

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\  
 Data File : VN053418.D  
 Acq On : 16 Jan 2019 12:07  
 Operator : JC/SP  
 Sample : PB116405ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116405ZHE#01

Quant Time: Jan 17 03:54:58 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      | 7.67  | 168  | 935341   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1444427  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1384829  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 591206   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 471160   | 50.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.92% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 420937   | 51.06 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.12% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1835130  | 52.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.28% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 627532   | 51.33 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.66% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 13) Acrolein                   | 3.62  | 56   | 159      | 22.901 | ug/l # | 58     |
| 16) Acetone                    | 3.82  | 43   | 17032    | 7.852  | ug/l   | 98     |
| 20) Methylene Chloride         | 4.55  | 84   | 41736    | 4.215  | ug/l   | 97     |
| 25) 2-Butanone                 | 6.84  | 43   | 893      | 0.267  | ug/l   | 95     |
| 29) Tetrahydrofuran            | 7.21  | 42   | 464      | 0.213  | ug/l # | 59     |
| 31) Cyclohexane                | 7.67  | 56   | 15569    | 0.738  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 61407    | 4.668  | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 79751    | 6.404  | ug/l # | 16     |
| 41) Methacrylonitrile          | 7.20  | 41   | 296      | 0.732  | ug/l # | 20     |
| 43) Isopropyl Acetate          | 8.16  | 43   | 39952    | 2.936  | ug/l # | 85     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 2728     | 0.258  | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.18  | 41   | 13717    | 1.952  | ug/l # | 12     |
| 49) 1,4-Dioxane                | 9.26  | 88   | 64       | 0.933  | ug/l # | 23     |
| 51) 4-Methyl-2-Pentanone       | 10.03 | 43   | 15732    | 2.118  | ug/l # | 34     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 105656   | 6.951  | ug/l # | 62     |
| 56) Ethyl methacrylate         | 10.54 | 69   | 1690     | 2.191  | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 21252    | 1.436  | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.76 | 43   | 284680   | 54.589 | ug/l # | 49     |
| 71) Bromoform                  | 12.40 | 173  | 3955     | 0.563  | ug/l # | 1      |
| 74) N-amyl acetate             | 11.88 | 43   | 35240    | 3.053  | ug/l # | 52     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 294330   | 37.778 | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 10070    | 0.286  | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 294330   | 93.297 | ug/l # | 15     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 1561     | 2.947  | ug/l   | 92     |
| 95) Naphthalene                | 15.14 | 128  | 2961     | 4.130  | ug/l # | 71     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 1861     | 4.192  | ug/l   | 83     |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

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MSVOA\_N

ClientSampleId :

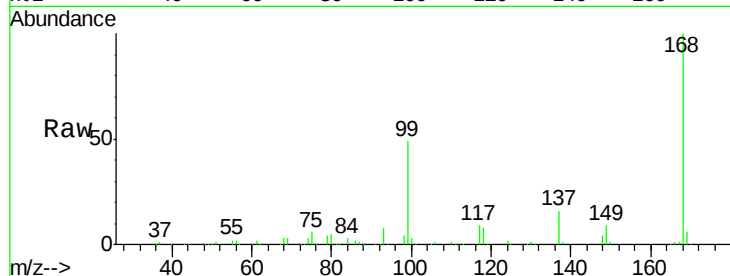
PB116405ZHE#01

Tot Ion:168 Resp: 935341

Ion Ratio Lower Upper

168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.67

400000

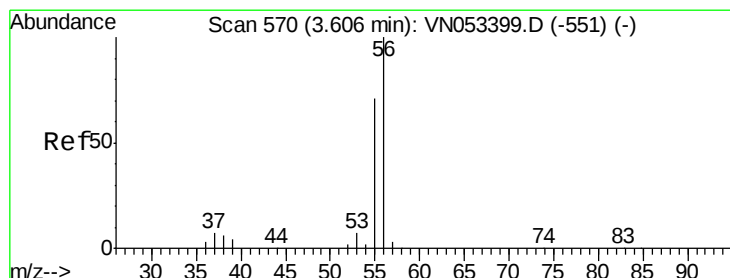
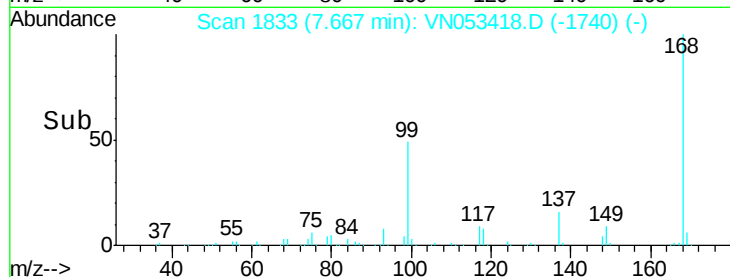
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 22.901 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN053418.D

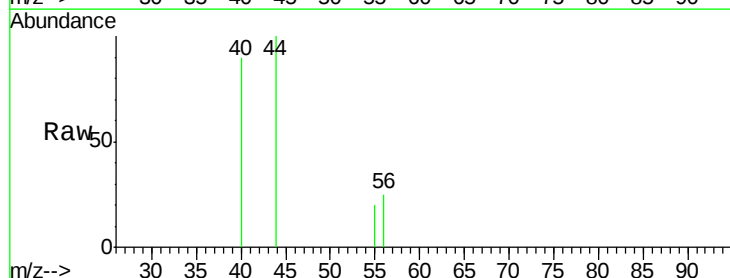
Acq: 16 Jan 2019 12:07

Tgt Ion: 56 Resp: 159

Ion Ratio Lower Upper

56 100

55 106.3 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN053399.D (-551) (-)

3.62

300

250

200

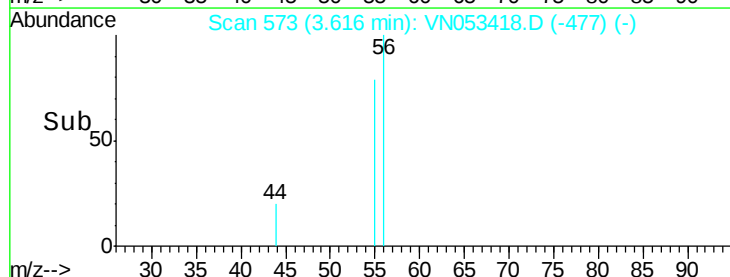
150

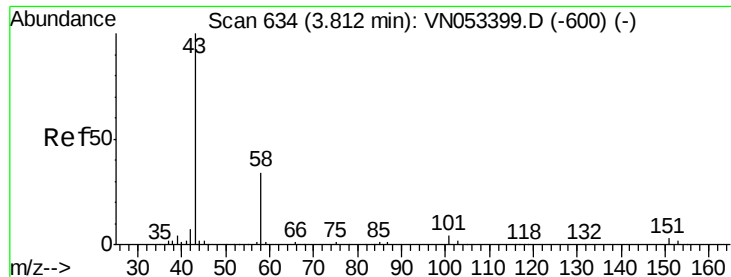
100

50

0

Time-->





#16

Acetone

Concen: 7.852 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA\_N

ClientSampleId :

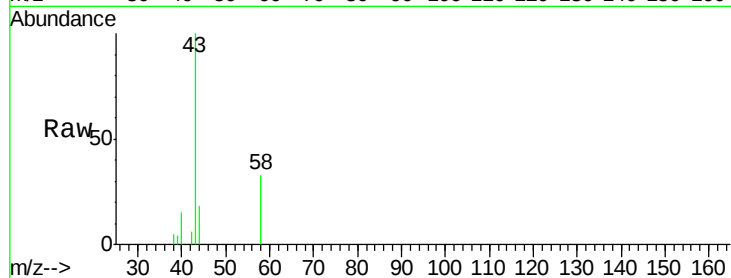
PB116405ZHE#01

Tot Ion: 43 Resp: 17032

Ion Ratio Lower Upper

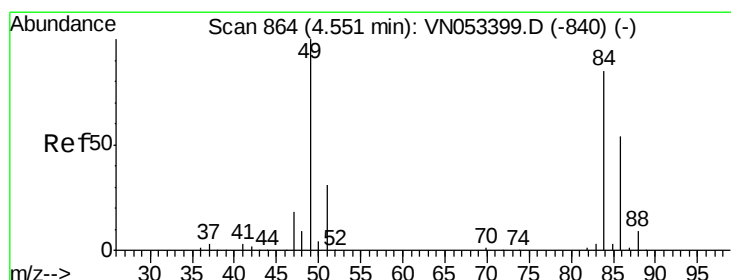
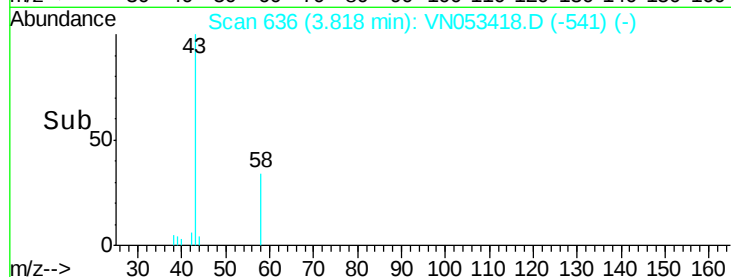
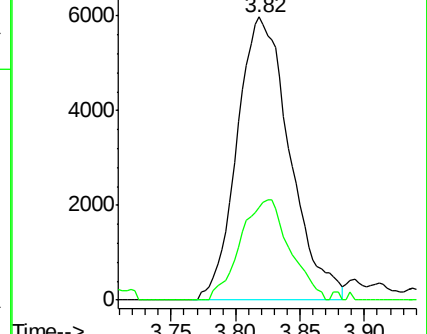
43 100

58 32.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 4.215 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Tgt Ion: 84 Resp: 41736

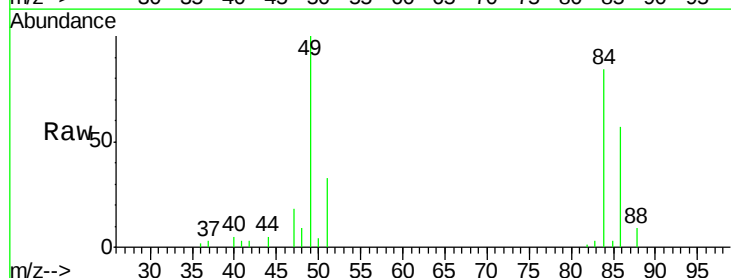
Ion Ratio Lower Upper

84 100

49 118.9 94.3 141.5

51 39.0 29.4 44.2

86 68.1 51.4 77.0

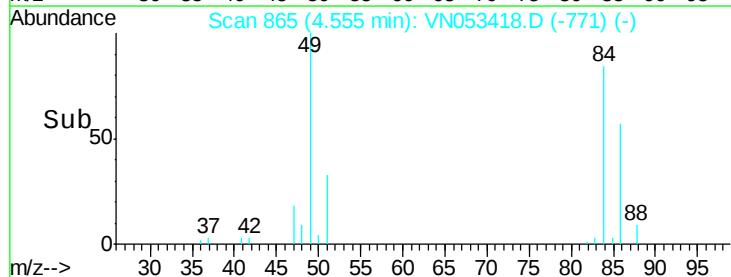
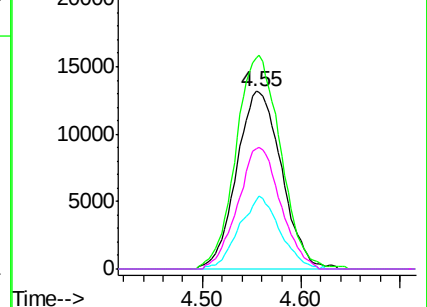


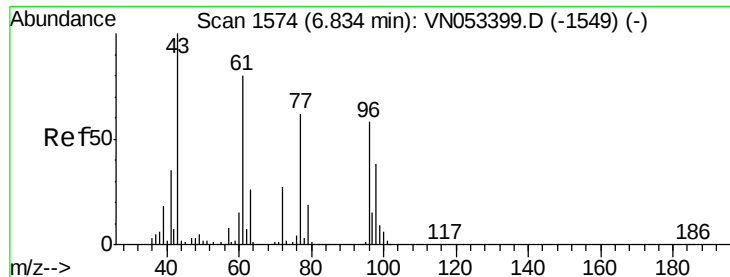
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

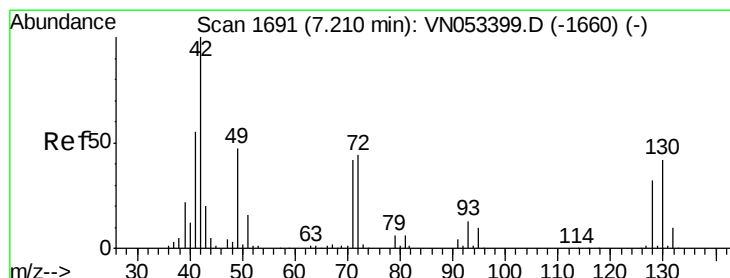
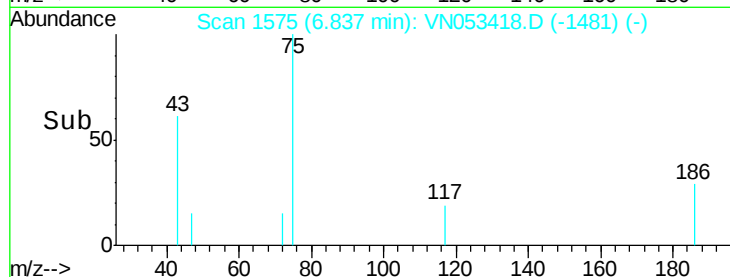
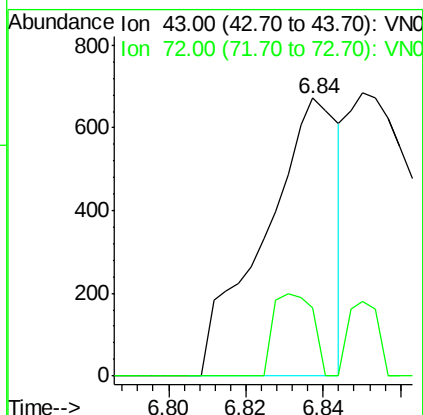
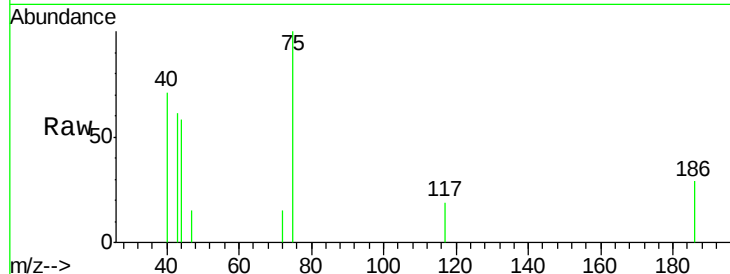




#25  
 2-Butanone  
 Concen: 0.267 ug/l  
 RT: 6.84 min Scan# 1575  
 Delta R.T. 0.00 min  
 Lab File: VN053418.D  
 Acq: 16 Jan 2019 12:07

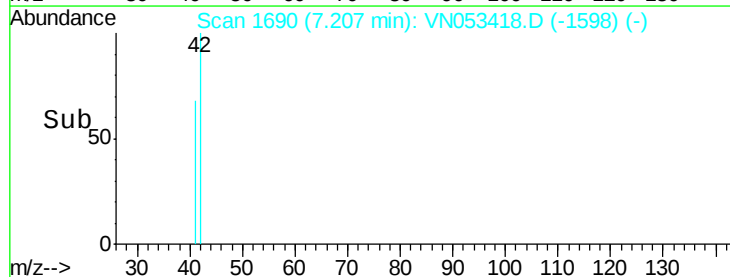
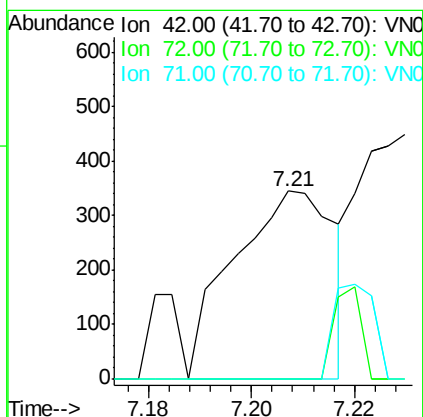
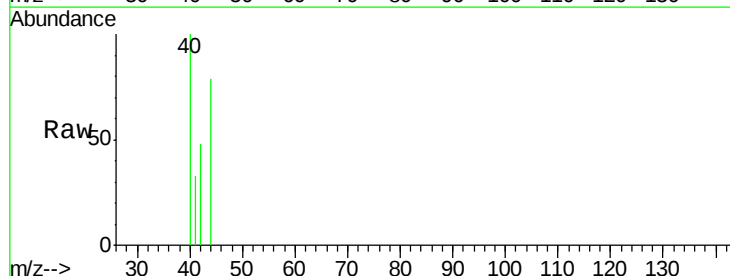
Instrument :  
 MSVOA\_N  
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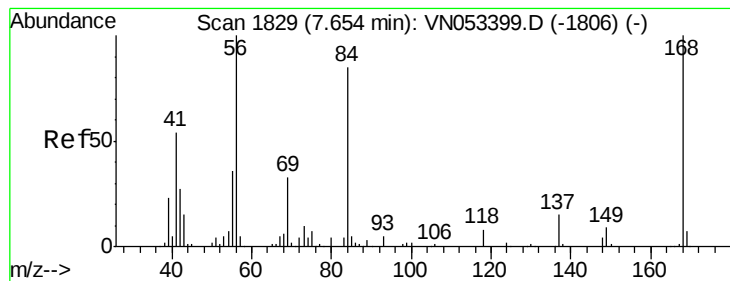
Tot Ion: 43 Resp: 893  
 Ion Ratio Lower Upper  
 43 100  
 72 24.7 22.0 33.0



#29  
 Tetrahydrofuran  
 Concen: 0.213 ug/l  
 RT: 7.21 min Scan# 1690  
 Delta R.T. -0.00 min  
 Lab File: VN053418.D  
 Acq: 16 Jan 2019 12:07

Tgt Ion: 42 Resp: 464  
 Ion Ratio Lower Upper  
 42 100  
 72 13.1 35.2 52.8#  
 71 20.5 33.0 49.4#





#31

Cyclohexane

Concen: 0.738 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#01

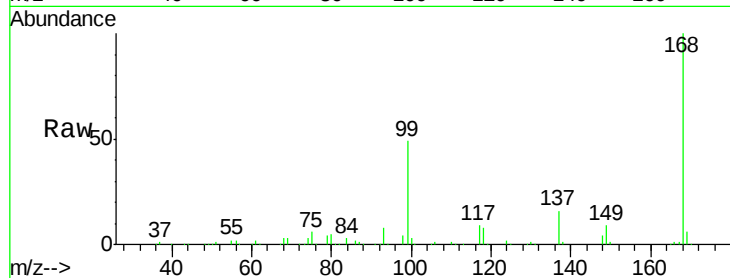
Tot Ion: 56 Resp: 15569

Ion Ratio Lower Upper

56 100

69 178.8 26.4 39.6#

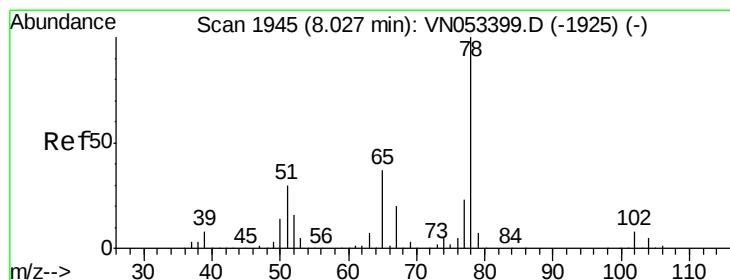
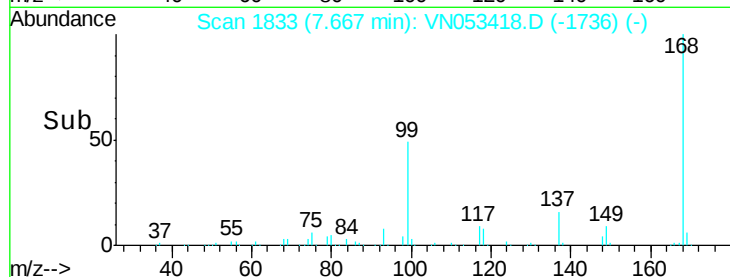
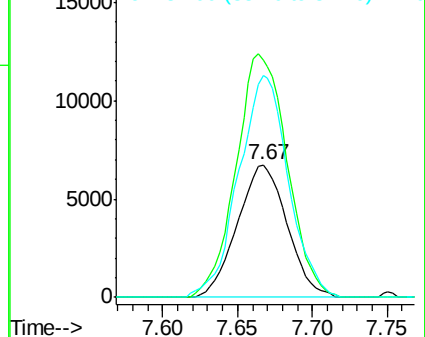
84 166.8 67.9 101.9#



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053418.D

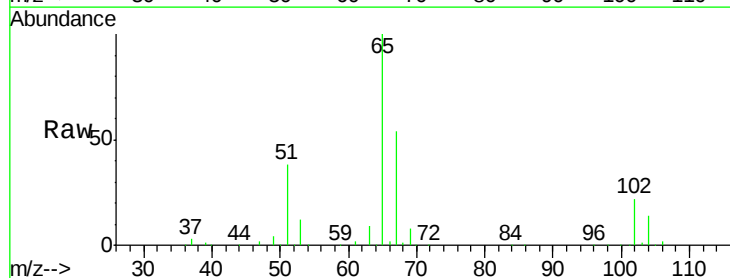
Acq: 16 Jan 2019 12:07

Tgt Ion: 65 Resp: 471160

Ion Ratio Lower Upper

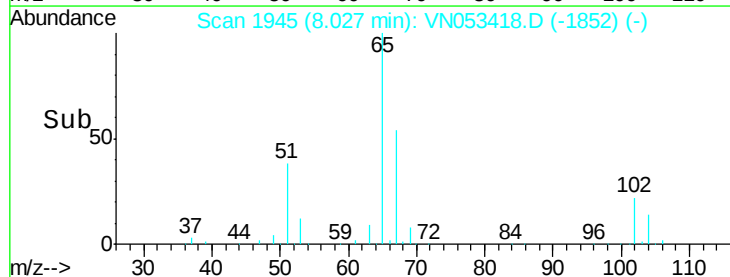
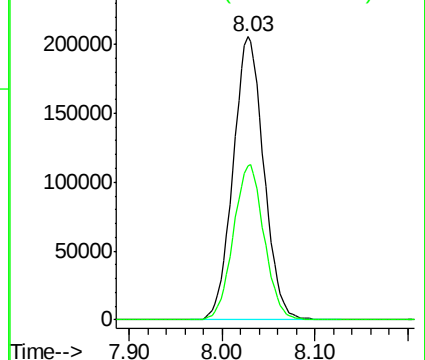
65 100

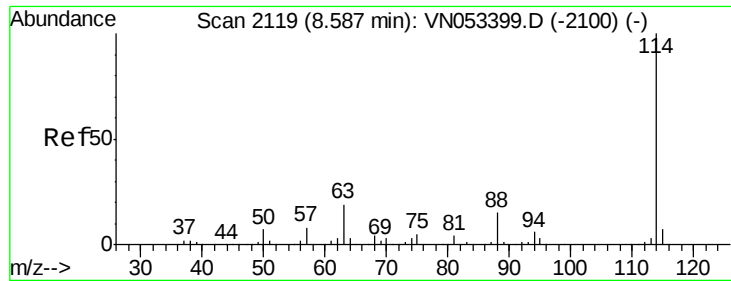
67 54.8 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

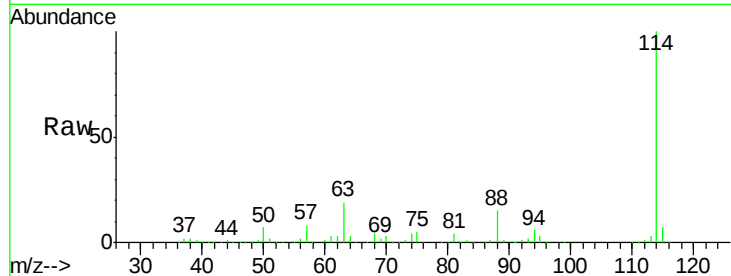




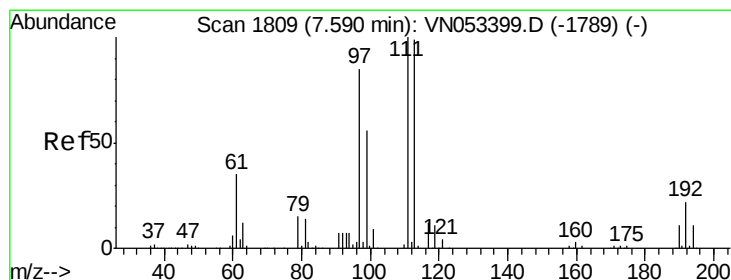
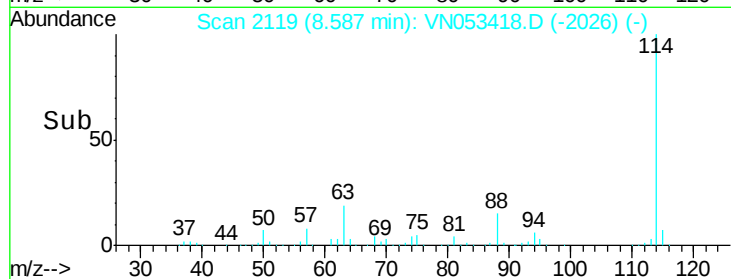
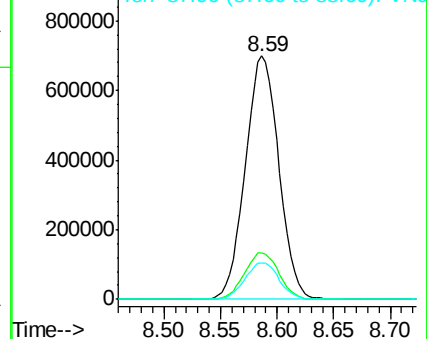
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116405ZHE#01

Tot Ion:114 Resp: 1444427  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 38.6  
88 15.1 0.0 30.4

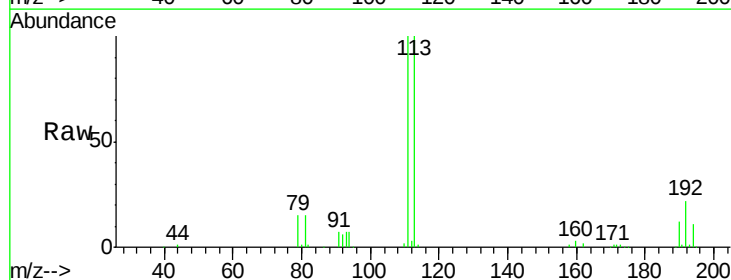


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): V  
Ion 87.90 (87.60 to 88.60): V

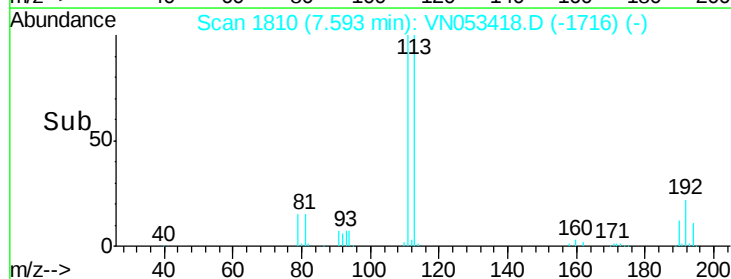
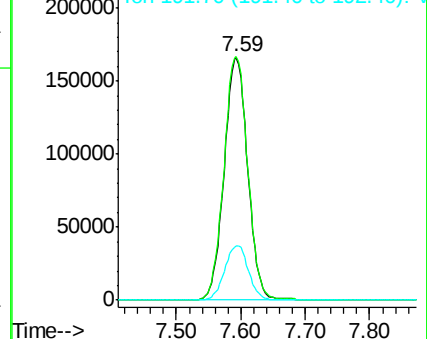


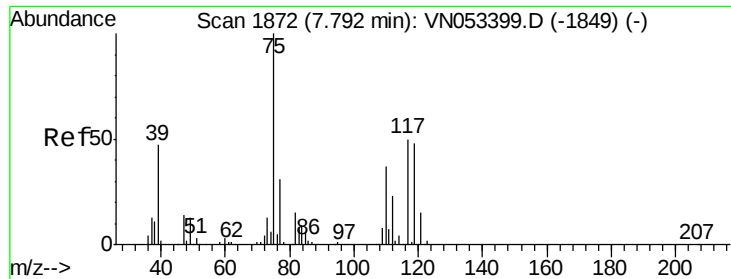
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

Tgt Ion:113 Resp: 420937  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.1 121.7  
192 22.5 18.2 27.2



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: 4.668 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA\_N

ClientSampleId :

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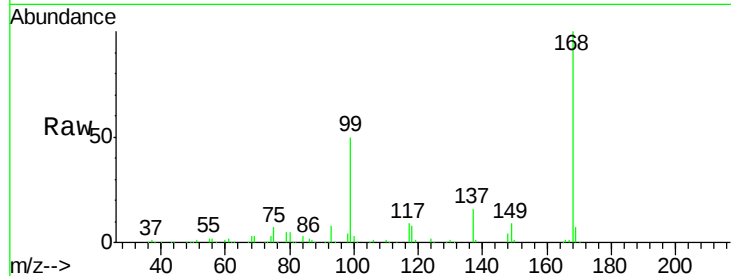
Tot Ion: 75 Resp: 61407

Ion Ratio Lower Upper

75 100

110 7.7 18.1 54.3#

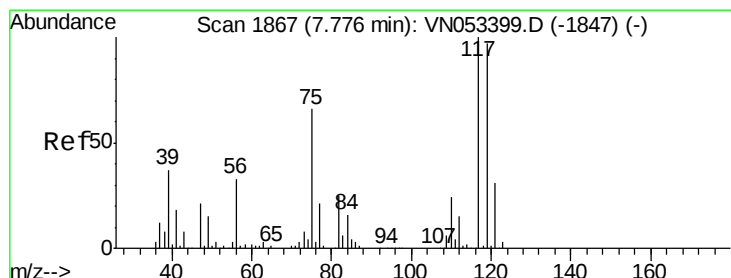
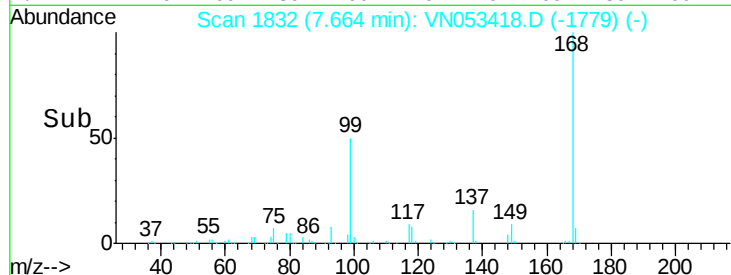
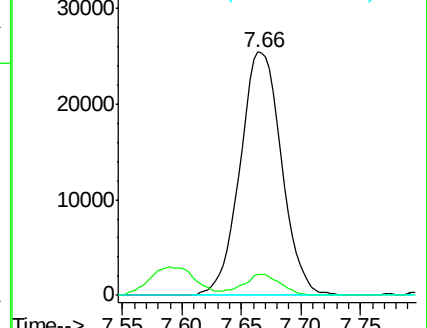
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.404 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

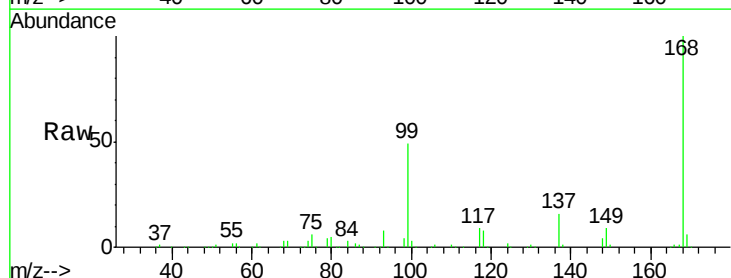
Tgt Ion: 117 Resp: 79751

Ion Ratio Lower Upper

117 100

119 5.6 77.2 115.8#

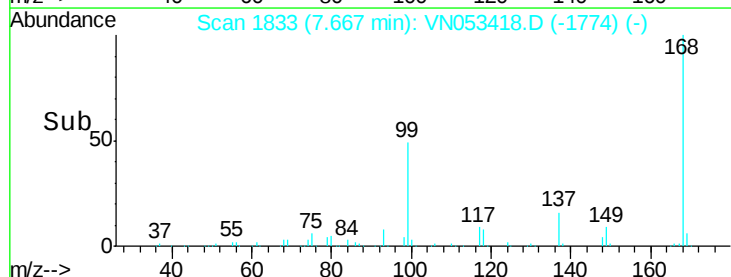
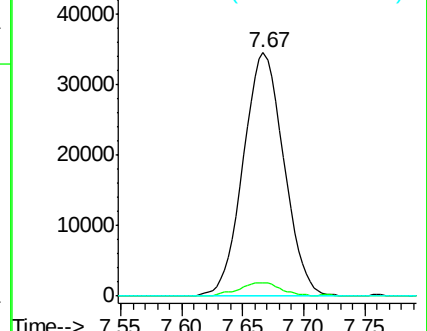
121 0.0 24.6 37.0#

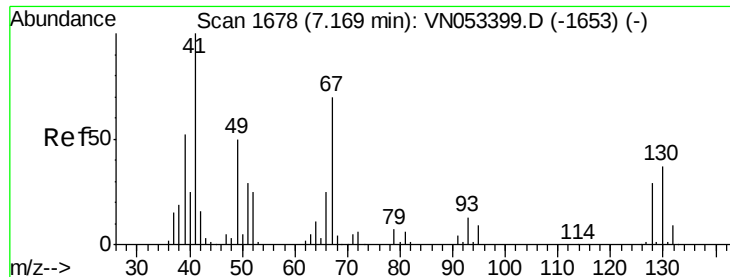


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

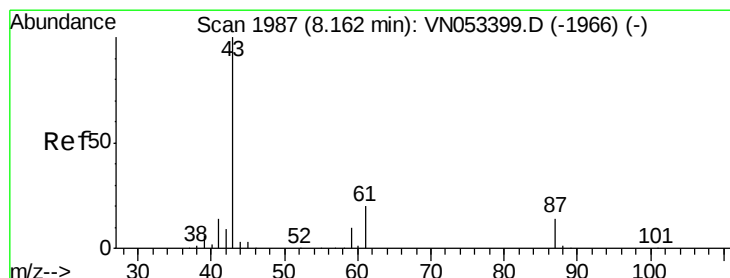
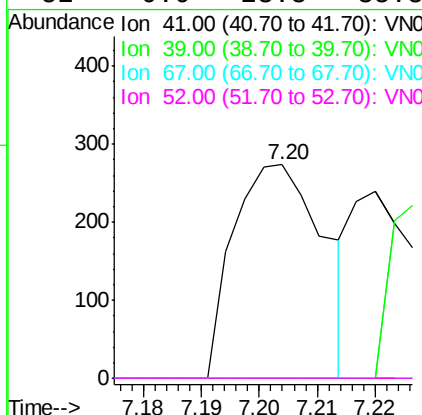
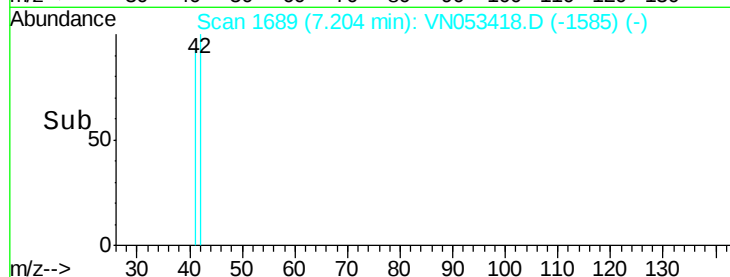
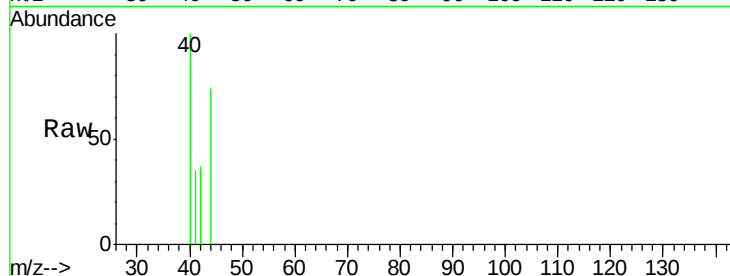




#41  
Methacrylonitrile  
Concen: 0.732 ug/l  
RT: 7.20 min Scan# 1689  
Delta R.T. 0.04 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

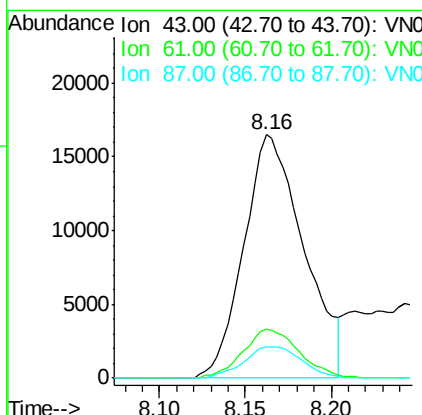
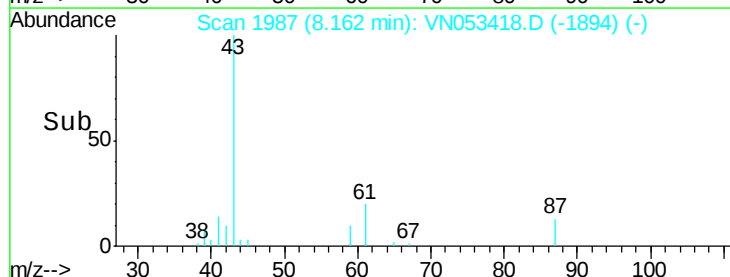
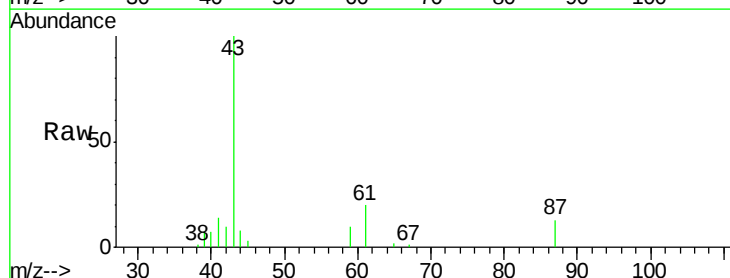
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116405ZHE#01

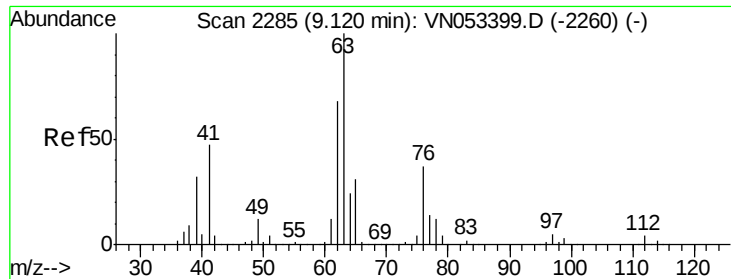
Tot Ion: 41 Resp: 296  
Ion Ratio Lower Upper  
41 100  
39 0.0 46.8 70.2#  
67 0.0 63.0 94.6#  
52 0.0 23.8 35.8#



#43  
Isopropyl Acetate  
Concen: 2.936 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

Tgt Ion: 43 Resp: 39952  
Ion Ratio Lower Upper  
43 100  
61 18.9 23.9 35.9#  
87 12.4 11.0 16.6





#45

1,2-Dichloropropane

Concen: 0.258 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA\_N

ClientSampleId :

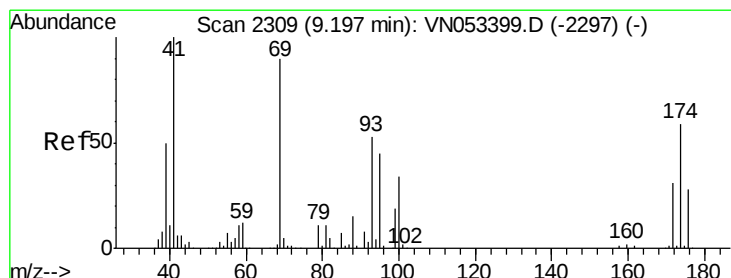
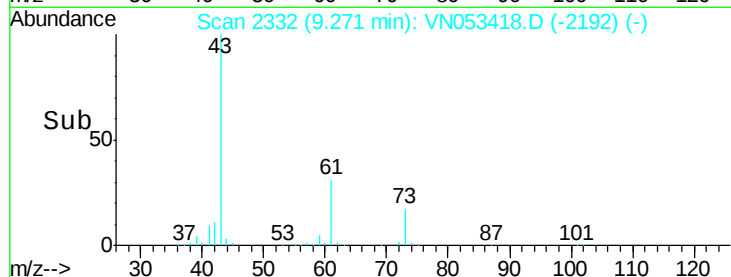
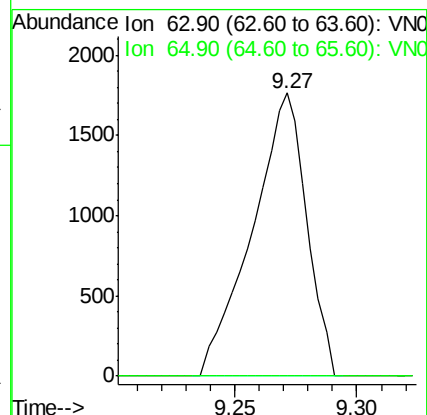
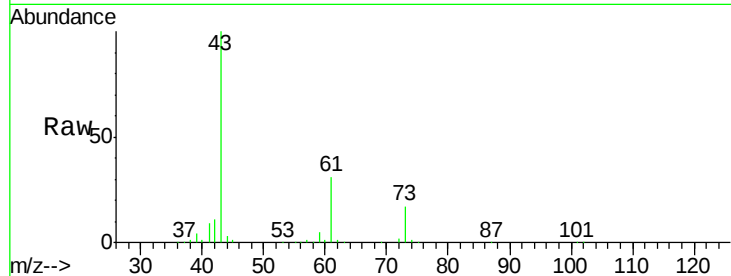
PB116405ZHE#01

Tot Ion: 63 Resp: 2728

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 1.952 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

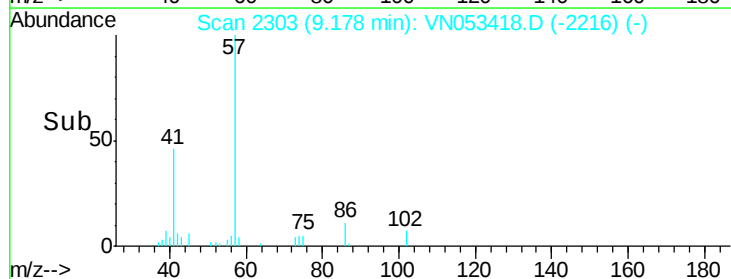
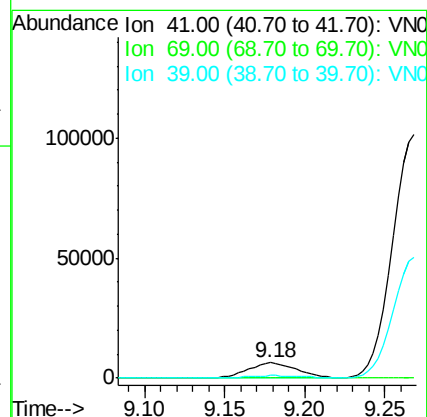
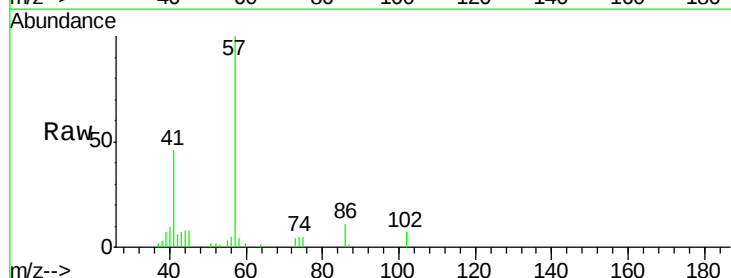
Tgt Ion: 41 Resp: 13717

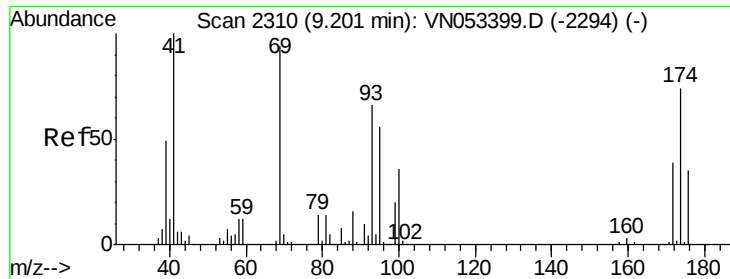
Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

39 0.0 40.0 60.0#

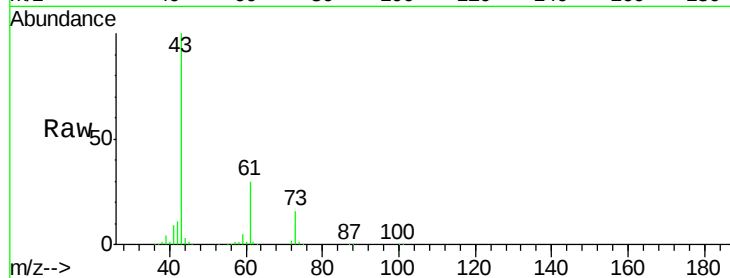




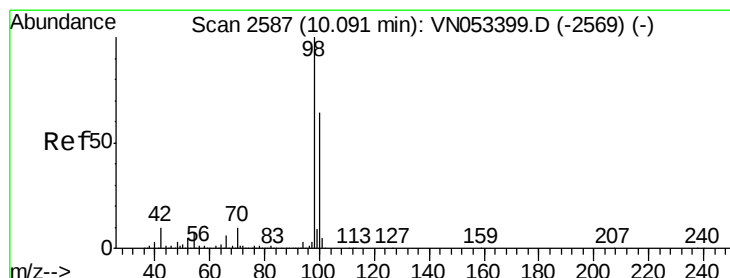
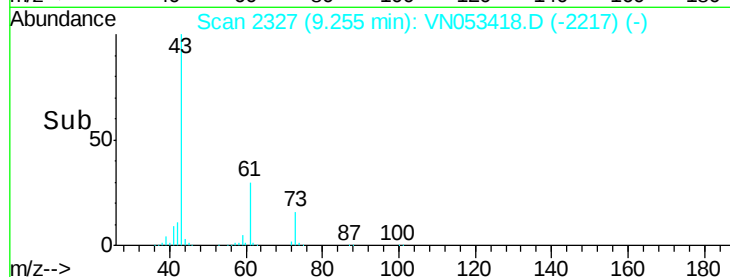
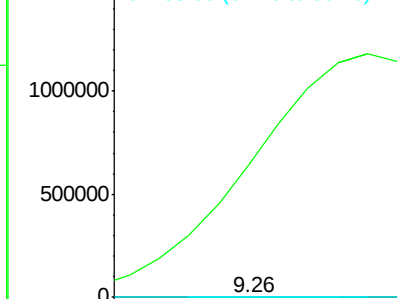
#49  
 1,4-Dioxane  
 Concen: 0.933 ug/l  
 RT: 9.26 min Scan# 2327  
 Delta R.T. 0.05 min  
 Lab File: VN053418.D  
 Acq: 16 Jan 2019 12:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116405ZHE#01

Tot Ion: 88 Resp: 64  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 27.8 41.6#  
 58 0.0 56.5 84.7#

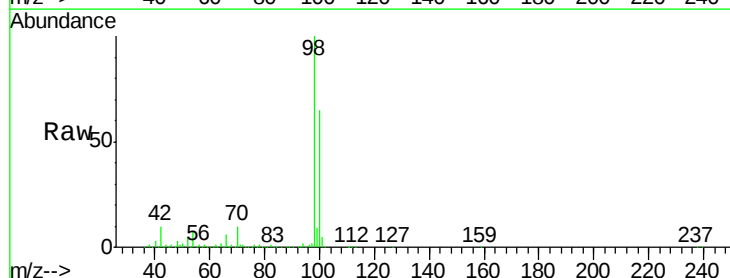


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

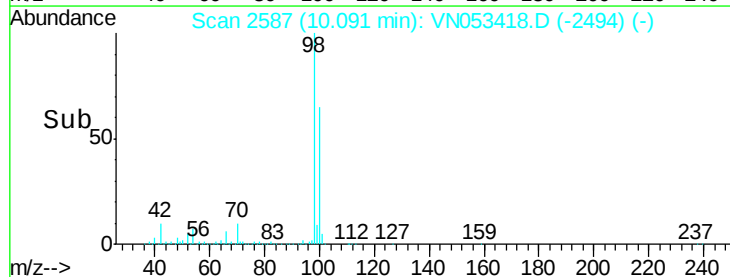
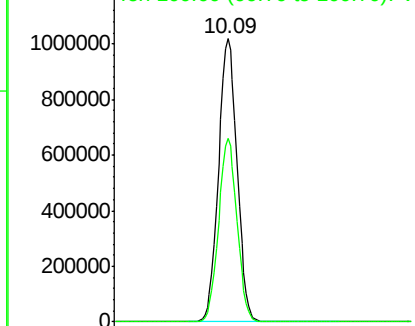


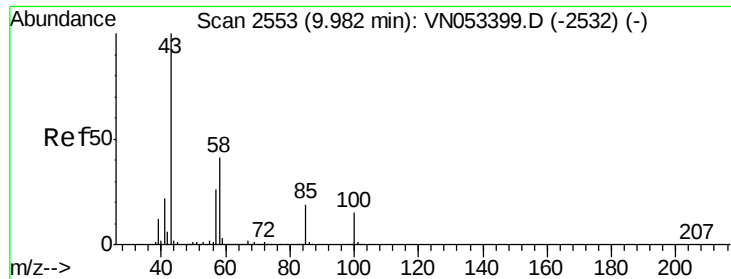
#50  
 Toluene-d8  
 Concen: 0.933 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. -0.00 min  
 Lab File: VN053418.D  
 Acq: 16 Jan 2019 12:07

Tgt Ion: 98 Resp: 1835130  
 Ion Ratio Lower Upper  
 98 100  
 100 64.0 51.4 77.0



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





#51

4-Methyl-2-Pentanone

Concen: 2.118 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA\_N

ClientSampleId :

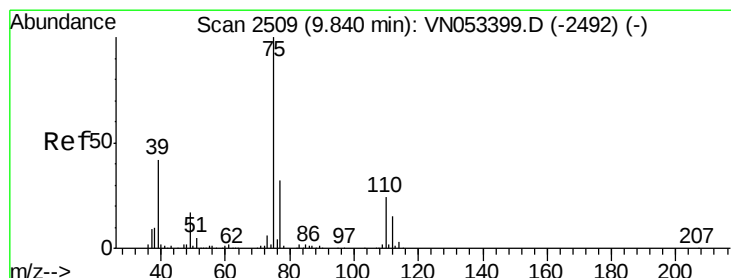
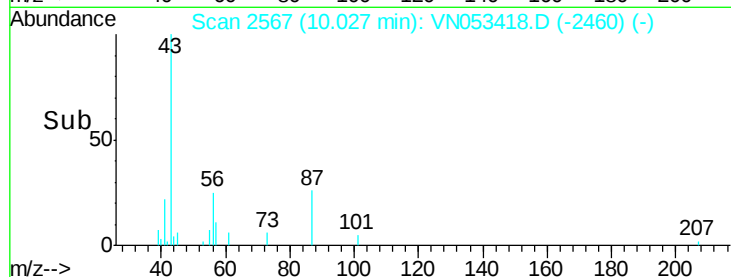
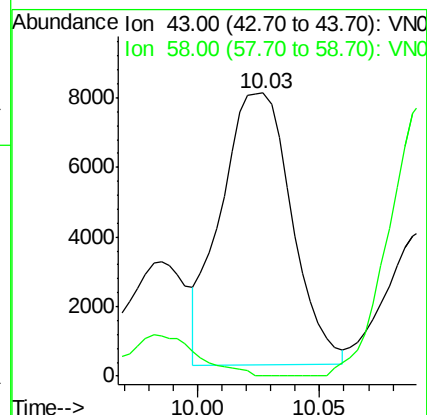
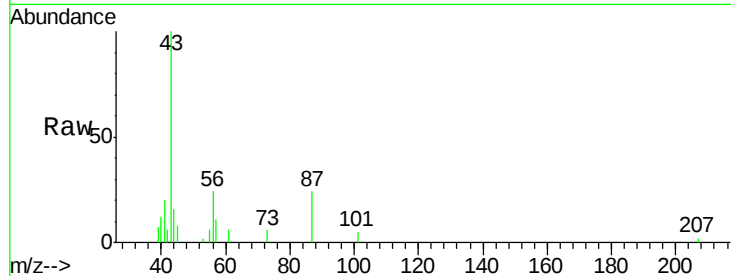
PB116405ZHE#01

Tot Ion: 43 Resp: 15732

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#



#54

cis-1,3-Dichloropropene

Concen: 6.951 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

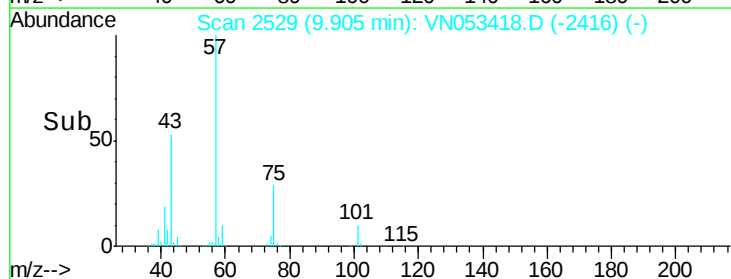
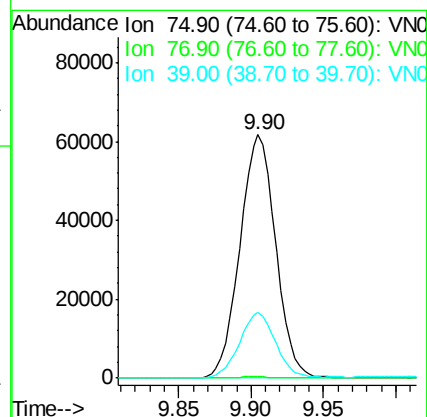
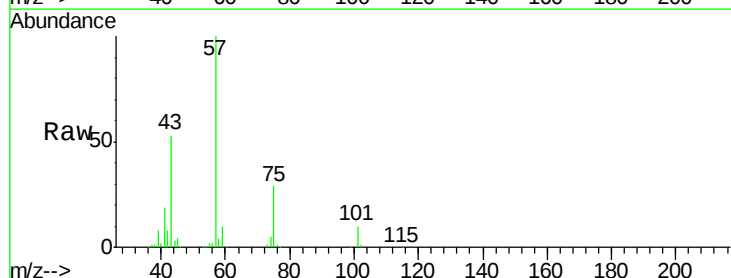
Tgt Ion: 75 Resp: 105656

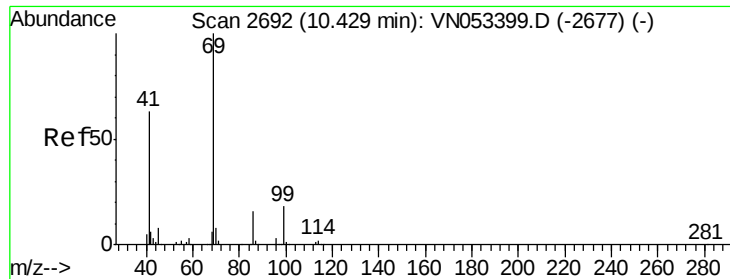
Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.6#

39 26.9 33.4 50.0#





#56

Ethyl methacrylate

Concen: 2.191 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#01

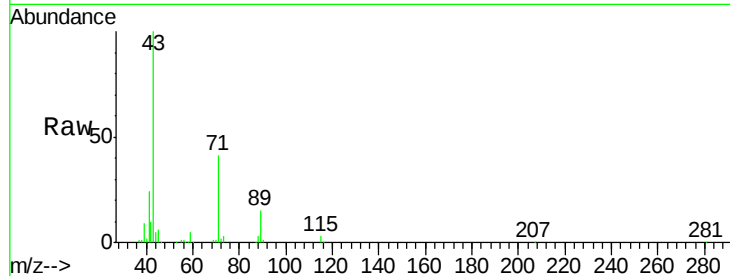
Tot Ion: 69 Resp: 1690

Ion Ratio Lower Upper

69 100

41 4373.1 49.4 74.0#

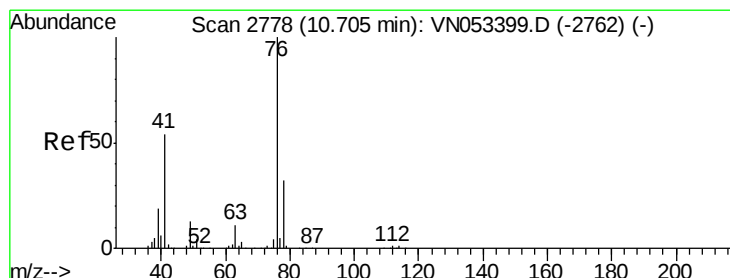
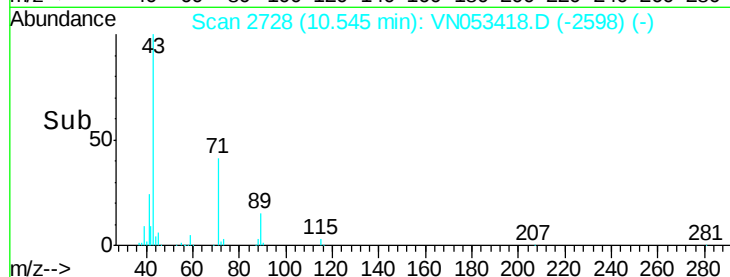
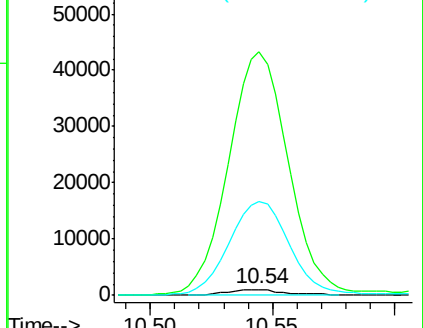
39 1709.8 23.3 34.9#



Abundance Ion 69.00 (68.70 to 69.70): VN053399.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN053399.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN053399.D (-2677) (-)



#57

1,3-Dichloropropane

Concen: 1.436 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053418.D

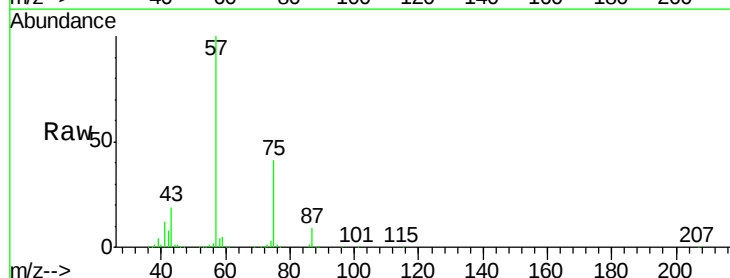
Acq: 16 Jan 2019 12:07

Tgt Ion: 76 Resp: 21252

Ion Ratio Lower Upper

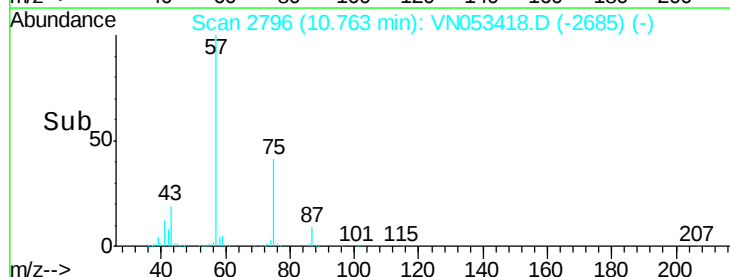
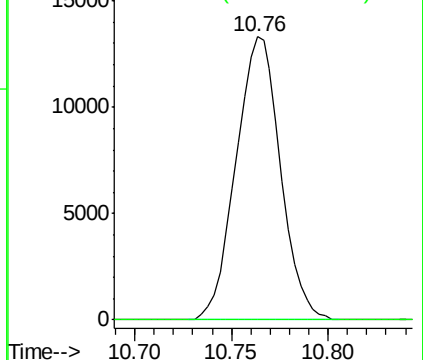
76 100

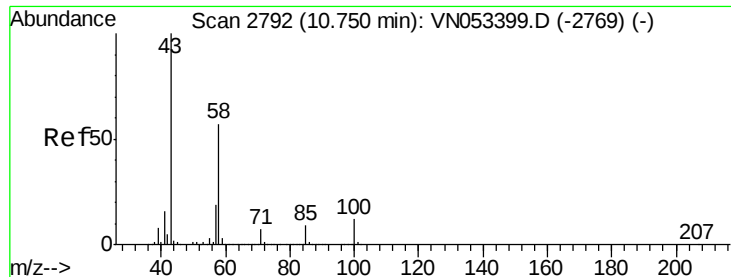
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN053399.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN053399.D (-2762) (-)

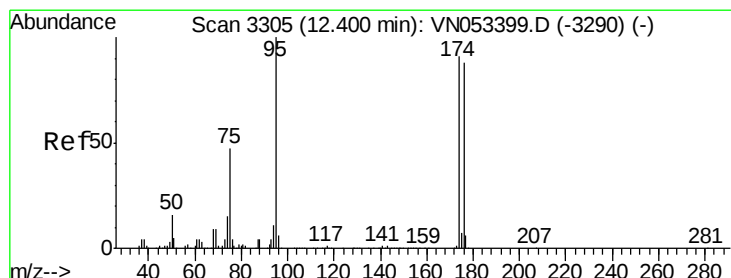
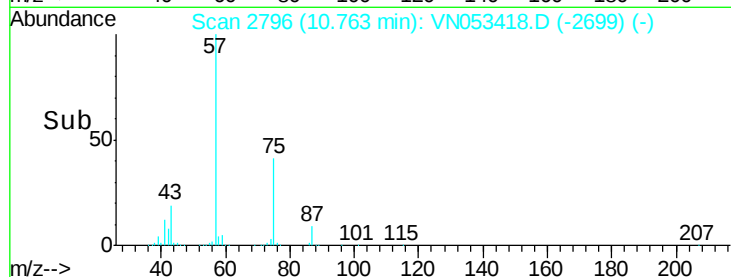
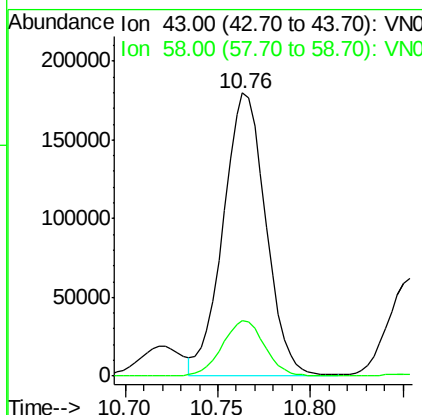
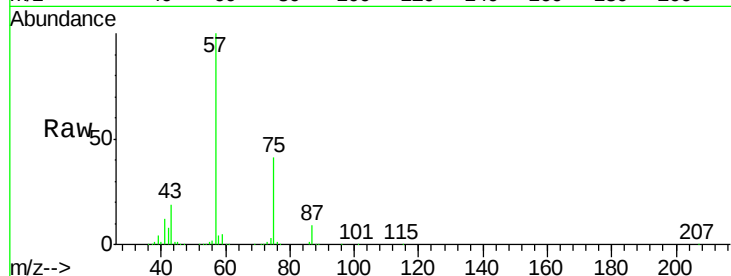




#59  
2-Hexanone  
Concen: 54.589 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

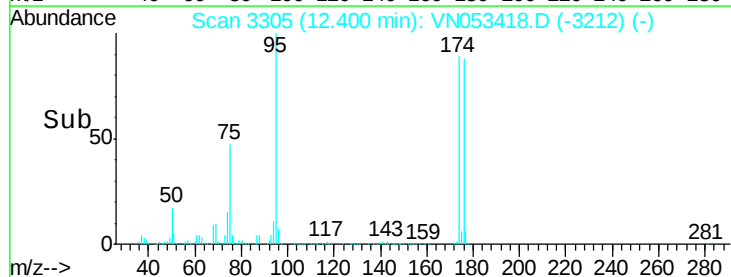
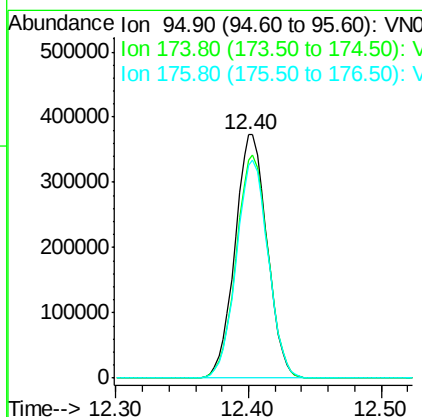
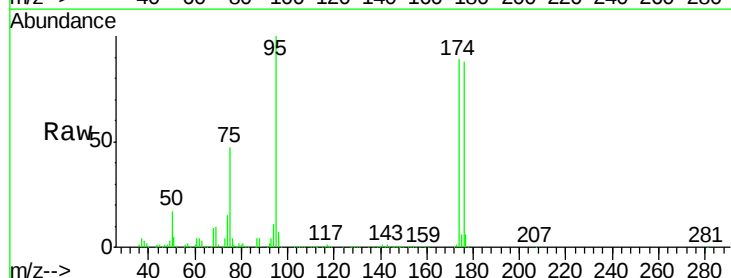
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116405ZHE#01

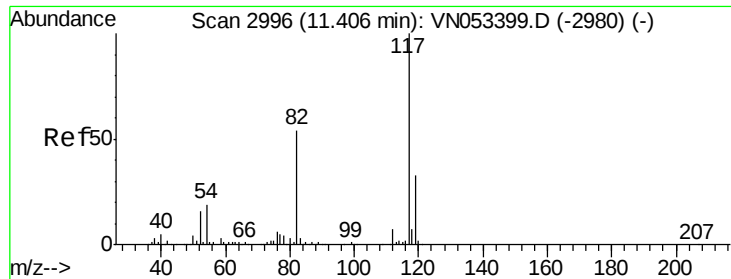
Tot Ion: 43 Resp: 284680  
Ion Ratio Lower Upper  
43 100  
58 19.8 28.6 85.8#



#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

Tgt Ion: 95 Resp: 627532  
Ion Ratio Lower Upper  
95 100  
174 91.2 0.0 183.2  
176 88.7 0.0 177.4

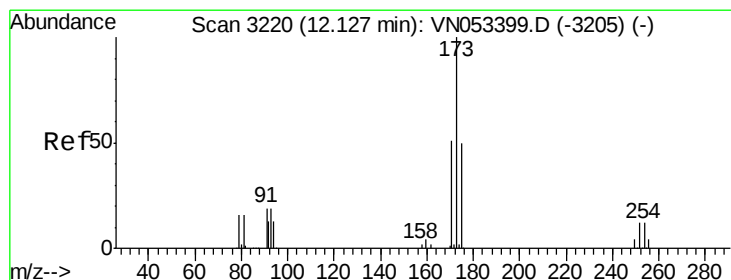
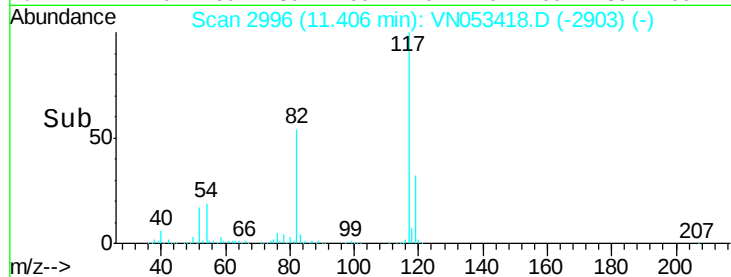
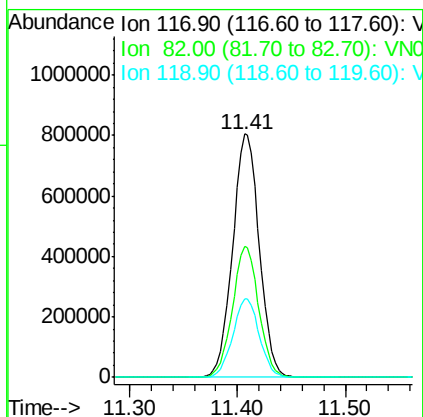
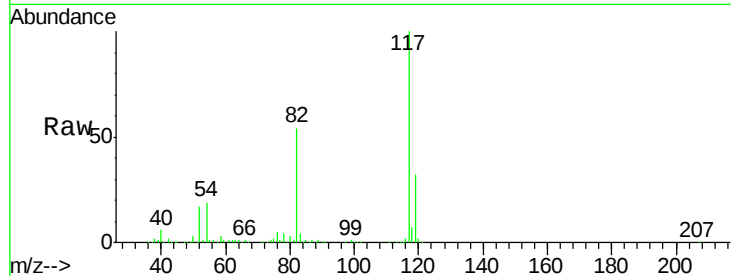




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

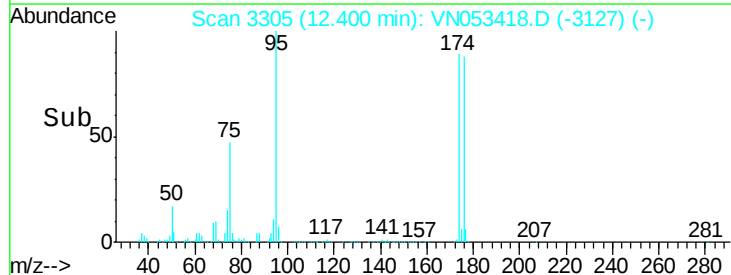
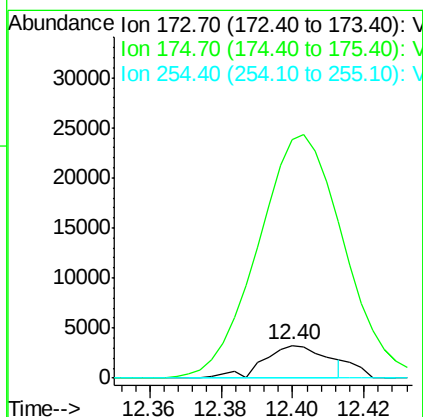
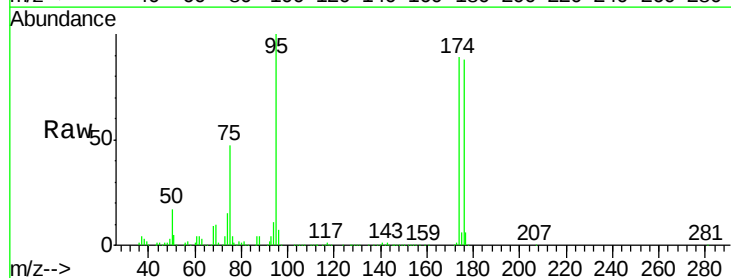
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116405ZHE#01

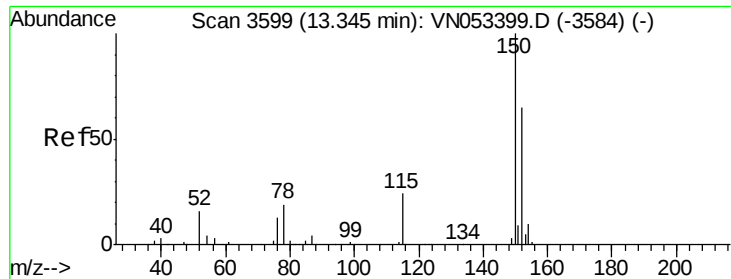
Tot Ion:117 Resp: 1384829  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.9 64.3  
119 32.0 26.0 39.0



#71  
Bromoform  
Concen: 0.563 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

Tgt Ion:173 Resp: 3955  
Ion Ratio Lower Upper  
173 100  
175 876.6 24.6 74.0#  
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#01

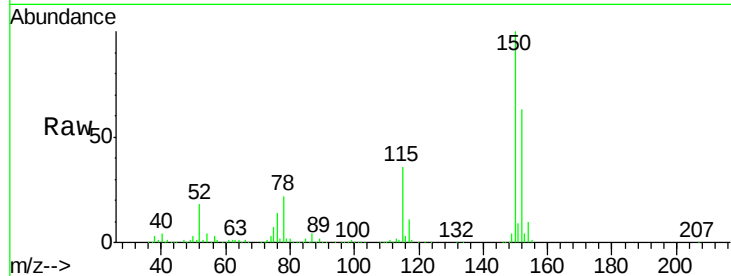
Tot Ion:152 Resp: 591206

Ion Ratio Lower Upper

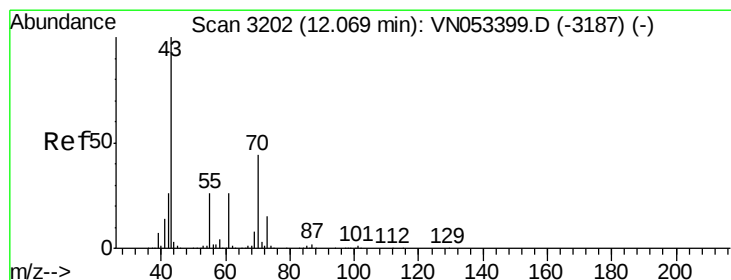
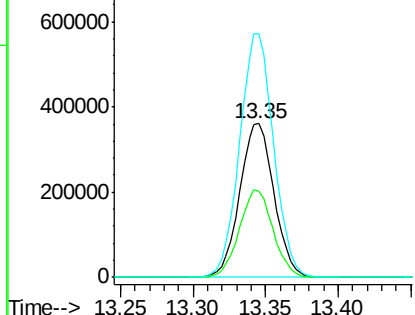
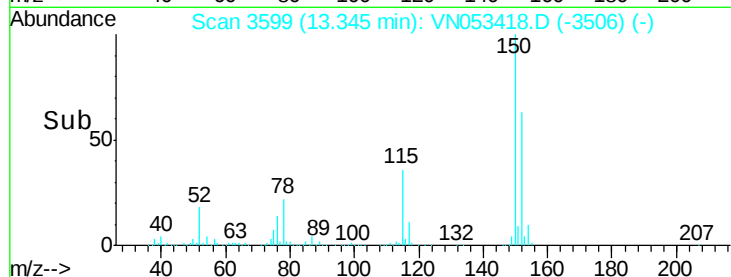
152 100

115 56.0 27.8 83.4

150 157.2 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



#74

N-ethyl acetate

Concen: 3.053 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Tgt Ion: 43 Resp: 35240

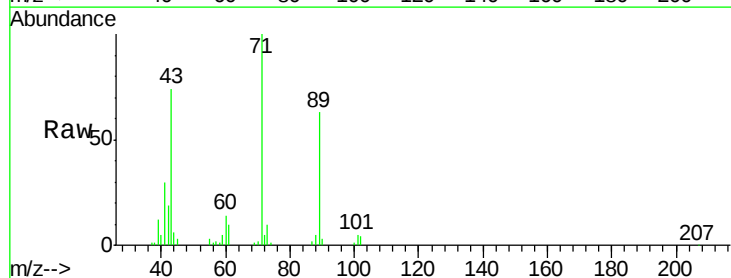
Ion Ratio Lower Upper

43 100

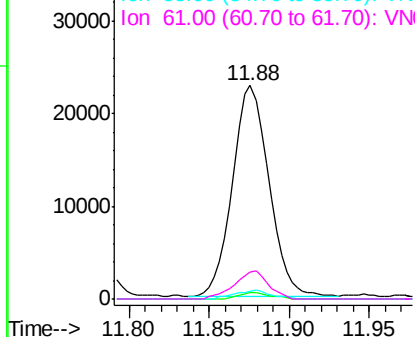
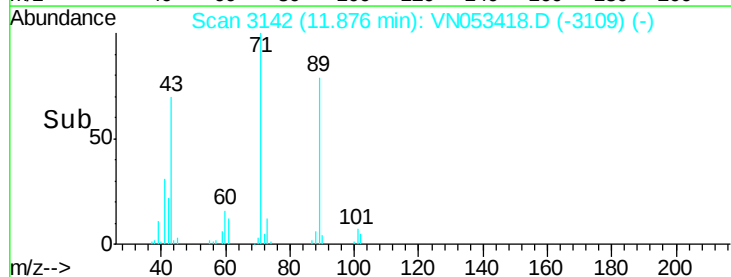
70 2.5 35.4 53.2#

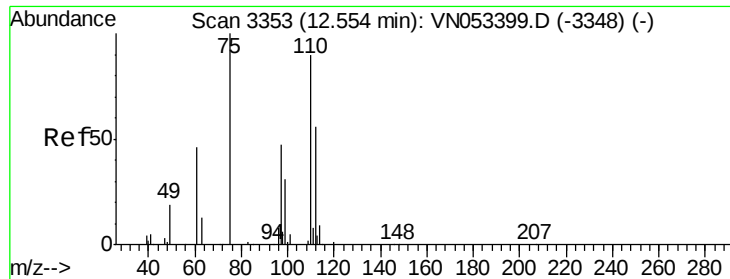
55 4.2 20.9 31.3#

61 12.3 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): V  
Ion 70.00 (69.70 to 70.70): V  
Ion 55.00 (54.70 to 55.70): V  
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 37.778 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA\_N

ClientSampleId :

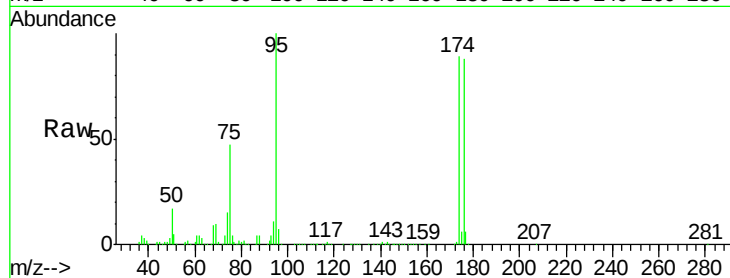
PB116405ZHE#01

Tot Ion: 75 Resp: 294330

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)

12.40

200000

150000

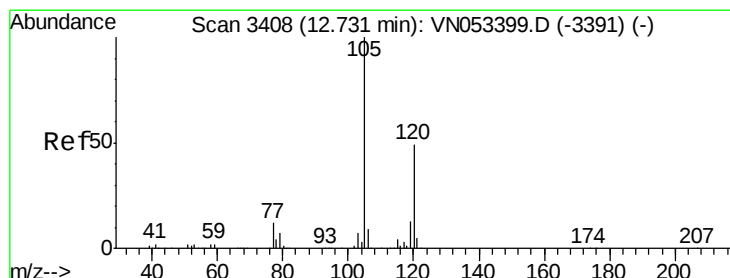
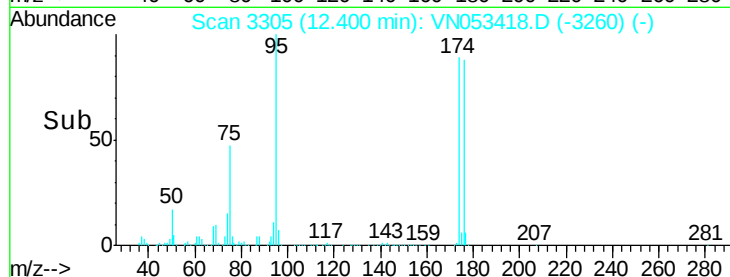
100000

50000

0

Time-->

12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.286 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053418.D

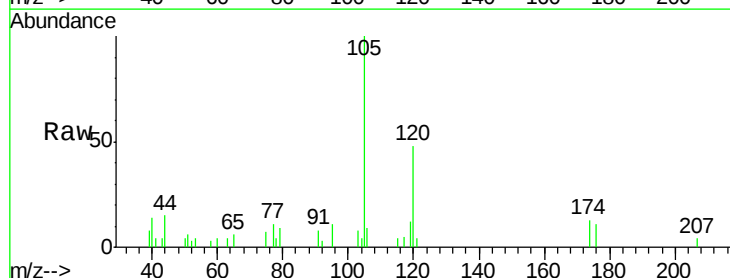
Acq: 16 Jan 2019 12:07

Tgt Ion: 105 Resp: 10070

Ion Ratio Lower Upper

105 100

120 47.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)

12.73

6000

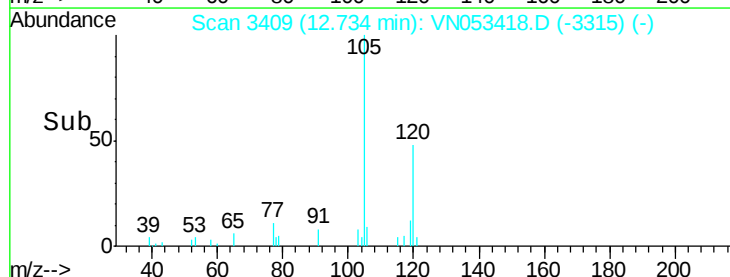
4000

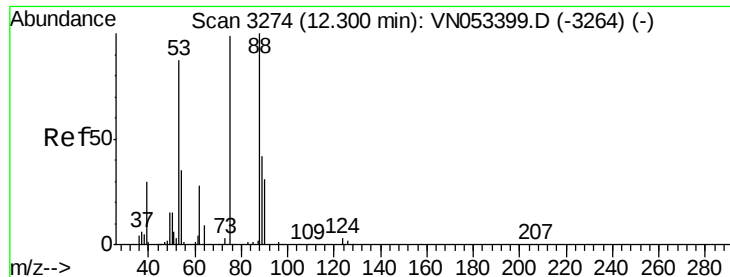
2000

0

Time-->

12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 93.297 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#01

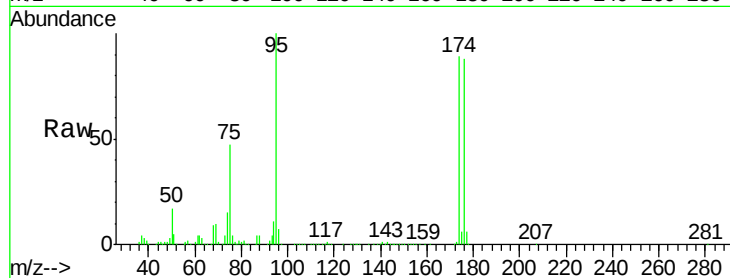
Tot Ion: 75 Resp: 294330

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

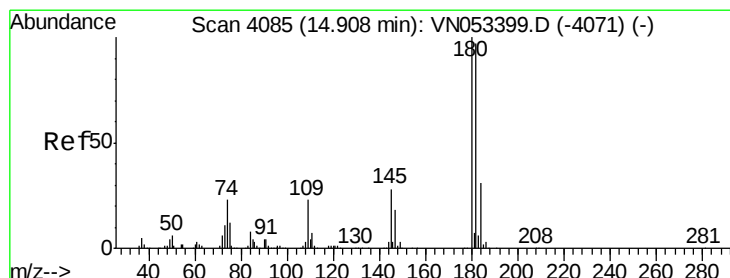
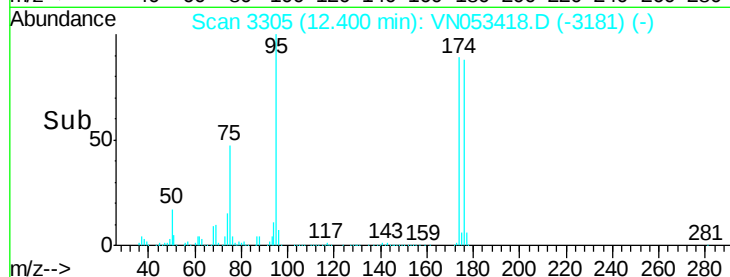
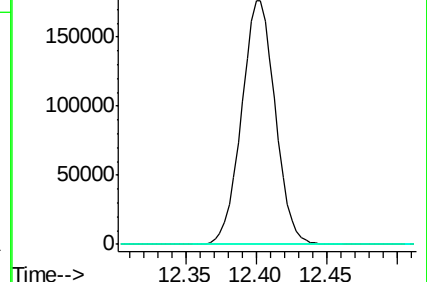


Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053399.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053399.D (-3264) (-)

12.40



#93

1,2,4-Trichlorobenzene

Concen: 2.947 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053418.D

Acq: 16 Jan 2019 12:07

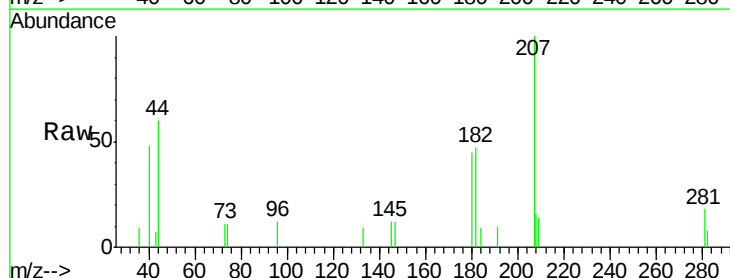
Tgt Ion: 180 Resp: 1561

Ion Ratio Lower Upper

180 100

182 91.2 48.1 144.3

145 18.8 13.9 41.6

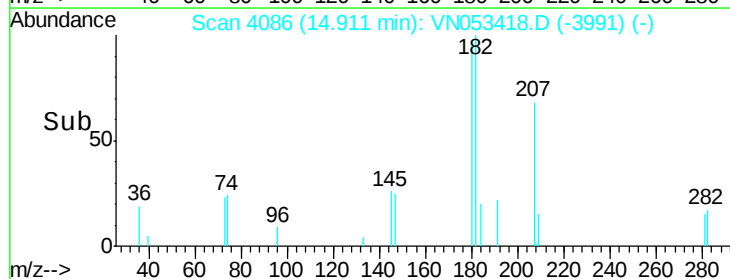
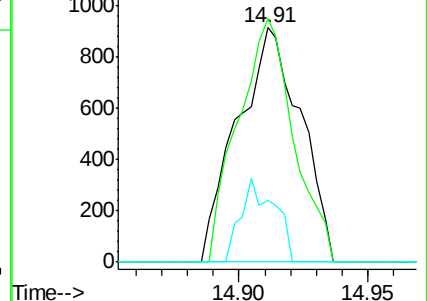


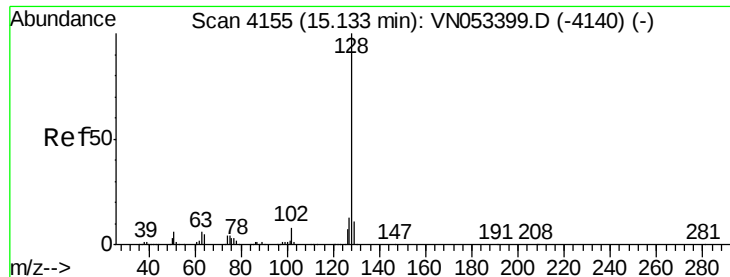
Abundance Ion 179.80 (179.50 to 180.50): VN053399.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053399.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053399.D (-4071) (-)

14.91

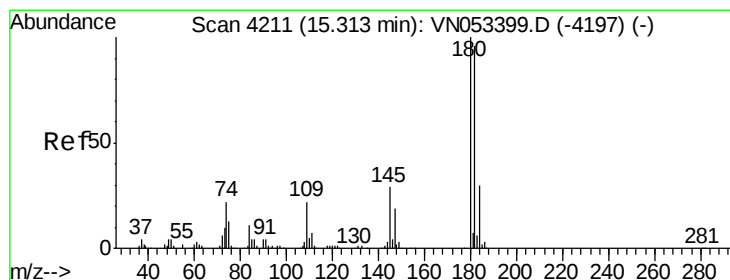
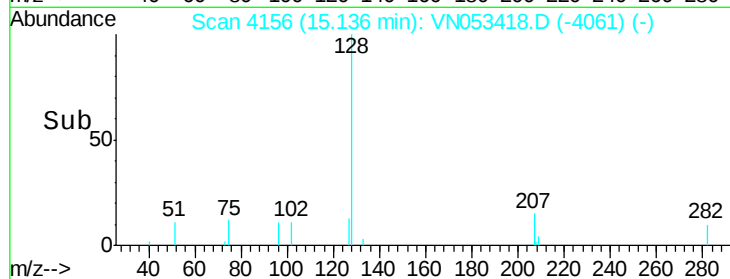
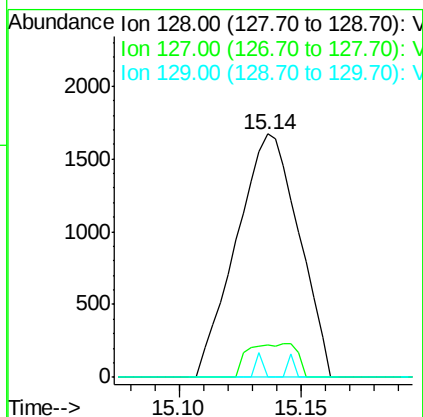
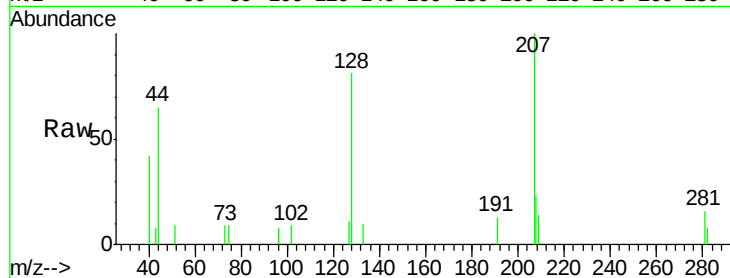




#95  
Naphthalene  
Concen: 4.130 ug/l  
RT: 15.14 min Scan# 4156  
Delta R.T. 0.00 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116405ZHE#01

Tot Ion:128 Resp: 2961  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 1.1 8.6 13.0#



#96  
1,2,3-Trichlorobenzene  
Concen: 4.192 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN053418.D  
Acq: 16 Jan 2019 12:07

Tgt Ion:180 Resp: 1861  
Ion Ratio Lower Upper  
180 100  
182 77.6 47.9 143.8  
145 22.1 14.7 44.1

