

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\  
 Data File : VN053497.D  
 Acq On : 21 Jan 2019 10:59  
 Operator : JC/SP  
 Sample : K1173-05  
 Misc : 8.61g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 5 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RT-5124

Quant Time: Jan 22 04:03:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 03:10:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 786419   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1216790  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1140136  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 503699   | 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   | 389978   | 50.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.34% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 357078   | 51.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.84% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1502103  | 51.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.30% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 515993   | 50.10 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.20% |          |

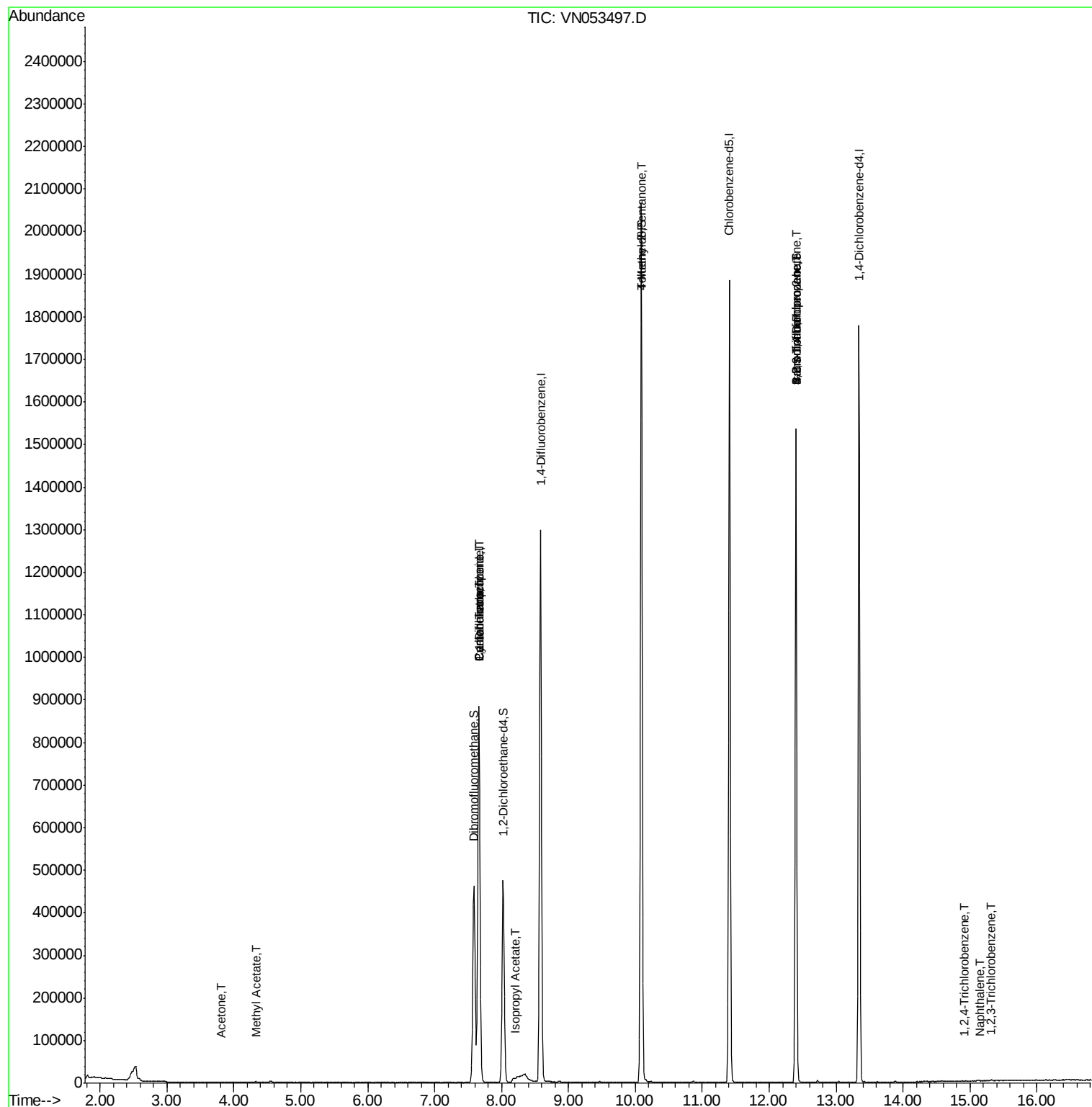
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 16) Acetone                    | 3.81  | 43   | 460      | 0.252  | ug/l # | 41     |
| 18) Methyl Acetate             | 4.32  | 43   | 5285     | 0.860  | ug/l # | 84     |
| 31) Cyclohexane                | 7.66  | 56   | 12745    | 0.713  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 51173    | 4.618  | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 68025    | 6.484  | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.20  | 43   | 11279    | 0.984  | ug/l # | 51     |
| 51) 4-Methyl-2-Pentanone       | 10.09 | 43   | 5863     | 0.937  | ug/l # | 1      |
| 71) Bromoform                  | 12.40 | 173  | 3842     | 0.665  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 239033   | 36.011 | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 239033   | 89.051 | ug/l # | 15     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 345      | 2.813  | ug/l # | 72     |
| 95) Naphthalene                | 15.14 | 128  | 1258     | 4.034  | ug/l # | 69     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 450      | 3.986  | ug/l # | 81     |

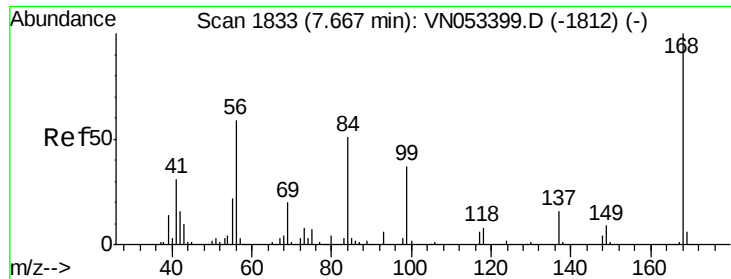
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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ClientSampleId :  
RT-5124

Quant Time: Jan 22 04:03:07 2019  
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Quant Title : SW846 8260  
QLast Update : Wed Jan 16 03:10:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN053497.D

Acq: 21 Jan 2019 10:59

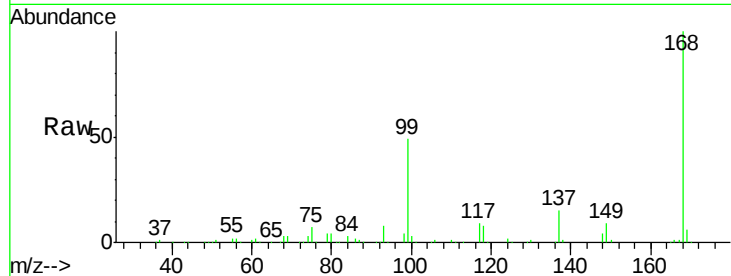
Instrument :  
MSVOA\_N  
ClientSampled :  
RT-5124

Tot Ion:168 Resp: 786419

Ion Ratio Lower Upper

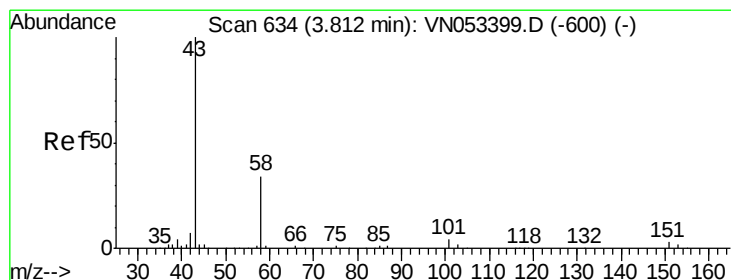
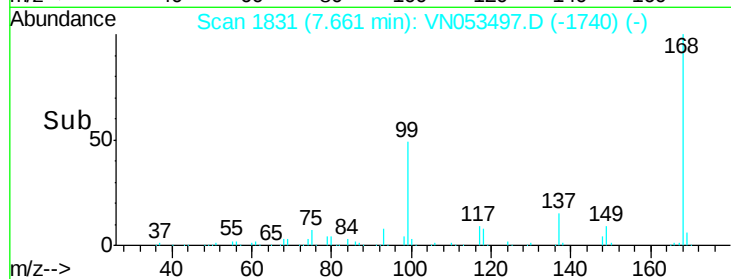
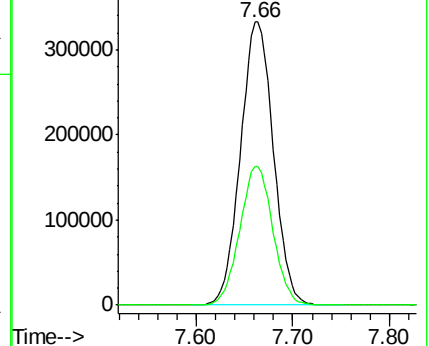
168 100

99 48.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 0.252 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053497.D

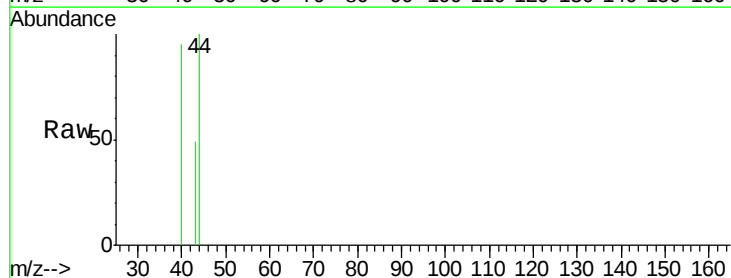
Acq: 21 Jan 2019 10:59

Tgt Ion: 43 Resp: 460

Ion Ratio Lower Upper

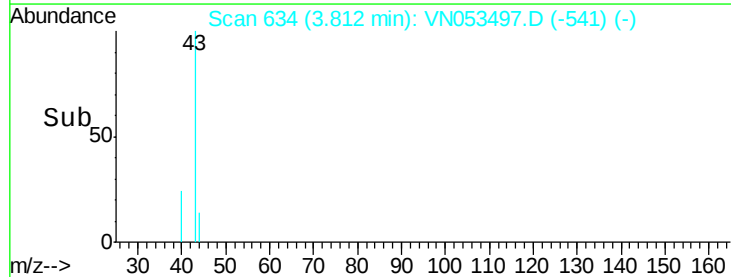
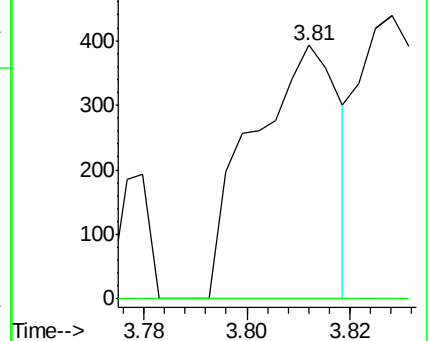
43 100

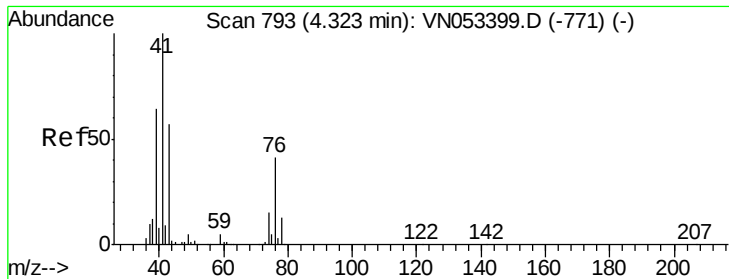
58 0.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

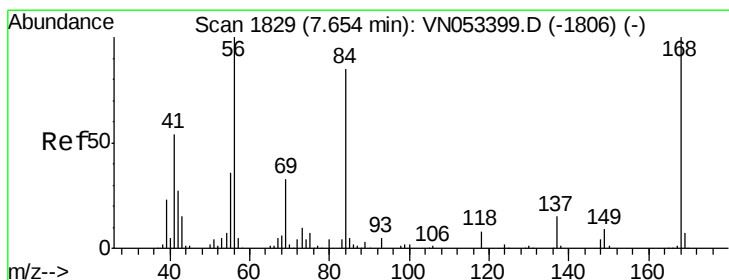
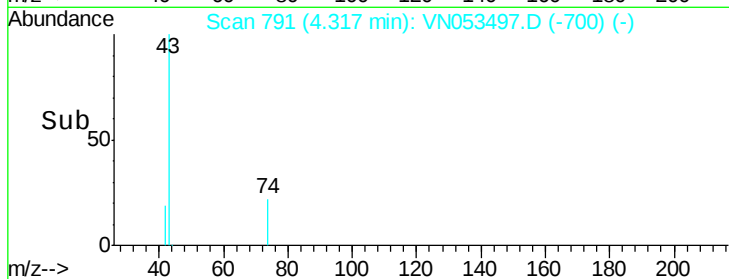
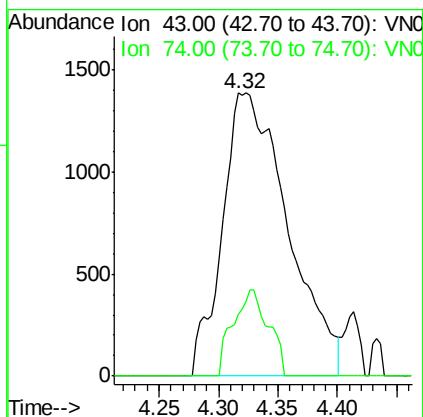
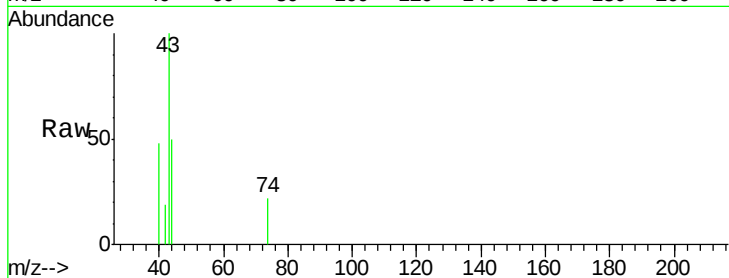




#18  
Methvl Acetate  
Concen: 0.860 ug/l  
RT: 4.32 min Scan# 791  
Delta R.T. -0.01 min  
Lab File: VN053497.D  
Acq: 21 Jan 2019 10:59

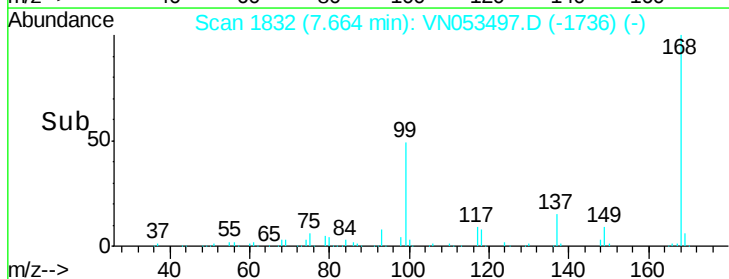
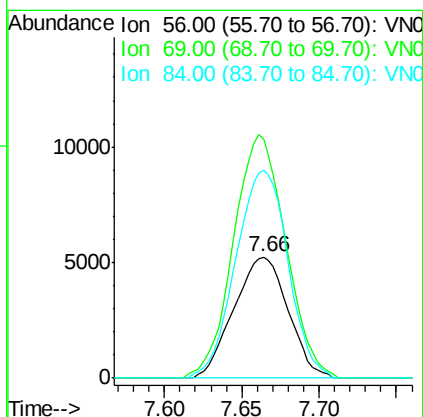
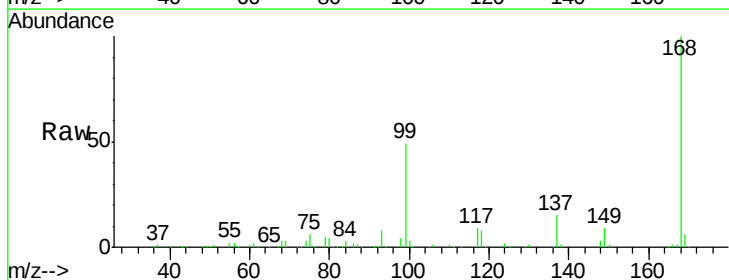
Instrument :  
MSVOA\_N  
ClientSampleId :  
RT-5124

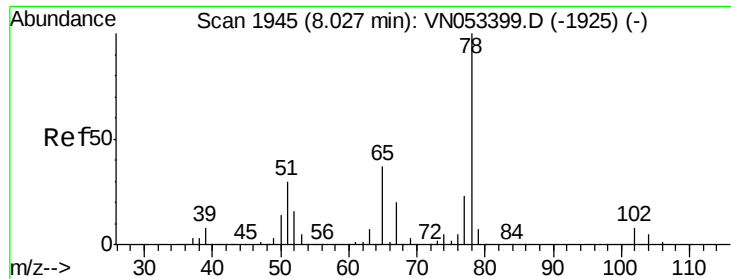
Tot Ion: 43 Resp: 5285  
Ion Ratio Lower Upper  
43 100  
74 16.4 19.4 29.2#



#31  
Cyclohexane  
Concen: 0.713 ug/l  
RT: 7.66 min Scan# 1832  
Delta R.T. 0.01 min  
Lab File: VN053497.D  
Acq: 21 Jan 2019 10:59

Tgt Ion: 56 Resp: 12745  
Ion Ratio Lower Upper  
56 100  
69 197.7 26.4 39.6#  
84 172.1 67.9 101.9#

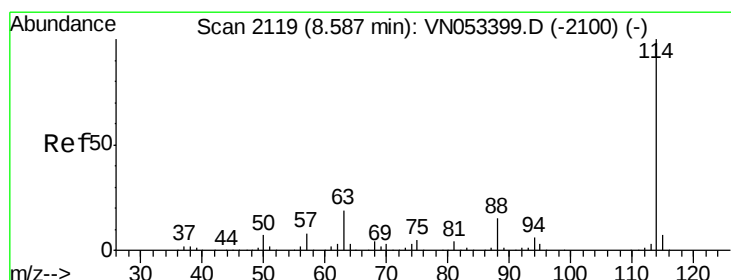
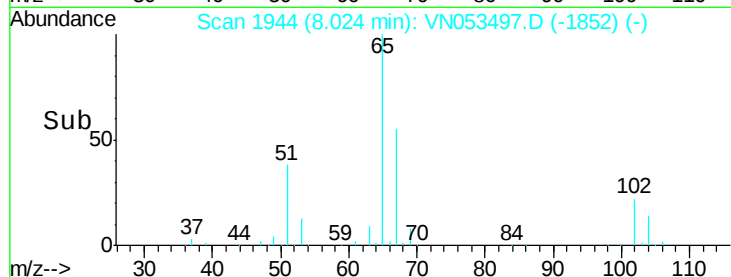
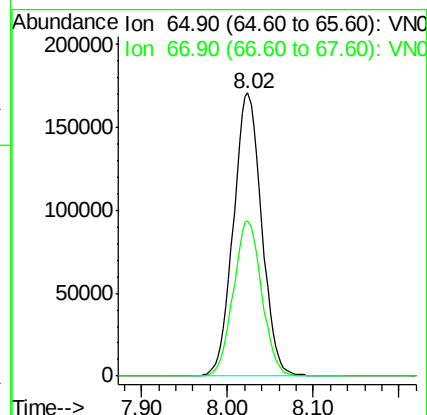
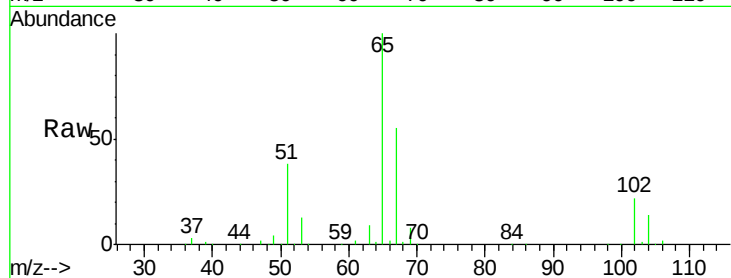




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN053497.D  
 Acq: 21 Jan 2019 10:59

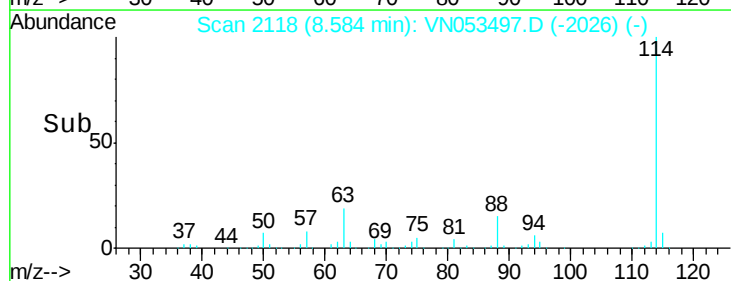
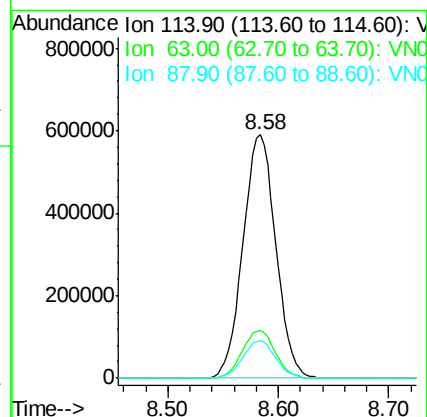
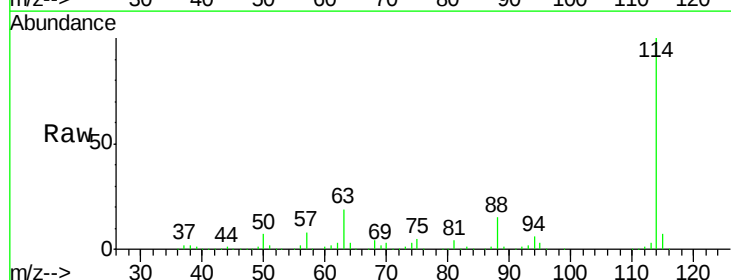
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RT-5124

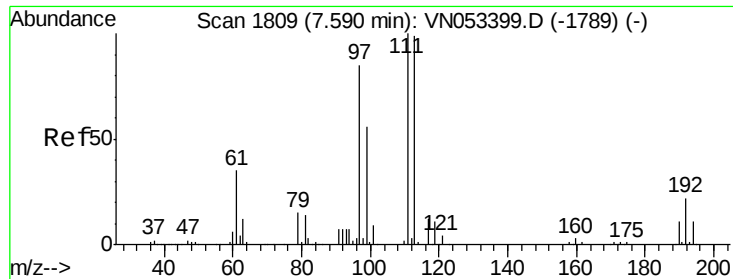
Tot Ion: 65 Resp: 389978  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 111.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN053497.D  
 Acq: 21 Jan 2019 10:59

Tgt Ion: 114 Resp: 1216790  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 38.6  
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN053497.D

Acq: 21 Jan 2019 10:59

Instrument :

MSVOA\_N

ClientSampleId :

RT-5124

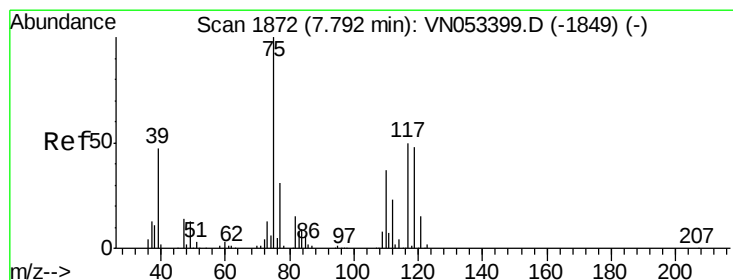
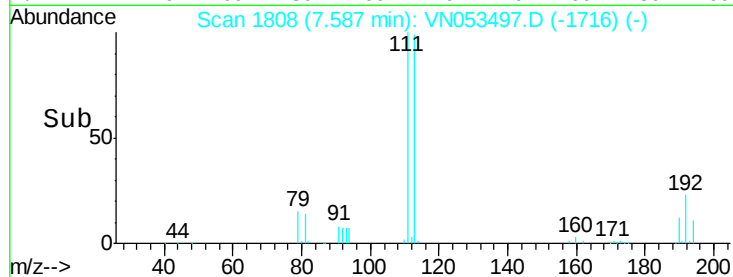
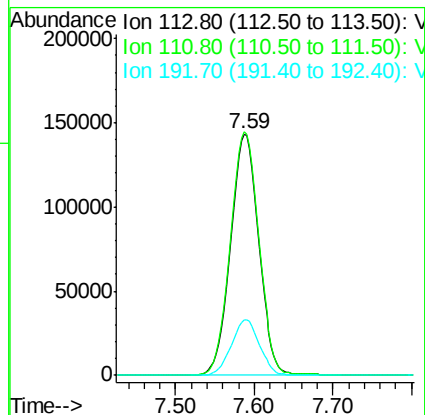
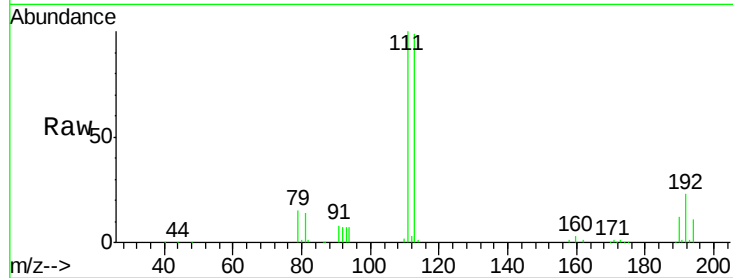
Tot Ion:113 Resp: 357078

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

192 22.9 18.2 27.2



#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN053497.D

Acq: 21 Jan 2019 10:59

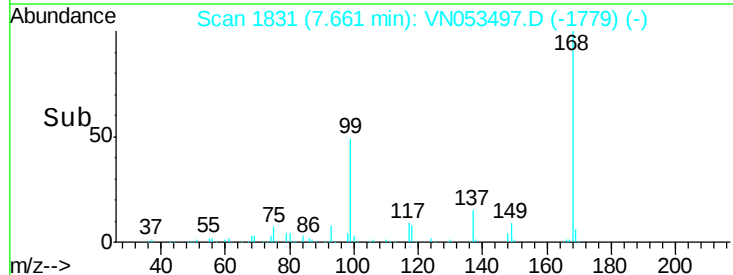
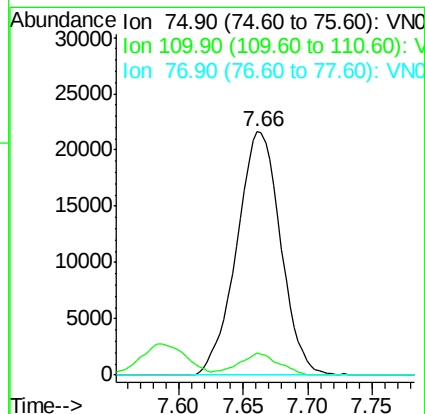
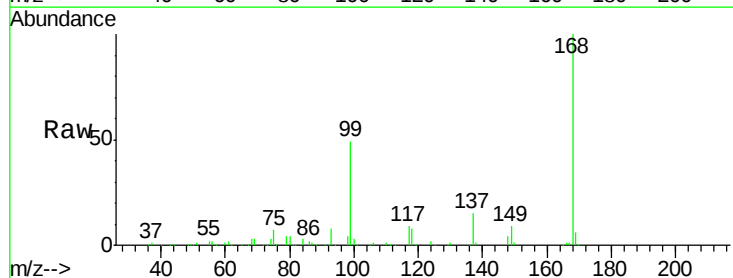
Tgt Ion: 75 Resp: 51173

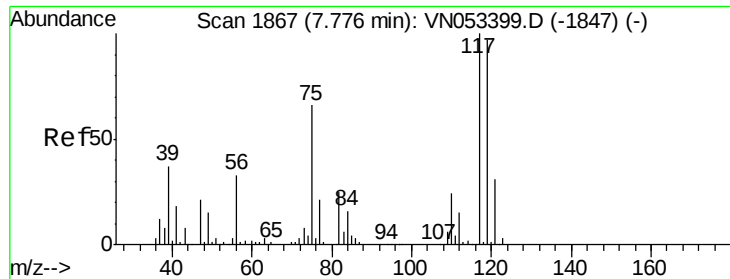
Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.3#

77 0.0 25.1 37.7#

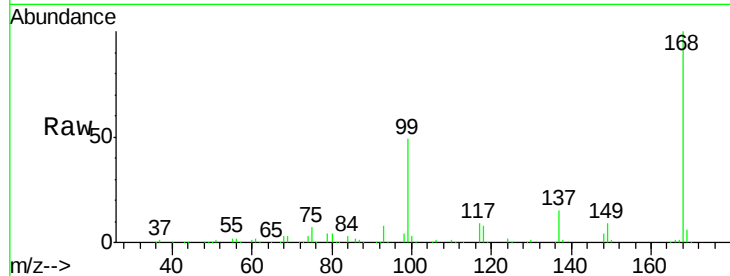




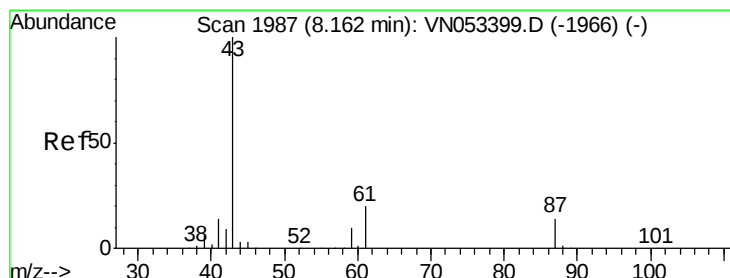
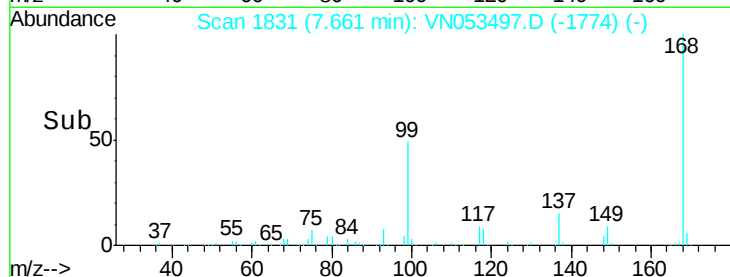
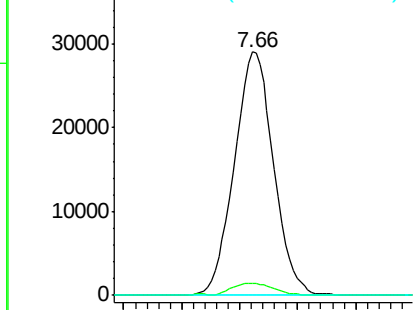
#38  
 Carbon Tetrachloride  
 Concen: 6.484 ug/l  
 RT: 7.66 min Scan# 1831  
 Delta R.T. -0.12 min  
 Lab File: VN053497.D  
 Acq: 21 Jan 2019 10:59

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 RT-5124

Tot Ion: 117 Resp: 68025  
 Ion Ratio Lower Upper  
 117 100  
 119 5.1 77.2 115.8#  
 121 0.0 24.6 37.0#

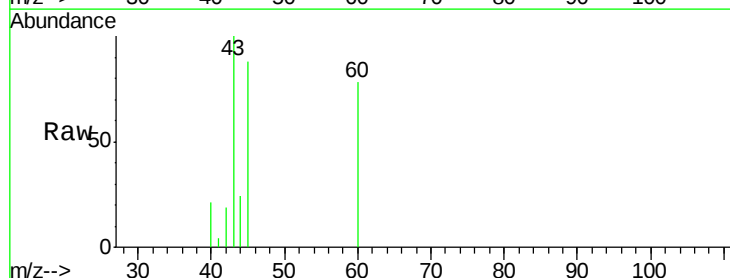


Abundance Ion 116.80 (116.50 to 117.50): V  
 Ion 118.80 (118.50 to 119.50): V  
 Ion 120.80 (120.50 to 121.50): V

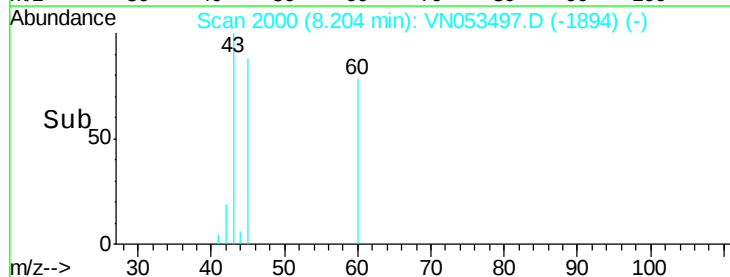
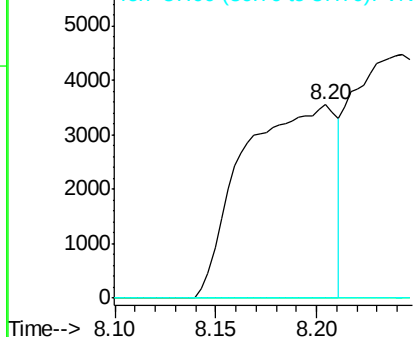


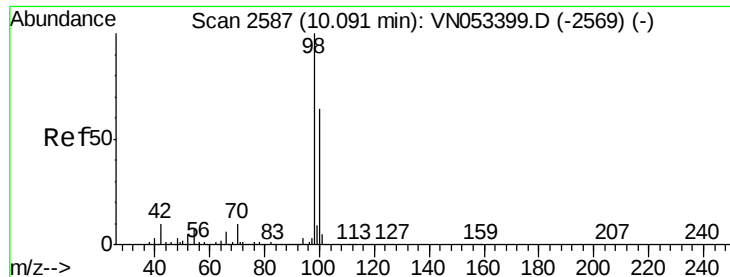
#43  
 Isopropyl Acetate  
 Concen: 0.984 ug/l  
 RT: 8.20 min Scan# 2000  
 Delta R.T. 0.04 min  
 Lab File: VN053497.D  
 Acq: 21 Jan 2019 10:59

Tgt Ion: 43 Resp: 11279  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 23.9 35.9#  
 87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO  
 Ion 61.00 (60.70 to 61.70): VNO  
 Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053497.D

Acq: 21 Jan 2019 10:59

Instrument :

MSVOA\_N

ClientSampleId :

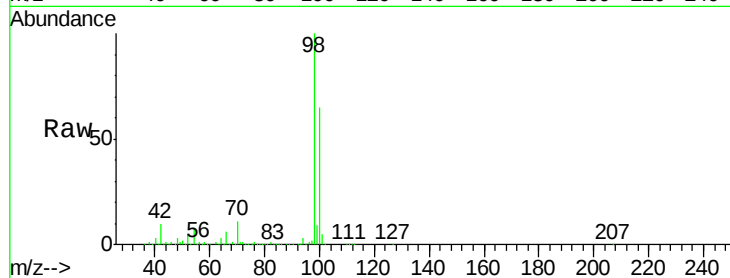
RT-5124

Tot Ion: 98 Resp: 1502103

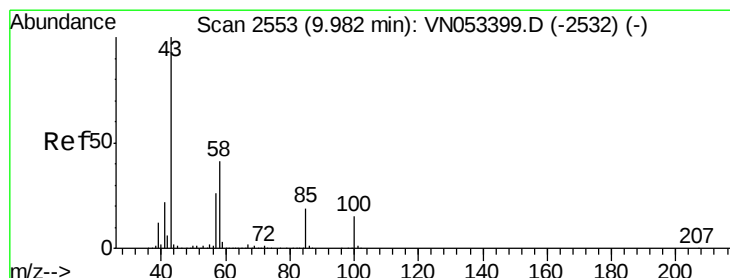
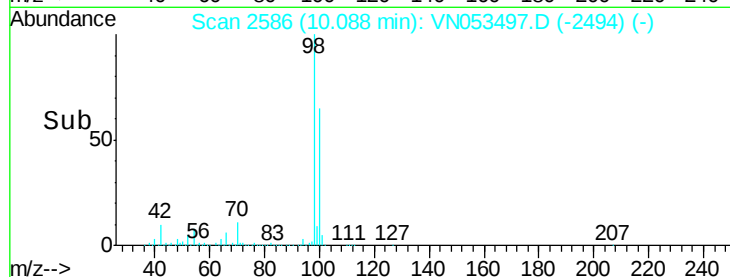
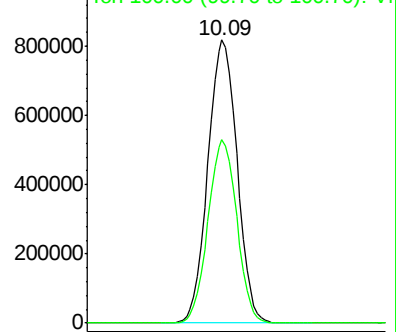
Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.937 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN053497.D

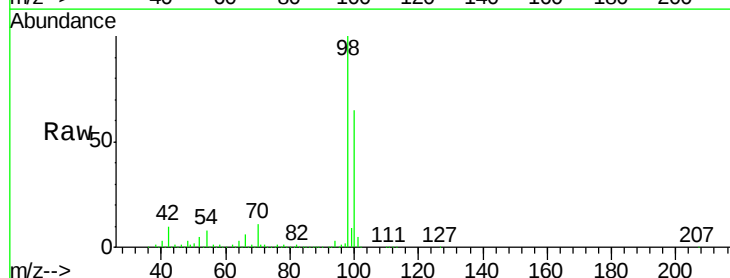
Acq: 21 Jan 2019 10:59

Tgt Ion: 43 Resp: 5863

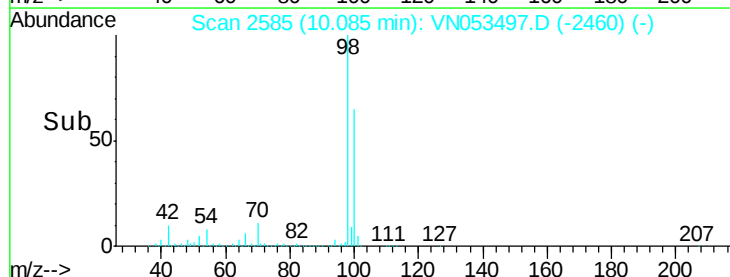
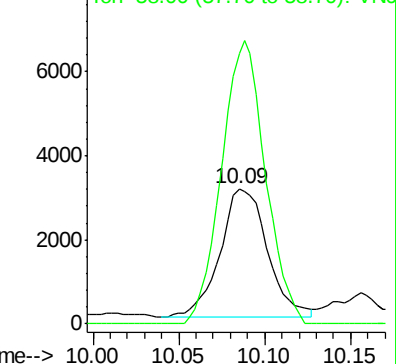
Ion Ratio Lower Upper

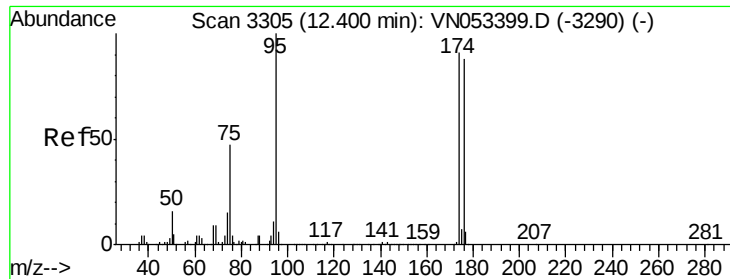
43 100

58 202.5 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-2532) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053497.D

Acq: 21 Jan 2019 10:59

Instrument :

MSVOA\_N

ClientSampled :

RT-5124

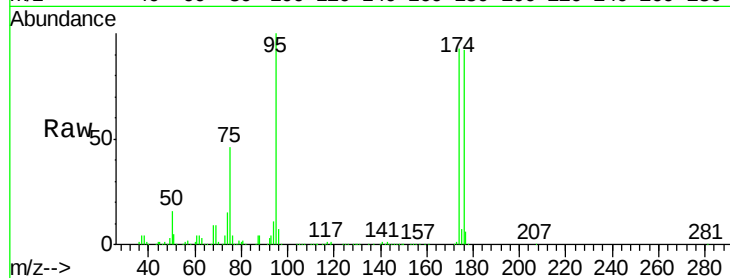
Tot Ion: 95 Resp: 515993

Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.2

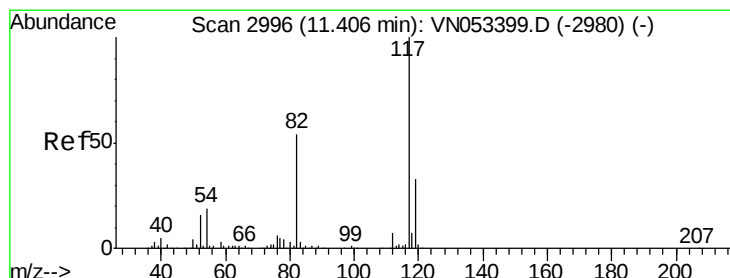
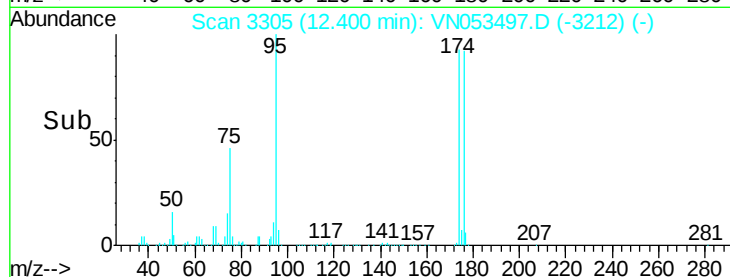
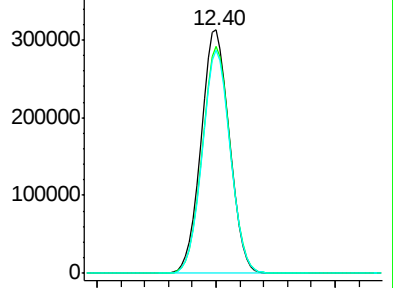
176 90.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053497.D

Acq: 21 Jan 2019 10:59

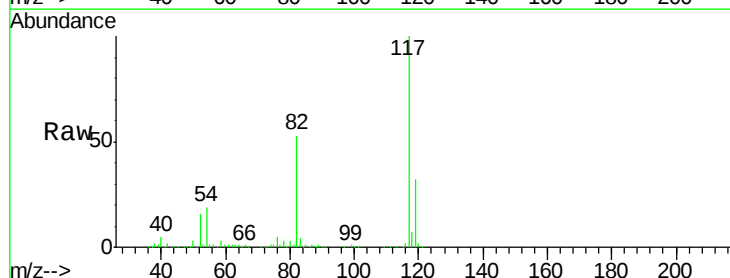
Tgt Ion: 117 Resp: 1140136

Ion Ratio Lower Upper

117 100

82 53.0 42.9 64.3

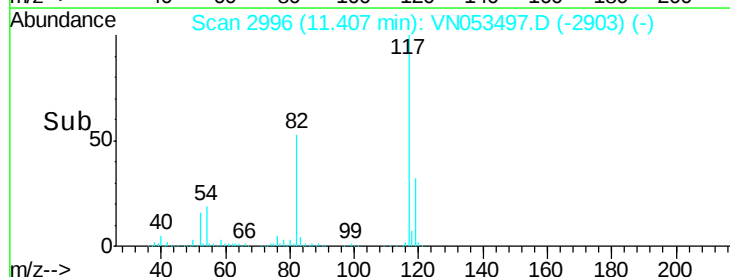
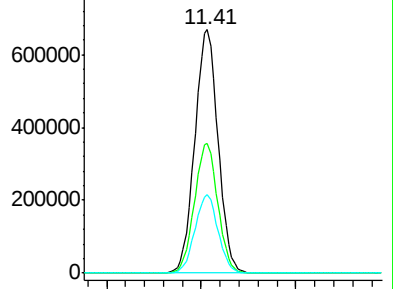
119 32.0 26.0 39.0

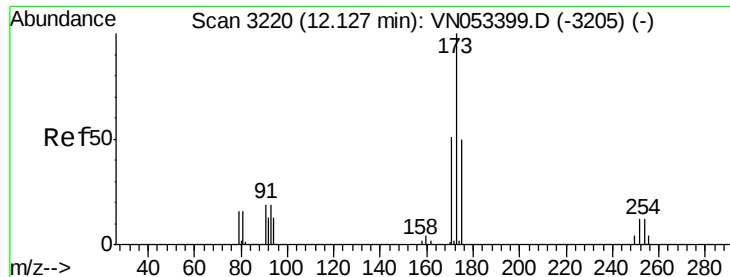


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)





#71

Bromoform

Concen: 0.665 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053497.D

Acq: 21 Jan 2019 10:59

Instrument :

MSVOA\_N

ClientSampled :

RT-5124

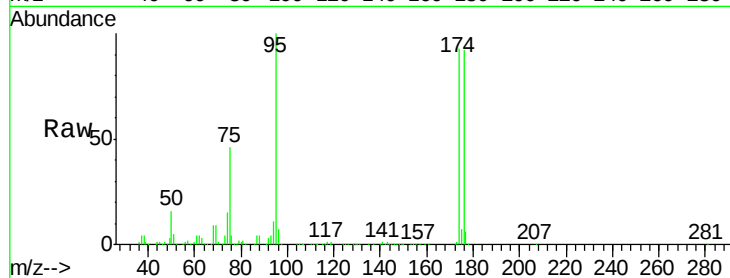
Tot Ion:173 Resp: 3842

Ion Ratio Lower Upper

173 100

175 805.0 24.6 74.0#

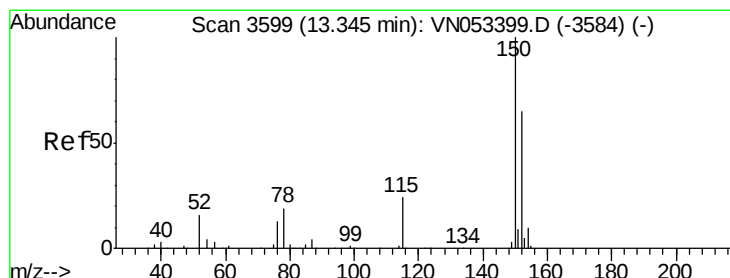
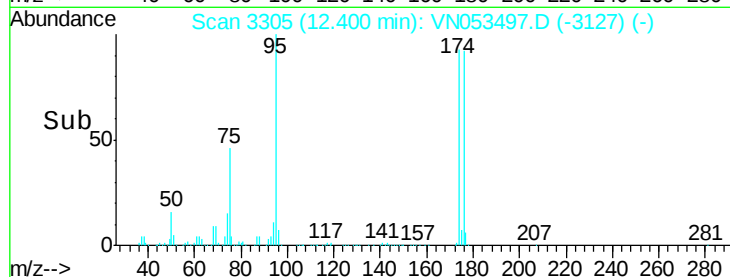
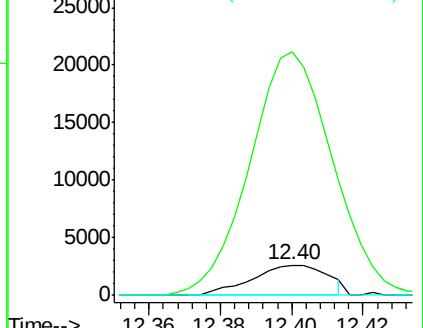
254 0.0 0.2 0.2#



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: VN053497.D

Acq: 21 Jan 2019 10:59

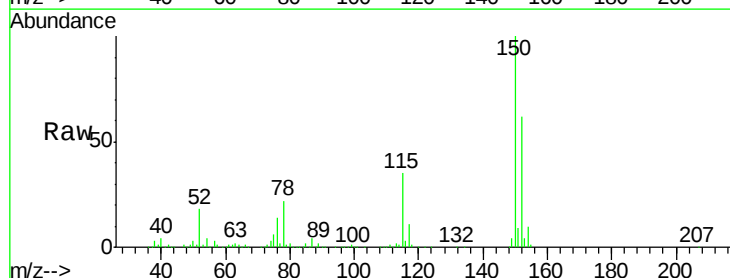
Tgt Ion:152 Resp: 503699

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.4

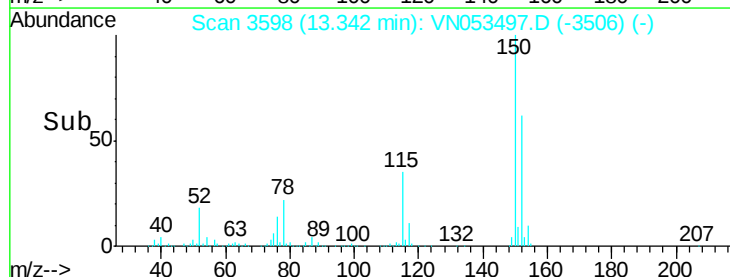
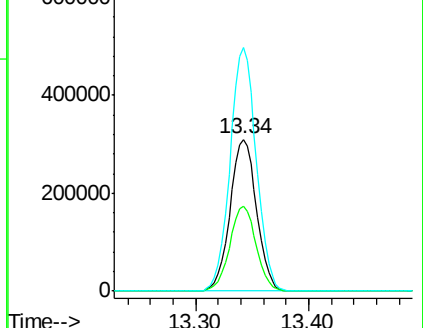
150 158.8 0.0 349.0

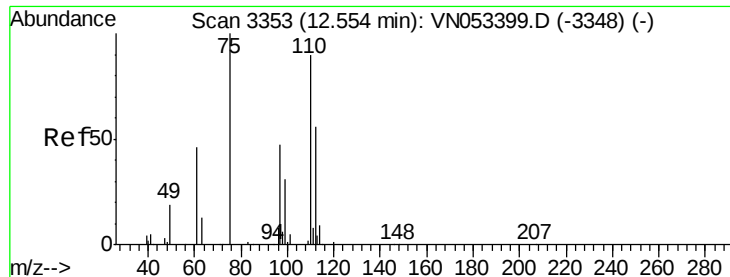


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.011 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053497.D

Acq: 21 Jan 2019 10:59

Instrument :

MSVOA\_N

ClientSampleId :

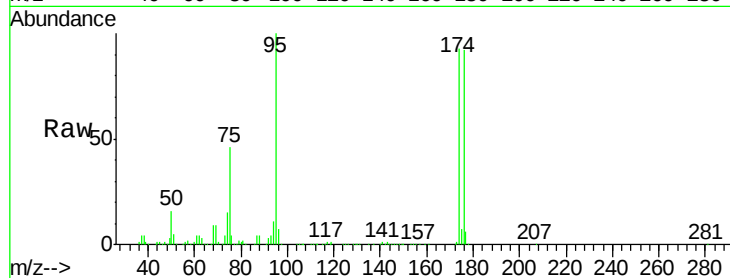
RT-5124

Tot Ion: 75 Resp: 239033

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

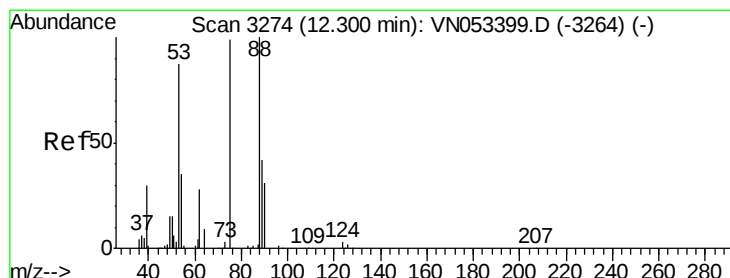
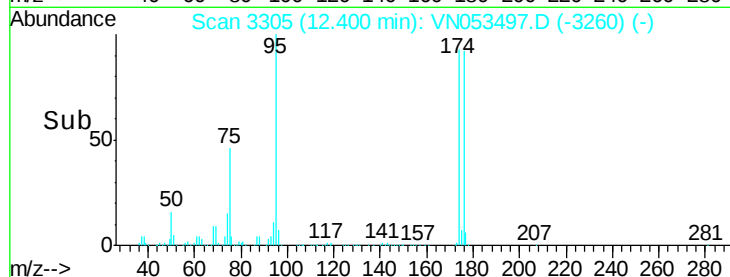
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 89.051 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053497.D

Acq: 21 Jan 2019 10:59

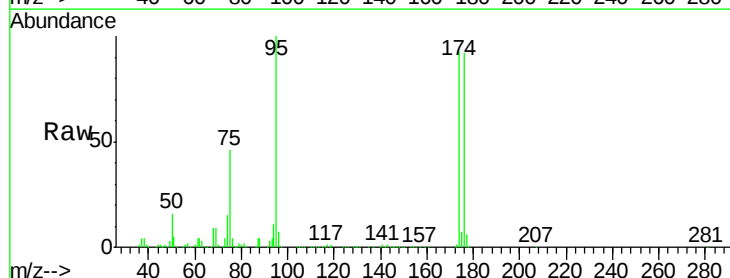
Tgt Ion: 75 Resp: 239033

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

200000

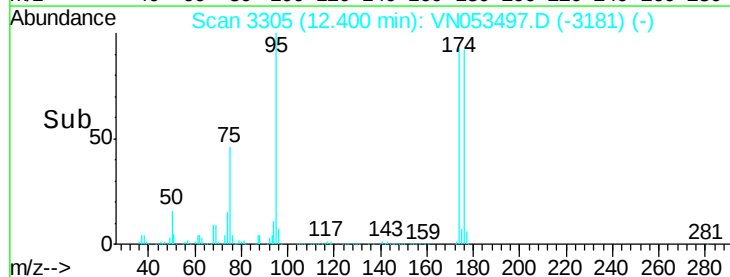
150000

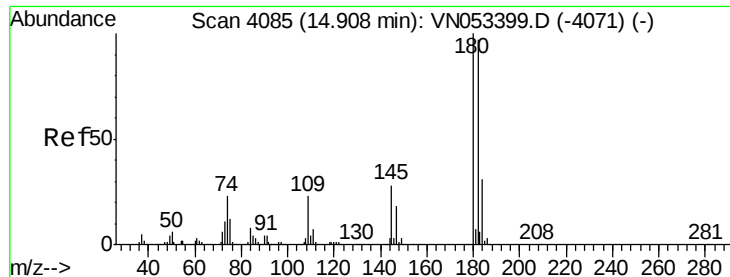
100000

50000

0

Time-->

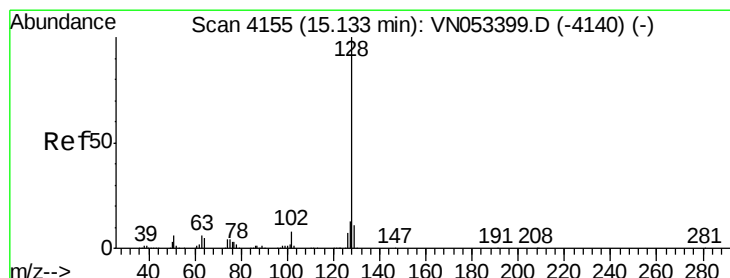
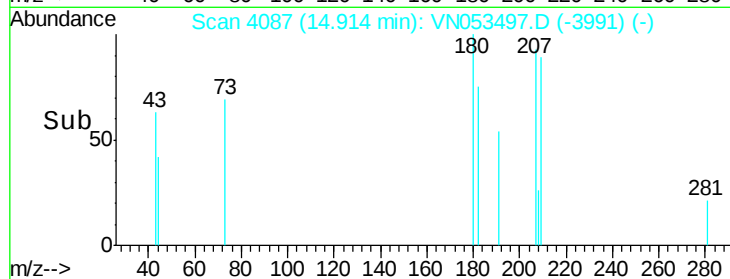
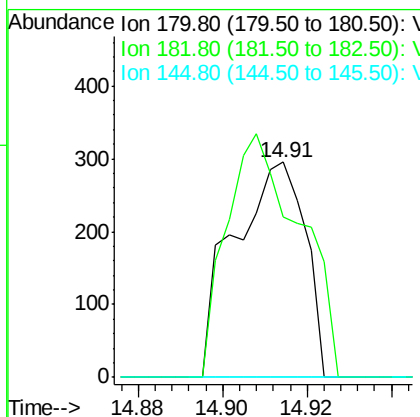
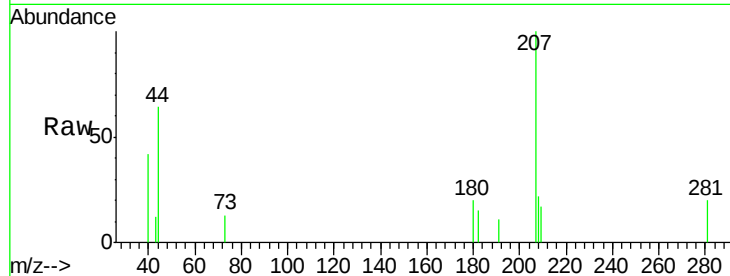




#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.813 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. 0.01 min  
 Lab File: VN053497.D  
 Acq: 21 Jan 2019 10:59

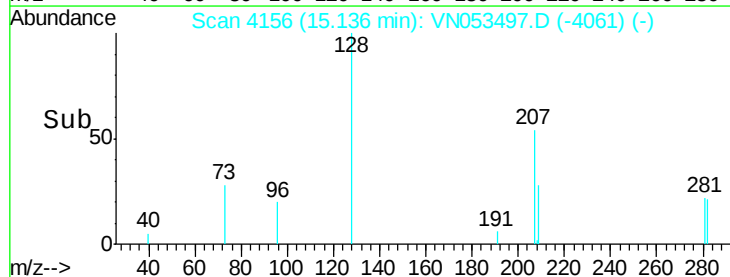
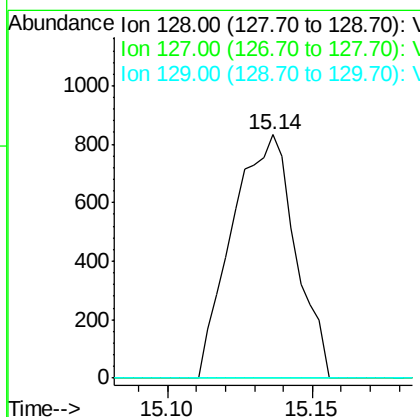
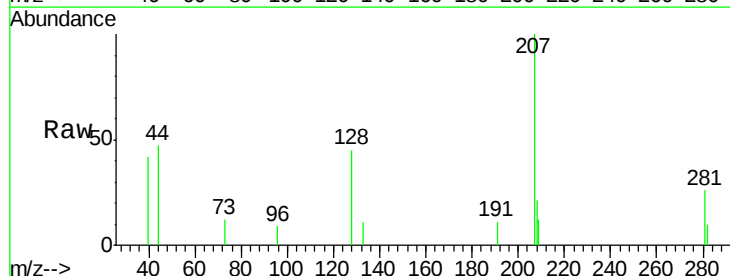
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 RT-5124

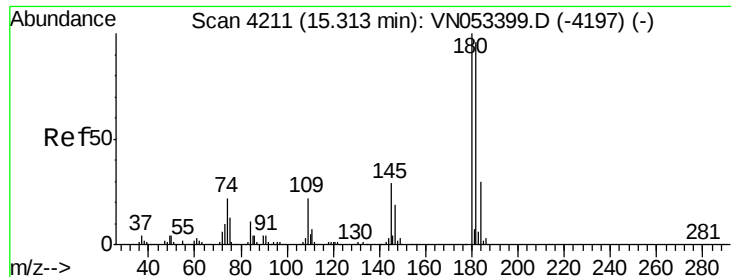
Tot Ion:180 Resp: 345  
 Ion Ratio Lower Upper  
 180 100  
 182 117.1 48.1 144.3  
 145 0.0 13.9 41.6#



#95  
 Naphthalene  
 Concen: 4.034 ug/l  
 RT: 15.14 min Scan# 4156  
 Delta R.T. 0.00 min  
 Lab File: VN053497.D  
 Acq: 21 Jan 2019 10:59

Tgt Ion:128 Resp: 1258  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.3 15.5#  
 129 0.0 8.6 13.0#

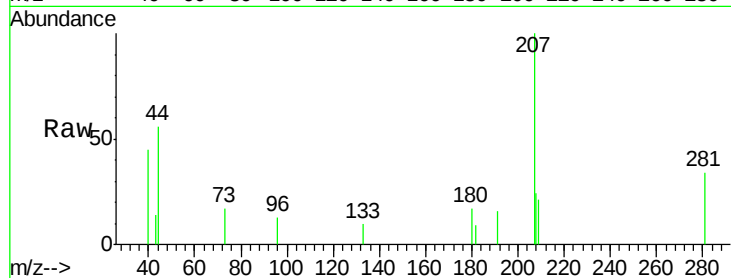




#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.986 ug/l  
 RT: 15.31 min Scan# 4209  
 Delta R.T. -0.01 min  
 Lab File: VN053497.D  
 Acq: 21 Jan 2019 10:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RT-5124

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 84.4  | 47.9  | 143.8 |
| 145     | 6.9   | 14.7  | 44.1  |



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

