

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\  
 Data File : VN056038.D  
 Acq On : 6 Jun 2019 11:59  
 Operator : JC/SP  
 Sample : K3195-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LF014RW133-190603

Quant Time: Jun 06 17:53:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 342108   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 516449   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 476973   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 151566   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 176276   | 51.89 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.78% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 158304   | 49.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.92%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 647274   | 53.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.18% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 201996   | 48.72 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.44%  |          |

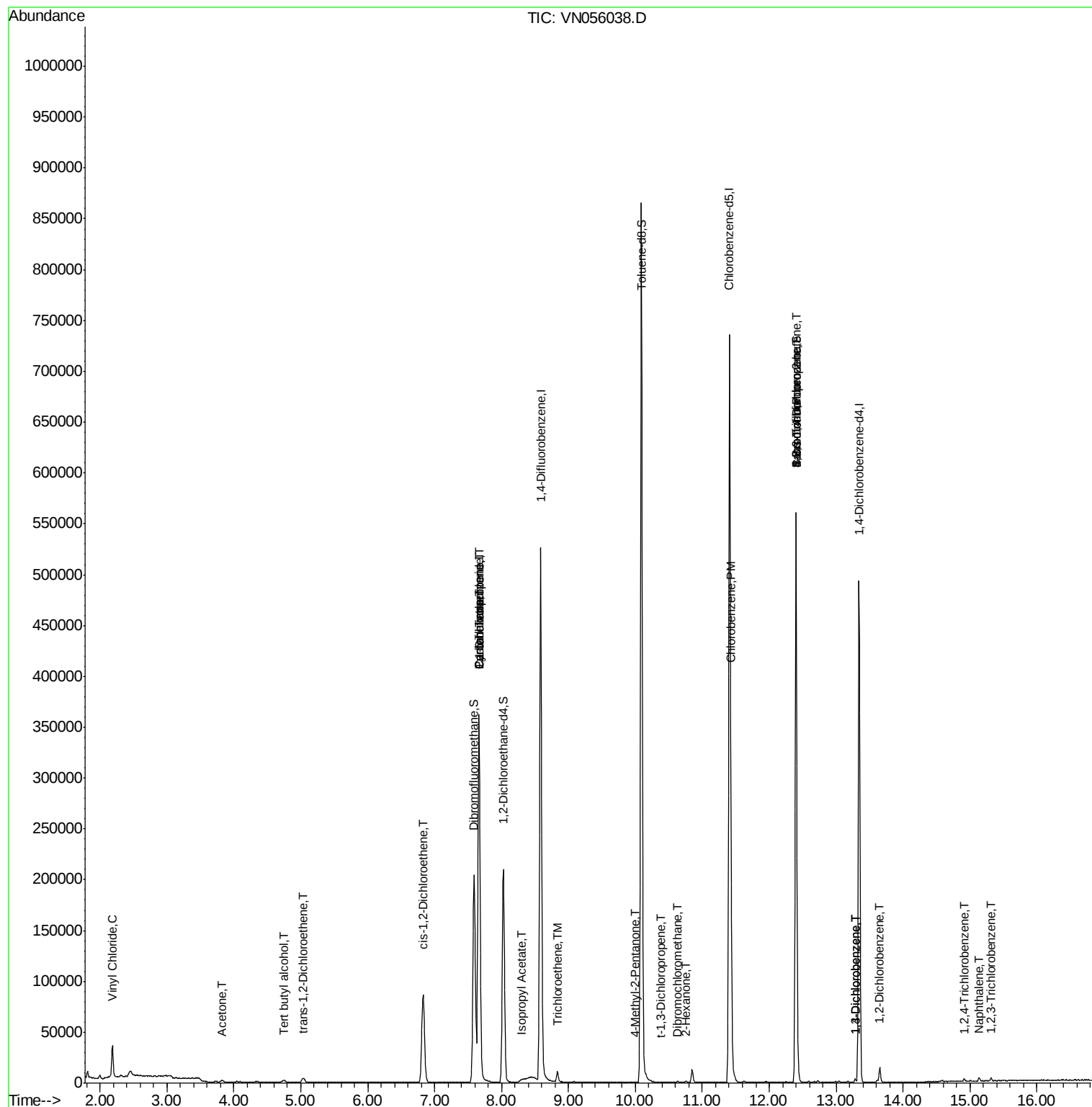
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 4) Vinyl Chloride              | 2.18  | 62   | 29175    | 7.843     | ug/l   | 96     |
| 11) Tert butyl alcohol         | 4.74  | 59   | 2323     | 3.930     | ug/l # | 74     |
| 16) Acetone                    | 3.83  | 43   | 3398     | 2.092     | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene   | 5.03  | 96   | 3349     | 1.088     | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene     | 6.83  | 96   | 61423    | 16.981    | ug/l   | 90     |
| 31) Cyclohexane                | 7.66  | 56   | 5176     | 0.960     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 19847    | 4.469     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 28942    | 7.069     | ug/l # | 14     |
| 43) Isopropyl Acetate          | 8.30  | 43   | 2275     | 0.355     | ug/l # | 53     |
| 44) Trichloroethene            | 8.83  | 130  | 4159     | 1.073     | ug/l   | 99     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1078     | 0.269     | ug/l # | 35     |
| 53) t-1,3-Dichloropropene      | 10.39 | 75   | 32       | 2.404     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.75 | 43   | 807      | 0.278     | ug/l   | 67     |
| 60) Dibromochloromethane       | 10.63 | 129  | 170      | 2.496     | ug/l # | 11     |
| 65) Chlorobenzene              | 11.43 | 112  | 70939    | 7.473     | ug/l   | 98     |
| 71) Bromoform                  | 12.40 | 173  | 1266     | 3.177     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105  | 805      | Below Cal | #      | 62     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 92403    | 33.133    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 718      | Below Cal |        | 85     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 92403    | 110.338   | ug/l # | 15     |
| 83) tert-Butylbenzene          | 12.99 | 119  | 750      | Below Cal | #      | 84     |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1350     | 0.269     | ug/l   | 89     |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 1350     | 0.279     | ug/l   | 89     |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 7506     | 1.480     | ug/l   | 98     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 1265     | 4.684     | ug/l   | 86     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 358      | Below Cal | #      | 53     |
| 95) Naphthalene                | 15.13 | 128  | 3770     | 4.331     | ug/l # | 91     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 1474     | 3.517     | ug/l   | 94     |

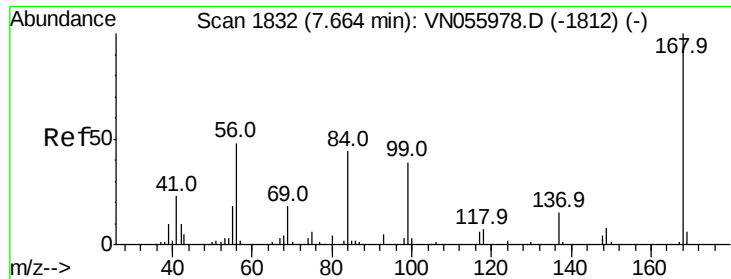
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jun 04 11:02:09 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: VN056038.D

Acq: 6 Jun 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

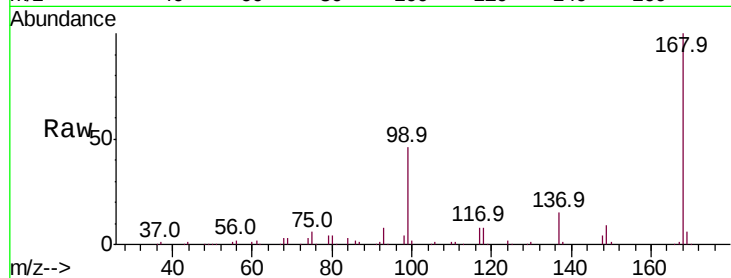
LF014RW133-190603

Tot Ion:168 Resp: 342108

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

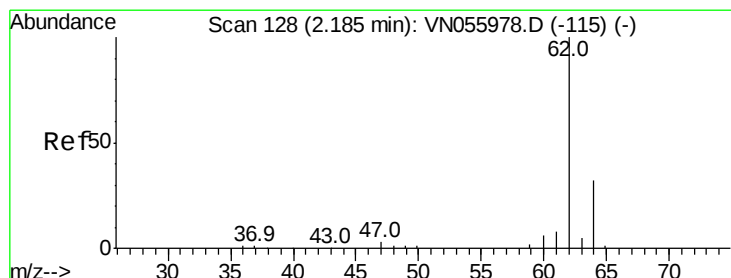
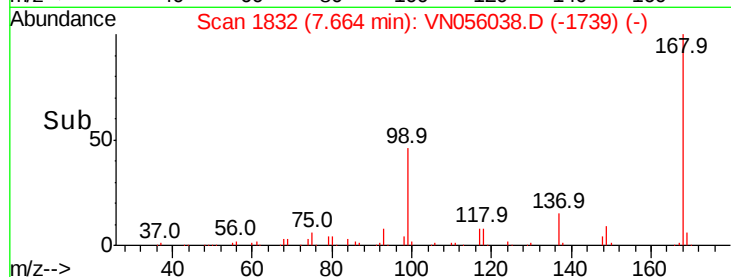
100000

50000

0

7.60 7.70 7.80

Time-->



#4

Vinyl Chloride

Concen: 7.843 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056038.D

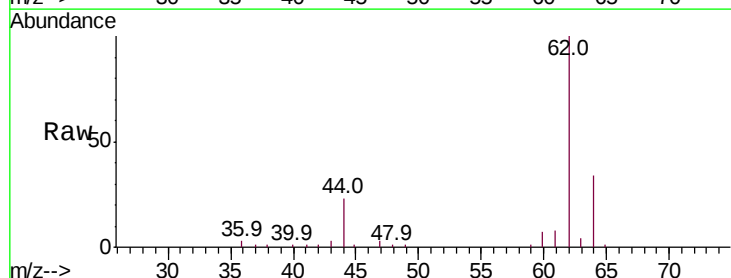
Acq: 6 Jun 2019 11:59

Tgt Ion: 62 Resp: 29175

Ion Ratio Lower Upper

62 100

64 34.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

20000

15000

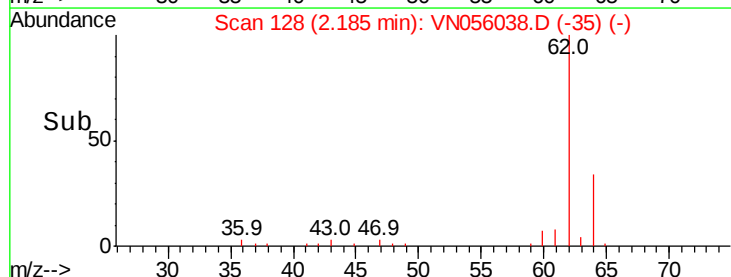
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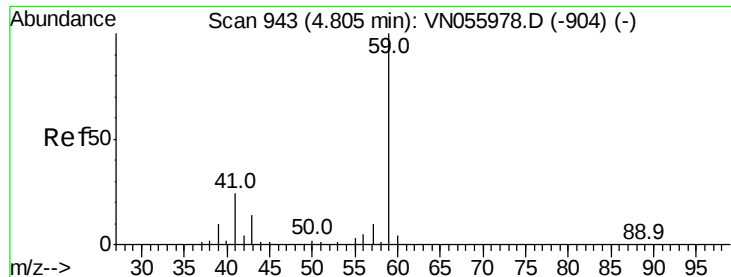
5000

0

2.15 2.20 2.25

Time-->



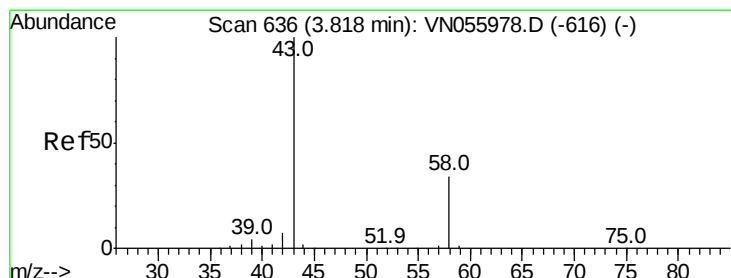
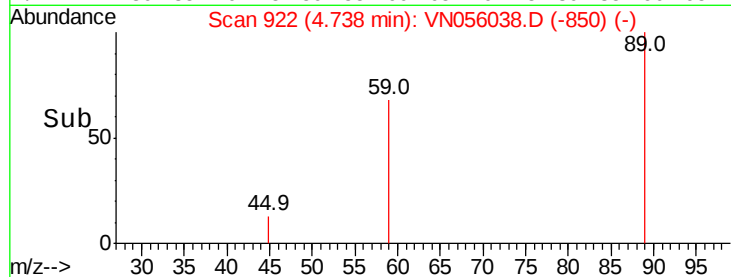
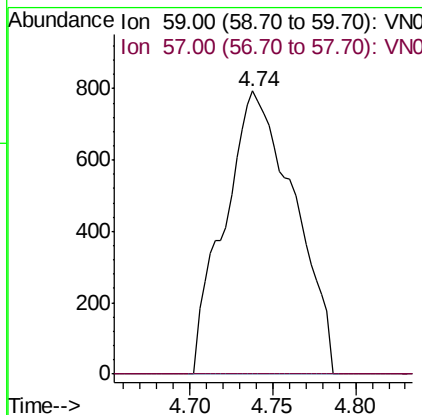
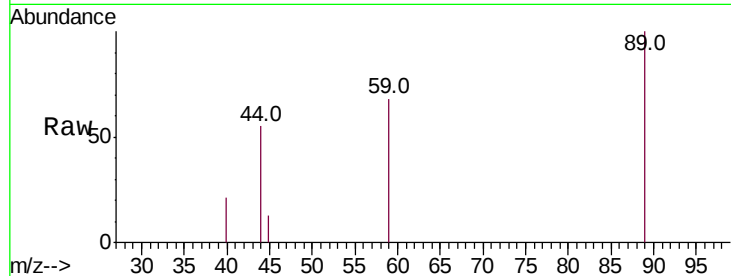


#11

Tert butyl alcohol  
 Concen: 3.930 ug/l  
 RT: 4.74 min Scan# 922  
 Delta R.T. -0.07 min  
 Lab File: VN056038.D  
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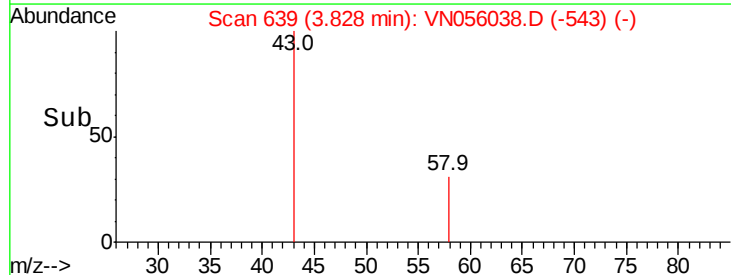
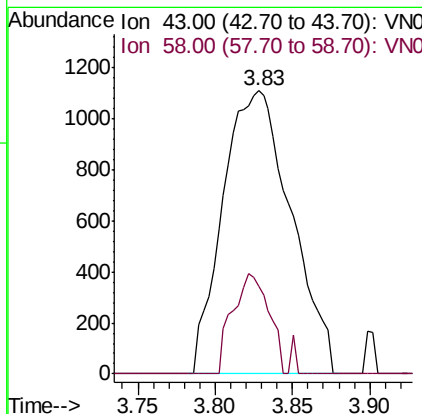
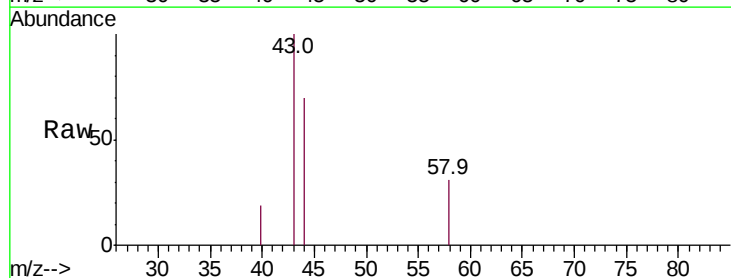
Tot Ion: 59 Resp: 2323  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.8 11.6#

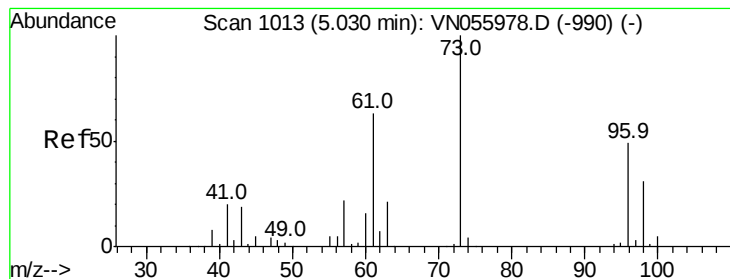


#16

Acetone  
 Concen: 2.092 ug/l  
 RT: 3.83 min Scan# 639  
 Delta R.T. 0.01 min  
 Lab File: VN056038.D  
 Acq: 6 Jun 2019 11:59

Tgt Ion: 43 Resp: 3398  
 Ion Ratio Lower Upper  
 43 100  
 58 31.0 26.6 39.8





#21

trans-1,2-Dichloroethene

Concen: 1.088 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056038.D

Acq: 6 Jun 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

LF014RW133-190603

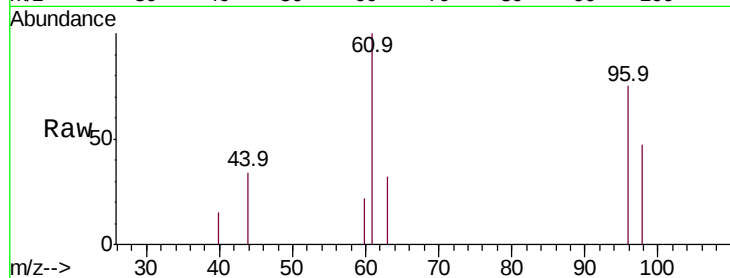
Tot Ion: 96 Resp: 3349

Ion Ratio Lower Upper

96 100

61 132.7 107.8 161.8

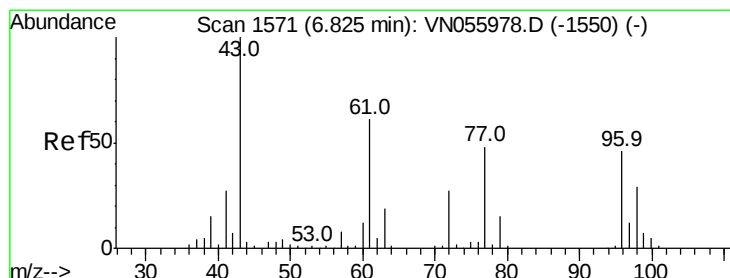
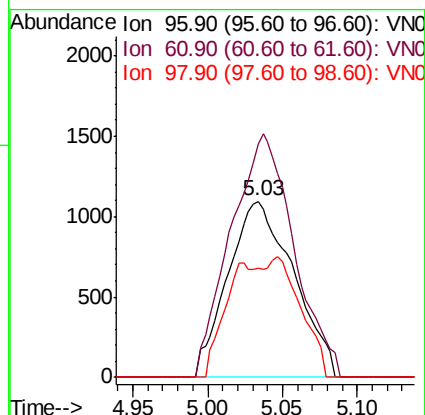
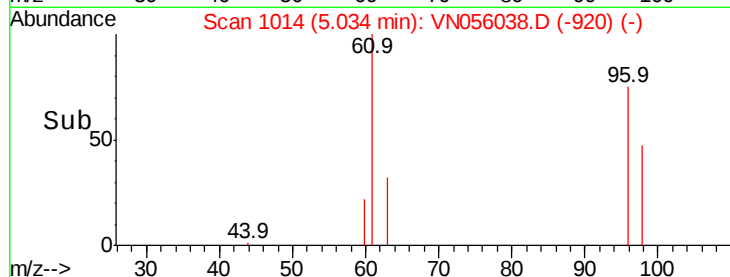
98 62.2 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 16.981 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056038.D

Acq: 6 Jun 2019 11:59

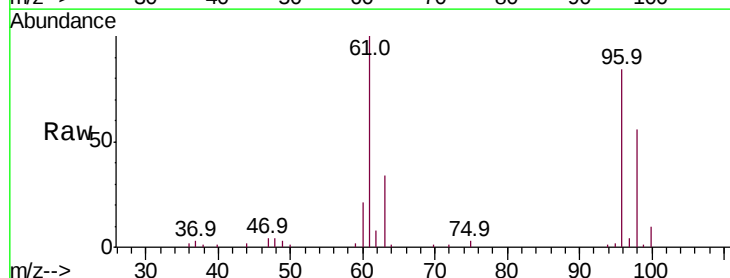
Tgt Ion: 96 Resp: 61423

Ion Ratio Lower Upper

96 100

61 121.5 0.0 275.8

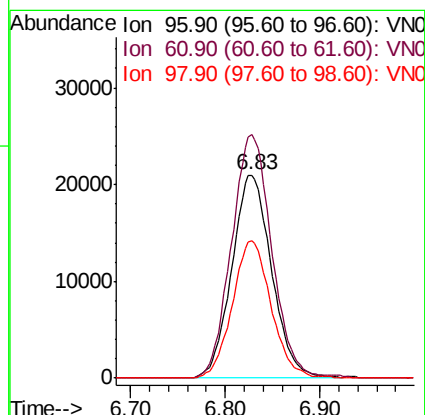
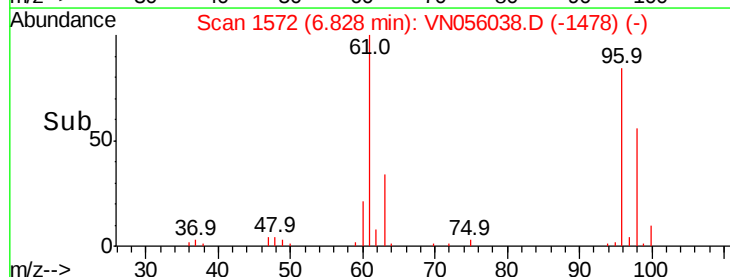
98 65.9 0.0 128.4

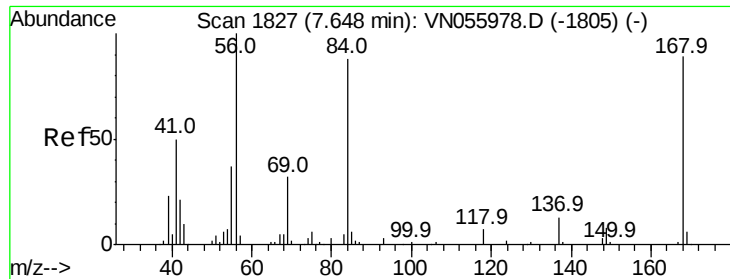


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

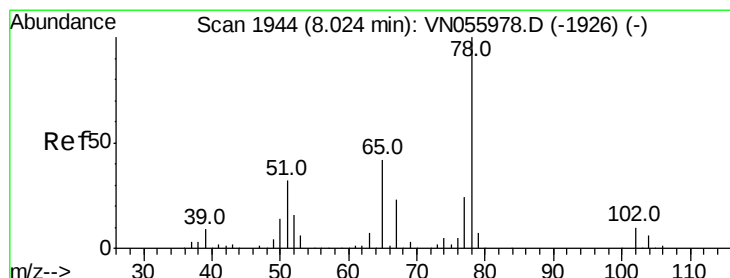
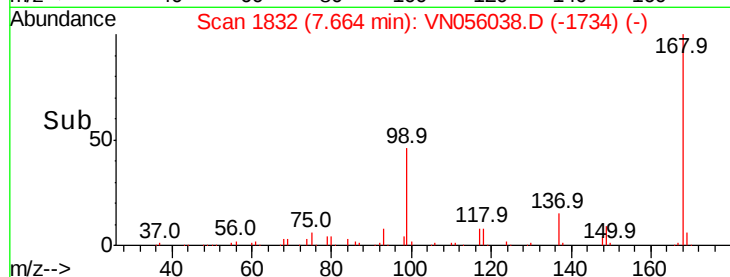
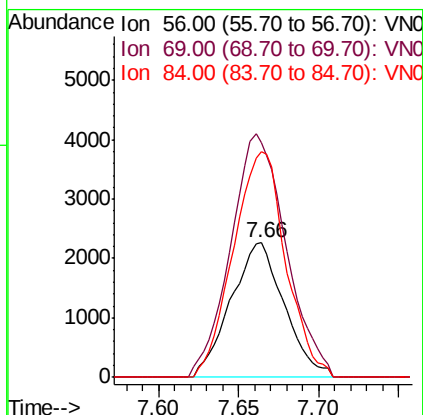
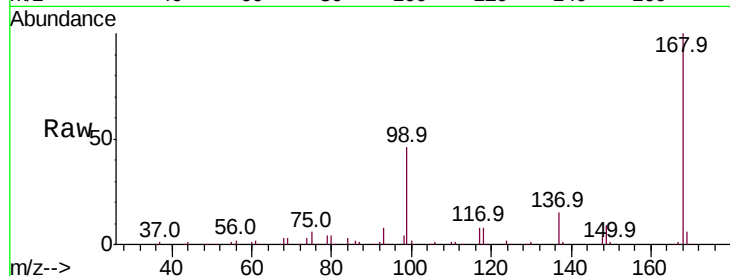




#31  
 Cyclohexane  
 Concen: 0.960 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. 0.02 min  
 Lab File: VN056038.D  
 Acq: 6 Jun 2019 11:59

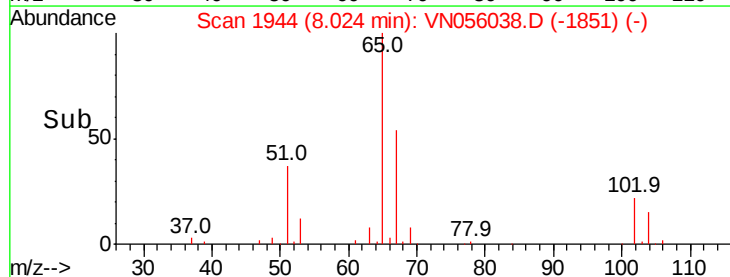
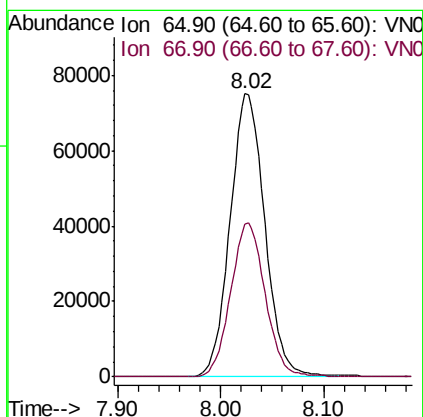
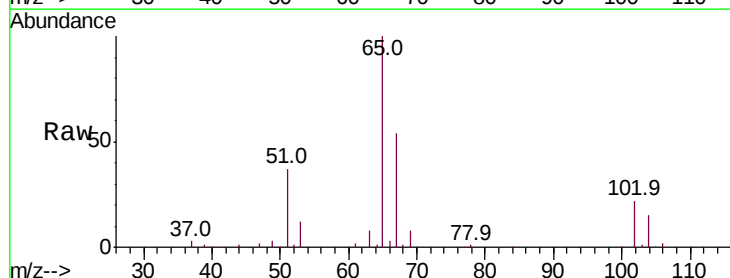
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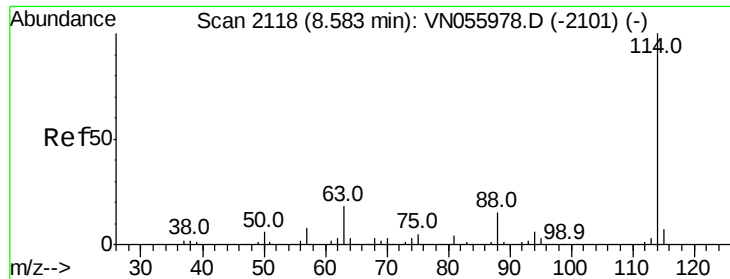
Tot Ion: 56 Resp: 5176  
 Ion Ratio Lower Upper  
 56 100  
 69 174.4 25.6 38.4#  
 84 167.4 67.4 101.0#



#33  
 1,2-Dichloroethane-d4  
 Concen: 51.894 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN056038.D  
 Acq: 6 Jun 2019 11:59

Tgt Ion: 65 Resp: 176276  
 Ion Ratio Lower Upper  
 65 100  
 67 54.1 0.0 109.2

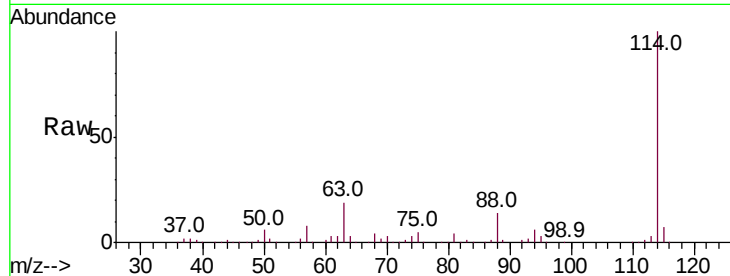




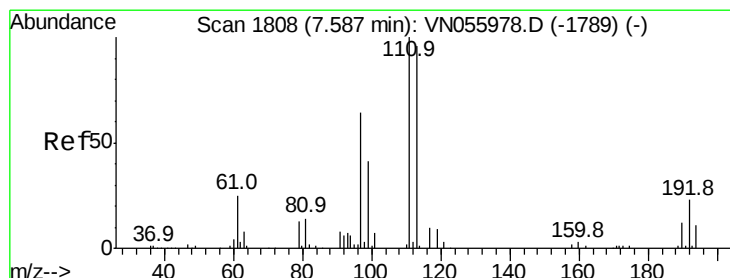
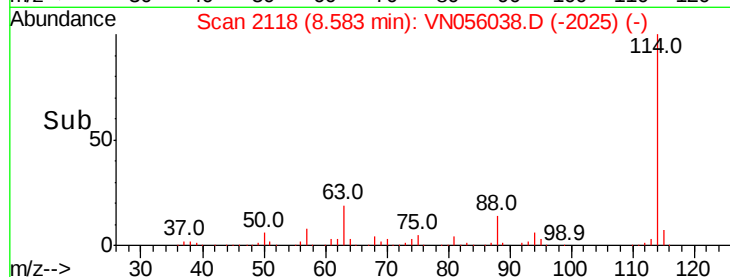
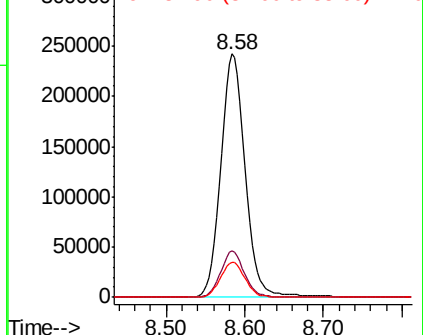
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.58 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LF014RW133-190603

Tot Ion:114 Resp: 516449  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 39.2  
88 14.5 0.0 31.0

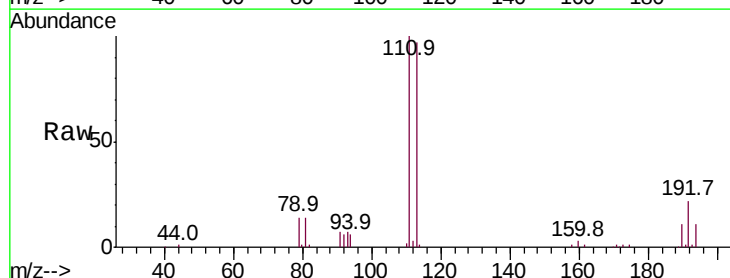


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

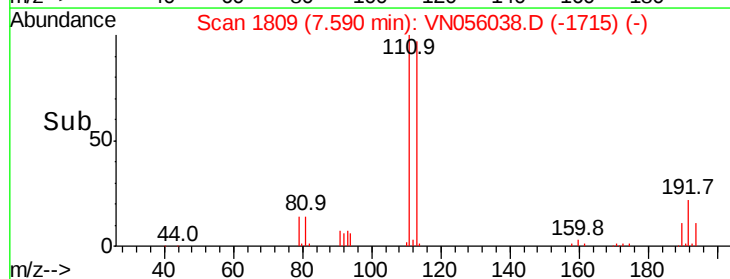
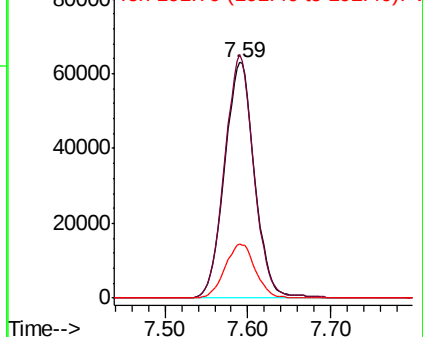


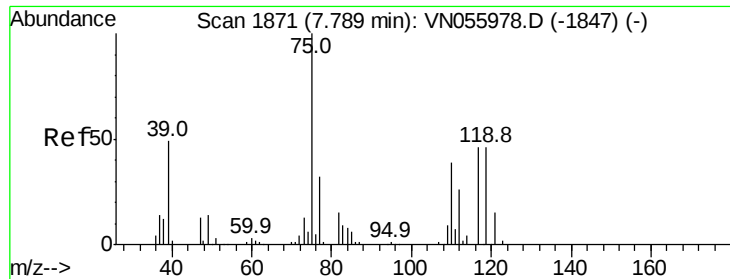
#35  
Dibromofluoromethane  
Concen: 49.960 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

Tgt Ion:113 Resp: 158304  
Ion Ratio Lower Upper  
113 100  
111 101.1 81.9 122.9  
192 23.2 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

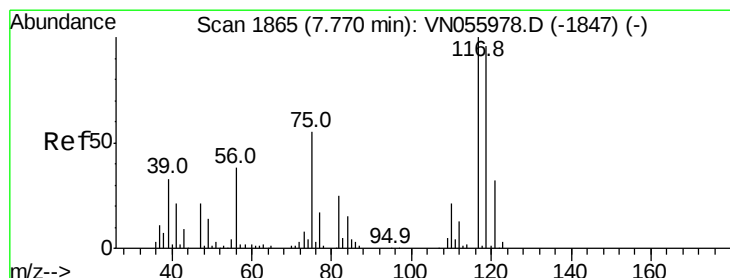
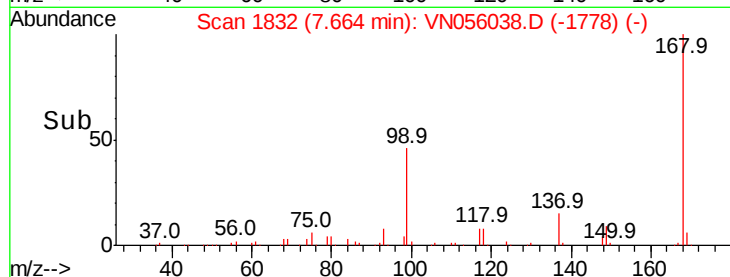
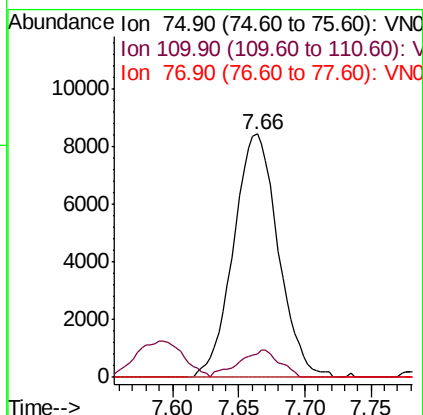
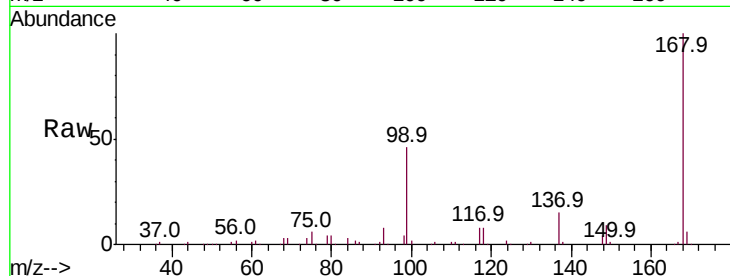




#36  
 1,1-Dichloropropene  
 Concen: 4.469 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN056038.D  
 Acq: 6 Jun 2019 11:59

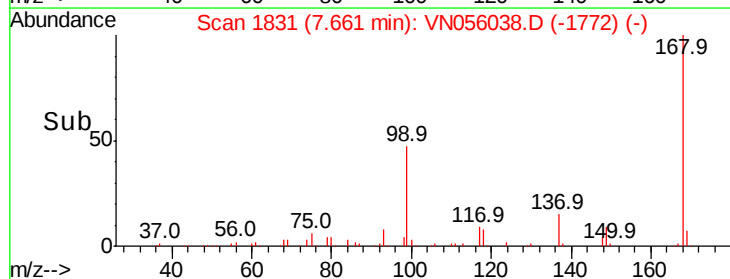
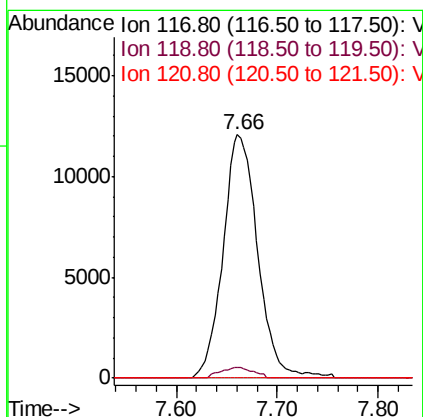
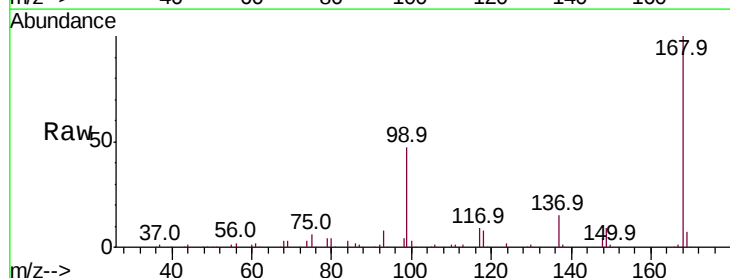
Instrument :  
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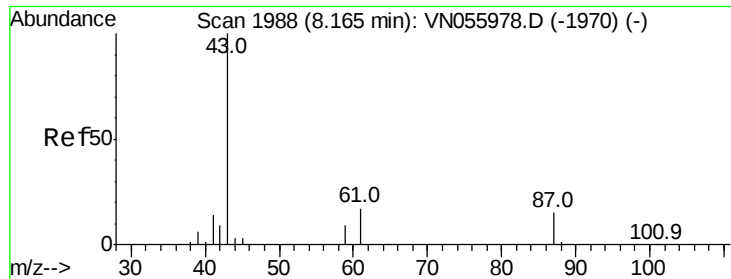
Tot Ion: 75 Resp: 19847  
 Ion Ratio Lower Upper  
 75 100  
 110 10.2 19.0 57.0#  
 77 0.0 25.1 37.7#



#38  
 Carbon Tetrachloride  
 Concen: 7.069 ug/l  
 RT: 7.66 min Scan# 1831  
 Delta R.T. -0.11 min  
 Lab File: VN056038.D  
 Acq: 6 Jun 2019 11:59

Tgt Ion: 117 Resp: 28942  
 Ion Ratio Lower Upper  
 117 100  
 119 4.6 79.0 118.6#  
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 0.355 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN056038.D

Acq: 6 Jun 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

LF014RW133-190603

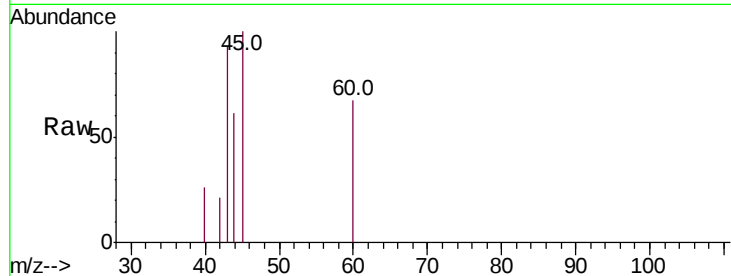
Tot Ion: 43 Resp: 2275

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

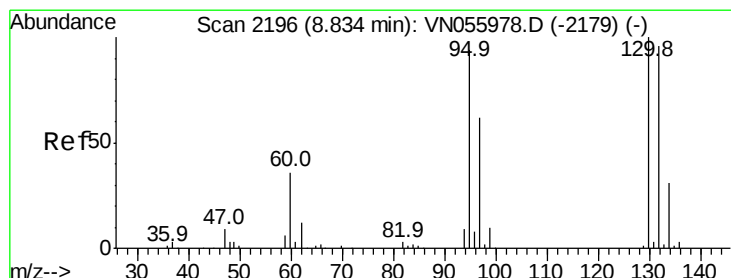
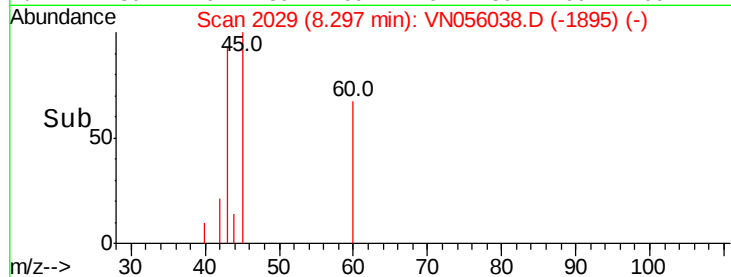
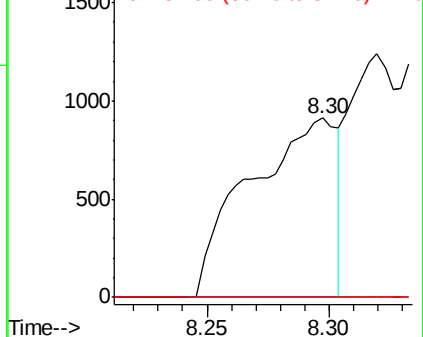
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 1.073 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056038.D

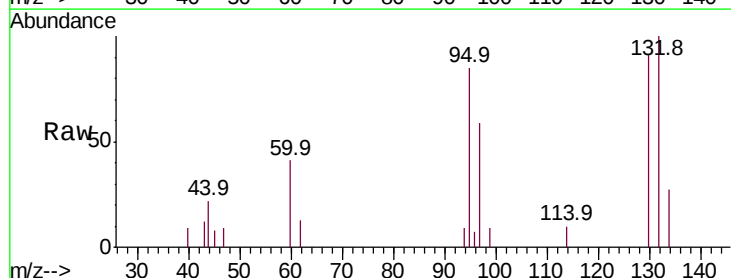
Acq: 6 Jun 2019 11:59

Tgt Ion: 130 Resp: 4159

Ion Ratio Lower Upper

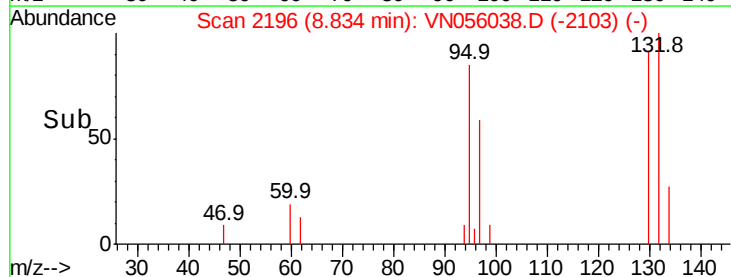
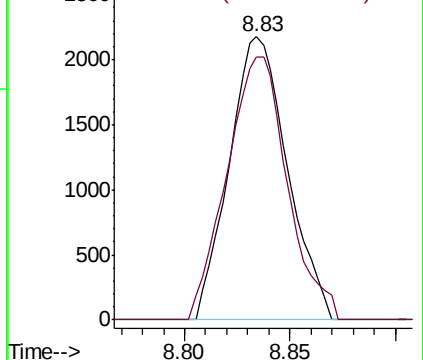
130 100

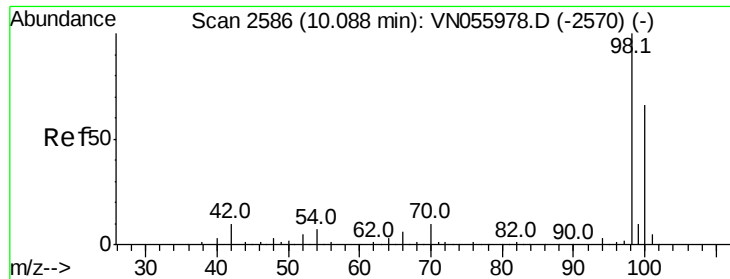
95 92.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 53.087 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056038.D

Acq: 6 Jun 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

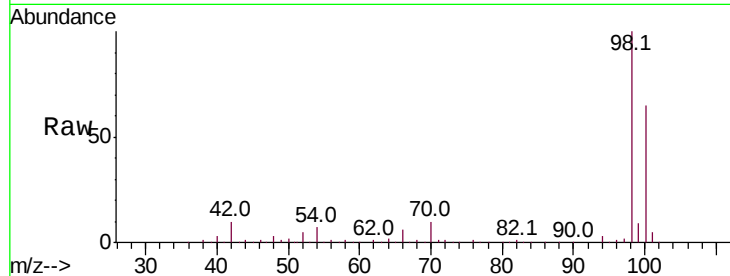
LF014RW133-190603

Tot Ion: 98 Resp: 647274

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

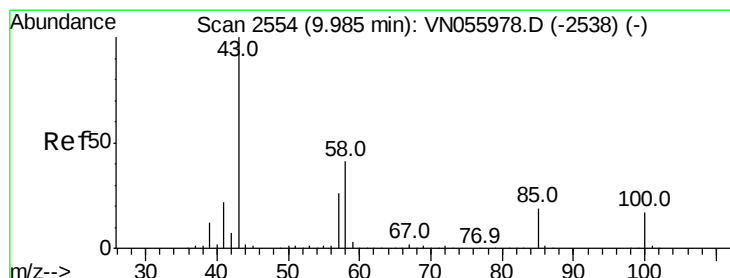
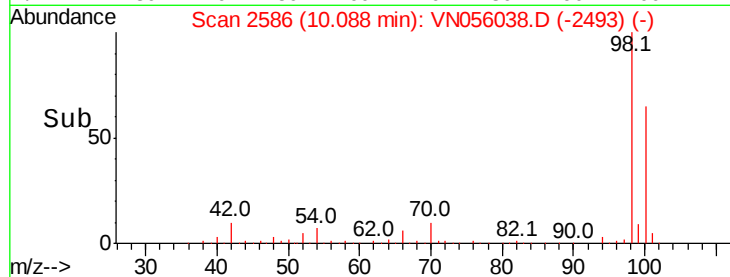
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.269 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056038.D

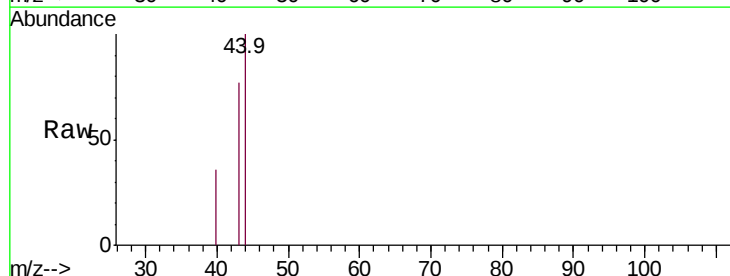
Acq: 6 Jun 2019 11:59

Tgt Ion: 43 Resp: 1078

Ion Ratio Lower Upper

43 100

58 0.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500

400

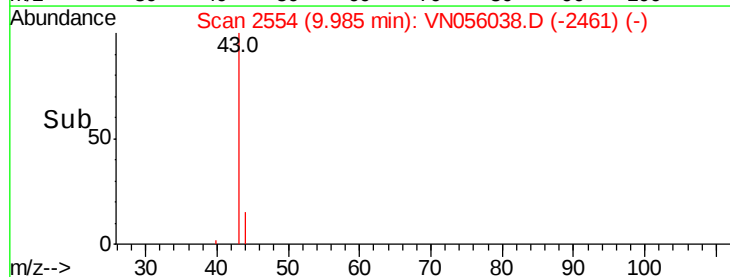
300

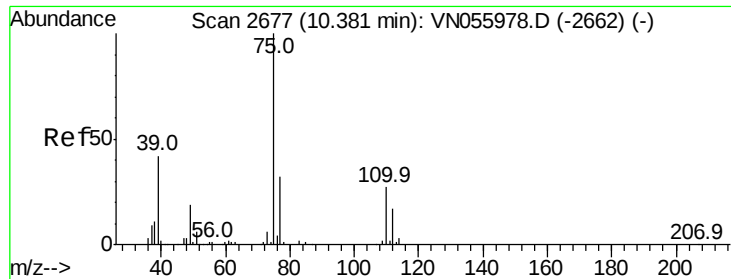
200

100

0

Time-->

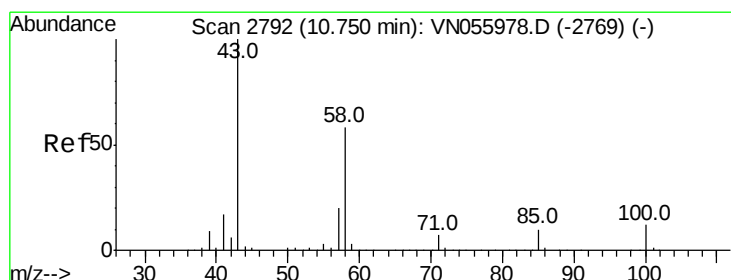
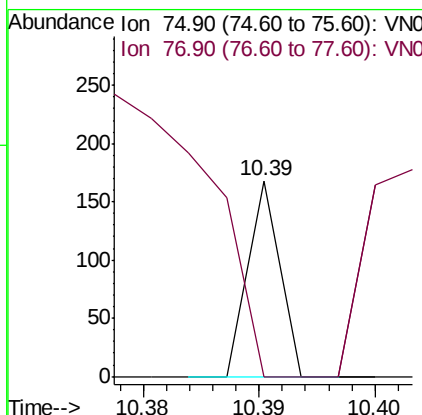
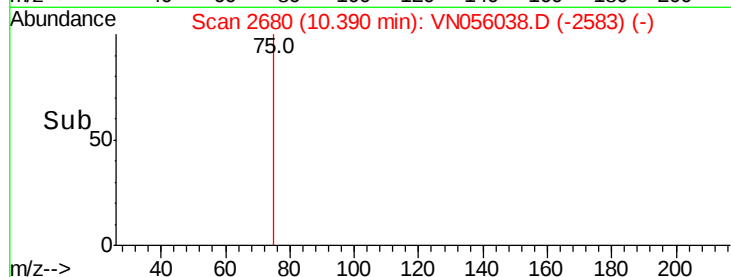
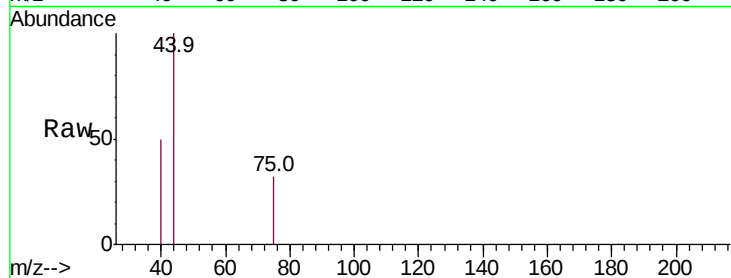




#53  
t-1,3-Dichloropropene  
Concen: 2.404 ug/l  
RT: 10.39 min Scan# 2680  
Delta R.T. 0.01 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

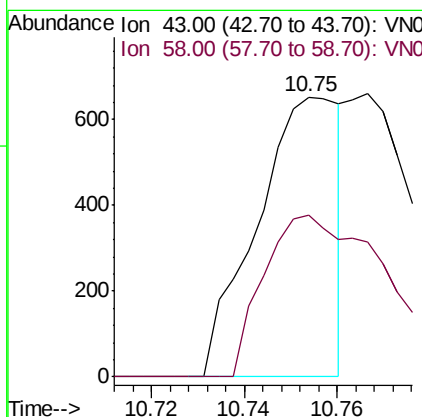
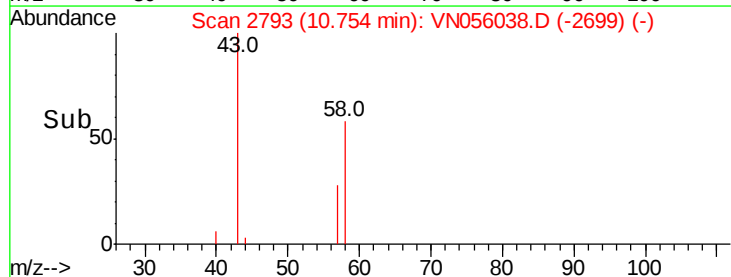
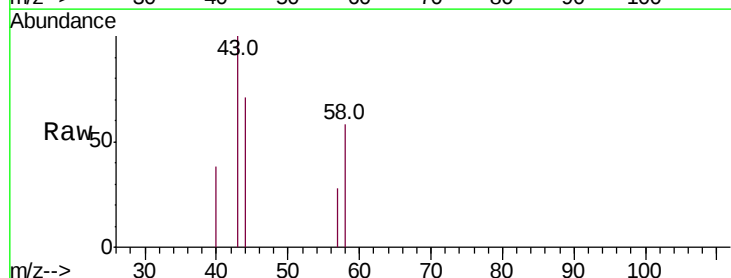
Instrument :  
MSVOA\_N  
ClientSampleId :  
LF014RW133-190603

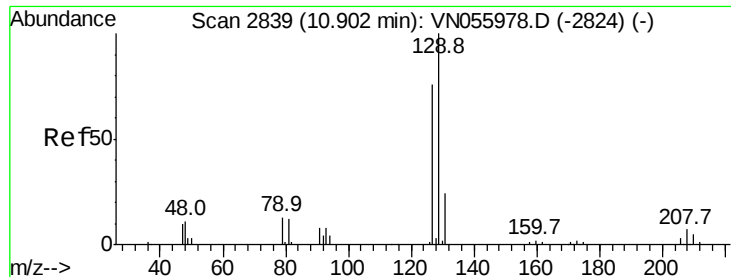
Tot Ion: 75 Resp: 32  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.8 38.6#



#59  
2-Hexanone  
Concen: 0.278 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

Tgt Ion: 43 Resp: 807  
Ion Ratio Lower Upper  
43 100  
58 80.8 28.2 84.7

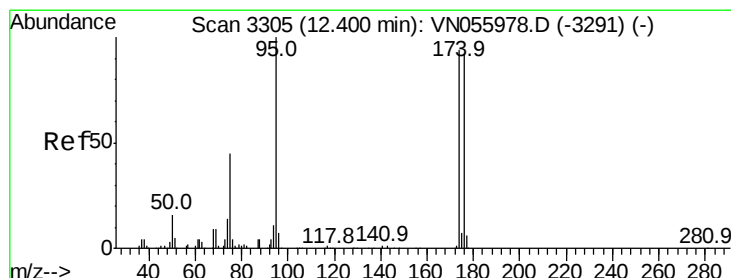
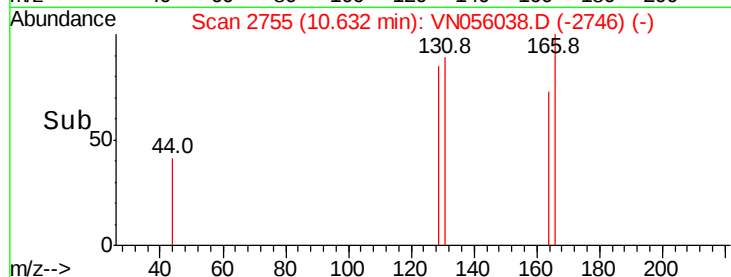
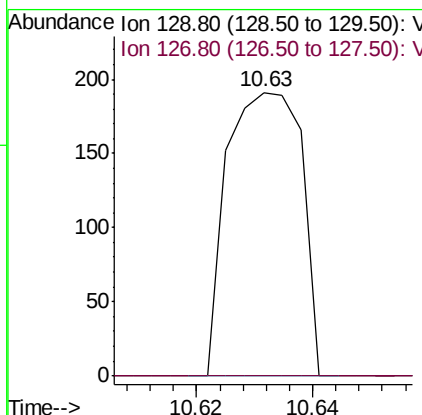
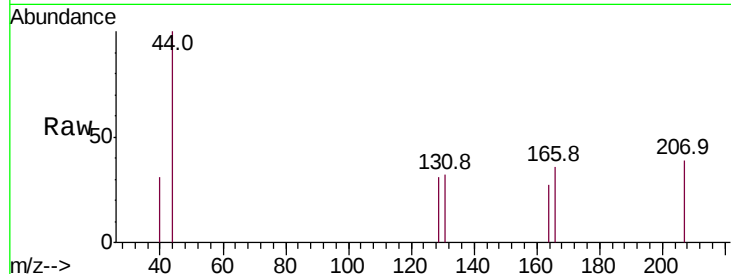




#60  
Dibromochloromethane  
Concen: 2.496 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.27 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

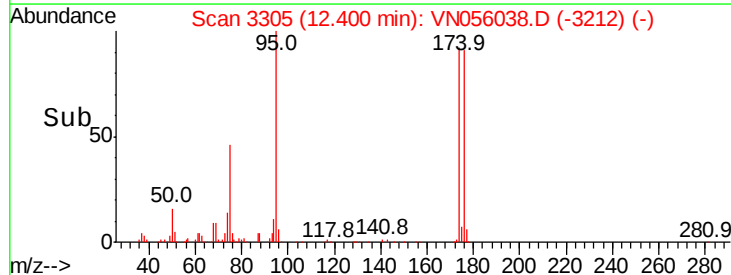
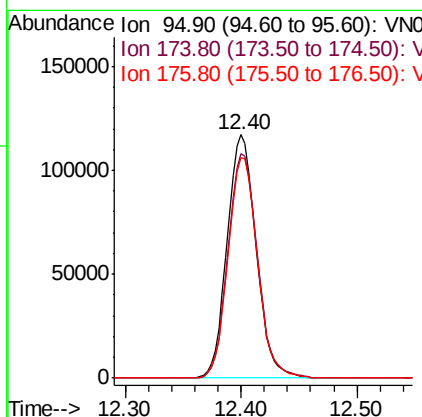
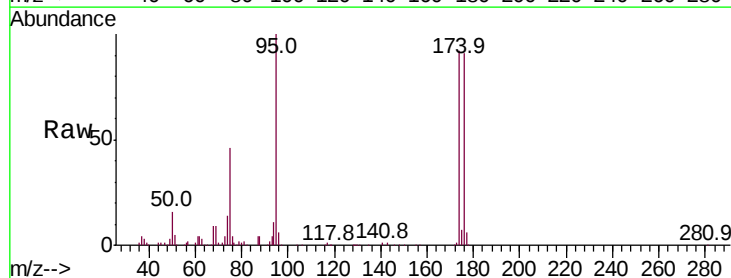
Instrument :  
MSVOA\_N  
ClientSampleId :  
LF014RW133-190603

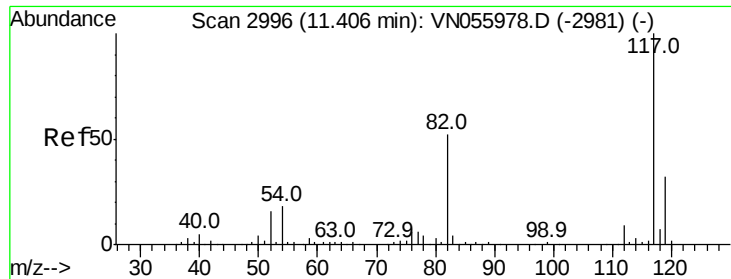
Tot Ion:129 Resp: 170  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.1 114.3#



#62  
4-Bromofluorobenzene  
Concen: 48.715 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

Tgt Ion: 95 Resp: 201996  
Ion Ratio Lower Upper  
95 100  
174 93.9 0.0 191.0  
176 91.6 0.0 185.2

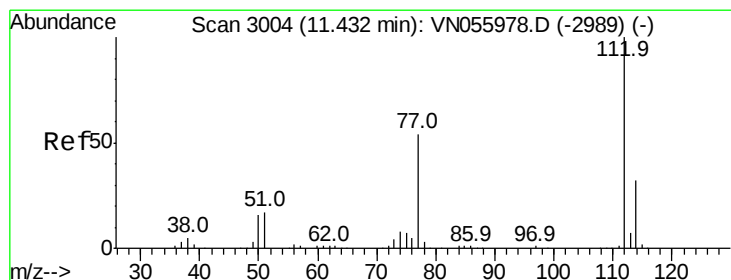
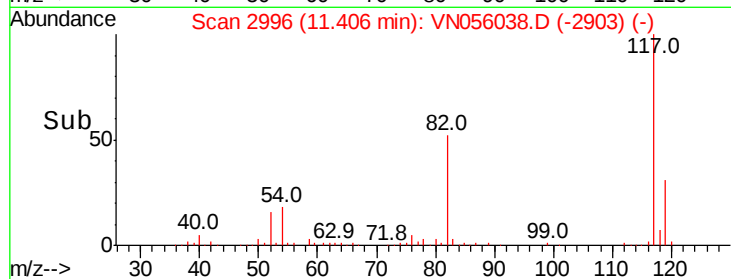
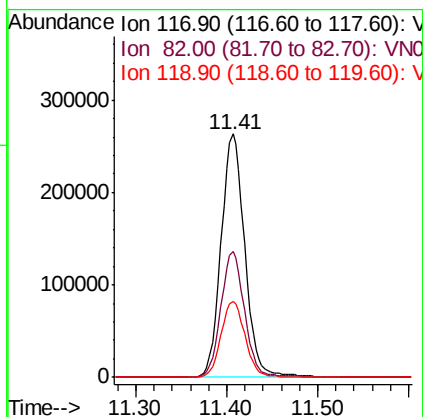
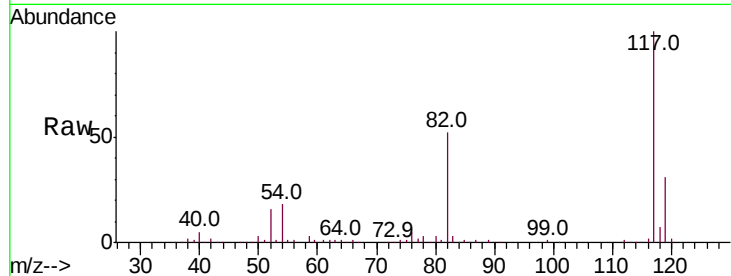




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

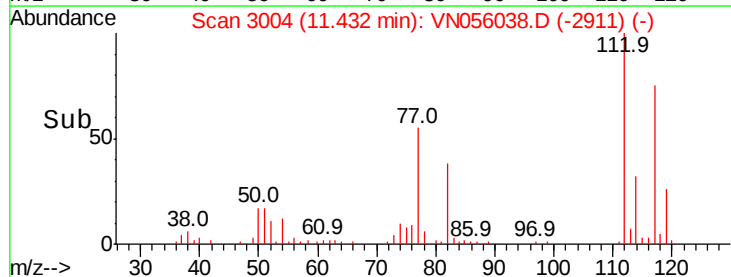
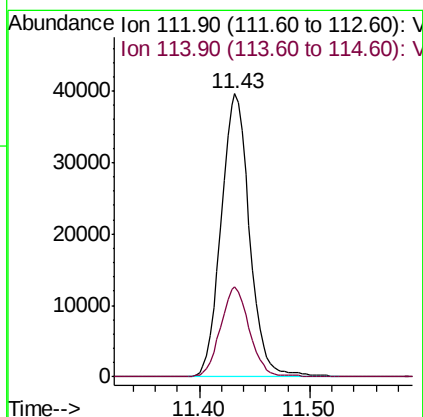
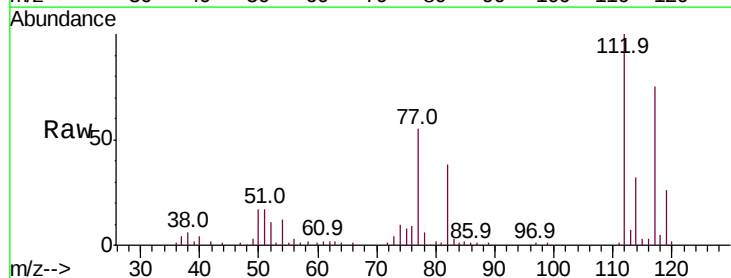
Instrument :  
MSVOA\_N  
ClientSampleId :  
LF014RW133-190603

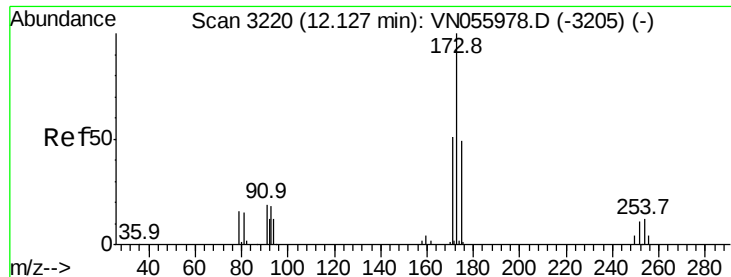
Tot Ion:117 Resp: 476973  
Ion Ratio Lower Upper  
117 100  
82 51.7 41.8 62.8  
119 31.4 25.4 38.0



#65  
Chlorobenzene  
Concen: 7.473 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

Tgt Ion:112 Resp: 70939  
Ion Ratio Lower Upper  
112 100  
114 31.7 26.2 39.4

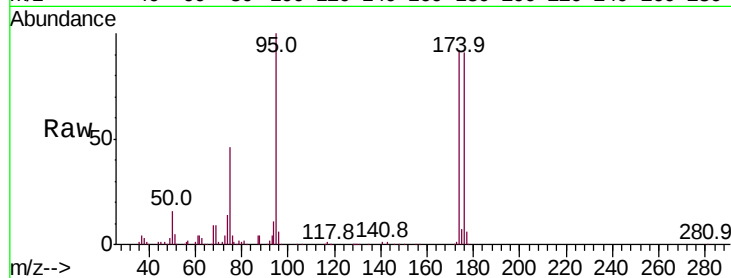




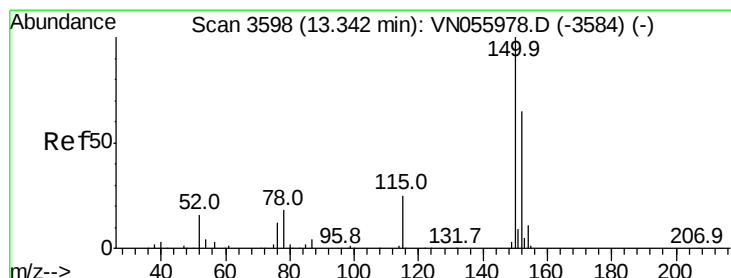
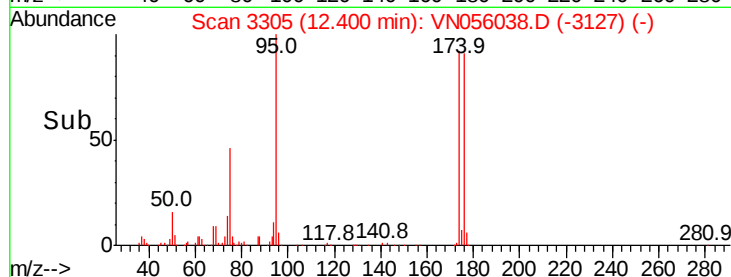
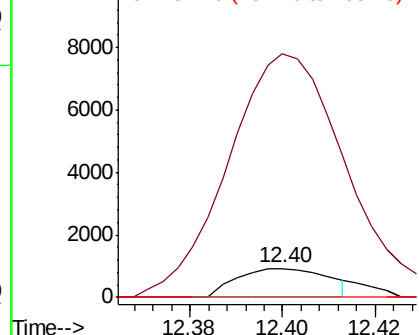
#71  
Bromoform  
Concen: 3.177 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LF014RW133-190603

Tot Ion:173 Resp: 1266  
Ion Ratio Lower Upper  
173 100  
175 940.4 24.3 72.8#  
254 0.0 0.0 0.0

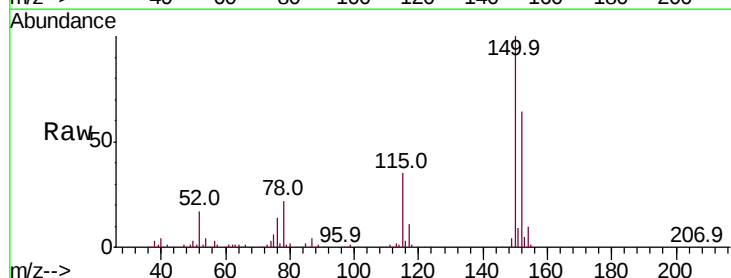


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

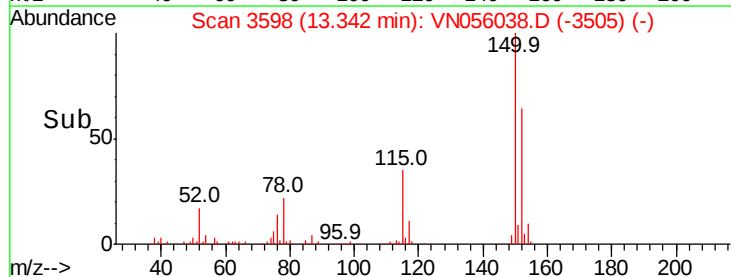
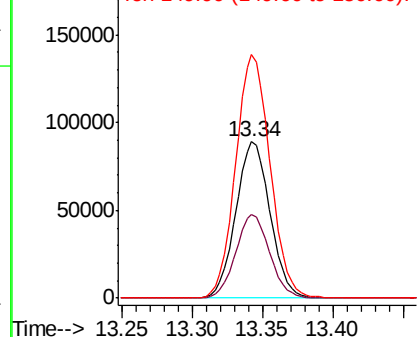


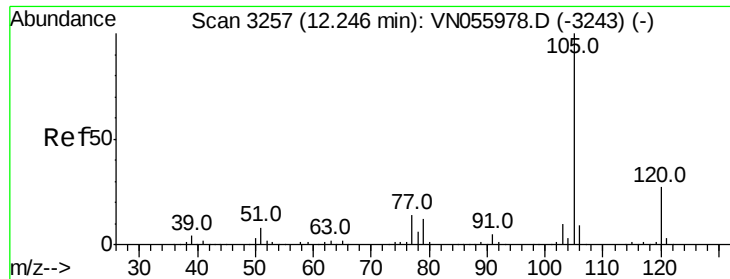
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

Tgt Ion:152 Resp: 151566  
Ion Ratio Lower Upper  
152 100  
115 52.9 27.0 81.0  
150 156.8 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: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056038.D

Acq: 6 Jun 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

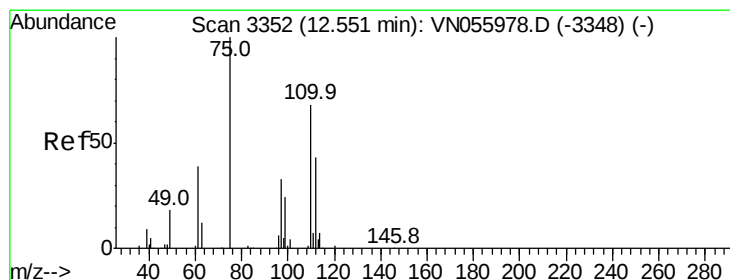
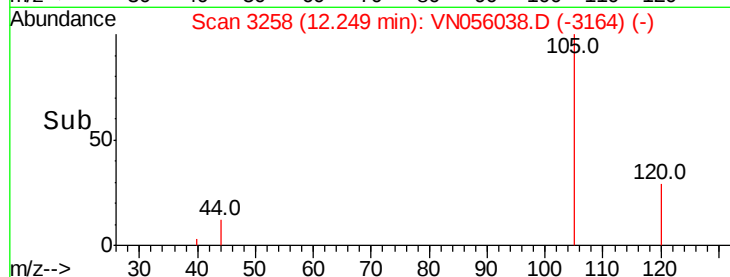
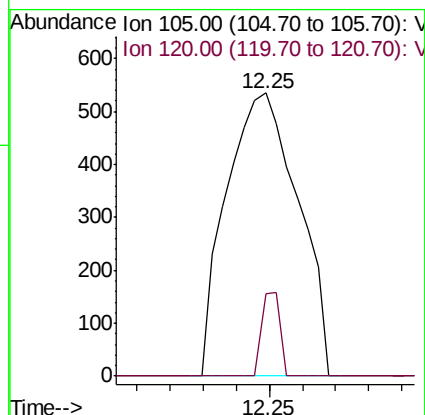
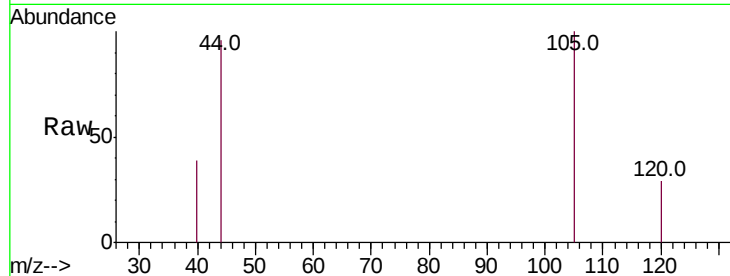
LF014RW133-190603

Tot Ion:105 Resp: 805

Ion Ratio Lower Upper

105 100

120 7.5 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 33.133 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056038.D

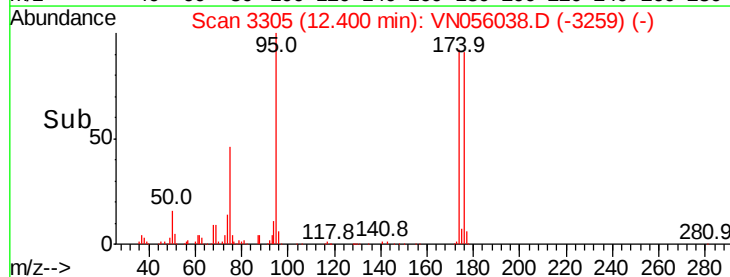
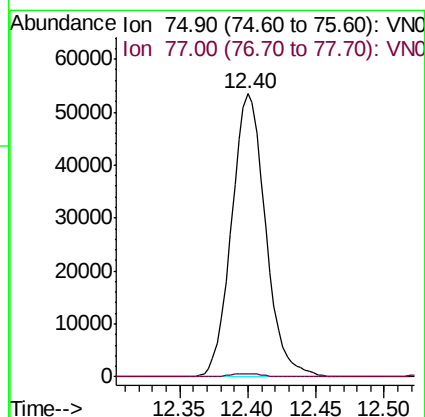
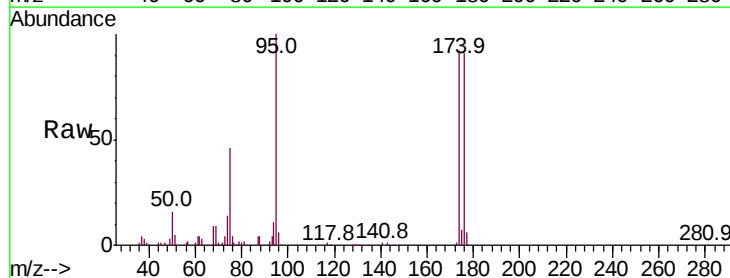
Acq: 6 Jun 2019 11:59

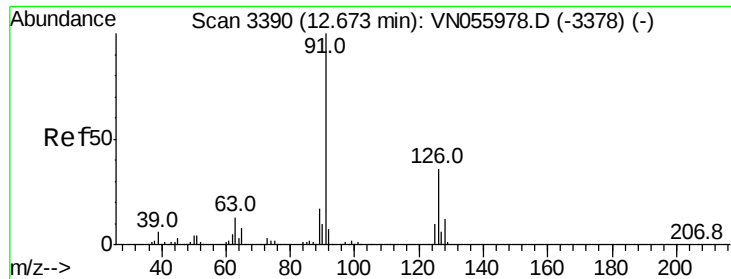
Tgt Ion: 75 Resp: 92403

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

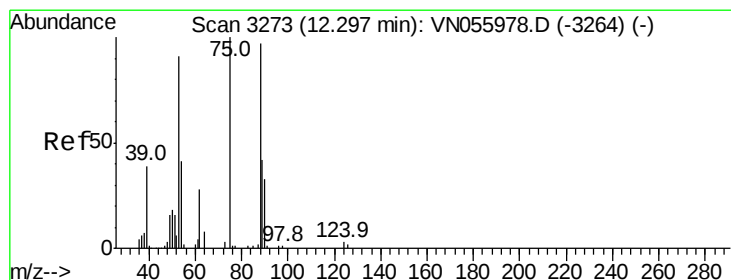
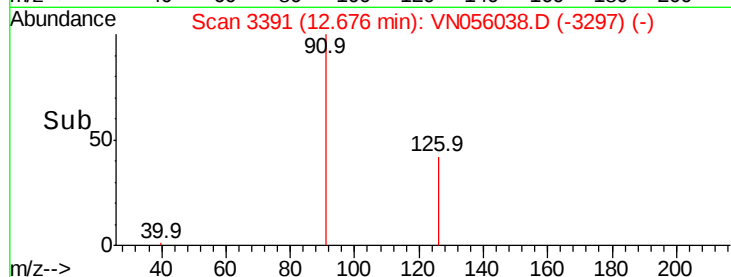
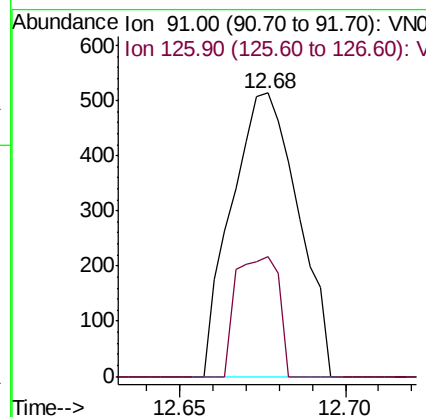
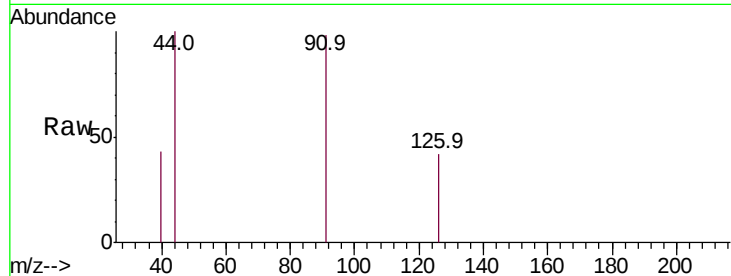




#79  
2-Chlorotoluene  
Concen: Below Cal  
RT: 12.68 min Scan# 3391  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

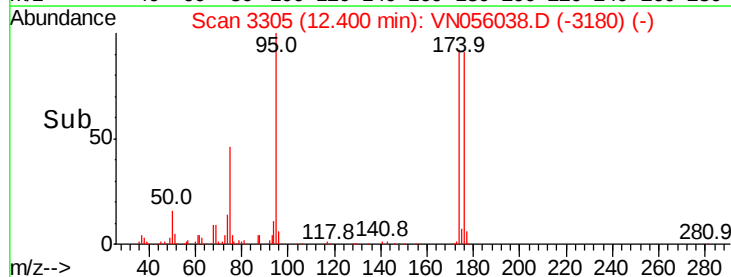
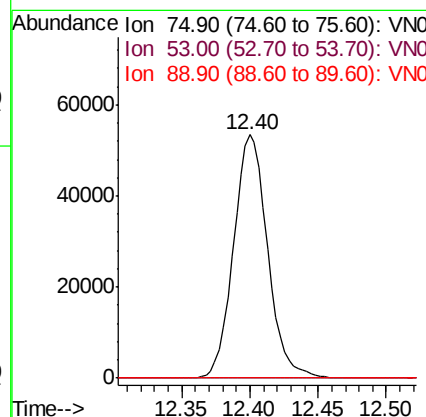
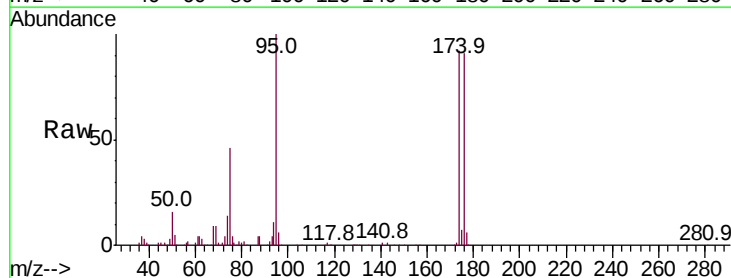
Instrument :  
MSVOA\_N  
ClientSampleId :  
LF014RW133-190603

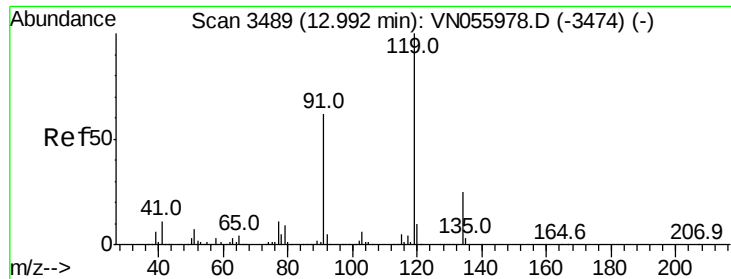
Tot Ion: 91 Resp: 718  
Ion Ratio Lower Upper  
91 100  
126 27.2 18.1 54.4



#81  
trans-1,4-Dichloro-2-butene  
Concen: 110.338 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.10 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

Tgt Ion: 75 Resp: 92403  
Ion Ratio Lower Upper  
75 100  
53 0.0 68.1 102.1#  
89 0.0 36.9 55.3#

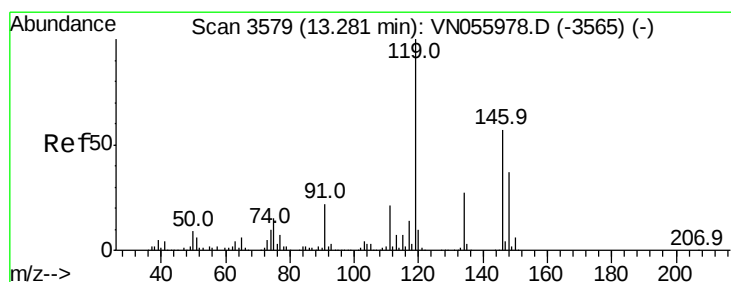
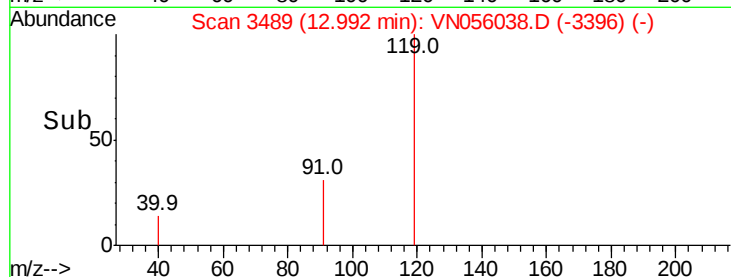
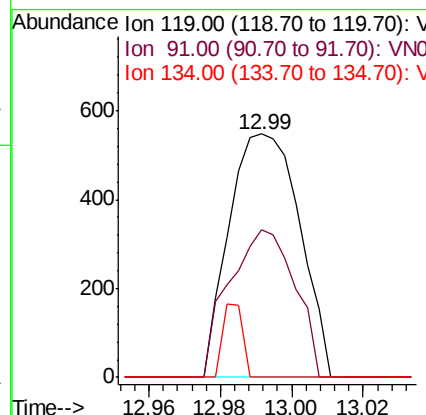
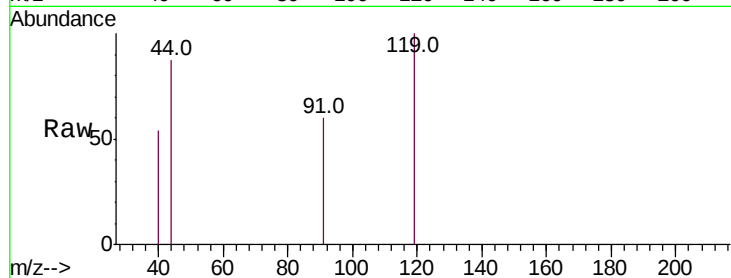




#83  
tert-Butylbenzene  
Concen: Below Cal  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

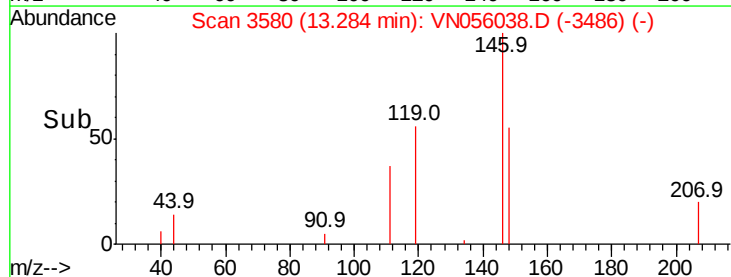
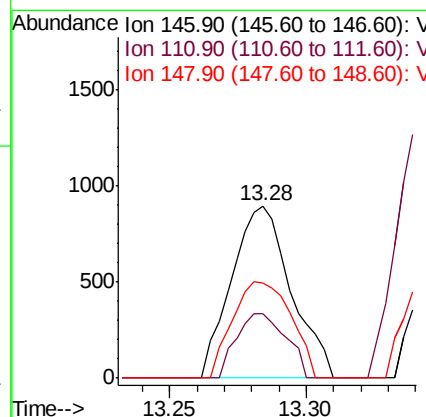
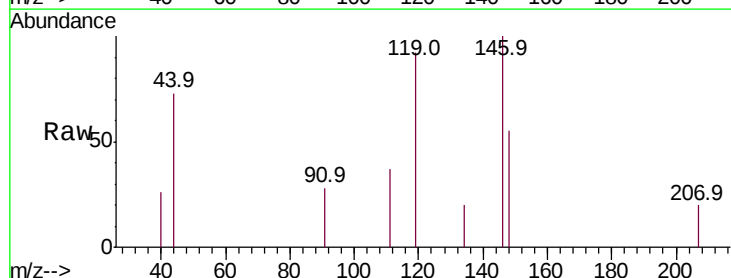
Instrument :  
MSVOA\_N  
ClientSampleId :  
LF014RW133-190603

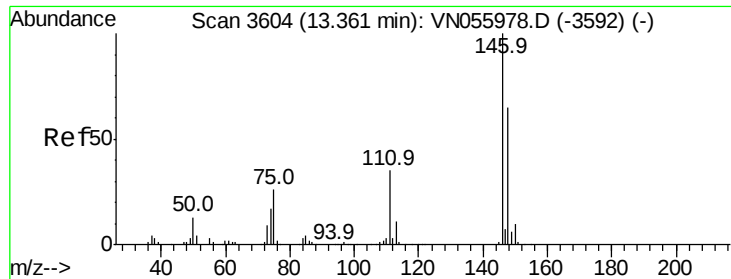
Tot Ion:119 Resp: 750  
Ion Ratio Lower Upper  
119 100  
91 56.4 30.9 92.8  
134 8.4 13.3 39.8#



#87  
1,3-Dichlorobenzene  
Concen: 0.269 ug/l  
RT: 13.28 min Scan# 3580  
Delta R.T. 0.00 min  
Lab File: VN056038.D  
Acq: 6 Jun 2019 11:59

Tgt Ion:146 Resp: 1350  
Ion Ratio Lower Upper  
146 100  
111 31.3 18.5 55.5  
148 55.0 32.0 96.2

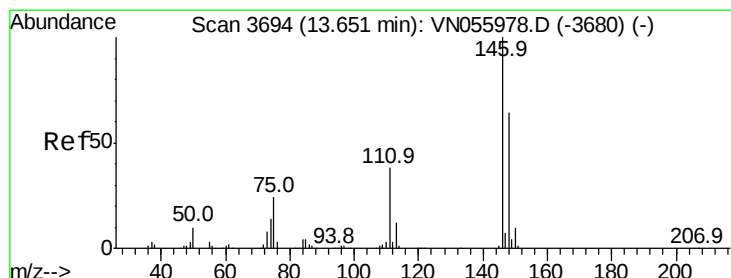
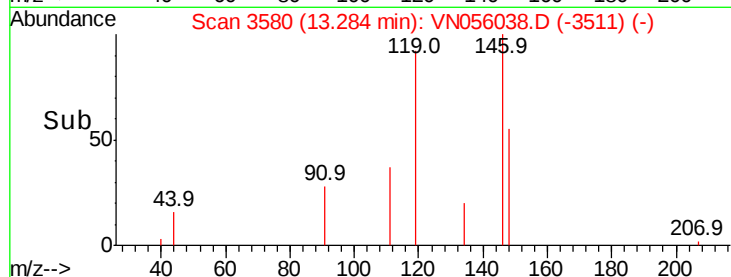
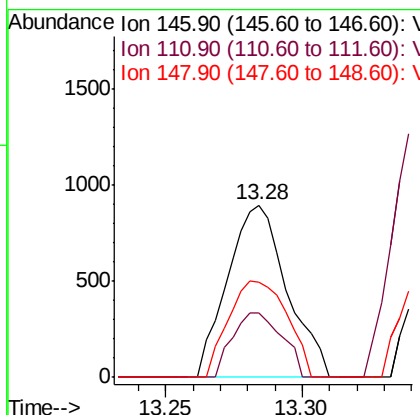
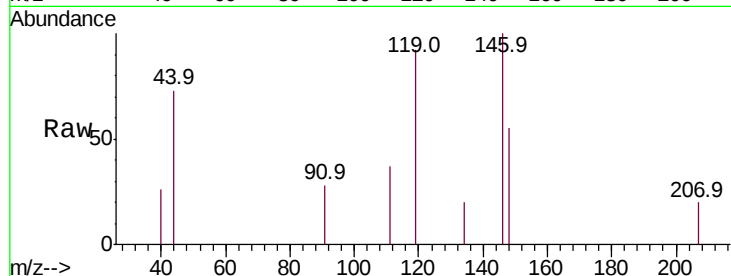




#88  
 1,4-Dichlorobenzene  
 Concen: 0.279 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.08 min  
 Lab File: VN056038.D  
 Acq: 6 Jun 2019 11:59

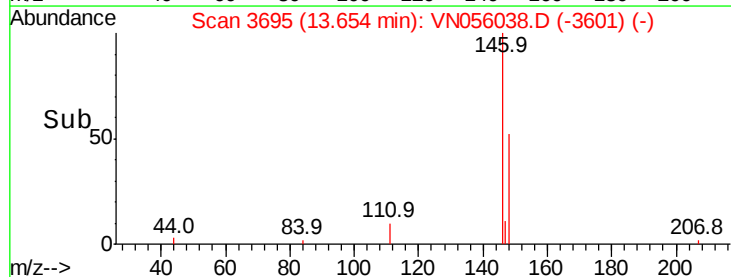
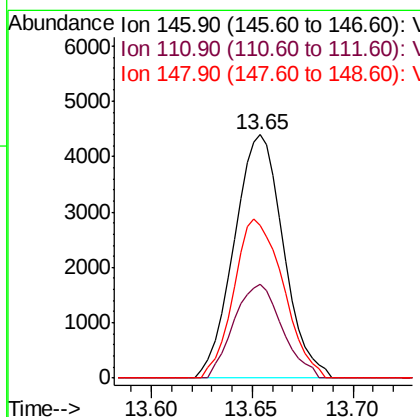
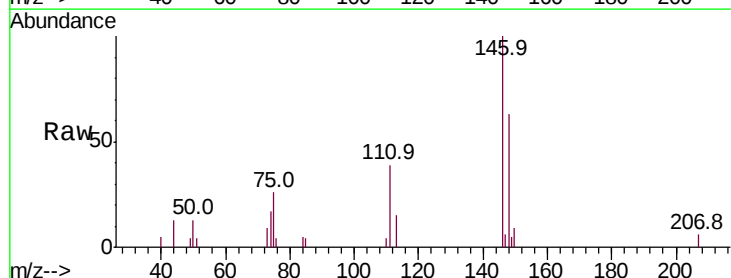
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LF014RW133-190603

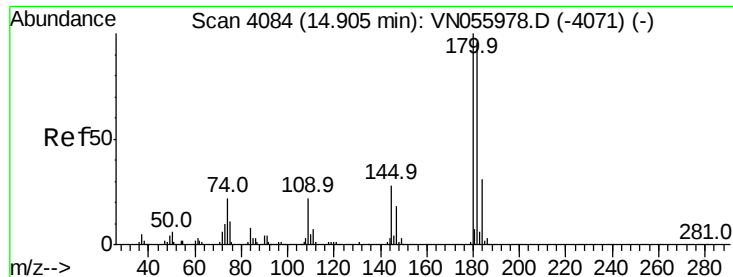
Tot Ion:146 Resp: 1350  
 Ion Ratio Lower Upper  
 146 100  
 111 31.3 18.1 54.4  
 148 55.0 32.1 96.5



#91  
 1,2-Dichlorobenzene  
 Concen: 1.480 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN056038.D  
 Acq: 6 Jun 2019 11:59

Tgt Ion:146 Resp: 7506  
 Ion Ratio Lower Upper  
 146 100  
 111 37.8 19.1 57.5  
 148 65.8 31.9 95.9

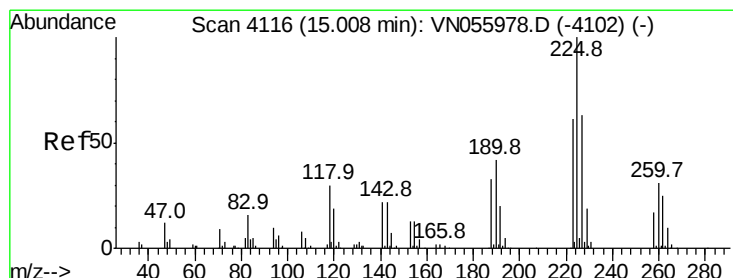
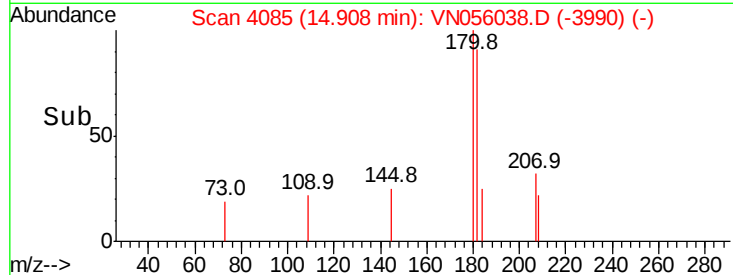
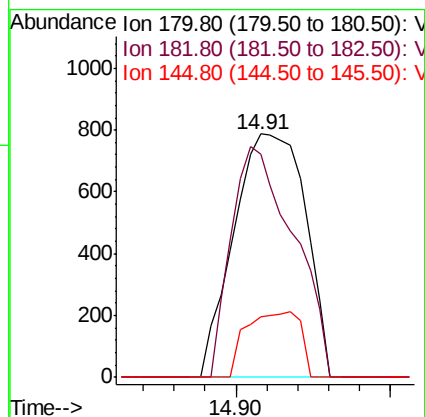
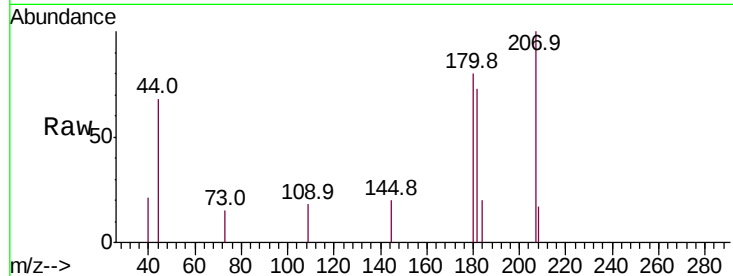




#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.684 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN056038.D  
 Acq: 6 Jun 2019 11:59

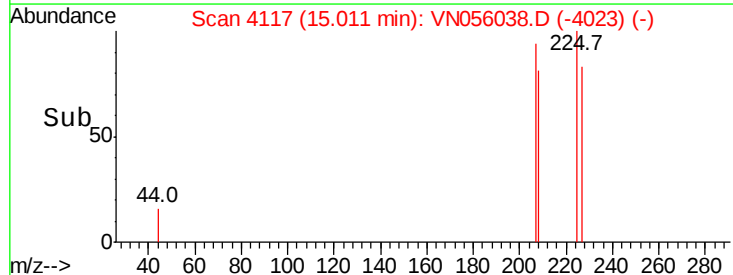
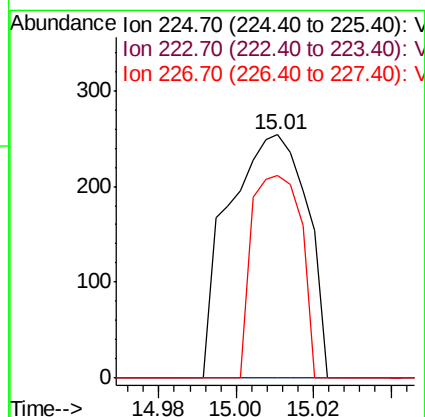
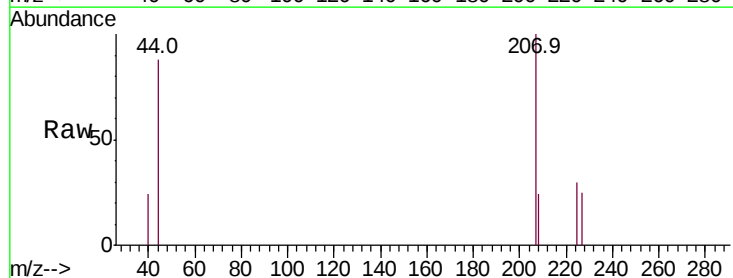
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LF014RW133-190603

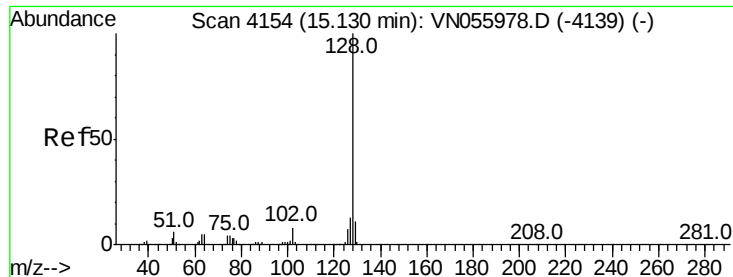
Tot Ion:180 Resp: 1265  
 Ion Ratio Lower Upper  
 180 100  
 182 82.8 48.3 144.9  
 145 20.2 14.0 41.9



#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN056038.D  
 Acq: 6 Jun 2019 11:59

Tgt Ion:225 Resp: 358  
 Ion Ratio Lower Upper  
 225 100  
 223 0.0 30.9 92.7#  
 227 52.2 31.6 94.7





#95

Naphthalene

Concen: 4.331 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056038.D

Acq: 6 Jun 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

LF014RW133-190603

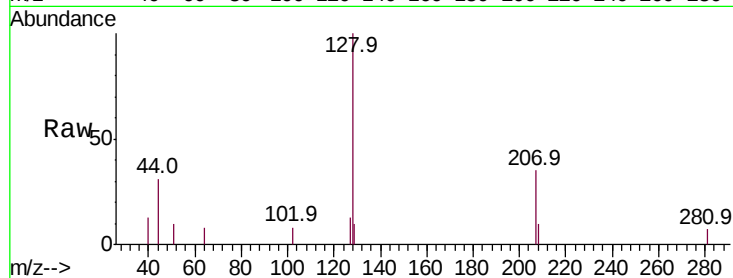
Tot Ion:128 Resp: 3770

Ion Ratio Lower Upper

128 100

127 9.2 10.3 15.5#

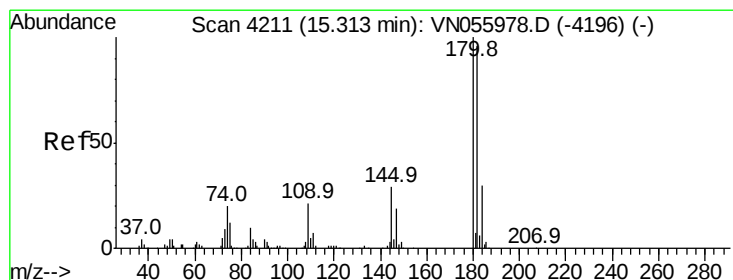
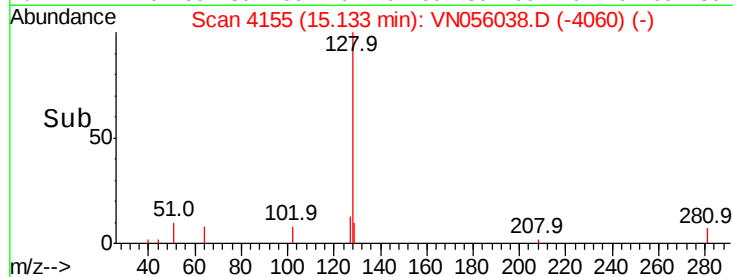
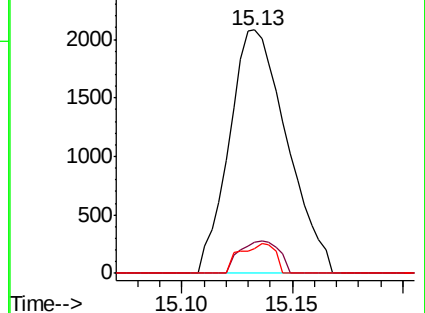
129 7.5 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.517 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056038.D

Acq: 6 Jun 2019 11:59

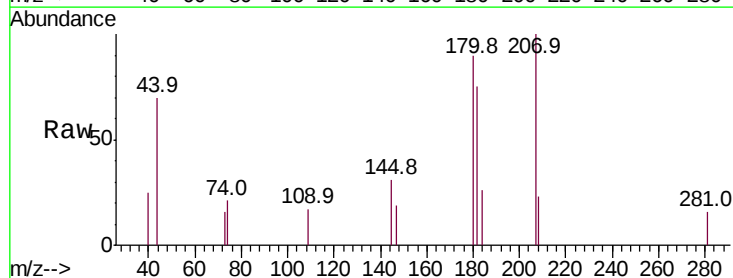
Tgt Ion:180 Resp: 1474

Ion Ratio Lower Upper

180 100

182 100.0 47.9 143.7

145 22.7 14.9 44.7



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

