

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN081119\  
 Data File : VN057184.D  
 Acq On : 11 Aug 2019 13:51  
 Operator : JC/SP  
 Sample : K4227-25  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 1S-J(1)

Quant Time: Aug 12 05:54:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 1349761  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.01  | 114  | 1880630  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.91 | 117  | 1572232  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.88 | 152  | 412016   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.44  | 65   | 627174   | 45.18 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.36% |          |
| 35) Dibromofluoromethane    | 6.99  | 113  | 566280   | 47.98 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.96% |          |
| 50) Toluene-d8              | 9.56  | 98   | 2198131  | 48.69 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.38% |          |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 589429   | 40.52 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 81.04% |          |

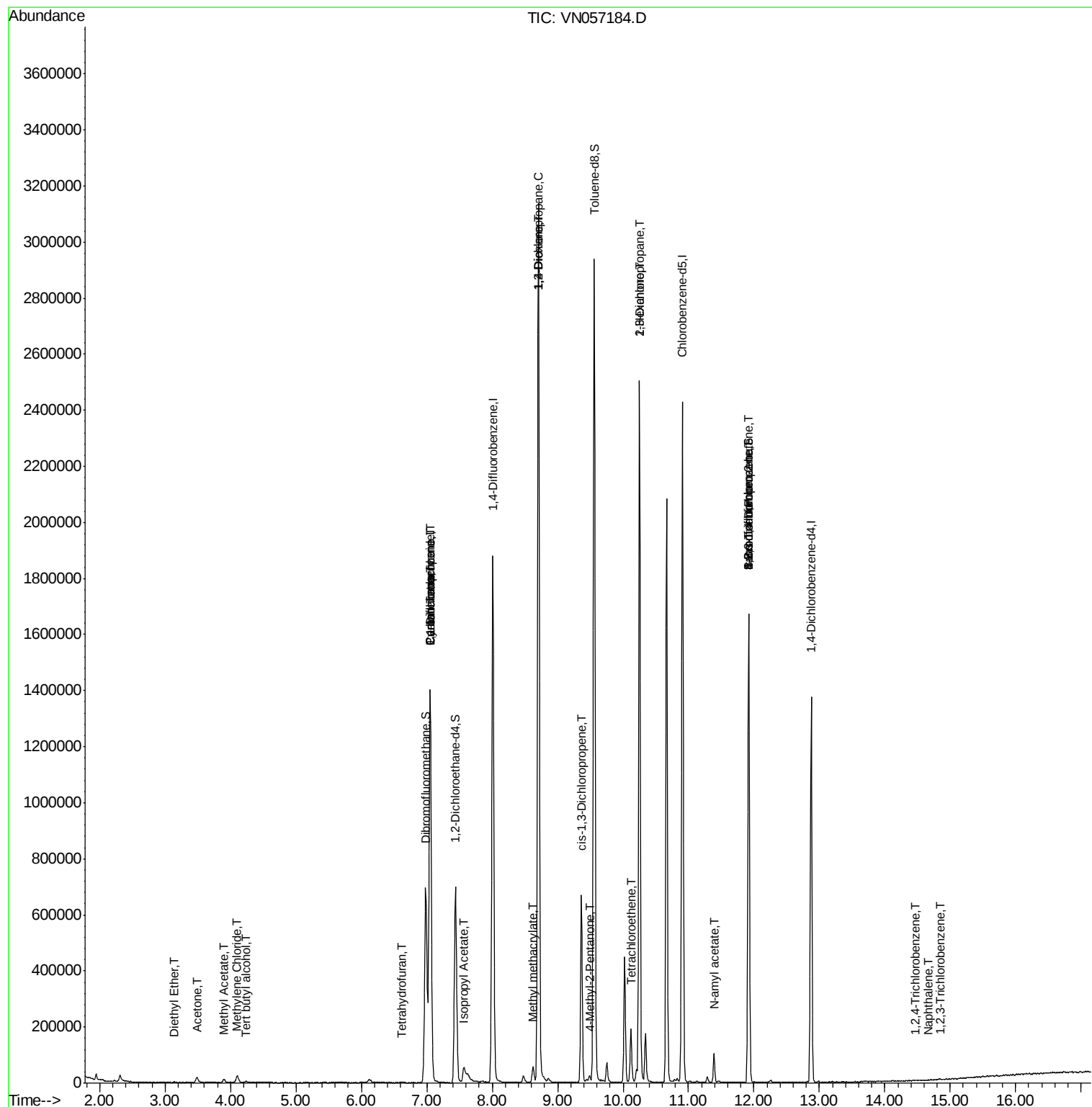
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 8) Diethyl Ether               | 3.14  | 74   | 1884     | 0.253     | ug/l   | 94     |
| 11) Tert butyl alcohol         | 4.24  | 59   | 5111     | 2.587     | ug/l # | 73     |
| 16) Acetone                    | 3.48  | 43   | 27800    | 6.631     | ug/l   | 98     |
| 18) Methyl Acetate             | 3.90  | 43   | 21635    | 1.089     | ug/l # | 75     |
| 20) Methylene Chloride         | 4.09  | 84   | 18962    | 1.371     | ug/l   | 96     |
| 29) Tetrahydrofuran            | 6.61  | 42   | 1152     | 0.267     | ug/l # | 70     |
| 31) Cyclohexane                | 7.05  | 56   | 20293    | 1.008     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.04  | 75   | 81112    | 5.238     | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.05  | 117  | 116462   | 7.217     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 7.56  | 43   | 67348    | 3.092     | ug/l # | 79     |
| 45) 1,2-Dichloropropane        | 8.71  | 63   | 4645     | 0.366     | ug/l # | 43     |
| 48) Methyl methacrylate        | 8.62  | 41   | 21863    | 2.129     | ug/l # | 10     |
| 49) 1,4-Dioxane                | 8.69  | 88   | 430      | 2.055     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.49  | 43   | 19343    | 1.526     | ug/l # | 34     |
| 54) cis-1,3-Dichloropropene    | 9.36  | 75   | 135082   | 7.156     | ug/l # | 61     |
| 57) 1,3-Dichloropropane        | 10.25 | 76   | 26268    | 1.331     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.25 | 43   | 353375   | 41.186    | ug/l # | 49     |
| 64) Tetrachloroethene          | 10.11 | 164  | 3036     | 0.232     | ug/l   | 94     |
| 71) Bromoform                  | 11.91 | 173  | 2071     | 0.239     | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.76 | 105  | 695      | Below Cal | #      | 48     |
| 74) N-amyl acetate             | 11.39 | 43   | 31676    | 3.034     | ug/l # | 49     |
| 75) 1,1,2,2-Tetrachloroethane  | 11.92 | 83   | 345      | Below Cal | #      | 1      |
| 76) 1,2,3-Trichloropropane     | 11.92 | 75   | 273907   | 33.056    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.21 | 91   | 465      | Below Cal |        | 80     |
| 81) trans-1,4-Dichloro-2-buten | 11.92 | 75   | 273907   | 97.748    | ug/l # | 14     |
| 83) tert-Butylbenzene          | 12.53 | 119  | 479      | Below Cal | #      | 65     |
| 90) Hexachloroethane           | 13.58 | 117  | 32       | Below Cal | #      | 1      |
| 93) 1,2,4-Trichlorobenzene     | 14.45 | 180  | 1140     | 6.098     | ug/l # | 74     |
| 94) Hexachlorobutadiene        | 14.55 | 225  | 99       | Below Cal | #      | 19     |
| 95) Naphthalene                | 14.67 | 128  | 1315     | 2.926     | ug/l # | 72     |
| 96) 1,2,3-Trichlorobenzene     | 14.84 | 180  | 1018     | 5.867     | ug/l   | 78     |

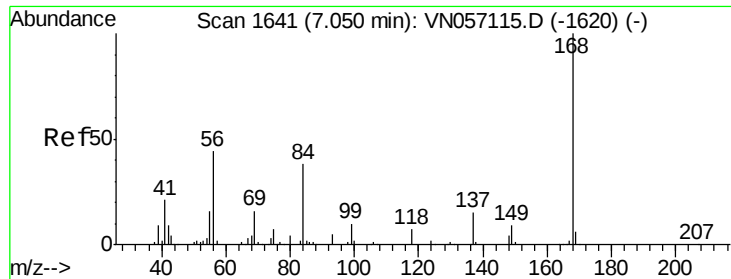
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN081119\  
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1S-J(1)

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Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:49:25 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampleId :

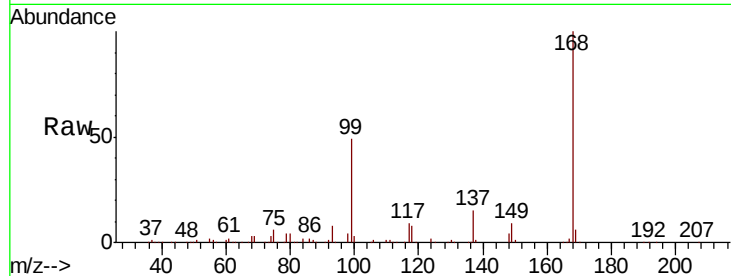
1S-J(1)

Tgt Ion:168 Resp: 1349761

Ion Ratio Lower Upper

168 100

99 48.8 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

600000

500000

400000

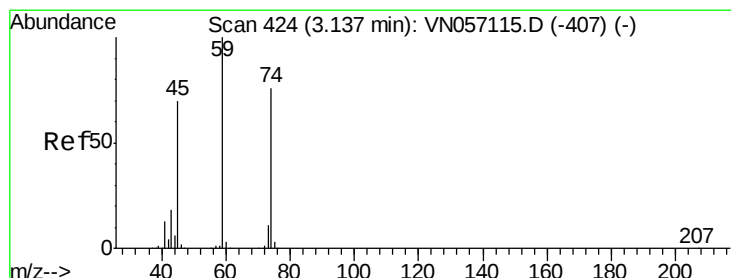
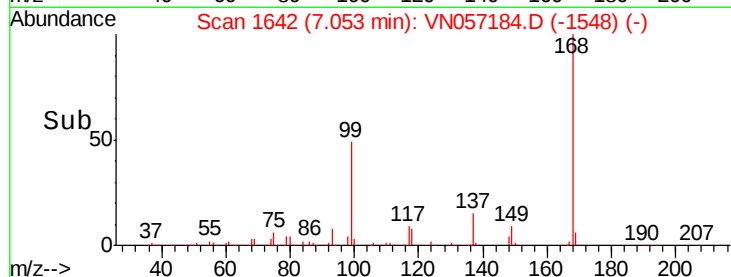
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 0.253 ug/l

RT: 3.14 min Scan# 424

Delta R.T. 0.00 min

Lab File: VN057184.D

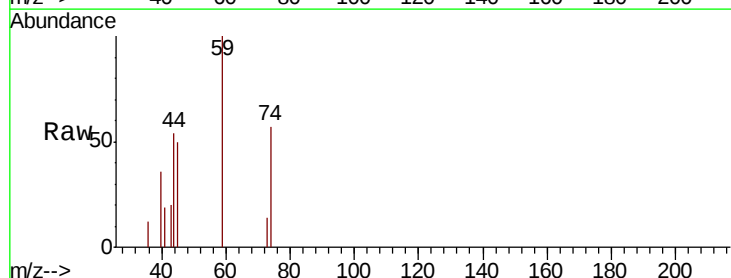
Acq: 11 Aug 2019 13:51

Tgt Ion: 74 Resp: 1884

Ion Ratio Lower Upper

74 100

45 86.8 46.3 138.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

1200

1000

800

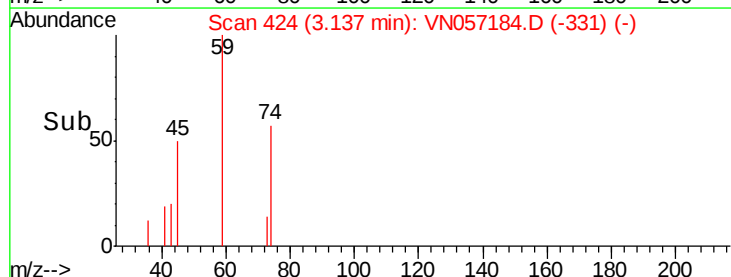
600

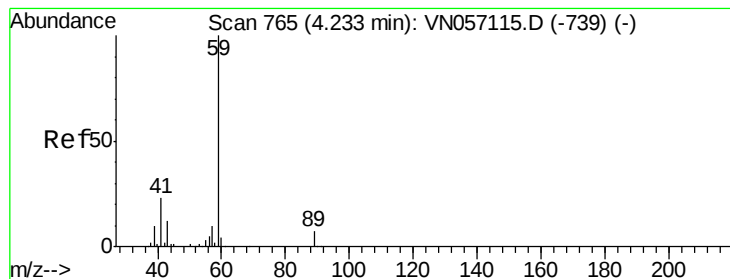
400

200

0

Time--> 3.10 3.15



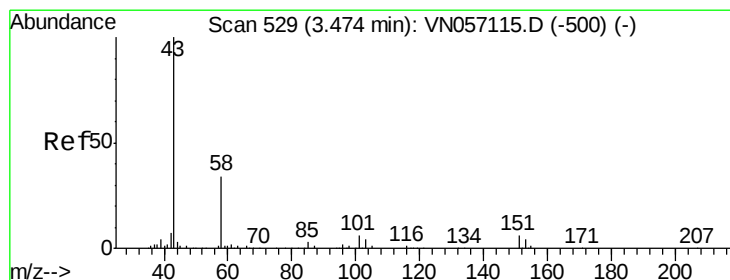
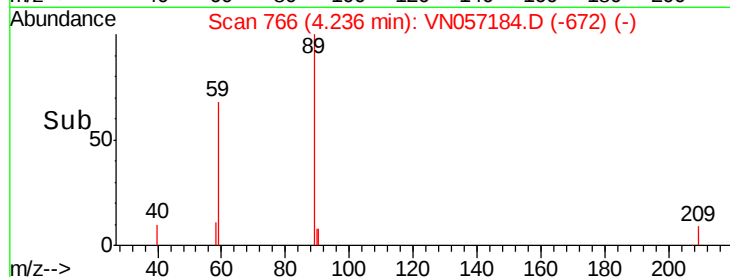
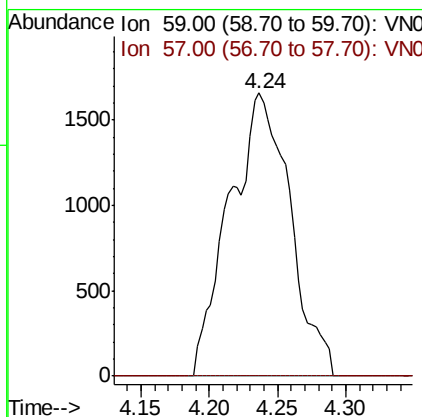
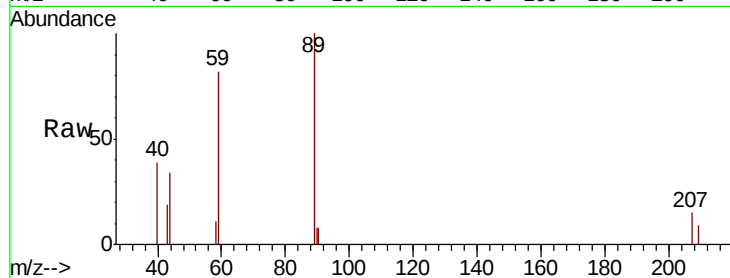


#11

Tert butyl alcohol  
 Concen: 2.587 ug/l  
 RT: 4.24 min Scan# 766  
 Delta R.T. 0.00 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 1S-J-(1)

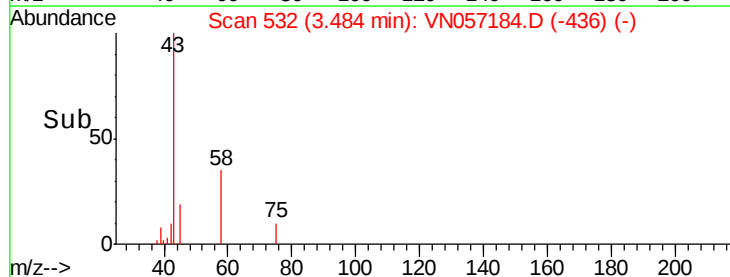
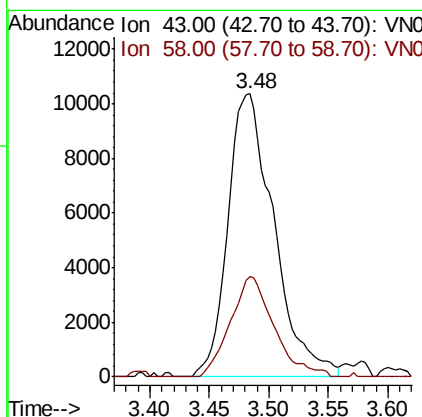
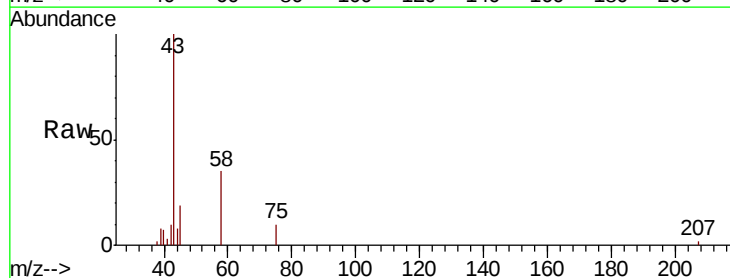
Tgt Ion: 59 Resp: 5111  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.9 11.9#

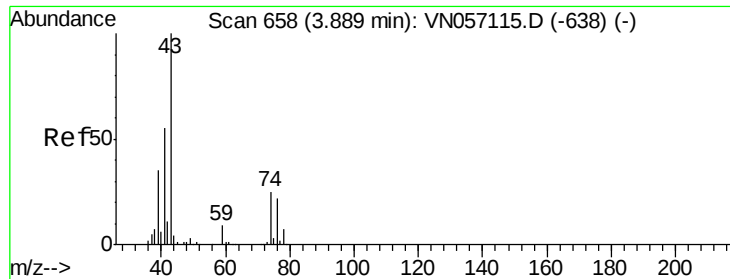


#16

Acetone  
 Concen: 6.631 ug/l  
 RT: 3.48 min Scan# 532  
 Delta R.T. 0.01 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

Tgt Ion: 43 Resp: 27800  
 Ion Ratio Lower Upper  
 43 100  
 58 35.4 27.4 41.2

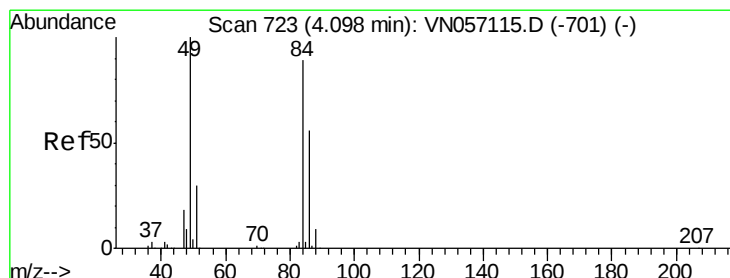
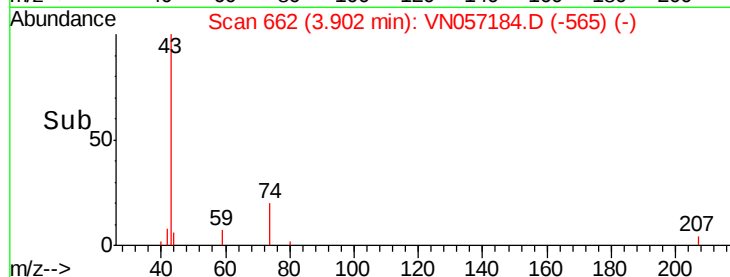
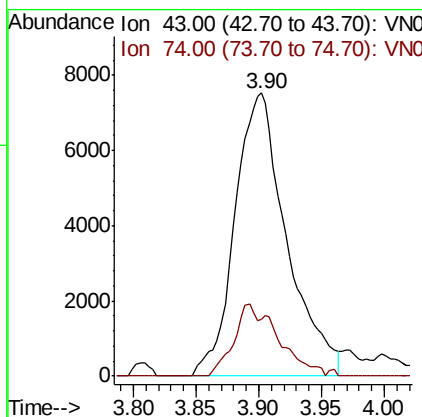
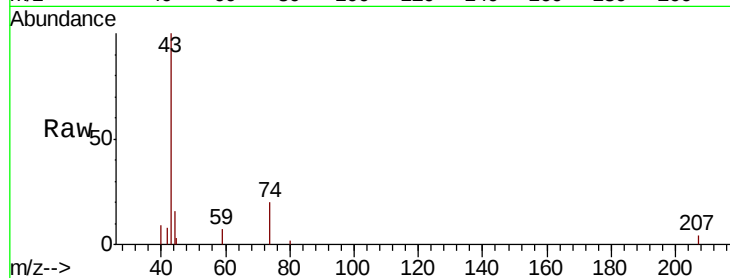




#18  
Methyl Acetate  
Concen: 1.089 ug/l  
RT: 3.90 min Scan# 662  
Delta R.T. 0.01 min  
Lab File: VN057184.D  
Acq: 11 Aug 2019 13:51

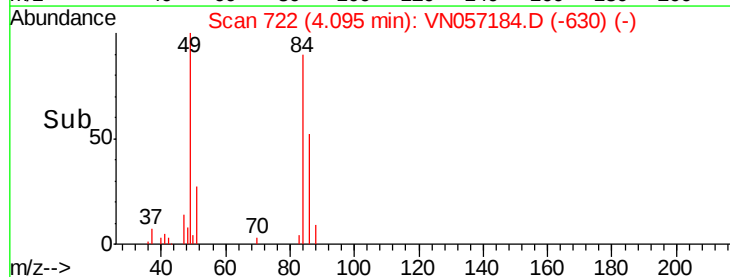
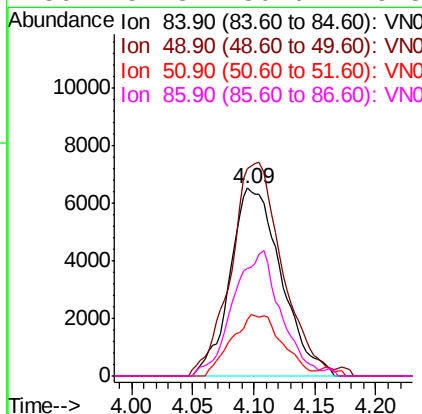
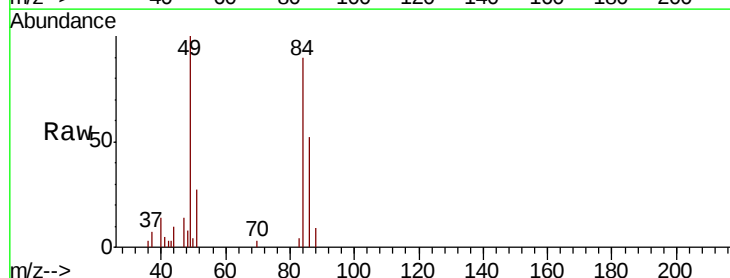
Instrument :  
MSVOA\_N  
ClientSampleId :  
1S-J(1)

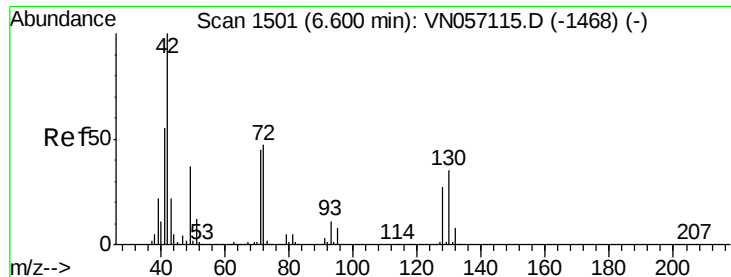
Tgt Ion: 43 Resp: 21635  
Ion Ratio Lower Upper  
43 100  
74 12.6 20.2 30.4#



#20  
Methylene Chloride  
Concen: 1.371 ug/l  
RT: 4.09 min Scan# 722  
Delta R.T. -0.00 min  
Lab File: VN057184.D  
Acq: 11 Aug 2019 13:51

Tgt Ion: 84 Resp: 18962  
Ion Ratio Lower Upper  
84 100  
49 110.6 89.5 134.3  
51 29.8 27.2 40.8  
86 57.3 50.6 75.8





#29

Tetrahydrofuran

Concen: 0.267 ug/l

RT: 6.61 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampleId :

1S-J(1)

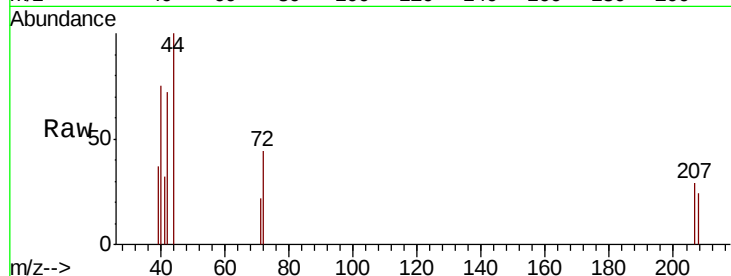
Tgt Ion: 42 Resp: 1152

Ion Ratio Lower Upper

42 100

72 45.0 37.1 55.7

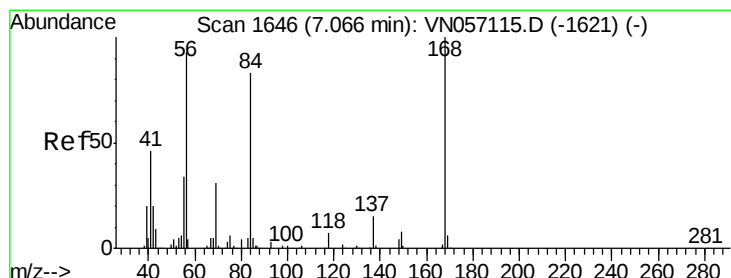
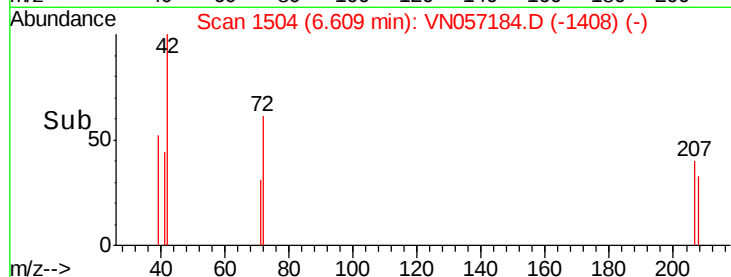
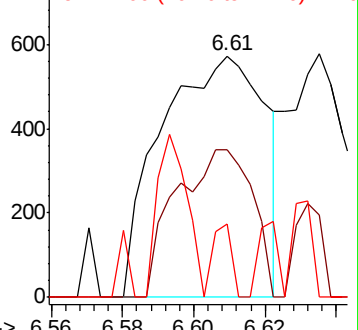
71 5.6 34.8 52.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.008 ug/l

RT: 7.05 min Scan# 1640

Delta R.T. -0.02 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

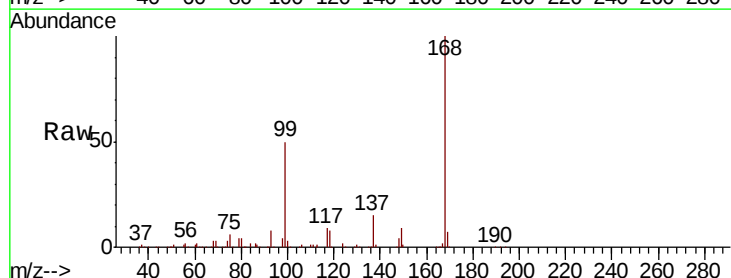
Tgt Ion: 56 Resp: 20293

Ion Ratio Lower Upper

56 100

69 177.0 26.9 40.3#

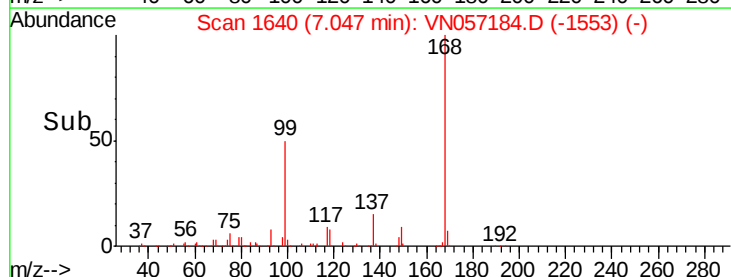
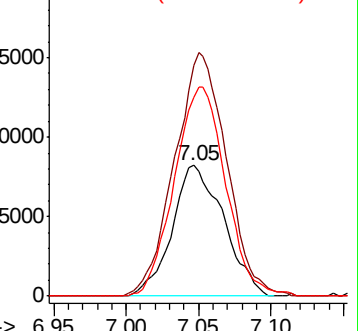
84 151.7 71.9 107.9#

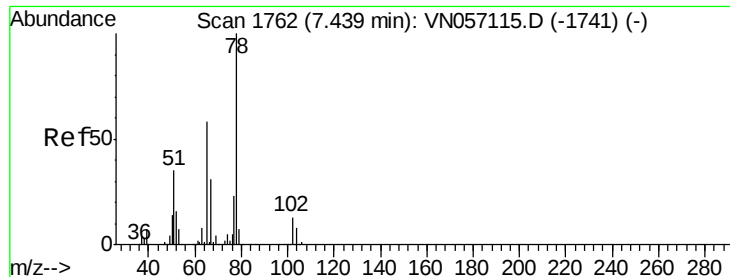


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

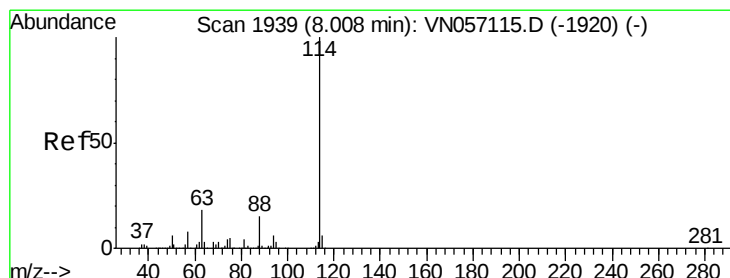
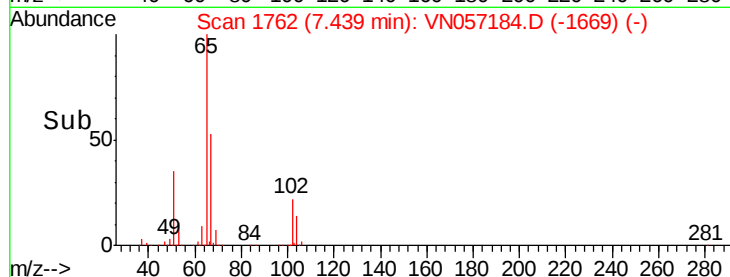
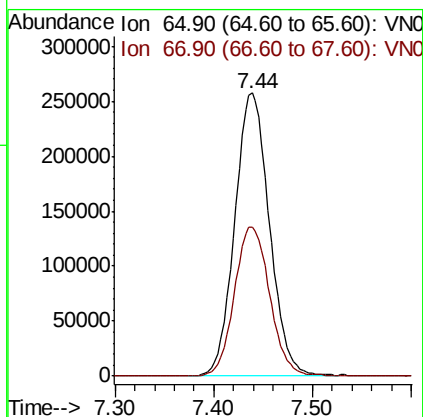
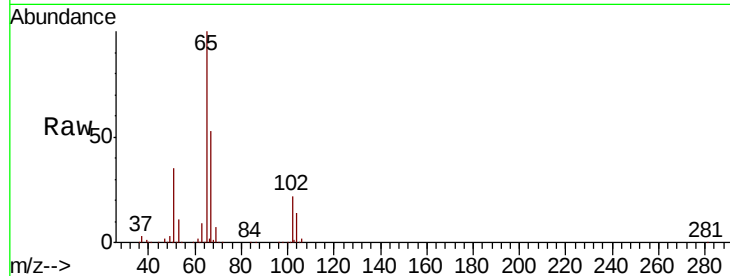




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.181 ug/l  
 RT: 7.44 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

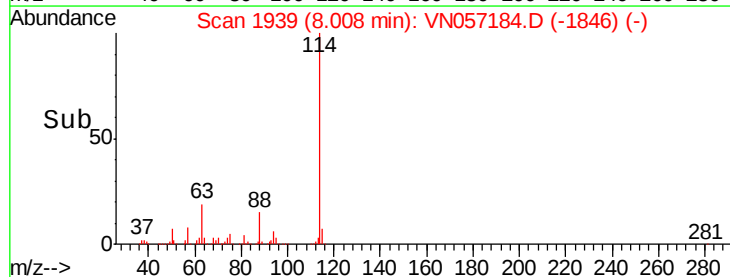
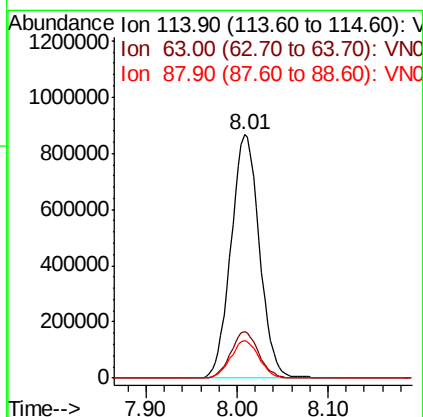
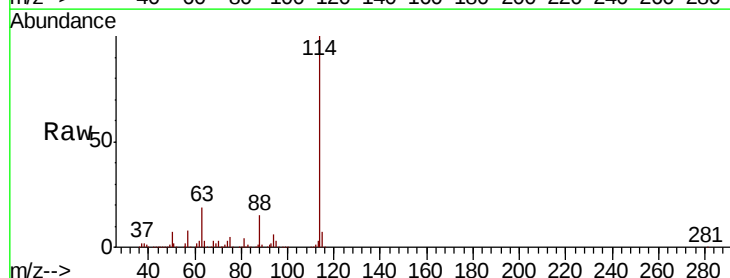
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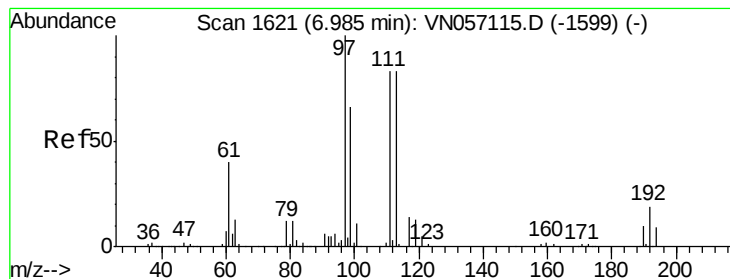
Tgt Ion: 65 Resp: 627174  
 Ion Ratio Lower Upper  
 65 100  
 67 53.7 0.0 108.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

Tgt Ion: 114 Resp: 1880630  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 36.2  
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.985 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :  
MSVOA\_N  
ClientSampled :  
1S-J(1)

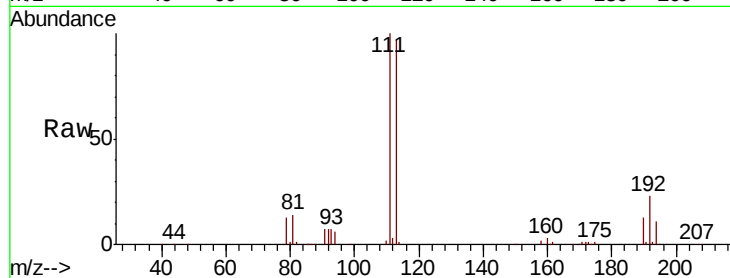
Tgt Ion: 113 Resp: 566280

Ion Ratio Lower Upper

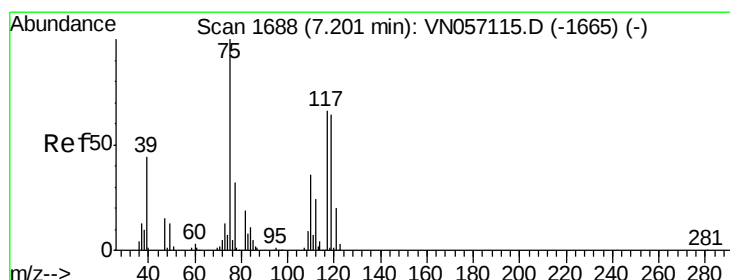
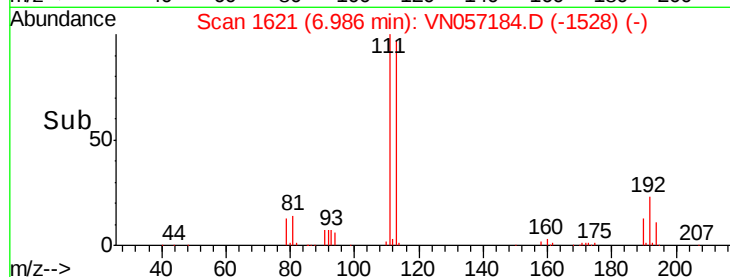
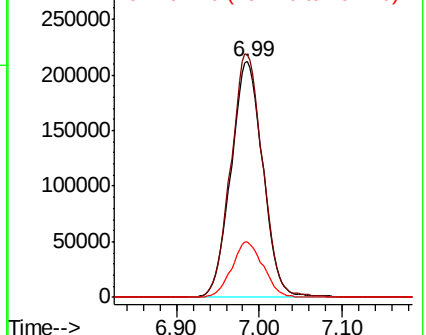
113 100

111 103.4 81.3 121.9

192 23.3 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.238 ug/l

RT: 7.04 min Scan# 1639

Delta R.T. -0.16 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

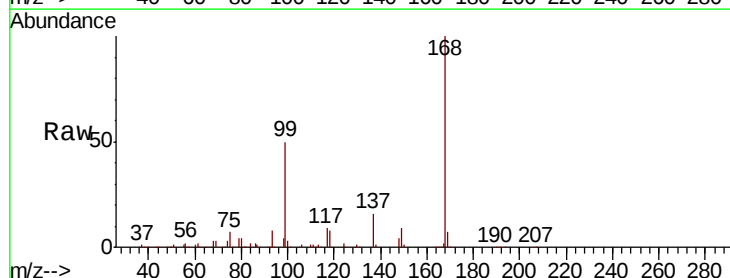
Tgt Ion: 75 Resp: 81112

Ion Ratio Lower Upper

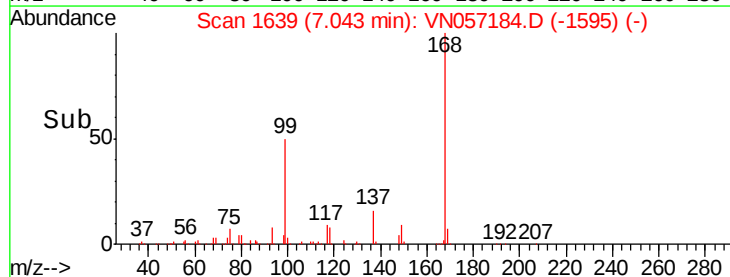
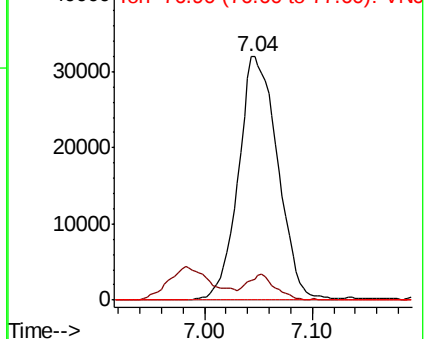
75 100

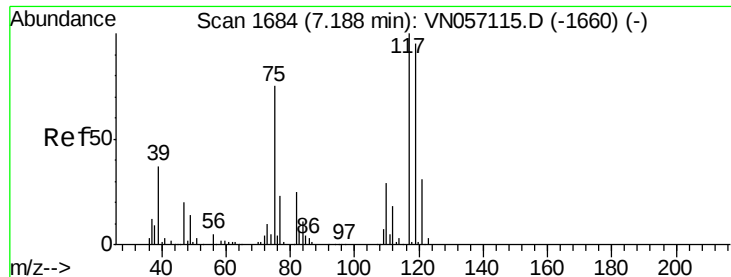
110 7.6 18.7 56.1#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.217 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. -0.14 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampleId :

1S-J(1)

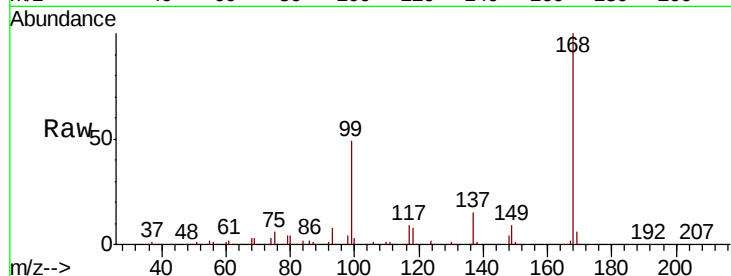
Tgt Ion:117 Resp: 116462

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

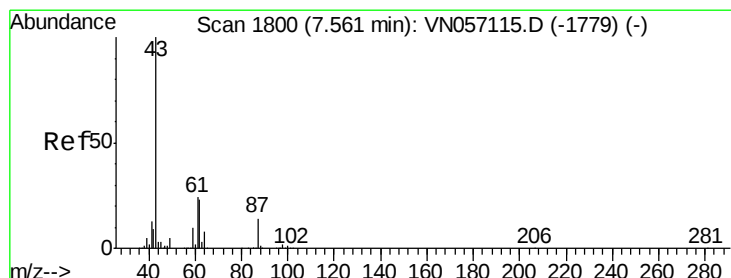
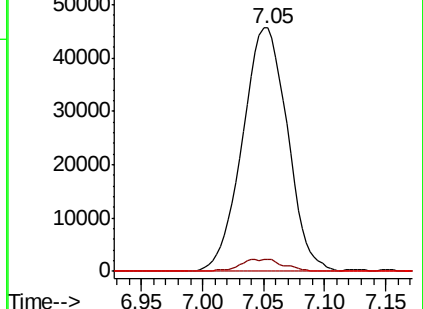
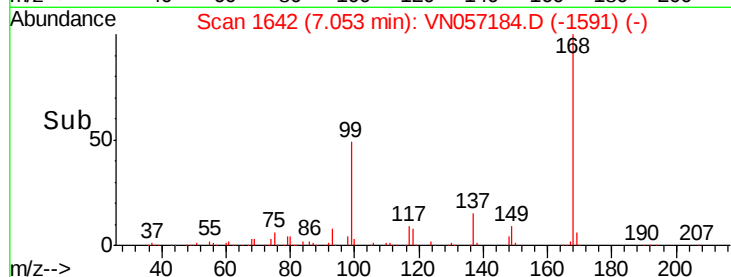
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.092 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

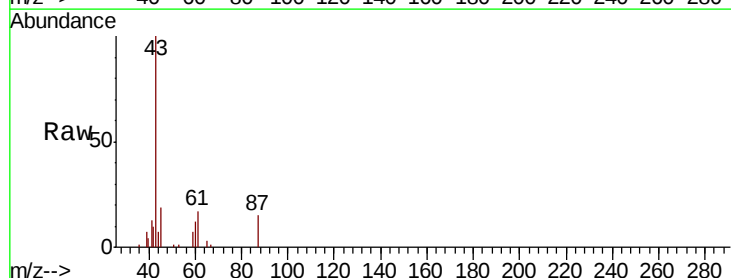
Tgt Ion: 43 Resp: 67348

Ion Ratio Lower Upper

43 100

61 15.5 24.2 36.2#

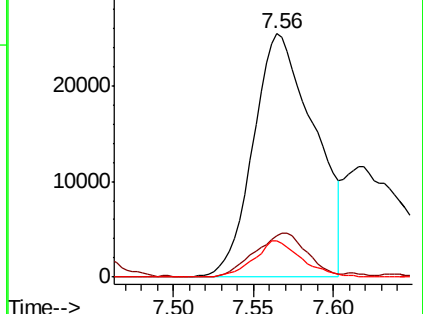
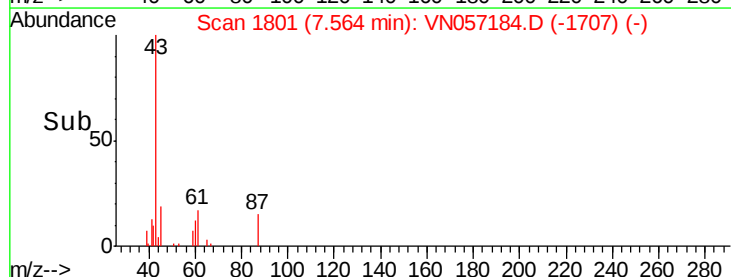
87 11.6 11.8 17.8#

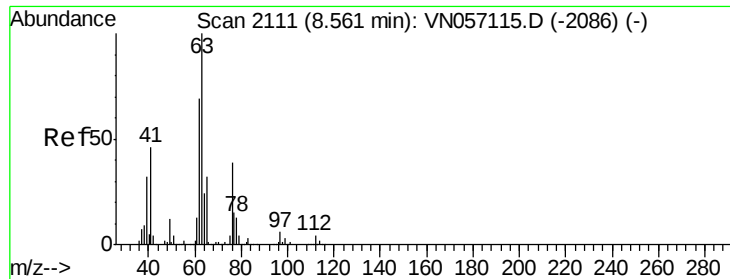


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

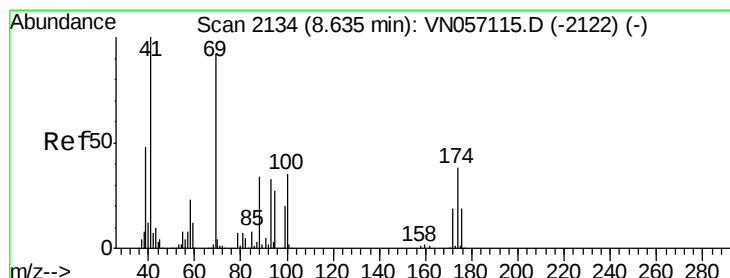
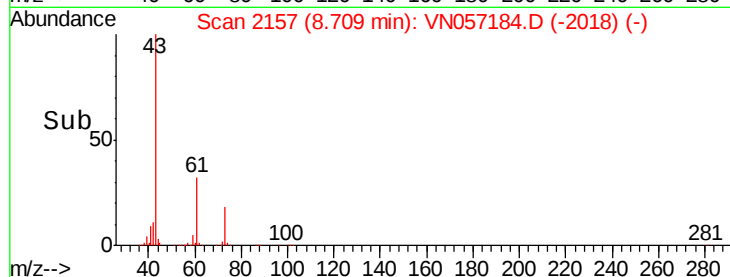
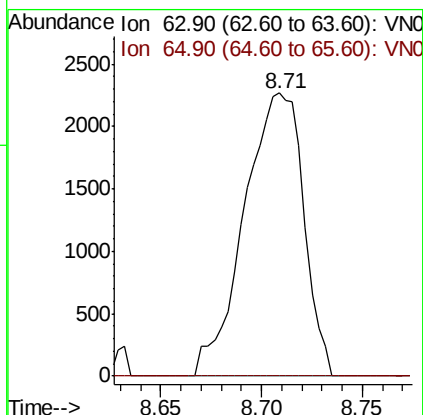
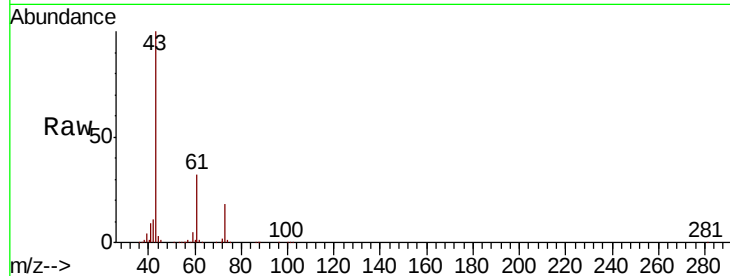




#45  
 1,2-Dichloropropane  
 Concen: 0.366 ug/l  
 RT: 8.71 min Scan# 2157  
 Delta R.T. 0.15 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

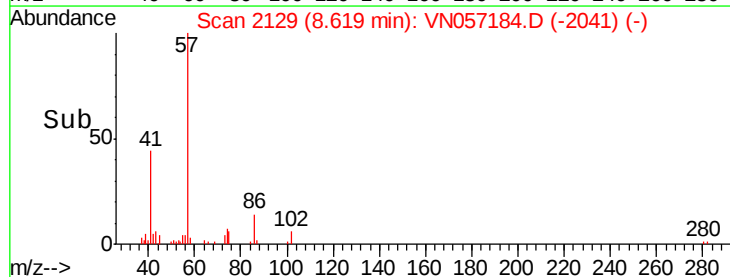
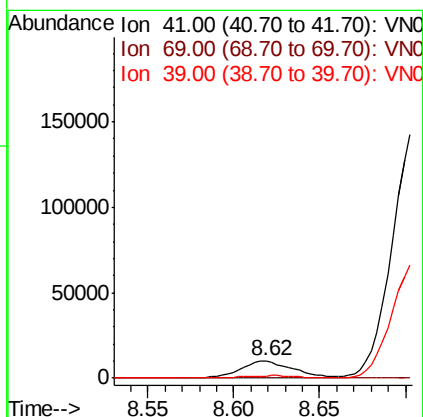
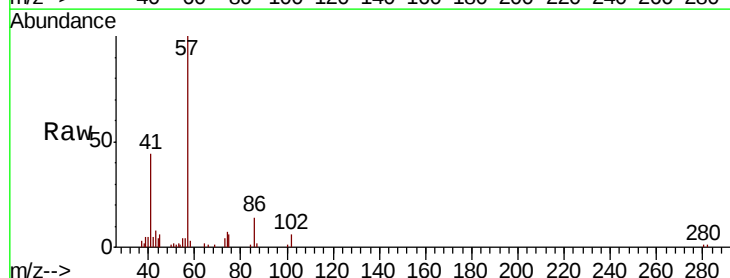
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 1S-J(1)

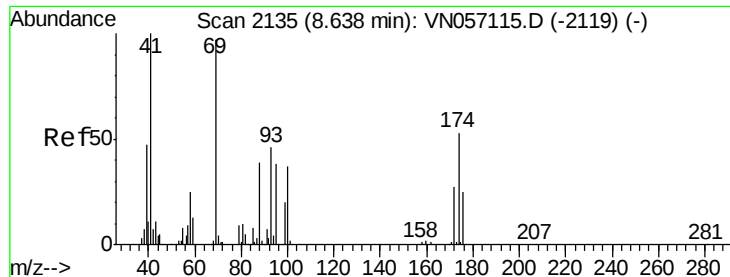
Tgt Ion: 63 Resp: 4645  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 25.2 37.8#



#48  
 Methyl methacrylate  
 Concen: 2.129 ug/l  
 RT: 8.62 min Scan# 2129  
 Delta R.T. -0.02 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

Tgt Ion: 41 Resp: 21863  
 Ion Ratio Lower Upper  
 41 100  
 69 0.1 77.5 116.3#  
 39 0.0 39.8 59.6#





#49

1,4-Dioxane

Concen: 2.055 ug/l

RT: 8.69 min Scan# 2151

Delta R.T. 0.05 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampleId :

1S-J(1)

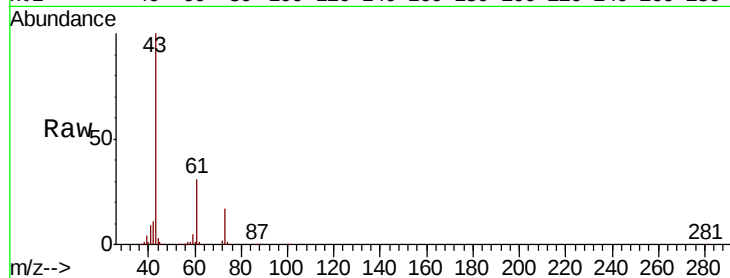
Tgt Ion: 88 Resp: 430

Ion Ratio Lower Upper

88 100

43 727714.9 21.7 32.5#

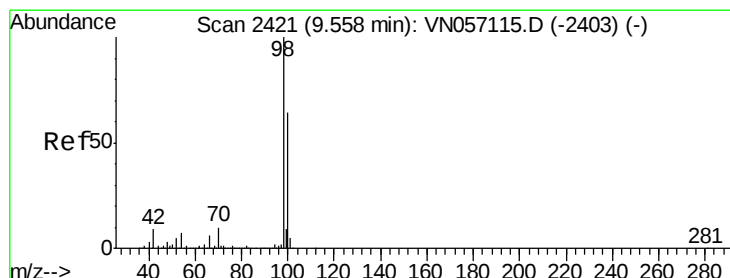
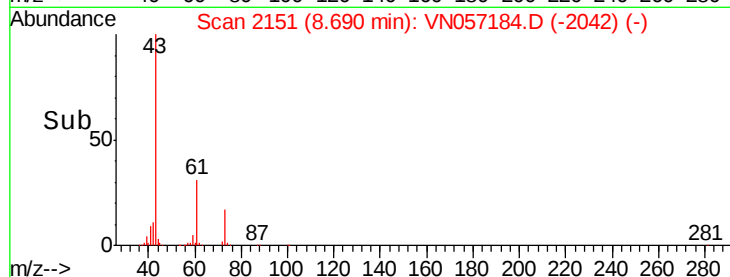
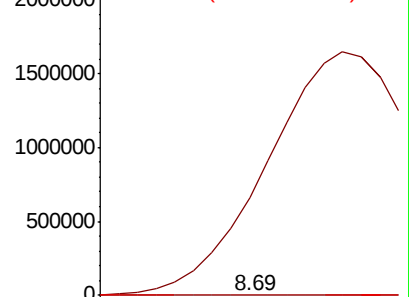
58 3192.8 51.1 76.7#



Abundance Ion 88.00 (87.70 to 88.70): VN057184.D (-2151) (-)

Ion 43.00 (42.70 to 43.70): VN057184.D (-2151) (-)

Ion 58.00 (57.70 to 58.70): VN057184.D (-2151) (-)



#50

Toluene-d8

Concen: 48.686 ug/l

RT: 9.56 min Scan# 2421

Delta R.T. 0.00 min

Lab File: VN057184.D

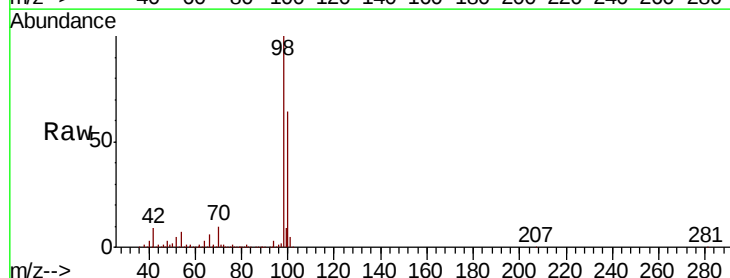
Acq: 11 Aug 2019 13:51

Tgt Ion: 98 Resp: 2198131

Ion Ratio Lower Upper

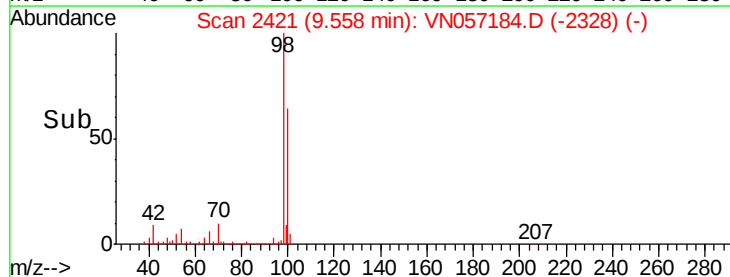
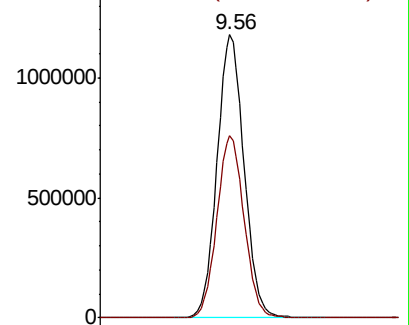
98 100

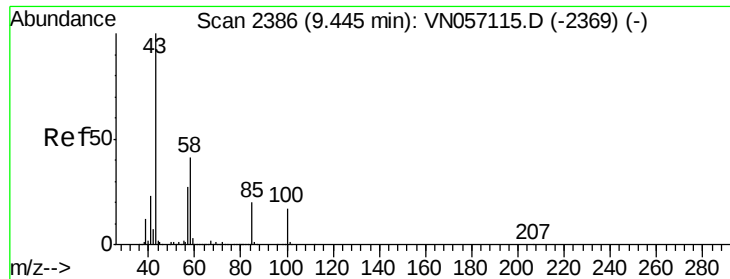
100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN057184.D (-2421) (-)

Ion 100.00 (99.70 to 100.70): VN057184.D (-2421) (-)

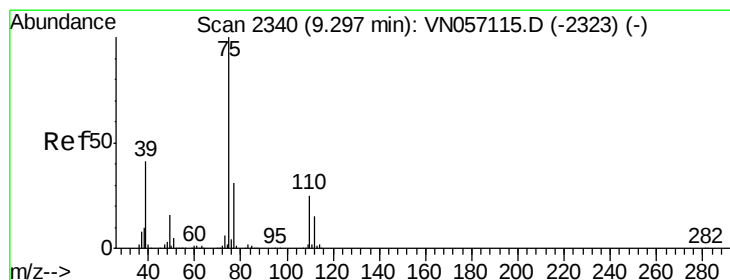
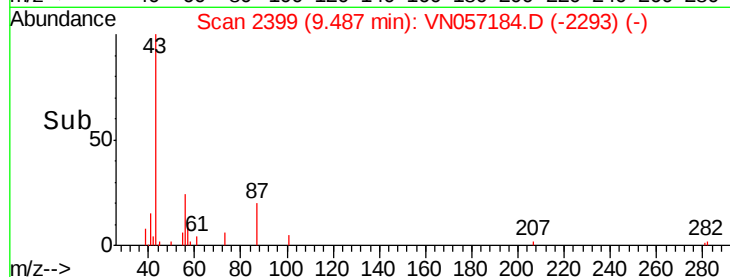
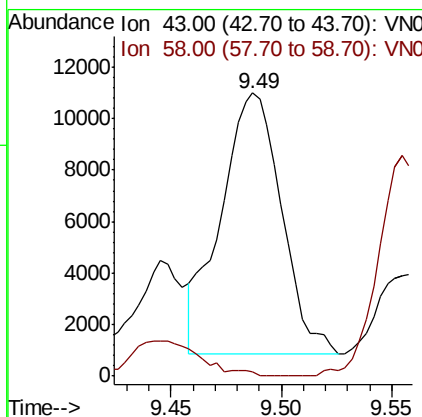
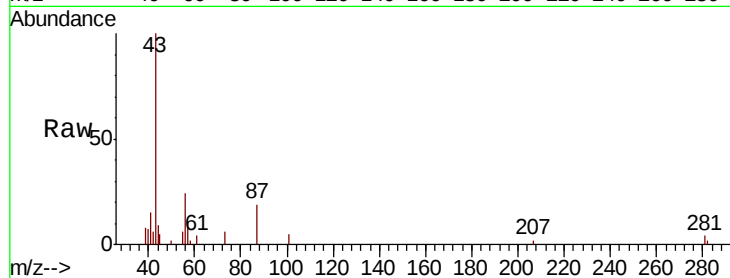




#51  
 4-Methyl-2-Pentanone  
 Concen: 1.526 ug/l  
 RT: 9.49 min Scan# 2399  
 Delta R.T. 0.04 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

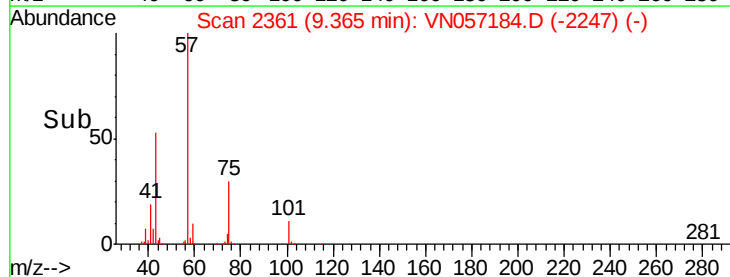
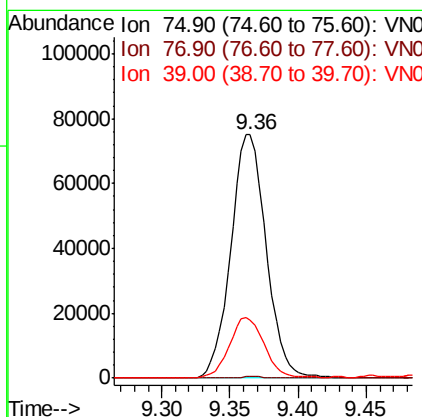
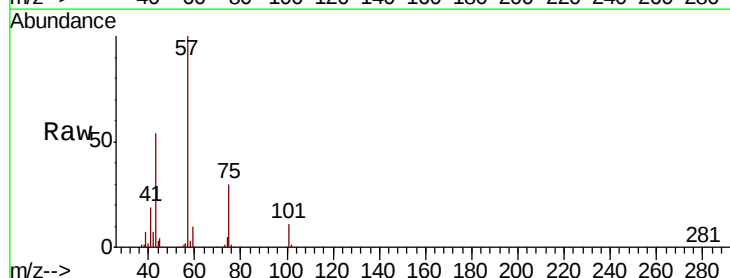
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 1S-J(1)

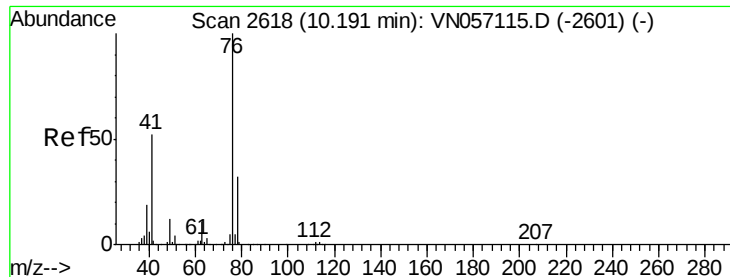
Tgt Ion: 43 Resp: 19343  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 33.2 49.8#



#54  
 cis-1,3-Dichloropropene  
 Concen: 7.156 ug/l  
 RT: 9.36 min Scan# 2361  
 Delta R.T. 0.07 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

Tgt Ion: 75 Resp: 135082  
 Ion Ratio Lower Upper  
 75 100  
 77 0.7 25.1 37.7#  
 39 23.8 32.5 48.7#

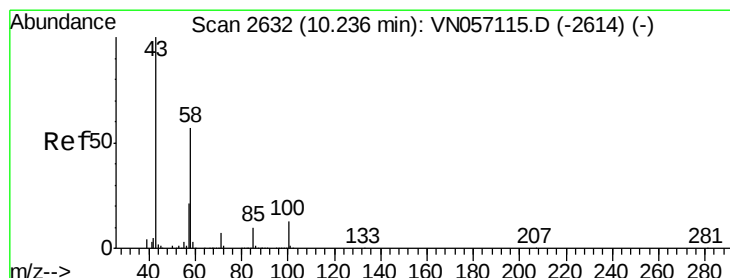
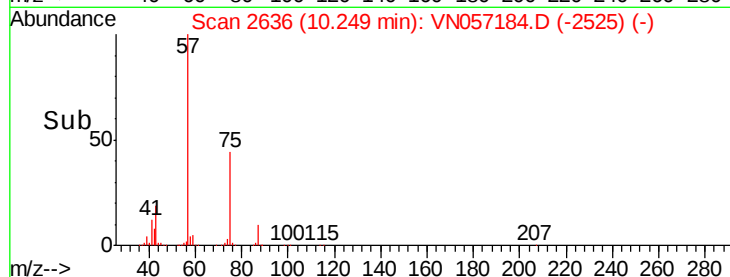
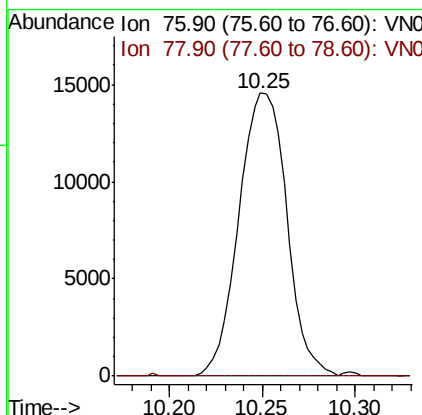
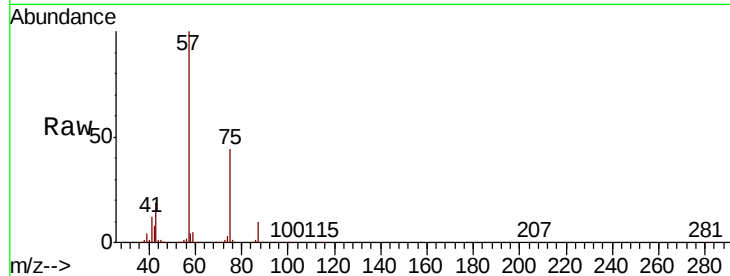




#57  
 1,3-Dichloropropane  
 Concen: 1.331 ug/l  
 RT: 10.25 min Scan# 2636  
 Delta R.T. 0.06 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

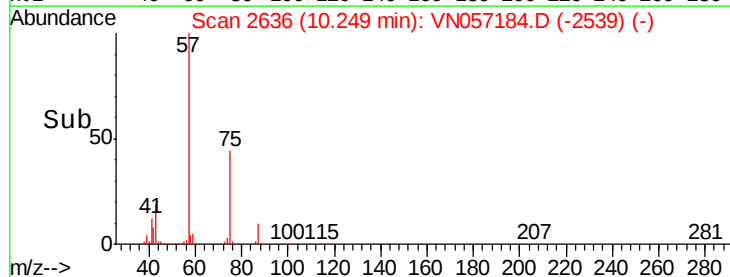
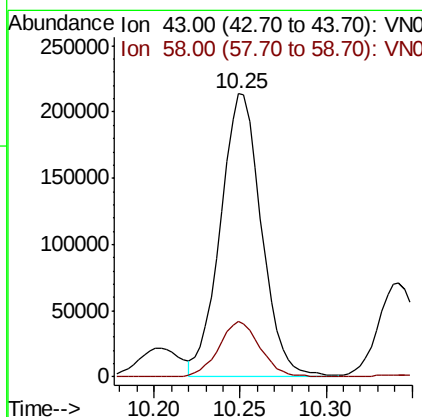
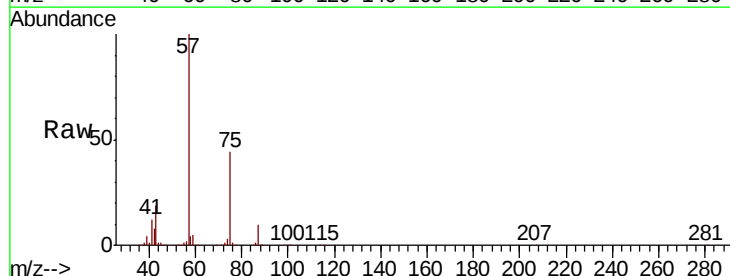
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 1S-J(1)

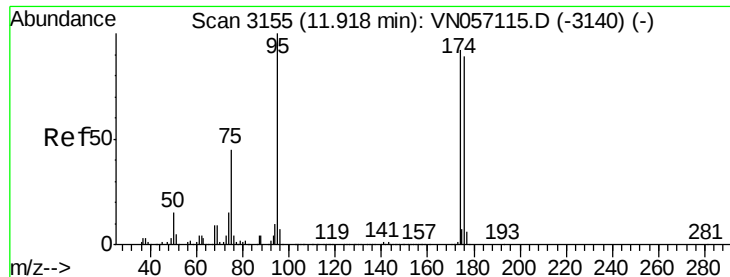
Tgt Ion: 76 Resp: 26268  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.9 38.9#



#59  
 2-Hexanone  
 Concen: 41.186 ug/l  
 RT: 10.25 min Scan# 2636  
 Delta R.T. 0.01 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

Tgt Ion: 43 Resp: 353375  
 Ion Ratio Lower Upper  
 43 100  
 58 20.0 29.2 87.6#





#62

4-Bromofluorobenzene

Concen: 40.517 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampleId :

1S-J(1)

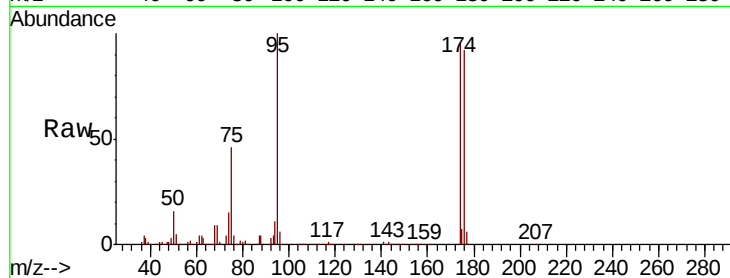
Tgt Ion: 95 Resp: 589429

Ion Ratio Lower Upper

95 100

174 94.7 0.0 185.0

176 91.1 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VN057115.D (-3140) (-)

Ion 173.80 (173.50 to 174.50): VN057115.D (-3140) (-)

Ion 175.80 (175.50 to 176.50): VN057115.D (-3140) (-)

11.92

400000

300000

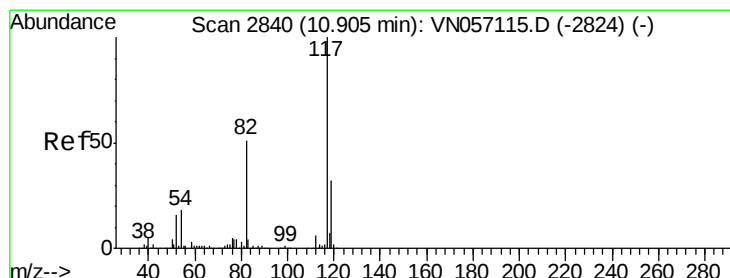
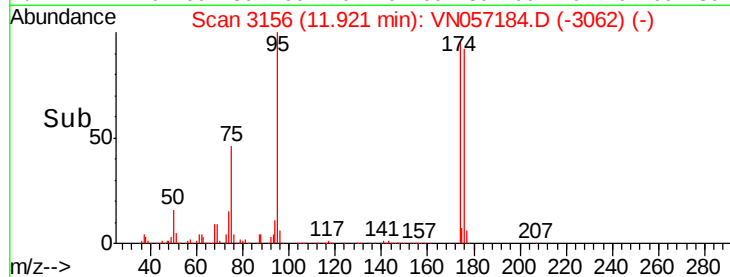
200000

100000

0

11.90 12.00

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

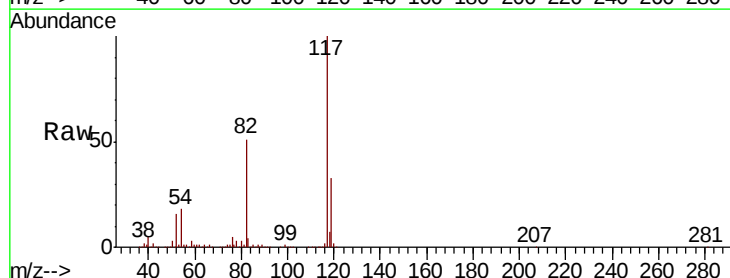
Tgt Ion: 117 Resp: 1572232

Ion Ratio Lower Upper

117 100

82 51.3 40.8 61.2

119 32.7 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN057115.D (-2824) (-)

Ion 82.00 (81.70 to 82.70): VN057115.D (-2824) (-)

Ion 118.90 (118.60 to 119.60): VN057115.D (-2824) (-)

10.91

1200000

1000000

800000

600000

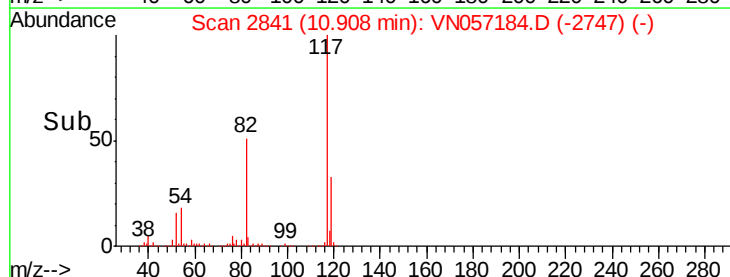
400000

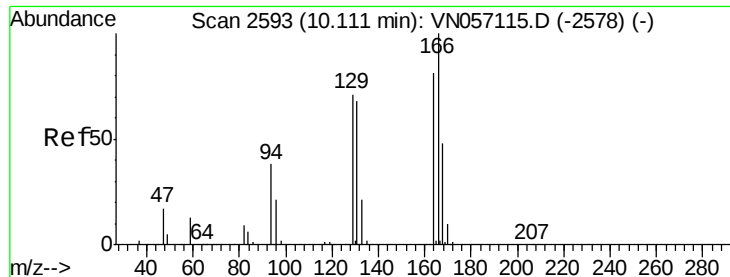
200000

0

10.80 10.90 11.00

Time-->





#64

Tetrachloroethene

Concen: 0.232 ug/l

RT: 10.11 min Scan# 2593

Delta R.T. 0.00 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampleId :

1S-J(1)

Tgt Ion:164 Resp: 3036

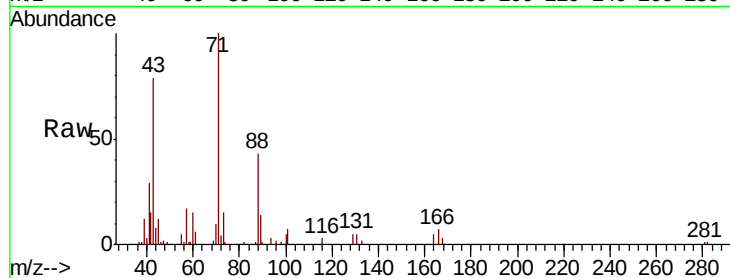
Ion Ratio Lower Upper

164 100

166 131.3 98.3 147.5

129 83.1 69.8 104.6

131 89.5 66.8 100.2

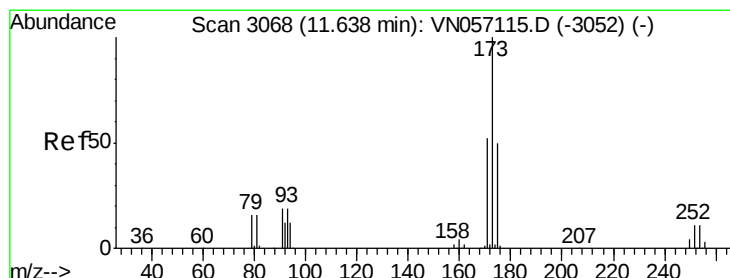
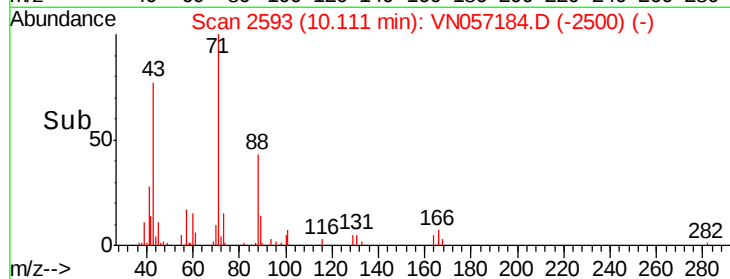
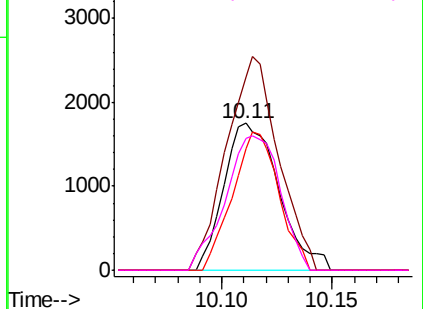


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 0.239 ug/l

RT: 11.91 min Scan# 3154

Delta R.T. 0.28 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

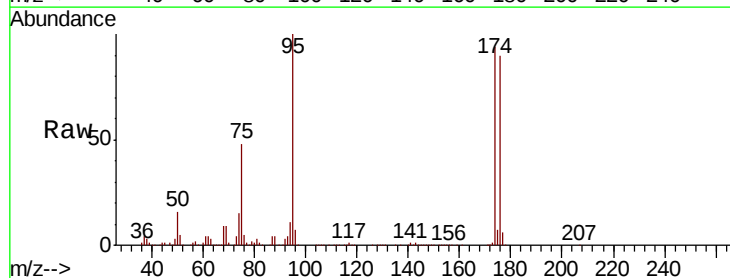
Tgt Ion:173 Resp: 2071

Ion Ratio Lower Upper

173 100

175 1360.8 24.6 73.8#

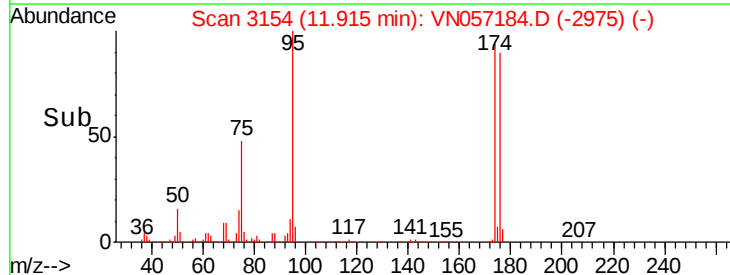
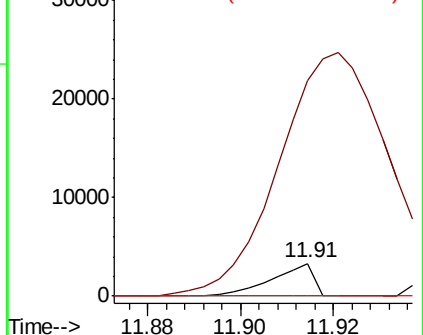
254 0.0 0.1 0.1#

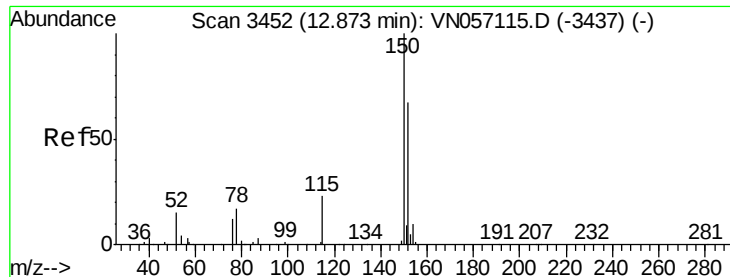


Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampled :

1S-J(1)

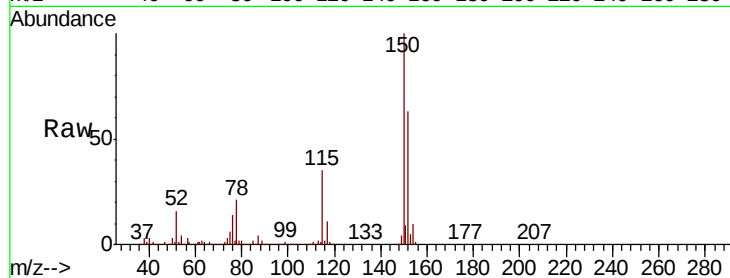
Tgt Ion:152 Resp: 412016

Ion Ratio Lower Upper

152 100

115 55.2 27.5 82.5

150 158.1 0.0 341.6

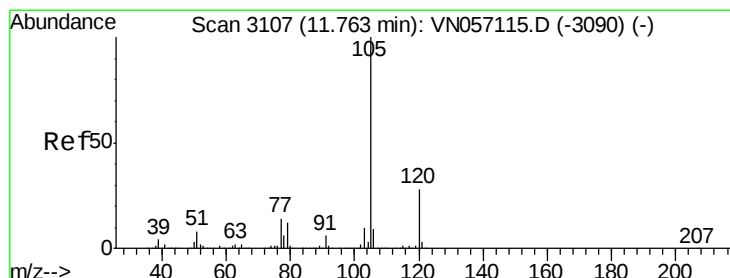
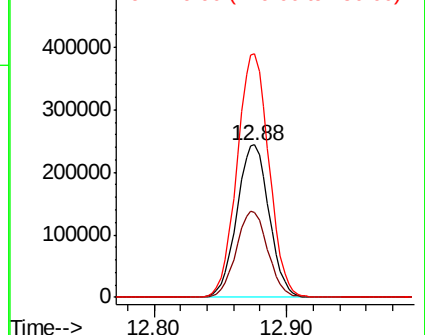
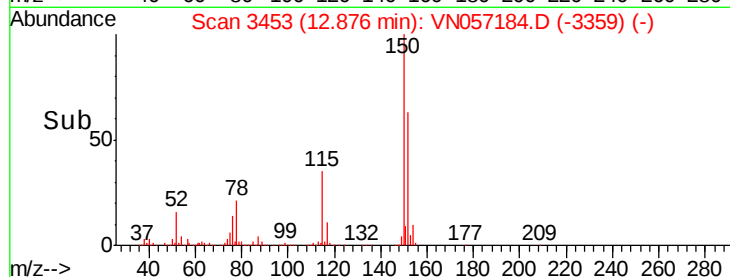


Abundance

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: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057184.D

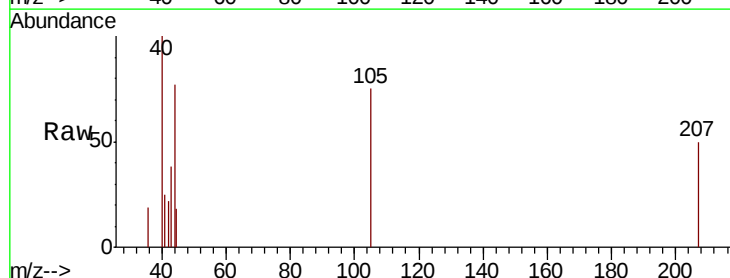
Acq: 11 Aug 2019 13:51

Tgt Ion:105 Resp: 695

Ion Ratio Lower Upper

105 100

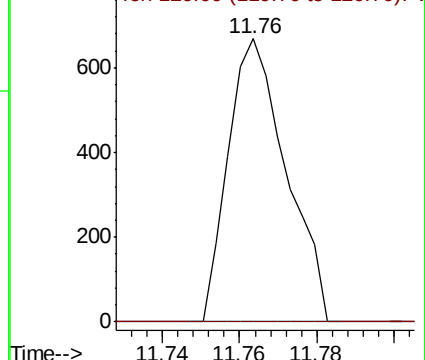
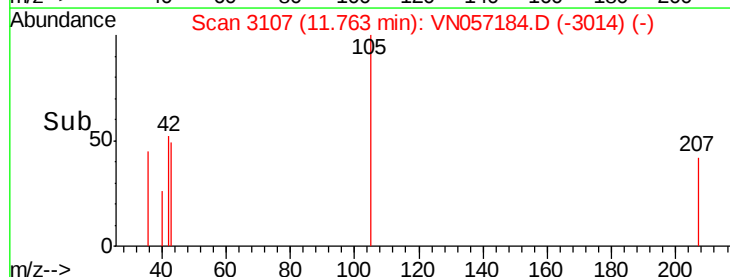
120 0.0 13.7 41.0#

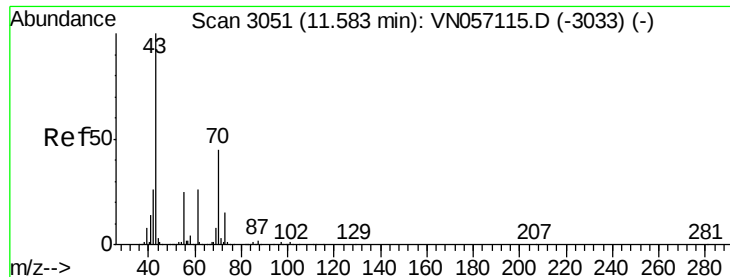


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 3.034 ug/l

RT: 11.39 min Scan# 2990

Delta R.T. -0.20 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampled :

1S-J(1)

Tgt Ion: 43 Resp: 31676

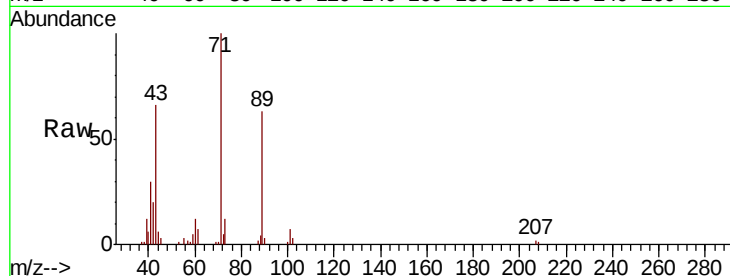
Ion Ratio Lower Upper

43 100

70 1.0 36.8 55.2#

55 4.8 20.6 31.0#

61 11.3 21.0 31.4#

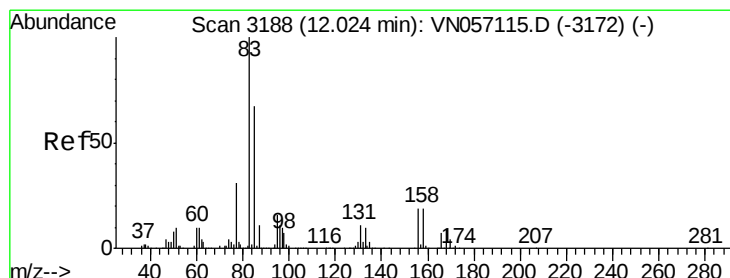
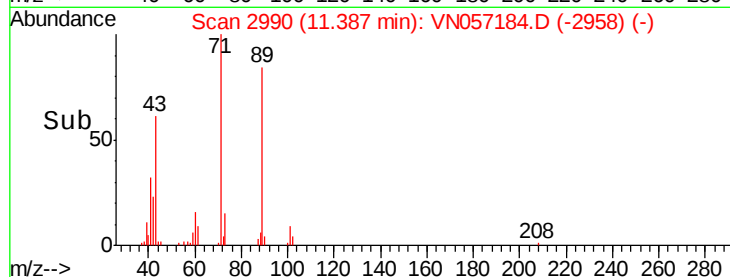
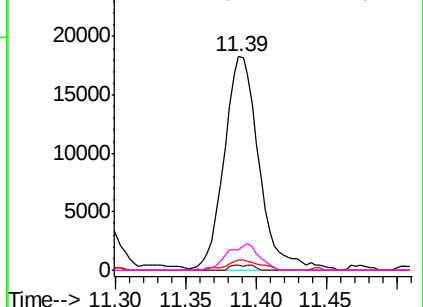


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.92 min Scan# 3156

Delta R.T. -0.10 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

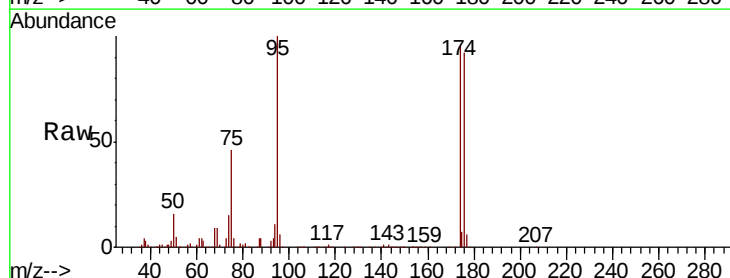
Tgt Ion: 83 Resp: 345

Ion Ratio Lower Upper

83 100

131 174.8 5.5 16.4#

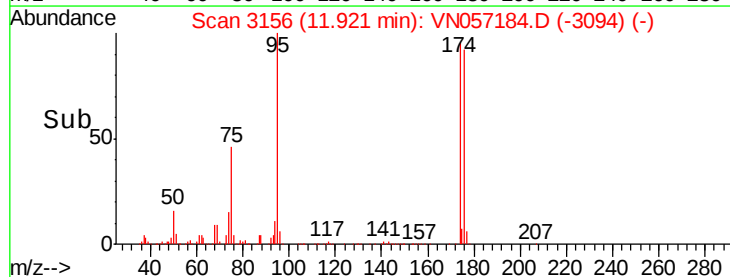
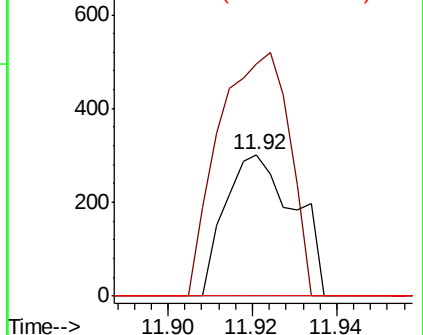
85 0.0 32.4 97.0#

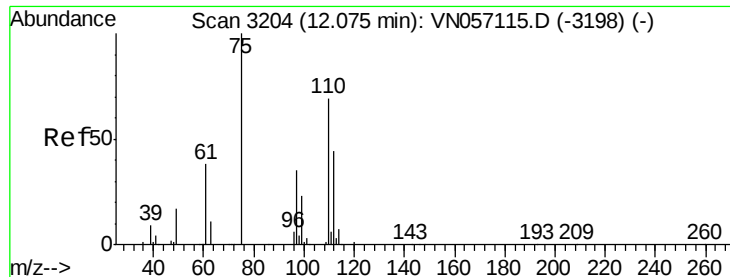


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.056 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.15 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampled :

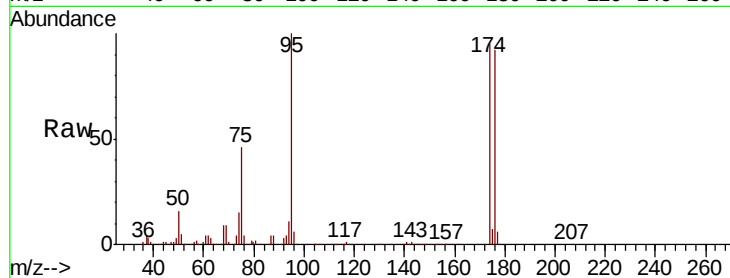
1S-J(1)

Tgt Ion: 75 Resp: 273907

Ion Ratio Lower Upper

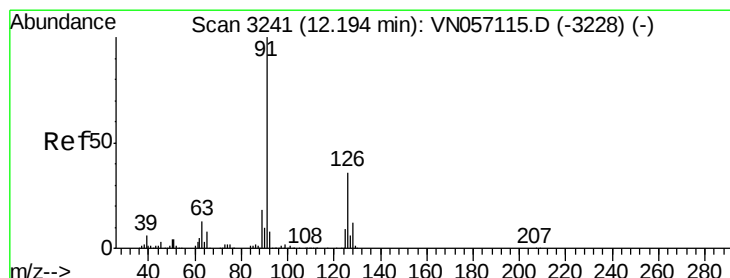
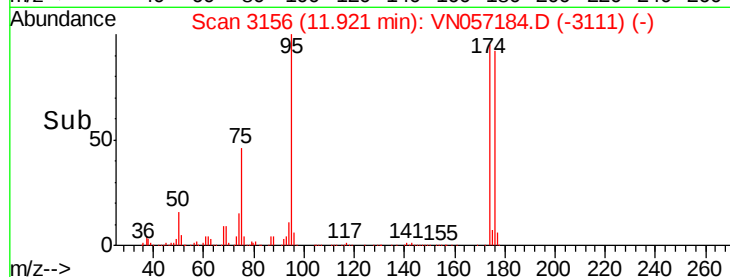
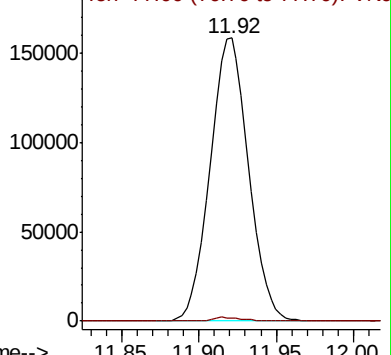
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.21 min Scan# 3245

Delta R.T. 0.01 min

Lab File: VN057184.D

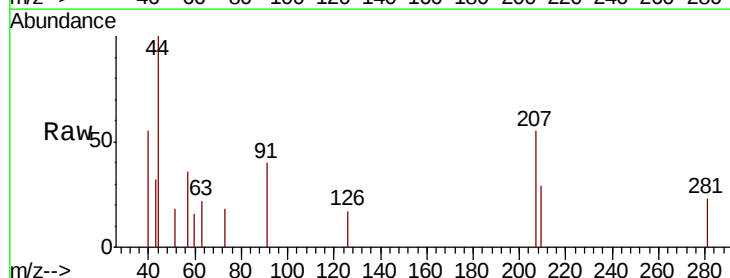
Acq: 11 Aug 2019 13:51

Tgt Ion: 91 Resp: 465

Ion Ratio Lower Upper

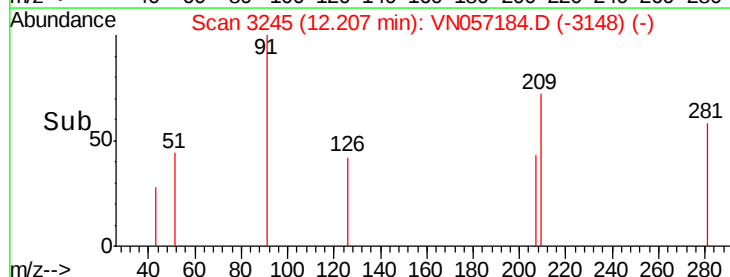
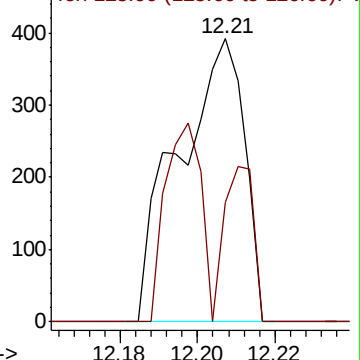
91 100

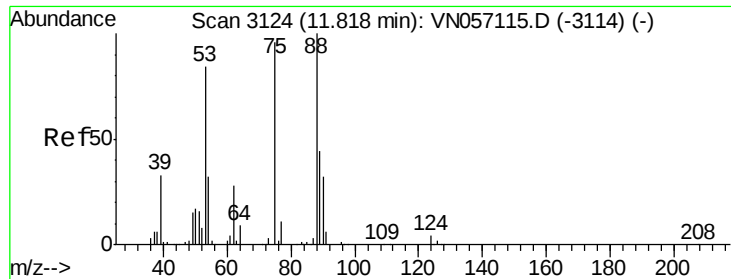
126 24.5 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 97.748 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.10 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampled :

1S-J(1)

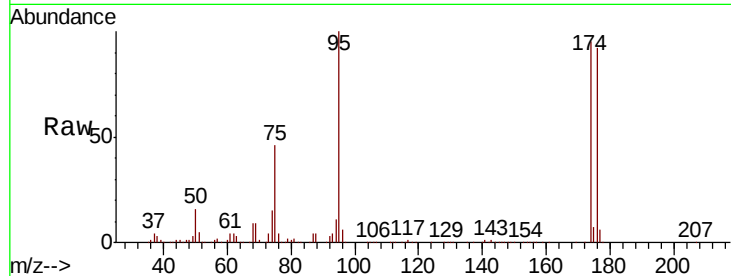
Tgt Ion: 75 Resp: 273907

Ion Ratio Lower Upper

75 100

53 0.0 70.6 106.0#

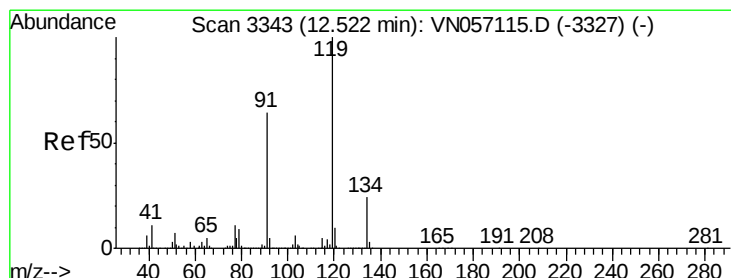
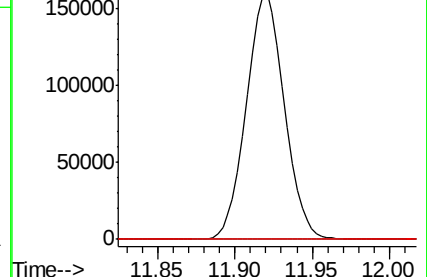
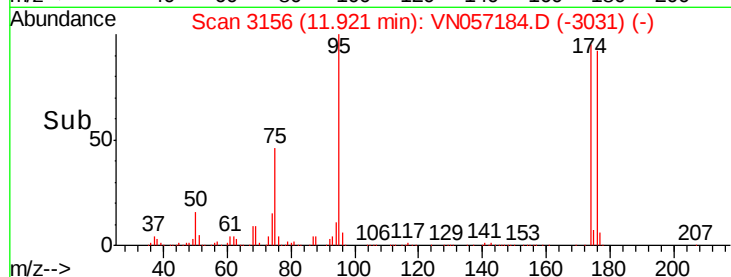
89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VN057115.D (-3114) (-)

Ion 53.00 (52.70 to 53.70): VN057115.D (-3114) (-)

Ion 88.90 (88.60 to 89.60): VN057115.D (-3114) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.01 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

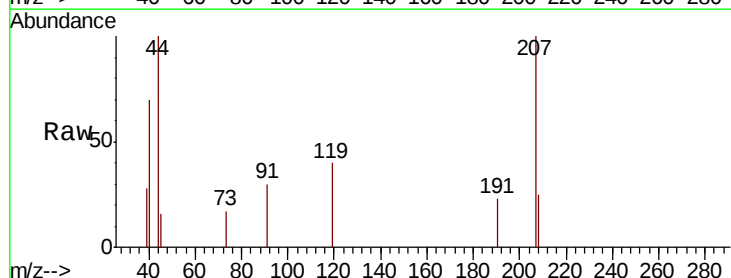
Tgt Ion: 119 Resp: 479

Ion Ratio Lower Upper

119 100

91 41.1 31.4 94.2

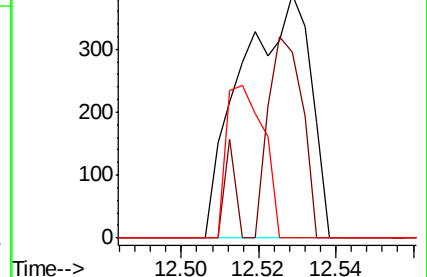
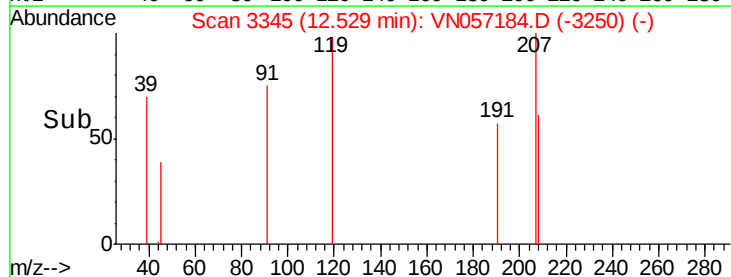
134 0.0 13.2 39.6#

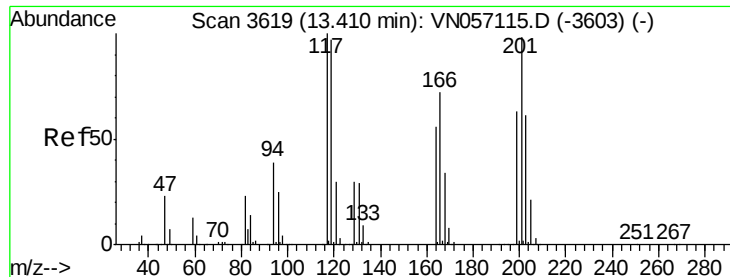


Abundance Ion 119.00 (118.70 to 119.70): VN057115.D (-3327) (-)

Ion 91.00 (90.70 to 91.70): VN057115.D (-3327) (-)

Ion 134.00 (133.70 to 134.70): VN057115.D (-3327) (-)





#90

Hexachloroethane

Concen: Below Cal

RT: 13.58 min Scan# 3673

Delta R.T. 0.17 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

Instrument :

MSVOA\_N

ClientSampleId :

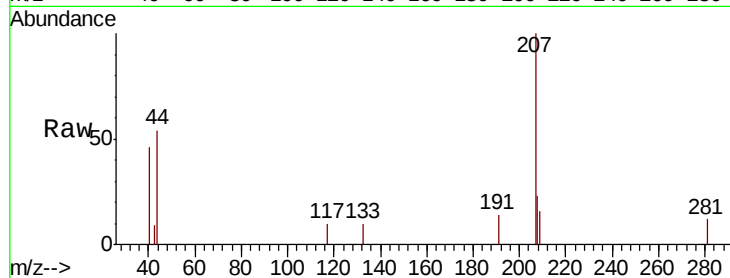
1S-J(1)

Tgt Ion:117 Resp: 32

Ion Ratio Lower Upper

117 100

201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.58

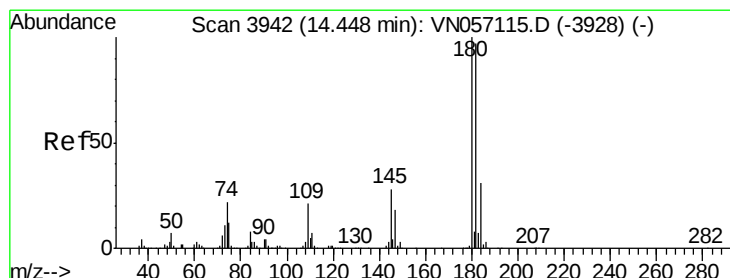
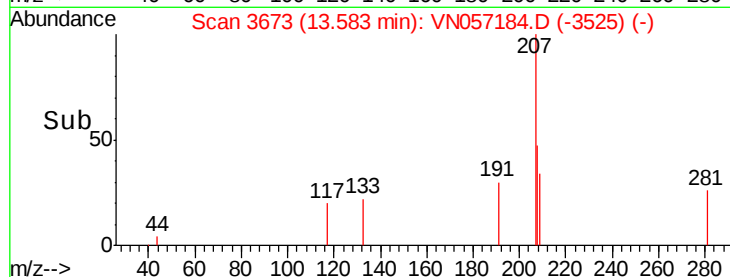
150

100

50

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 6.098 ug/l

RT: 14.45 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN057184.D

Acq: 11 Aug 2019 13:51

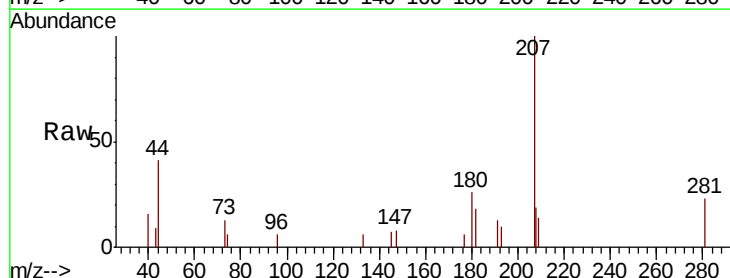
Tgt Ion:180 Resp: 1140

Ion Ratio Lower Upper

180 100

182 71.2 47.5 142.6

145 11.2 14.1 42.2#



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

14.45

1000

800

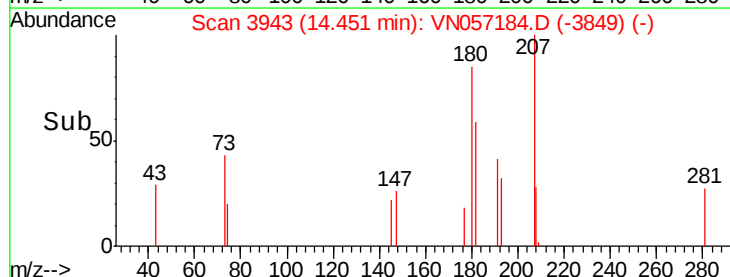
600

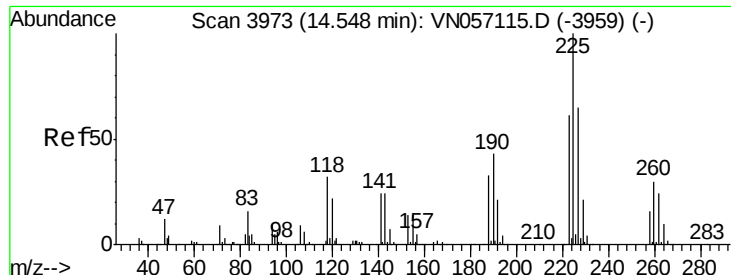
400

200

0

Time-->

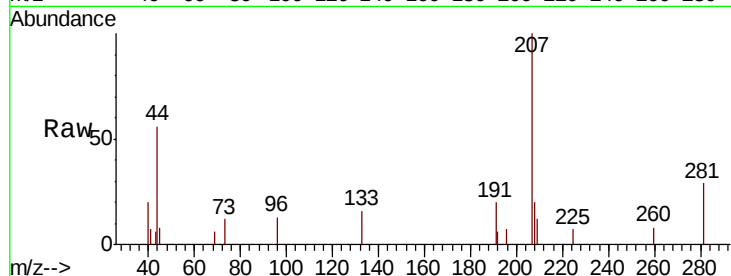




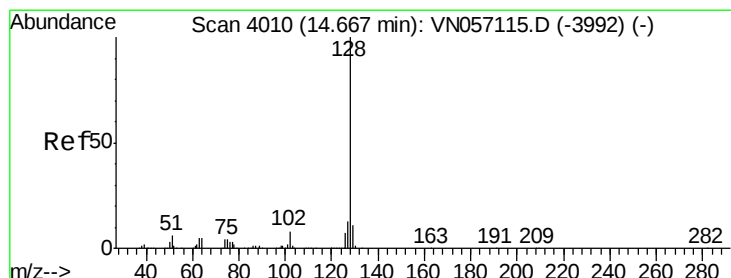
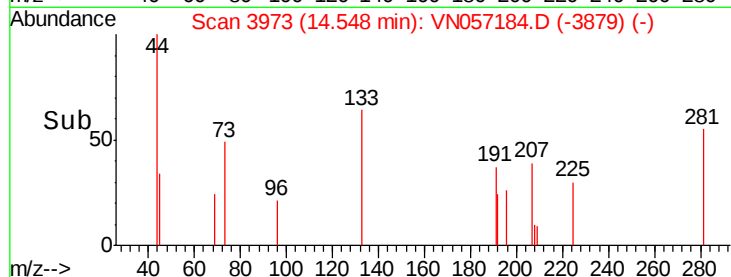
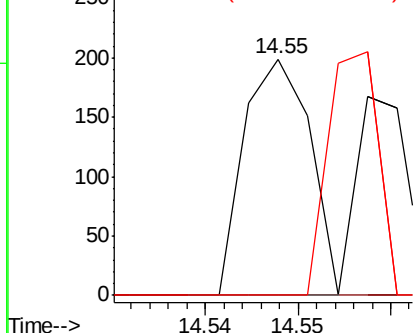
#94  
Hexachlorobutadiene  
Concen: Below Cal  
RT: 14.55 min Scan# 3973  
Delta R.T. 0.00 min  
Lab File: VN057184.D  
Acq: 11 Aug 2019 13:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
1S-J(1)

Tgt Ion: 225 Resp: 99  
Ion Ratio Lower Upper  
225 100  
223 0.0 30.9 92.8#  
227 0.0 32.4 97.0#

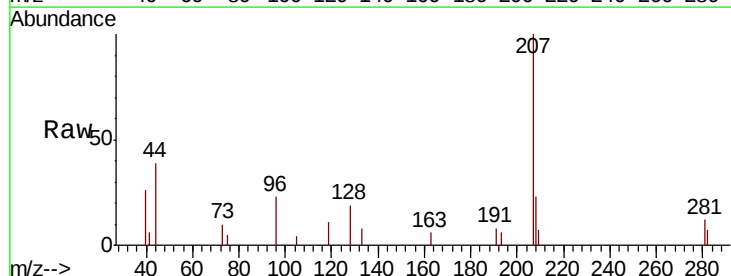


Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V

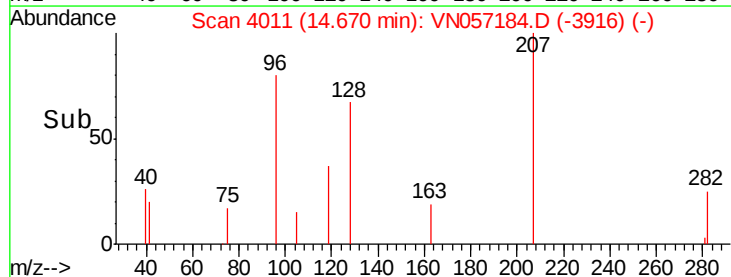
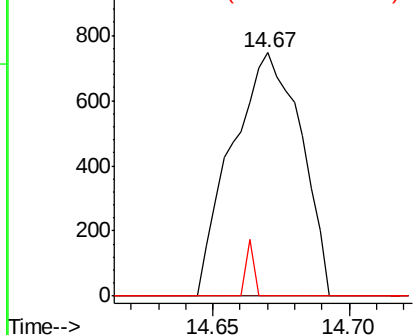


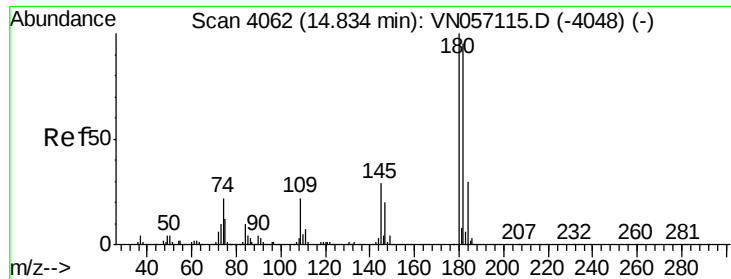
#95  
Naphthalene  
Concen: 2.926 ug/l  
RT: 14.67 min Scan# 4011  
Delta R.T. 0.00 min  
Lab File: VN057184.D  
Acq: 11 Aug 2019 13:51

Tgt Ion: 128 Resp: 1315  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 2.6 8.8 13.2#



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: 5.867 ug/l  
 RT: 14.84 min Scan# 4063  
 Delta R.T. 0.00 min  
 Lab File: VN057184.D  
 Acq: 11 Aug 2019 13:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 1S-J(1)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 116.6 | 48.3  | 144.8 |
| 145     | 15.9  | 14.9  | 44.5  |

