

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\  
 Data File : VN049801.D  
 Acq On : 13 Jul 2018 17:01  
 Operator : MD\SY  
 Sample : PB111069ZHE#04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111069ZHE#04

Quant Time: Jul 13 23:51:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 12 15:51:38 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1172122  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1868099  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1594336  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 611748   | 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   | 795936   | 58.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 116.74% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 719866   | 51.12 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.24% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2540711  | 52.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.42% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 724525   | 42.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 84.18%  |          |

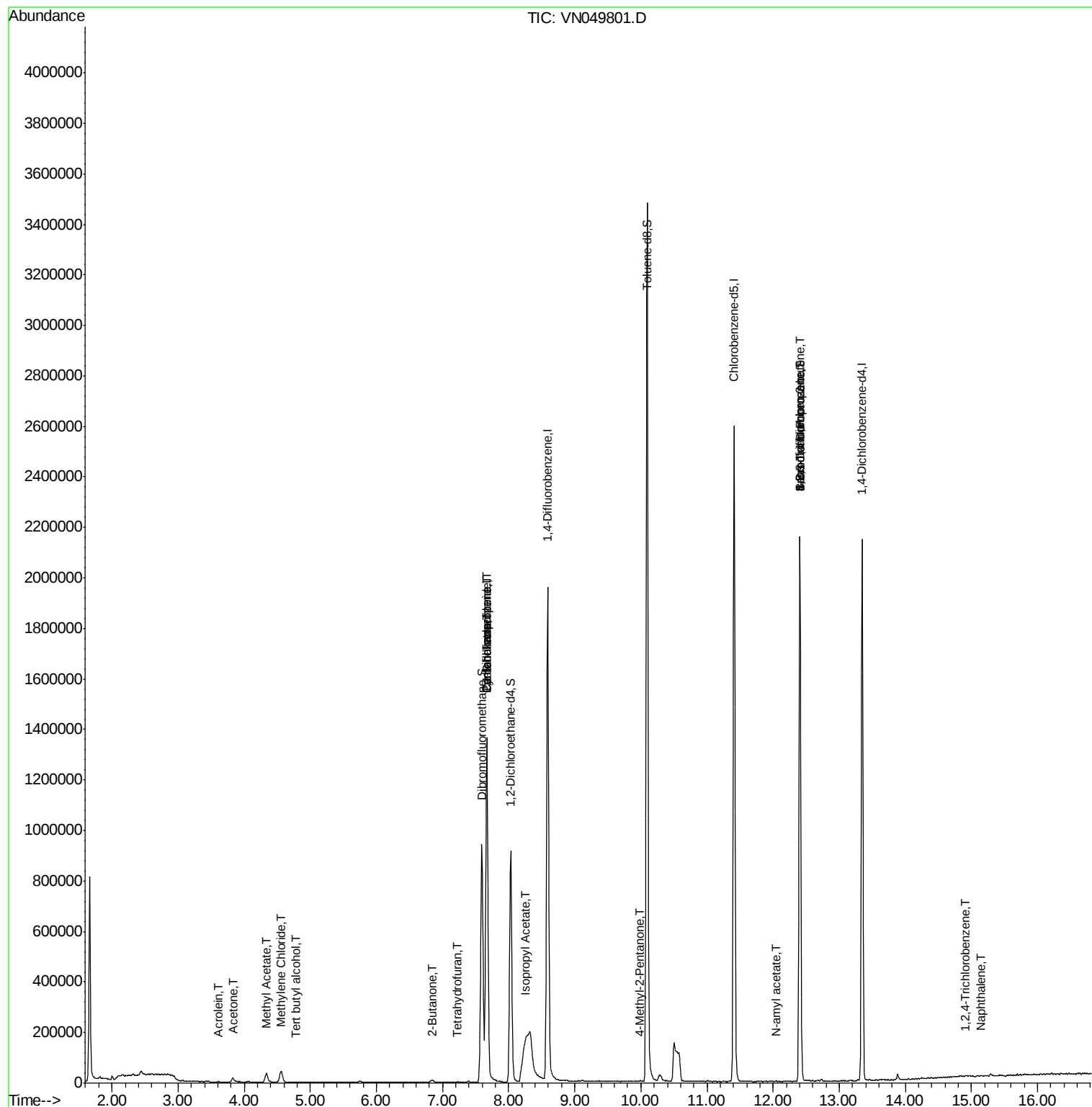
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 2) Dichlorodifluoromethane     | 1.85  | 85   | 142      | Below Cal | #     | 62     |
| 3) Chloromethane               | 2.06  | 50   | 2357     | Below Cal |       | 97     |
| 4) Vinyl Chloride              | 2.18  | 62   | 408      | Below Cal | #     | 43     |
| 5) Bromomethane                | 2.57  | 94   | 1616     | Below Cal | #     | 74     |
| 11) Tert butyl alcohol         | 4.77  | 59   | 307      | 0.34      | ug/l  | # 72   |
| 13) Acrolein                   | 3.61  | 56   | 223      | 0.28      | ug/l  | # 20   |
| 16) Acetone                    | 3.83  | 43   | 26617    | 5.90      | ug/l  | 91     |
| 17) Carbon Disulfide           | 4.06  | 76   | 3210     | Below Cal |       | 97     |
| 18) Methyl Acetate             | 4.34  | 43   | 62599    | 4.83      | ug/l  | 98     |
| 20) Methylene Chloride         | 4.55  | 84   | 33636    | 1.52      | ug/l  | 95     |
| 25) 2-Butanone                 | 6.86  | 43   | 5682     | 1.07      | ug/l  | # 72   |
| 29) Tetrahydrofuran            | 7.22  | 42   | 1232     | 0.37      | ug/l  | # 61   |
| 31) Cyclohexane                | 7.67  | 56   | 21881    | 0.78      | ug/l  | # 1    |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 80761    | 3.75      | ug/l  | # 49   |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 106573   | 4.74      | ug/l  | # 16   |
| 43) Isopropyl Acetate          | 8.25  | 43   | 155427   | 6.79      | ug/l  | # 63   |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 3385     | 0.27      | ug/l  | # 76   |
| 55) 1,1,2-Trichloroethane      | 10.57 | 97   | 836      | Below Cal | #     | 15     |
| 71) Bromoform                  | 12.40 | 173  | 2744     | 0.26      | ug/l  | # 28   |
| 74) N-amyl acetate             | 12.05 | 43   | 4145     | 0.31      | ug/l  | # 43   |
| 75) 1,1,2,2-Tetrachloroethane  | 12.52 | 83   | 68       | Below Cal | #     | 25     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 354097   | 32.58     | ug/l  | # 100  |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 354097   | 105.22    | ug/l  | # 13   |
| 90) Hexachloroethane           | 13.87 | 117  | 123      | Below Cal | #     | 4      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 758      | Below Cal | #     | 1      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 714      | 2.94      | ug/l  | # 23   |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 139      | Below Cal | #     | 43     |
| 95) Naphthalene                | 15.14 | 128  | 1973     | 4.09      | ug/l  | # 88   |

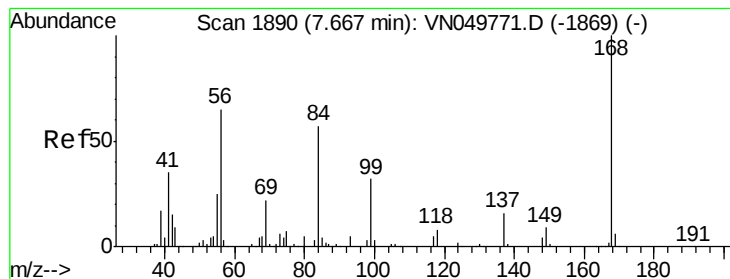
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jul 12 15:51:38 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

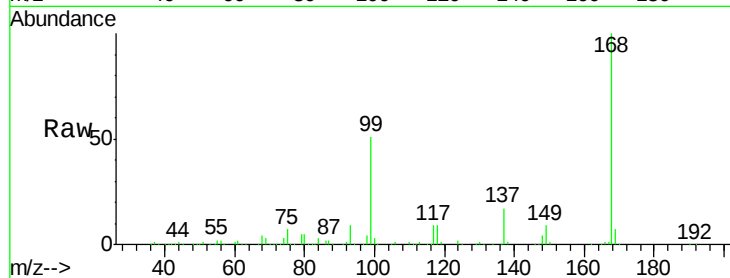
PB111069ZHE#04

Tot Ion:168 Resp: 1172122

Ion Ratio Lower Upper

168 100

99 51.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

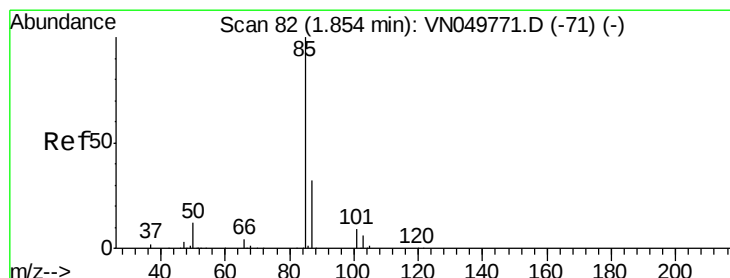
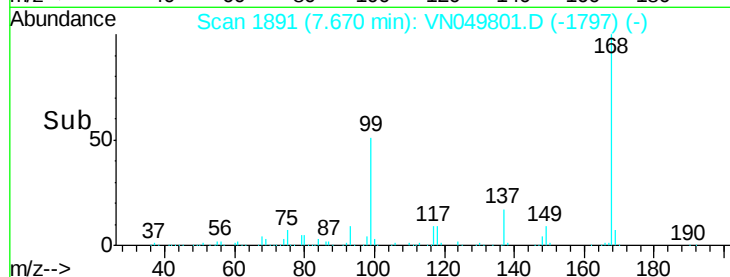
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049801.D

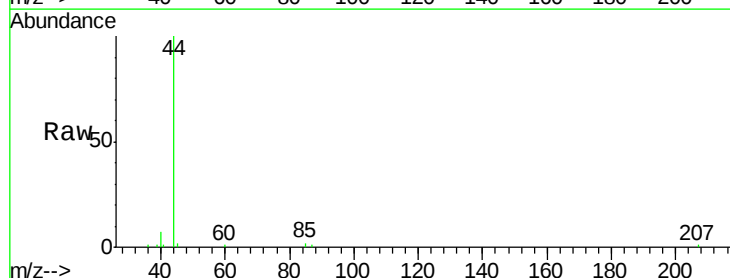
Acq: 13 Jul 2018 17:01

Tgt Ion: 85 Resp: 142

Ion Ratio Lower Upper

85 100

87 51.5 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

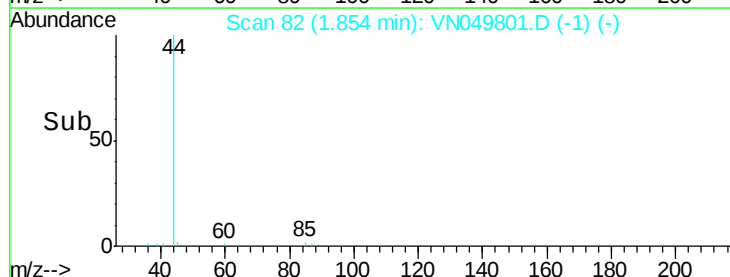
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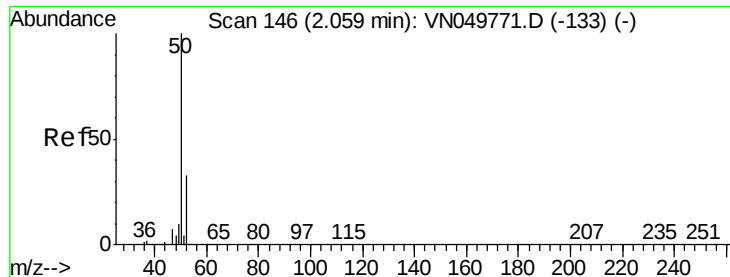
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 147

Delta R.T. 0.00 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

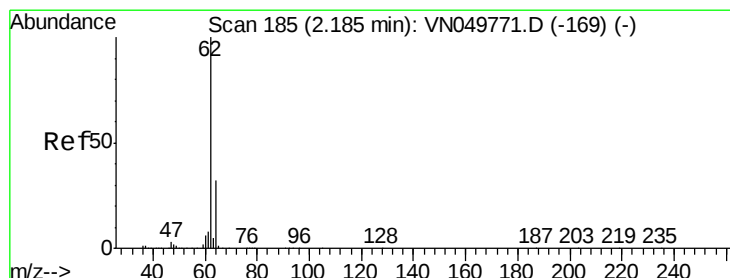
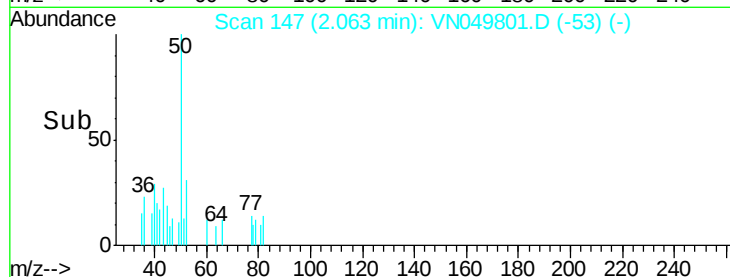
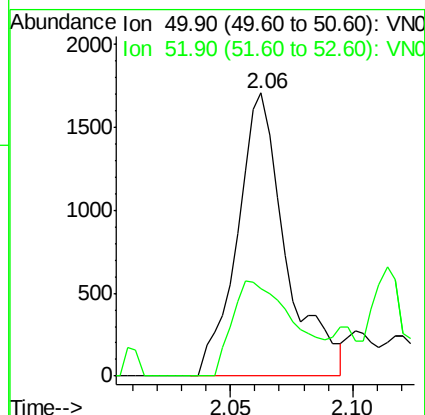
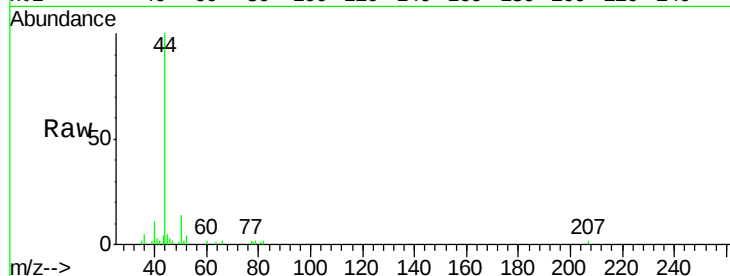
PB111069ZHE#04

Tot Ion: 50 Resp: 2357

Ion Ratio Lower Upper

50 100

52 31.1 26.1 39.1



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049801.D

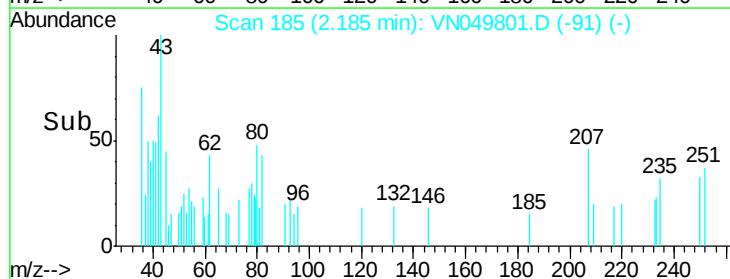
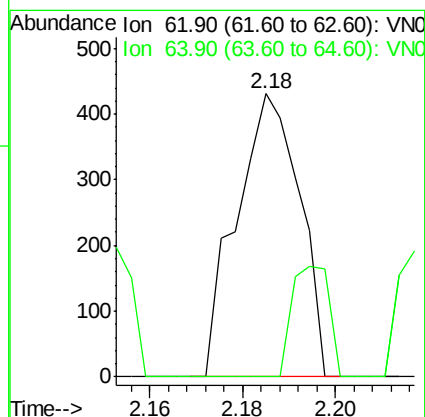
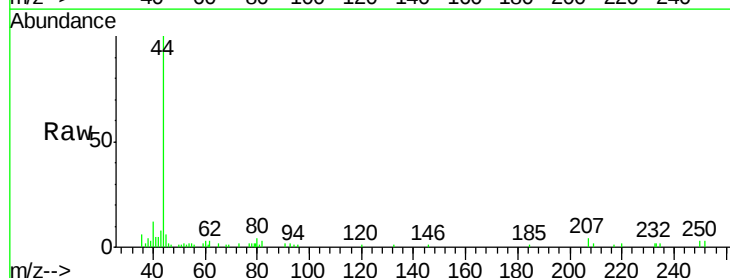
Acq: 13 Jul 2018 17:01

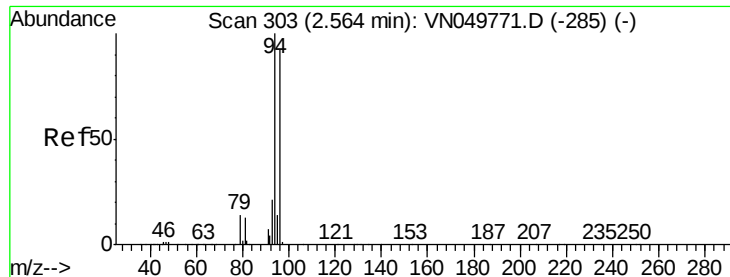
Tgt Ion: 62 Resp: 408

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

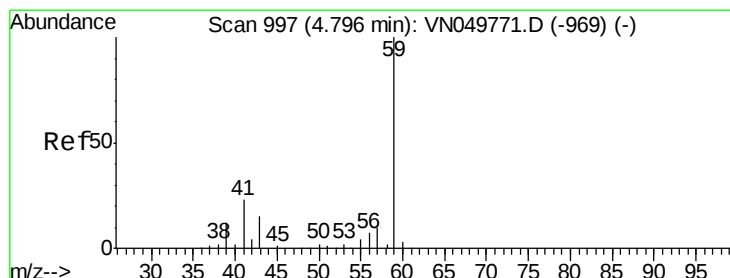
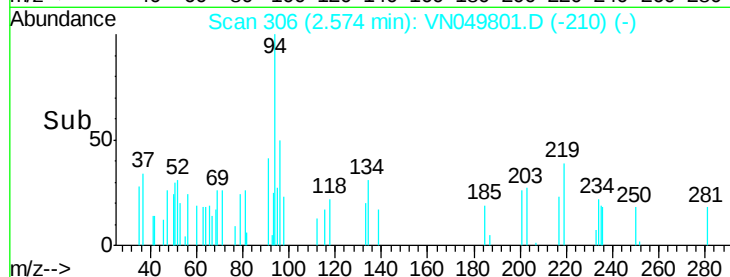
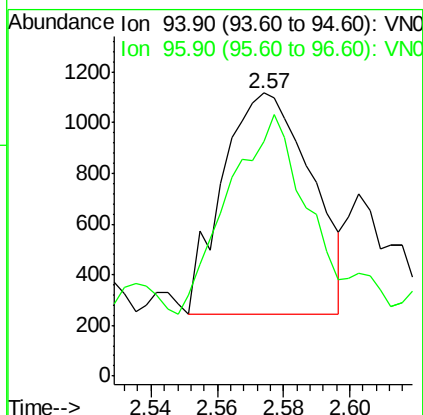
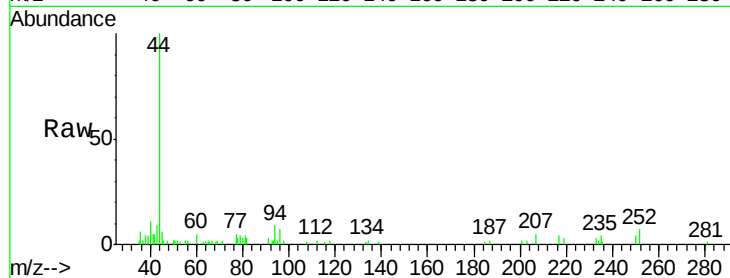
PB111069ZHE#04

Tot Ion: 94 Resp: 1616

Ion Ratio Lower Upper

94 100

96 69.3 75.7 113.5#



#11

Tert butyl alcohol

Concen: 0.34 ug/l

RT: 4.77 min Scan# 988

Delta R.T. -0.03 min

Lab File: VN049801.D

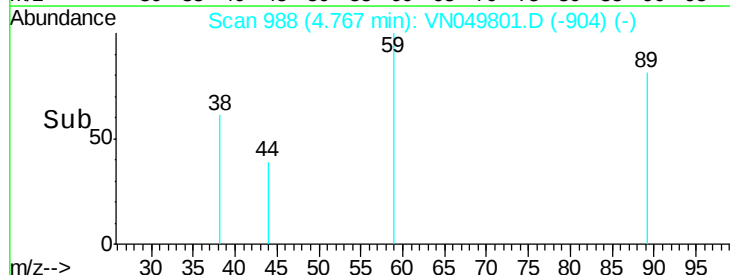
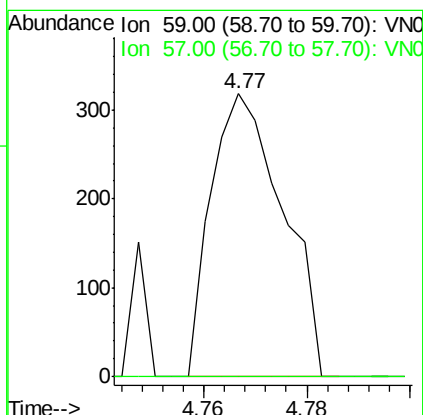
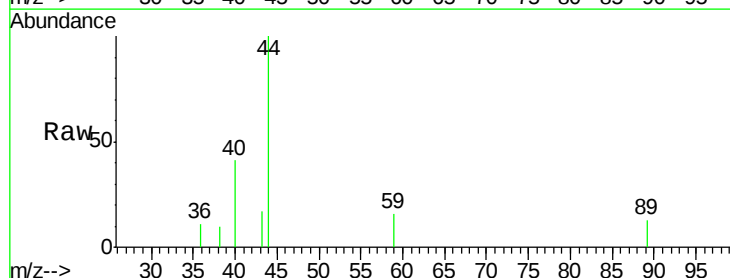
Acq: 13 Jul 2018 17:01

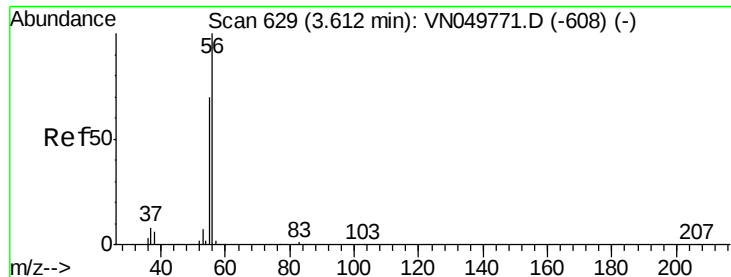
Tgt Ion: 59 Resp: 307

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.28 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

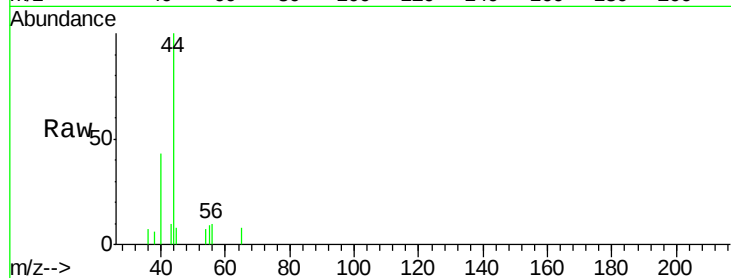
PB111069ZHE#04

Tot Ion: 56 Resp: 223

Ion Ratio Lower Upper

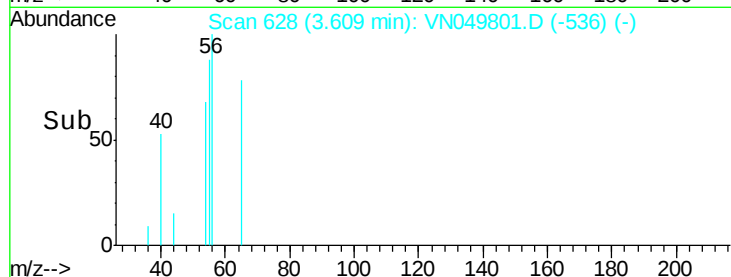
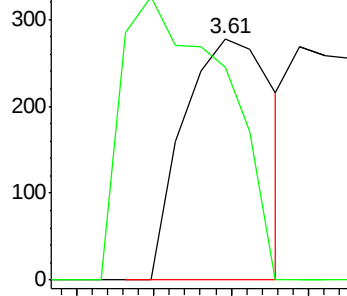
56 100

55 135.4 55.8 83.8#

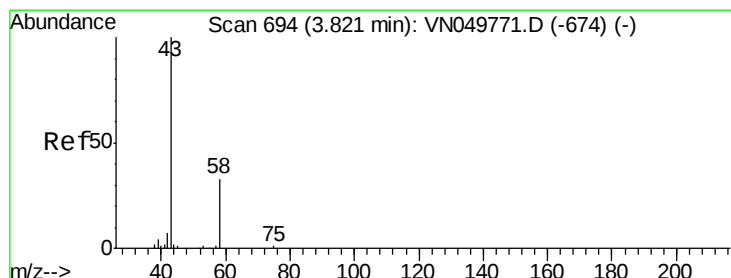


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 5.90 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049801.D

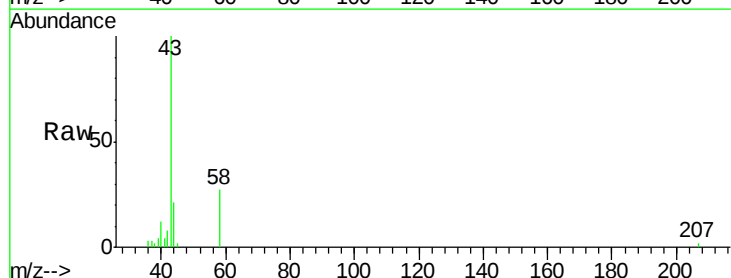
Acq: 13 Jul 2018 17:01

Tgt Ion: 43 Resp: 26617

Ion Ratio Lower Upper

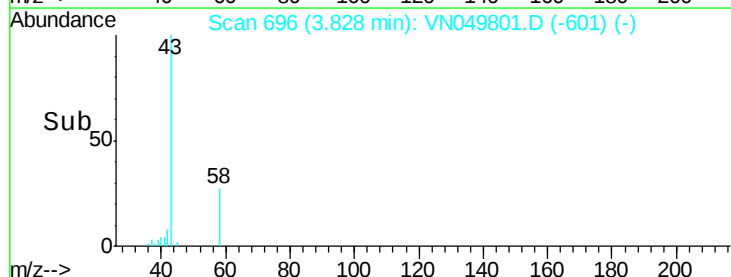
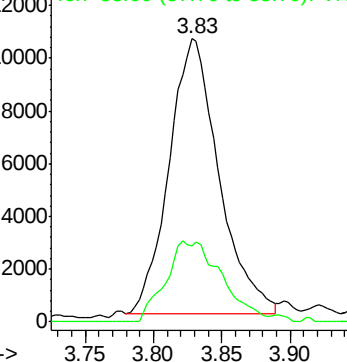
43 100

58 27.6 25.9 38.9

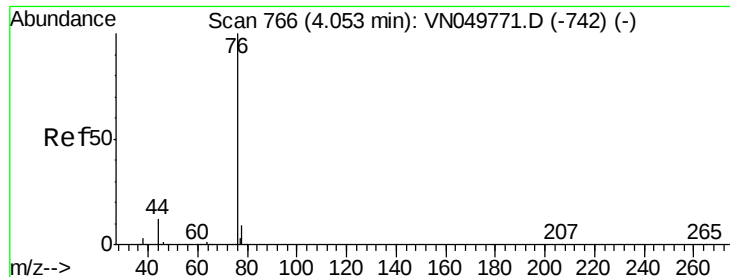


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



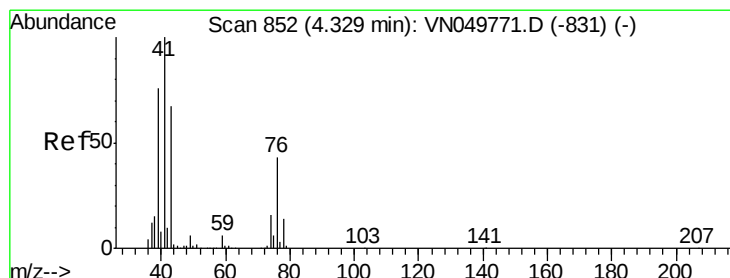
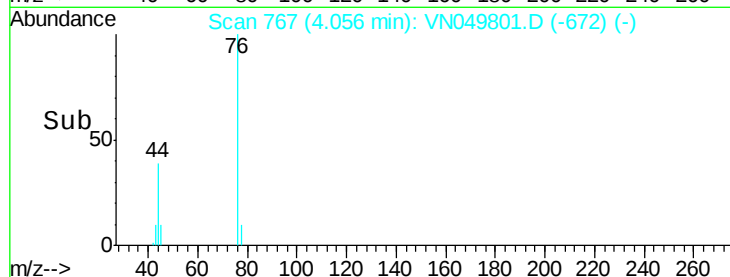
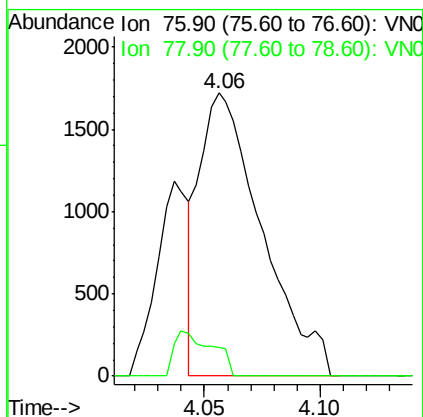
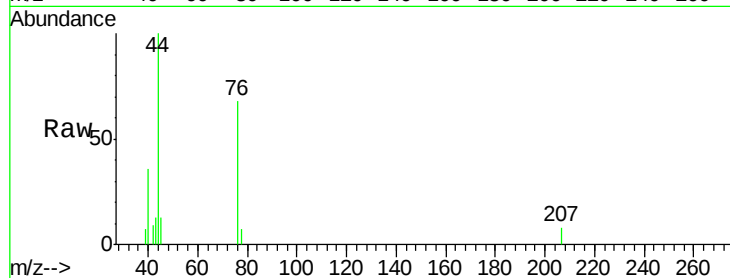
Time-->



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.06 min Scan# 767  
Delta R.T. 0.00 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

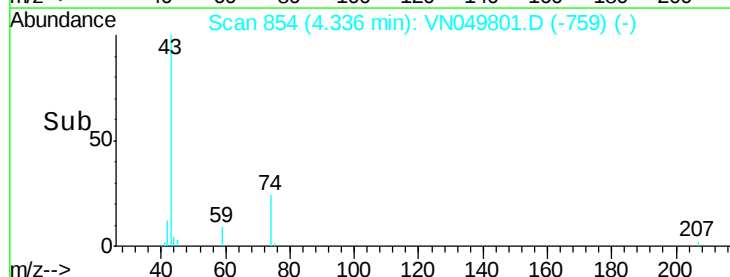
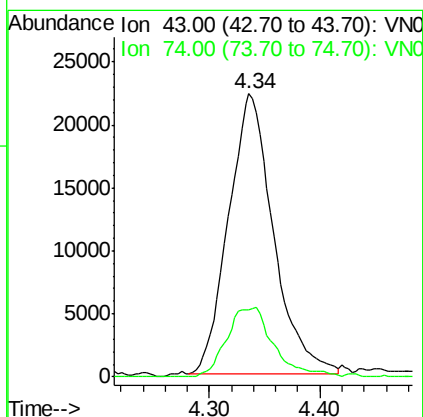
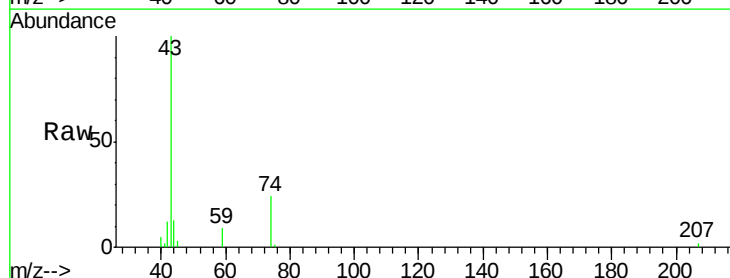
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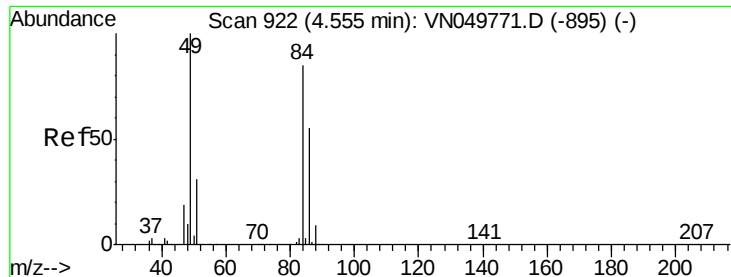
Tot Ion: 76 Resp: 3210  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.1 10.7



#18  
Methyl Acetate  
Concen: 4.83 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

Tgt Ion: 43 Resp: 62599  
Ion Ratio Lower Upper  
43 100  
74 25.9 19.8 29.8

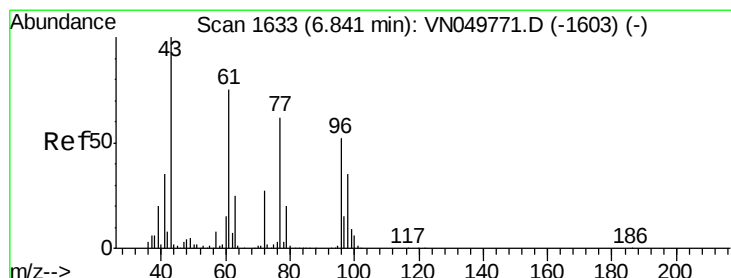
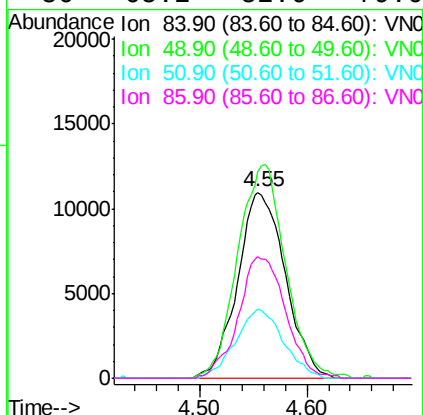
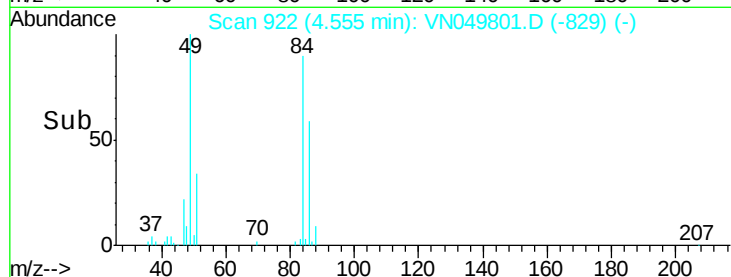
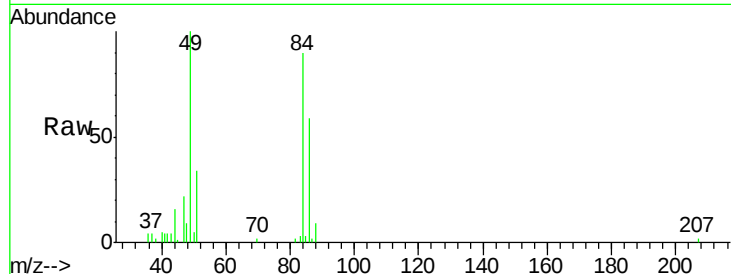




#20  
Methvlene Chloride  
Concen: 1.52 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

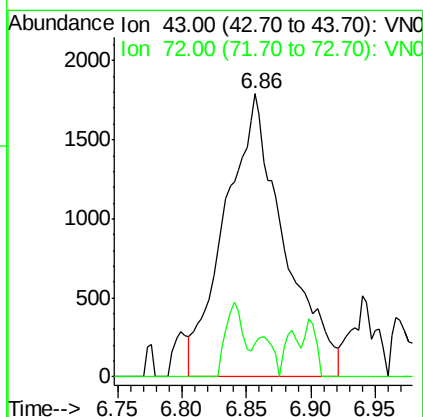
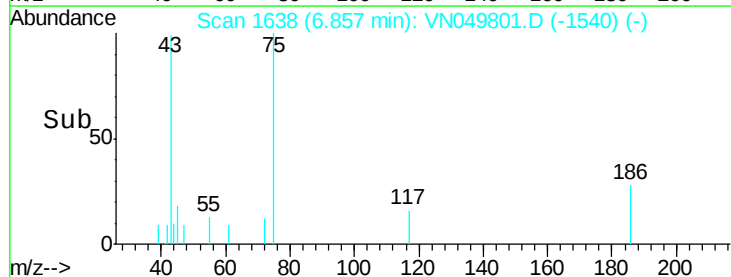
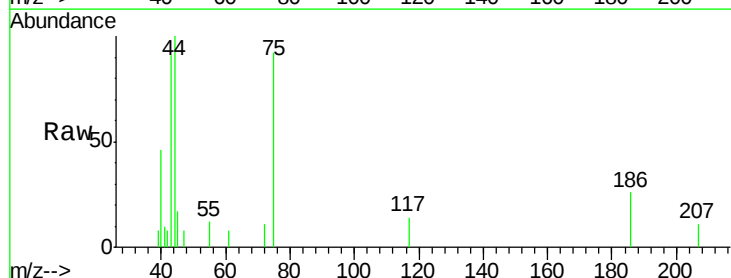
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111069ZHE#04

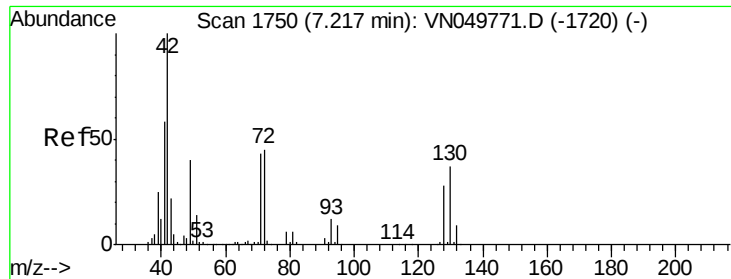
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 33636 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.6 | 95.4  | 143.2 |
| 51       | 37.3  | 28.4  | 42.6  |
| 86       | 65.2  | 52.6  | 79.0  |



#25  
2-Butanone  
Concen: 1.07 ug/l  
RT: 6.86 min Scan# 1638  
Delta R.T. 0.02 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5682  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 13.1  | 22.1  | 33.1# |

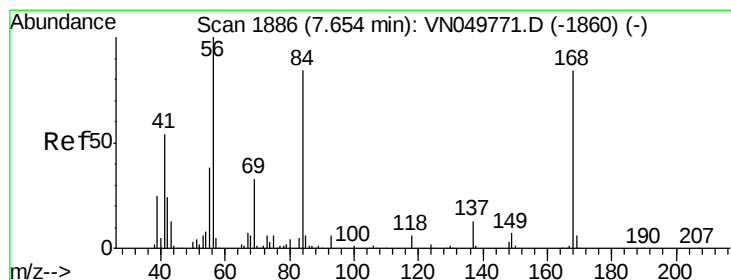
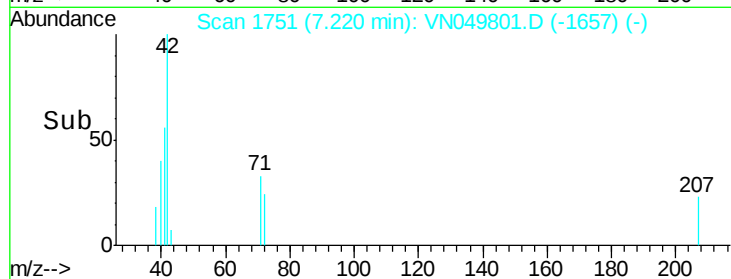
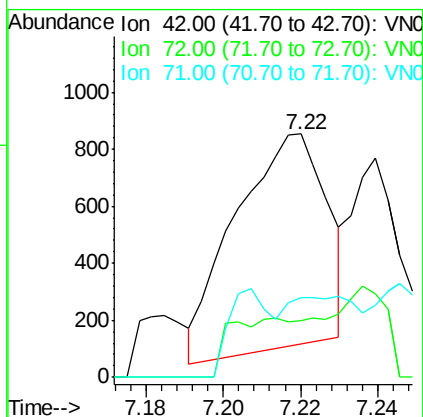
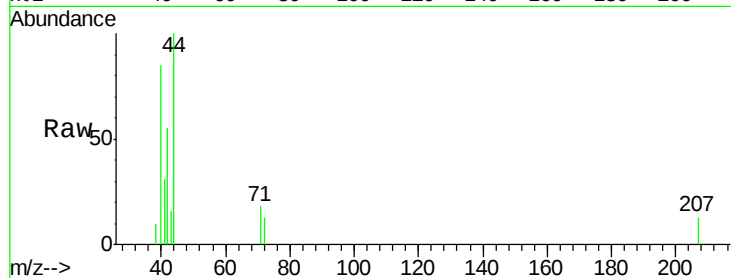




#29  
Tetrahydrofuran  
Concen: 0.37 ug/l  
RT: 7.22 min Scan# 1751  
Delta R.T. 0.00 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

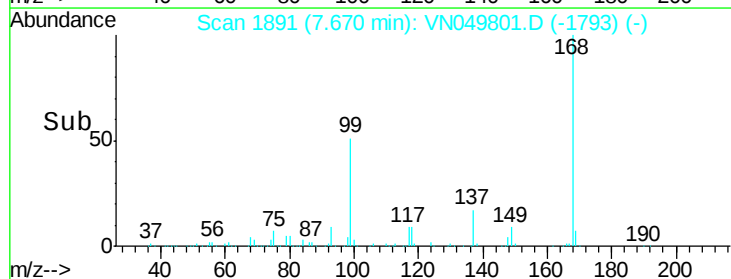
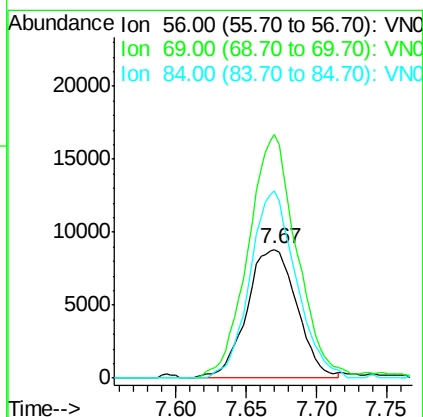
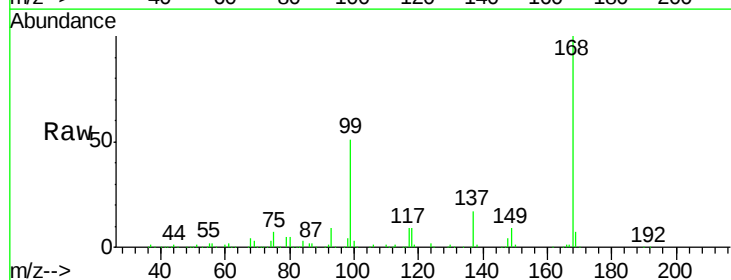
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111069ZHE#04

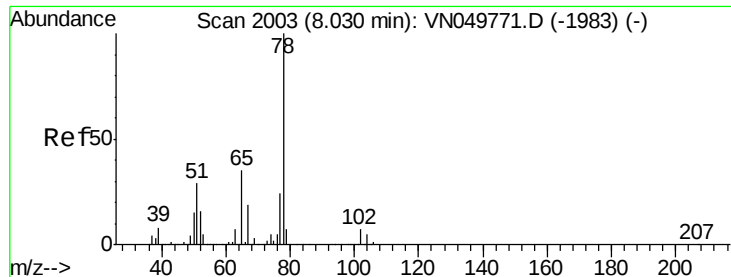
Tot Ion: 42 Resp: 1232  
Ion Ratio Lower Upper  
42 100  
72 18.3 35.6 53.4#  
71 19.1 34.0 51.0#



#31  
Cyclohexane  
Concen: 0.78 ug/l  
RT: 7.67 min Scan# 1891  
Delta R.T. 0.02 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

Tgt Ion: 56 Resp: 21881  
Ion Ratio Lower Upper  
56 100  
69 188.9 26.6 40.0#  
84 145.4 69.0 103.6#

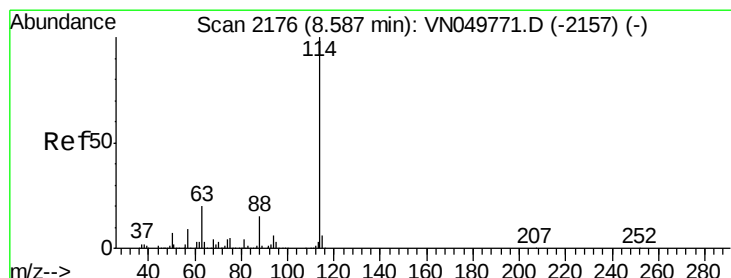
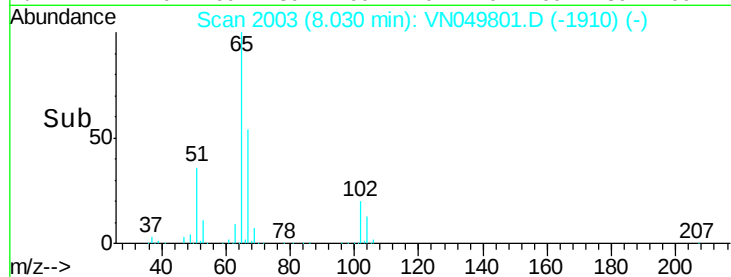
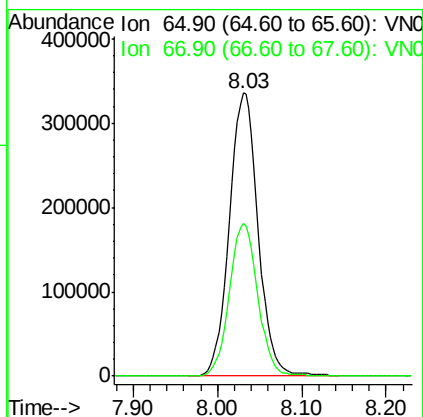
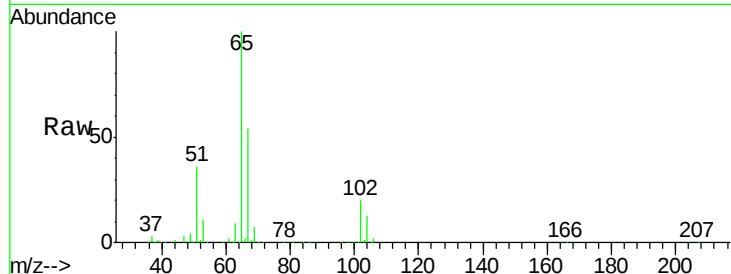




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.37 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. -0.00 min  
 Lab File: VN049801.D  
 Acq: 13 Jul 2018 17:01

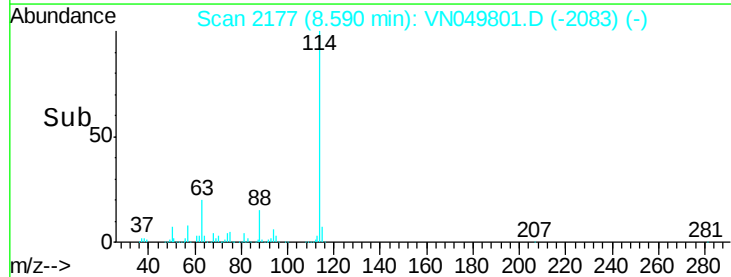
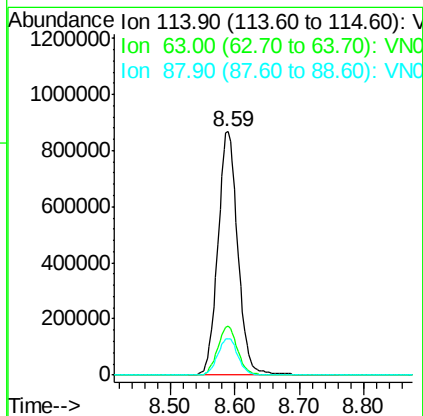
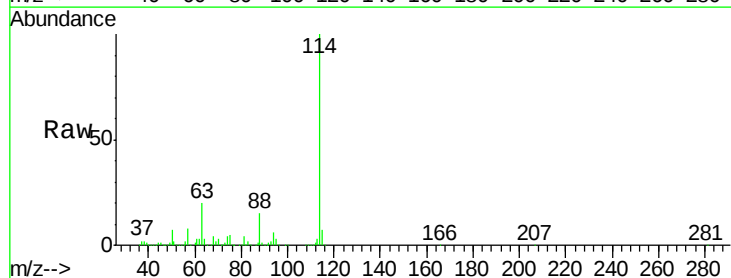
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111069ZHE#04

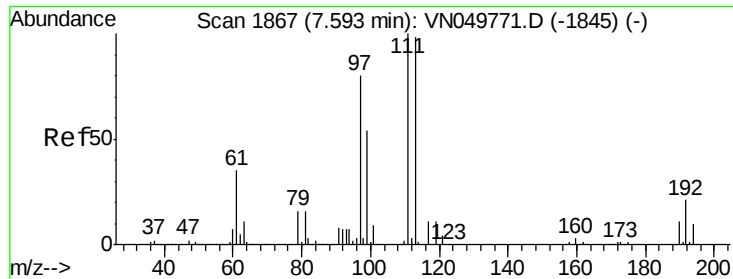
Tot Ion: 65 Resp: 795936  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049801.D  
 Acq: 13 Jul 2018 17:01

Tgt Ion: 114 Resp: 1868099  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 39.8  
 88 15.1 0.0 30.6

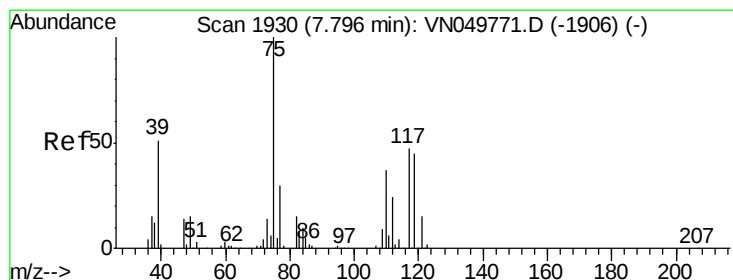
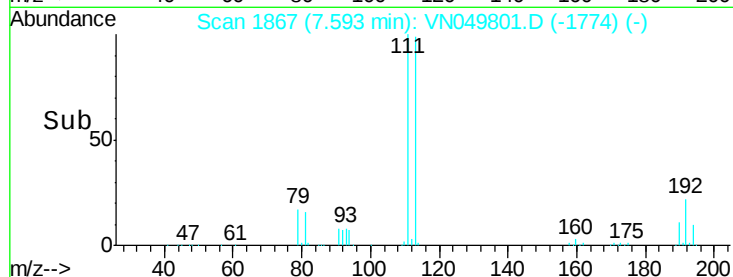
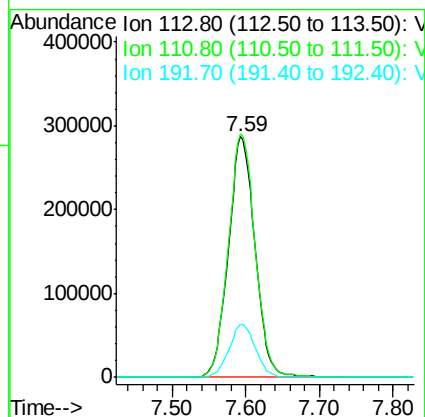
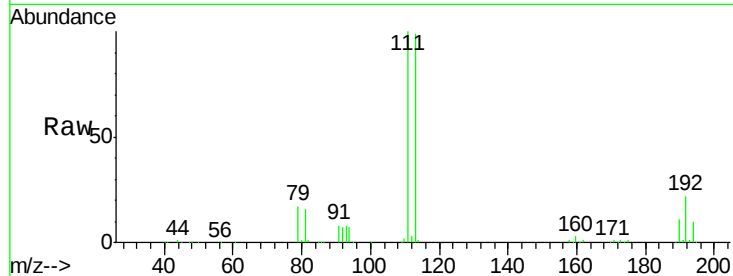




#35  
 Dibromofluoromethane  
 Concen: 51.12 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN049801.D  
 Acq: 13 Jul 2018 17:01

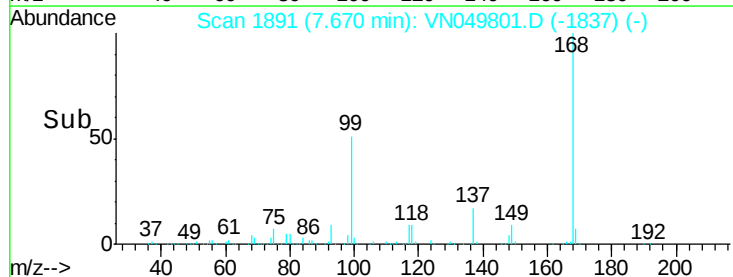
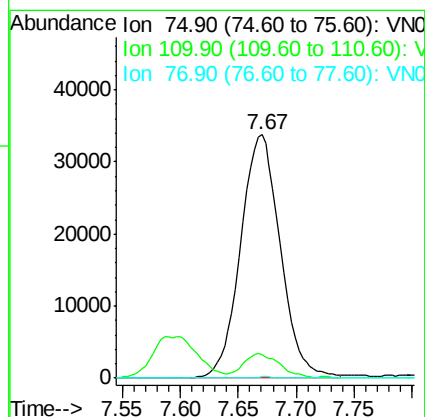
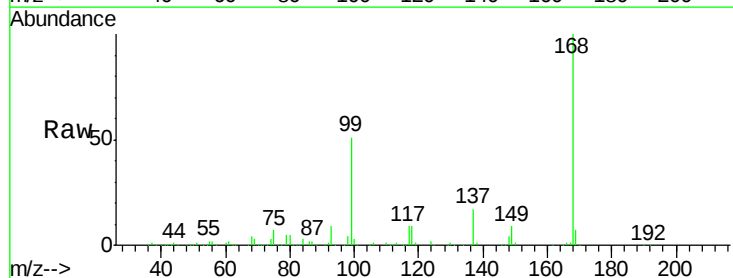
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111069ZHE#04

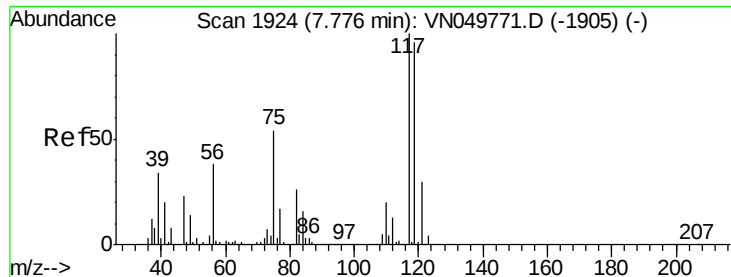
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 81.8  | 122.8 |
| 192     | 21.9  | 17.8  | 26.6  |



#36  
 1,1-Dichloropropene  
 Concen: 3.75 ug/l  
 RT: 7.67 min Scan# 1891  
 Delta R.T. -0.13 min  
 Lab File: VN049801.D  
 Acq: 13 Jul 2018 17:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.2   | 18.1  | 54.4# |
| 77      | 0.1   | 24.9  | 37.3# |

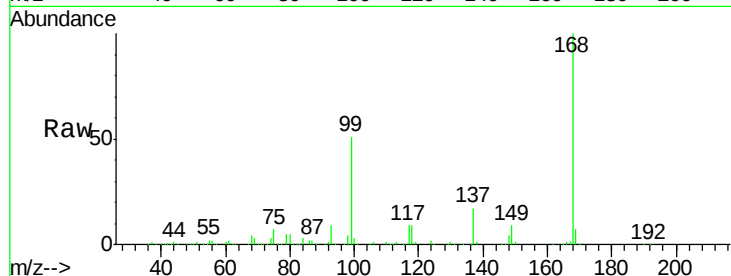




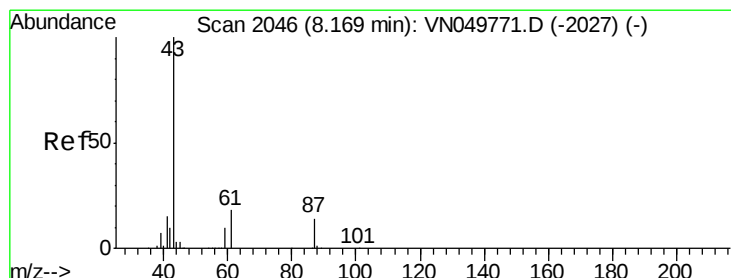
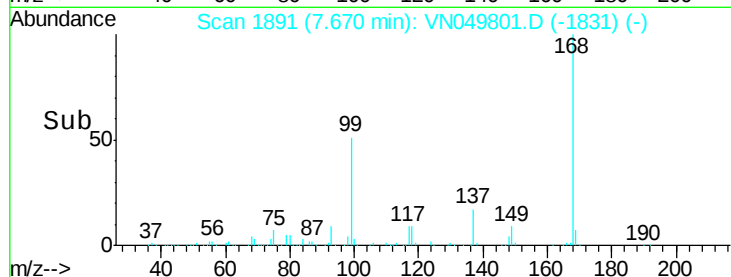
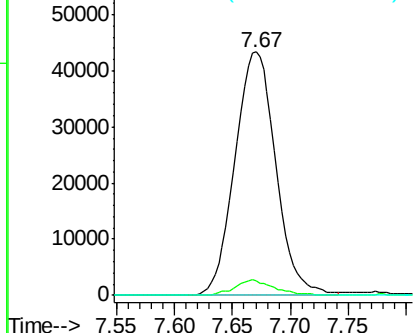
#38  
Carbon Tetrachloride  
Concen: 4.74 ug/l  
RT: 7.67 min Scan# 1891  
Delta R.T. -0.11 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111069ZHE#04

Tot Ion:117 Resp: 106573  
Ion Ratio Lower Upper  
117 100  
119 5.9 77.2 115.8#  
121 0.0 25.0 37.6#

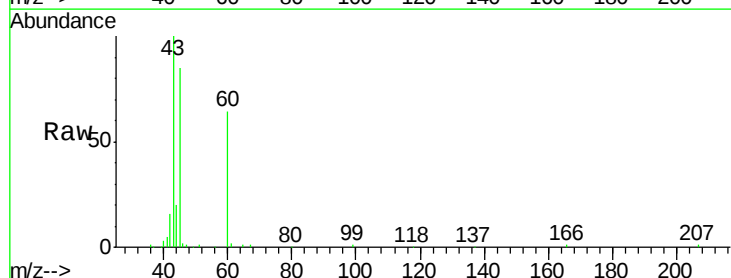


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

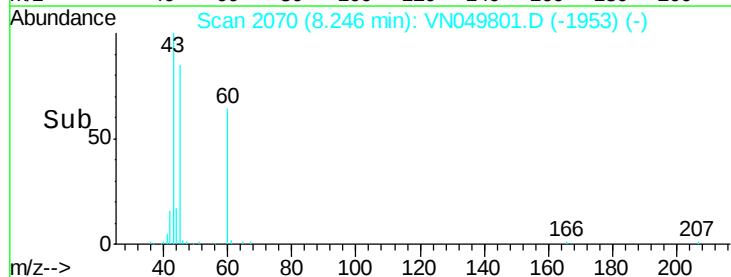
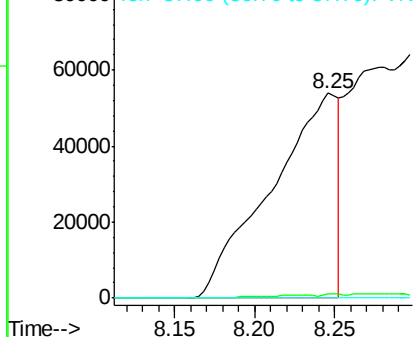


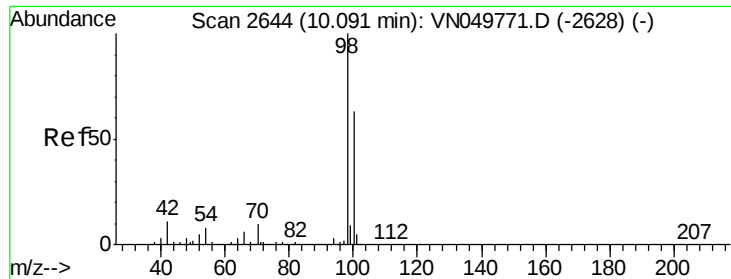
#43  
Isopropyl Acetate  
Concen: 6.79 ug/l  
RT: 8.25 min Scan# 2070  
Delta R.T. 0.08 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

Tgt Ion: 43 Resp: 155427  
Ion Ratio Lower Upper  
43 100  
61 0.5 14.9 22.3#  
87 0.0 10.0 15.0#



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





#50

Toluene-d8

Concen: 52.71 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

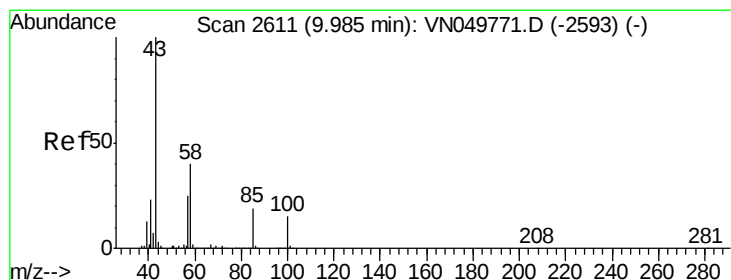
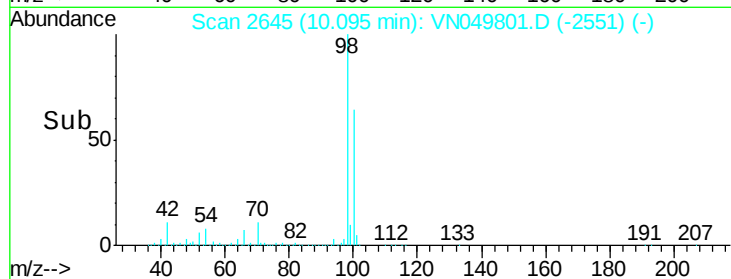
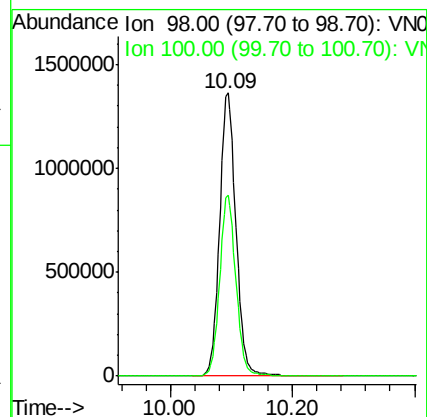
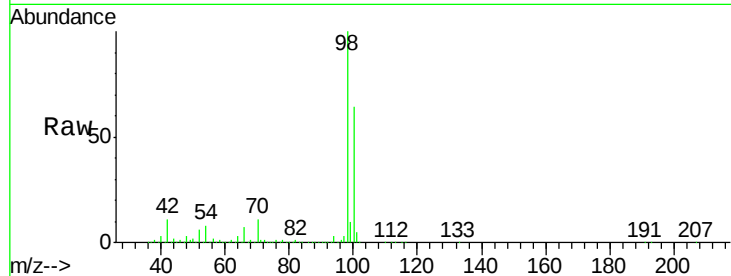
PB111069ZHE#04

Tot Ion: 98 Resp: 2540711

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: VN049801.D

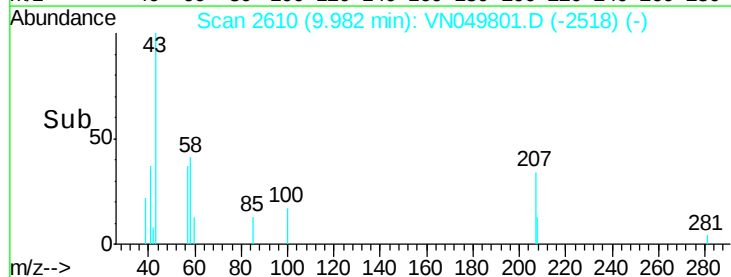
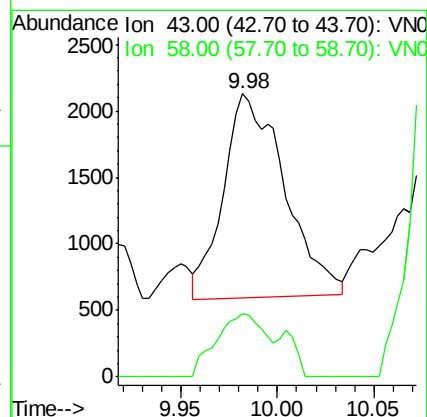
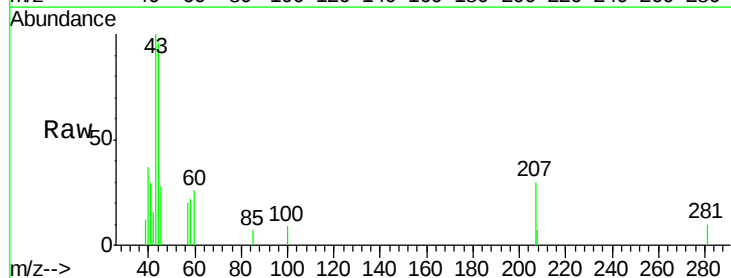
Acq: 13 Jul 2018 17:01

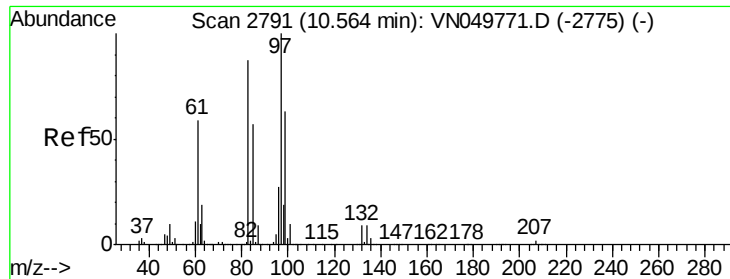
Tgt Ion: 43 Resp: 3385

Ion Ratio Lower Upper

43 100

58 24.7 31.8 47.8#

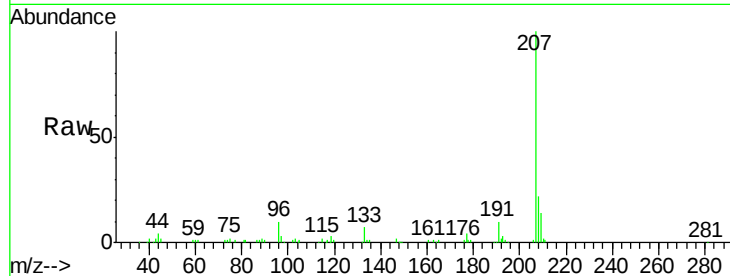




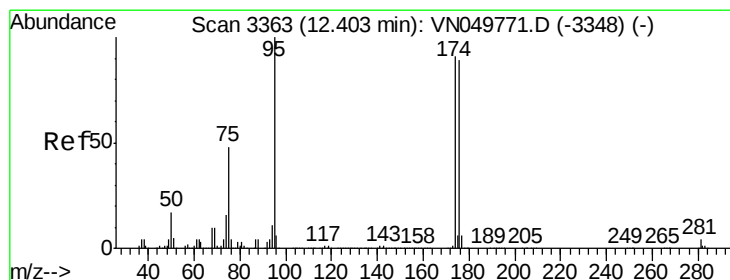
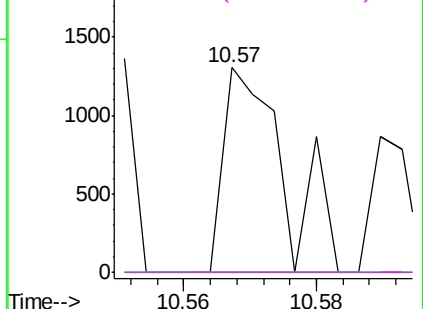
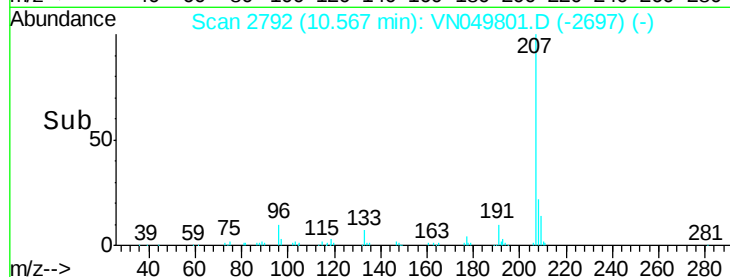
#55  
 1,1,2-Trichloroethane  
 Concen: Below Cal  
 RT: 10.57 min Scan# 2792  
 Delta R.T. 0.00 min  
 Lab File: VN049801.D  
 Acq: 13 Jul 2018 17:01

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111069ZHE#04

Tot Ion: 97 Resp: 836  
 Ion Ratio Lower Upper  
 97 100  
 83 0.0 69.0 103.6#  
 85 0.0 44.9 67.3#  
 99 0.0 49.8 74.6#

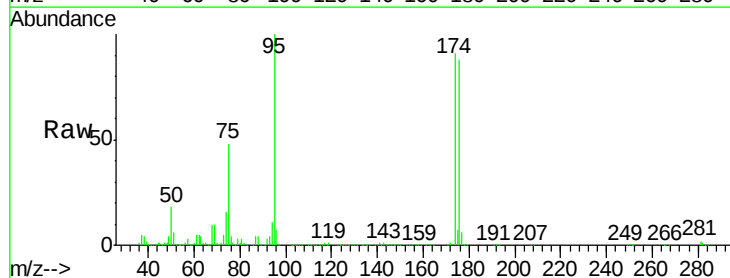


Abundance Ion 96.90 (96.60 to 97.60): VN0  
 Ion 82.90 (82.60 to 83.60): VN0  
 Ion 84.90 (84.60 to 85.60): VN0  
 Ion 98.90 (98.60 to 99.60): VN0

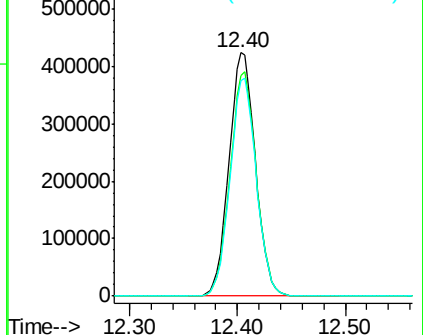
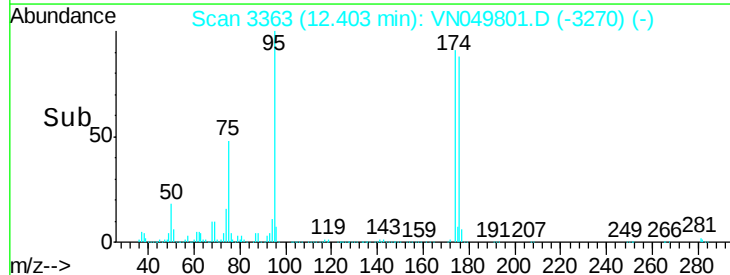


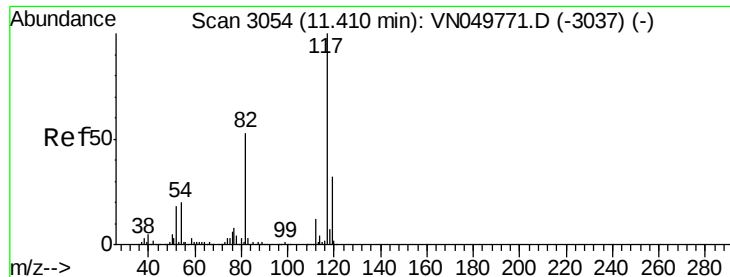
#62  
 4-Bromofluorobenzene  
 Concen: 42.09 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. -0.00 min  
 Lab File: VN049801.D  
 Acq: 13 Jul 2018 17:01

Tgt Ion: 95 Resp: 724525  
 Ion Ratio Lower Upper  
 95 100  
 174 91.4 0.0 179.6  
 176 88.8 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN0  
 Ion 173.80 (173.50 to 174.50): V  
 Ion 175.80 (175.50 to 176.50): V

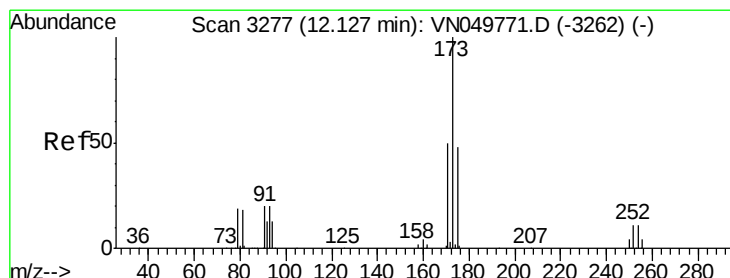
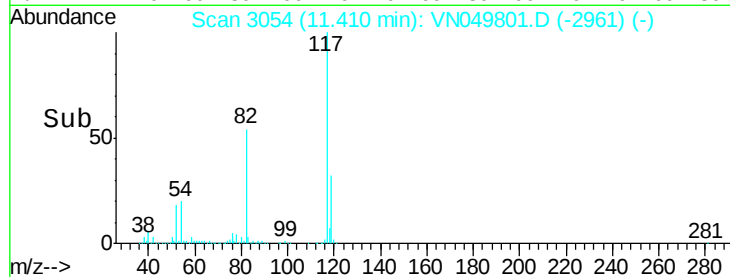
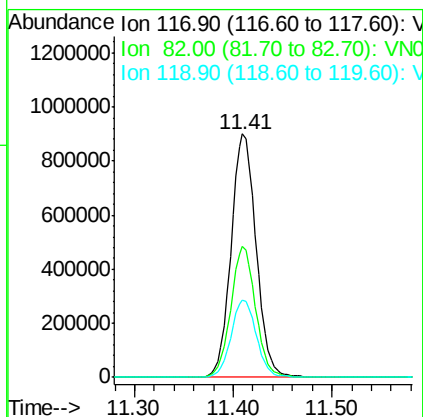
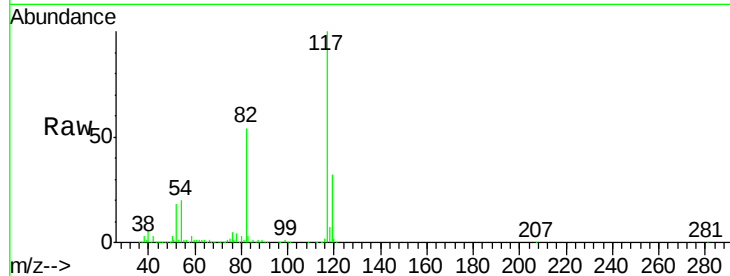




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

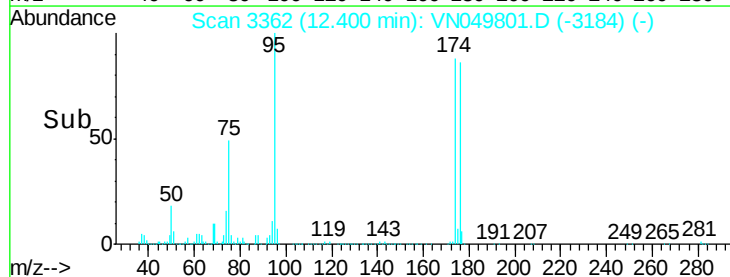
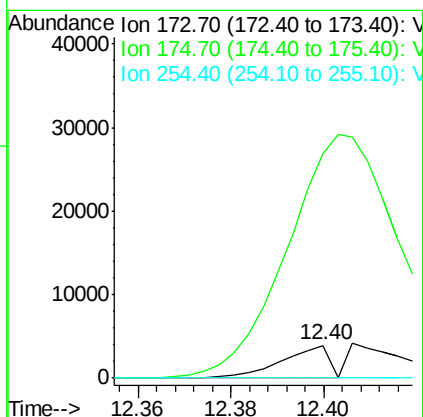
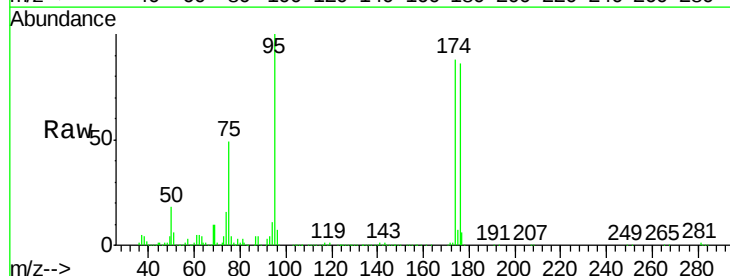
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111069ZHE#04

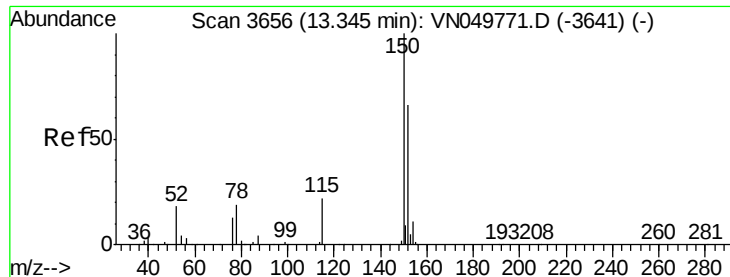
Tot Ion:117 Resp: 1594336  
Ion Ratio Lower Upper  
117 100  
82 53.6 41.9 62.9  
119 31.8 25.4 38.2



#71  
Bromoform  
Concen: 0.26 ug/l  
RT: 12.40 min Scan# 3362  
Delta R.T. 0.27 min  
Lab File: VN049801.D  
Acq: 13 Jul 2018 17:01

Tgt Ion:173 Resp: 2744  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.6 73.8#  
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

PB111069ZHE#04

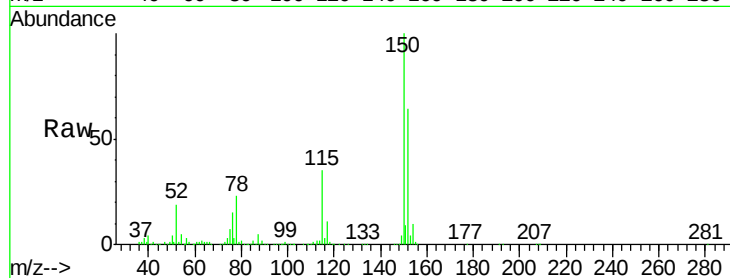
Tot Ion:152 Resp: 611748

Ion Ratio Lower Upper

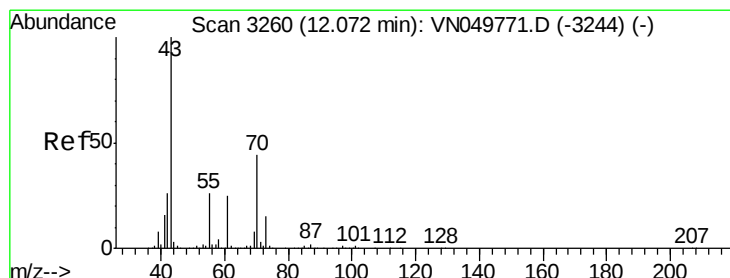
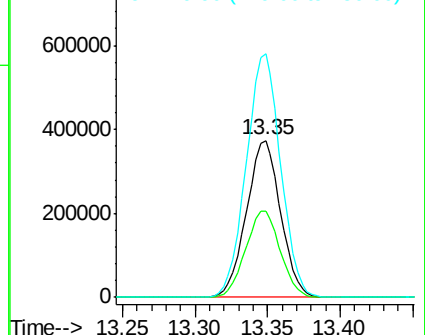
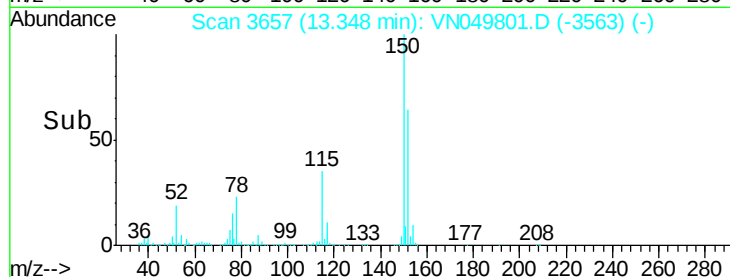
152 100

115 55.6 28.1 84.2

150 156.6 0.0 347.6



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



#74

N-ethyl acetate

Concen: 0.31 ug/l

RT: 12.05 min Scan# 3253

Delta R.T. -0.02 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Tgt Ion: 43 Resp: 4145

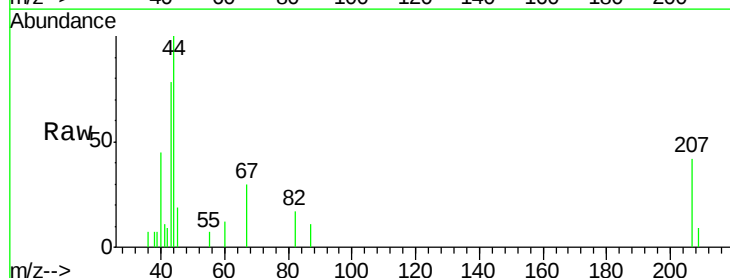
Ion Ratio Lower Upper

43 100

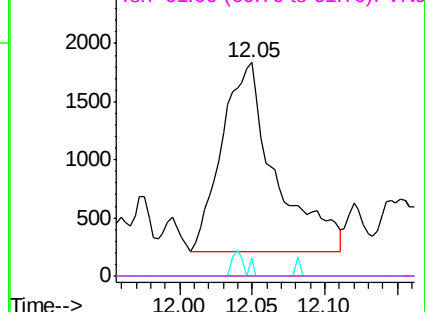
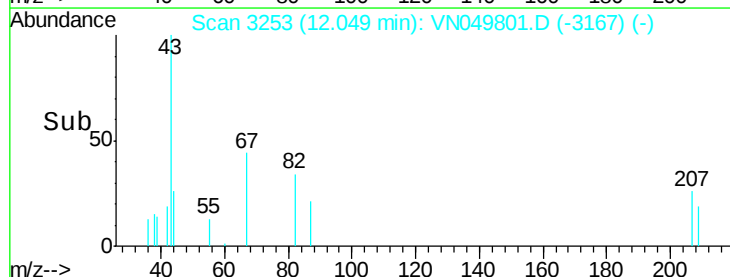
70 0.0 34.8 52.2#

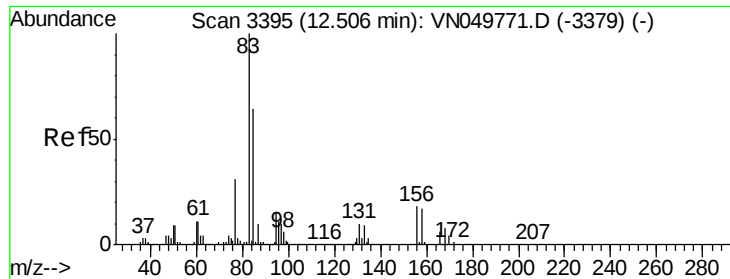
55 3.2 20.9 31.3#

61 0.0 19.9 29.9#



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3400

Delta R.T. 0.02 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

PB111069ZHE#04

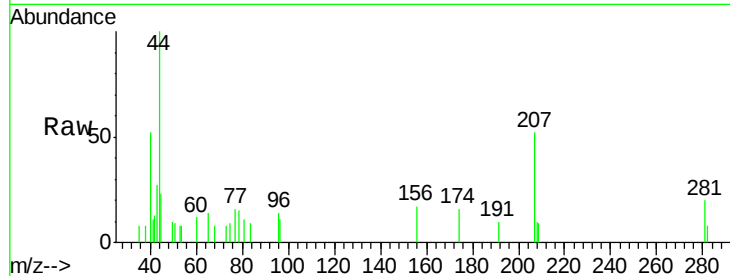
Tot Ion: 83 Resp: 68

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.5 97.4#

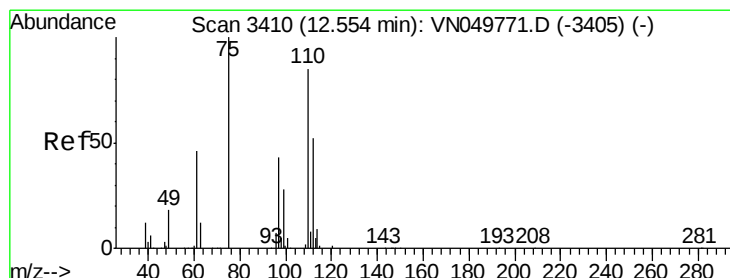
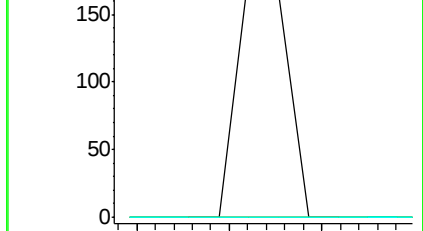
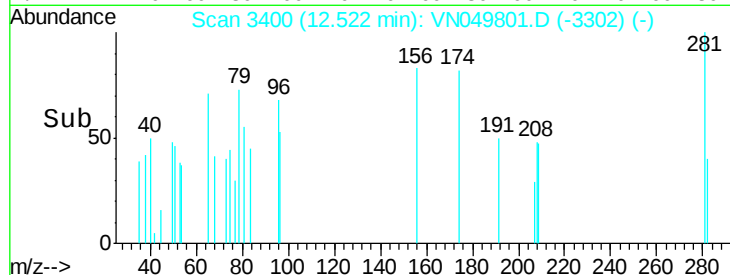


Abundance Ion 82.90 (82.60 to 83.60): VN049801.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049801.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049801.D (-3302) (-)

Time--> 12.51 12.52 12.53



#76

1,2,3-Trichloropropane

Concen: 32.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049801.D

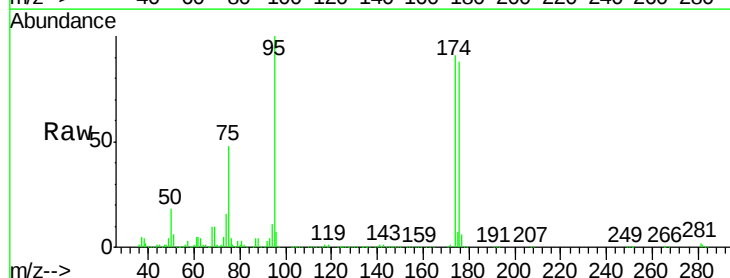
Acq: 13 Jul 2018 17:01

Tgt Ion: 75 Resp: 354097

Ion Ratio Lower Upper

75 100

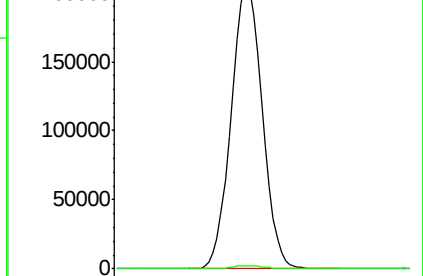
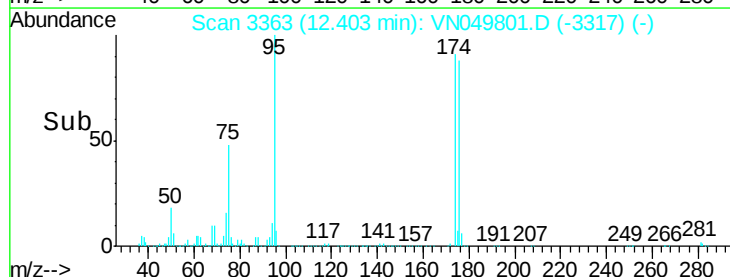
77 1.4 0.0 0.0#

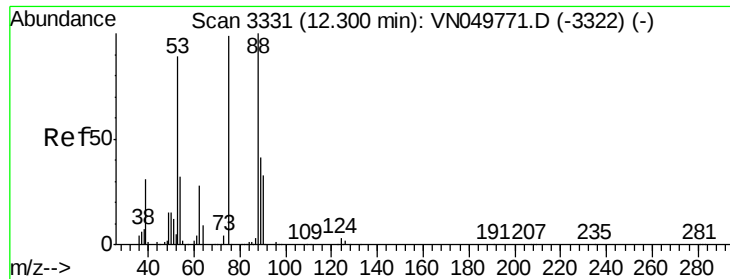


Abundance Ion 74.90 (74.60 to 75.60): VN049801.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049801.D (-3317) (-)

Time--> 12.30 12.40 12.50





#81

trans-1,4-Dichloro-2-butene

Concen: 105.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

PB111069ZHE#04

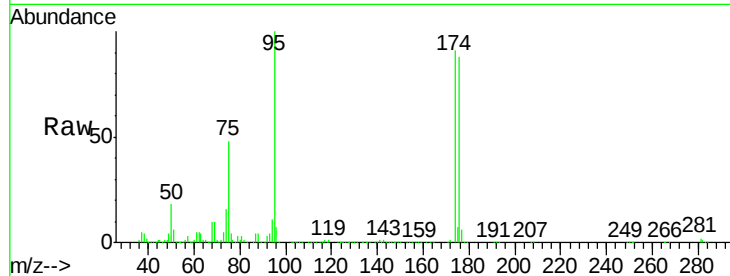
Tot Ion: 75 Resp: 354097

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

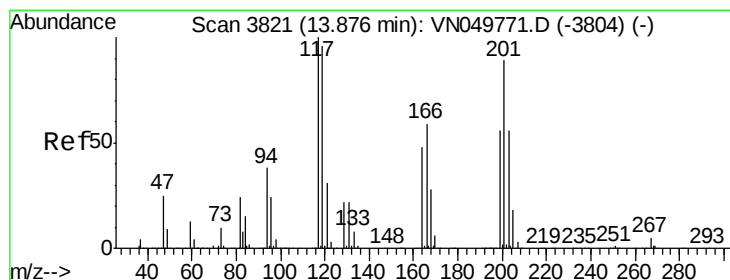
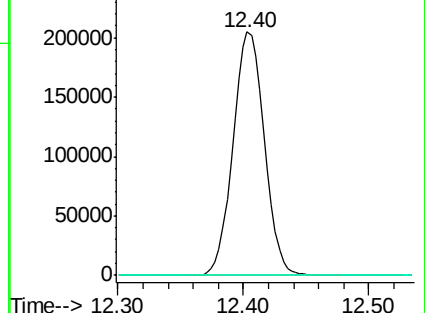
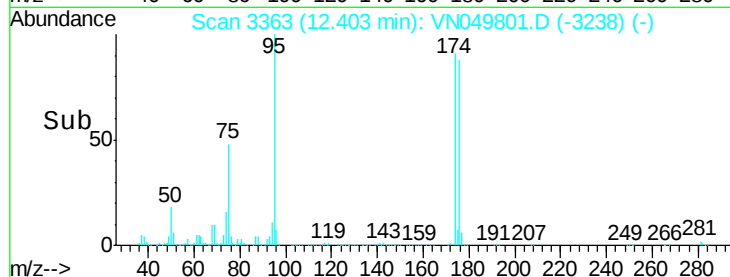
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049801.D (-3238) (-)

Ion 53.00 (52.70 to 53.70): VN049801.D (-3238) (-)

Ion 88.90 (88.60 to 89.60): VN049801.D (-3238) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3820

Delta R.T. -0.00 min

Lab File: VN049801.D

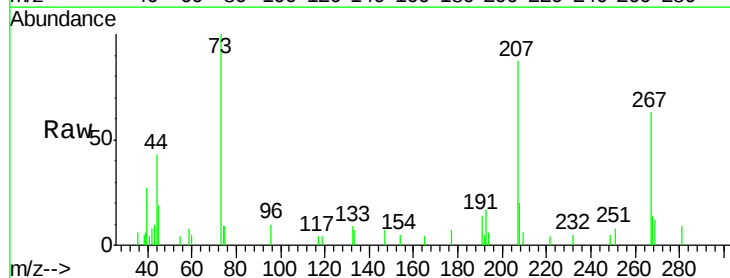
Acq: 13 Jul 2018 17:01

Tgt Ion: 117 Resp: 123

Ion Ratio Lower Upper

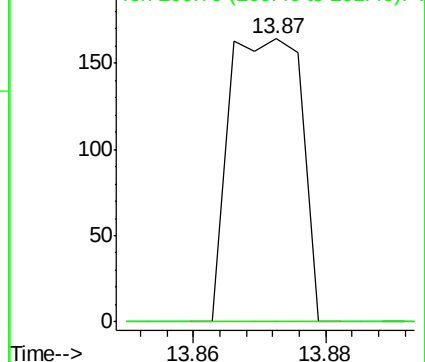
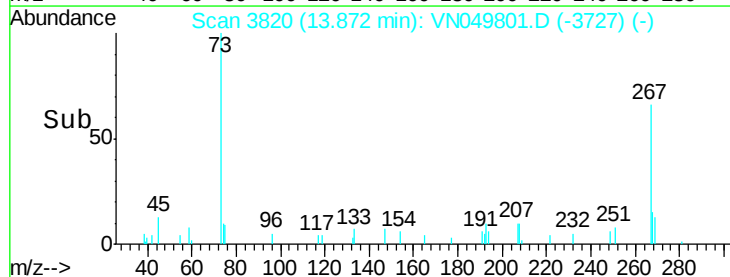
117 100

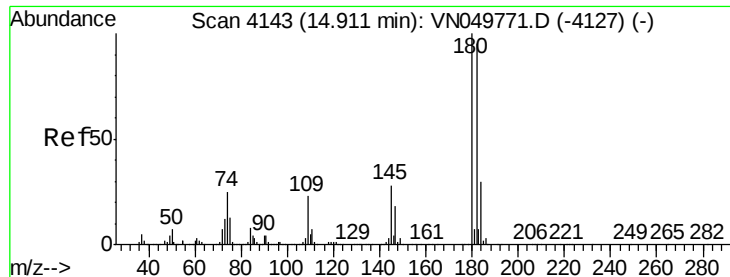
201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): VN049801.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049801.D (-3727) (-)





#93

1,2,4-Trichlorobenzene

Concen: 2.94 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

PB111069ZHE#04

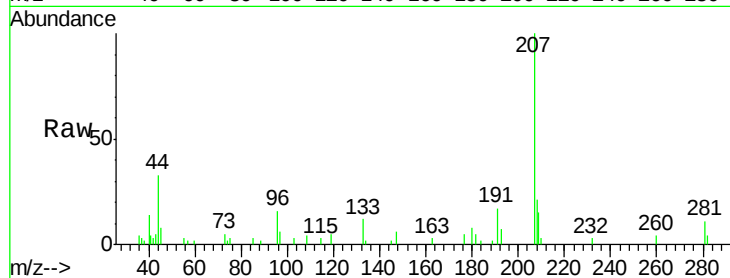
Tot Ion:180 Resp: 714

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.9#

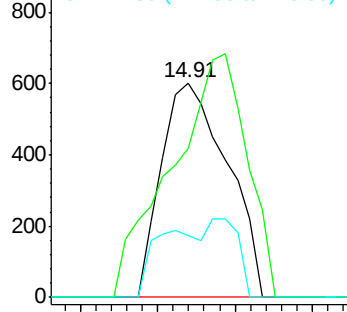
145 23.2 14.4 43.0



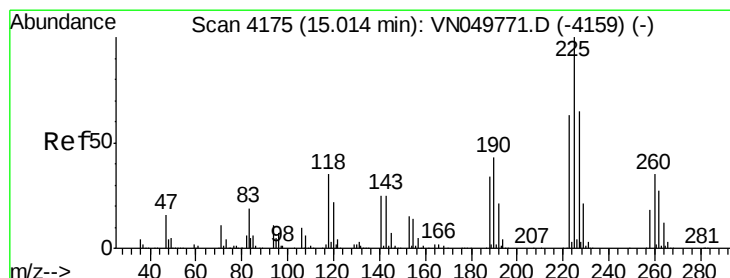
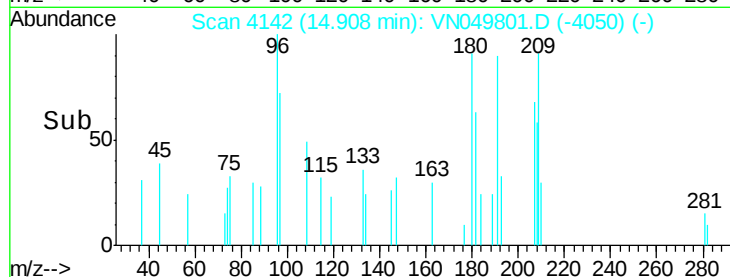
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

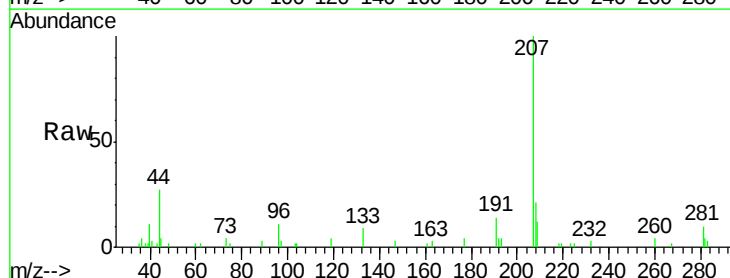
Tgt Ion:225 Resp: 139

Ion Ratio Lower Upper

225 100

223 85.6 30.9 92.7

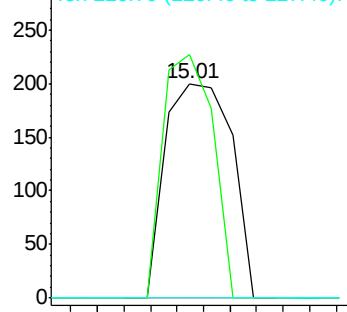
227 0.0 31.8 95.4#



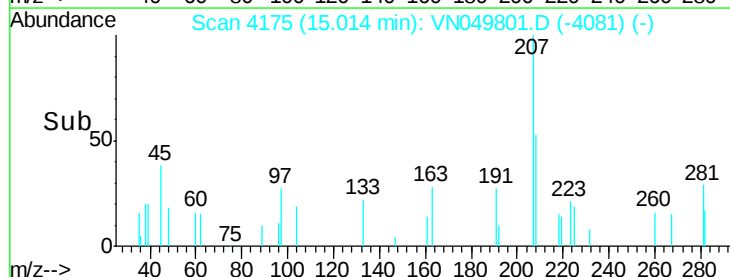
Abundance Ion 224.70 (224.40 to 225.40): V

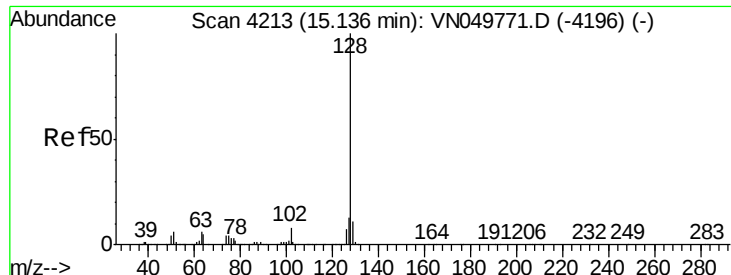
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 4.09 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049801.D

Acq: 13 Jul 2018 17:01

Instrument :

MSVOA\_N

ClientSampleId :

PB111069ZHE#04

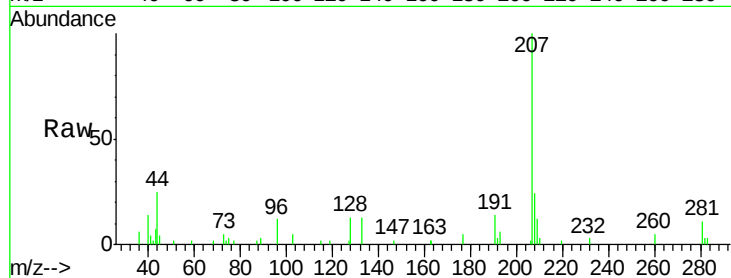
Tot Ion:128 Resp: 1973

Ion Ratio Lower Upper

128 100

127 7.1 10.4 15.6#

129 7.1 8.6 13.0#



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

