

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN091419\  
 Data File : VN058022.D  
 Acq On : 13 Sep 2019 17:33  
 Operator : JC/SP  
 Sample : K4877-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-GW200-B4-091119RE

Quant Time: Sep 14 03:35:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

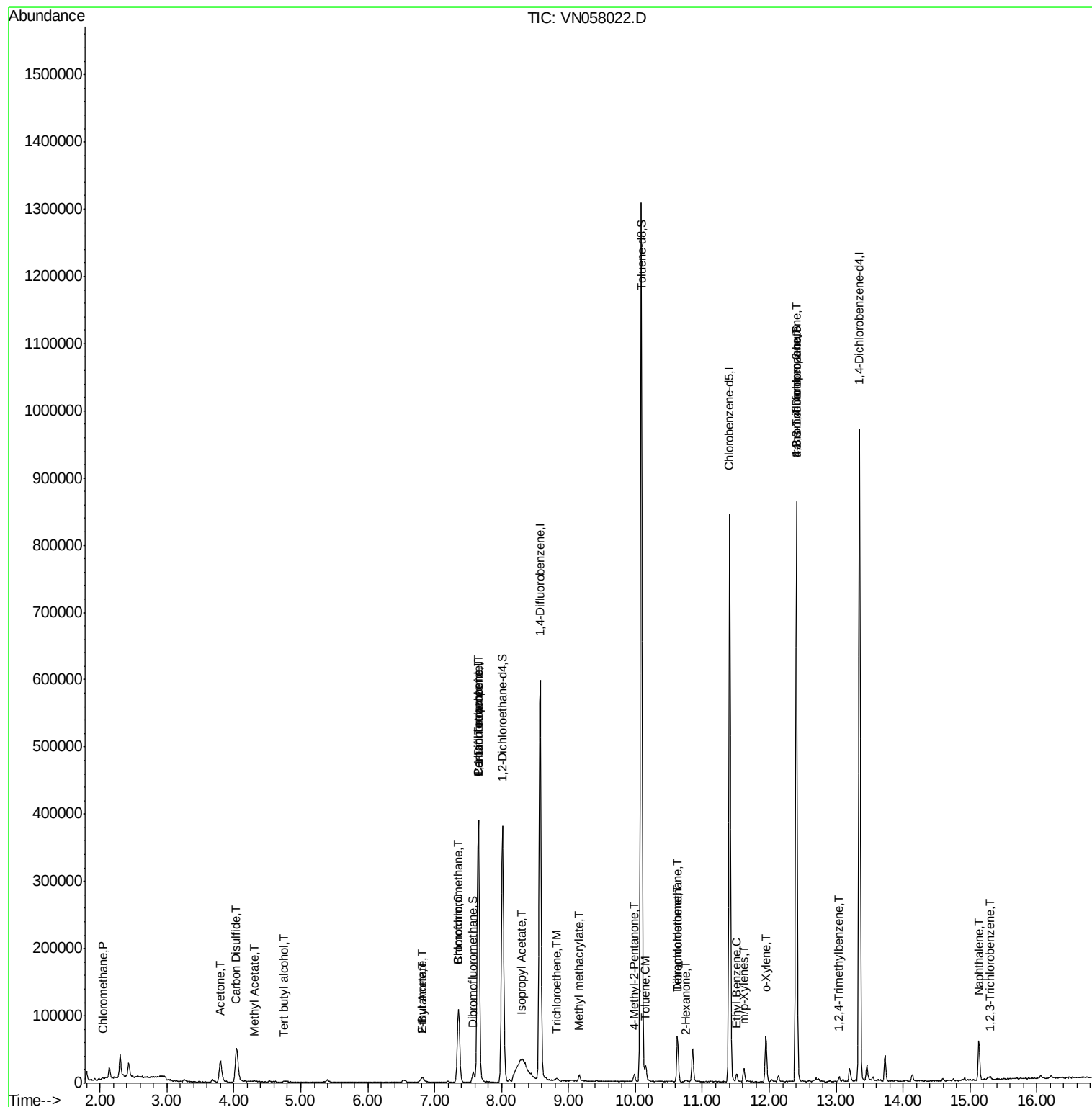
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.65  | 168  | 302964   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.58  | 114  | 513877   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.41 | 117  | 461669   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.35 | 152  | 241317   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.01  | 65   | 331994   | 54.10     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 108.20% |          |
| 35) Dibromofluoromethane       | 7.58  | 113  | 11177    | 2.36      | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 4.72%   |          |
| 50) Toluene-d8                 | 10.09 | 98   | 895111   | 48.61     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 97.22%  |          |
| 62) 4-Bromofluorobenzene       | 12.41 | 95   | 291130   | 41.49     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 82.98%  |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 3) Chloromethane               | 2.04  | 50   | 1320     | 0.309     | ug/l    | 97       |
| 5) Bromomethane                | 2.55  | 94   | 776      | Below Cal |         | 90       |
| 11) Tert butyl alcohol         | 4.75  | 59   | 377      | 0.508     | ug/l    | 95       |
| 16) Acetone                    | 3.80  | 43   | 55557    | 27.618    | ug/l    | 99       |
| 17) Carbon Disulfide           | 4.02  | 76   | 983      | 0.354     | ug/l #  | 75       |
| 18) Methyl Acetate             | 4.31  | 43   | 1483     | 0.276     | ug/l #  | 75       |
| 20) Methylene Chloride         | 4.54  | 84   | 669      | Below Cal | #       | 52       |
| 25) 2-Butanone                 | 6.83  | 43   | 5404     | 1.856     | ug/l #  | 89       |
| 28) Bromochloromethane         | 7.36  | 49   | 10049    | 2.486     | ug/l #  | 19       |
| 30) Chloroform                 | 7.36  | 83   | 110041   | 13.007    | ug/l    | 99       |
| 31) Cyclohexane                | 7.65  | 56   | 8046     | Below Cal | #       | 1        |
| 36) 1,1-Dichloropropene        | 7.65  | 75   | 27333    | 4.586     | ug/l #  | 50       |
| 37) Ethyl Acetate              | 6.83  | 43   | 5404     | 0.878     | ug/l #  | 82       |
| 38) Carbon Tetrachloride       | 7.65  | 117  | 31792    | 5.843     | ug/l #  | 16       |
| 43) Isopropyl Acetate          | 8.30  | 43   | 64575    | 6.236     | ug/l #  | 57       |
| 44) Trichloroethene            | 8.83  | 130  | 1500     | 0.341     | ug/l    | 66       |
| 48) Methyl methacrylate        | 9.16  | 41   | 3599     | 0.685     | ug/l #  | 38       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 8017     | 1.308     | ug/l    | 98       |
| 52) Toluene                    | 10.15 | 92   | 8802     | 0.779     | ug/l    | 93       |
| 59) 2-Hexanone                 | 10.76 | 43   | 1281     | 0.279     | ug/l    | 64       |
| 60) Dibromochloromethane       | 10.63 | 129  | 13893    | 3.125     | ug/l #  | 11       |
| 64) Tetrachloroethene          | 10.63 | 164  | 15190    | 4.456     | ug/l    | 96       |
| 67) Ethyl Benzene              | 11.52 | 91   | 8787     | 0.415     | ug/l    | 95       |
| 68) m/p-Xylenes                | 11.62 | 106  | 6379     | 0.822     | ug/l    | 94       |
| 69) o-Xylene                   | 11.95 | 106  | 16670    | 2.162     | ug/l    | 89       |
| 76) 1,2,3-Trichloropropane     | 12.41 | 75   | 156741   | 28.712    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.41 | 75   | 156741   | 101.039   | ug/l #  | 6        |
| 84) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 4841     | 0.301     | ug/l    | 94       |
| 95) Naphthalene                | 15.13 | 128  | 47138    | 1.823     | ug/l    | 98       |
| 96) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 1478     | 1.295     | ug/l    | 89       |

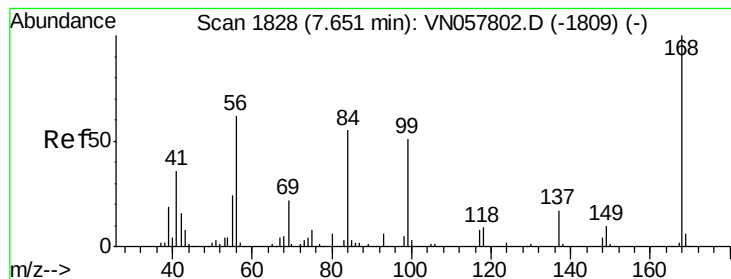
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Sep 10 03:02:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

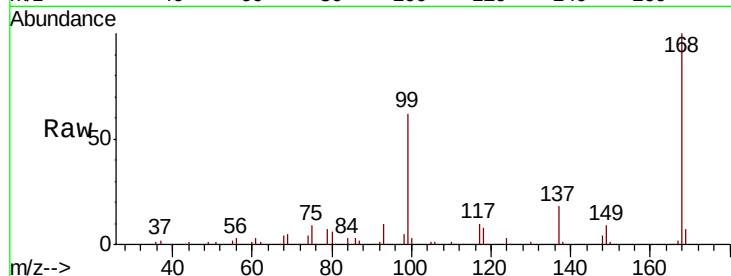
IDW-GW200-B4-091119RE

Tgt Ion: 168 Resp: 302964

Ion Ratio Lower Upper

168 100

99 61.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

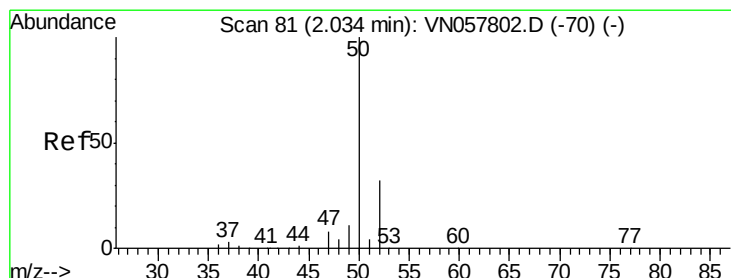
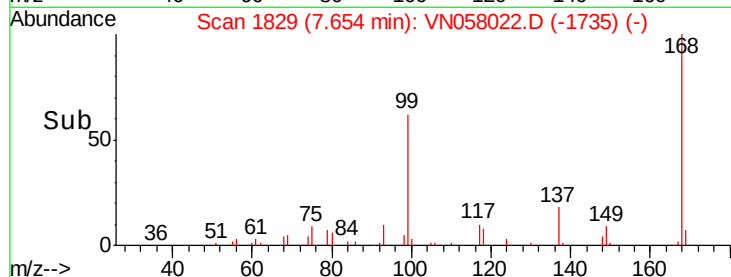
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.309 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058022.D

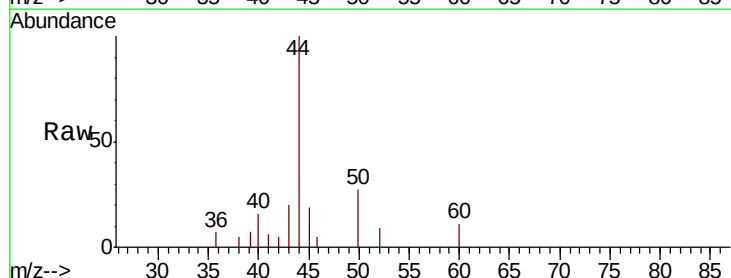
Acq: 13 Sep 2019 17:33

Tgt Ion: 50 Resp: 1320

Ion Ratio Lower Upper

50 100

52 33.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1000

800

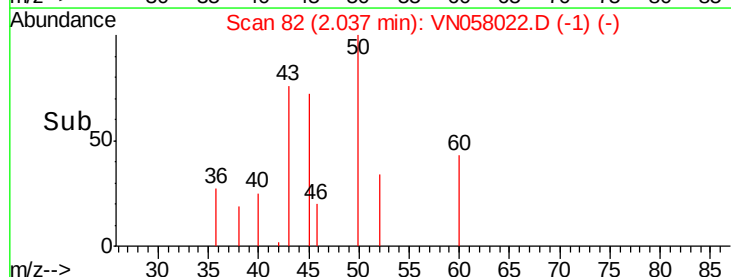
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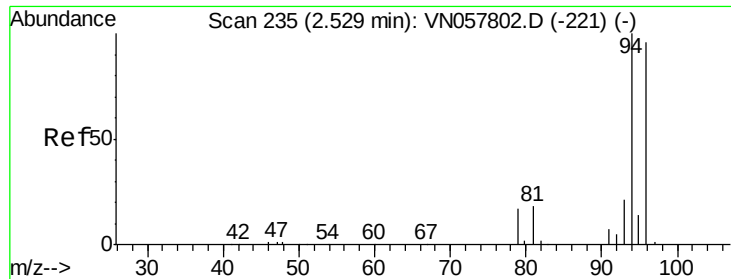
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200

0

Time-->

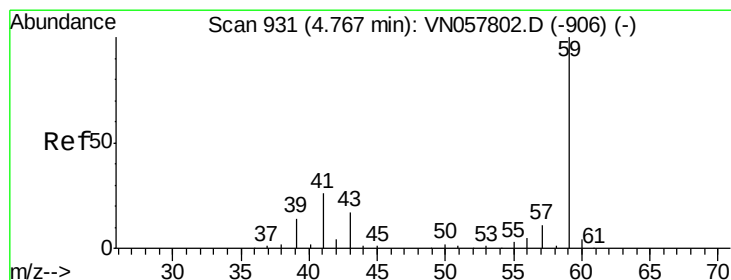
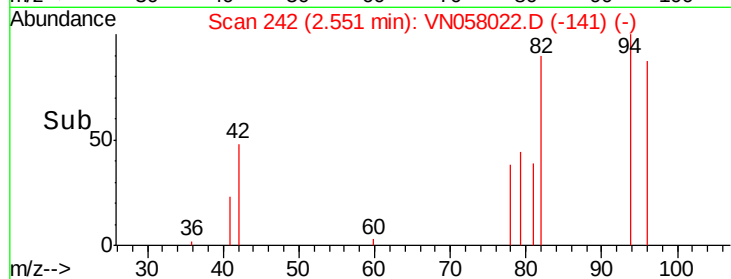
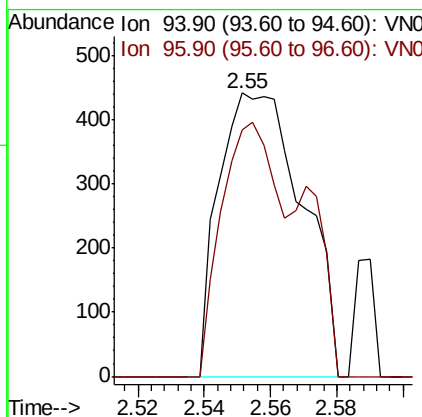
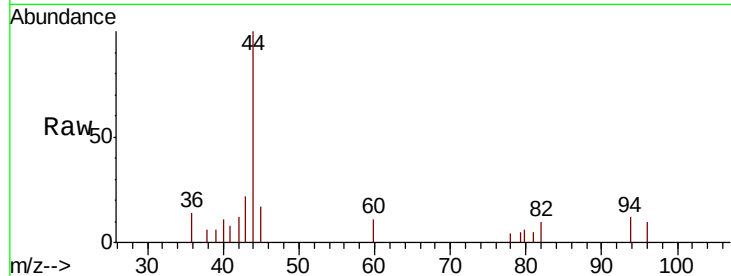




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.55 min Scan# 242  
Delta R.T. 0.02 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

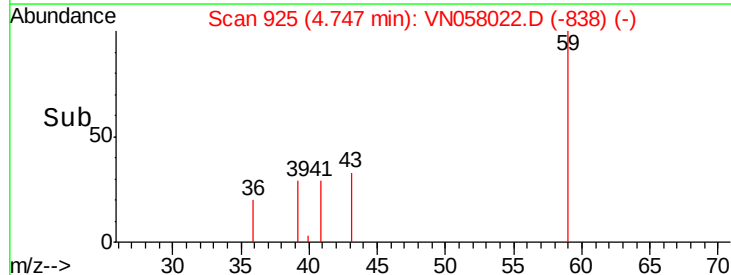
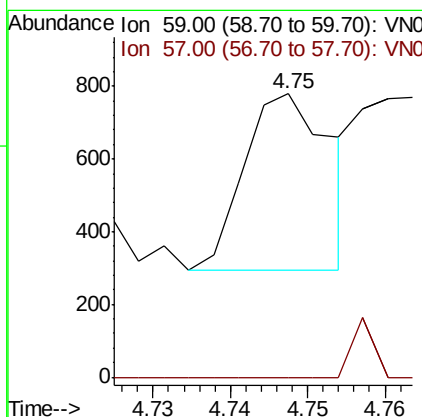
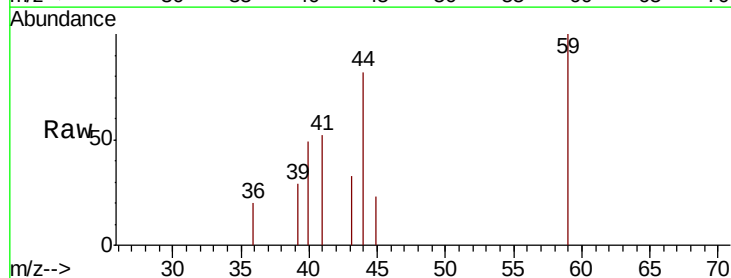
Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-GW200-B4-091119RE

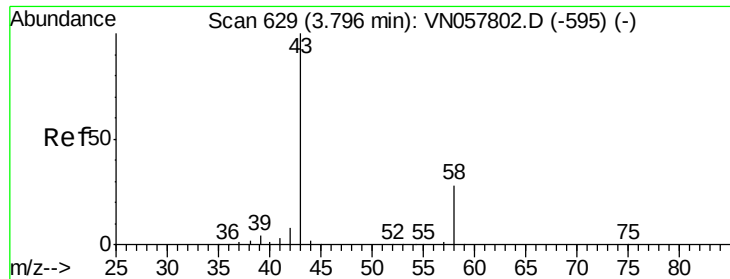
Tgt Ion: 94 Resp: 776  
Ion Ratio Lower Upper  
94 100  
96 86.9 77.0 115.4



#11  
Tert butyl alcohol  
Concen: 0.508 ug/l  
RT: 4.75 min Scan# 925  
Delta R.T. -0.02 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

Tgt Ion: 59 Resp: 377  
Ion Ratio Lower Upper  
59 100  
57 8.5 8.4 12.6





#16

Acetone

Concen: 27.618 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

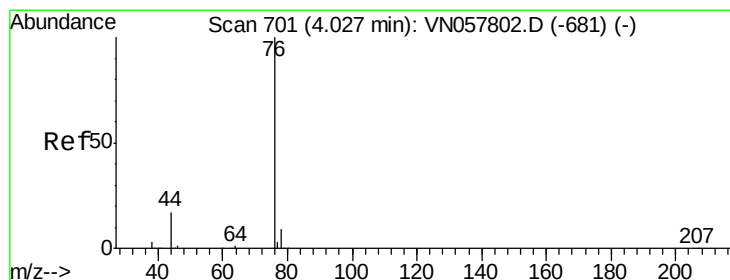
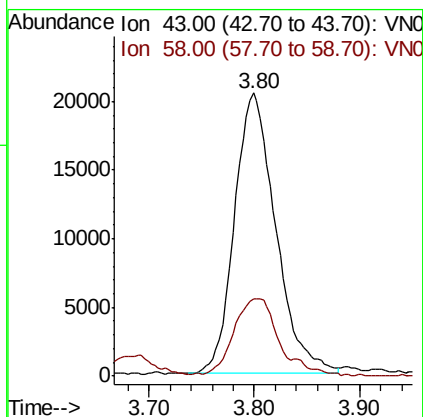
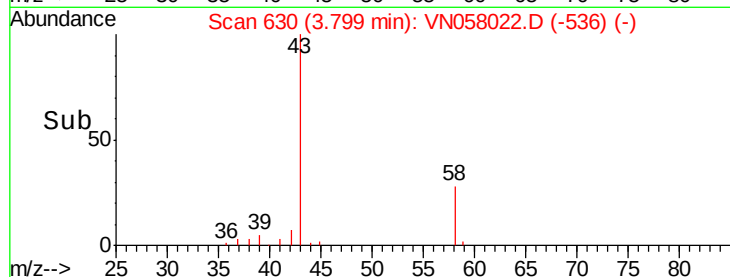
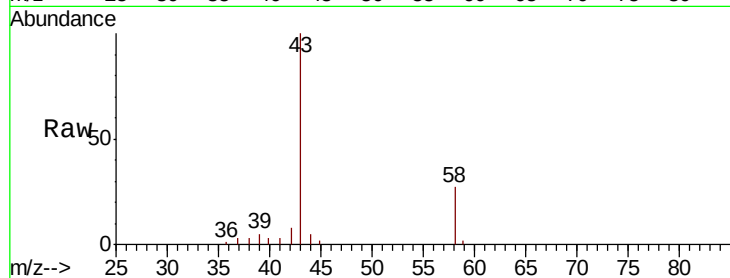
IDW-GW200-B4-091119RE

Tgt Ion: 43 Resp: 55557

Ion Ratio Lower Upper

43 100

58 26.9 22.2 33.2



#17

Carbon Disulfide

Concen: 0.354 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN058022.D

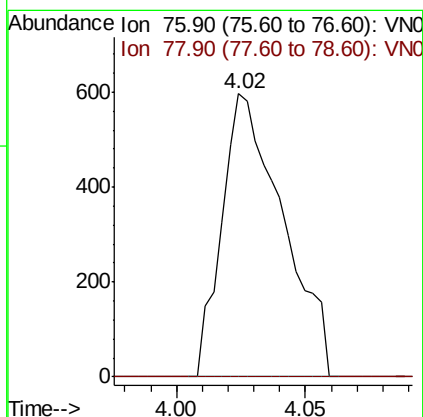
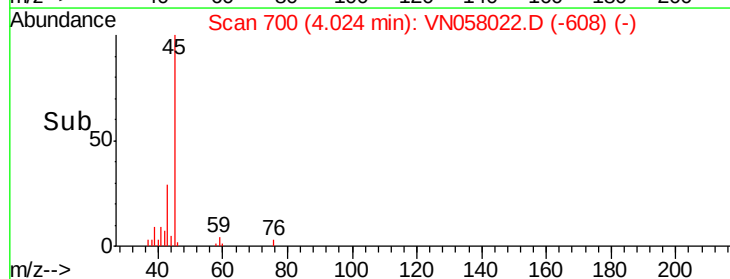
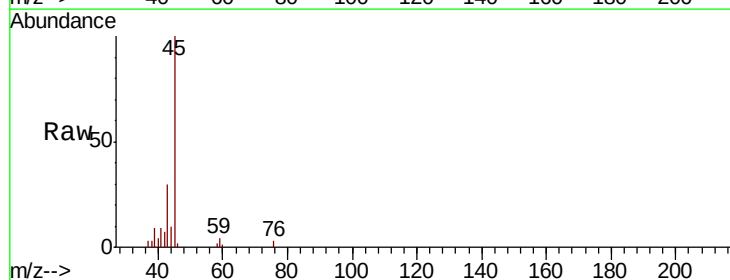
Acq: 13 Sep 2019 17:33

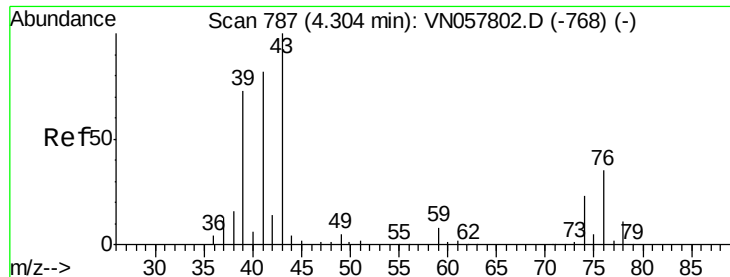
Tgt Ion: 76 Resp: 983

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

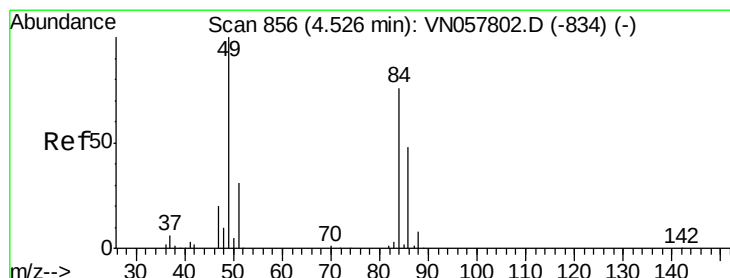
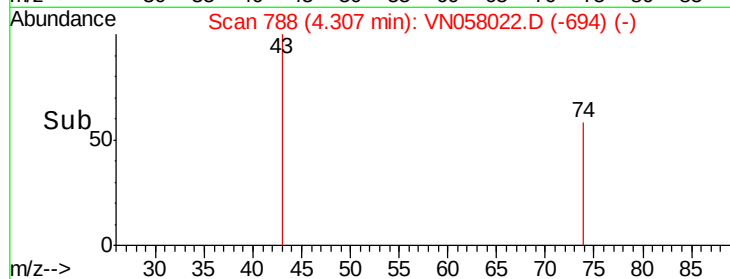
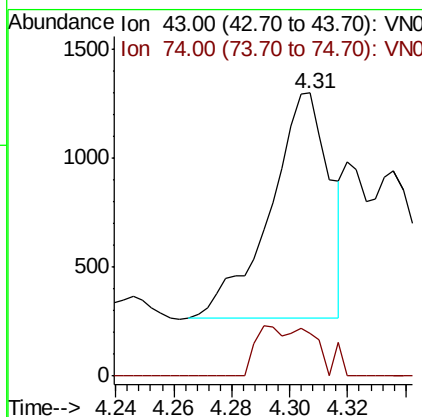
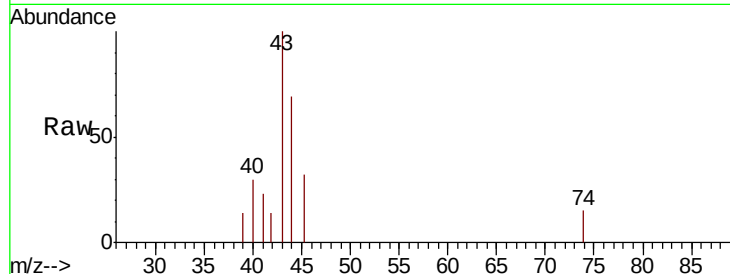




#18  
Methyl Acetate  
Concen: 0.276 ug/l  
RT: 4.31 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

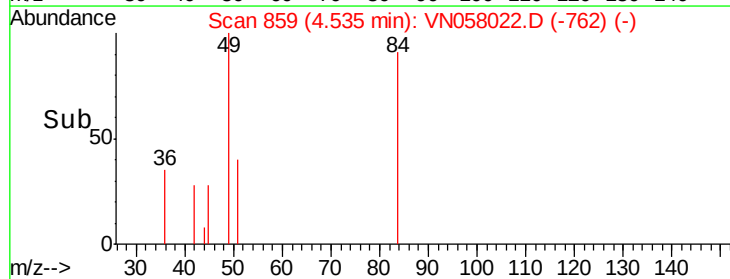
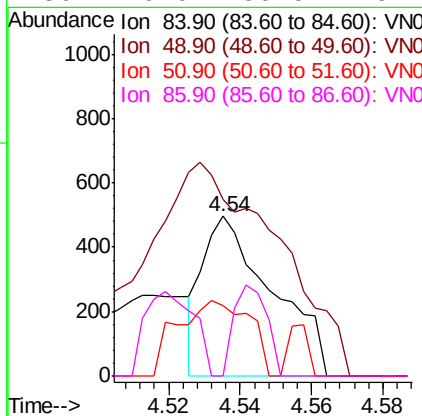
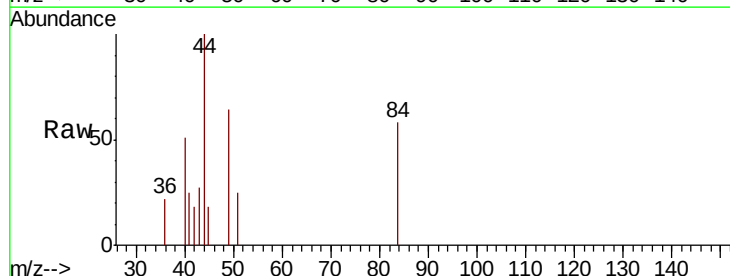
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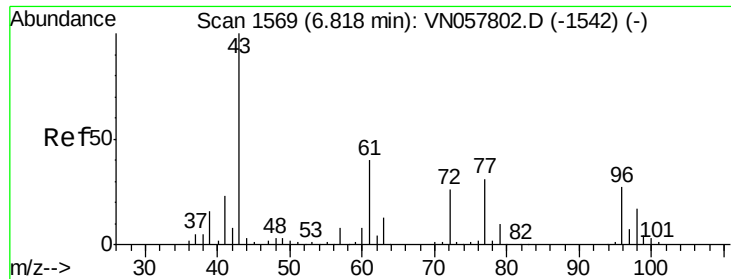
Tgt Ion: 43 Resp: 1483  
Ion Ratio Lower Upper  
43 100  
74 10.2 17.9 26.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.54 min Scan# 859  
Delta R.T. 0.01 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

Tgt Ion: 84 Resp: 669  
Ion Ratio Lower Upper  
84 100  
49 78.5 104.8 157.2#  
51 43.9 33.0 49.4  
86 0.0 50.5 75.7#





#25

2-Butanone

Concen: 1.856 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

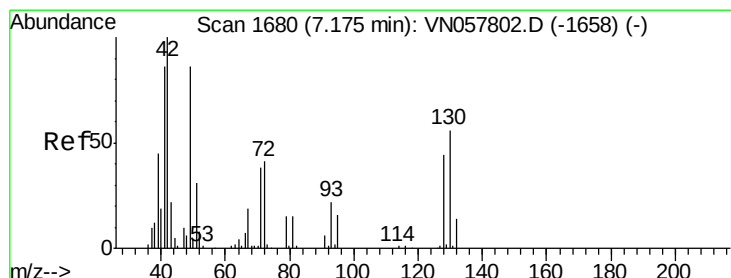
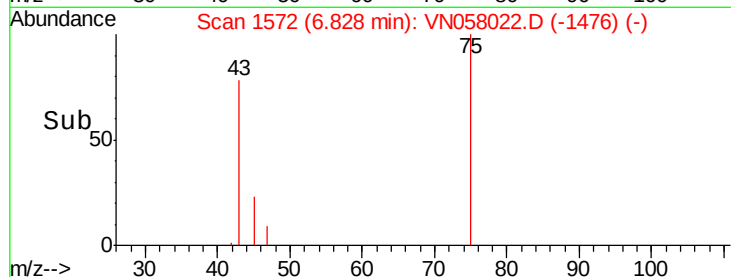
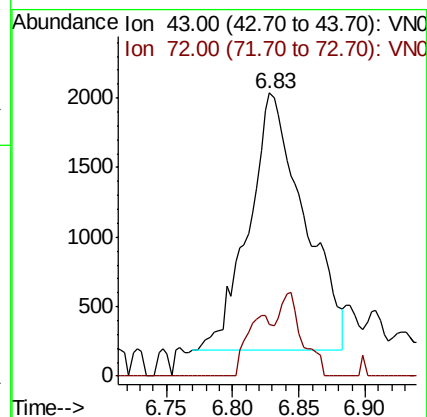
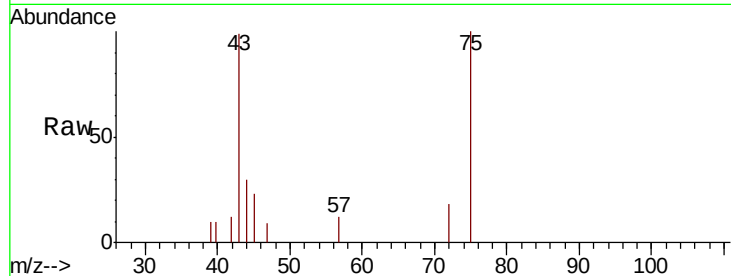
IDW-GW200-B4-091119RE

Tgt Ion: 43 Resp: 5404

Ion Ratio Lower Upper

43 100

72 20.3 20.6 30.8#



#28

Bromochloromethane

Concen: 2.486 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.18 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

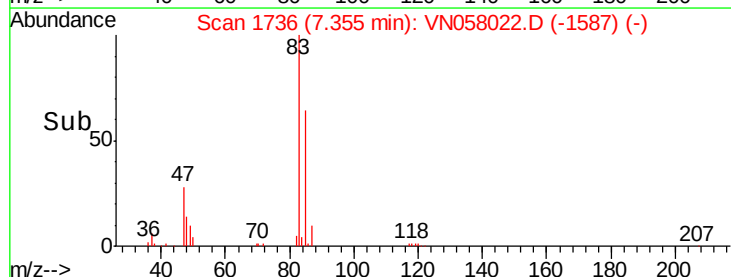
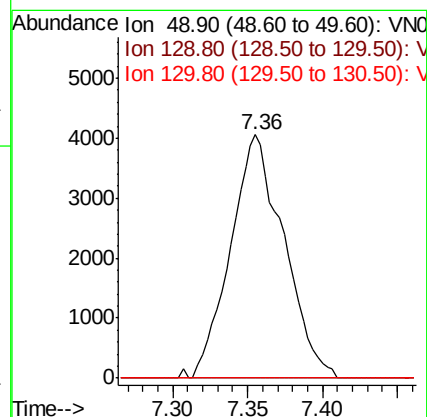
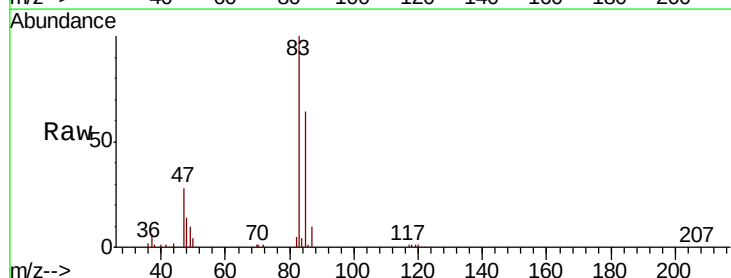
Tgt Ion: 49 Resp: 10049

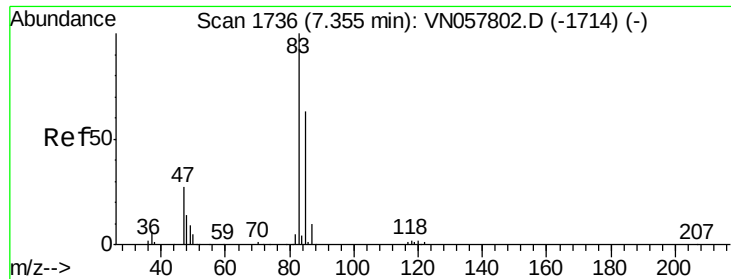
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 53.0 79.6#

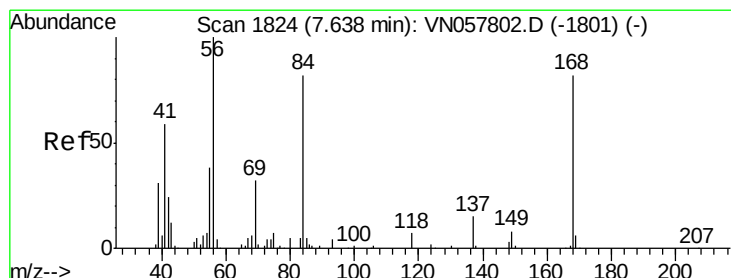
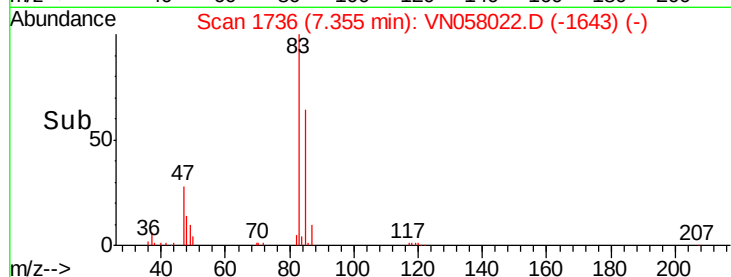
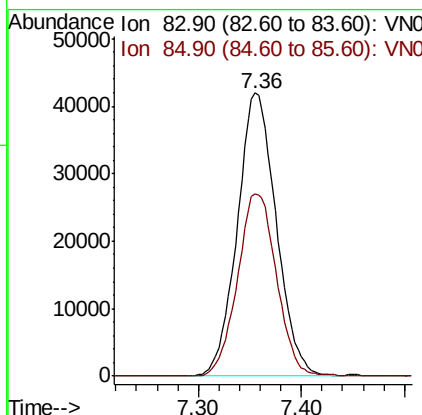
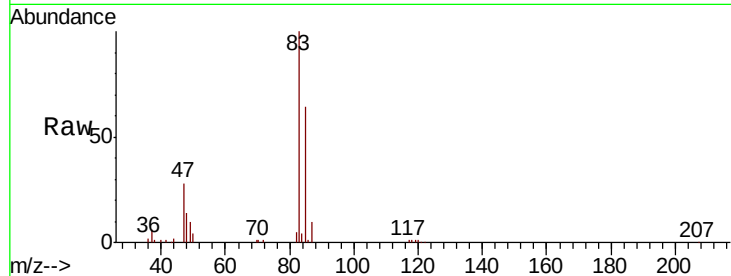




#30  
Chloroform  
Concen: 13.007 ug/l  
RT: 7.36 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

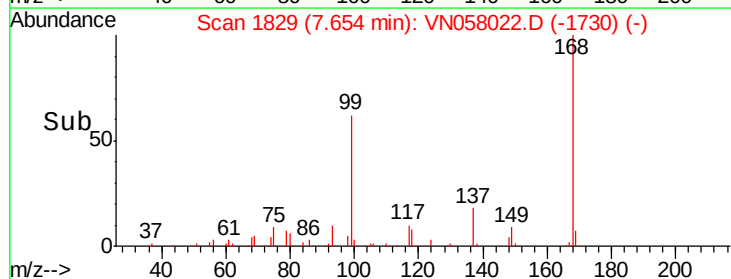
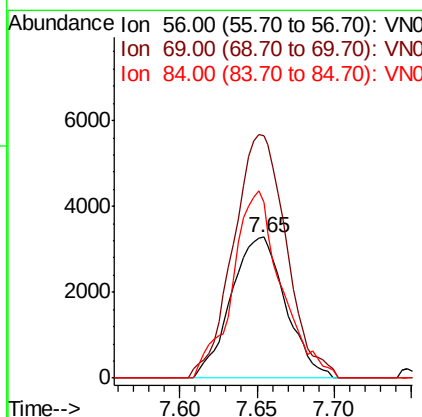
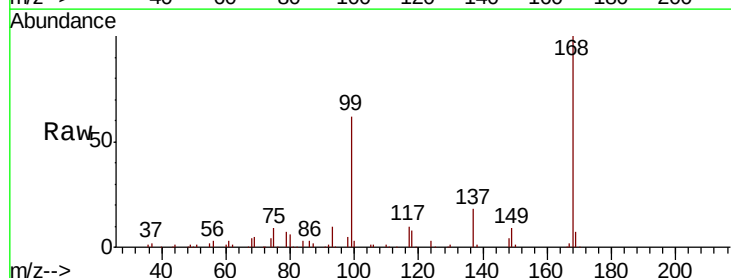
Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-GW200-B4-091119RE

Tgt Ion: 83 Resp: 110041  
Ion Ratio Lower Upper  
83 100  
85 64.2 50.6 75.8

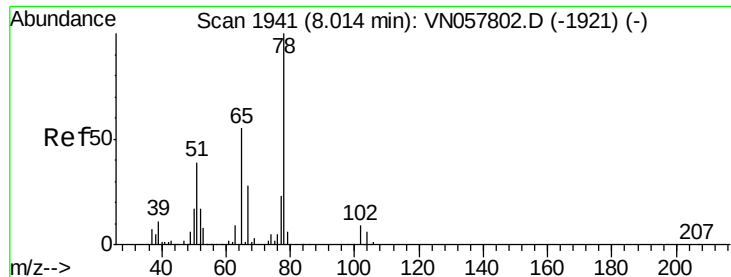


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.02 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

Tgt Ion: 56 Resp: 8046  
Ion Ratio Lower Upper  
56 100  
69 172.4 25.9 38.9#  
84 124.8 65.6 98.4#



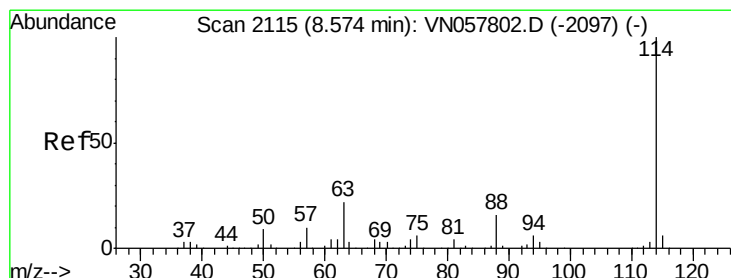
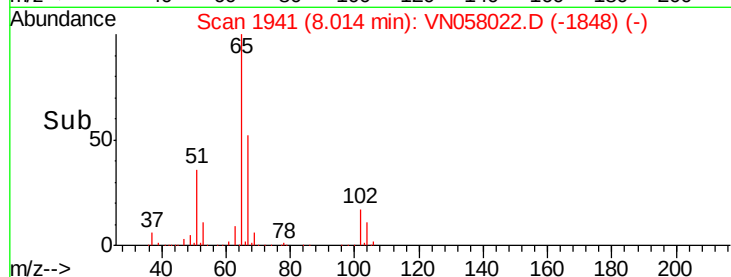
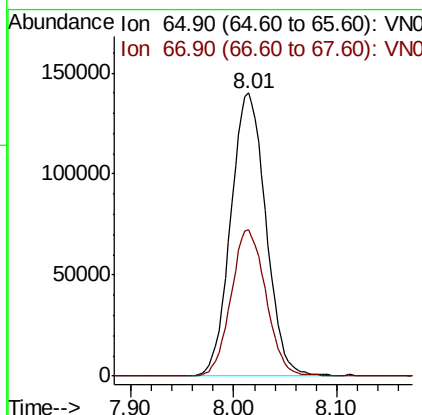
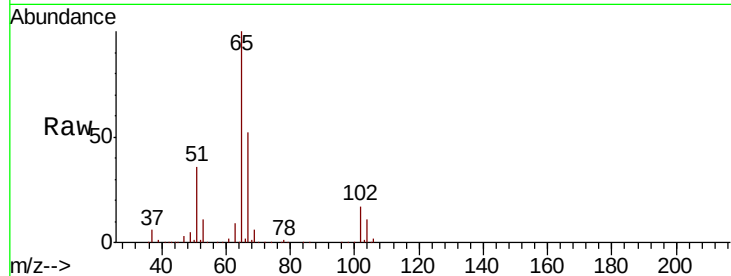




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.103 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN058022.D  
 Acq: 13 Sep 2019 17:33

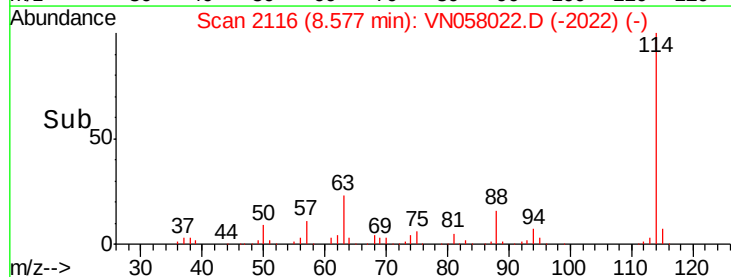
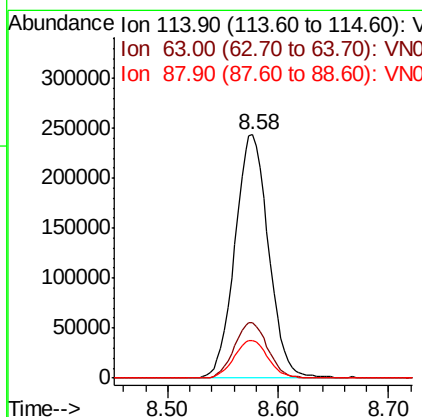
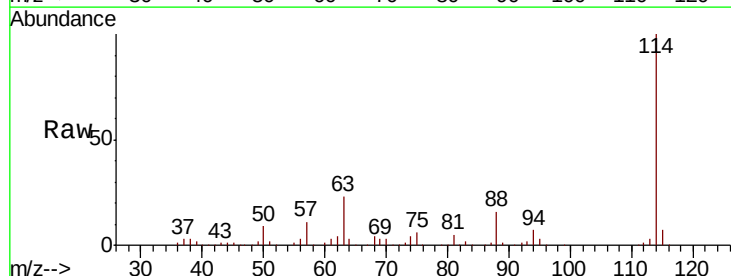
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-GW200-B4-091119RE

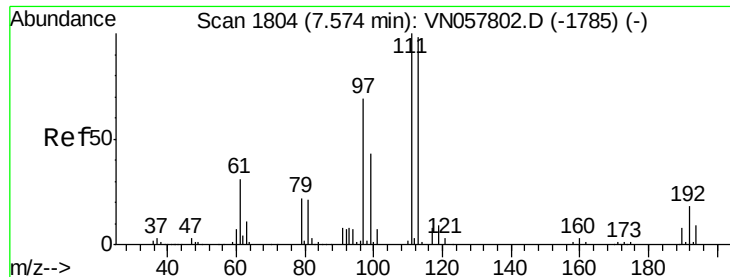
Tgt Ion: 65 Resp: 331994  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN058022.D  
 Acq: 13 Sep 2019 17:33

Tgt Ion: 114 Resp: 513877  
 Ion Ratio Lower Upper  
 114 100  
 63 22.5 0.0 44.0  
 88 15.7 0.0 31.4

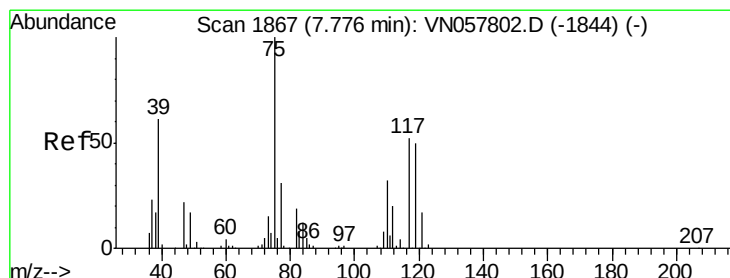
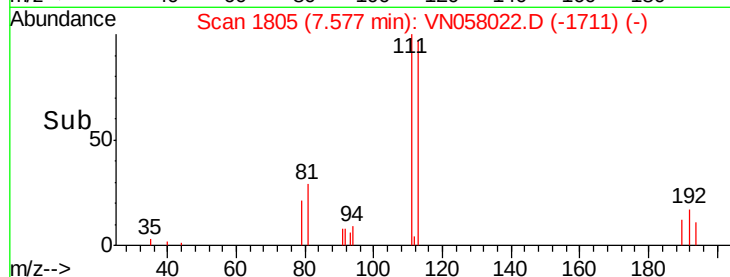
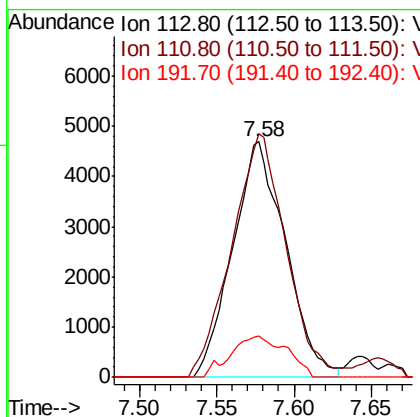
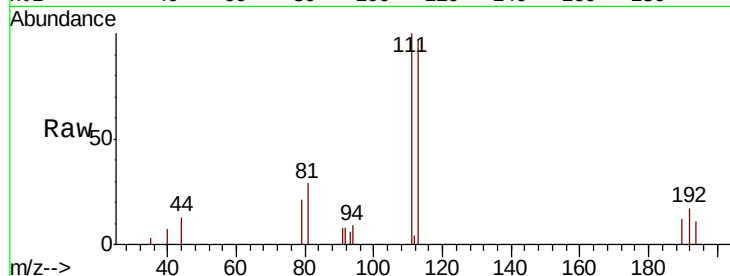




#35  
 Dibromofluoromethane  
 Concen: 2.357 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN058022.D  
 Acq: 13 Sep 2019 17:33

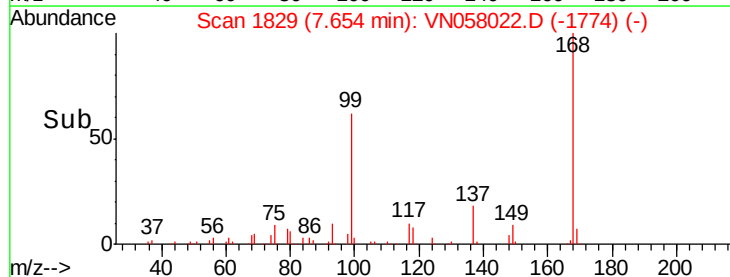
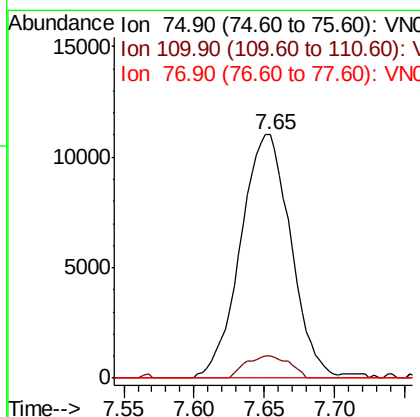
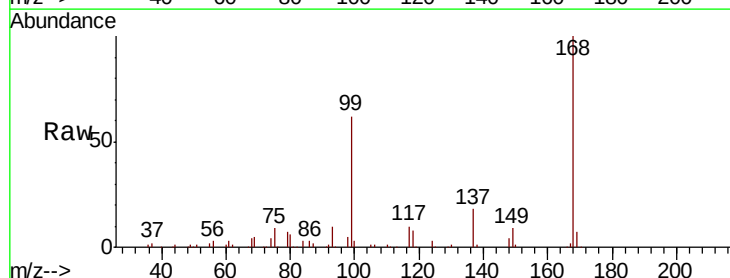
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-GW200-B4-091119RE

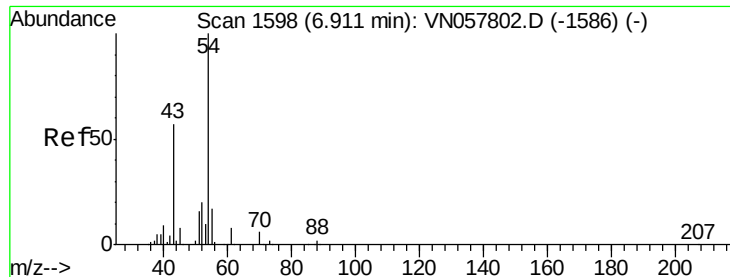
Tgt Ion: 113 Resp: 11177  
 Ion Ratio Lower Upper  
 113 100  
 111 106.1 81.3 121.9  
 192 18.4 14.6 22.0



#36  
 1,1-Dichloropropene  
 Concen: 4.586 ug/l  
 RT: 7.65 min Scan# 1829  
 Delta R.T. -0.12 min  
 Lab File: VN058022.D  
 Acq: 13 Sep 2019 17:33

Tgt Ion: 75 Resp: 27333  
 Ion Ratio Lower Upper  
 75 100  
 110 7.9 16.3 48.9#  
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.878 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.08 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

IDW-GW200-B4-091119RE

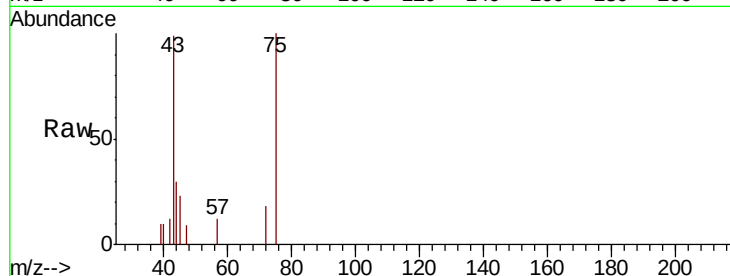
Tgt Ion: 43 Resp: 5404

Ion Ratio Lower Upper

43 100

61 8.2 10.5 15.7#

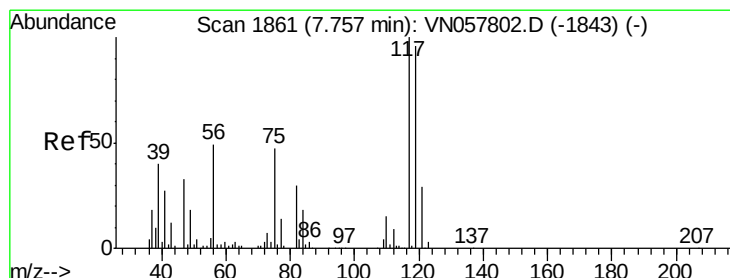
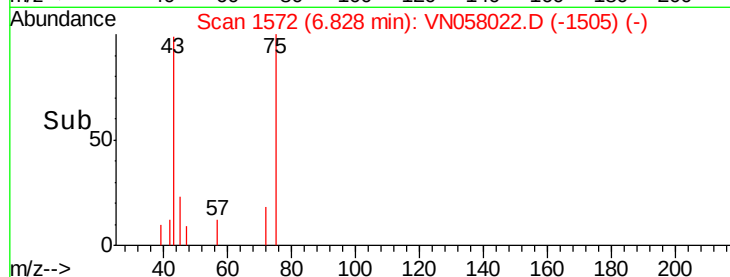
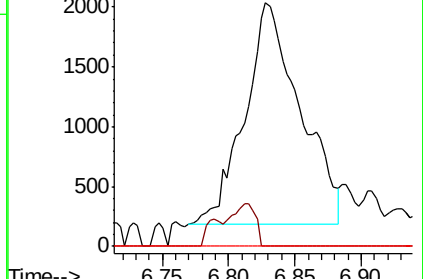
70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1586) (-)

Ion 60.90 (60.60 to 61.60): VN057802.D (-1586) (-)

Ion 70.00 (69.70 to 70.70): VN057802.D (-1586) (-)



#38

Carbon Tetrachloride

Concen: 5.843 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

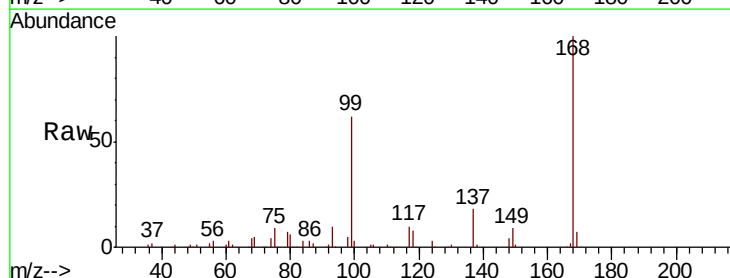
Tgt Ion: 117 Resp: 31792

Ion Ratio Lower Upper

117 100

119 4.7 76.9 115.3#

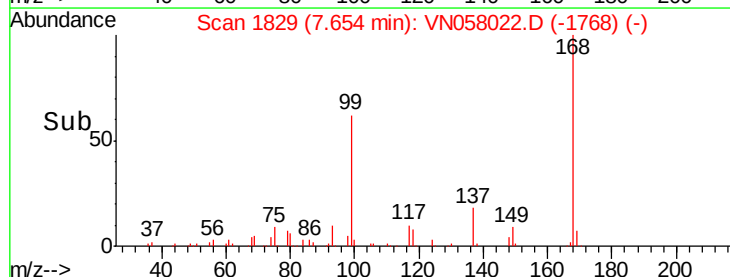
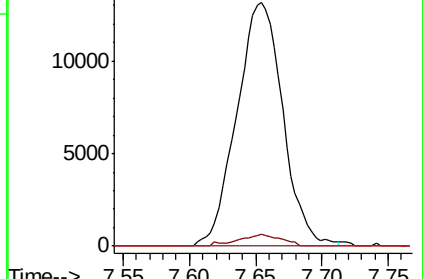
121 0.0 23.4 35.2#

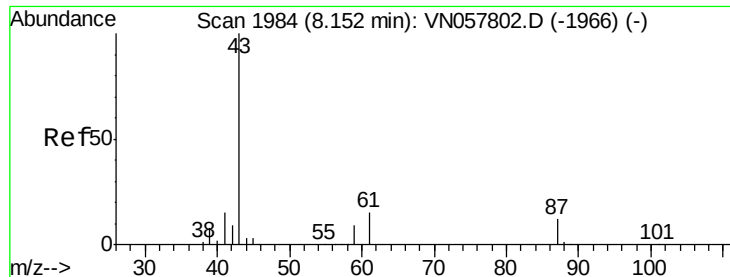


Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-1843) (-)

Ion 118.80 (118.50 to 119.50): VN057802.D (-1843) (-)

Ion 120.80 (120.50 to 121.50): VN057802.D (-1843) (-)





#43

Isopropyl Acetate

Concen: 6.236 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.14 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

IDW-GW200-B4-091119RE

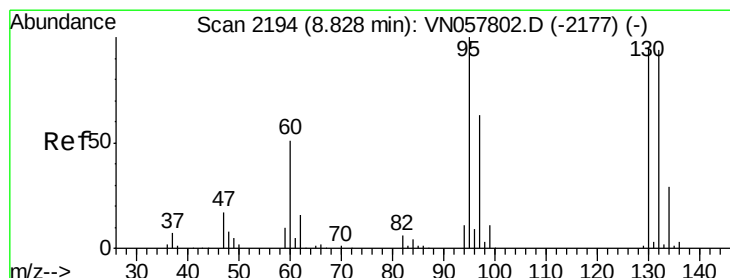
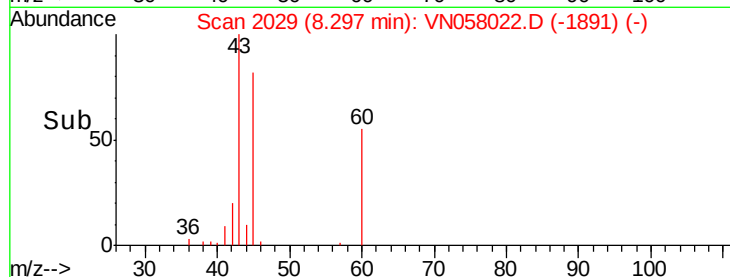
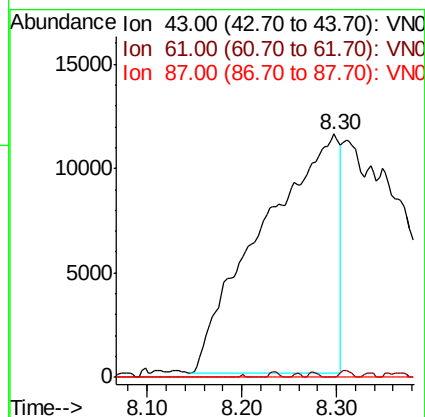
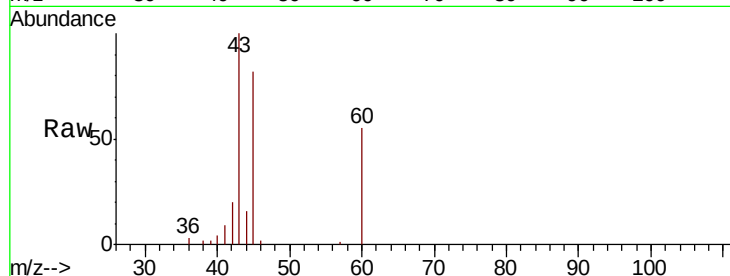
Tgt Ion: 43 Resp: 64575

Ion Ratio Lower Upper

43 100

61 0.4 20.1 30.1#

87 0.0 9.5 14.3#



#44

Trichloroethene

Concen: 0.341 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN058022.D

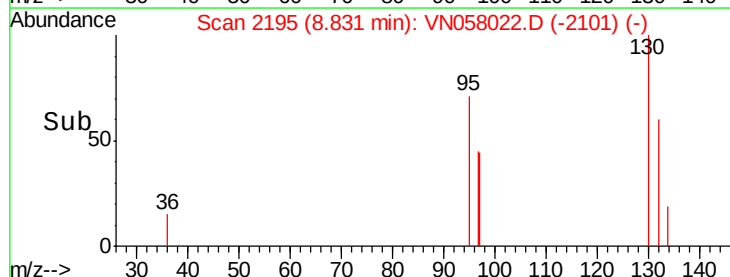
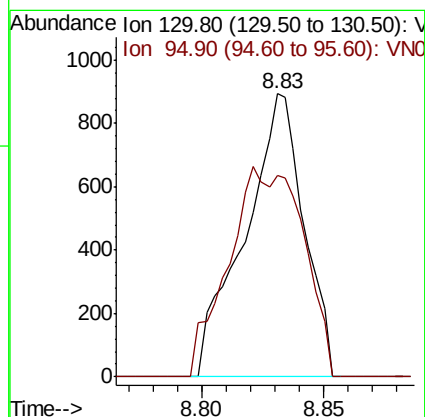
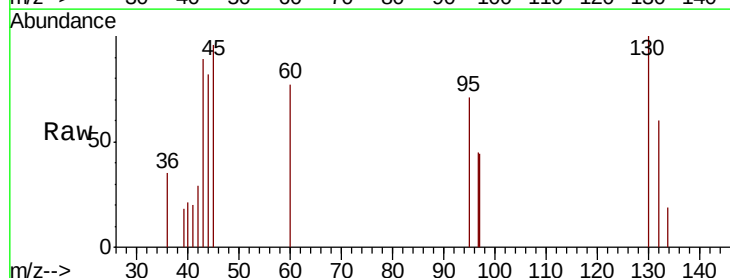
Acq: 13 Sep 2019 17:33

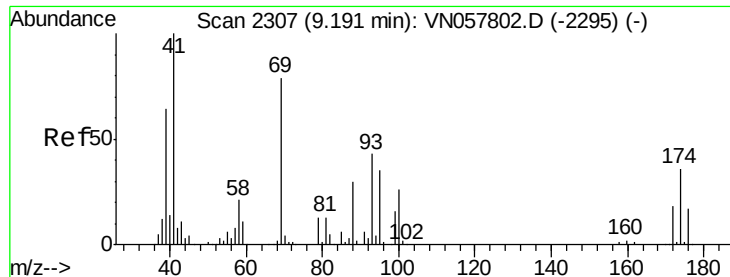
Tgt Ion: 130 Resp: 1500

Ion Ratio Lower Upper

130 100

95 71.0 0.0 211.4

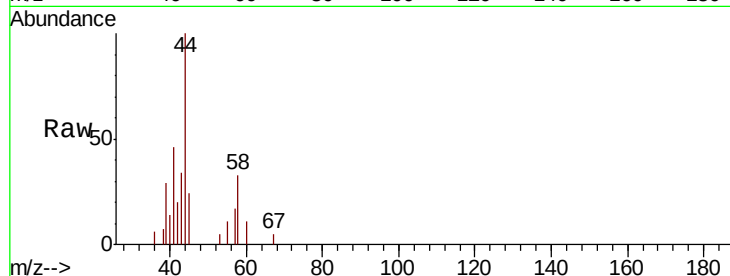




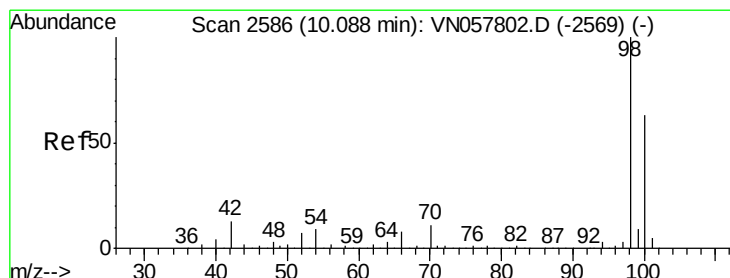
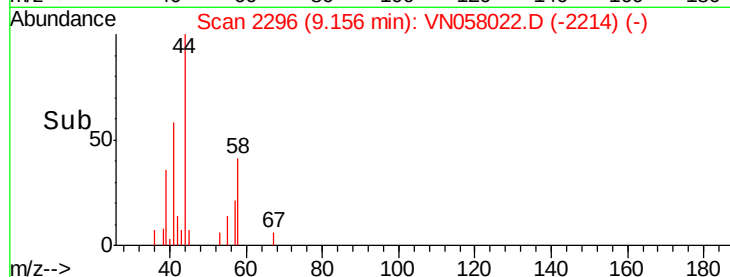
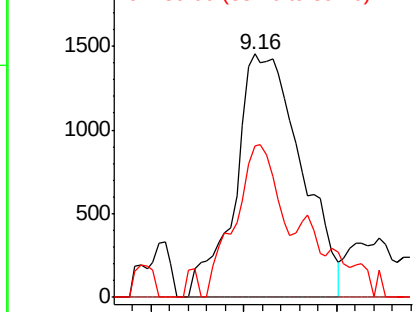
#48  
Methyl methacrylate  
Concen: 0.685 ug/l  
RT: 9.16 min Scan# 2296  
Delta R.T. -0.04 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-GW200-B4-091119RE

Tgt Ion: 41 Resp: 3599  
Ion Ratio Lower Upper  
41 100  
69 0.0 62.7 94.1#  
39 42.2 52.7 79.1#

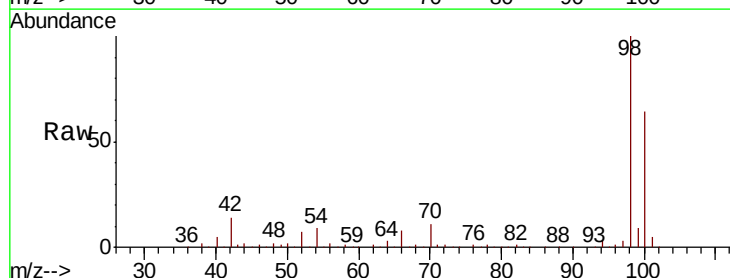


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

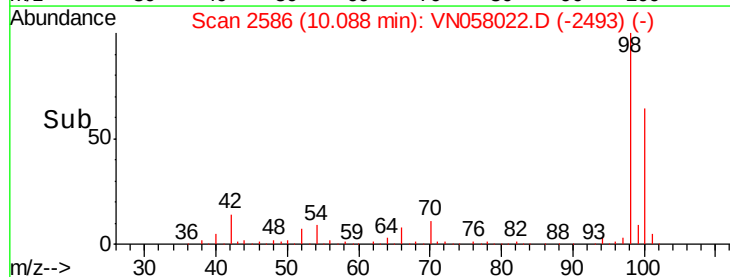
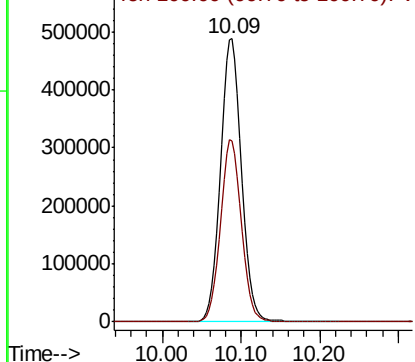


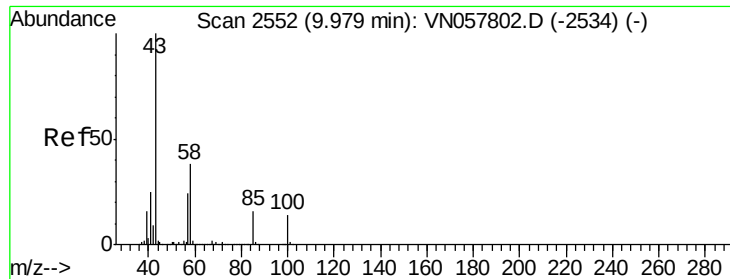
#50  
Toluene-d8  
Concen: 48.609 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. 0.00 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

Tgt Ion: 98 Resp: 895111  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0

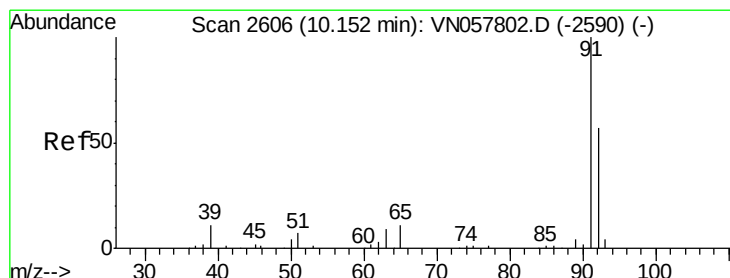
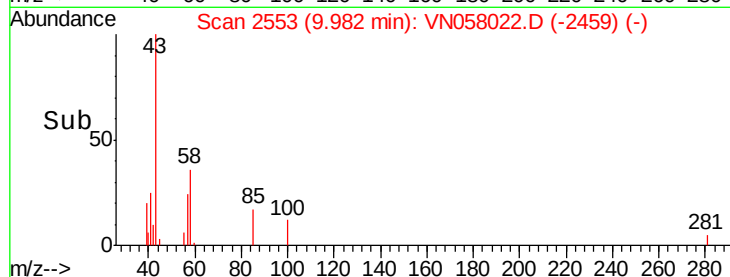
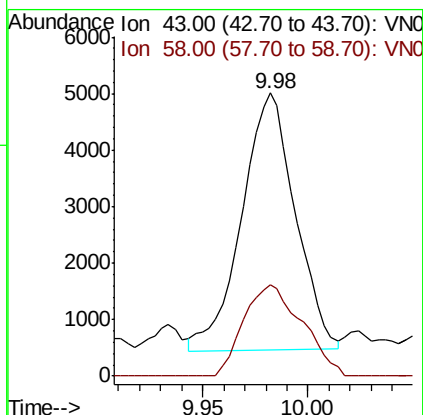
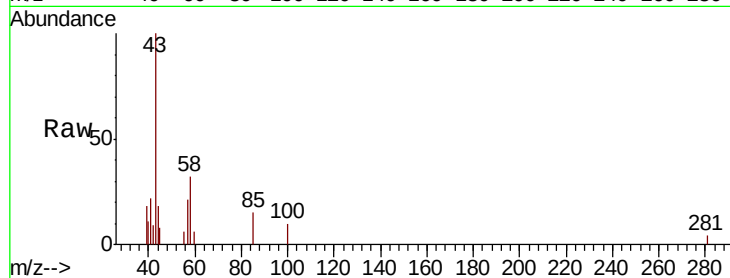




#51  
 4-Methyl-2-Pentanone  
 Concen: 1.308 ug/l  
 RT: 9.98 min Scan# 2553  
 Delta R.T. 0.00 min  
 Lab File: VN058022.D  
 Acq: 13 Sep 2019 17:33

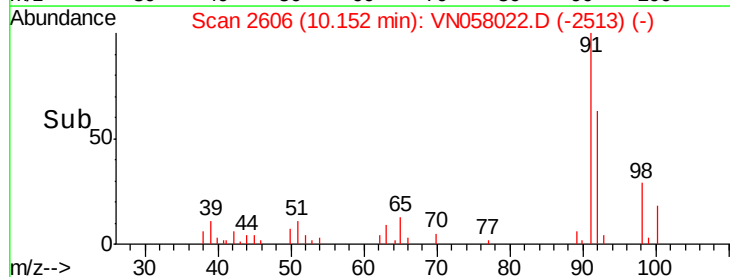
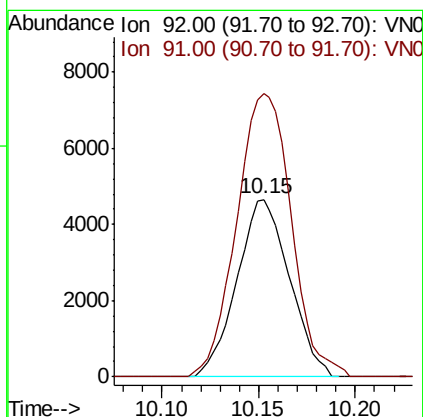
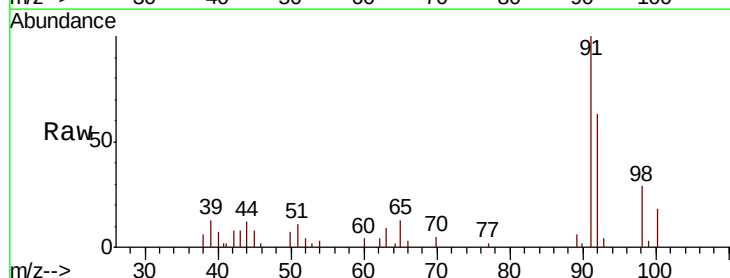
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-GW200-B4-091119RE

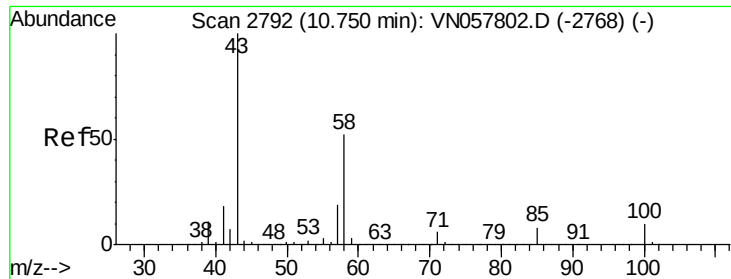
Tgt Ion: 43 Resp: 8017  
 Ion Ratio Lower Upper  
 43 100  
 58 38.7 29.8 44.6



#52  
 Toluene  
 Concen: 0.779 ug/l  
 RT: 10.15 min Scan# 2606  
 Delta R.T. 0.00 min  
 Lab File: VN058022.D  
 Acq: 13 Sep 2019 17:33

Tgt Ion: 92 Resp: 8802  
 Ion Ratio Lower Upper  
 92 100  
 91 165.8 141.0 211.6

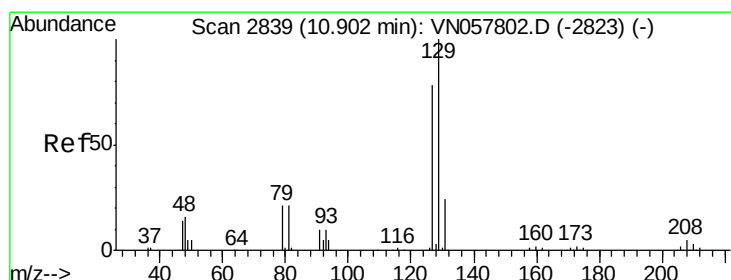
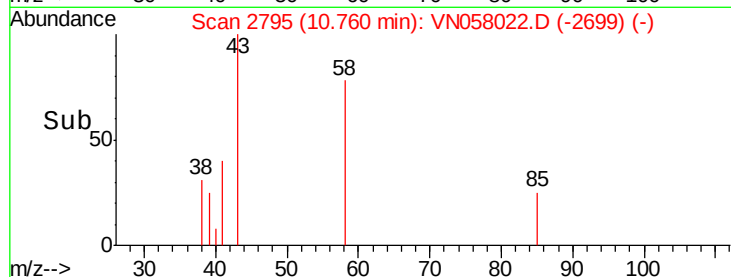
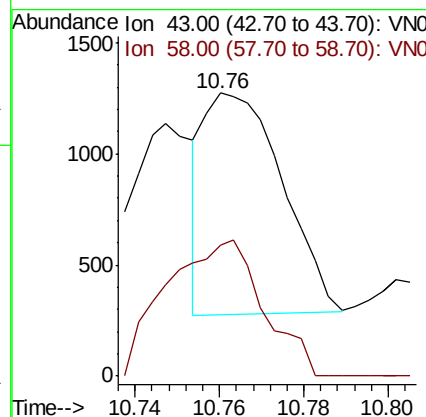
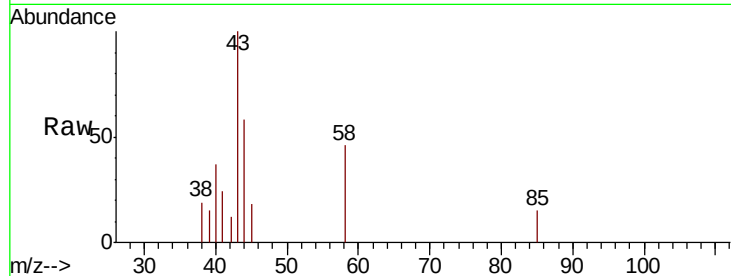




#59  
 2-Hexanone  
 Concen: 0.279 ug/l  
 RT: 10.76 min Scan# 2795  
 Delta R.T. 0.01 min  
 Lab File: VN058022.D  
 Acq: 13 Sep 2019 17:33

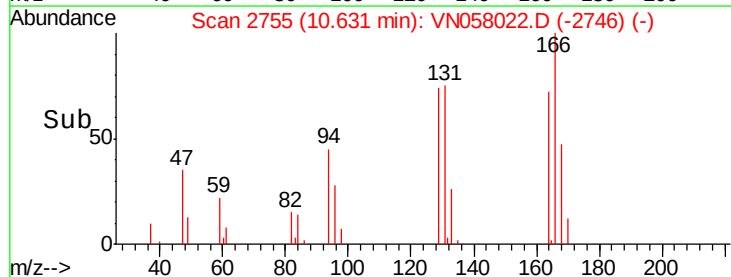
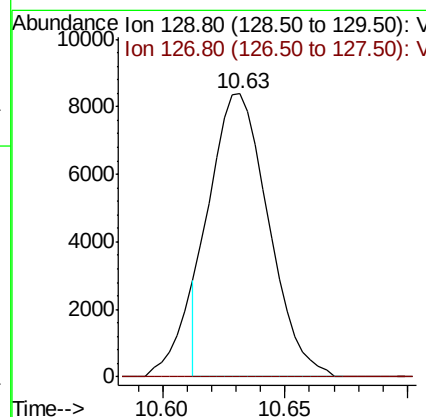
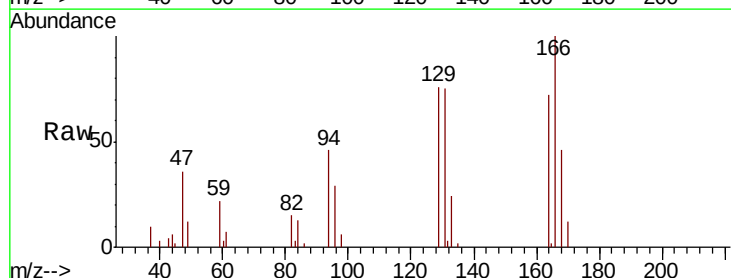
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-GW200-B4-091119RE

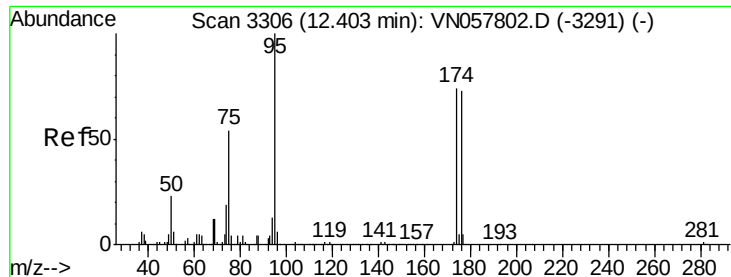
Tgt Ion: 43 Resp: 1281  
 Ion Ratio Lower Upper  
 43 100  
 58 76.6 25.6 76.8



#60  
 Dibromochloromethane  
 Concen: 3.125 ug/l  
 RT: 10.63 min Scan# 2755  
 Delta R.T. -0.27 min  
 Lab File: VN058022.D  
 Acq: 13 Sep 2019 17:33

Tgt Ion: 129 Resp: 13893  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 41.486 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

IDW-GW200-B4-091119RE

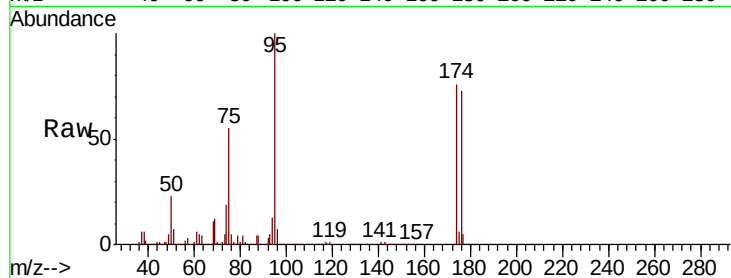
Tgt Ion: 95 Resp: 291130

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 72.6 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

12.41

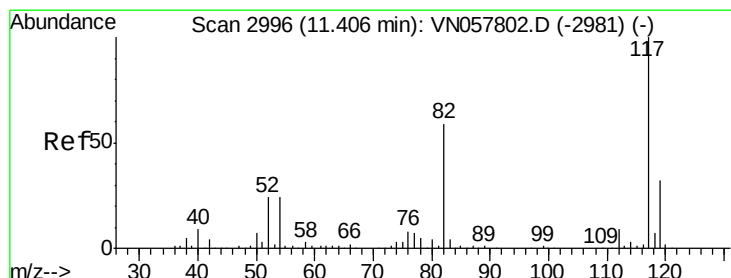
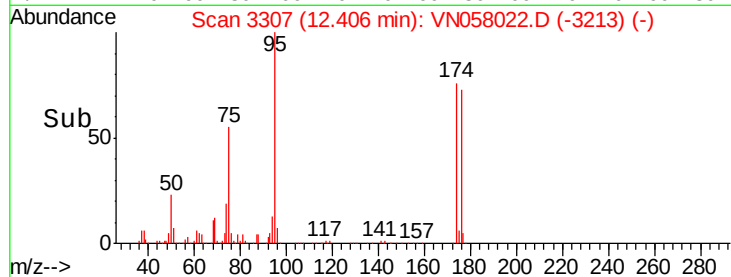
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

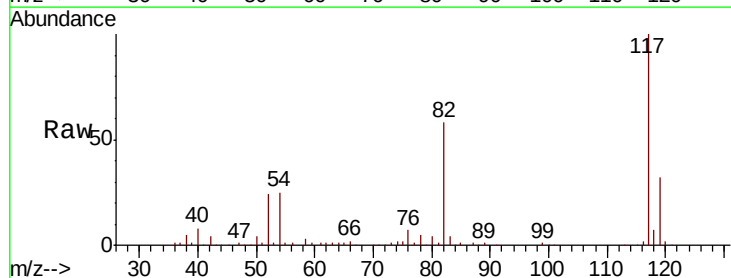
Tgt Ion: 117 Resp: 461669

Ion Ratio Lower Upper

117 100

82 58.3 47.2 70.8

119 31.7 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

11.41

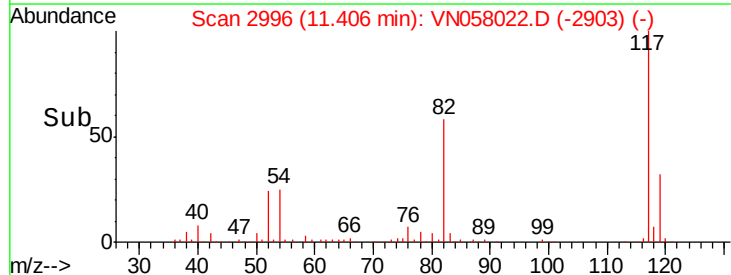
300000

200000

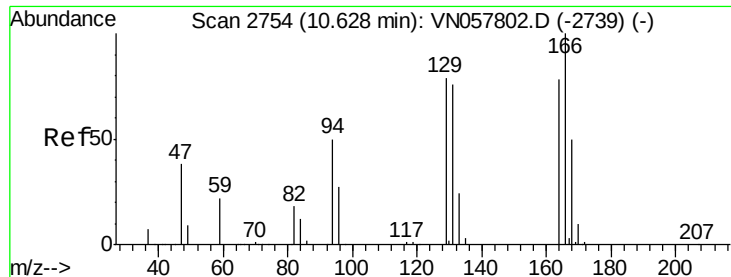
100000

0

Time--> 11.30 11.40 11.50



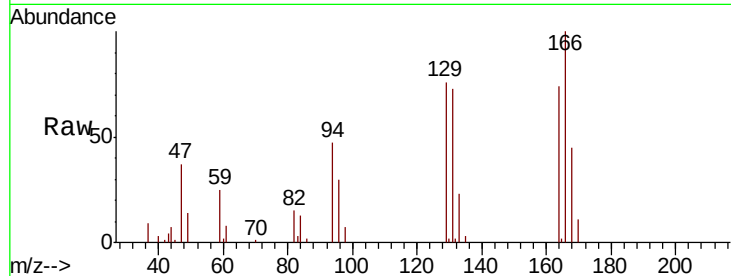




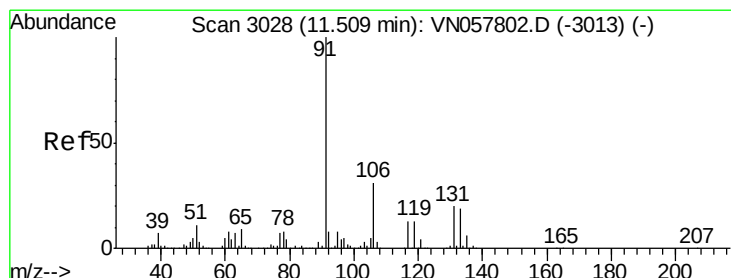
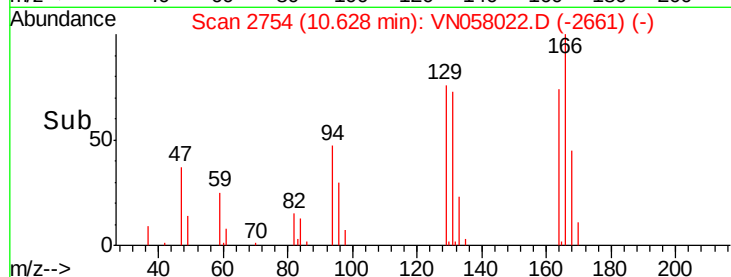
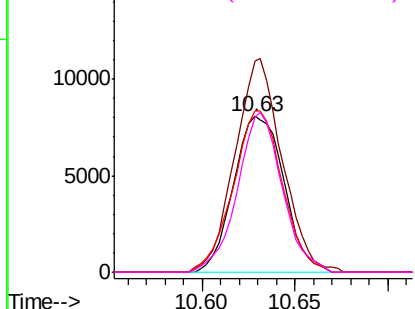
#64  
Tetrachloroethene  
Concen: 4.456 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-GW200-B4-091119RE

Tgt Ion:164 Resp: 15190  
Ion Ratio Lower Upper  
164 100  
166 136.0 102.2 153.2  
129 103.4 80.8 121.2  
131 99.5 77.4 116.2

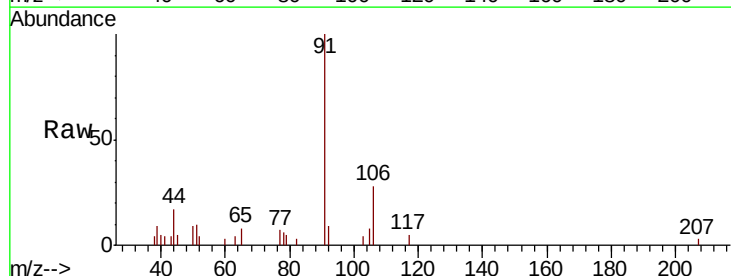


Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

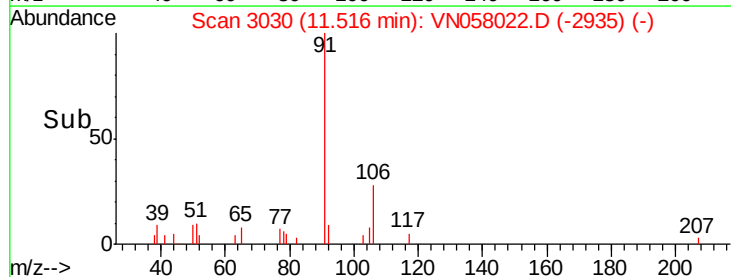
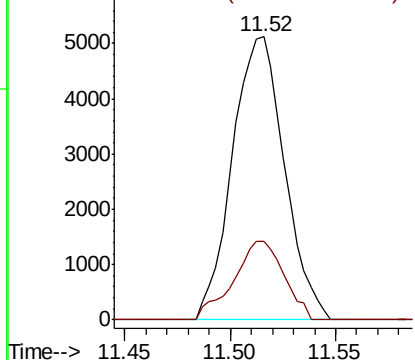


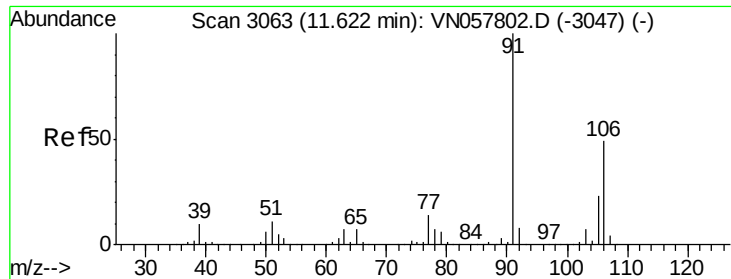
#67  
Ethyl Benzene  
Concen: 0.415 ug/l  
RT: 11.52 min Scan# 3030  
Delta R.T. 0.01 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

Tgt Ion: 91 Resp: 8787  
Ion Ratio Lower Upper  
91 100  
106 27.8 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN0  
Ion 106.00 (105.70 to 106.70): V

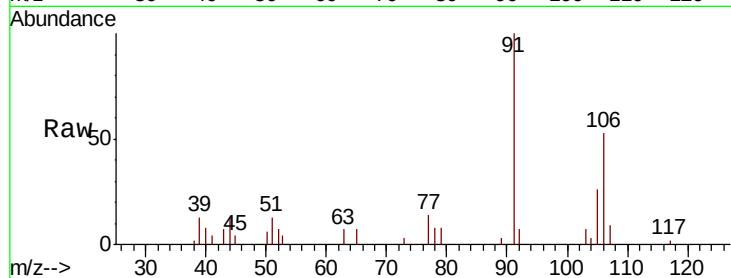




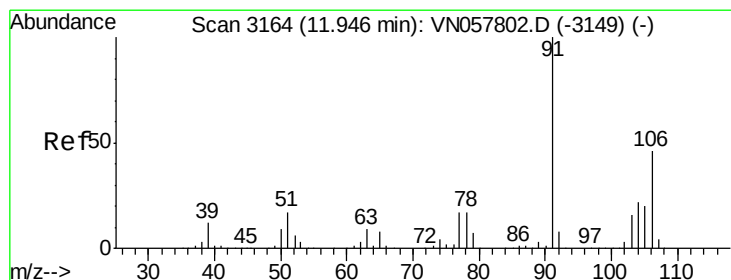
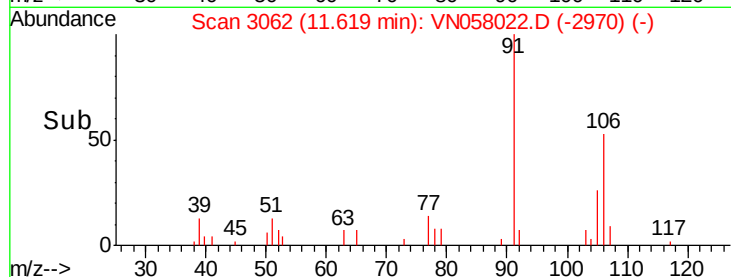
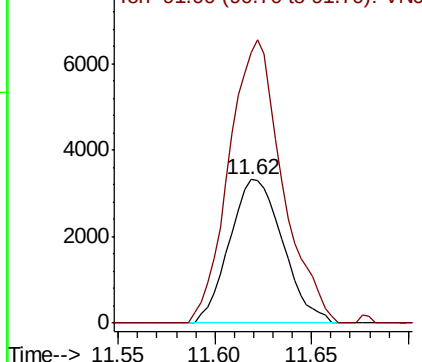
#68  
m/p-Xylenes  
Concen: 0.822 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-GW200-B4-091119RE

Tgt Ion:106 Resp: 6379  
Ion Ratio Lower Upper  
106 100  
91 197.4 165.8 248.6

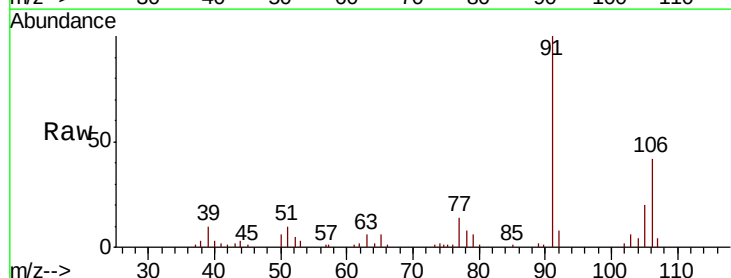


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN0

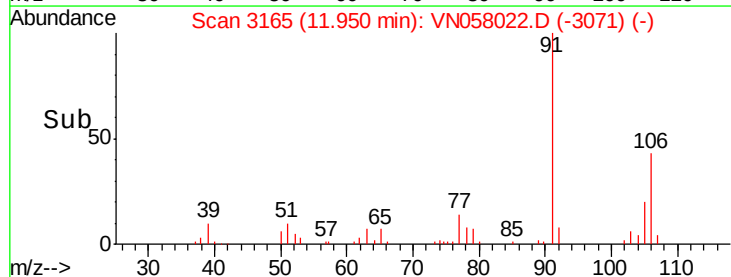
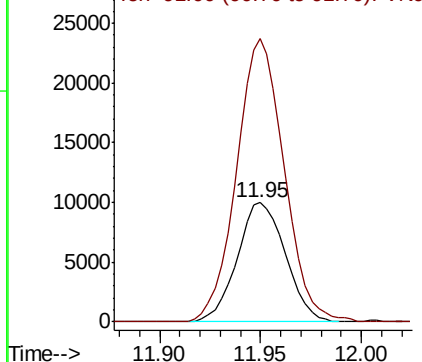


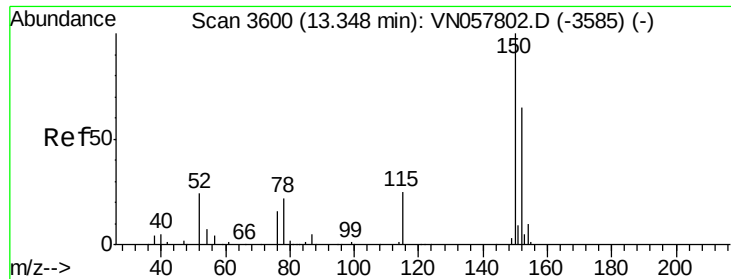
#69  
o-Xylene  
Concen: 2.162 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058022.D  
Acq: 13 Sep 2019 17:33

Tgt Ion:106 Resp: 16670  
Ion Ratio Lower Upper  
106 100  
91 234.6 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

IDW-GW200-B4-091119RE

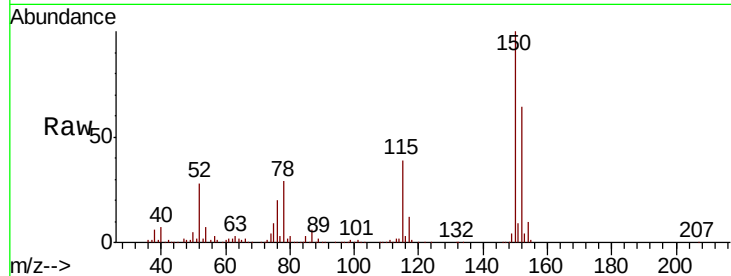
Tgt Ion: 152 Resp: 241317

Ion Ratio Lower Upper

152 100

115 61.0 30.3 91.0

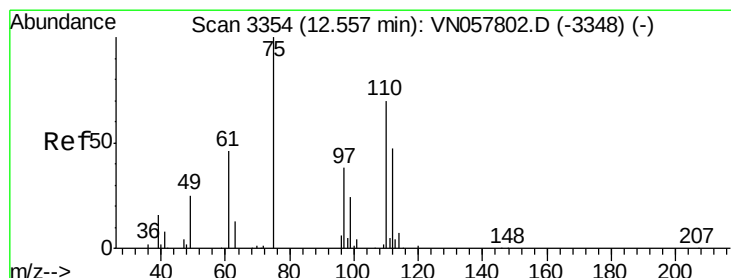
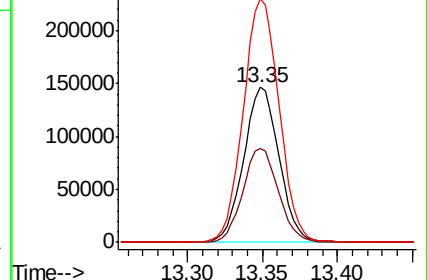
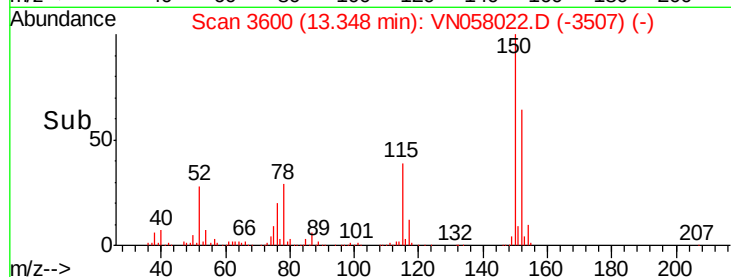
150 159.1 0.0 352.4



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



#76

1,2,3-Trichloropropane

Concen: 28.712 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058022.D

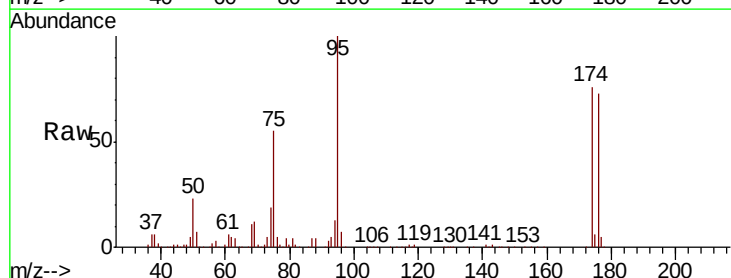
Acq: 13 Sep 2019 17:33

Tgt Ion: 75 Resp: 156741

Ion Ratio Lower Upper

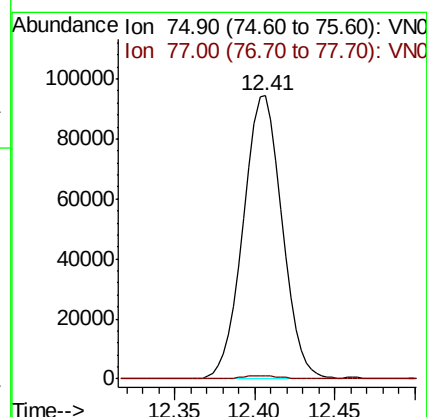
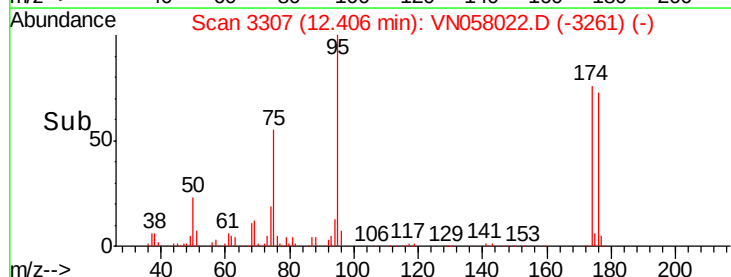
75 100

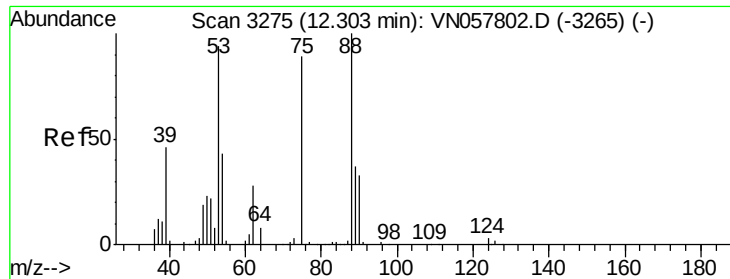
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 101.039 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

IDW-GW200-B4-091119RE

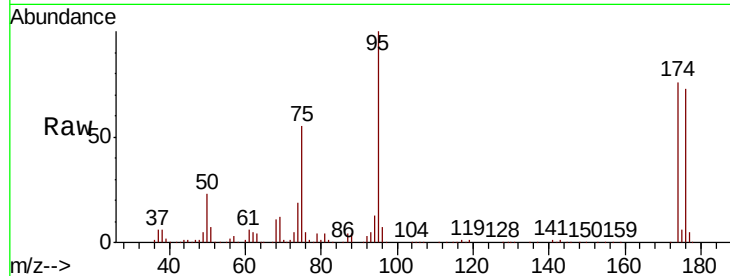
Tgt Ion: 75 Resp: 156741

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

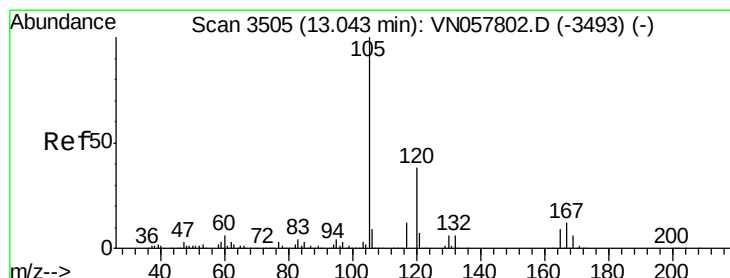
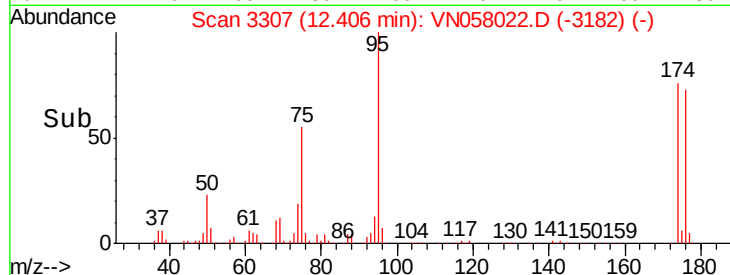
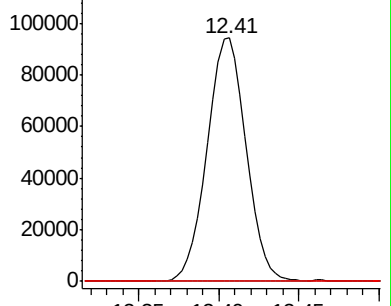
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN058022.D (-3307) (-)

Ion 53.00 (52.70 to 53.70): VN058022.D (-3307) (-)

Ion 88.90 (88.60 to 89.60): VN058022.D (-3307) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.301 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058022.D

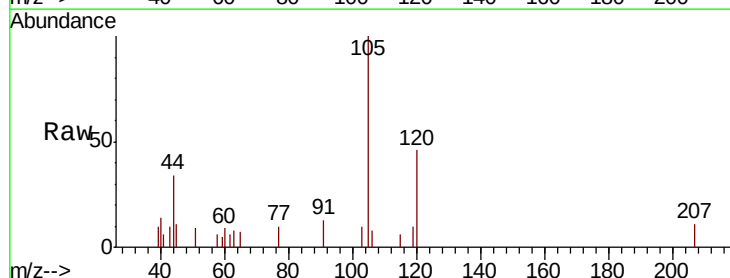
Acq: 13 Sep 2019 17:33

Tgt Ion: 105 Resp: 4841

Ion Ratio Lower Upper

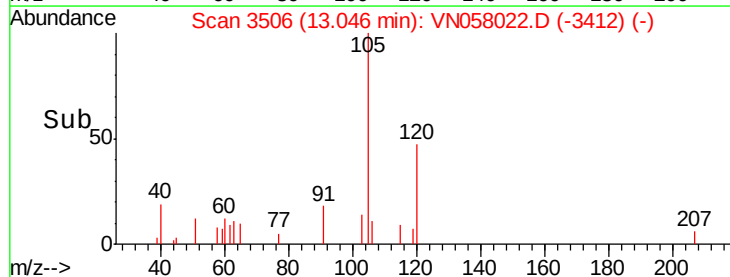
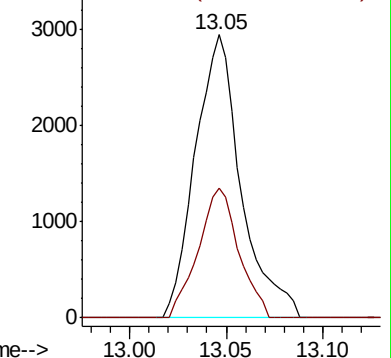
105 100

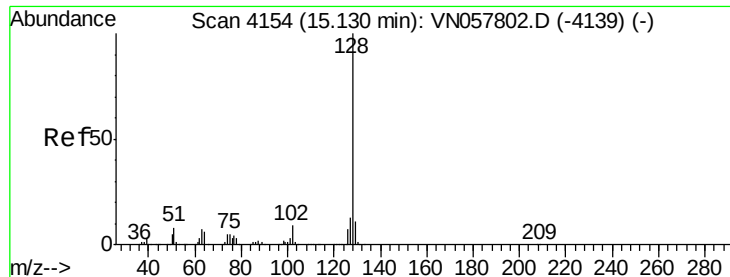
120 40.7 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): VN058022.D (-3506) (-)

Ion 120.00 (119.70 to 120.70): VN058022.D (-3506) (-)





#95

Naphthalene

Concen: 1.823 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

IDW-GW200-B4-091119RE

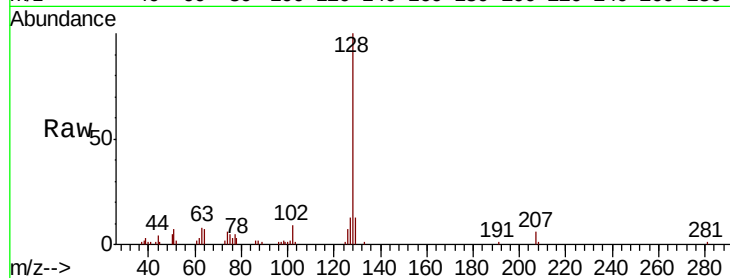
Tgt Ion:128 Resp: 47138

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

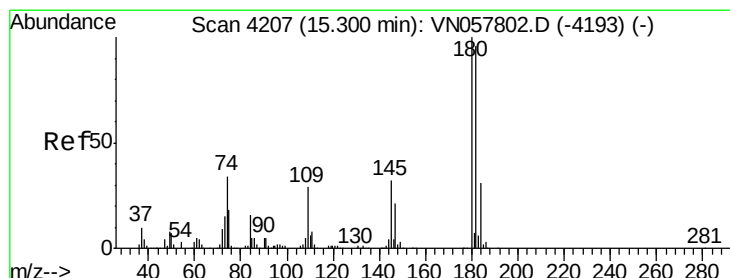
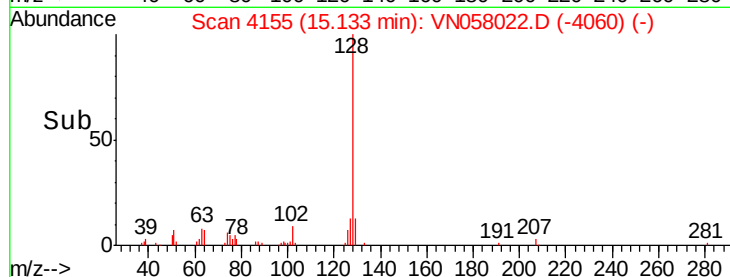
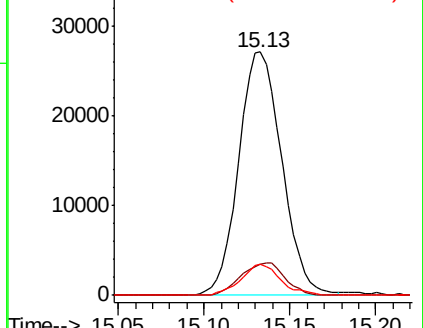
129 11.7 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 1.295 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

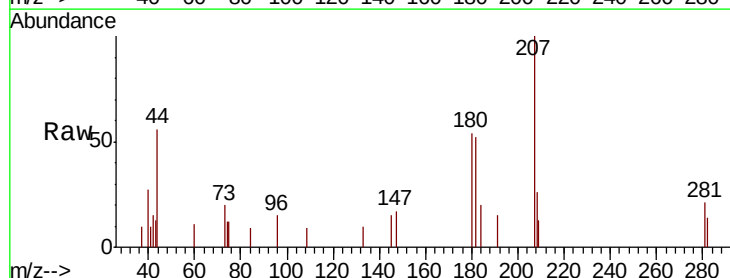
Tgt Ion:180 Resp: 1478

Ion Ratio Lower Upper

180 100

182 101.9 48.3 144.8

145 18.1 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

