

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\  
 Data File : VN055896.D  
 Acq On : 30 May 2019 13:23  
 Operator : JC/SP  
 Sample : K3090-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: May 30 17:14:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 354262   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 536072   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 497737   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 176567   | 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   | 183060   | 50.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.08% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 158155   | 46.66 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.32%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 643252   | 49.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.96%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 213090   | 47.80 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.60%  |          |

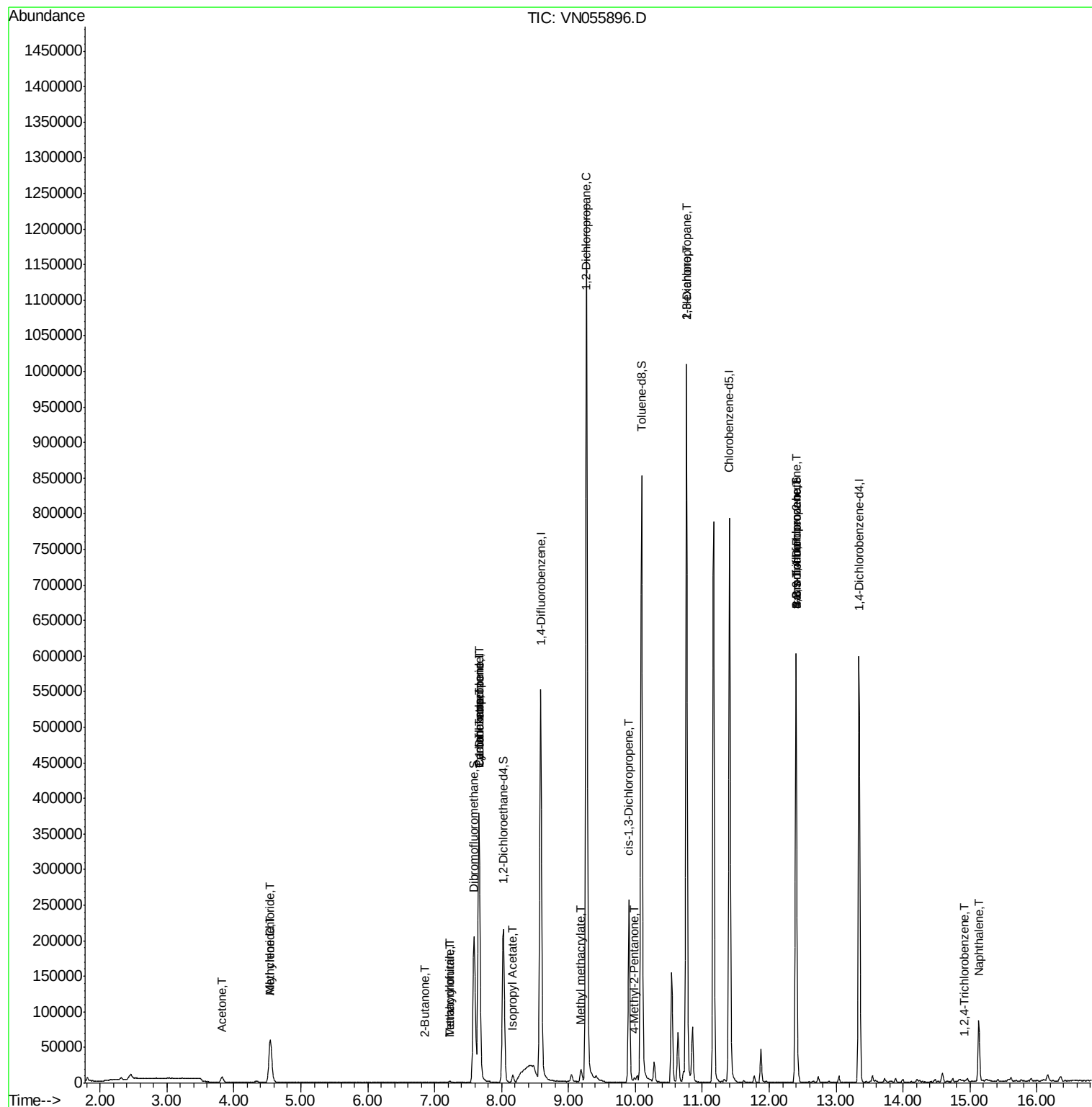
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 14) Allyl chloride             | 4.54  | 41   | 1062     | 0.206     | ug/l # | 26     |
| 16) Acetone                    | 3.82  | 43   | 13230    | 8.227     | ug/l   | 100    |
| 20) Methylene Chloride         | 4.54  | 84   | 49163    | 14.116    | ug/l   | 99     |
| 25) 2-Butanone                 | 6.86  | 43   | 2351     | 1.047     | ug/l # | 89     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 1663     | 1.169     | ug/l # | 58     |
| 31) Cyclohexane                | 7.66  | 56   | 5462     | 0.995     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 21516    | 4.606     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 29200    | 6.001     | ug/l # | 14     |
| 41) Methacrylonitrile          | 7.22  | 41   | 876      | 0.384     | ug/l # | 27     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 11995    | 1.581     | ug/l # | 89     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 1564     | 0.426     | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.18  | 41   | 6649     | 1.902     | ug/l # | 12     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 4154     | 0.927     | ug/l   | 89     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 50195    | 8.605     | ug/l # | 59     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 11151    | 1.934     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43   | 143647   | 45.194    | ug/l # | 50     |
| 71) Bromoform                  | 12.40 | 173  | 1513     | 0.446     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.26 | 105  | 318      | Below Cal | #      | 48     |
| 74) N-amyl acetate             | 12.06 | 43   | 821      | Below Cal | #      | 43     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 99340    | 31.510    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 62       | Below Cal | #      | 39     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 4613     | Below Cal |        | 93     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 99340    | 75.699    | ug/l # | 15     |
| 83) tert-Butylbenzene          | 13.04 | 119  | 570      | Below Cal | #      | 59     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 5539     | Below Cal |        | 100    |
| 85) sec-Butylbenzene           | 13.17 | 105  | 685      | Below Cal | #      | 55     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 178      | 3.685     | ug/l # | 62     |
| 95) Naphthalene                | 15.13 | 128  | 78408    | 9.600     | ug/l   | 99     |

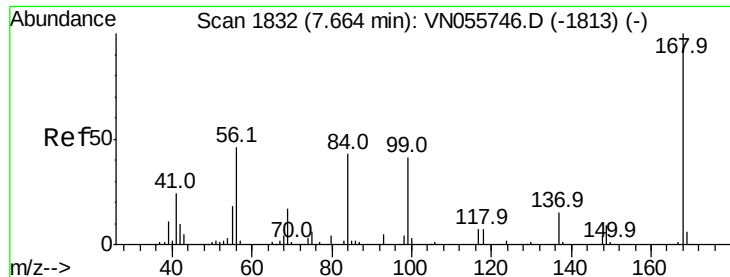
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 30 17:14:38 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 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: VN055896.D

Acq: 30 May 2019 13:23

Instrument :

MSVOA\_N

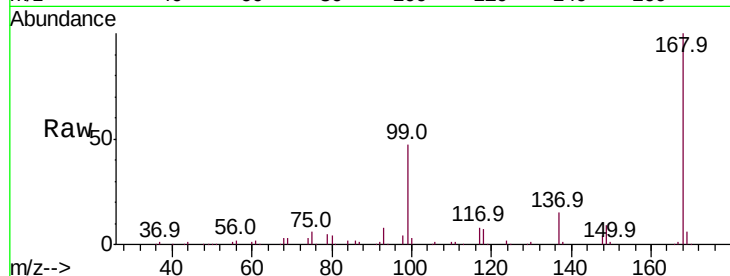
ClientSampled :

Tot Ion:168 Resp: 354262

Ion Ratio Lower Upper

168 100

99 47.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

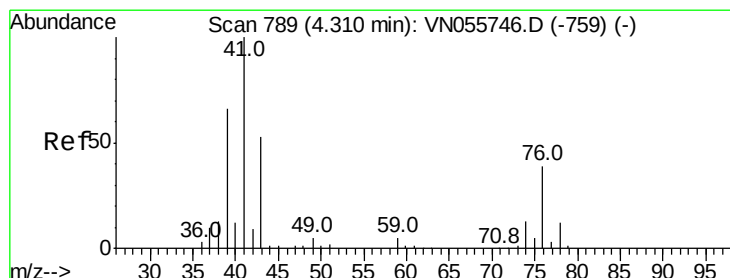
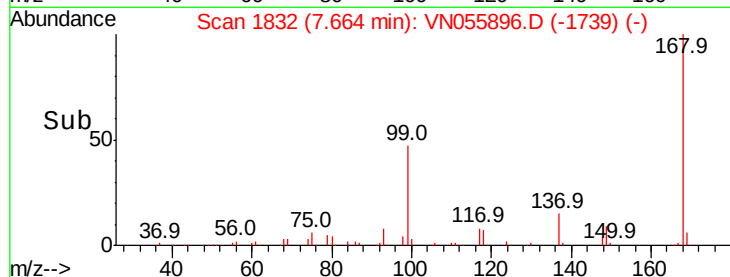
100000

50000

0

Time-->

7.60 7.70 7.80



#14

Allyl chloride

Concen: 0.206 ug/l

RT: 4.54 min Scan# 859

Delta R.T. 0.23 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

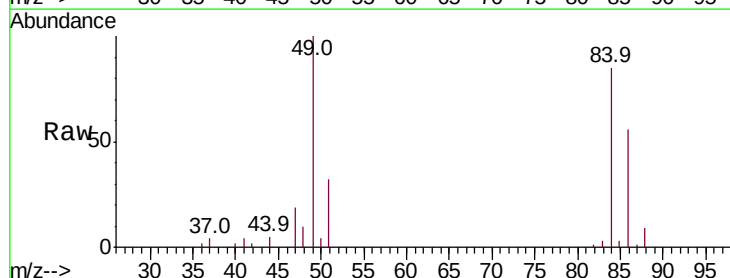
Tgt Ion: 41 Resp: 1062

Ion Ratio Lower Upper

41 100

39 0.0 50.0 75.0#

76 0.0 28.2 42.2#



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

800

600

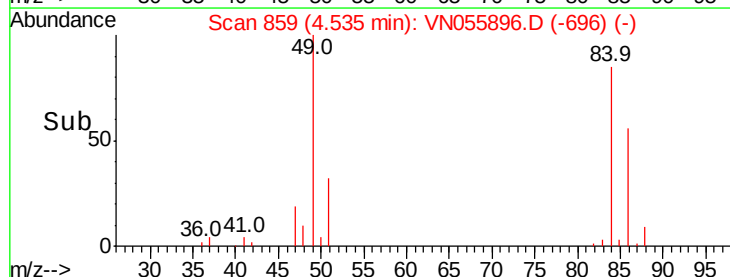
400

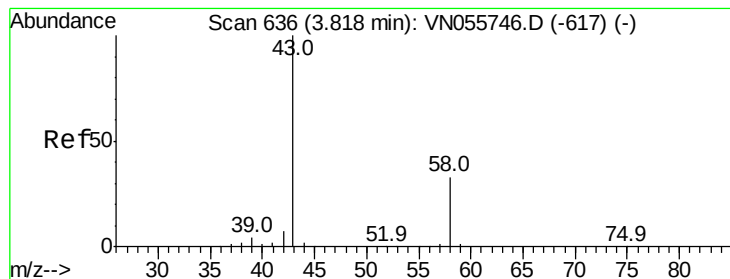
200

0

Time-->

4.50 4.52 4.54 4.56





#16

Acetone

Concen: 8.227 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

Instrument :

MSVOA\_N

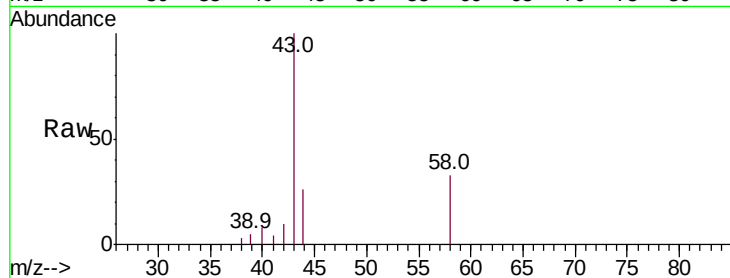
ClientSampled :

Tot Ion: 43 Resp: 13230

Ion Ratio Lower Upper

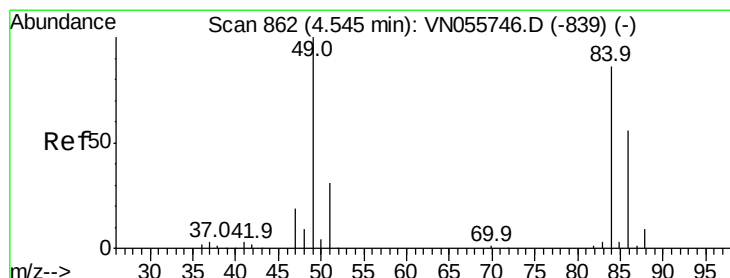
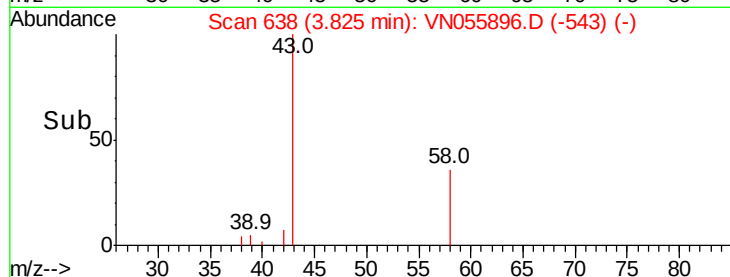
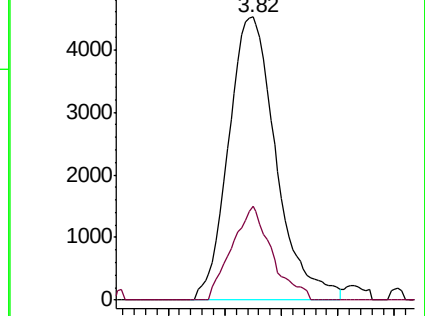
43 100

58 33.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 14.116 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

Tgt Ion: 84 Resp: 49163

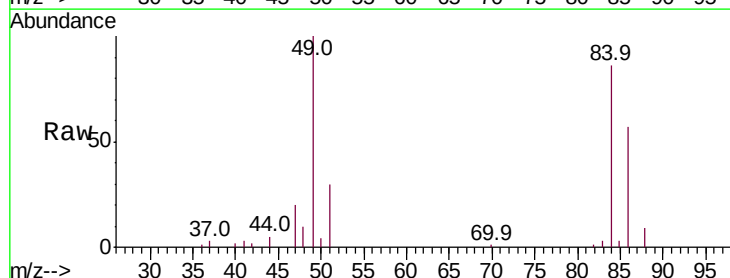
Ion Ratio Lower Upper

84 100

49 115.9 93.5 140.3

51 34.5 28.6 43.0

86 65.9 52.6 79.0

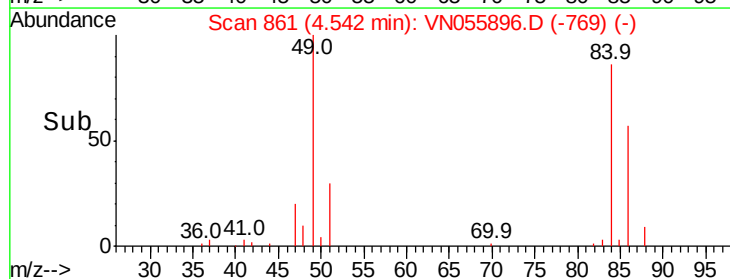
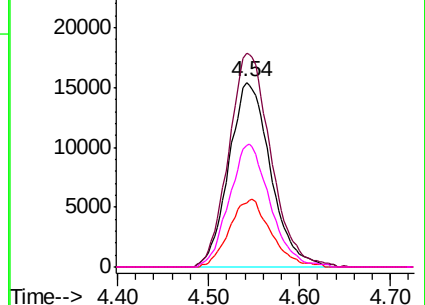


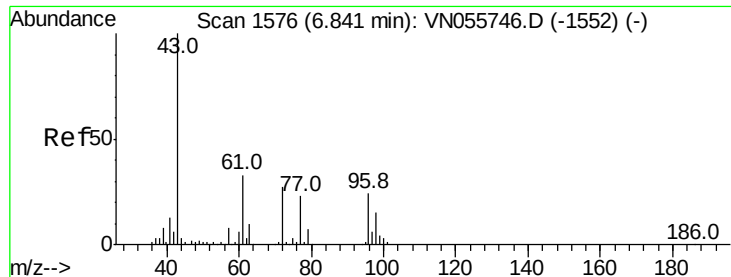
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

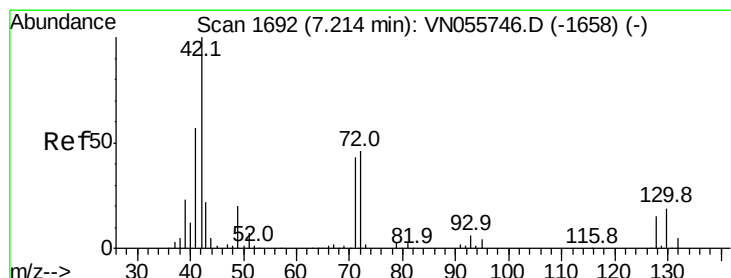
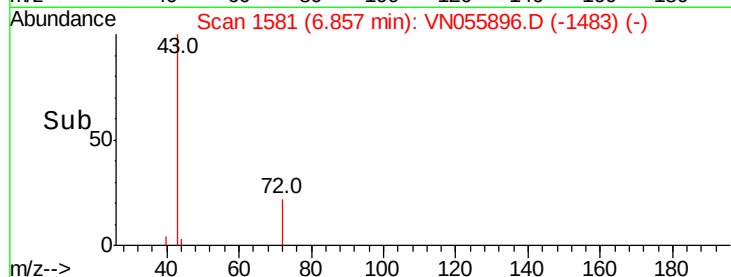
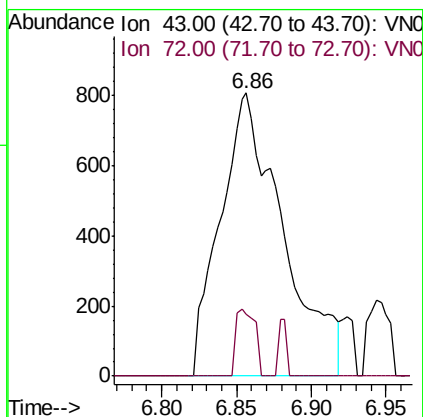
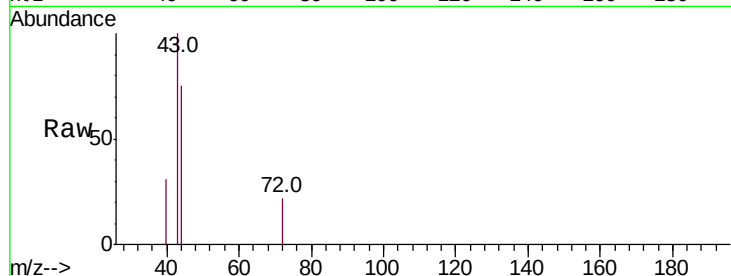




#25  
2-Butanone  
Concen: 1.047 ug/l  
RT: 6.86 min Scan# 1581  
Delta R.T. 0.02 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

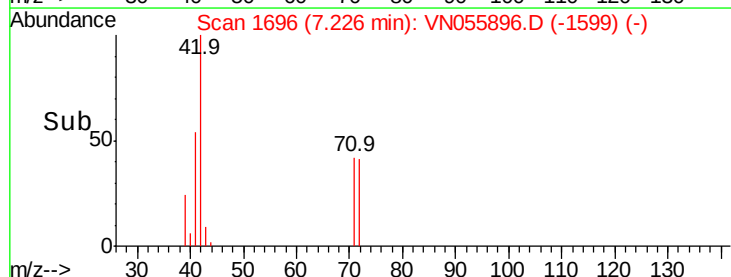
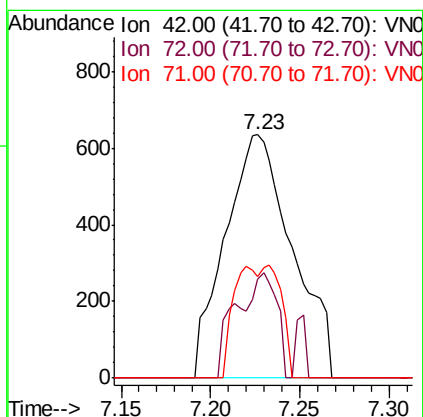
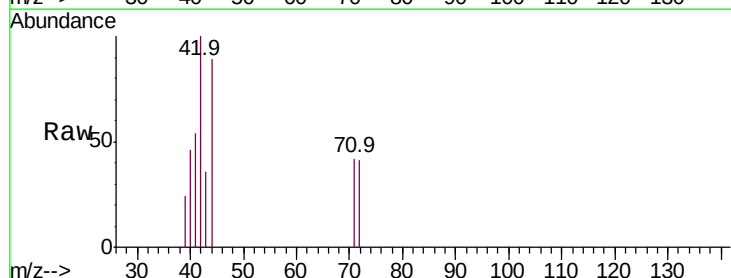
Instrument :  
MSVOA\_N  
ClientSampleId :

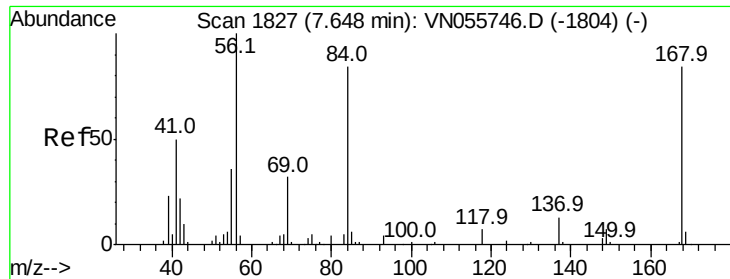
Tot Ion: 43 Resp: 2351  
Ion Ratio Lower Upper  
43 100  
72 21.7 21.9 32.9#



#29  
Tetrahydrofuran  
Concen: 1.169 ug/l  
RT: 7.23 min Scan# 1696  
Delta R.T. 0.01 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

Tgt Ion: 42 Resp: 1663  
Ion Ratio Lower Upper  
42 100  
72 16.0 35.9 53.9#  
71 17.4 34.0 51.0#

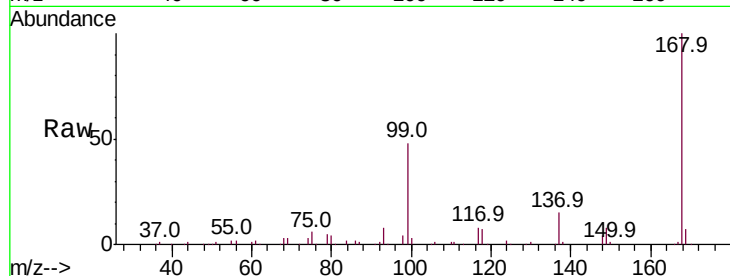




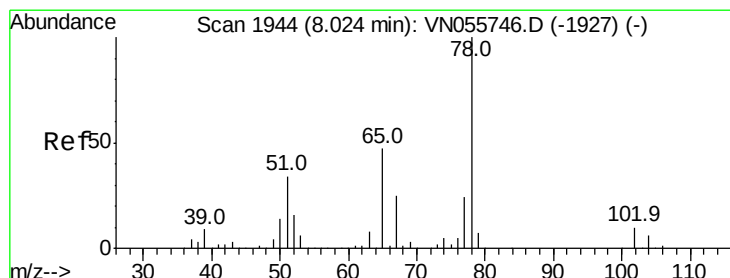
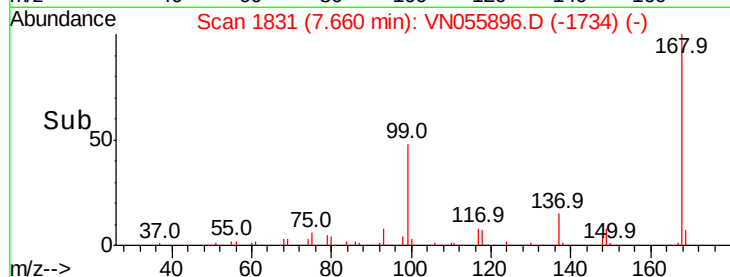
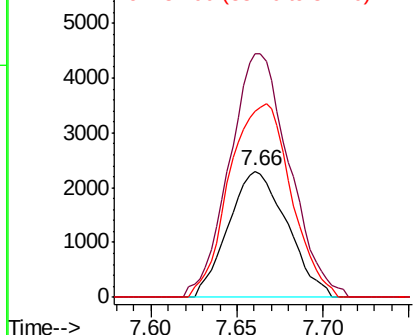
#31  
Cyclohexane  
Concen: 0.995 ug/l  
RT: 7.66 min Scan# 1831  
Delta R.T. 0.01 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 56 Resp: 5462  
Ion Ratio Lower Upper  
56 100  
69 185.6 25.6 38.4#  
84 147.0 67.4 101.0#

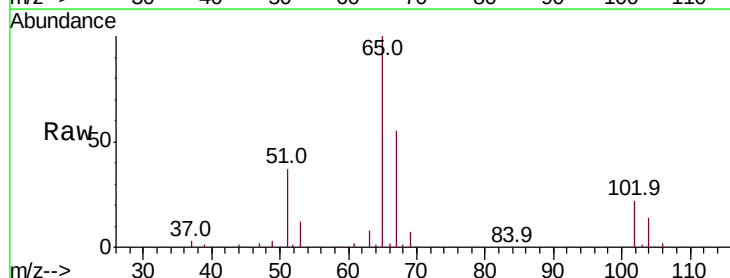


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

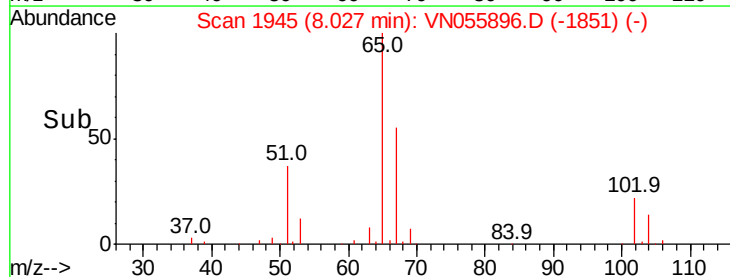
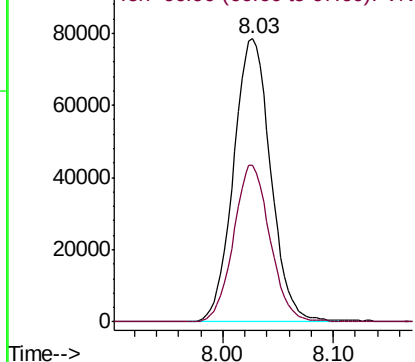


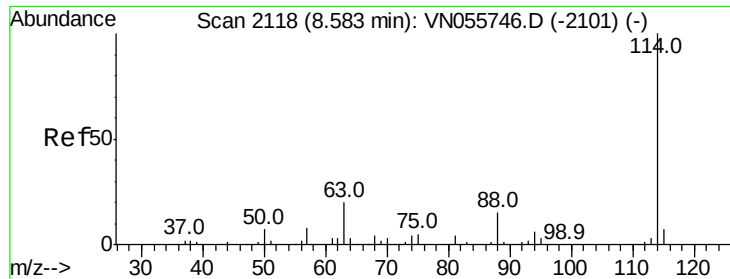
#33  
1,2-Dichloroethane-d4  
Concen: 50.036 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

Tgt Ion: 65 Resp: 183060  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

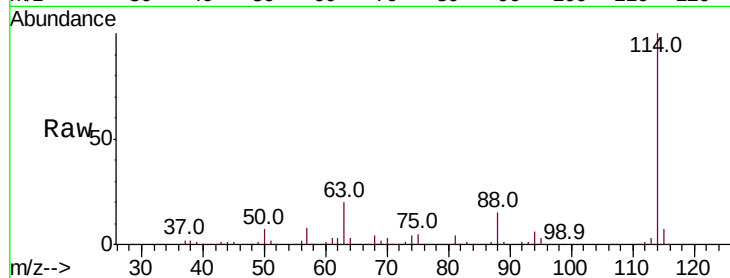




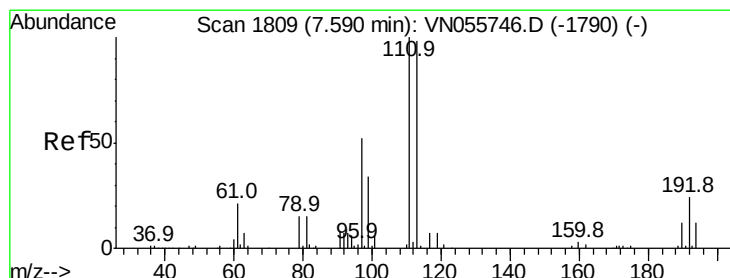
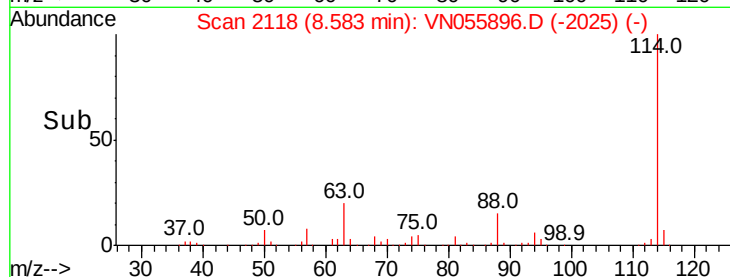
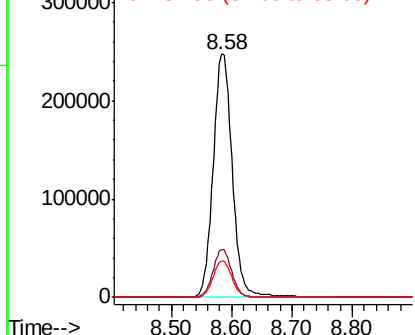
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055896.D  
 Acq: 30 May 2019 13:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:114 Resp: 536072  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 39.2  
 88 15.1 0.0 31.0

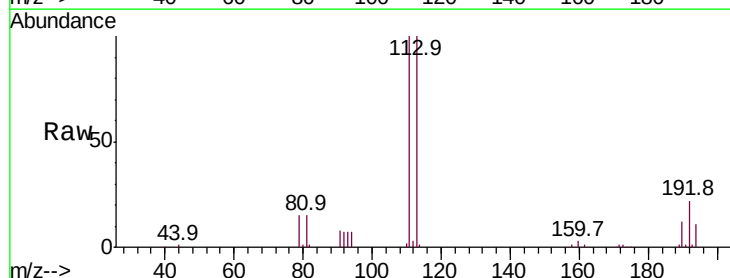


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

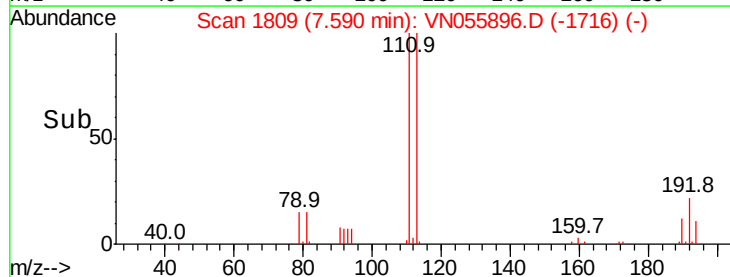
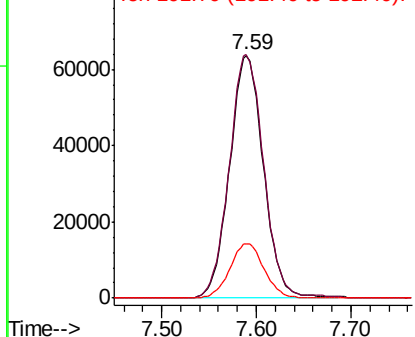


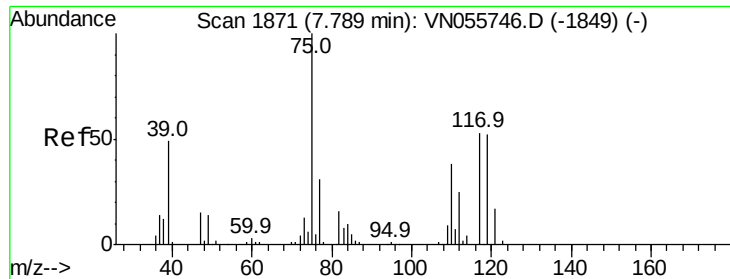
#35  
 Dibromofluoromethane  
 Concen: 46.664 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN055896.D  
 Acq: 30 May 2019 13:23

Tgt Ion:113 Resp: 158155  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 81.9 122.9  
 192 22.5 19.5 29.3



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: 4.606 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

Instrument :  
MSVOA\_N  
ClientSampled :

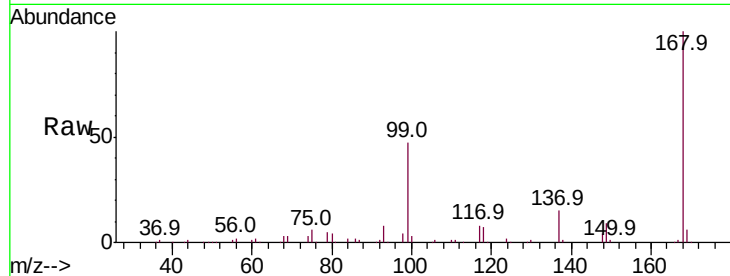
Tot Ion: 75 Resp: 21516

Ion Ratio Lower Upper

75 100

110 8.8 19.0 57.0#

77 0.0 25.1 37.7#

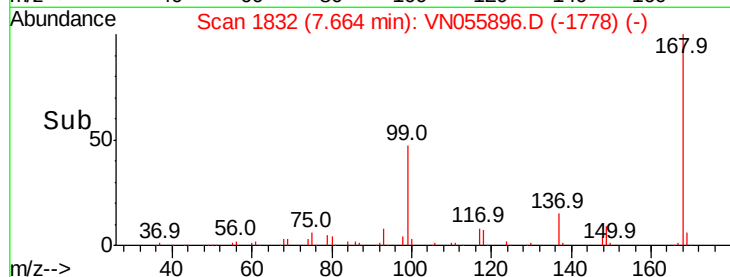


Abundance Ion 74.90 (74.60 to 75.60): VN055896.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN055896.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN055896.D (-1778) (-)

Time-->

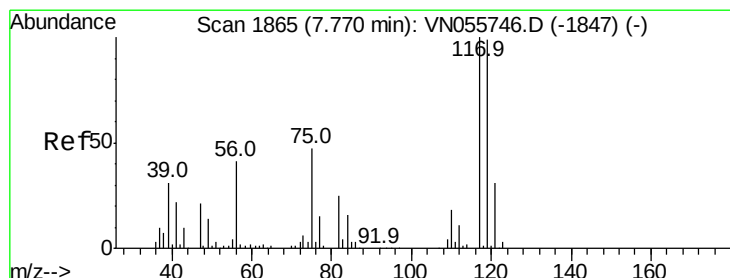


Abundance Ion 74.90 (74.60 to 75.60): VN055896.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN055896.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN055896.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.001 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

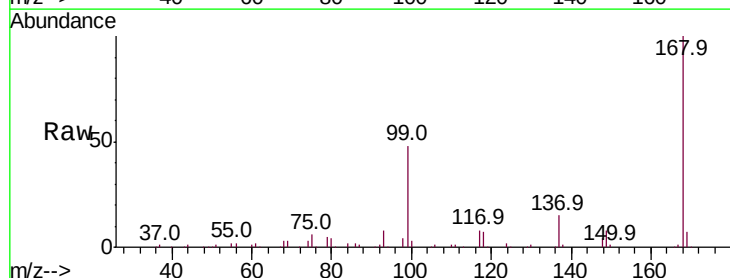
Tgt Ion: 117 Resp: 29200

Ion Ratio Lower Upper

117 100

119 4.7 79.0 118.6#

121 0.0 24.7 37.1#

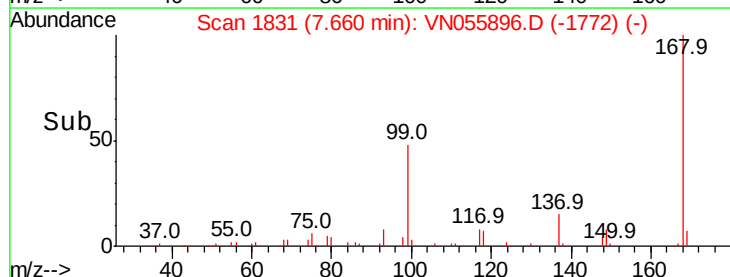


Abundance Ion 116.80 (116.50 to 117.50): VN055896.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN055896.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN055896.D (-1772) (-)

Time-->



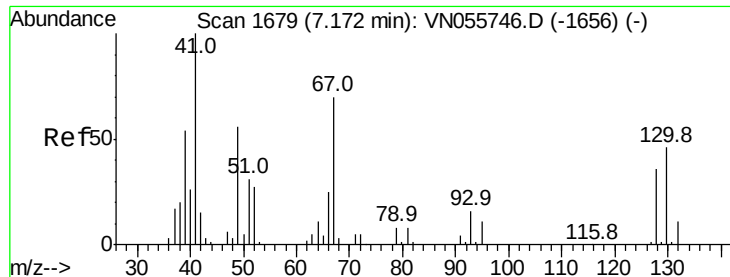
Abundance Ion 116.80 (116.50 to 117.50): VN055896.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN055896.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN055896.D (-1772) (-)

Time-->

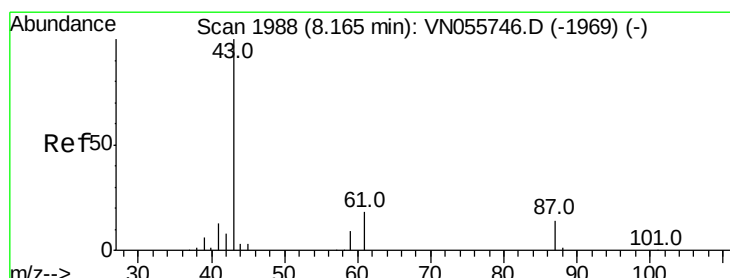
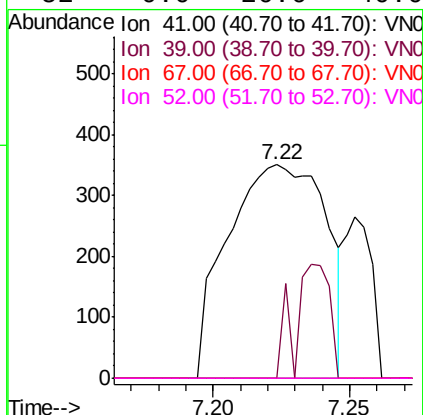
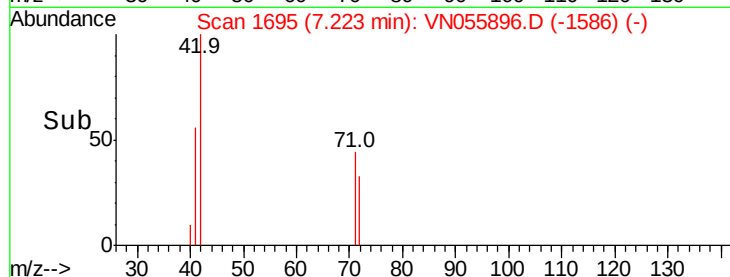
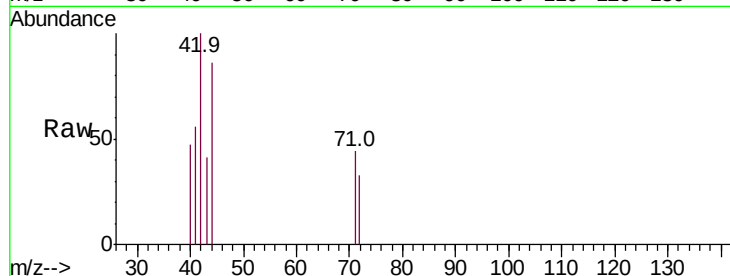




#41  
Methacrylonitrile  
Concen: 0.384 ug/l  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.05 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

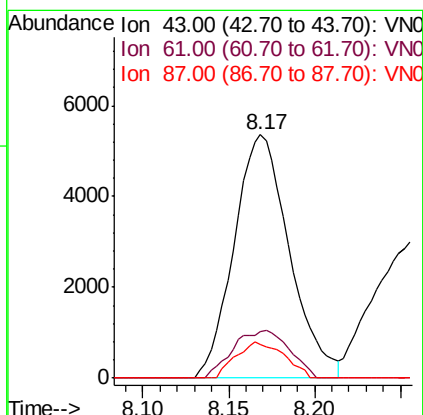
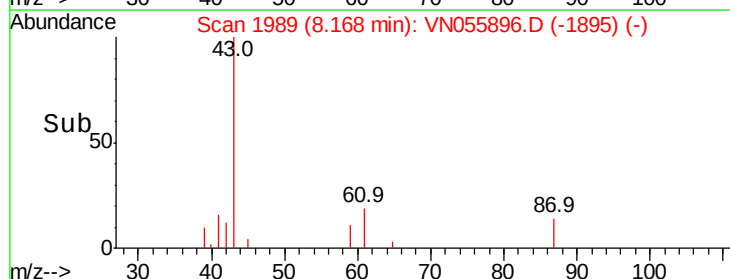
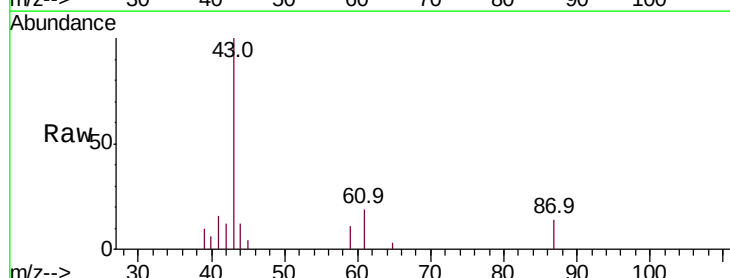
Instrument :  
MSVOA\_N  
ClientSampled :

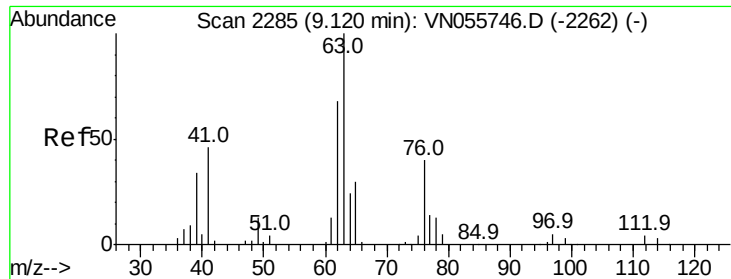
Tot Ion: 41 Resp: 876  
Ion Ratio Lower Upper  
41 100  
39 18.6 45.6 68.4#  
67 0.0 67.7 101.5#  
52 0.0 26.6 40.0#



#43  
Isopropyl Acetate  
Concen: 1.581 ug/l  
RT: 8.17 min Scan# 1989  
Delta R.T. 0.00 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

Tgt Ion: 43 Resp: 11995  
Ion Ratio Lower Upper  
43 100  
61 19.9 22.2 33.4#  
87 12.9 11.4 17.2





#45

1,2-Dichloropropane

Concen: 0.426 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

Instrument :

MSVOA\_N

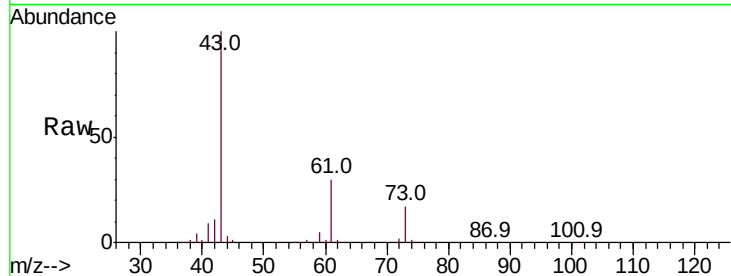
ClientSampled :

Tot Ion: 63 Resp: 1564

Ion Ratio Lower Upper

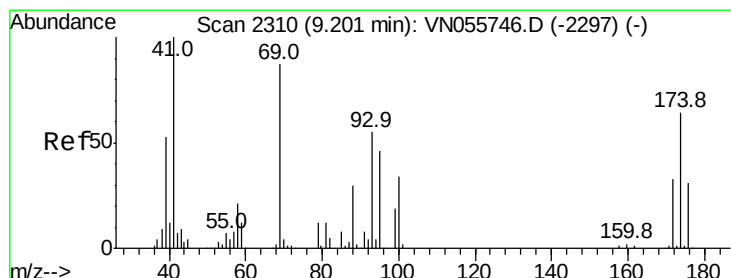
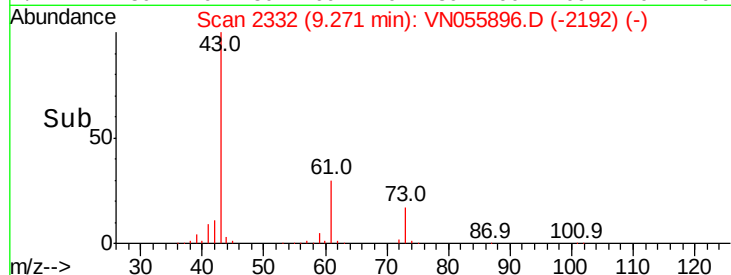
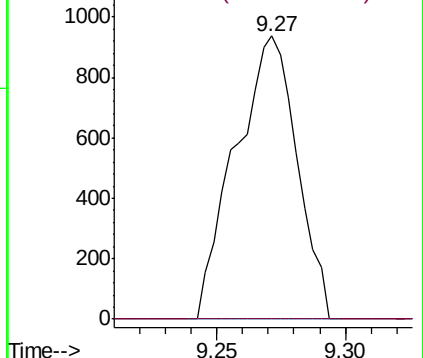
63 100

65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.902 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

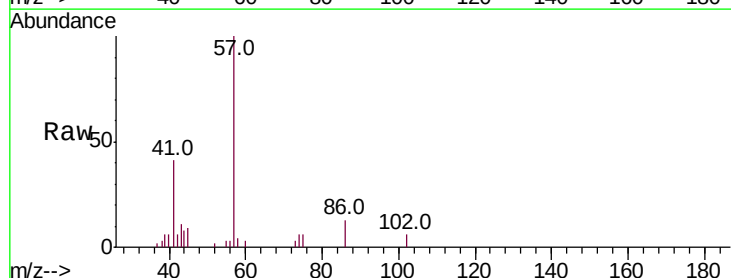
Tgt Ion: 41 Resp: 6649

Ion Ratio Lower Upper

41 100

69 0.0 71.0 106.6#

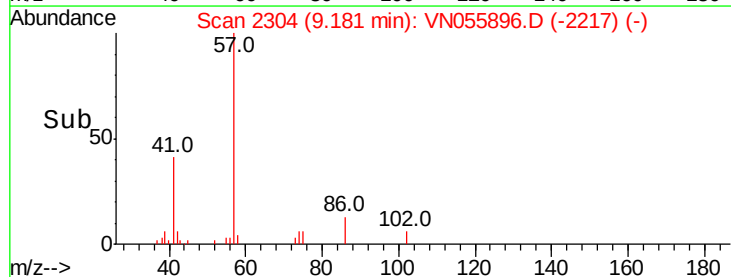
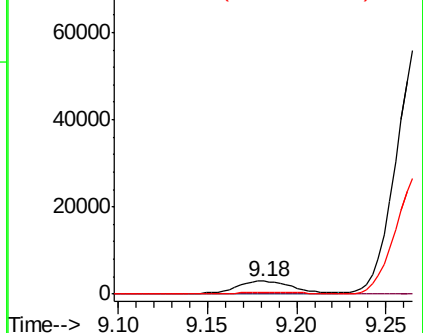
39 0.0 44.2 66.2#

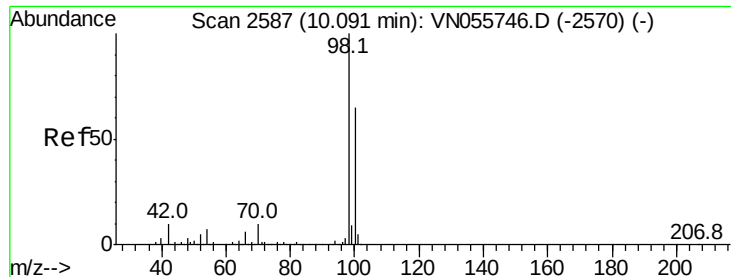


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 49.478 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

Instrument :

MSVOA\_N

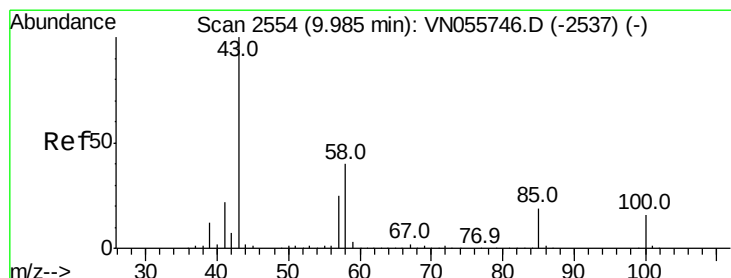
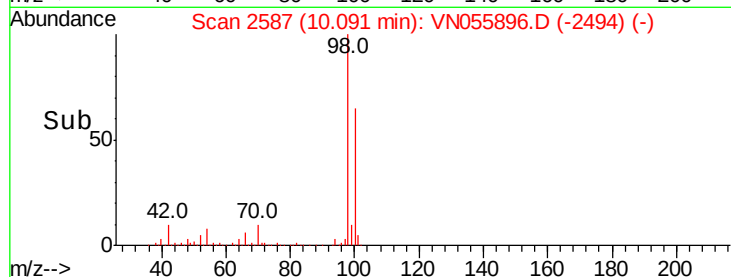
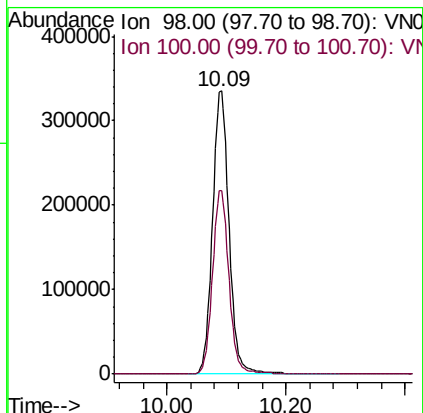
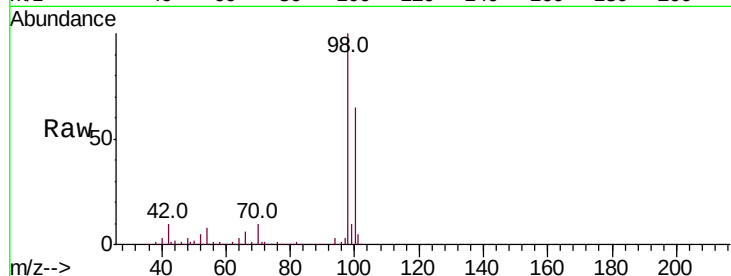
ClientSampled :

Tot Ion: 98 Resp: 643252

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.927 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055896.D

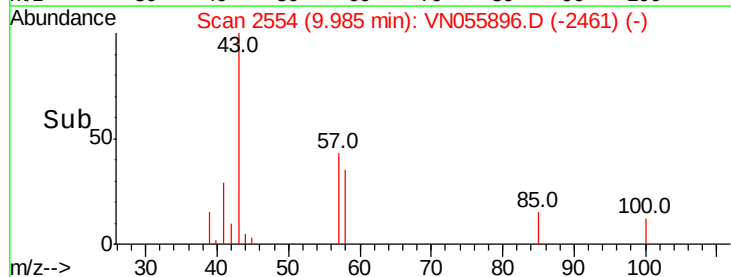
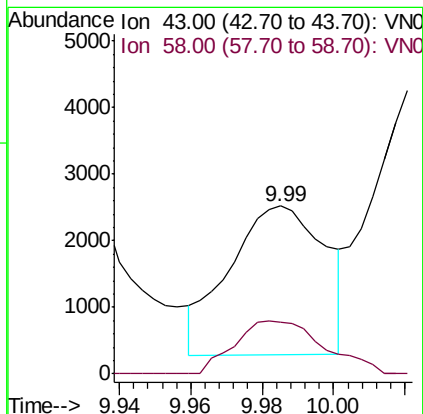
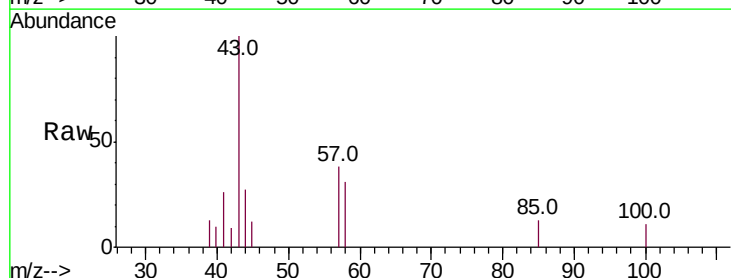
Acq: 30 May 2019 13:23

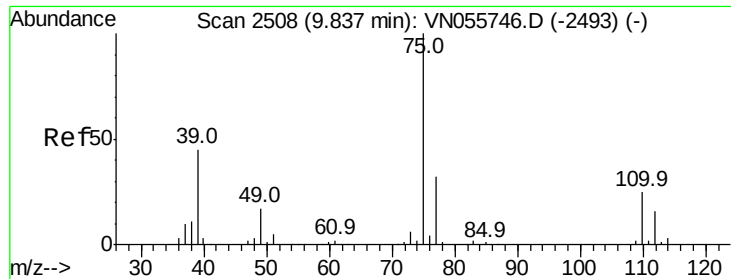
Tgt Ion: 43 Resp: 4154

Ion Ratio Lower Upper

43 100

58 33.3 32.1 48.1



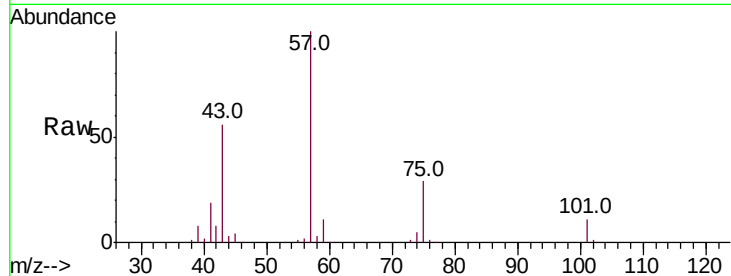


#54

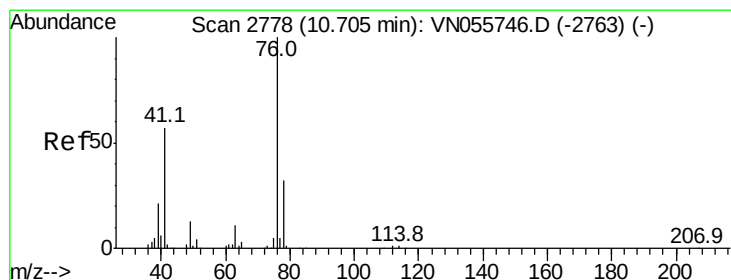
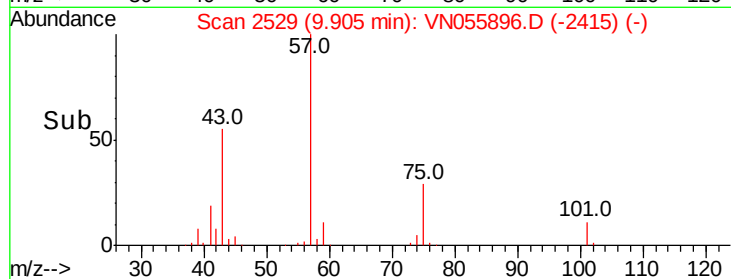
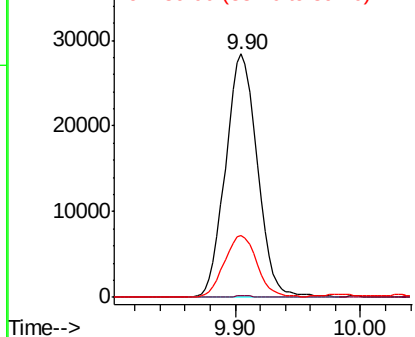
cis-1,3-Dichloropropene  
 Concen: 8.605 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. 0.07 min  
 Lab File: VN055896.D  
 Acq: 30 May 2019 13:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.7   | 25.4  | 38.0# |
| 39      | 25.6  | 36.3  | 54.5# |



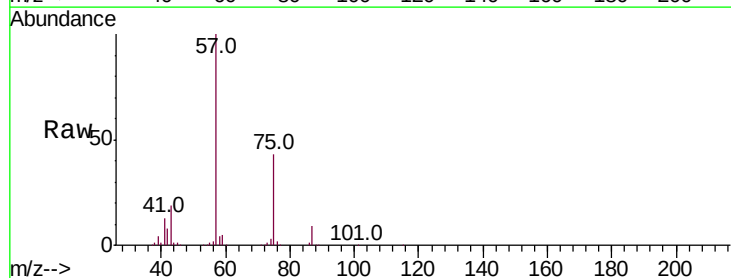
Abundance Ion 74.90 (74.60 to 75.60): VN0  
 Ion 76.90 (76.60 to 77.60): VN0  
 Ion 39.00 (38.70 to 39.70): VN0



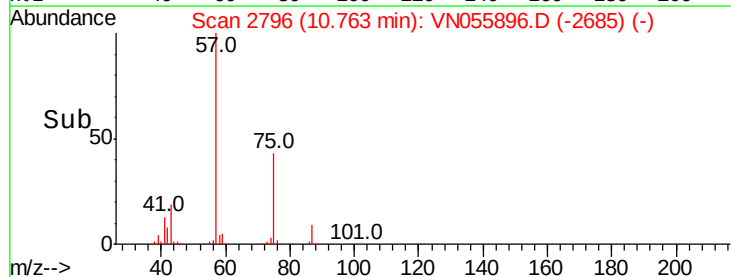
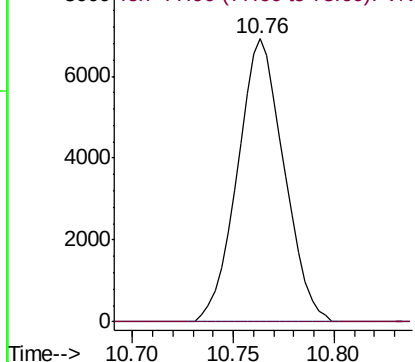
#57

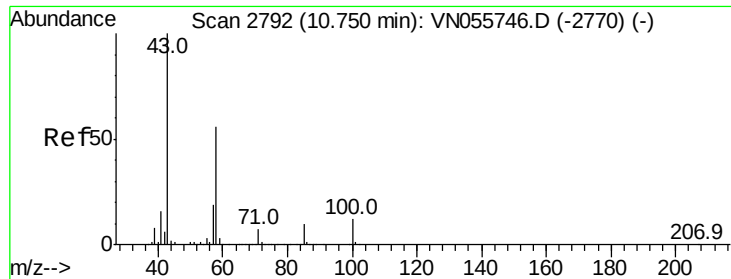
1,3-Dichloropropane  
 Concen: 1.934 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.06 min  
 Lab File: VN055896.D  
 Acq: 30 May 2019 13:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 0.0   | 25.8  | 38.6# |



Abundance Ion 75.90 (75.60 to 76.60): VN0  
 Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 45.194 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

Instrument :

MSVOA\_N

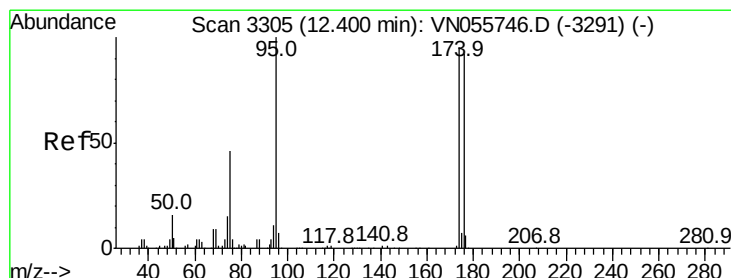
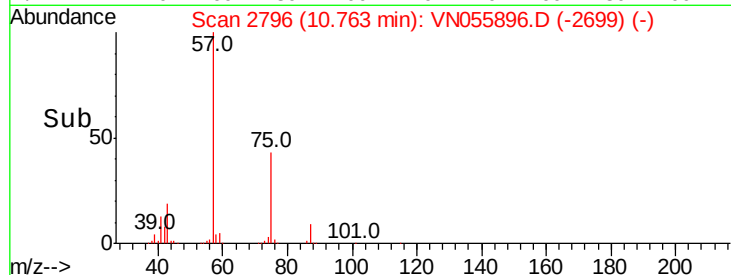
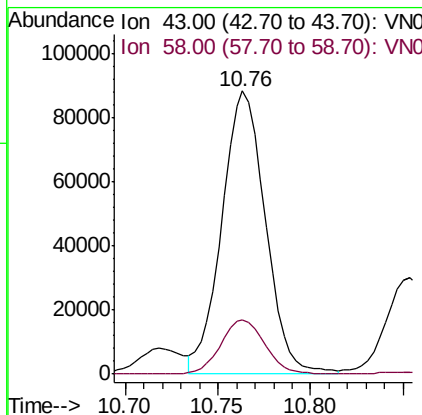
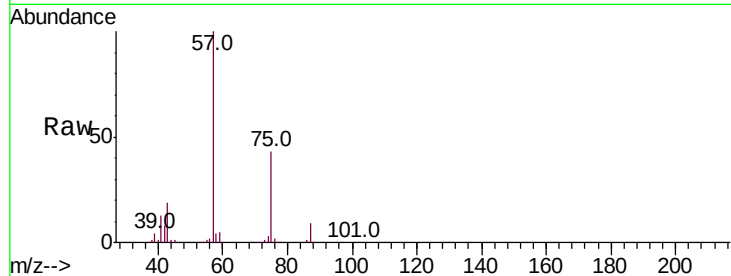
ClientSampleId :

Tot Ion: 43 Resp: 143647

Ion Ratio Lower Upper

43 100

58 19.7 28.2 84.7#



#62

4-Bromofluorobenzene

Concen: 47.801 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

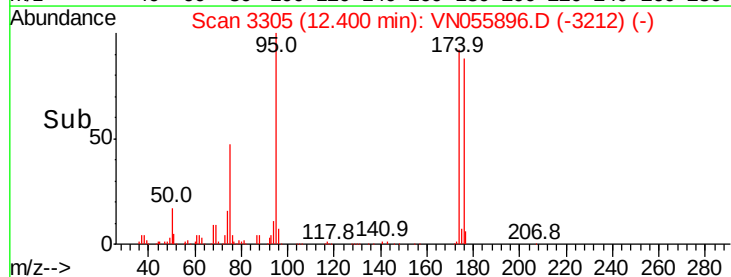
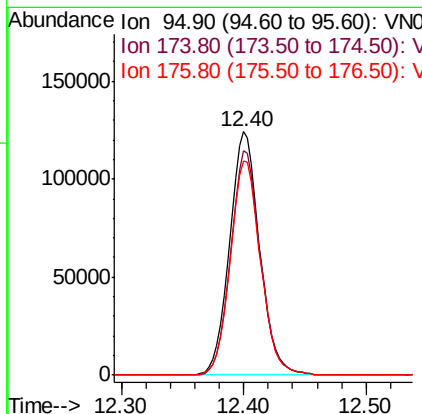
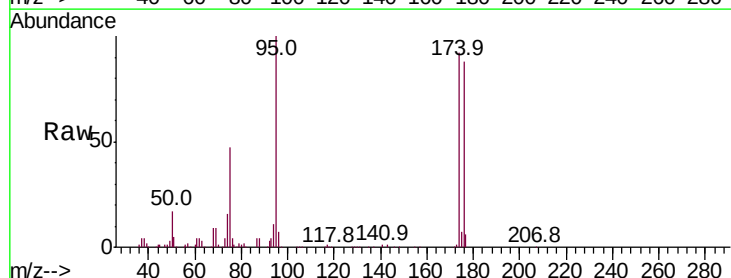
Tgt Ion: 95 Resp: 213090

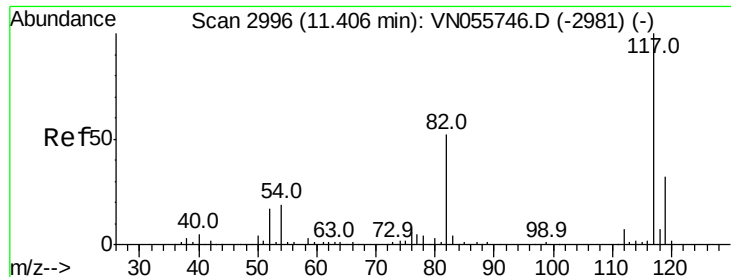
Ion Ratio Lower Upper

95 100

174 91.2 0.0 191.0

176 88.4 0.0 185.2

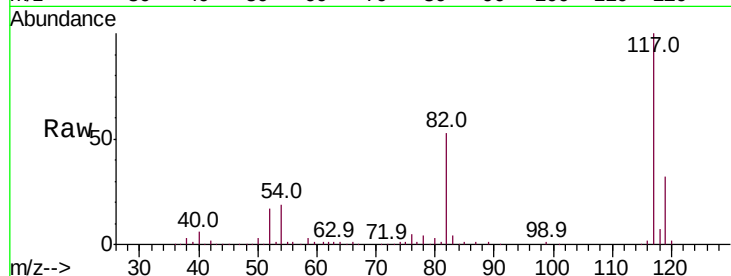




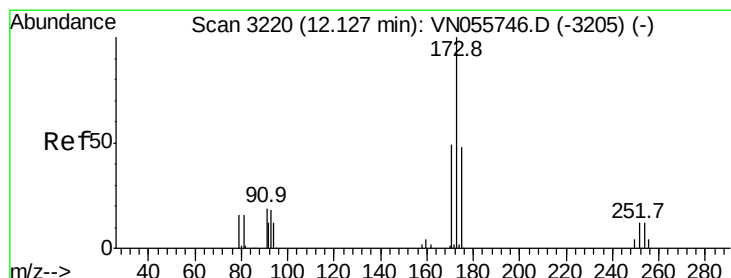
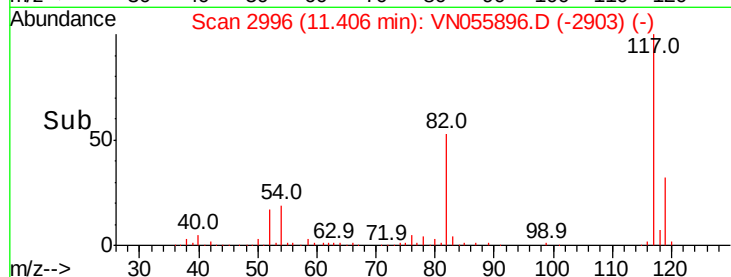
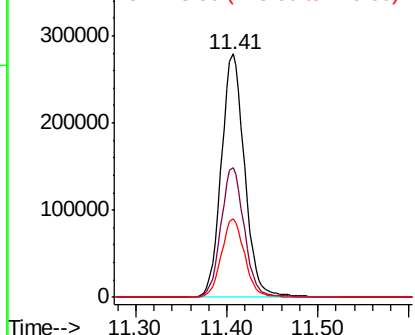
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.41 min Scan# 2996  
 Delta R.T. 0.00 min  
 Lab File: VN055896.D  
 Acq: 30 May 2019 13:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:117 Resp: 497737  
 Ion Ratio Lower Upper  
 117 100  
 82 53.4 41.8 62.8  
 119 32.2 25.4 38.0

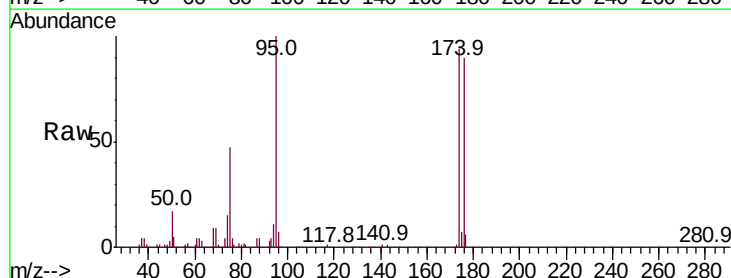


Abundance Ion 116.90 (116.60 to 117.60): V  
 Ion 82.00 (81.70 to 82.70): VN  
 Ion 118.90 (118.60 to 119.60): V

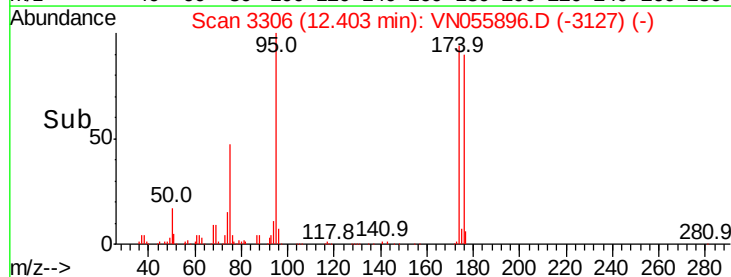
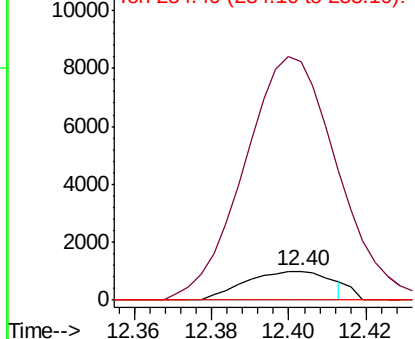


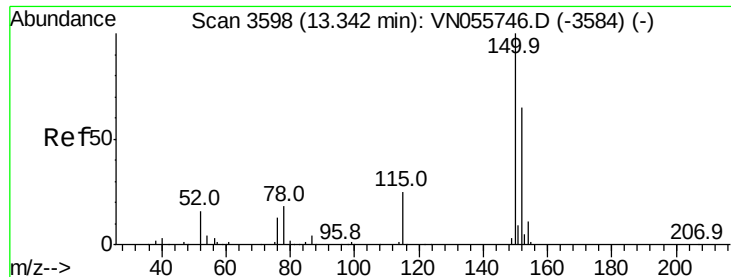
#71  
 Bromoform  
 Concen: 0.446 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.28 min  
 Lab File: VN055896.D  
 Acq: 30 May 2019 13:23

Tgt Ion:173 Resp: 1513  
 Ion Ratio Lower Upper  
 173 100  
 175 825.6 24.3 72.8#  
 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



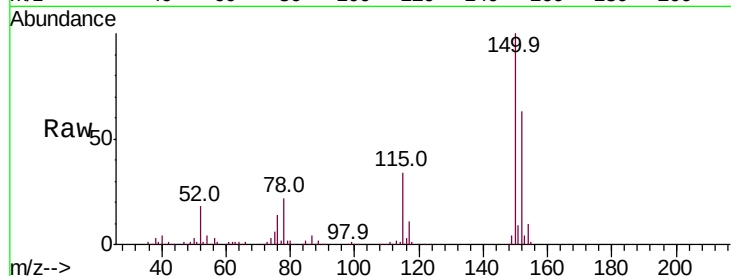


#72

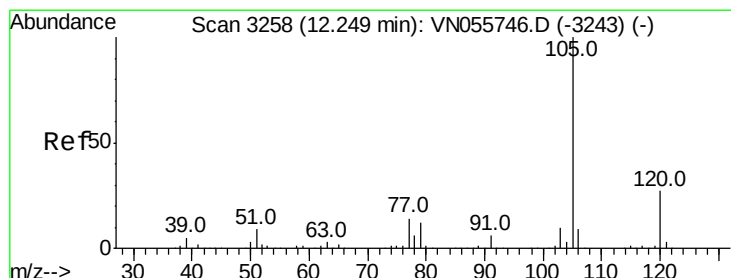
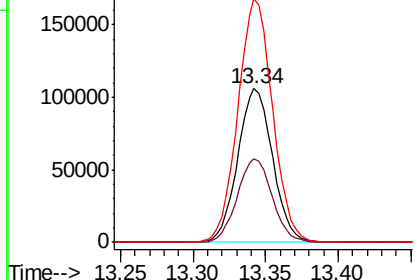
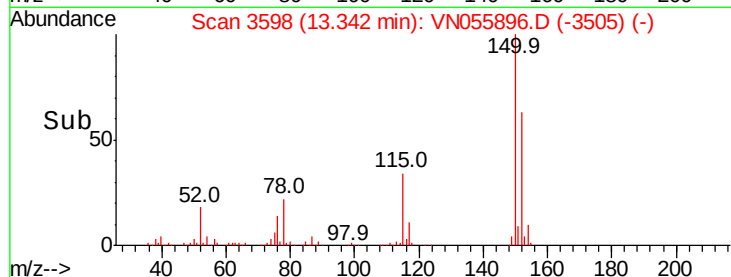
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:152 Resp: 176567  
Ion Ratio Lower Upper  
152 100  
115 54.6 27.0 81.0  
150 158.0 0.0 343.2



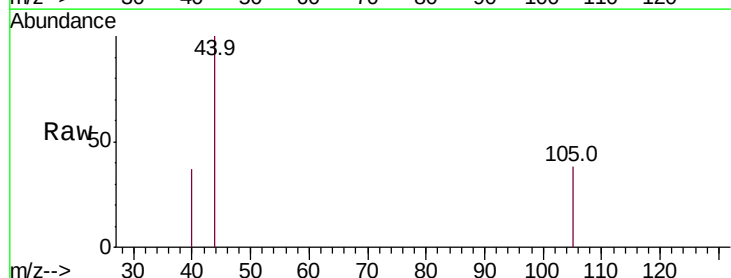
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



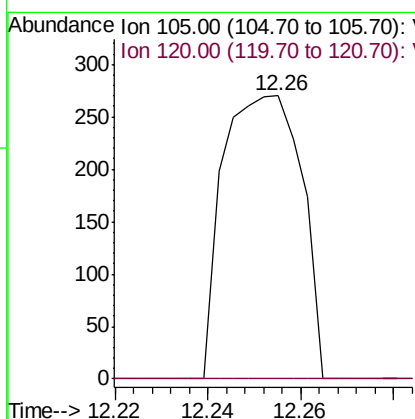
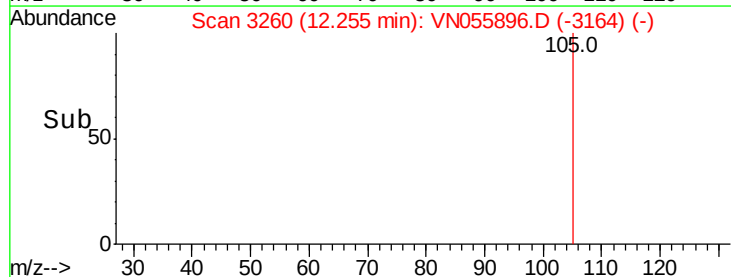
#73

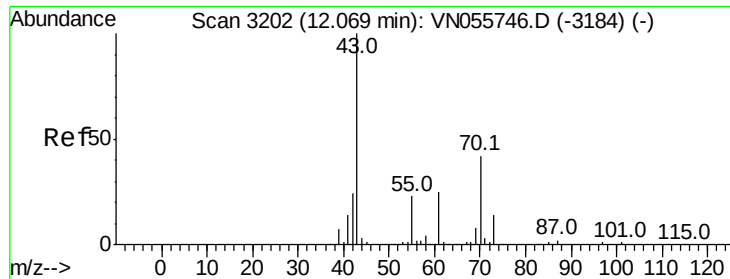
Isopropylbenzene  
Concen: Below Cal  
RT: 12.26 min Scan# 3260  
Delta R.T. 0.01 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

Tgt Ion:105 Resp: 318  
Ion Ratio Lower Upper  
105 100  
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.06 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

Instrument :

MSVOA\_N

ClientSampled :

Tot Ion: 43 Resp: 821

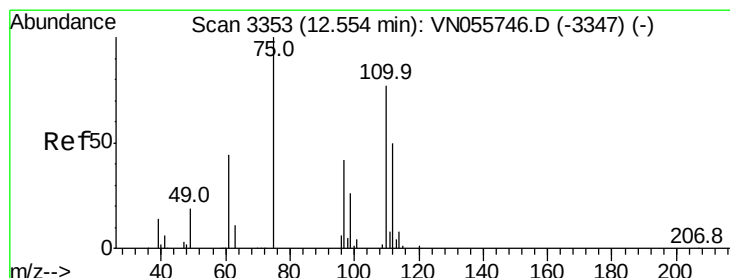
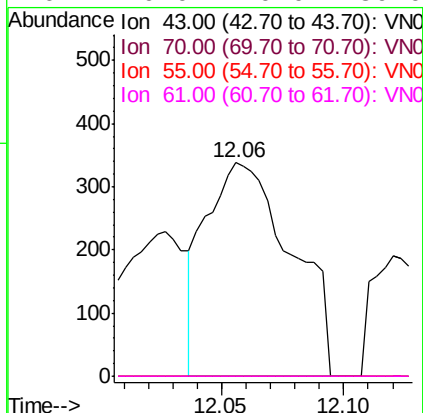
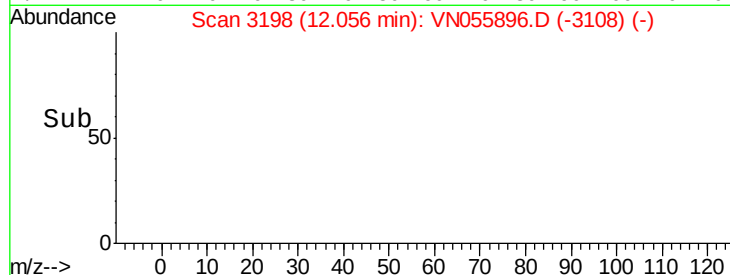
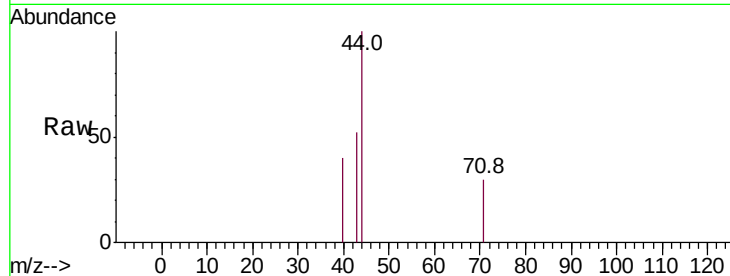
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#



#76

1,2,3-Trichloropropane

Concen: 31.510 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055896.D

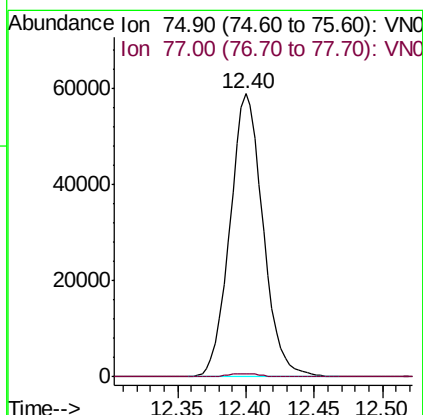
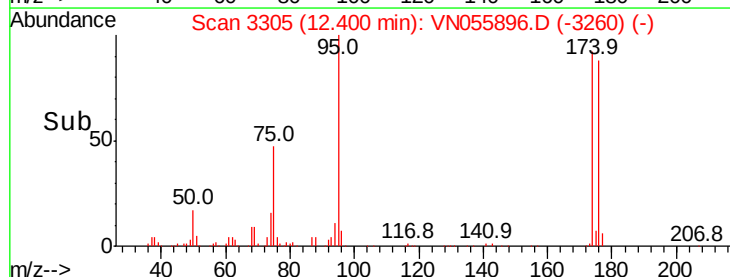
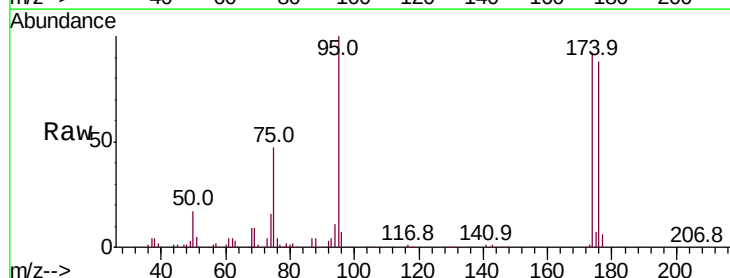
Acq: 30 May 2019 13:23

Tgt Ion: 75 Resp: 99340

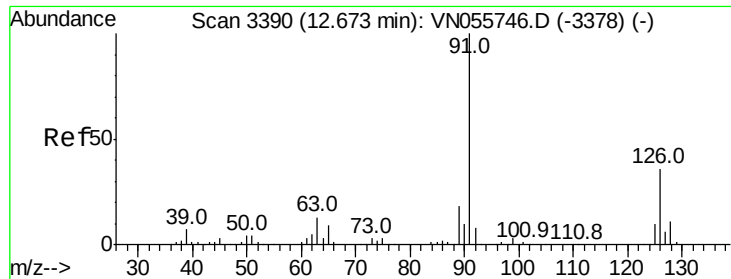
Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#







#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

Instrument :

MSVOA\_N

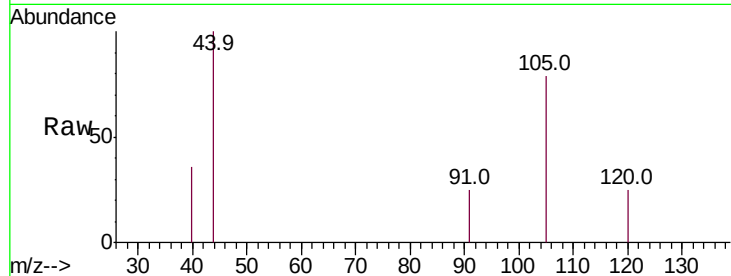
ClientSampleId :

Tot Ion: 91 Resp: 62

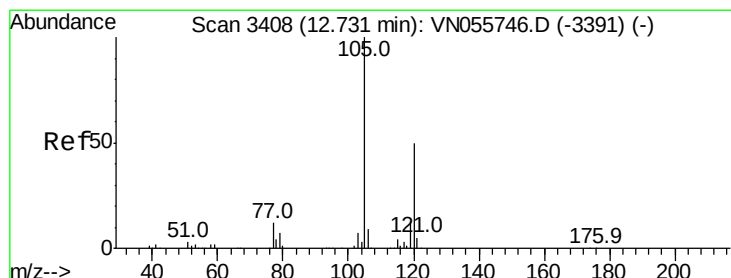
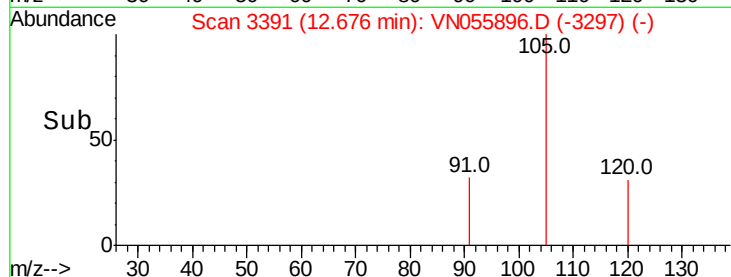
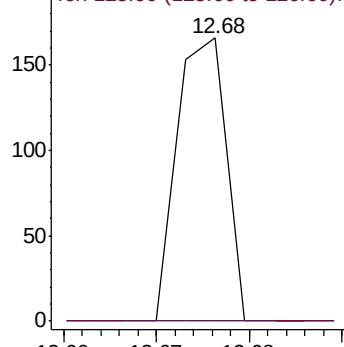
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055896.D

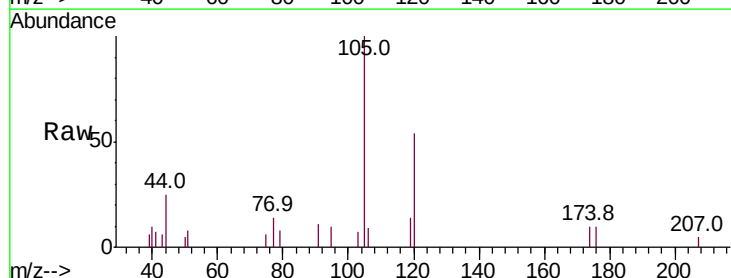
Acq: 30 May 2019 13:23

Tgt Ion:105 Resp: 4613

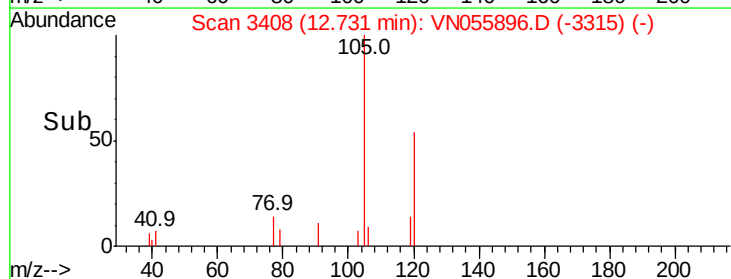
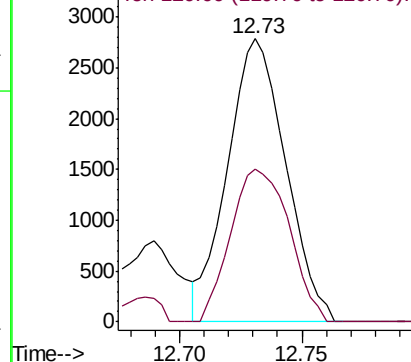
Ion Ratio Lower Upper

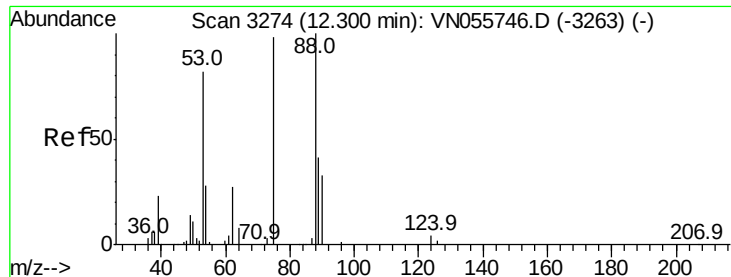
105 100

120 54.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

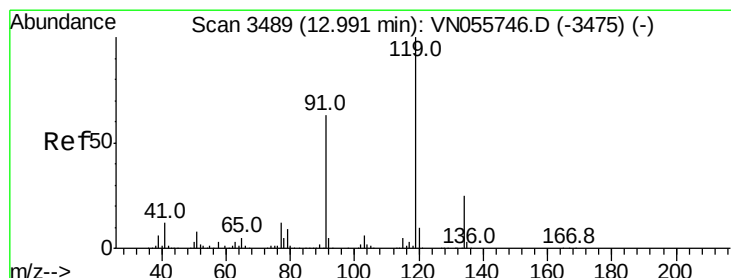
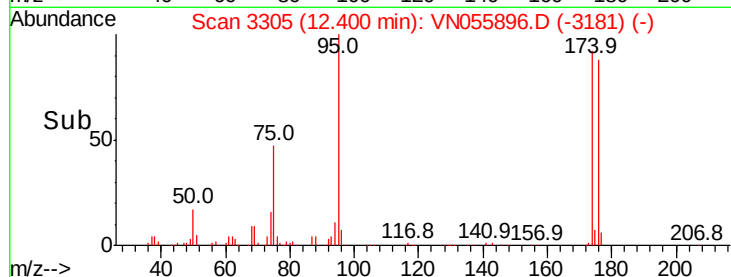
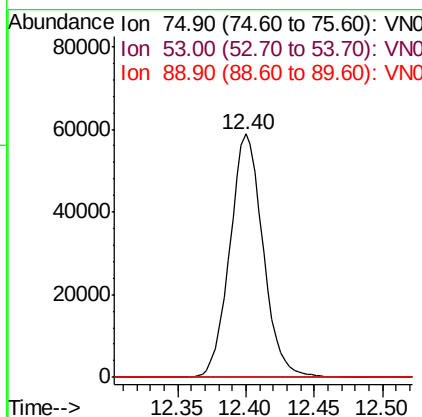
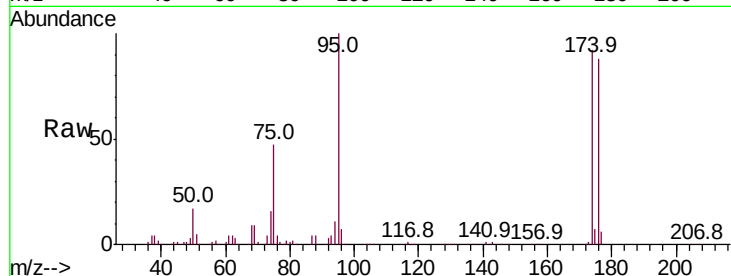




#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.699 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.10 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

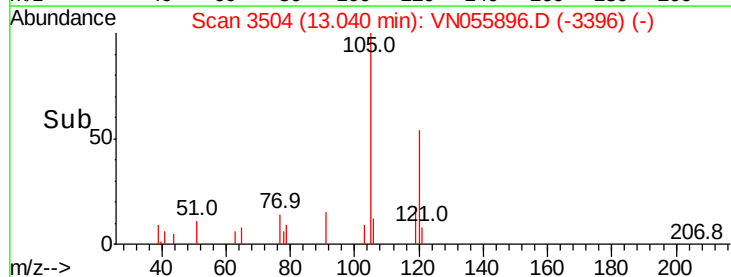
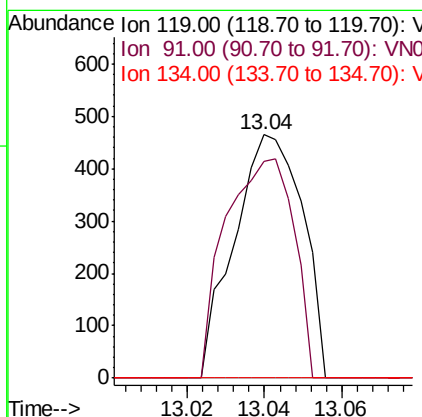
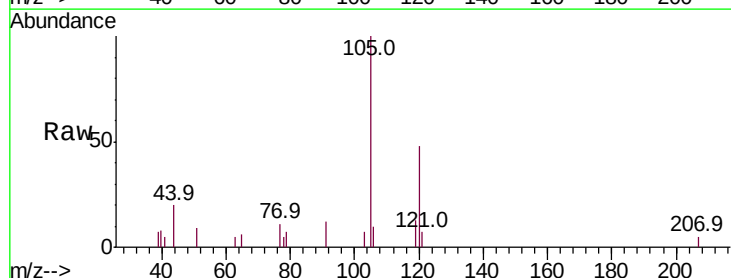
Instrument :  
MSVOA\_N  
ClientSampleId :

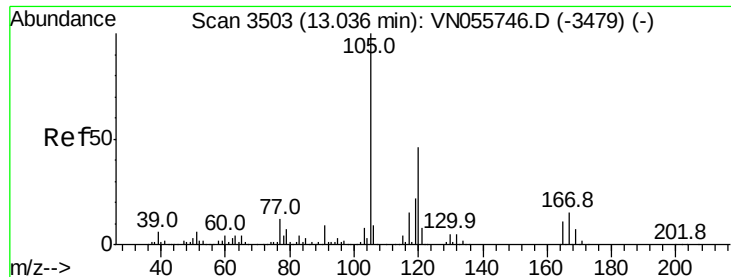
Tot Ion: 75 Resp: 99340  
Ion Ratio Lower Upper  
75 100  
53 0.0 68.1 102.1#  
89 0.0 36.9 55.3#



#83  
tert-Butylbenzene  
Concen: Below Cal  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.05 min  
Lab File: VN055896.D  
Acq: 30 May 2019 13:23

Tgt Ion: 119 Resp: 570  
Ion Ratio Lower Upper  
119 100  
91 90.0 30.9 92.8  
134 0.0 13.3 39.8#

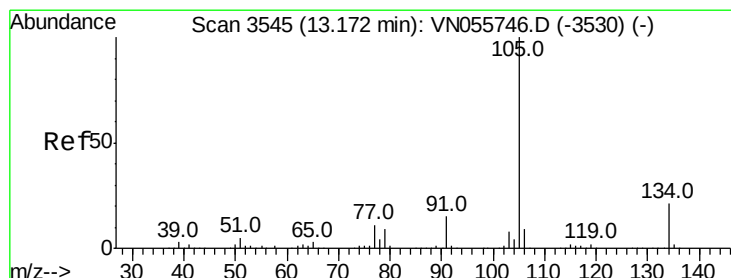
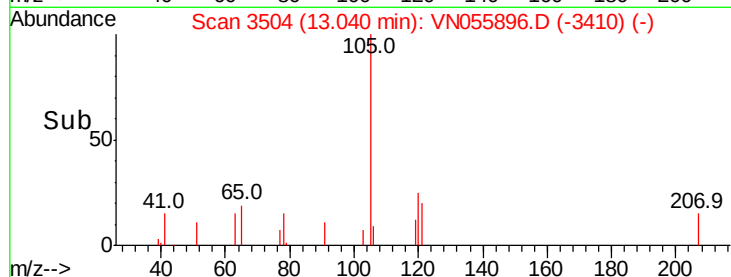
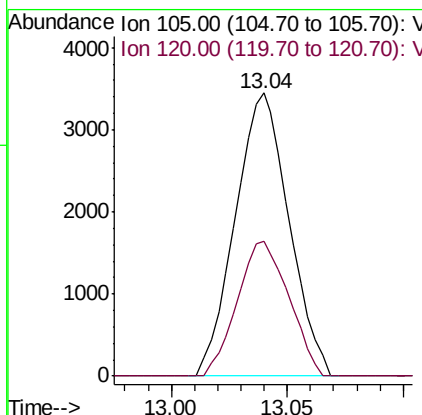
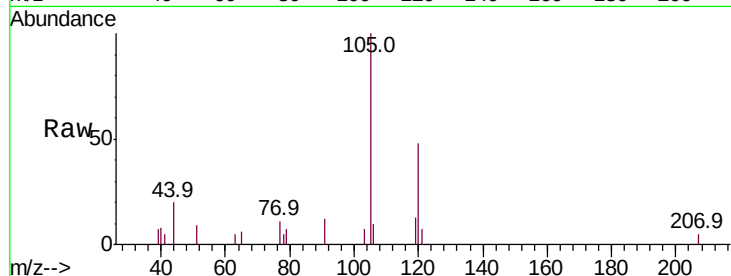




#84  
 1,2,4-Trimethylbenzene  
 Concen: Below Cal  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055896.D  
 Acq: 30 May 2019 13:23

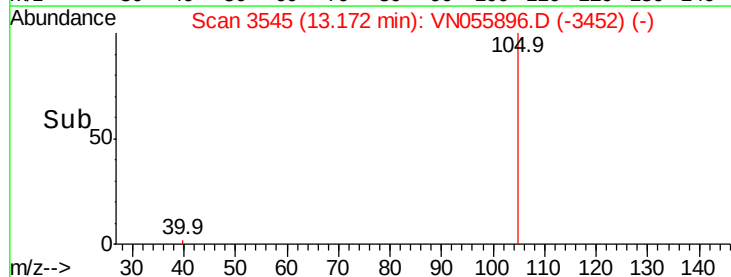
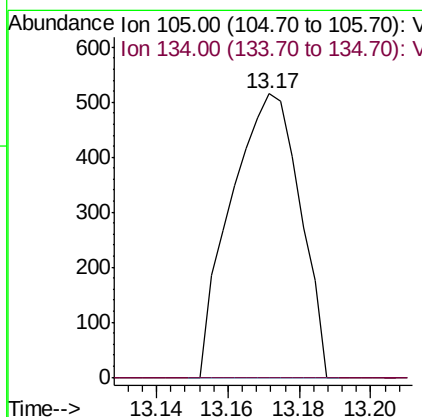
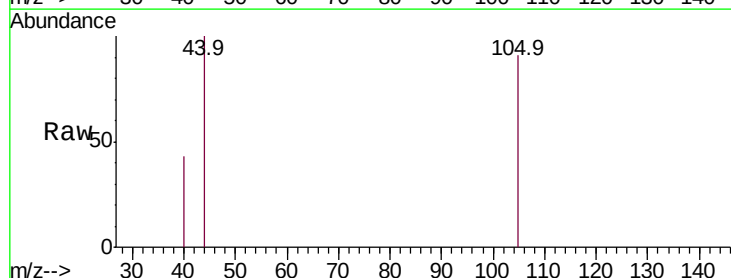
Instrument :  
 MSVOA\_N  
 ClientSampleId :

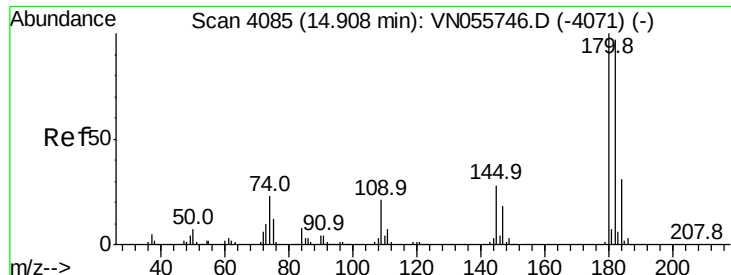
Tot Ion:105 Resp: 5539  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 23.0 69.0



#85  
 sec-Butylbenzene  
 Concen: Below Cal  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN055896.D  
 Acq: 30 May 2019 13:23

Tgt Ion:105 Resp: 685  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.4 31.2#





#93

1,2,4-Trichlorobenzene

Concen: 3.685 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

Instrument :

MSVOA\_N

ClientSampleId :

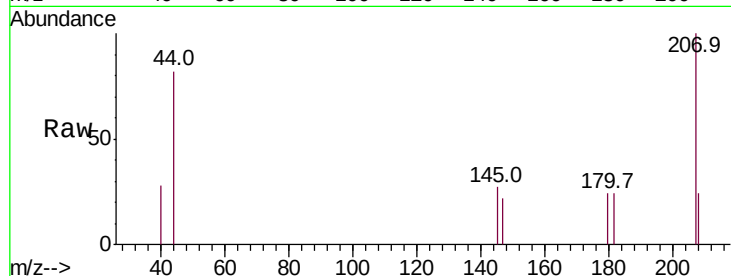
Tot Ion:180 Resp: 178

Ion Ratio Lower Upper

180 100

182 91.0 48.3 144.9

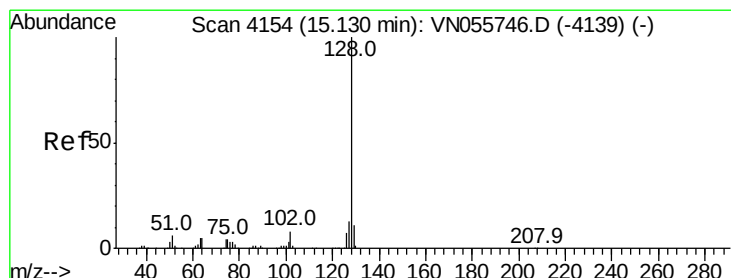
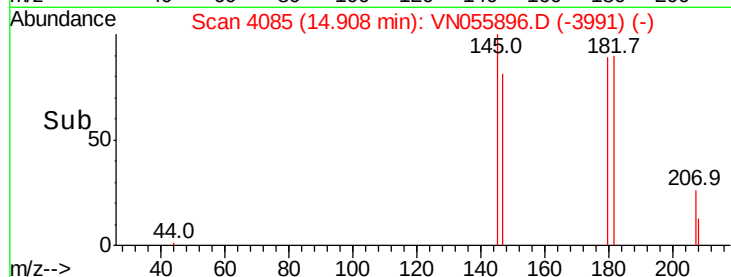
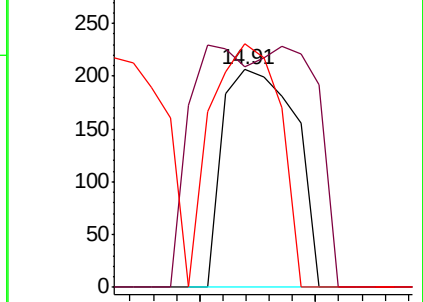
145 107.3 14.0 41.9#



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



#95

Naphthalene

Concen: 9.600 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055896.D

Acq: 30 May 2019 13:23

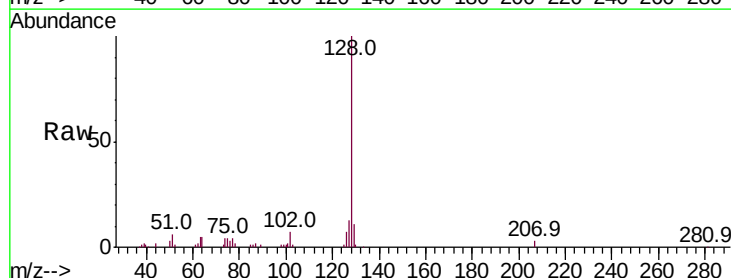
Tgt Ion:128 Resp: 78408

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

