

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\  
 Data File : VN056342.D  
 Acq On : 17 Jun 2019 15:58  
 Operator : JC/SP  
 Sample : K3389-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 18 04:36:12 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  | 338103   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 570980   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 588888   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 213789   | 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   | 194525   | 51.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.34% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 168979   | 46.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 92.30%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 714652   | 51.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.18% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 253581   | 54.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 109.42% |          |

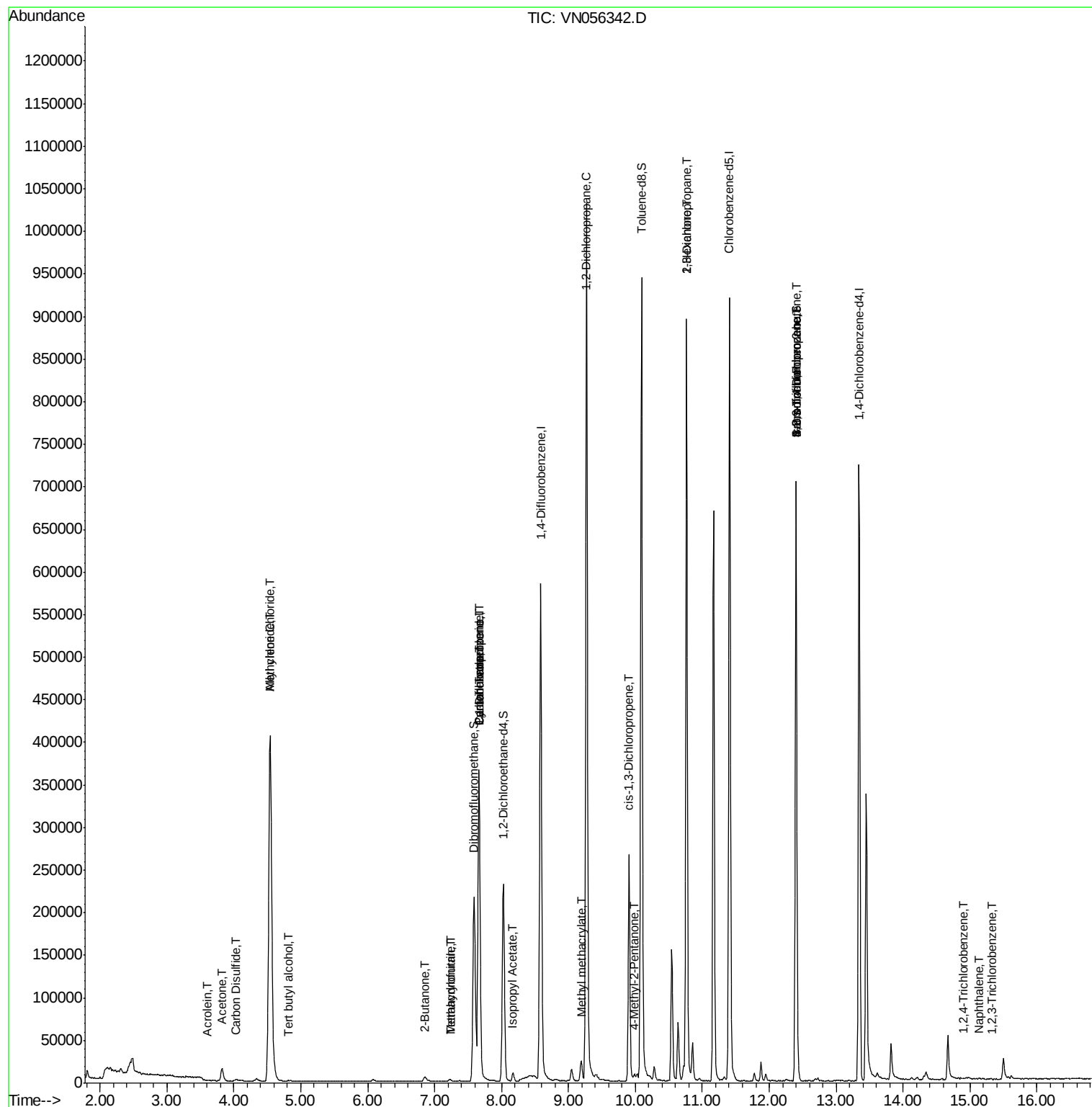
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.82  | 59   | 813      | 1.359     | ug/l # | 73     |
| 13) Acrolein                   | 3.61  | 56   | 123      | 3.887     | ug/l # | 45     |
| 14) Allyl chloride             | 4.54  | 41   | 12155    | 2.310     | ug/l # | 27     |
| 16) Acetone                    | 3.82  | 43   | 23299    | 11.091    | ug/l   | 95     |
| 17) Carbon Disulfide           | 4.03  | 76   | 3703     | 0.441     | ug/l   | 95     |
| 18) Methyl Acetate             | 4.34  | 43   | 5659     | Below Cal | #      | 82     |
| 20) Methylene Chloride         | 4.54  | 84   | 334059   | 90.059    | ug/l   | 98     |
| 25) 2-Butanone                 | 6.85  | 43   | 11523    | 4.526     | ug/l   | 100    |
| 29) Tetrahydrofuran            | 7.22  | 42   | 2079     | 1.375     | ug/l # | 89     |
| 31) Cyclohexane                | 7.66  | 56   | 5470     | 0.934     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 21518    | 4.188     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 29130    | 5.907     | ug/l # | 16     |
| 41) Methacrylonitrile          | 7.22  | 41   | 717      | 0.321     | ug/l # | 34     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 11572    | 1.486     | ug/l   | 96     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 1262     | 0.306     | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.18  | 41   | 8852     | 2.253     | ug/l # | 23     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 4757     | 0.958     | ug/l   | 96     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 49415    | 8.250     | ug/l # | 63     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 9305     | 1.413     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43   | 131600   | 35.744    | ug/l # | 52     |
| 71) Bromoform                  | 12.40 | 173  | 1726     | 0.498     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105  | 184      | Below Cal | #      | 48     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 119207   | 26.098    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 94       | Below Cal | #      | 39     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 119207   | 81.084    | ug/l # | 13     |
| 90) Hexachloroethane           | 14.00 | 117  | 151      | Below Cal | #      | 4      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 370      | 5.396     | ug/l   | 71     |
| 95) Naphthalene                | 15.14 | 128  | 1425     | 4.793     | ug/l # | 69     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 429      | 3.905     | ug/l   | 77     |

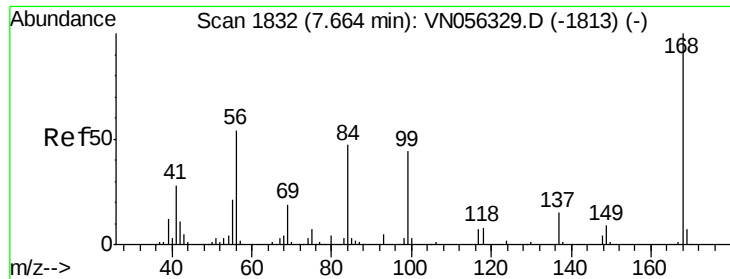
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061719\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061719W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 18 04:23:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

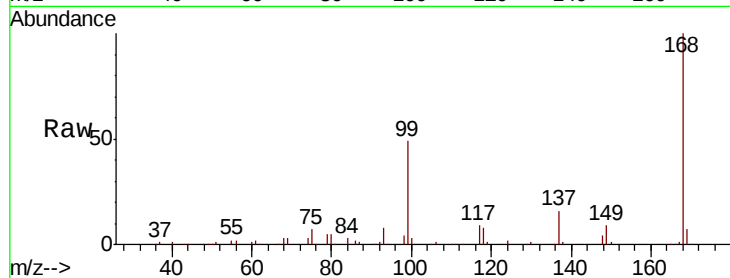
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 338103

Ion Ratio Lower Upper

168 100

99 49.3 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

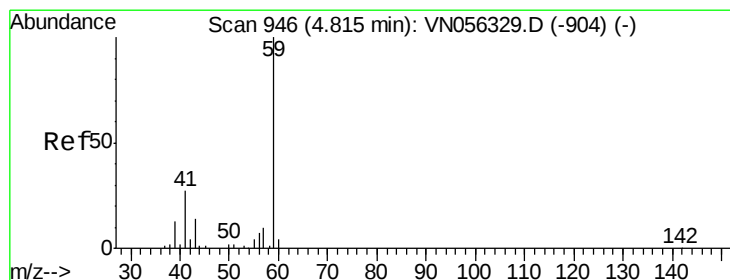
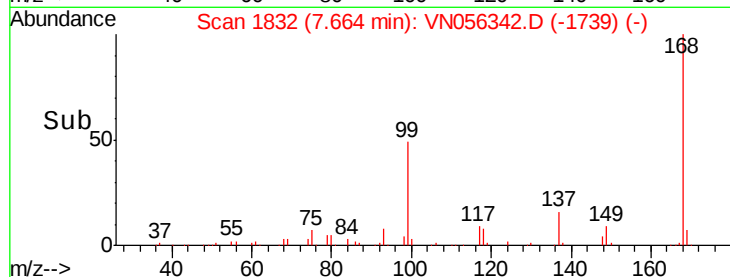
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 1.359 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.01 min

Lab File: VN056342.D

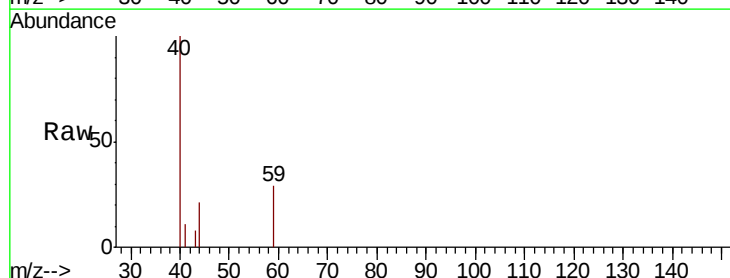
Acq: 17 Jun 2019 15:58

Tgt Ion: 59 Resp: 813

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

600

500

400

300

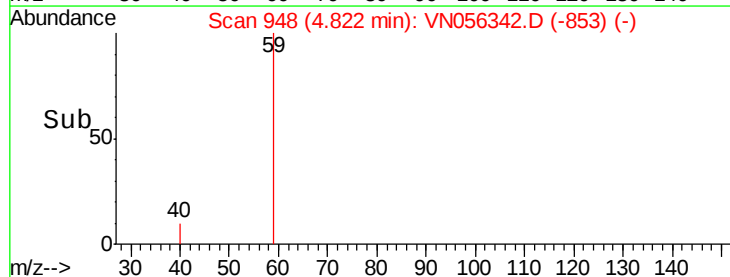
200

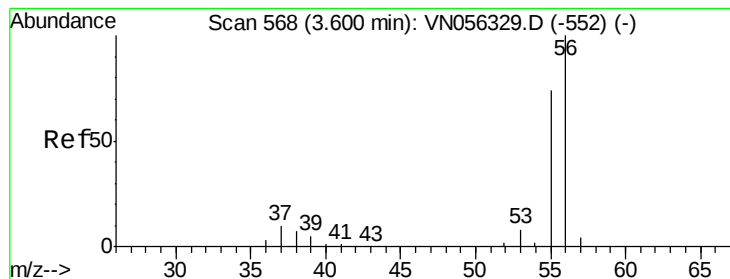
100

0

Time-->

4.78 4.80 4.82 4.84





#13

Acrolein

Concen: 3.887 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

Instrument :

MSVOA\_N

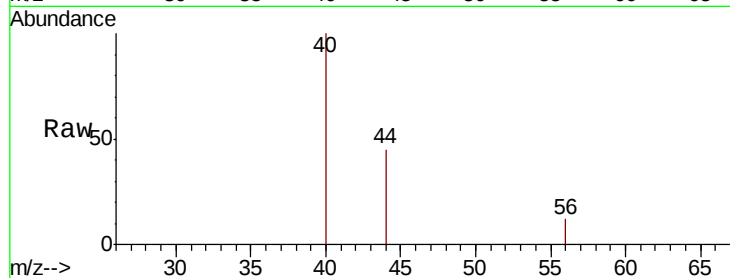
ClientSampleId :

Tot Ion: 56 Resp: 123

Ion Ratio Lower Upper

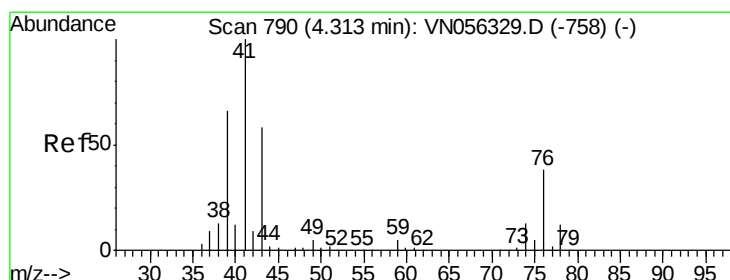
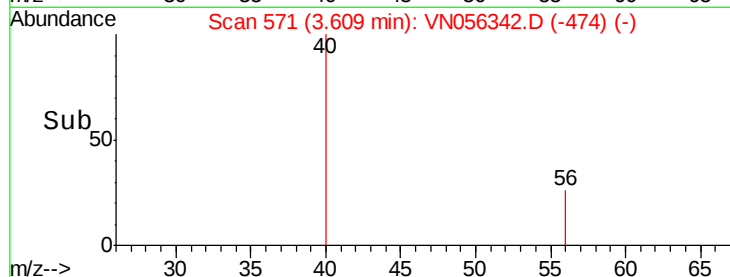
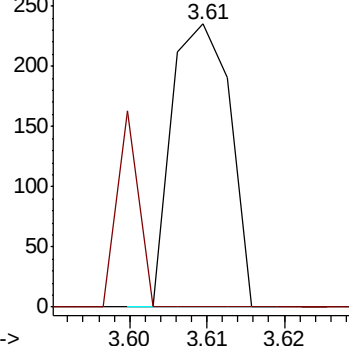
56 100

55 25.2 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 2.310 ug/l

RT: 4.54 min Scan# 860

Delta R.T. 0.23 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

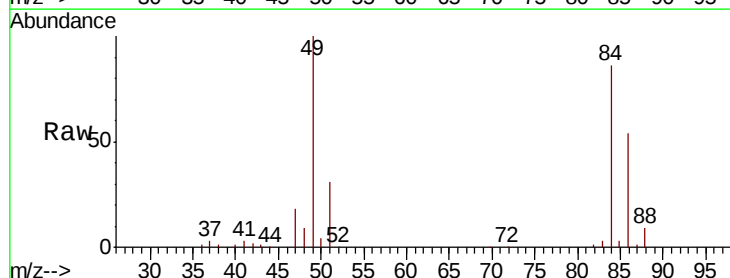
Tgt Ion: 41 Resp: 12155

Ion Ratio Lower Upper

41 100

39 0.0 48.9 73.3#

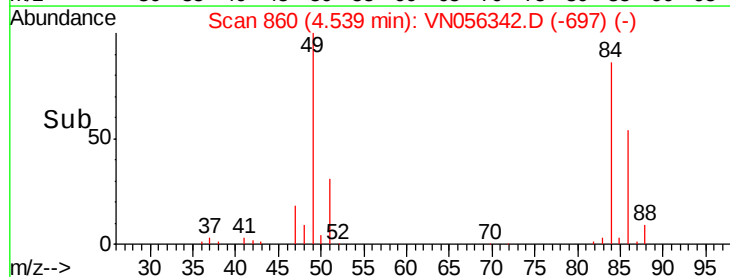
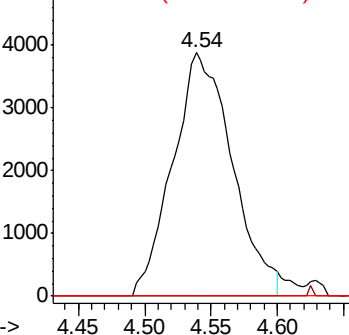
76 0.0 27.2 40.8#

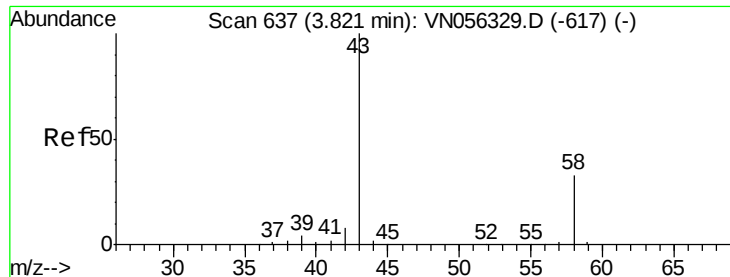


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 11.091 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

Instrument :

MSVOA\_N

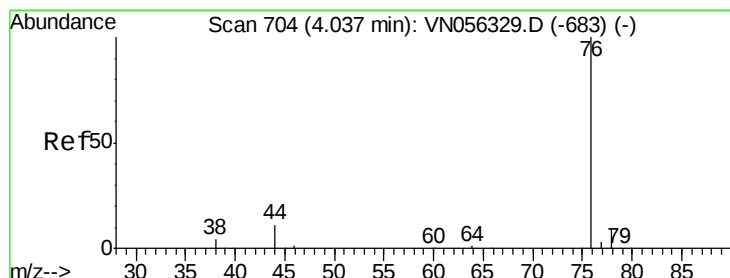
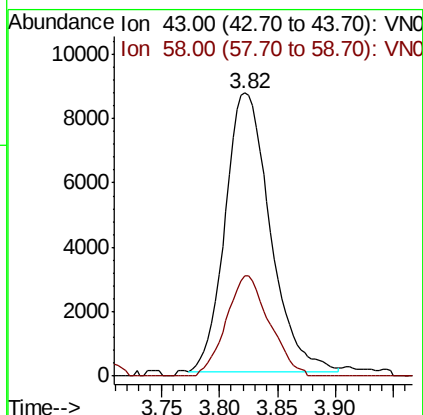
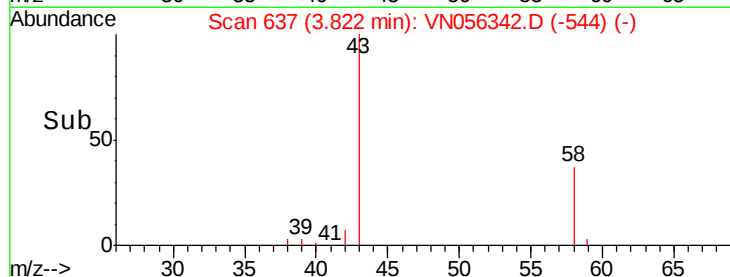
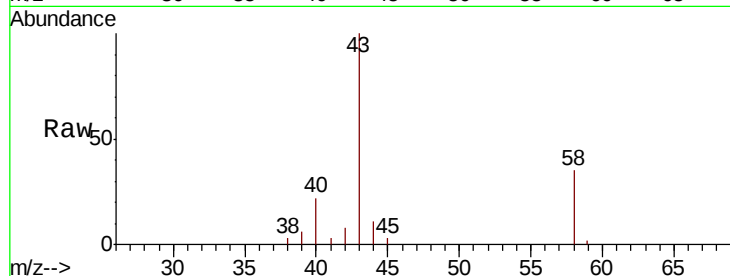
ClientSampleId :

Tot Ion: 43 Resp: 23299

Ion Ratio Lower Upper

43 100

58 35.9 26.5 39.7



#17

Carbon Disulfide

Concen: 0.441 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN056342.D

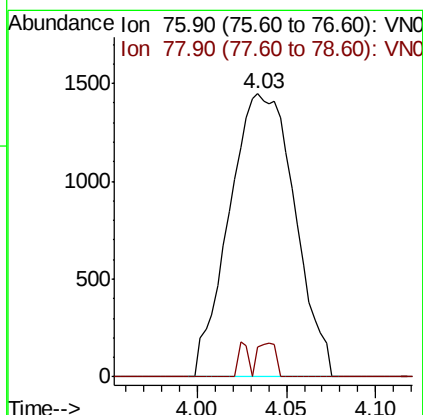
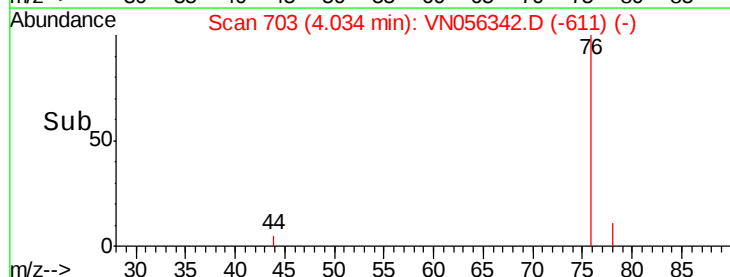
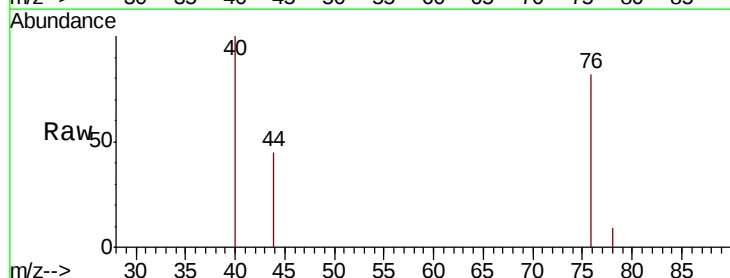
Acq: 17 Jun 2019 15:58

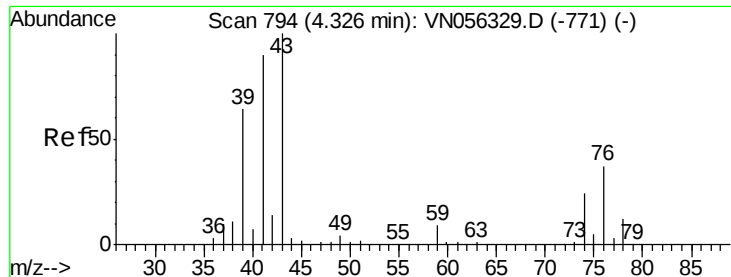
Tgt Ion: 76 Resp: 3703

Ion Ratio Lower Upper

76 100

78 10.8 7.3 10.9

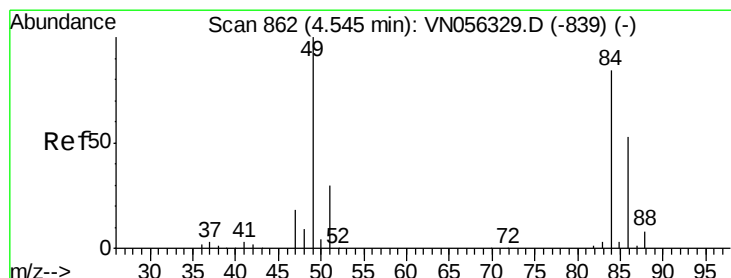
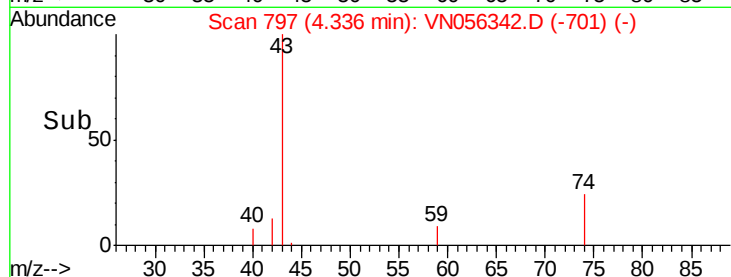
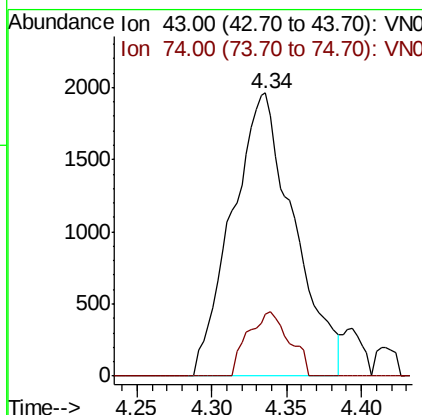
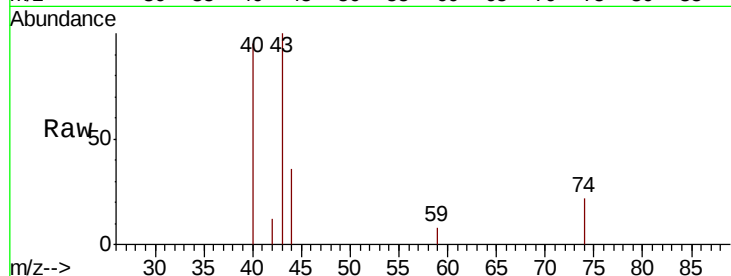




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.34 min Scan# 797  
Delta R.T. 0.01 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

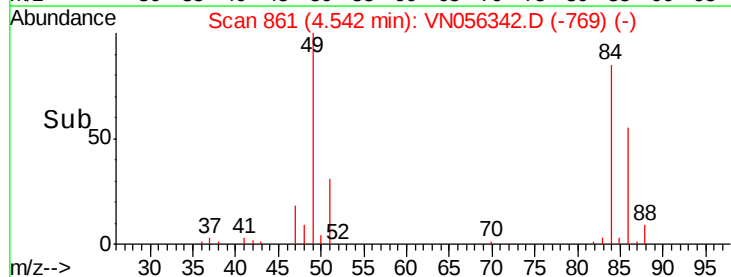
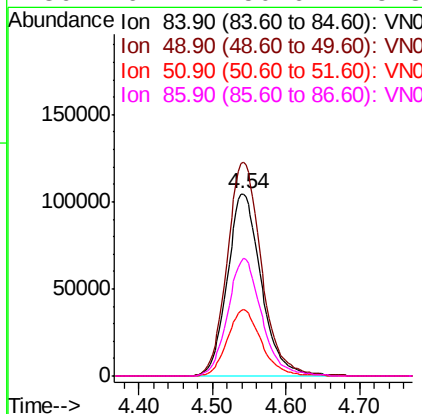
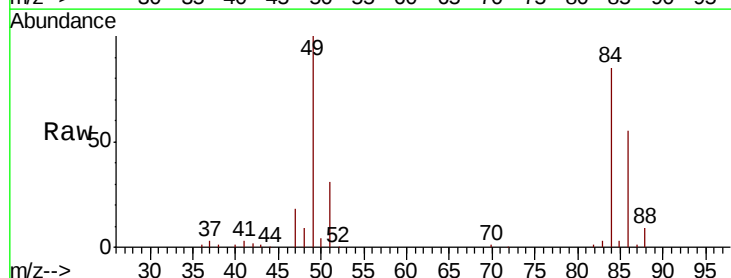
Instrument :  
MSVOA\_N  
ClientSampleId :

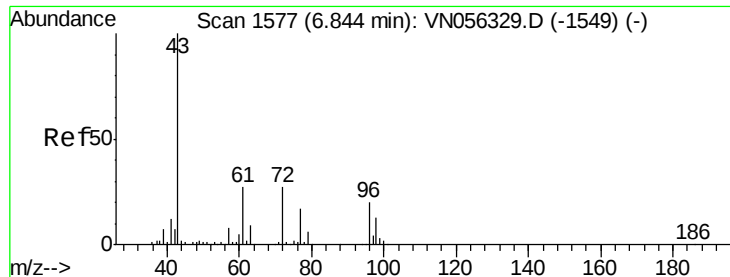
Tot Ion: 43 Resp: 5659  
Ion Ratio Lower Upper  
43 100  
74 15.3 19.4 29.2#



#20  
Methylene Chloride  
Concen: 90.059 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Tgt Ion: 84 Resp: 334059  
Ion Ratio Lower Upper  
84 100  
49 117.3 95.0 142.6  
51 36.5 28.2 42.4  
86 64.4 50.6 75.8

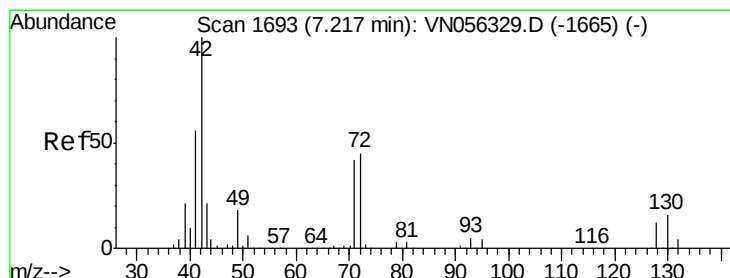
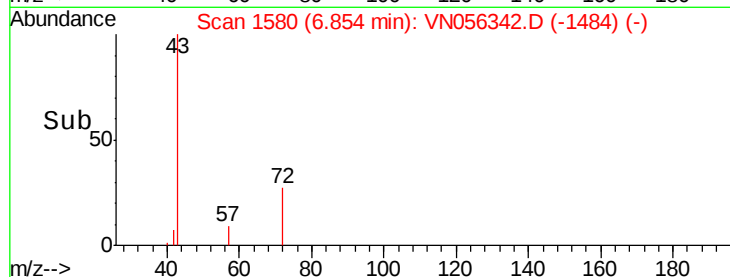
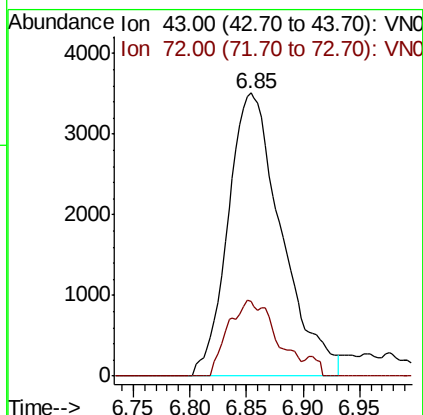
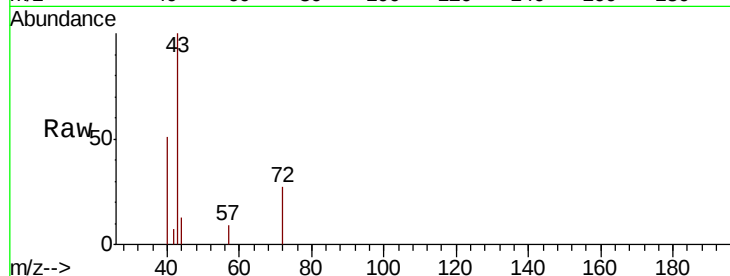




#25  
2-Butanone  
Concen: 4.526 ug/l  
RT: 6.85 min Scan# 1580  
Delta R.T. 0.01 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

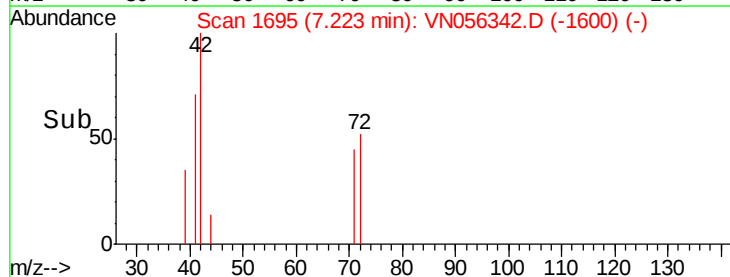
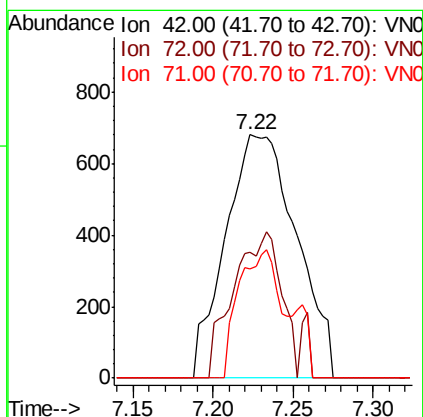
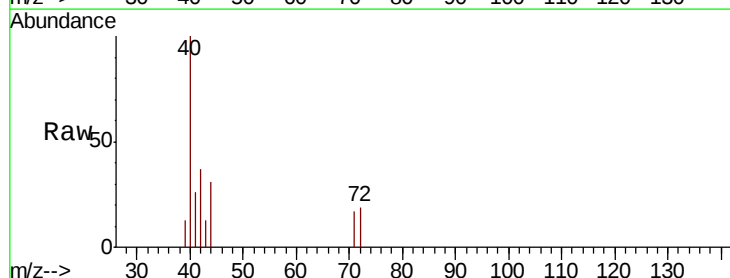
Instrument :  
MSVOA\_N  
ClientSampled :

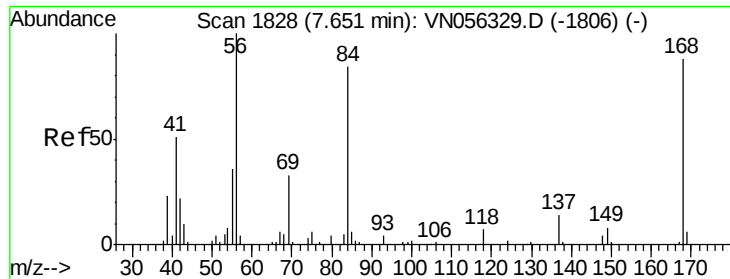
Tot Ion: 43 Resp: 11523  
Ion Ratio Lower Upper  
43 100  
72 26.6 21.4 32.2



#29  
Tetrahydrofuran  
Concen: 1.375 ug/l  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.01 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Tgt Ion: 42 Resp: 2079  
Ion Ratio Lower Upper  
42 100  
72 40.5 35.3 52.9  
71 29.7 32.7 49.1#

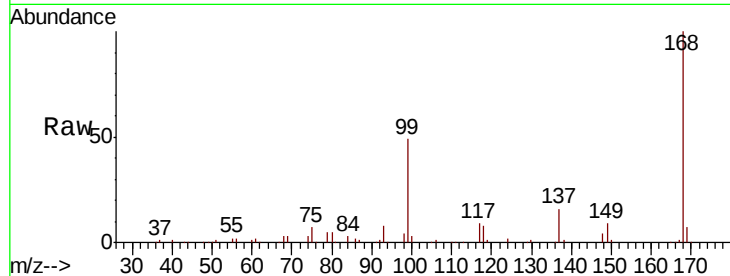




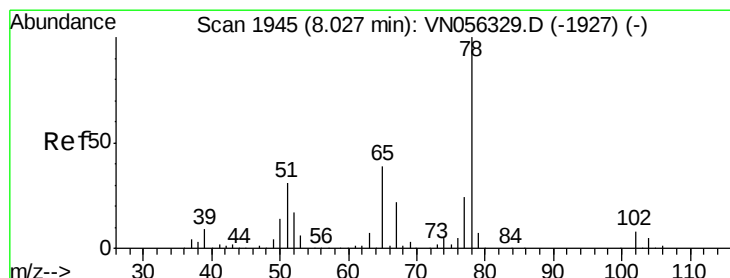
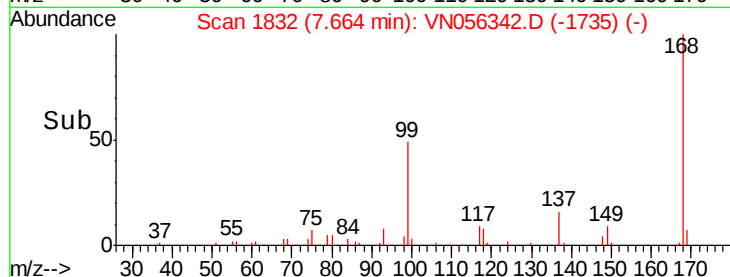
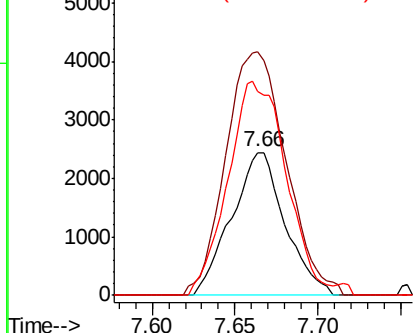
#31  
Cyclohexane  
Concen: 0.934 ug/l  
RT: 7.66 min Scan# 1832  
Delta R.T. 0.01 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 5470  
Ion Ratio Lower Upper  
56 100  
69 164.3 26.0 39.0#  
84 142.5 67.4 101.0#

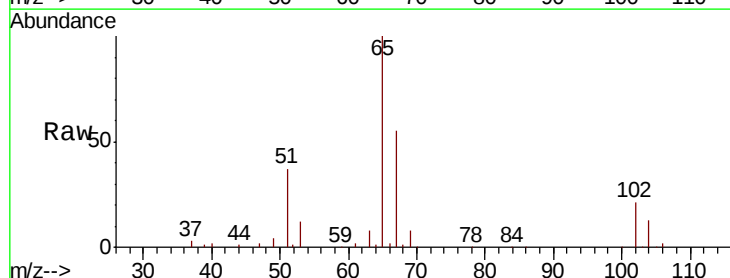


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

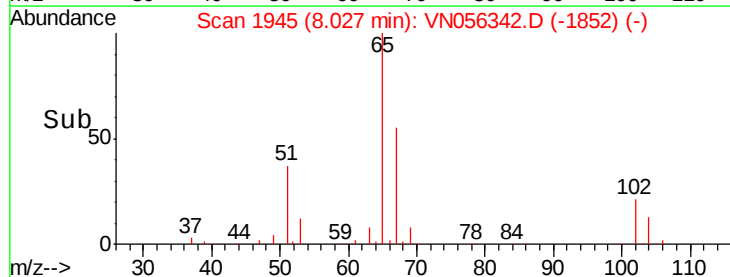
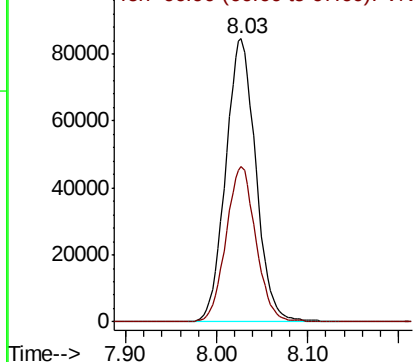


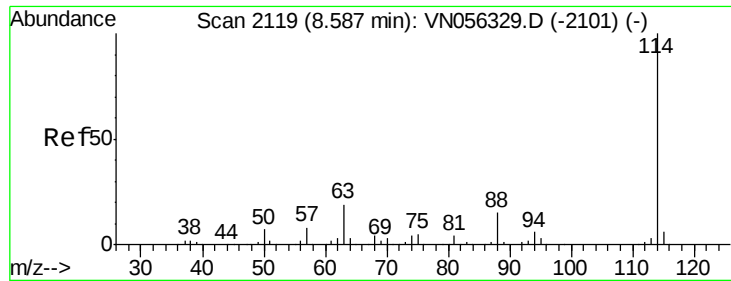
#33  
1,2-Dichloroethane-d4  
Concen: 51.169 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Tgt Ion: 65 Resp: 194525  
Ion Ratio Lower Upper  
65 100  
67 54.3 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: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

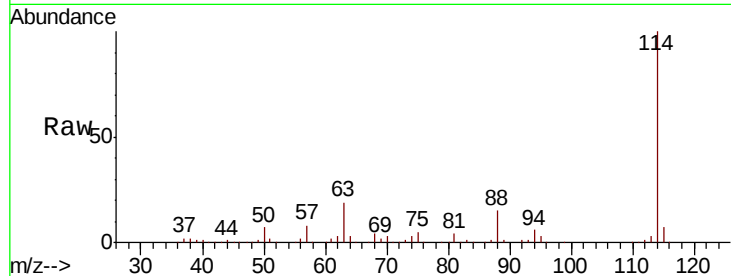
Tot Ion:114 Resp: 570980

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

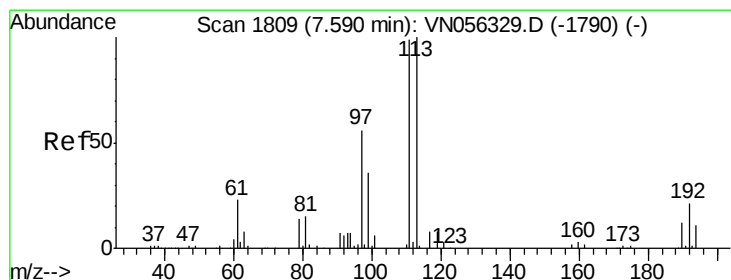
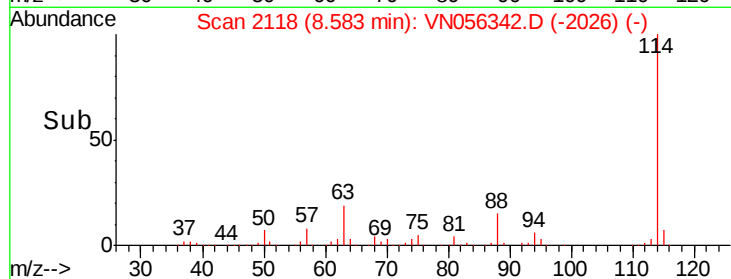
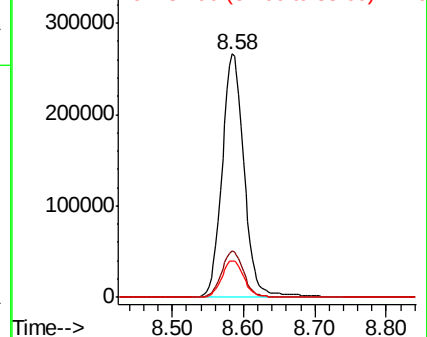
88 15.2 0.0 30.6



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: 46.149 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

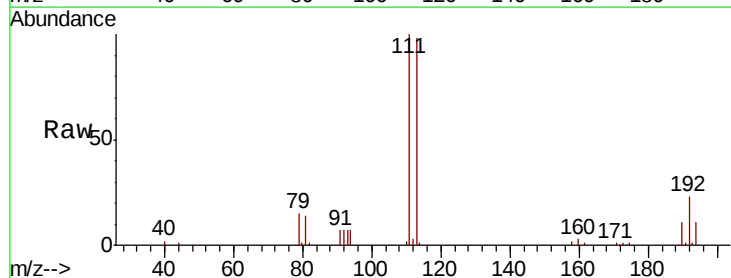
Tgt Ion:113 Resp: 168979

Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

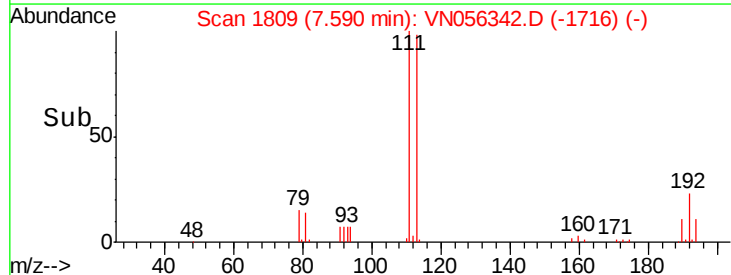
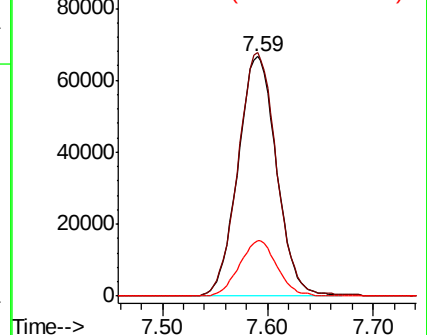
192 22.7 17.6 26.4

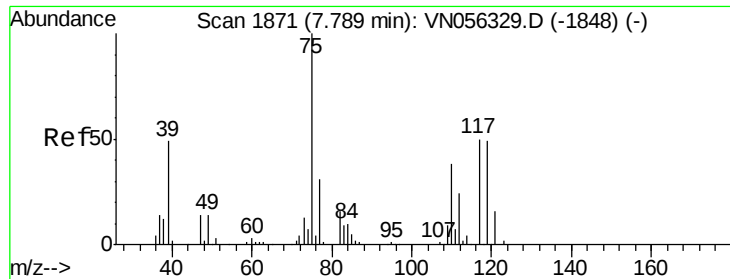


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

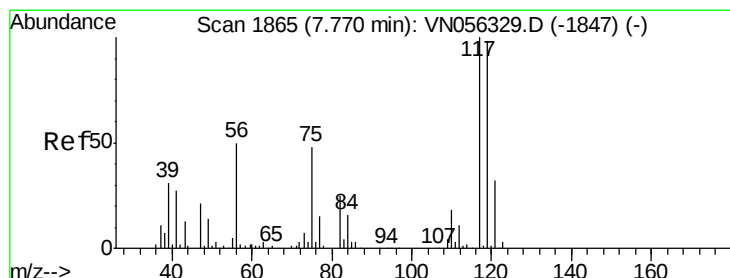
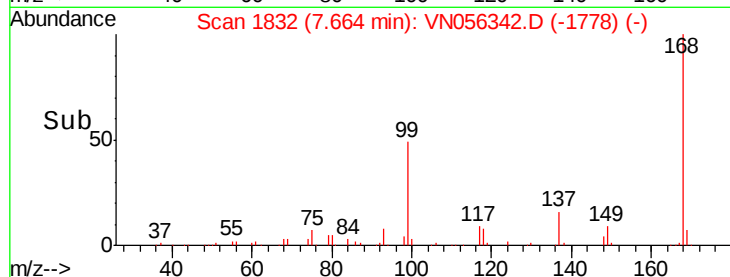
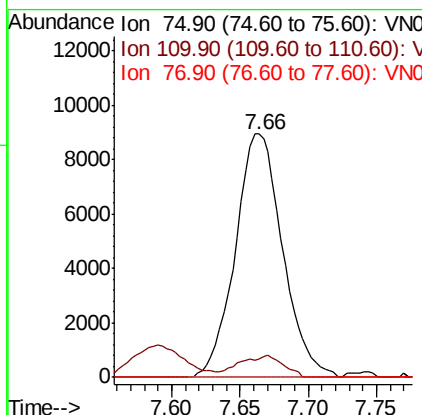
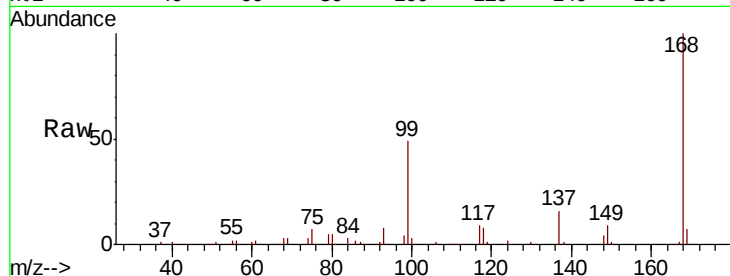




#36  
 1,1-Dichloropropene  
 Concen: 4.188 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN056342.D  
 Acq: 17 Jun 2019 15:58

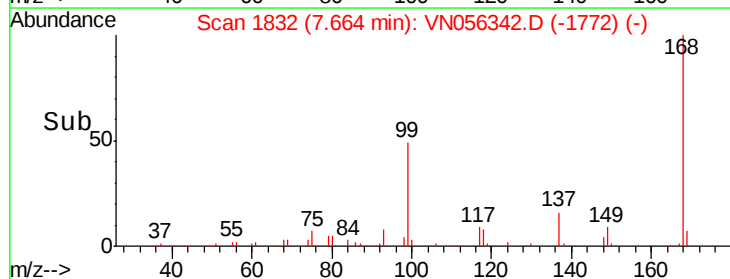
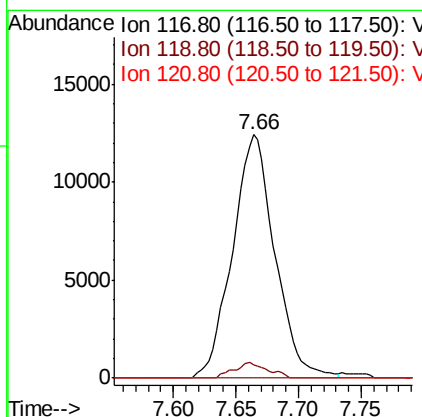
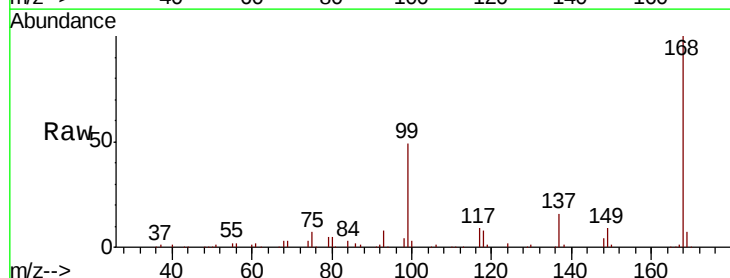
Instrument :  
 MSVOA\_N  
 ClientSampleId :

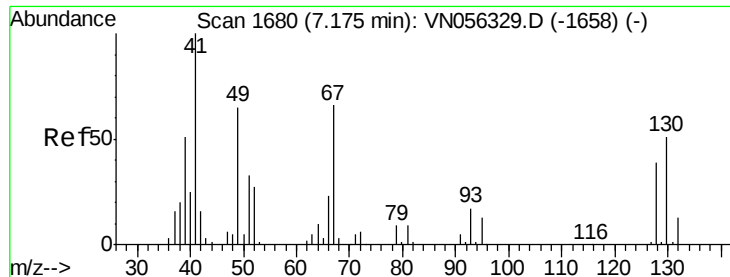
| Tot Ion   | 75    | Resp  | 21518 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 8.4   | 18.6  | 56.0# |
| 77        | 0.0   | 25.0  | 37.6# |



#38  
 Carbon Tetrachloride  
 Concen: 5.907 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.11 min  
 Lab File: VN056342.D  
 Acq: 17 Jun 2019 15:58

| Tgt Ion   | 117   | Resp  | 29130  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 5.5   | 77.8  | 116.8# |
| 121       | 0.0   | 25.3  | 37.9#  |

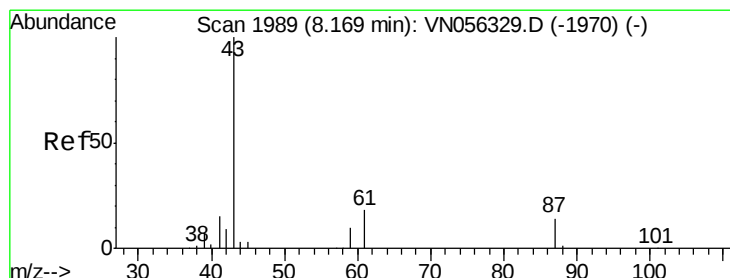
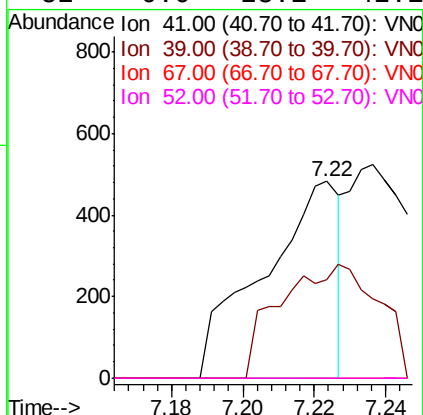
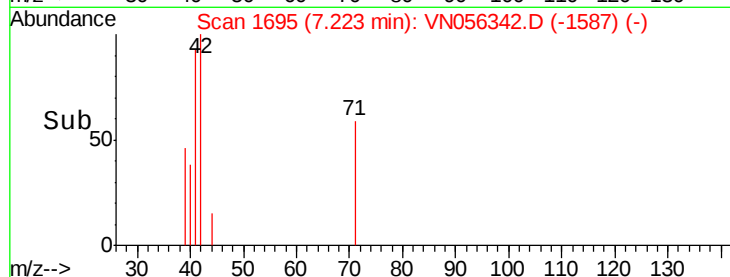
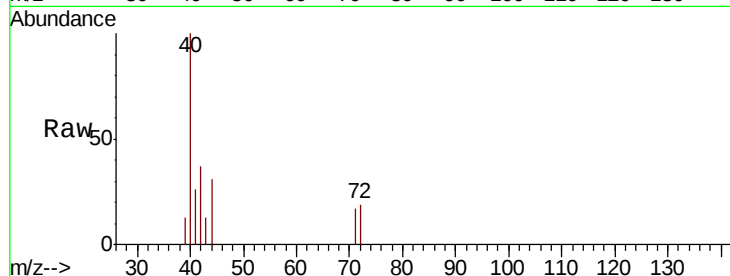




#41  
Methacrylonitrile  
Concen: 0.321 ug/l  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.05 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

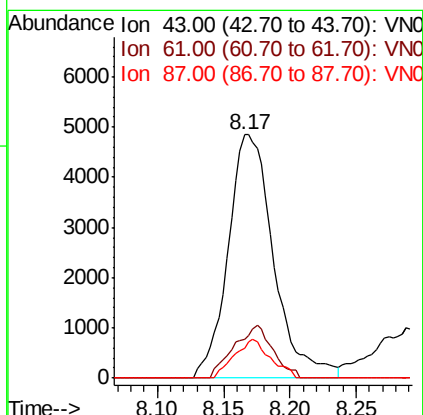
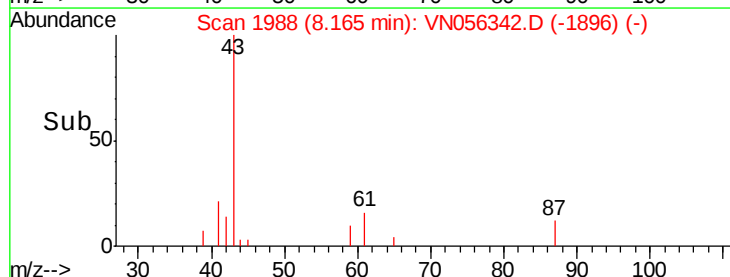
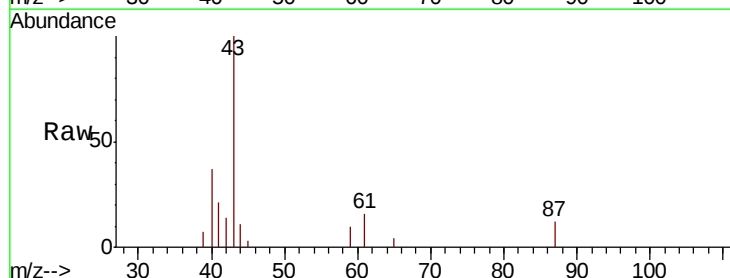
Instrument :  
MSVOA\_N  
ClientSampleId :

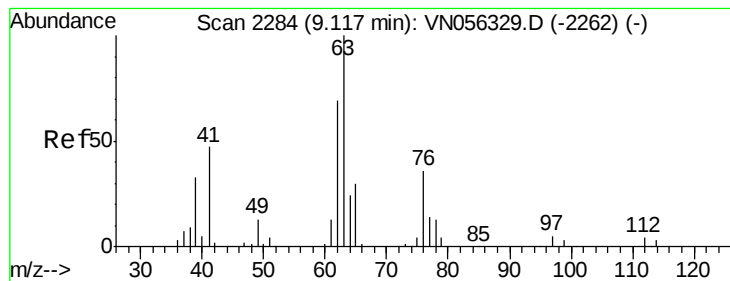
Tot Ion: 41 Resp: 717  
Ion Ratio Lower Upper  
41 100  
39 74.3 44.5 66.7#  
67 0.0 69.0 103.4#  
52 0.0 28.1 42.1#



#43  
Isopropyl Acetate  
Concen: 1.486 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Tgt Ion: 43 Resp: 11572  
Ion Ratio Lower Upper  
43 100  
61 18.5 16.6 25.0  
87 12.7 11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.306 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

Instrument :

MSVOA\_N

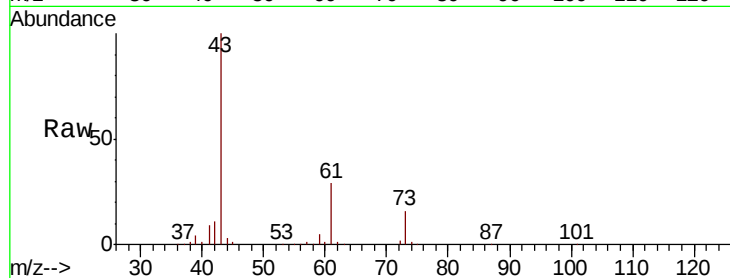
ClientSampleId :

Tot Ion: 63 Resp: 1262

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

800

600

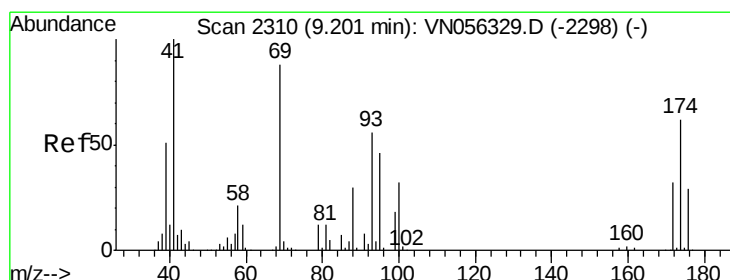
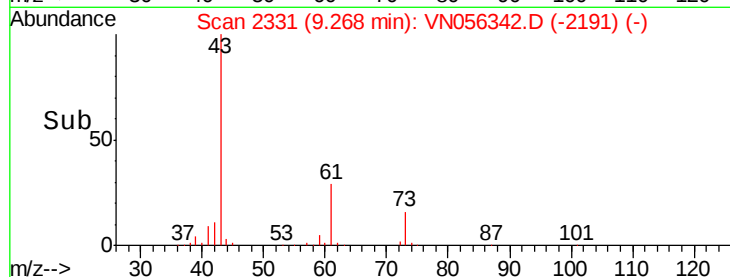
400

200

0

9.24 9.26 9.28 9.30

Time-->



#48

Methyl methacrylate

Concen: 2.253 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

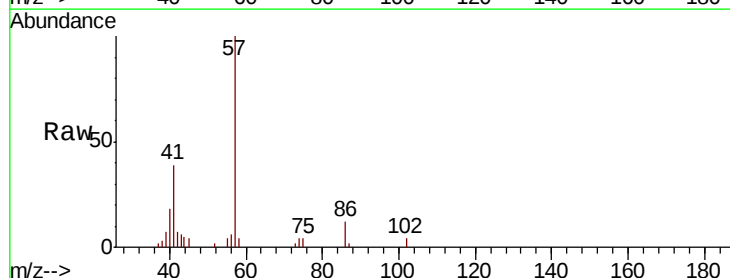
Tgt Ion: 41 Resp: 8852

Ion Ratio Lower Upper

41 100

69 0.0 71.0 106.6#

39 19.9 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

60000

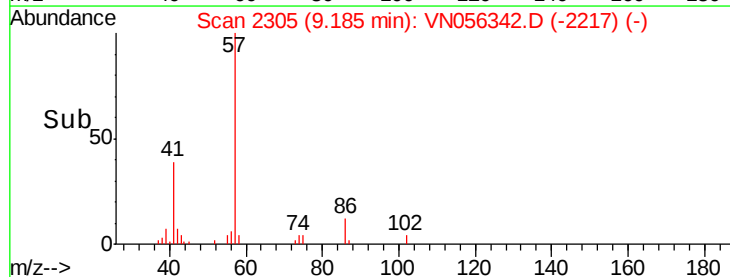
40000

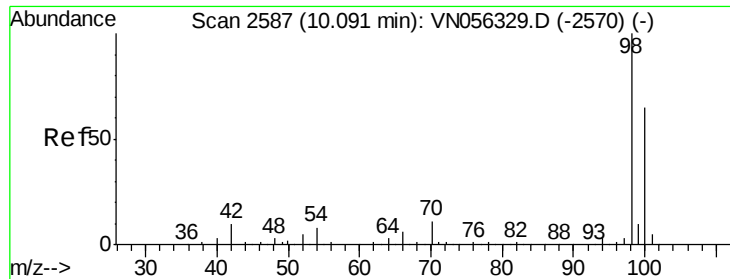
20000

0

9.10 9.15 9.20 9.25

Time-->





#50

Toluene-d8

Concen: 51.090 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

Instrument :

MSVOA\_N

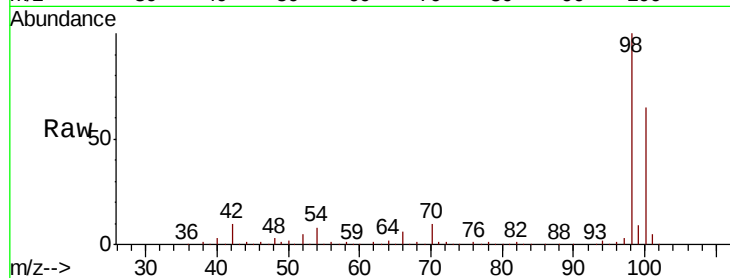
ClientSampled :

Tot Ion: 98 Resp: 714652

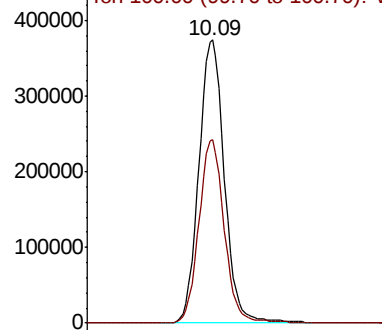
Ion Ratio Lower Upper

98 100

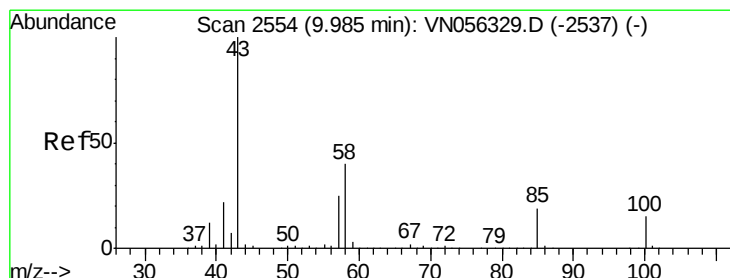
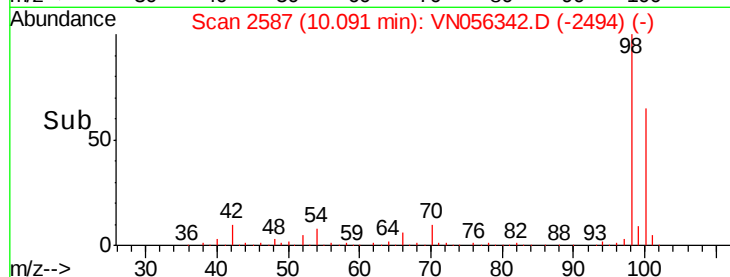
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN056329.D (-2570) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.958 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056342.D

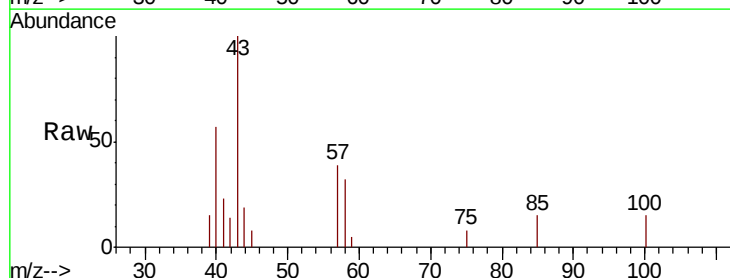
Acq: 17 Jun 2019 15:58

Tgt Ion: 43 Resp: 4757

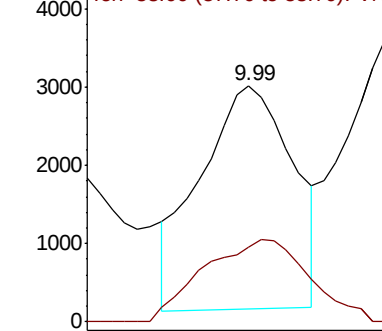
Ion Ratio Lower Upper

43 100

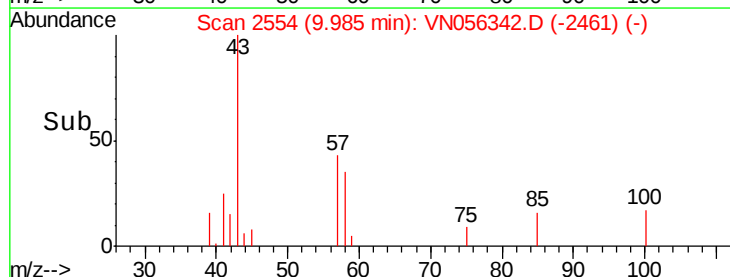
58 42.1 31.8 47.6

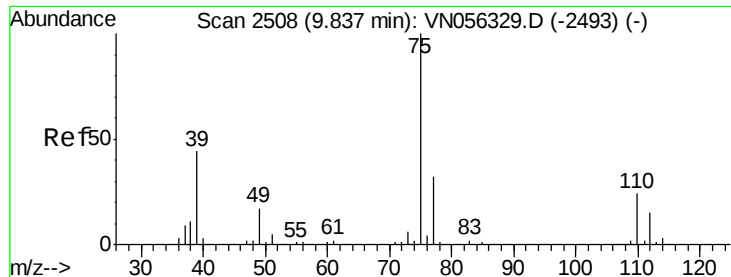


Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-2537) (-)



Time-->



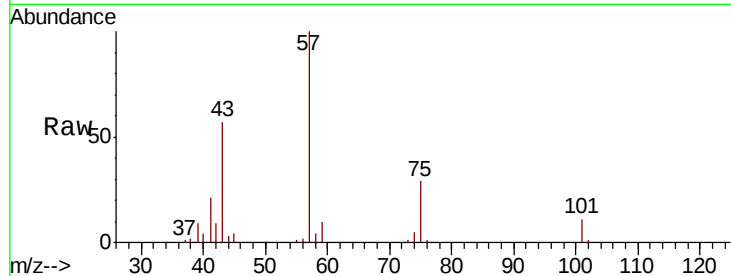


#54

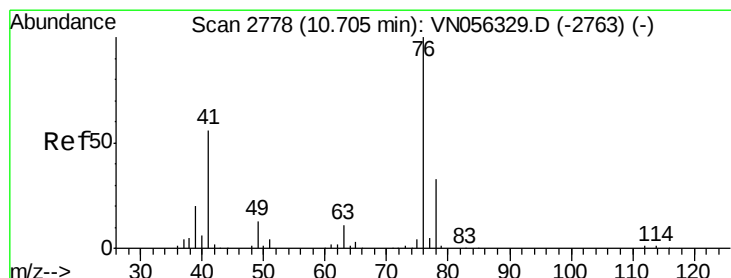
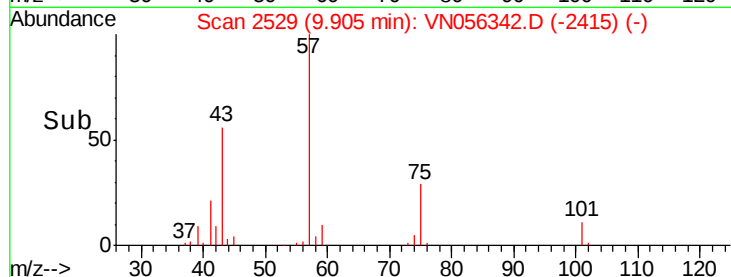
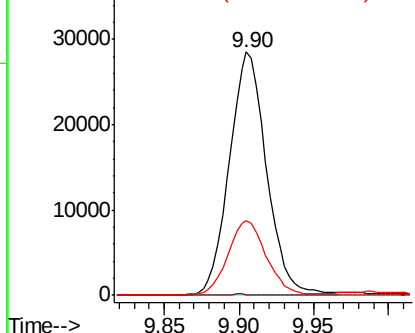
cis-1,3-Dichloropropene  
 Concen: 8.250 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. 0.07 min  
 Lab File: VN056342.D  
 Acq: 17 Jun 2019 15:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion: 75 Resp: 49415  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.7 38.5#  
 39 29.9 35.4 53.0#



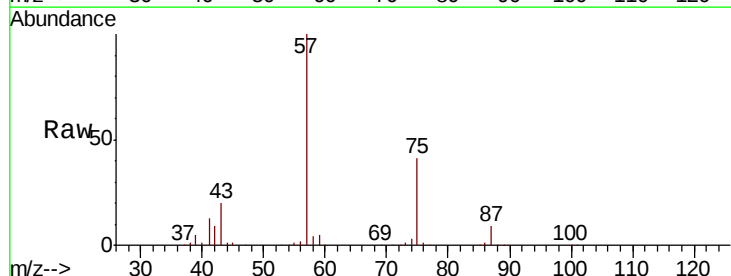
Abundance Ion 74.90 (74.60 to 75.60): VNO  
 Ion 76.90 (76.60 to 77.60): VNO  
 Ion 39.00 (38.70 to 39.70): VNO



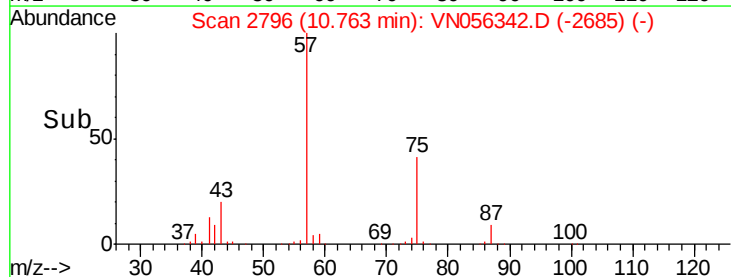
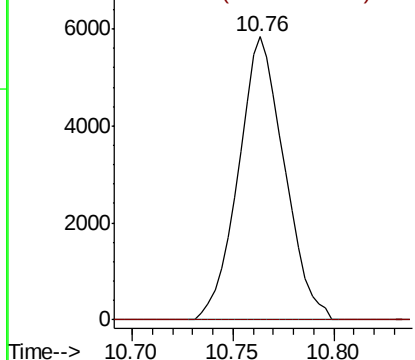
#57

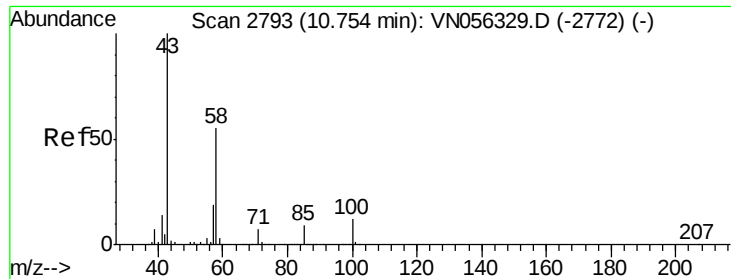
1,3-Dichloropropane  
 Concen: 1.413 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.06 min  
 Lab File: VN056342.D  
 Acq: 17 Jun 2019 15:58

Tgt Ion: 76 Resp: 9305  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VNO  
 Ion 77.90 (77.60 to 78.60): VNO

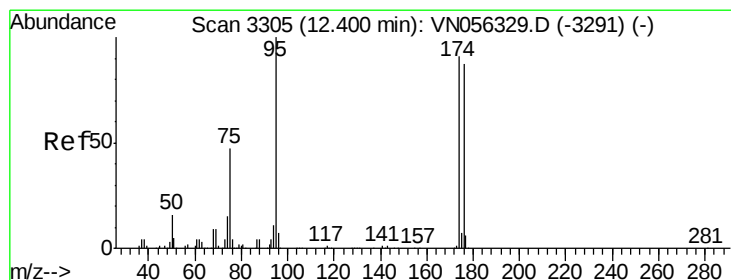
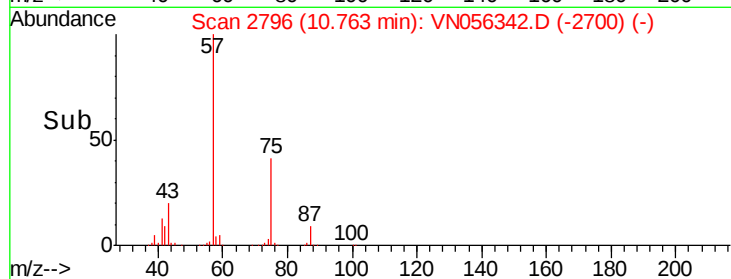
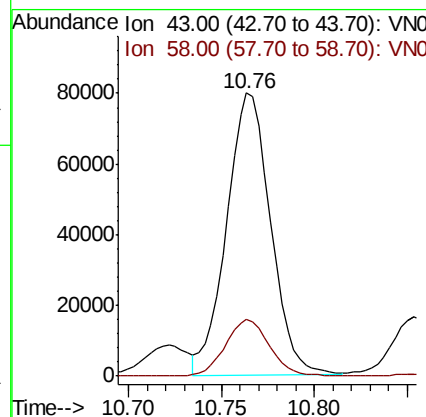
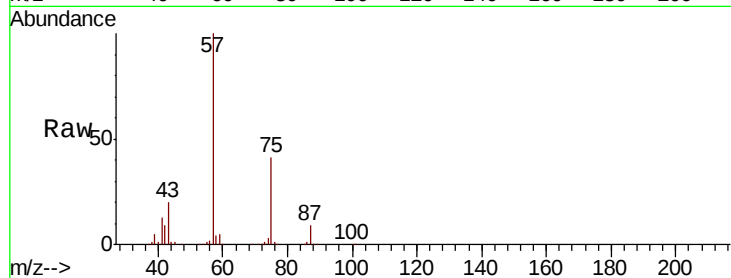




#59  
2-Hexanone  
Concen: 35.744 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

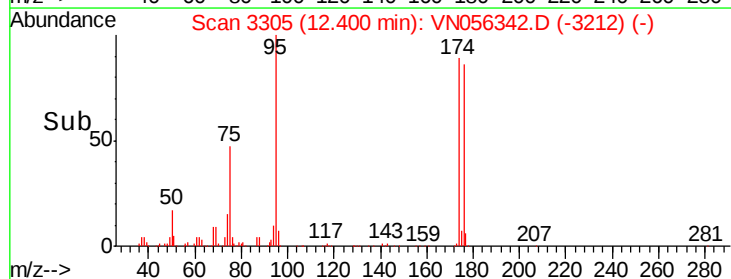
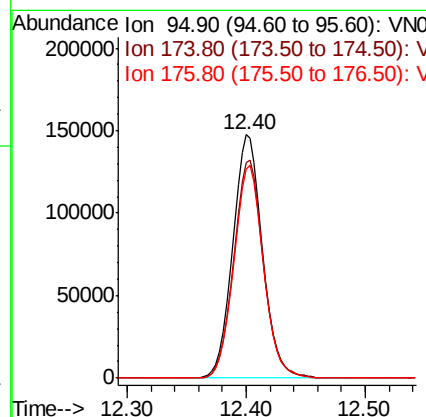
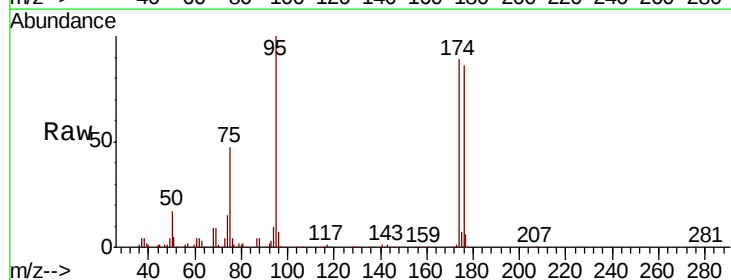
Instrument :  
MSVOA\_N  
ClientSampleId :

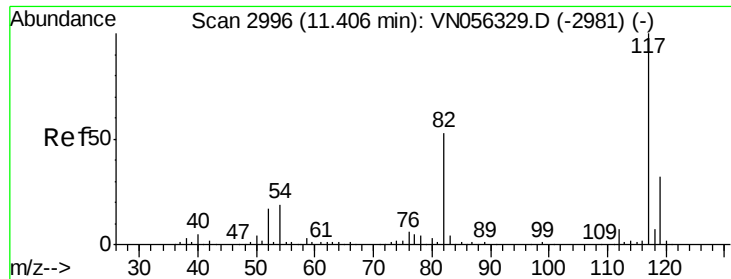
Tot Ion: 43 Resp: 131600  
Ion Ratio Lower Upper  
43 100  
58 20.3 27.8 83.4#



#62  
4-Bromofluorobenzene  
Concen: 54.706 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Tgt Ion: 95 Resp: 253581  
Ion Ratio Lower Upper  
95 100  
174 90.1 0.0 182.6  
176 87.5 0.0 176.8

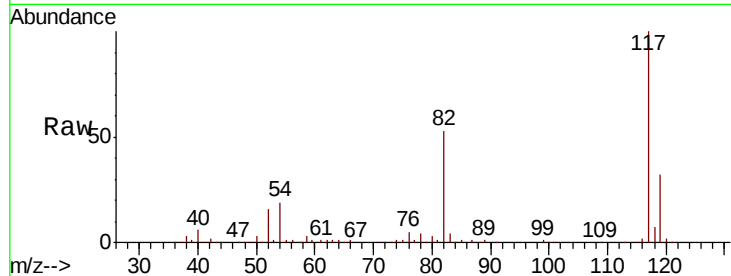




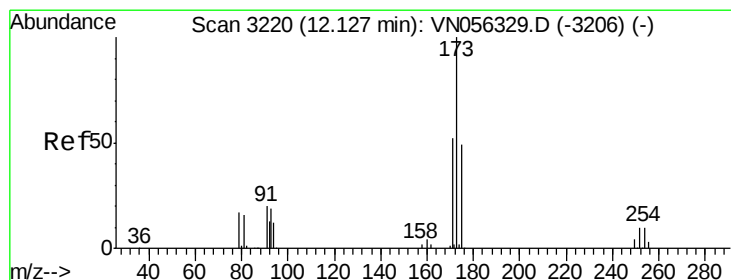
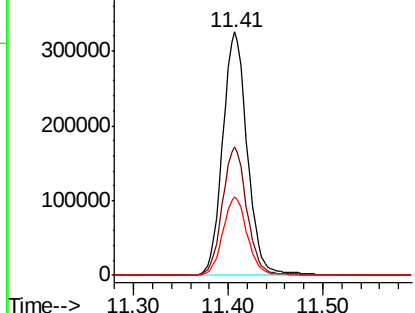
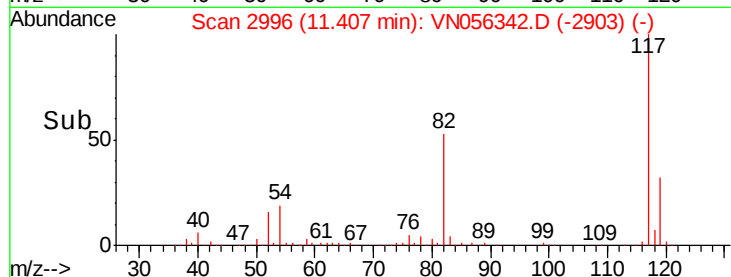
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 588888  
Ion Ratio Lower Upper  
117 100  
82 52.8 42.4 63.6  
119 32.1 26.0 39.0

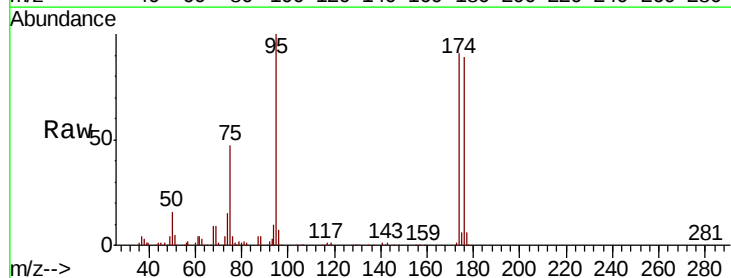


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

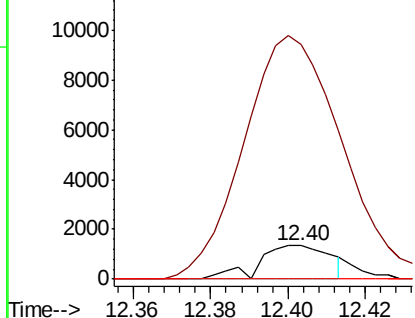
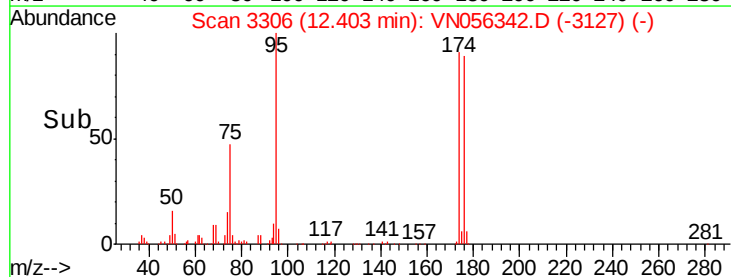


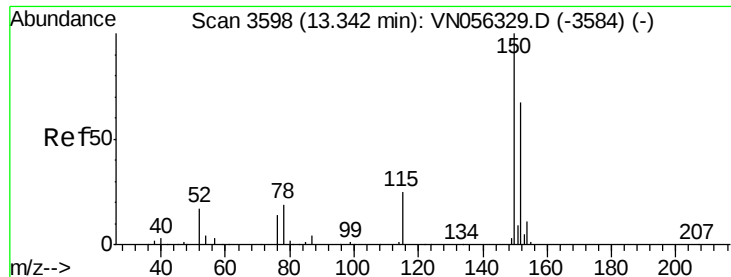
#71  
Bromoform  
Concen: 0.498 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.28 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Tgt Ion:173 Resp: 1726  
Ion Ratio Lower Upper  
173 100  
175 857.3 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



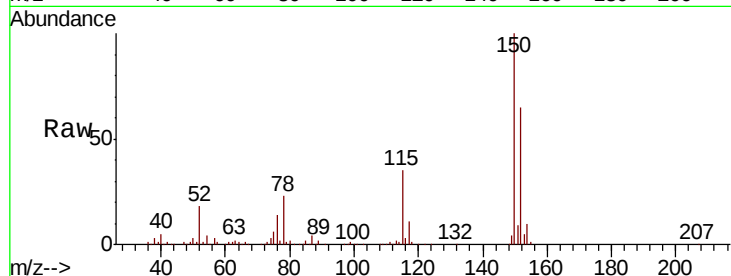


#72

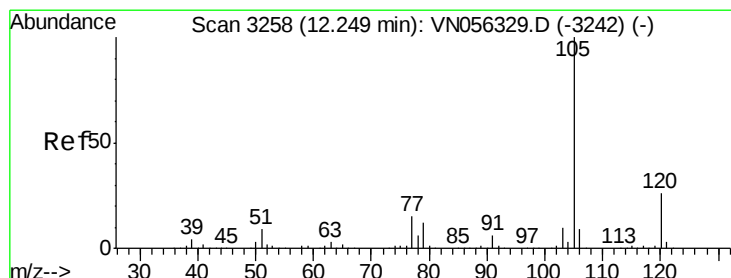
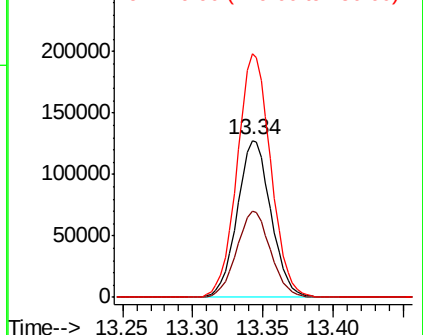
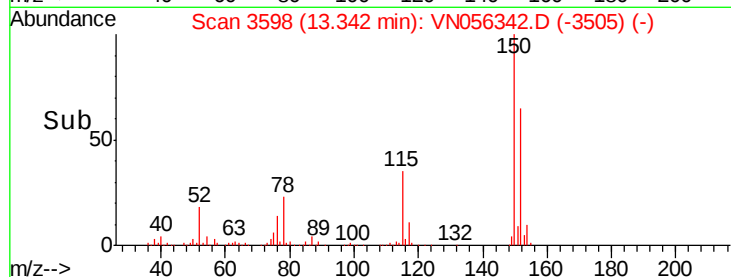
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:152 Resp: 213789  
Ion Ratio Lower Upper  
152 100  
115 55.3 27.8 83.3  
150 154.9 0.0 345.8



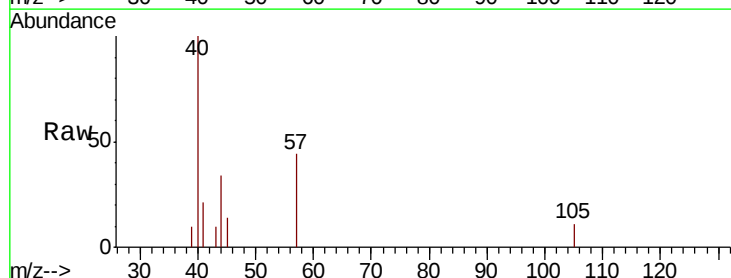
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



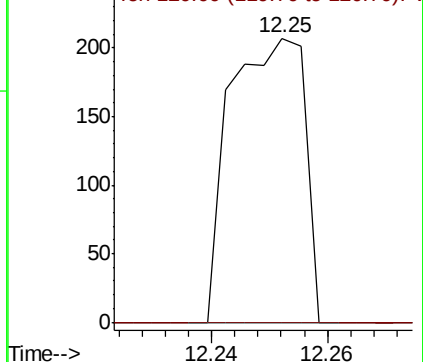
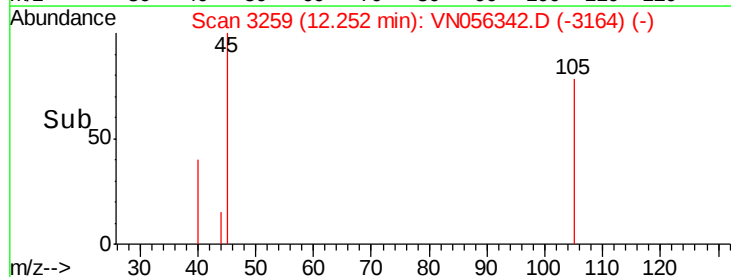
#73

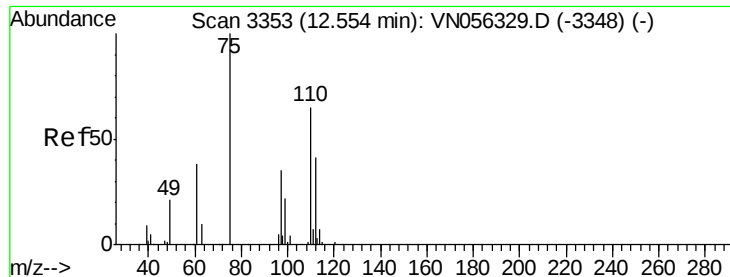
Isopropylbenzene  
Concen: Below Cal  
RT: 12.25 min Scan# 3259  
Delta R.T. 0.00 min  
Lab File: VN056342.D  
Acq: 17 Jun 2019 15:58

Tgt Ion:105 Resp: 184  
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





#76

1,2,3-Trichloropropane

Concen: 26.098 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

Instrument :

MSVOA\_N

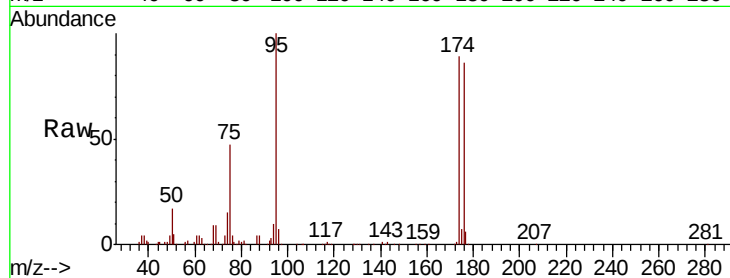
ClientSampleId :

Tot Ion: 75 Resp: 119207

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

12.40

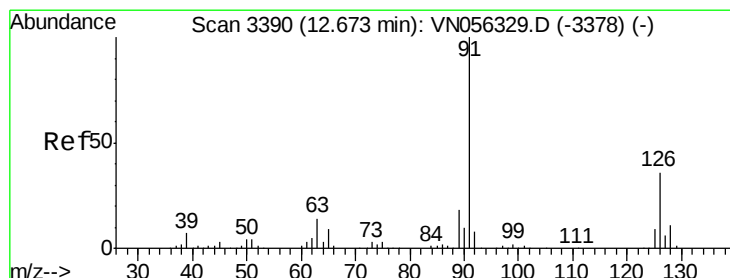
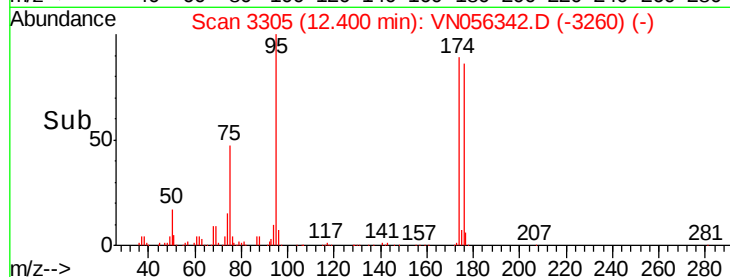
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056342.D

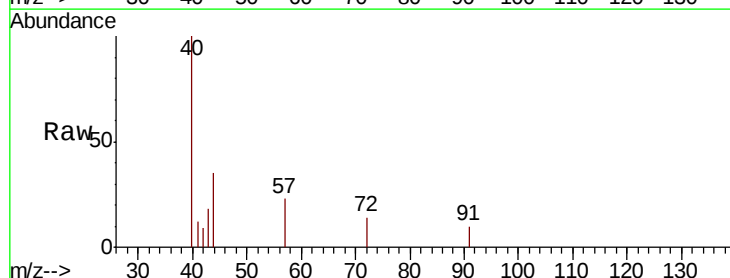
Acq: 17 Jun 2019 15:58

Tgt Ion: 91 Resp: 94

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

12.67

200

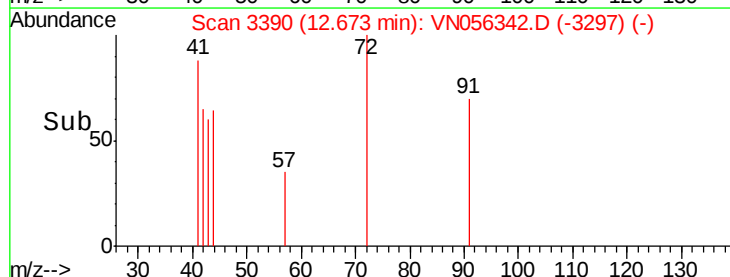
150

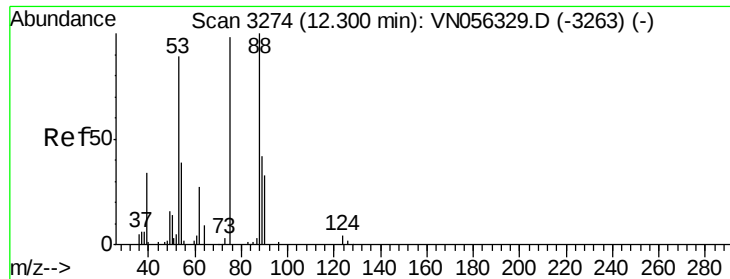
100

50

0

Time--> 12.66 12.67 12.68





#81

trans-1,4-Dichloro-2-butene

Concen: 81.084 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056342.D

Acq: 17 Jun 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

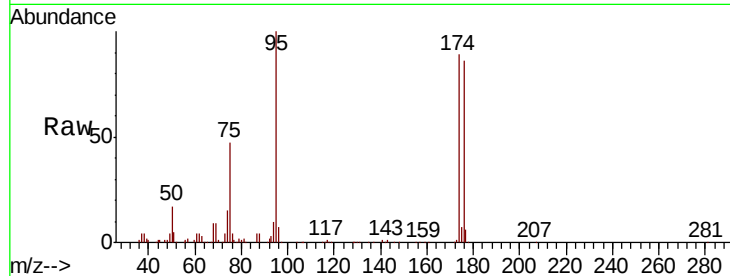
Tot Ion: 75 Resp: 119207

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

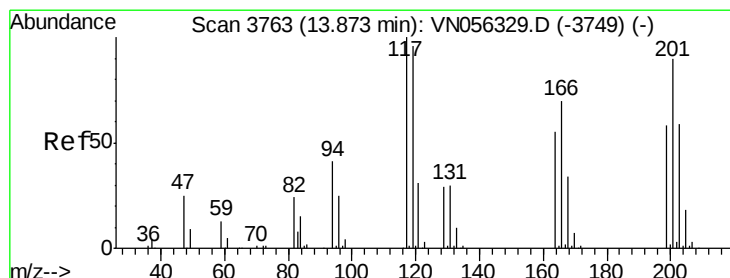
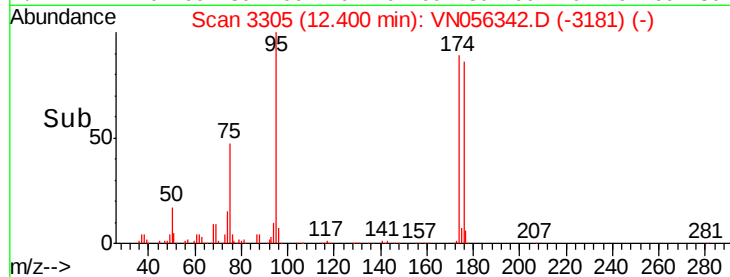
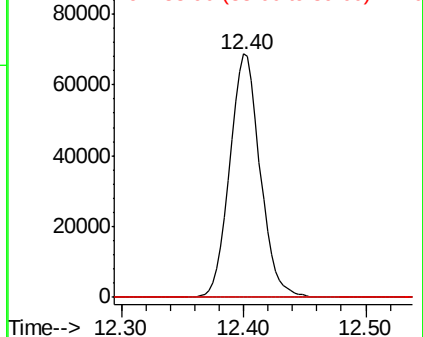
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#90

Hexachloroethane

Concen: Below Cal

RT: 14.00 min Scan# 3803

Delta R.T. 0.13 min

Lab File: VN056342.D

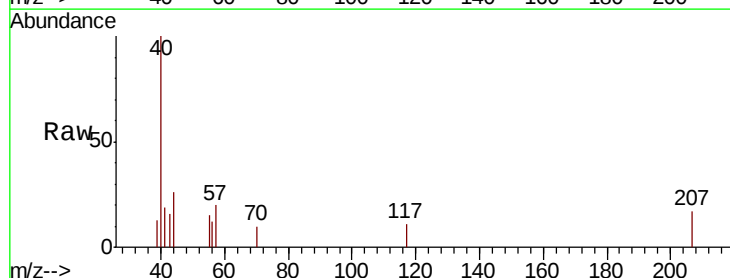
Acq: 17 Jun 2019 15:58

Tgt Ion: 117 Resp: 151

Ion Ratio Lower Upper

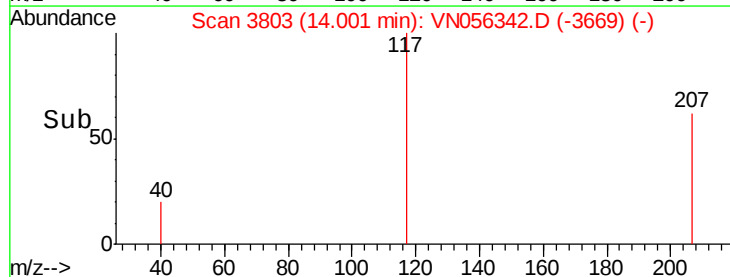
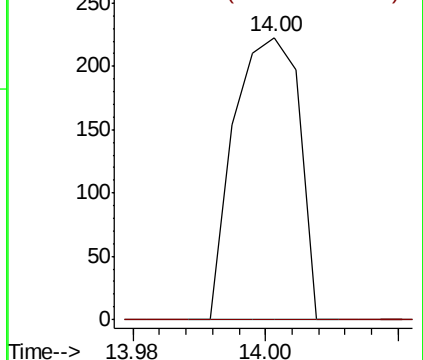
117 100

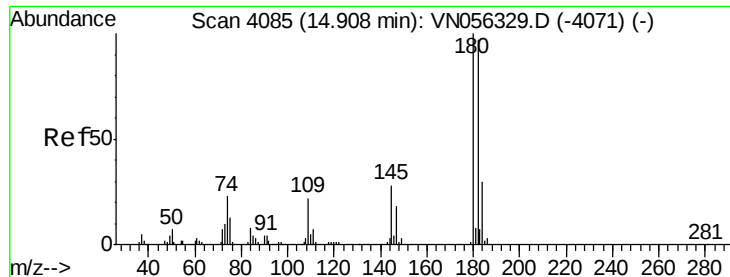
201 0.0 45.8 137.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

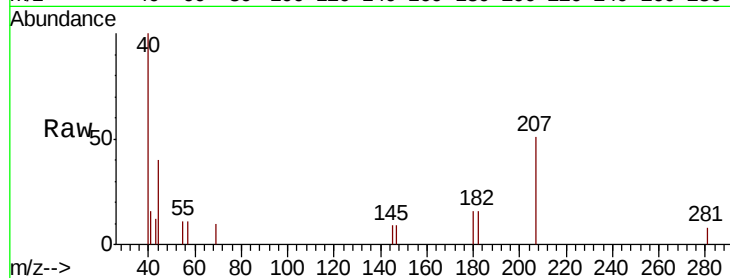




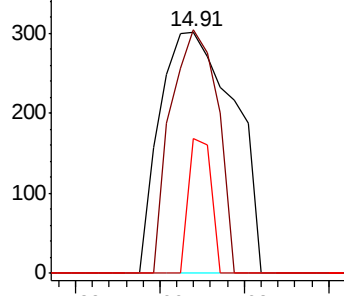
#93  
 1,2,4-Trichlorobenzene  
 Concen: 5.396 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN056342.D  
 Acq: 17 Jun 2019 15:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :

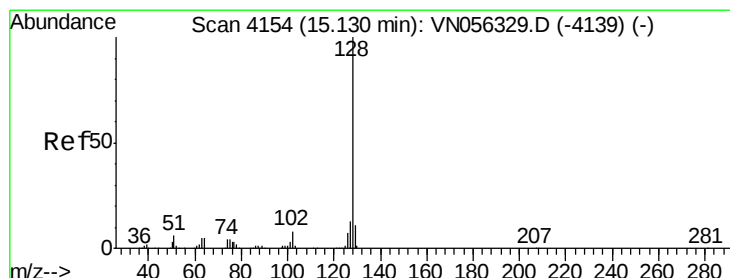
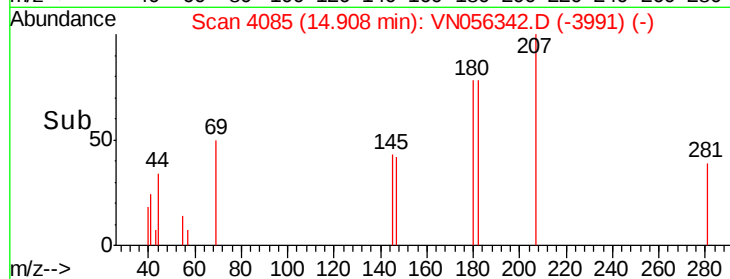
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 63.8  | 47.4  | 142.3 |
| 145     | 17.0  | 14.0  | 41.9  |



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

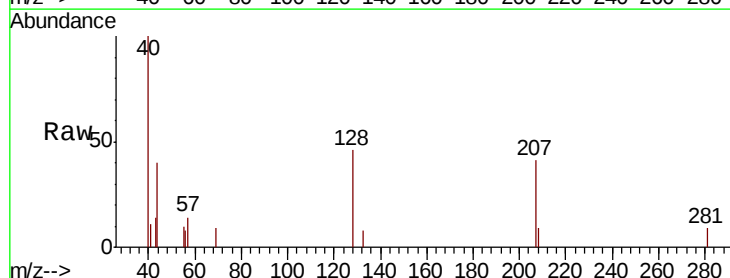


Time--> 14.88 14.90 14.92

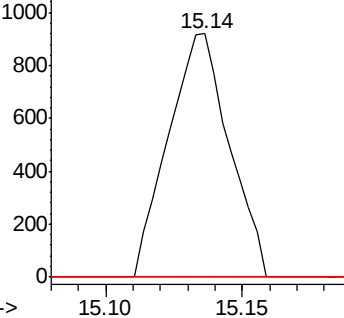


#95  
 Naphthalene  
 Concen: 4.793 ug/l  
 RT: 15.14 min Scan# 4156  
 Delta R.T. 0.01 min  
 Lab File: VN056342.D  
 Acq: 17 Jun 2019 15:58

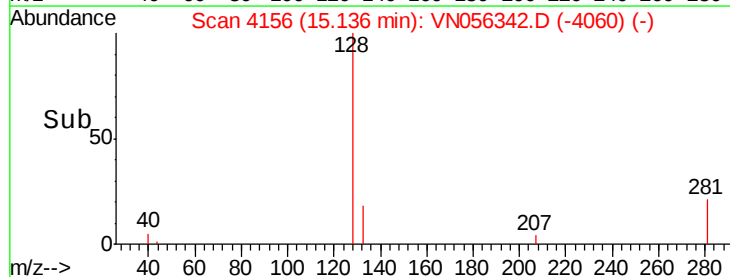
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 0.0   | 10.6  | 15.8# |
| 129     | 0.0   | 8.6   | 12.8# |

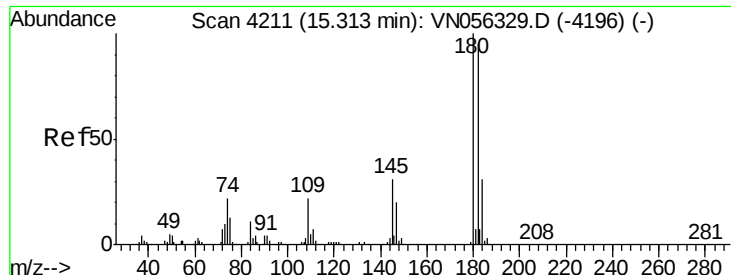


Abundance Ion 128.00 (127.70 to 128.70): V  
 Ion 127.00 (126.70 to 127.70): V  
 Ion 129.00 (128.70 to 129.70): V



Time--> 15.10 15.15





#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.905 ug/l  
 RT: 15.32 min Scan# 4213  
 Delta R.T. 0.01 min  
 Lab File: VN056342.D  
 Acq: 17 Jun 2019 15:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 66.2  | 47.1  | 141.4 |
| 145     | 28.9  | 14.9  | 44.9  |

