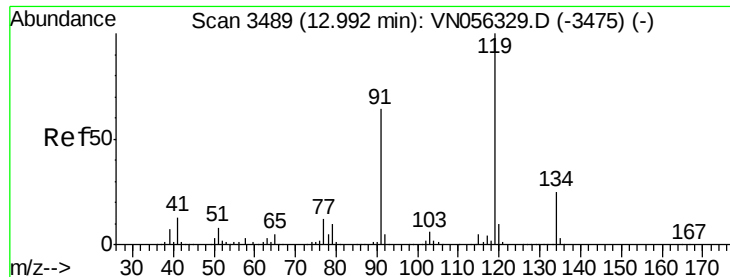
Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 35.4 53.2#





#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3505

Delta R.T. 0.05 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

ClientSampleId :

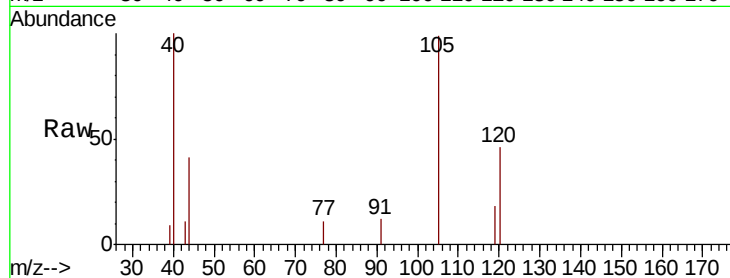
Tot Ion:119 Resp: 280

Ion Ratio Lower Upper

119 100

91 62.9 31.5 94.5

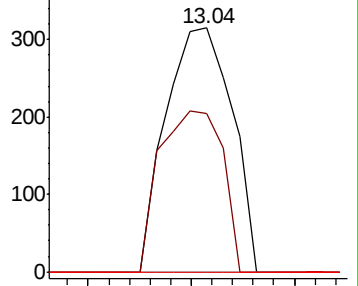
134 0.0 13.6 40.7#



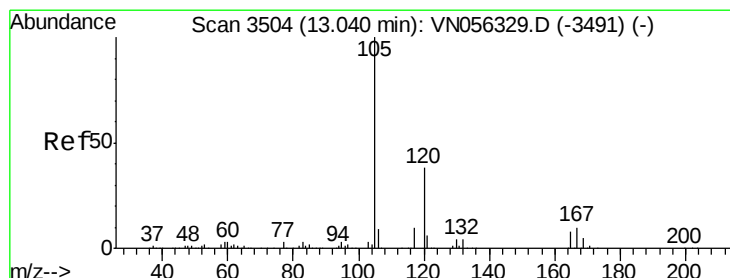
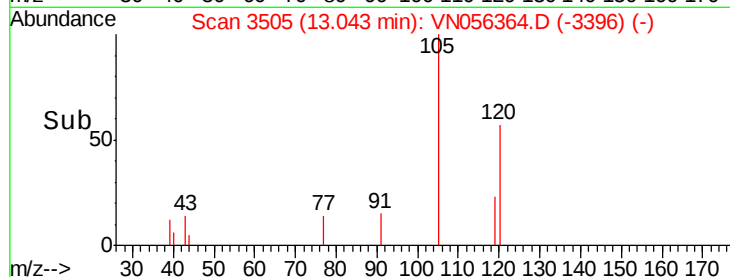
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.225 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056364.D

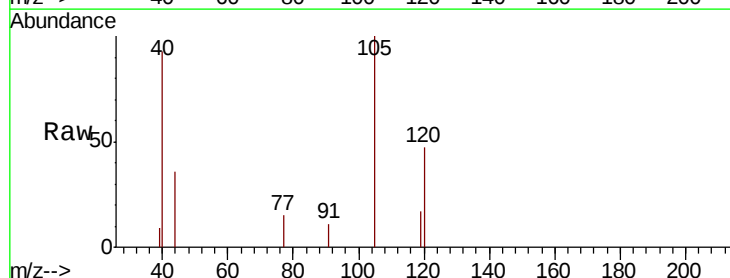
Acq: 18 Jun 2019 14:32

Tgt Ion:105 Resp: 2807

Ion Ratio Lower Upper

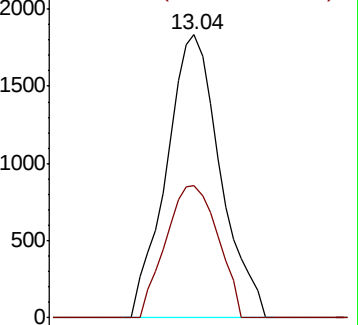
105 100

120 45.5 23.1 69.2

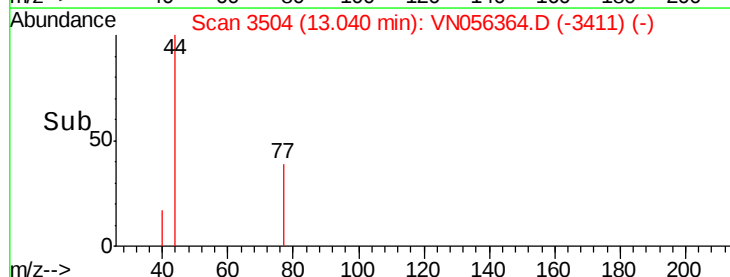


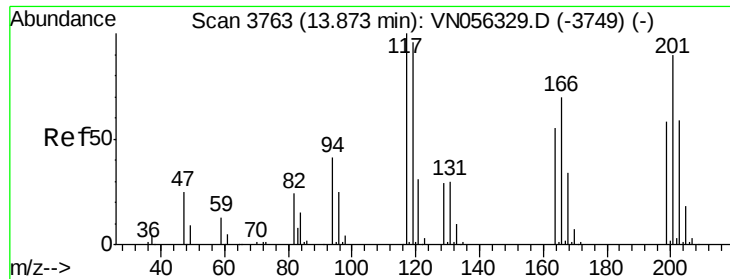
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#90

Hexachloroethane

Concen: Below Cal

RT: 13.94 min Scan# 3785

Delta R.T. 0.07 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

Instrument :

MSVOA\_N

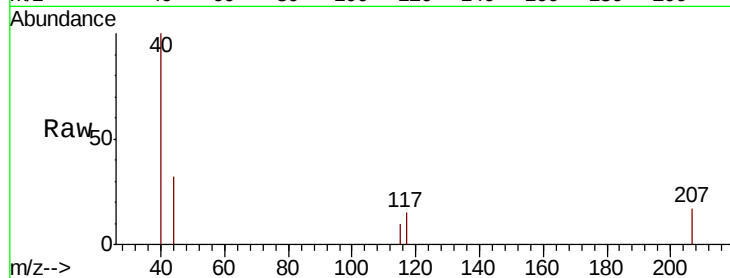
ClientSampleId :

Tot Ion:117 Resp: 219

Ion Ratio Lower Upper

117 100

201 0.0 45.8 137.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.94

250

200

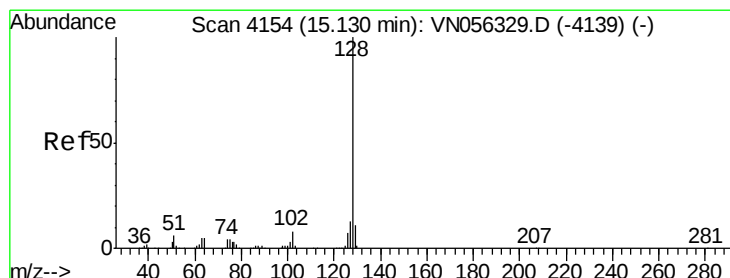
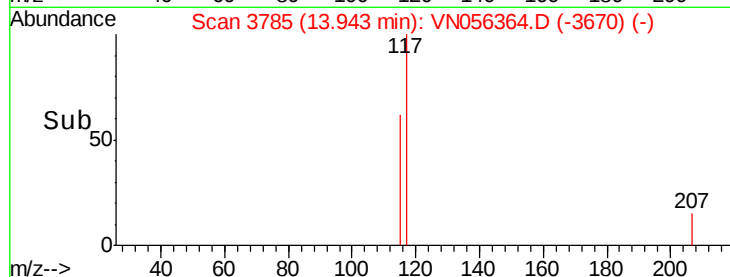
150

100

50

0

Time--> 13.92 13.94 13.96



#95

Naphthalene

Concen: 6.850 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056364.D

Acq: 18 Jun 2019 14:32

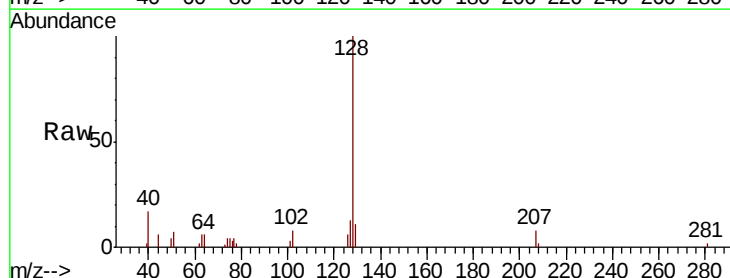
Tgt Ion:128 Resp: 21224

Ion Ratio Lower Upper

128 100

127 12.3 10.6 15.8

129 11.6 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

15.13

15000

10000

5000

0

Time--> 15.05 15.10 15.15 15.20

