

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\  
 Data File : VN049961.D  
 Acq On : 20 Jul 2018 14:37  
 Operator : MD\SY  
 Sample : PB111289ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111289ZHE#01

Quant Time: Jul 20 23:46:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 19 01:58:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 565795   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 946259   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 802010   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 292303   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 410915   | 52.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.68% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 362177   | 45.59 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.18%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1280398  | 44.24 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.48%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 353798   | 35.49 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 70.98%  |      |

## Target Compounds

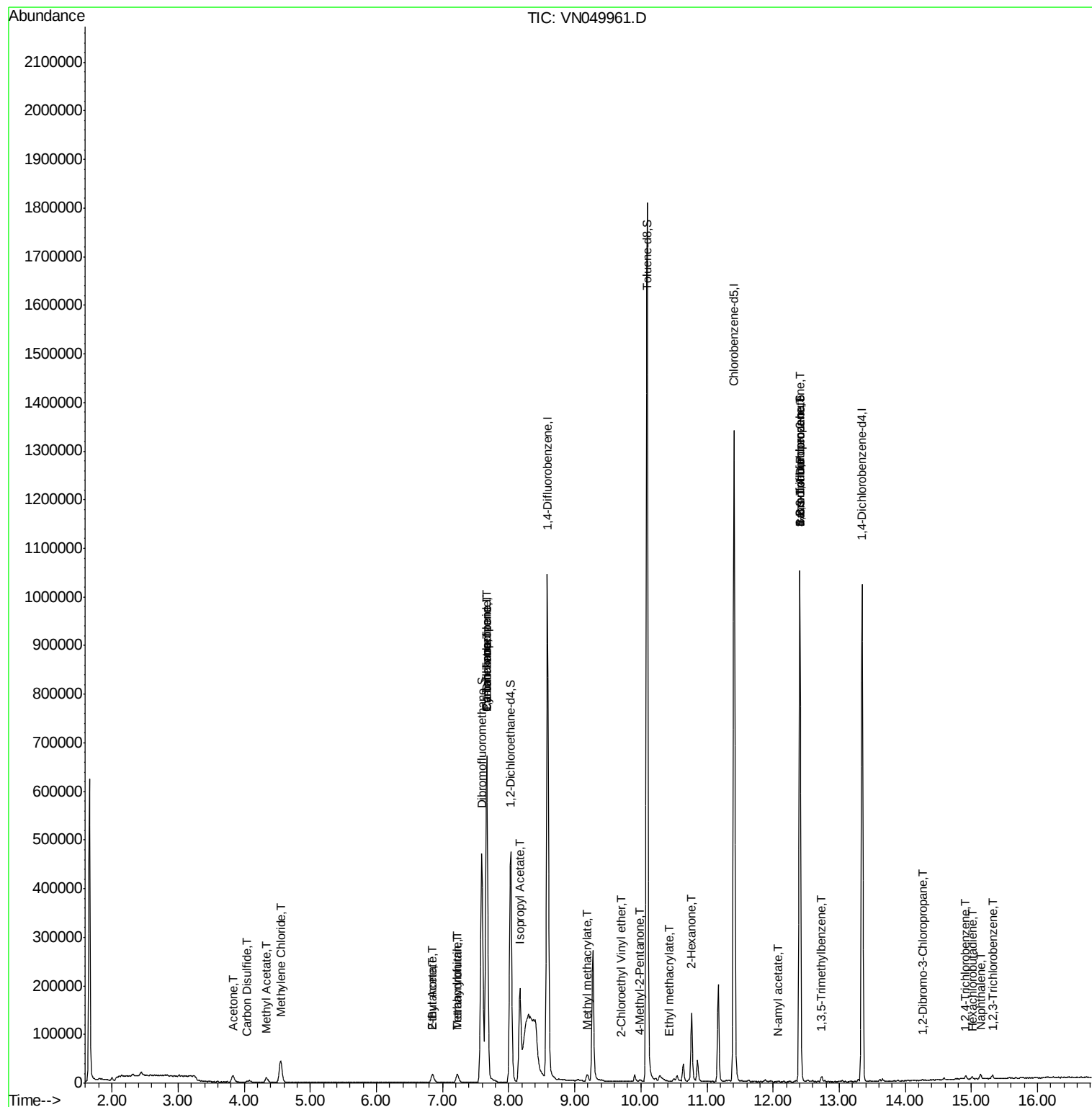
|                                |       |     |        |           |        | Qvalue |
|--------------------------------|-------|-----|--------|-----------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.85  | 85  | 62     | Below Cal | #      | 44     |
| 5) Bromomethane                | 2.57  | 94  | 1039   | Below Cal | #      | 52     |
| 16) Acetone                    | 3.83  | 43  | 24424  | 12.13     | ug/l   | 96     |
| 17) Carbon Disulfide           | 4.05  | 76  | 4487   | 0.24      | ug/l # | 75     |
| 18) Methyl Acetate             | 4.33  | 43  | 17282  | 1.94      | ug/l   | 97     |
| 20) Methylene Chloride         | 4.55  | 84  | 34988  | 4.57      | ug/l   | 96     |
| 25) 2-Butanone                 | 6.85  | 43  | 26269  | 9.13      | ug/l   | 96     |
| 29) Tetrahydrofuran            | 7.23  | 42  | 13927  | 7.68      | ug/l # | 79     |
| 31) Cyclohexane                | 7.67  | 56  | 10983  | 1.06      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 40491  | 3.85      | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.85  | 43  | 26269  | 3.64      | ug/l # | 69     |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 53101  | 4.71      | ug/l # | 17     |
| 41) Methacrylonitrile          | 7.22  | 41  | 8878   | 2.45      | ug/l # | 45     |
| 43) Isopropyl Acetate          | 8.17  | 43  | 250581 | 19.85     | ug/l   | 98     |
| 48) Methyl methacrylate        | 9.18  | 41  | 8275   | 1.31      | ug/l # | 20     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 2726   | 0.39      | ug/l # | 84     |
| 56) Ethyl methacrylate         | 10.43 | 69  | 254    | 2.18      | ug/l # | 51     |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63  | 62     | 9.80      | ug/l # | 48     |
| 59) 2-Hexanone                 | 10.77 | 43  | 22766  | 4.80      | ug/l # | 57     |
| 71) Bromoform                  | 12.40 | 173 | 2592   | 0.46      | ug/l # | 1      |
| 74) N-amyl acetate             | 12.08 | 43  | 1379   | 0.20      | ug/l # | 74     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 172894 | 31.53     | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105 | 5529   | 0.31      | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 172894 | 98.60     | ug/l # | 13     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75  | 480    | 0.47      | ug/l # | 13     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180 | 2838   | 3.93      | ug/l   | 93     |
| 94) Hexachlorobutadiene        | 15.01 | 225 | 1303   | 0.38      | ug/l   | 77     |
| 95) Naphthalene                | 15.14 | 128 | 7458   | 4.98      | ug/l   | 97     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180 | 2866   | 0.57      | ug/l   | 98     |

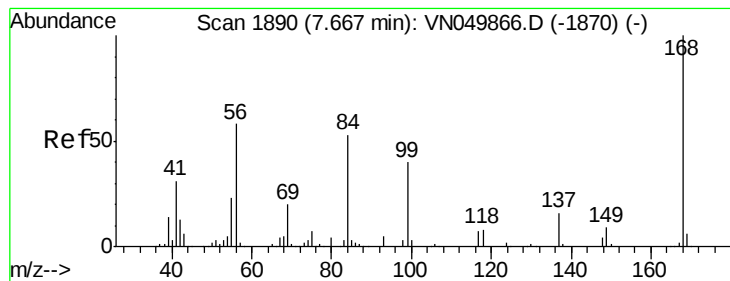
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB111289ZHE#01  
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ALS Vial : 7 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Thu Jul 19 01:58:39 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

Instrument :

MSVOA\_N

ClientSampleId :

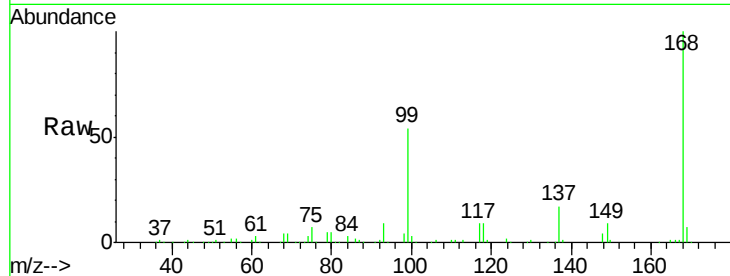
PB111289ZHE#01

Tot Ion:168 Resp: 565795

Ion Ratio Lower Upper

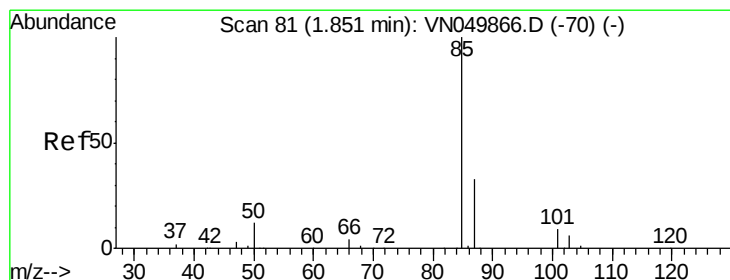
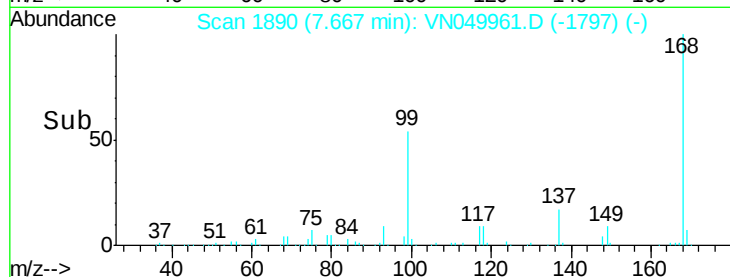
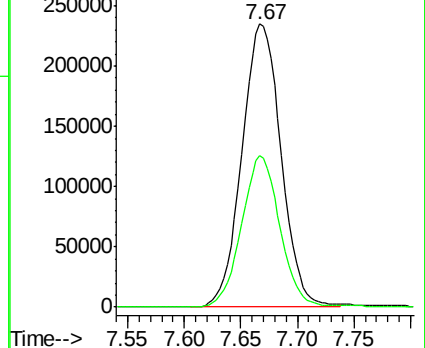
168 100

99 53.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049961.D

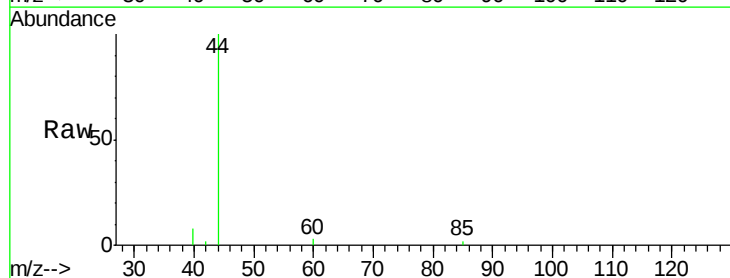
Acq: 20 Jul 2018 14:37

Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

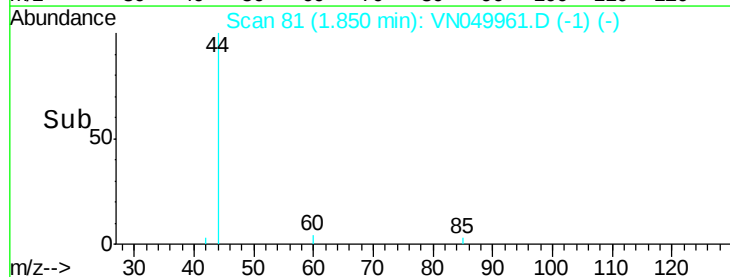
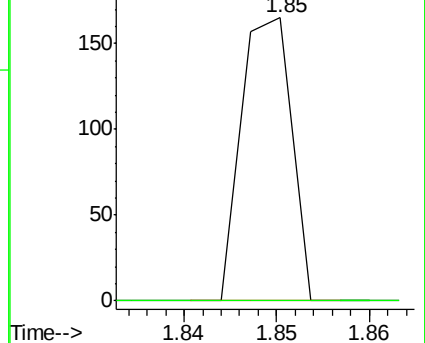
85 100

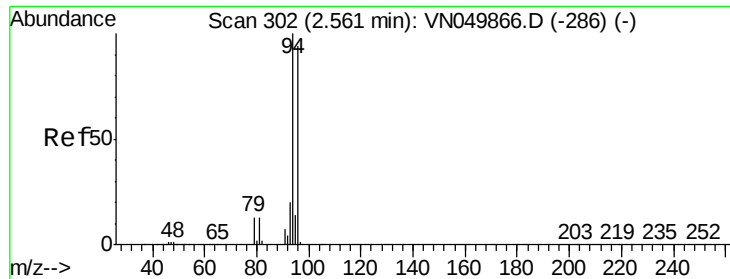
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

Instrument :

MSVOA\_N

ClientSampleId :

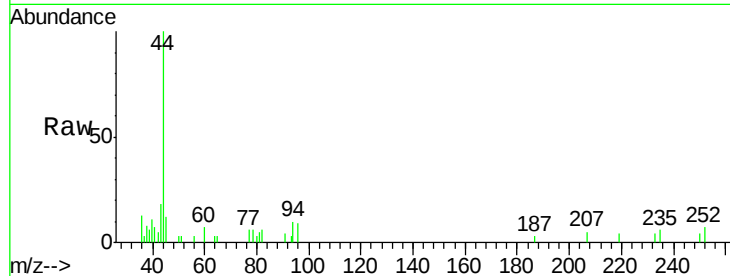
PB111289ZHE#01

Tot Ion: 94 Resp: 1039

Ion Ratio Lower Upper

94 100

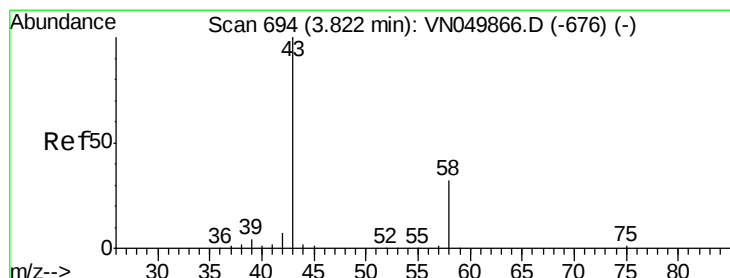
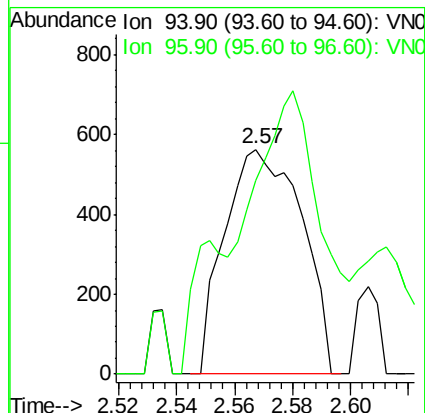
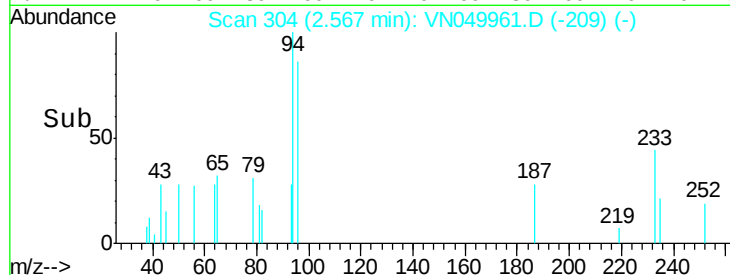
96 48.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN049866.D (-286) (-)

Ion 95.90 (95.60 to 96.60): VN049866.D (-286) (-)

Time-->



#16

Acetone

Concen: 12.13 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049961.D

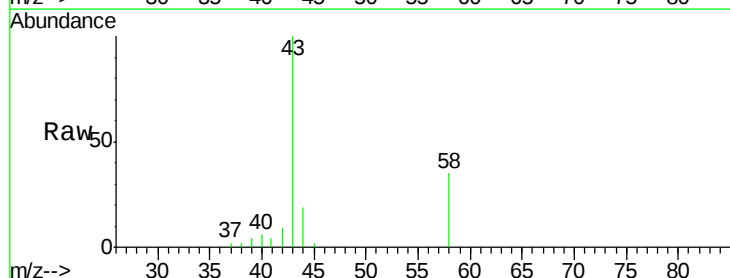
Acq: 20 Jul 2018 14:37

Tgt Ion: 43 Resp: 24424

Ion Ratio Lower Upper

43 100

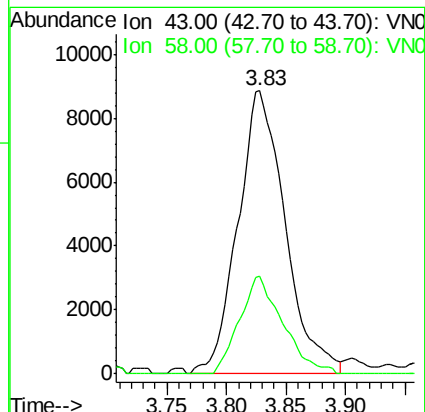
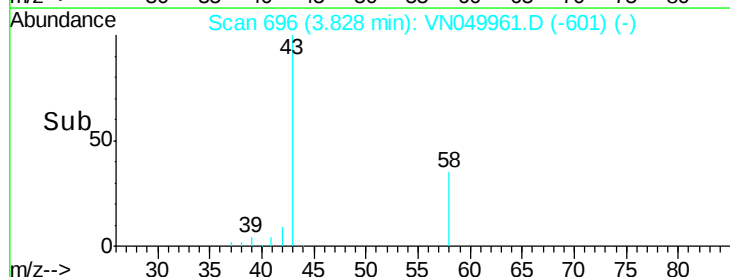
58 34.6 25.9 38.9

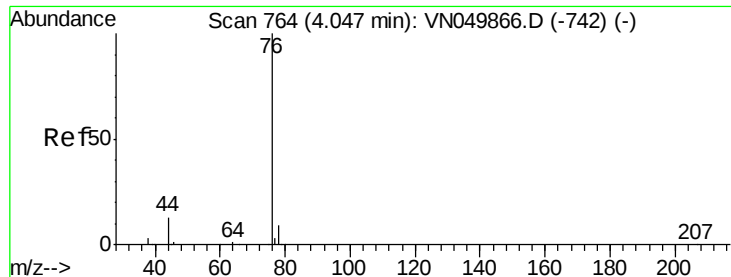


Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-676) (-)

Time-->

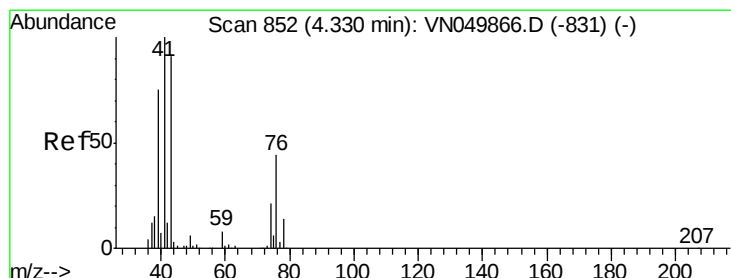
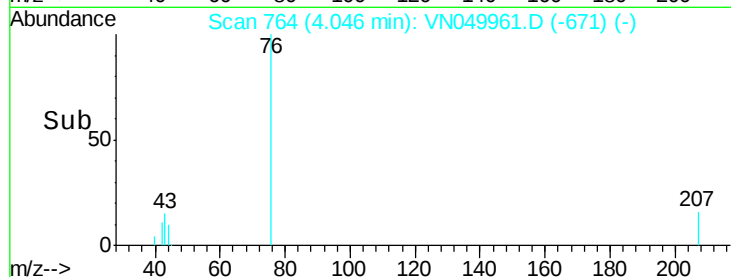
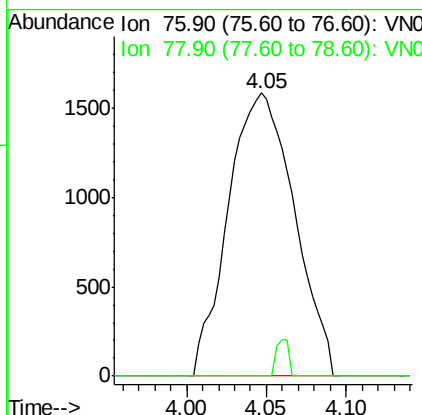
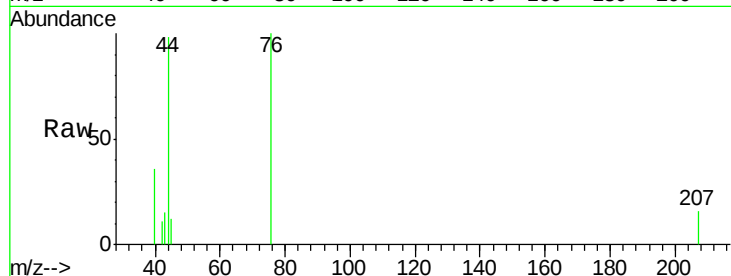




#17  
Carbon Disulfide  
Concen: 0.24 ug/l  
RT: 4.05 min Scan# 764  
Delta R.T. -0.00 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

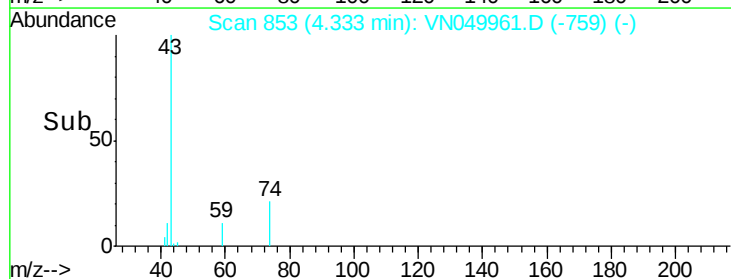
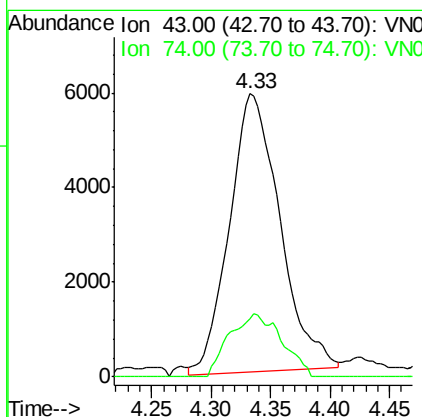
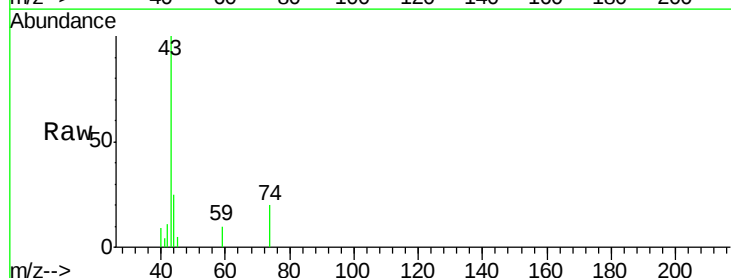
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111289ZHE#01

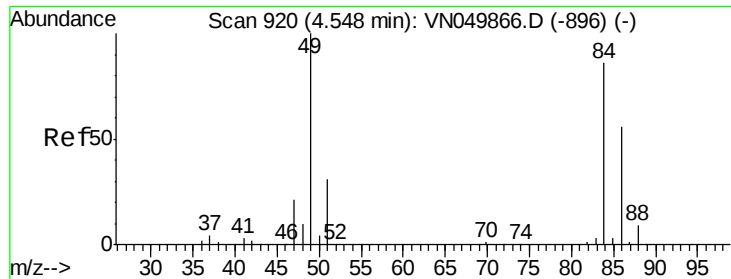
Tot Ion: 76 Resp: 4487  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.1 10.7#



#18  
Methyl Acetate  
Concen: 1.94 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

Tgt Ion: 43 Resp: 17282  
Ion Ratio Lower Upper  
43 100  
74 23.5 19.8 29.8

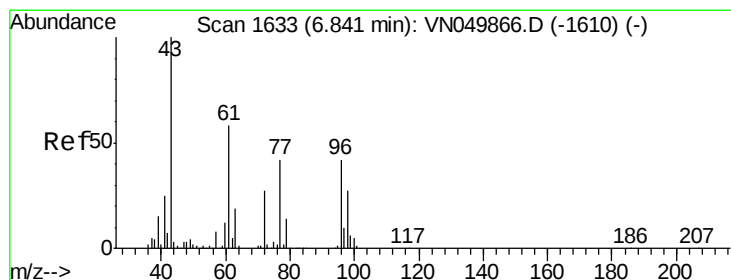
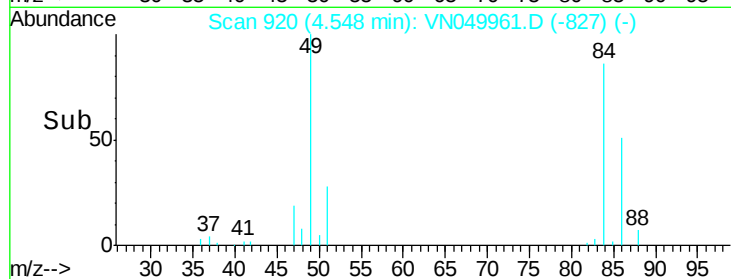
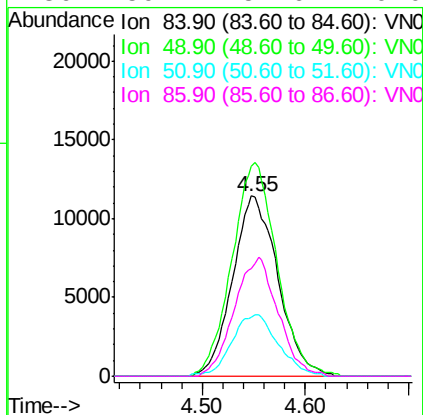
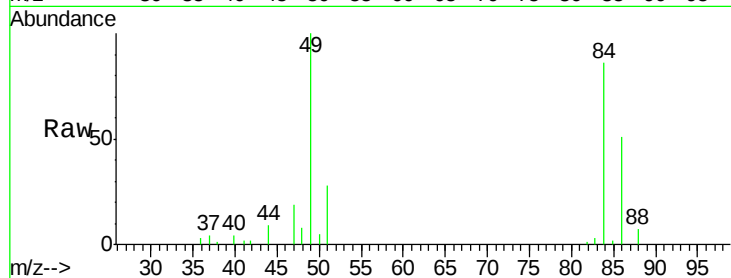




#20  
Methvlene Chloride  
Concen: 4.57 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

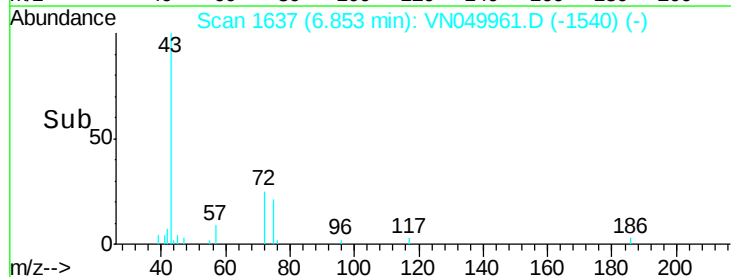
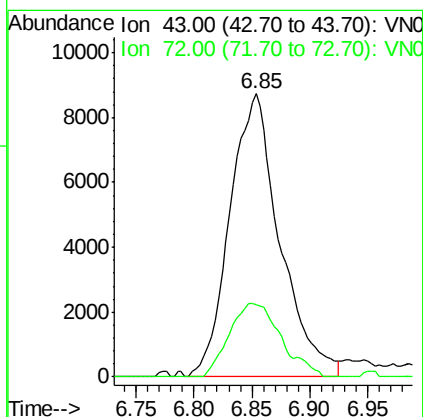
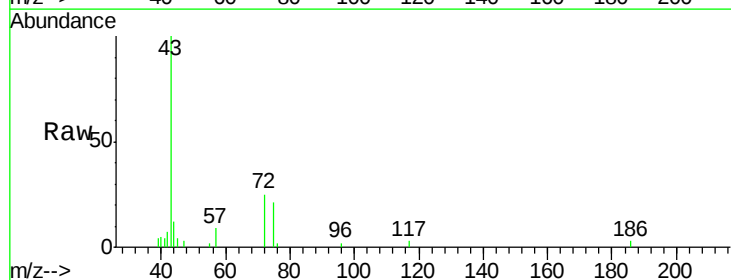
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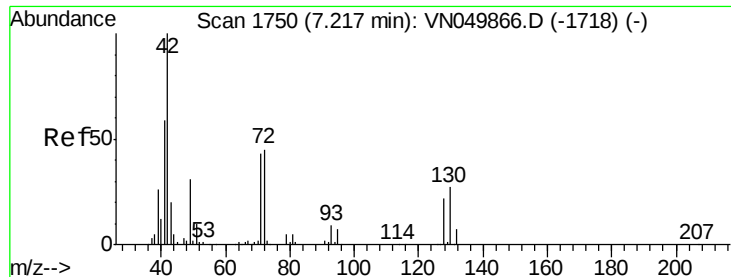
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 34988 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 116.7 | 95.4  | 143.2 |
| 51       | 32.9  | 28.4  | 42.6  |
| 86       | 59.4  | 52.6  | 79.0  |



#25  
2-Butanone  
Concen: 9.13 ug/l  
RT: 6.85 min Scan# 1637  
Delta R.T. 0.01 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 26269 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 25.3  | 22.1  | 33.1  |





#29

Tetrahydrofuran

Concen: 7.68 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

Instrument :

MSVOA\_N

ClientSampleId :

PB111289ZHE#01

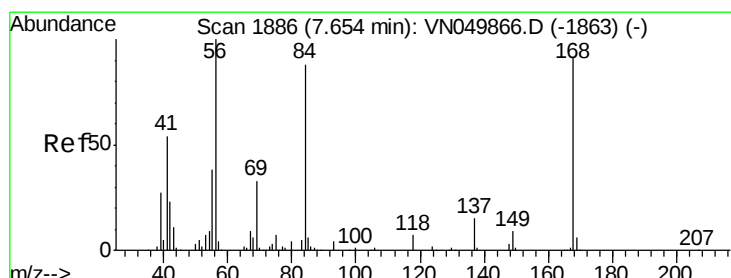
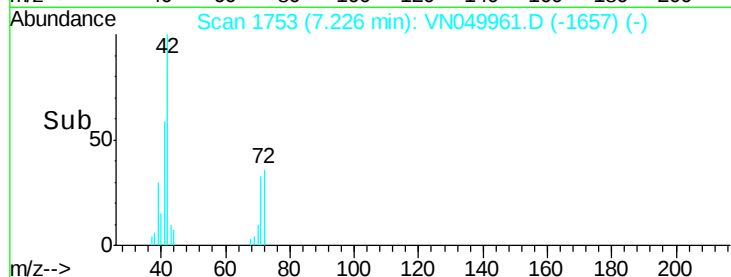
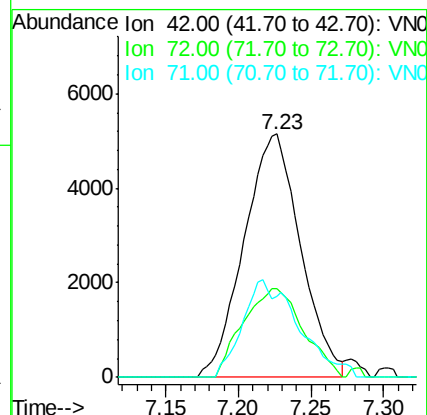
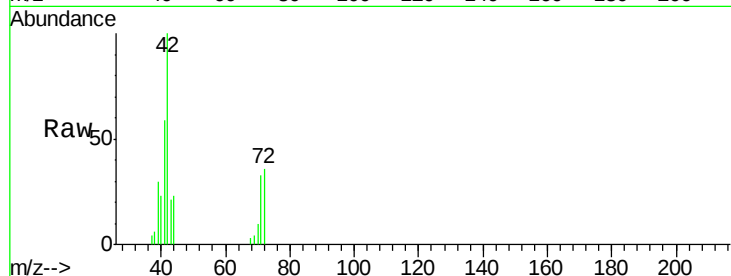
Tot Ion: 42 Resp: 13927

Ion Ratio Lower Upper

42 100

72 38.8 35.6 53.4

71 20.5 34.0 51.0#



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

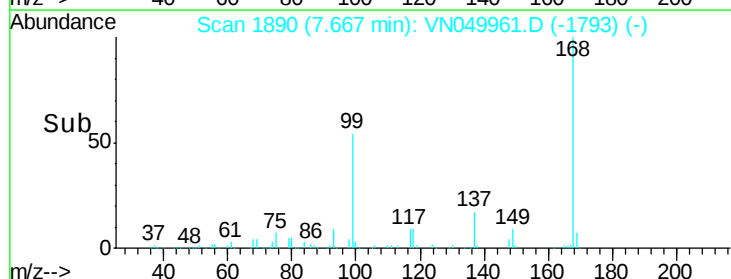
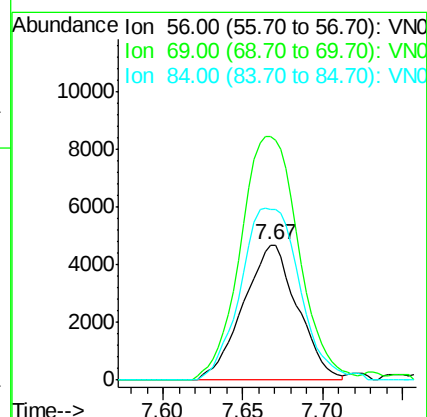
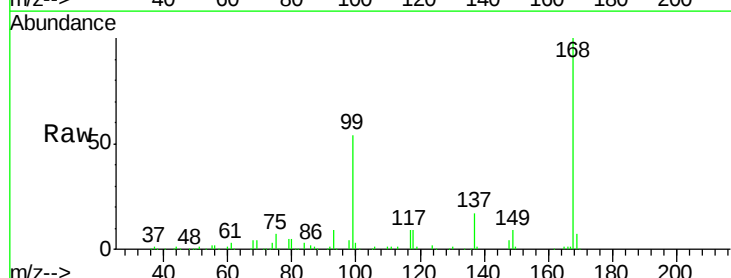
Tgt Ion: 56 Resp: 10983

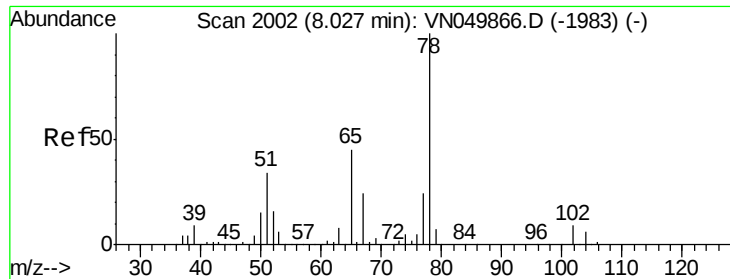
Ion Ratio Lower Upper

56 100

69 180.4 26.6 40.0#

84 126.2 69.0 103.6#

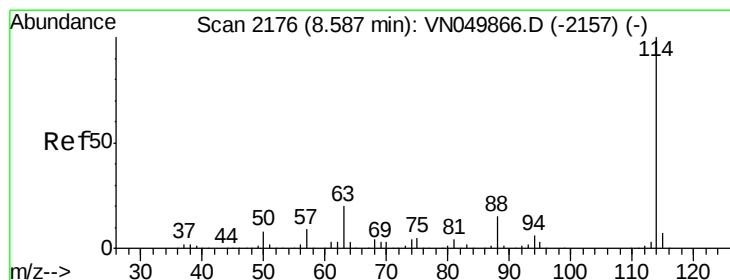
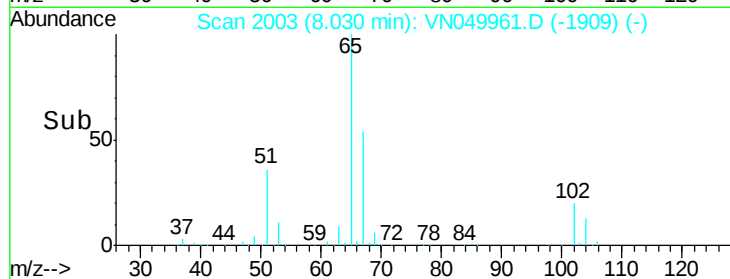
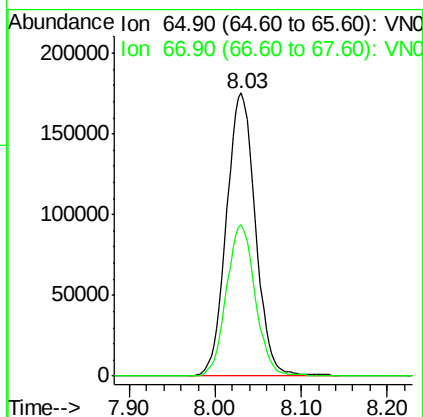
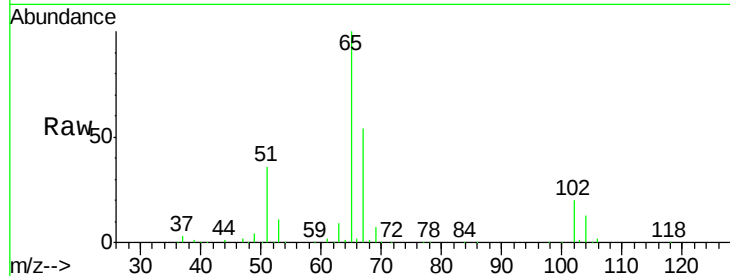




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.84 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049961.D  
 Acq: 20 Jul 2018 14:37

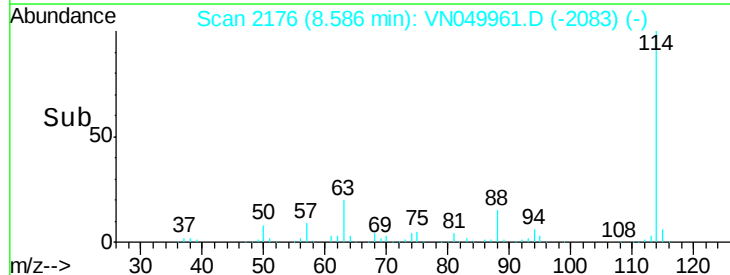
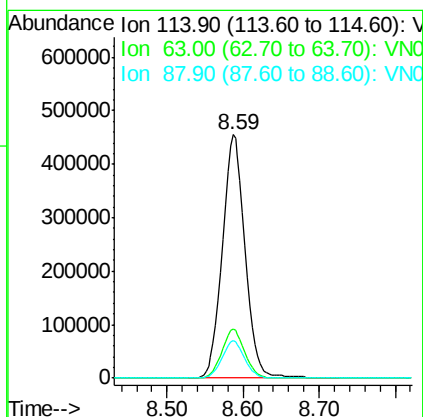
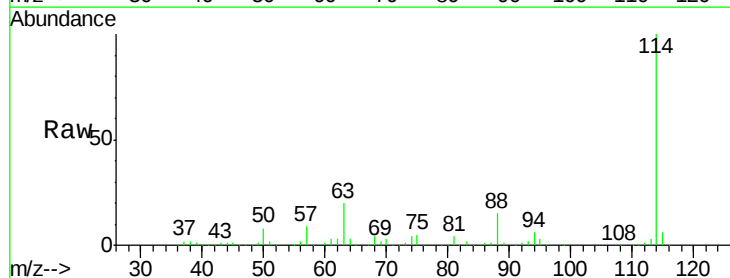
Instrument :  
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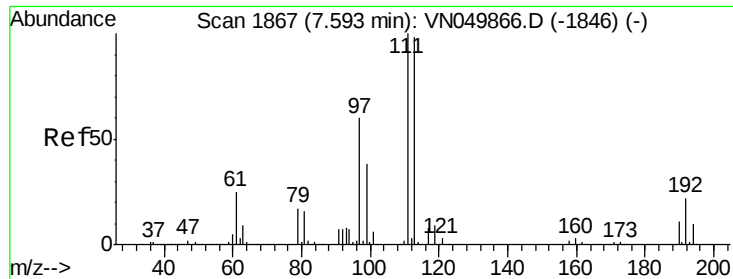
Tot Ion: 65 Resp: 410915  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN049961.D  
 Acq: 20 Jul 2018 14:37

Tgt Ion: 114 Resp: 946259  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 39.8  
 88 15.3 0.0 30.6

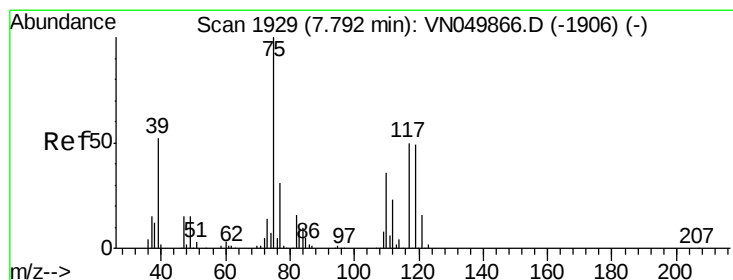
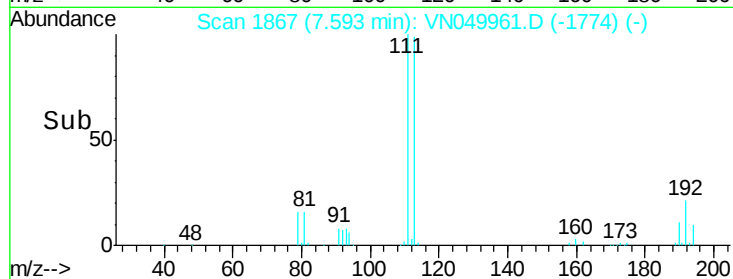
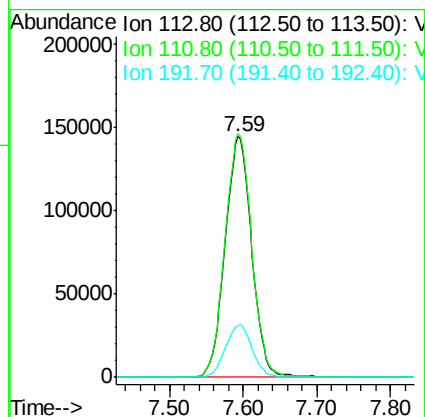
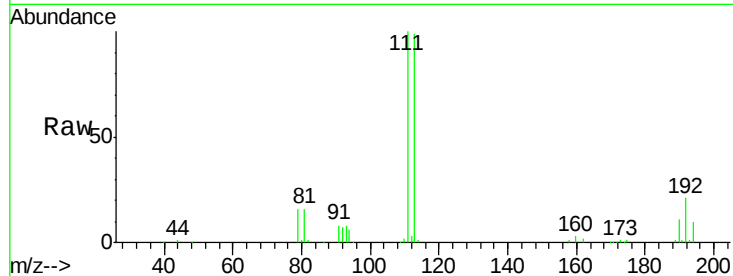




#35  
 Dibromofluoromethane  
 Concen: 45.59 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN049961.D  
 Acq: 20 Jul 2018 14:37

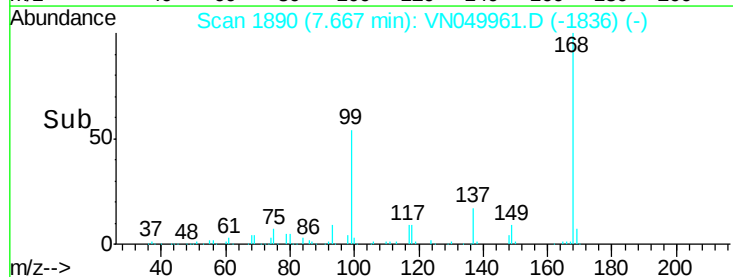
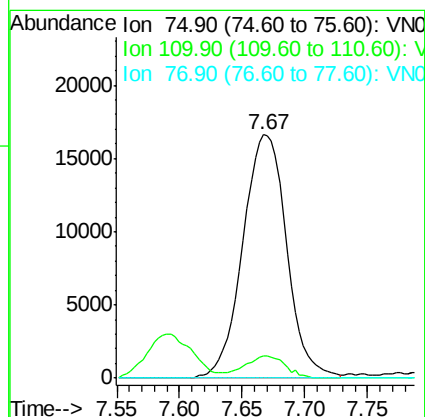
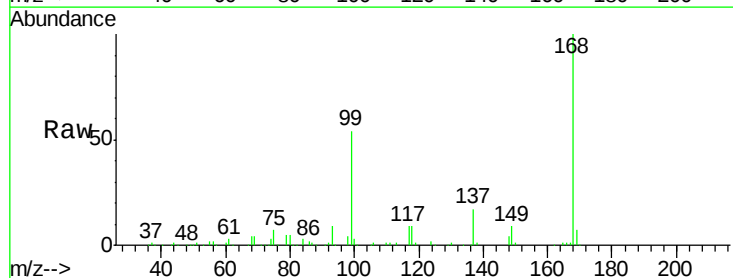
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111289ZHE#01

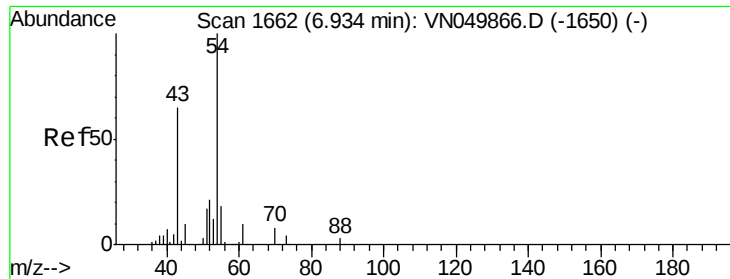
Tot Ion:113 Resp: 362177  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 81.8 122.8  
 192 22.0 17.8 26.6



#36  
 1,1-Dichloropropene  
 Concen: 3.85 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.13 min  
 Lab File: VN049961.D  
 Acq: 20 Jul 2018 14:37

Tgt Ion: 75 Resp: 40491  
 Ion Ratio Lower Upper  
 75 100  
 110 8.5 18.1 54.4#  
 77 0.0 24.9 37.3#

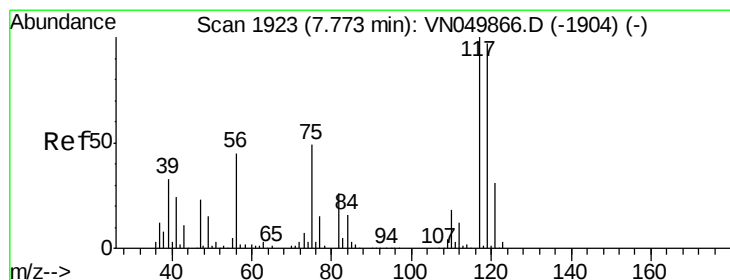
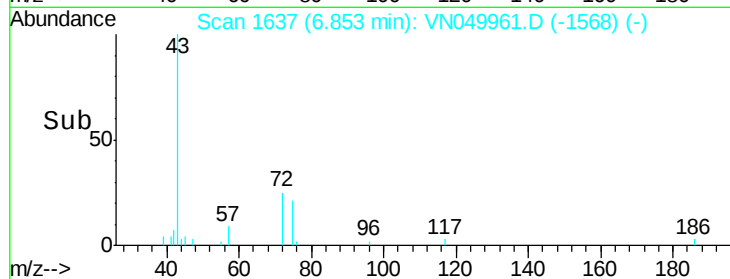
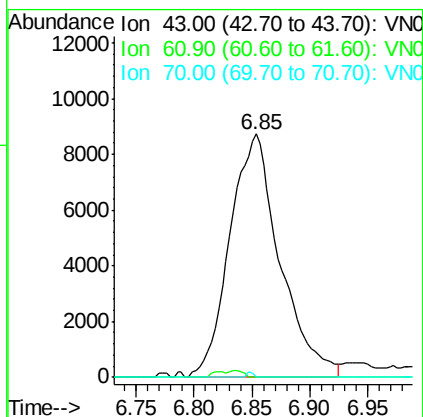
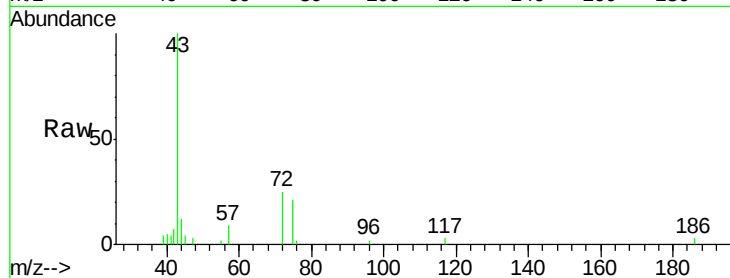




#37  
Ethyl Acetate  
Concen: 3.64 ug/l  
RT: 6.85 min Scan# 1637  
Delta R.T. -0.08 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

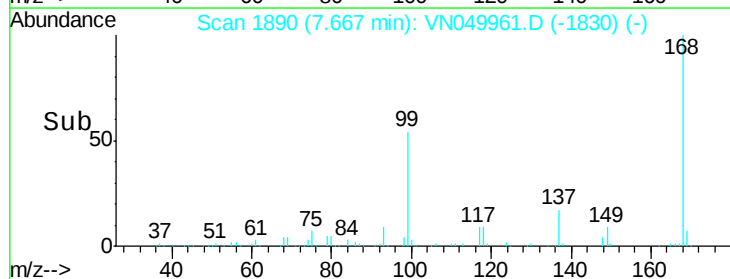
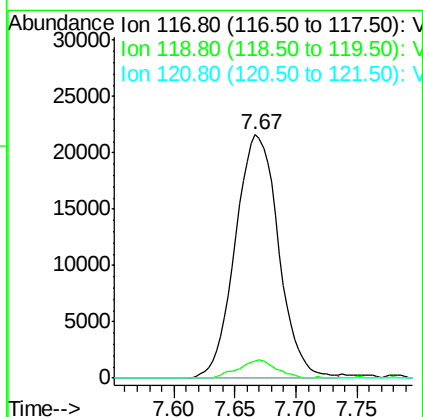
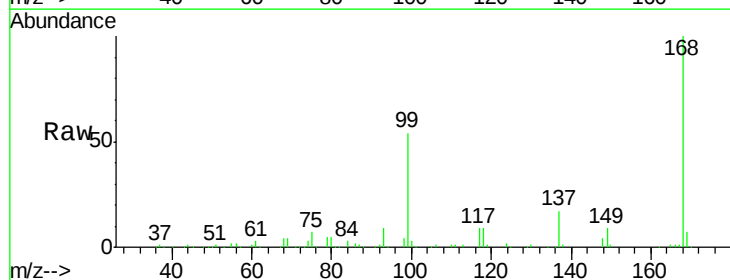
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111289ZHE#01

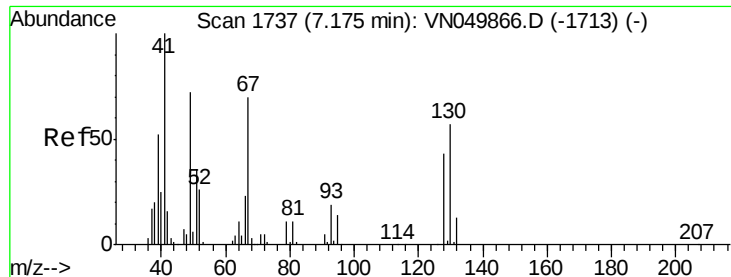
Tot Ion: 43 Resp: 26269  
Ion Ratio Lower Upper  
43 100  
61 0.7 11.7 17.5#  
70 0.3 8.4 12.6#



#38  
Carbon Tetrachloride  
Concen: 4.71 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

Tgt Ion: 117 Resp: 53101  
Ion Ratio Lower Upper  
117 100  
119 7.0 77.2 115.8#  
121 0.0 25.0 37.6#

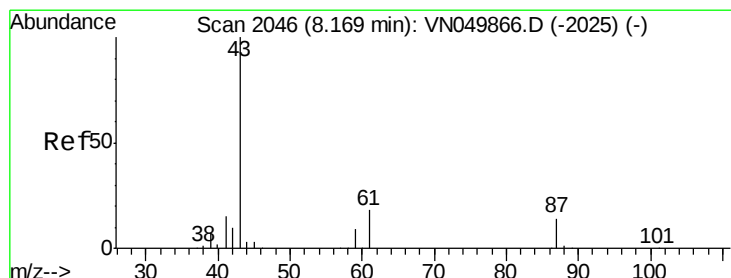
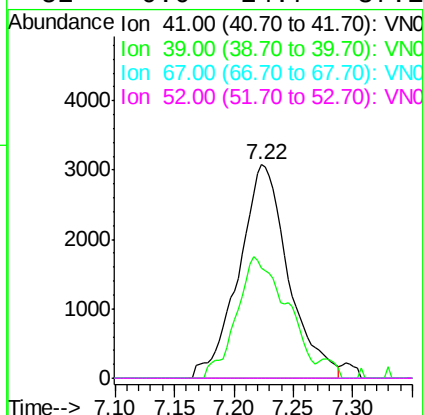
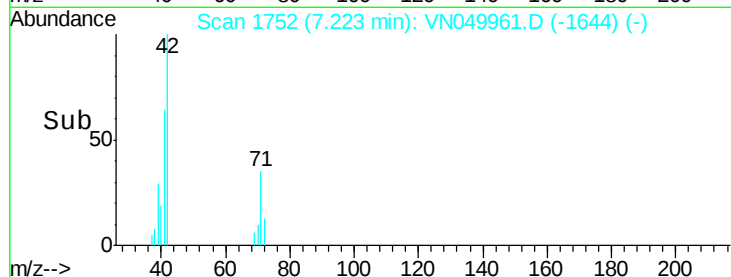
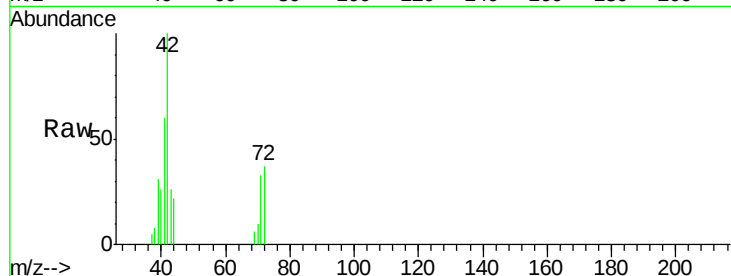




#41  
Methacrylonitrile  
Concen: 2.45 ug/l  
RT: 7.22 min Scan# 1752  
Delta R.T. 0.05 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

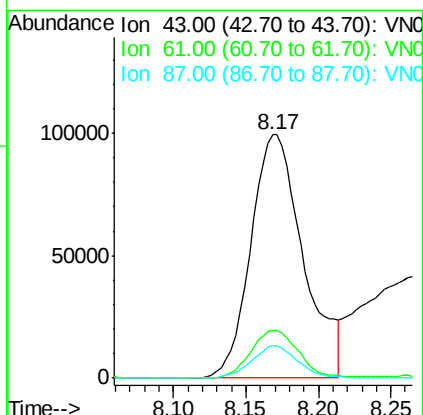
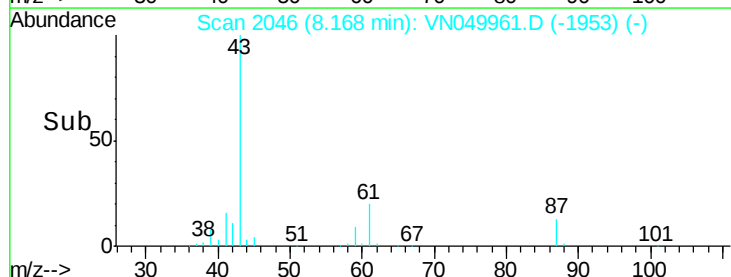
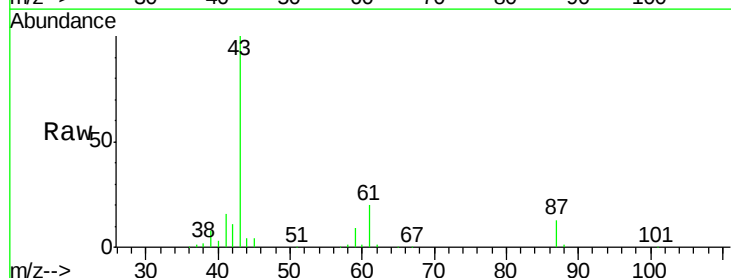
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111289ZHE#01

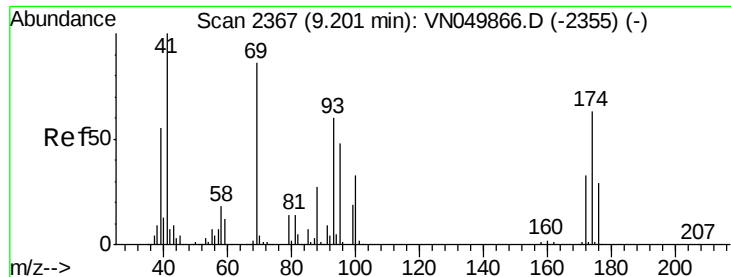
Tot Ion: 41 Resp: 8878  
Ion Ratio Lower Upper  
41 100  
39 57.4 45.4 68.2  
67 0.0 65.4 98.0#  
52 0.0 24.7 37.1#



#43  
Isopropyl Acetate  
Concen: 19.85 ug/l  
RT: 8.17 min Scan# 2046  
Delta R.T. -0.00 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

Tgt Ion: 43 Resp: 250581  
Ion Ratio Lower Upper  
43 100  
61 18.1 14.9 22.3  
87 11.7 10.0 15.0

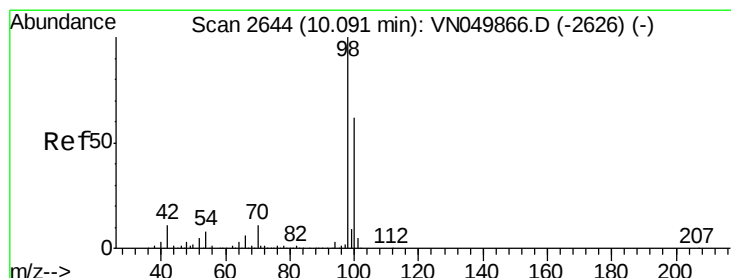
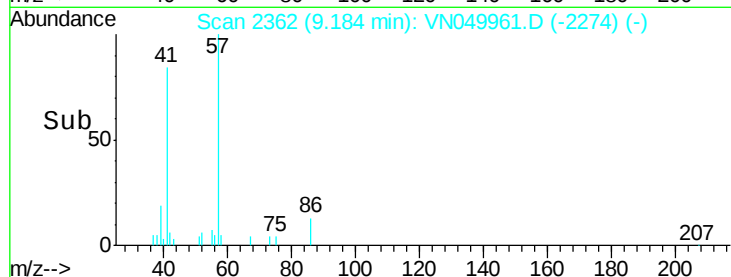
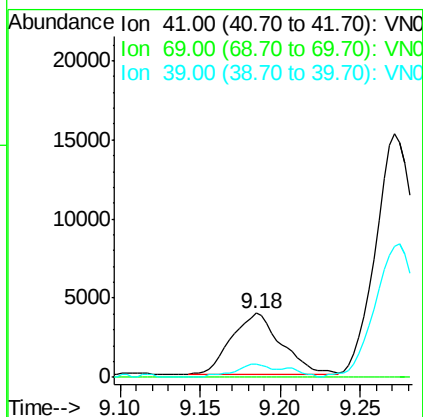
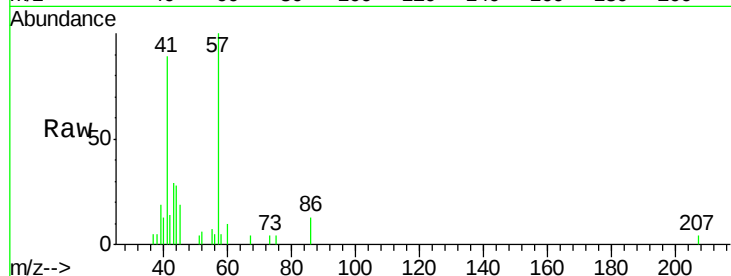




#48  
Methyl methacrylate  
Concen: 1.31 ug/l  
RT: 9.18 min Scan# 2362  
Delta R.T. -0.02 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

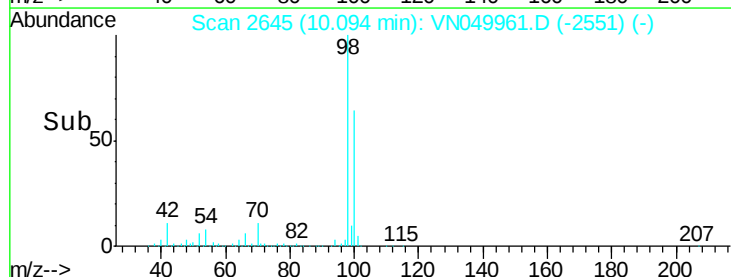
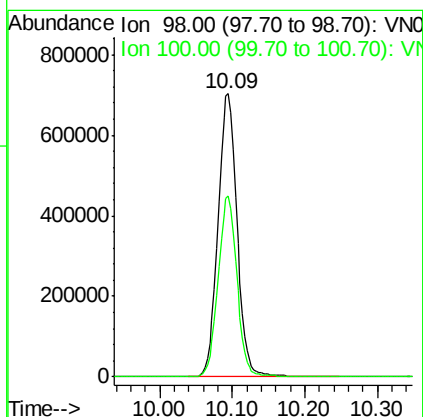
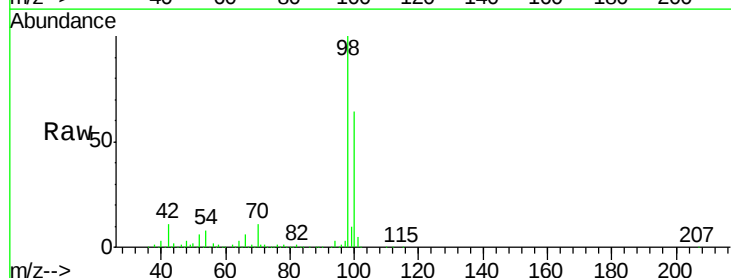
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111289ZHE#01

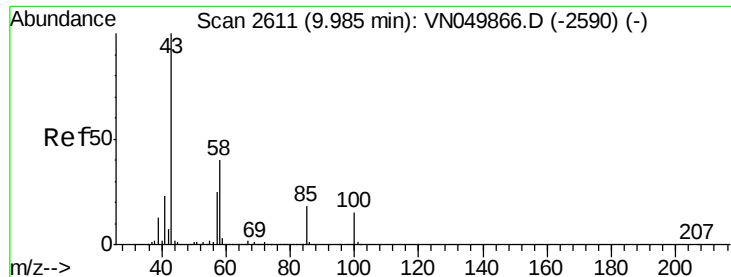
Tot Ion: 41 Resp: 8275  
Ion Ratio Lower Upper  
41 100  
69 0.0 71.5 107.3#  
39 15.8 44.7 67.1#



#50  
Toluene-d8  
Concen: 44.24 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

Tgt Ion: 98 Resp: 1280398  
Ion Ratio Lower Upper  
98 100  
100 63.1 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.39 ug/l

RT: 9.99 min Scan# 2614

Delta R.T. 0.01 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

Instrument :

MSVOA\_N

ClientSampleId :

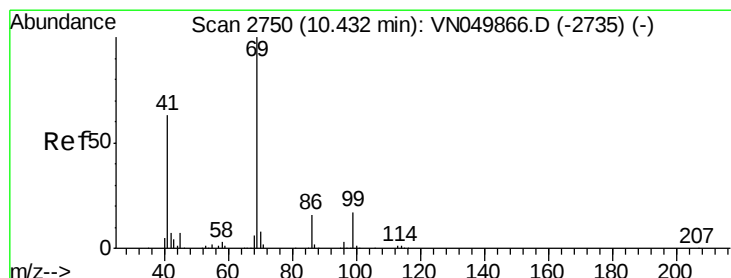
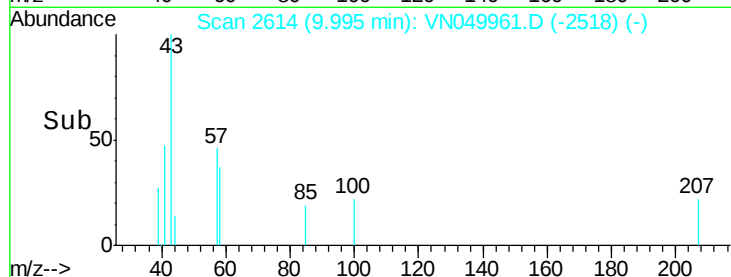
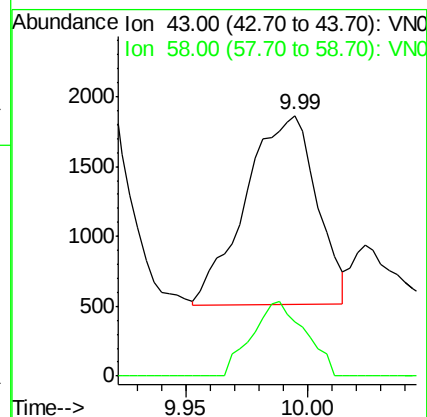
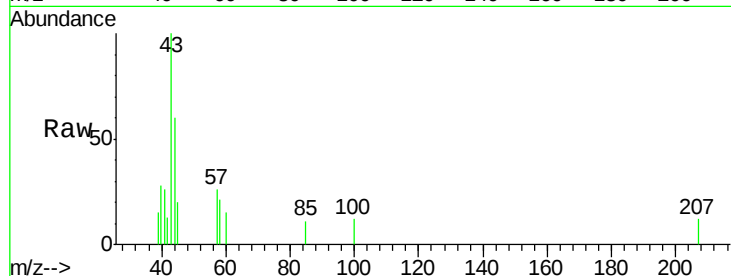
PB111289ZHE#01

Tot Ion: 43 Resp: 2726

Ion Ratio Lower Upper

43 100

58 29.7 31.8 47.8#



#56

Ethyl methacrylate

Concen: 2.18 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

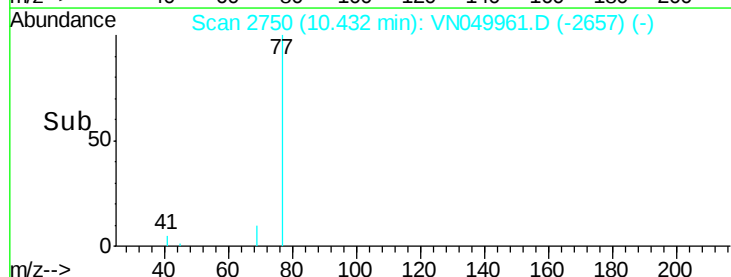
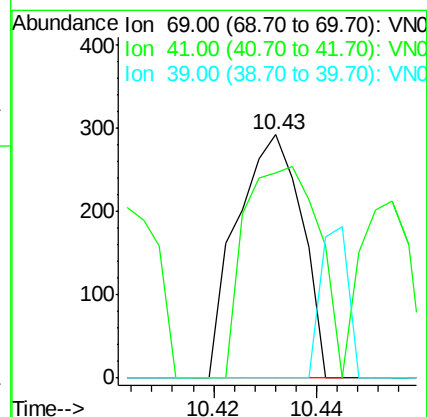
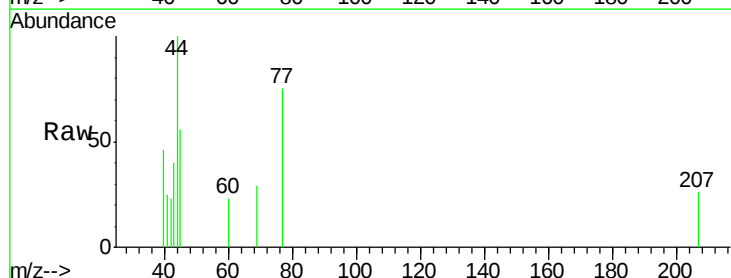
Tgt Ion: 69 Resp: 254

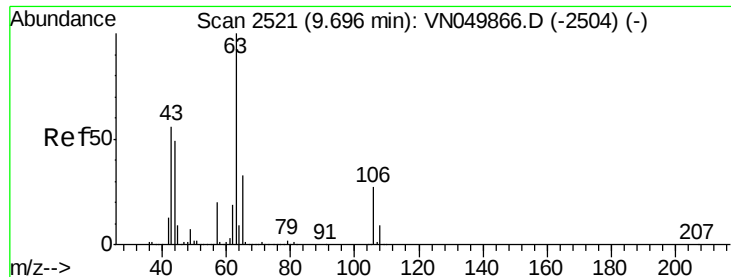
Ion Ratio Lower Upper

69 100

41 99.6 51.6 77.4#

39 0.0 25.8 38.8#

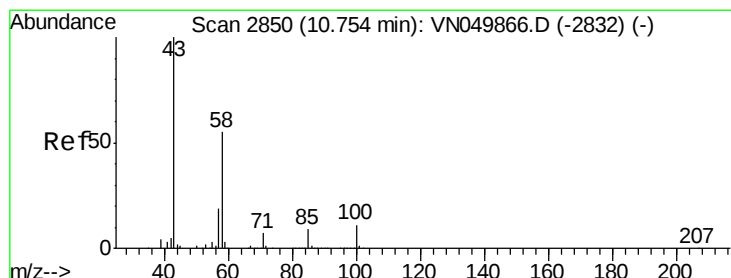
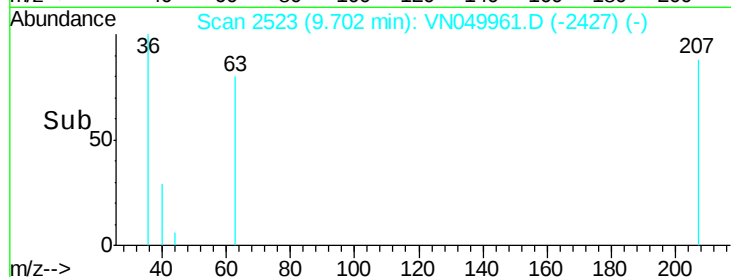
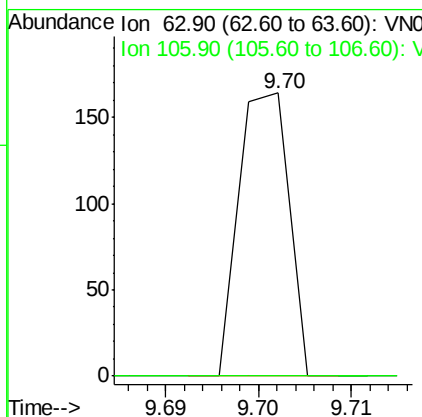
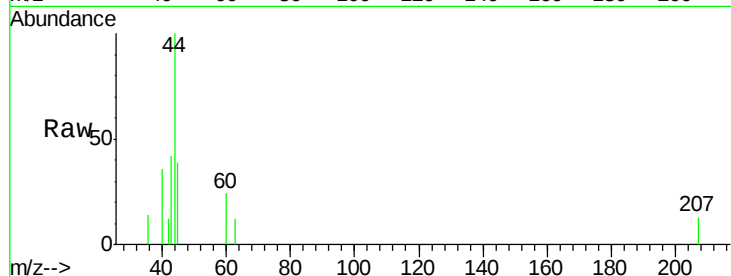




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 9.80 ug/l  
 RT: 9.70 min Scan# 2523  
 Delta R.T. 0.01 min  
 Lab File: VN049961.D  
 Acq: 20 Jul 2018 14:37

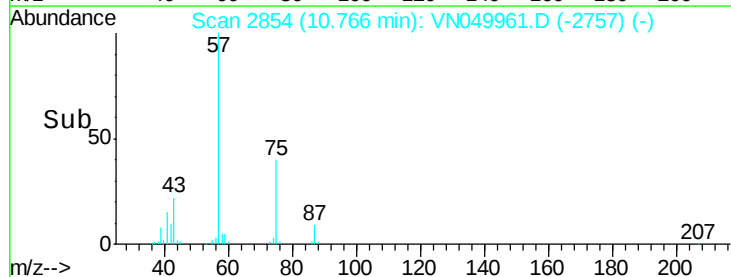
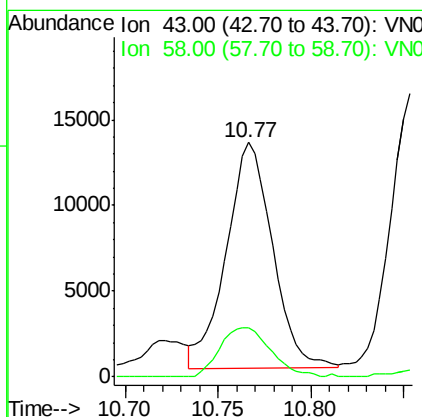
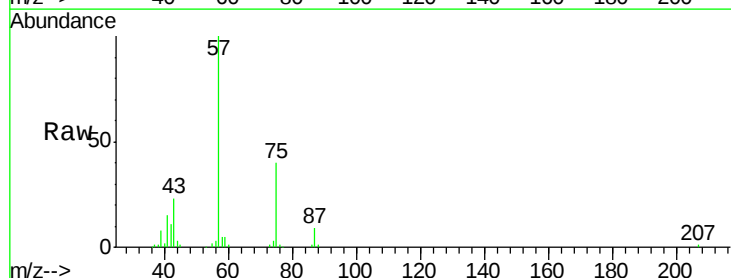
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111289ZHE#01

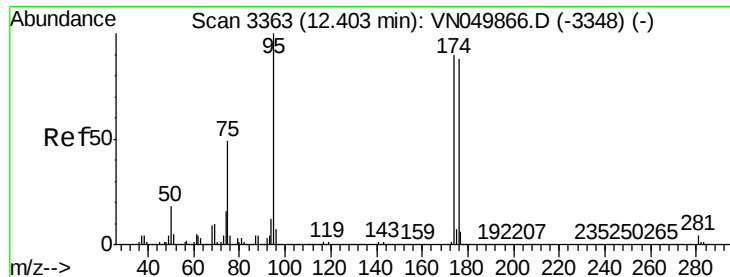
Tot Ion: 63 Resp: 62  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 21.8 32.8#



#59  
 2-Hexanone  
 Concen: 4.80 ug/l  
 RT: 10.77 min Scan# 2854  
 Delta R.T. 0.01 min  
 Lab File: VN049961.D  
 Acq: 20 Jul 2018 14:37

Tgt Ion: 43 Resp: 22766  
 Ion Ratio Lower Upper  
 43 100  
 58 24.1 27.8 83.4#

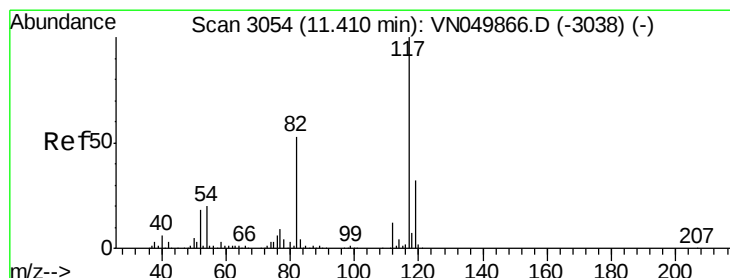
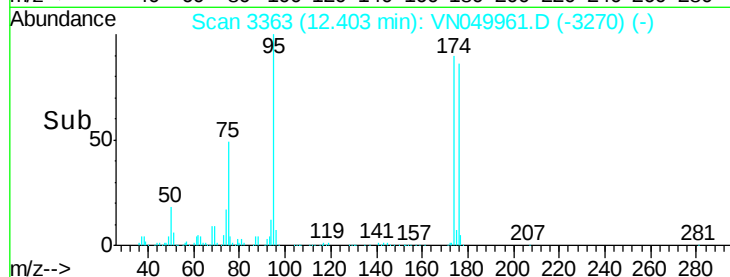
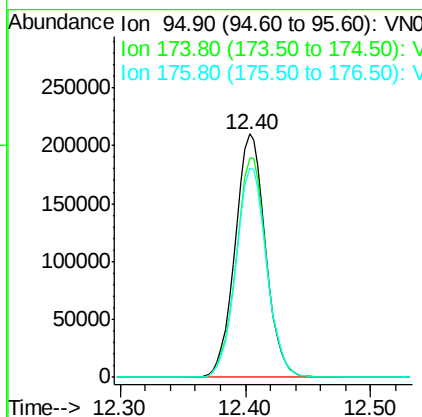
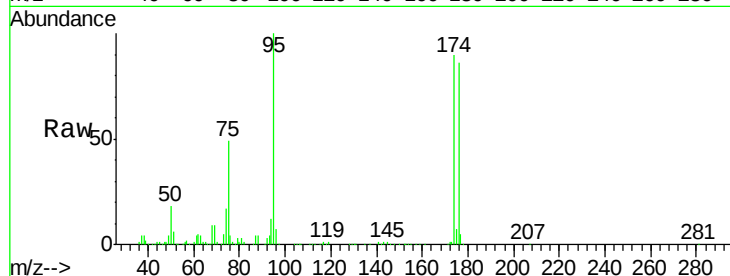




#62  
4-Bromofluorobenzene  
Concen: 35.49 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

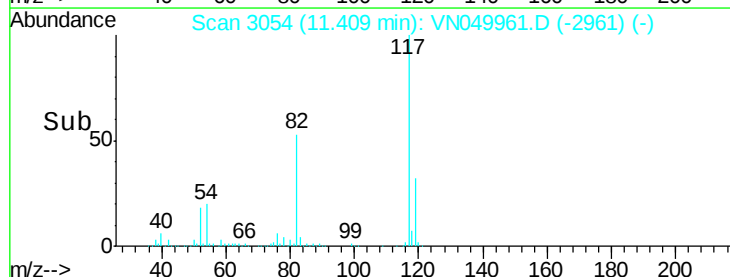
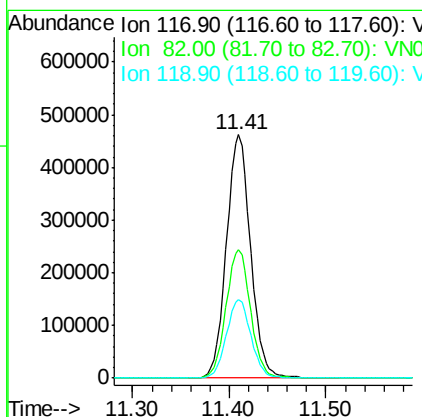
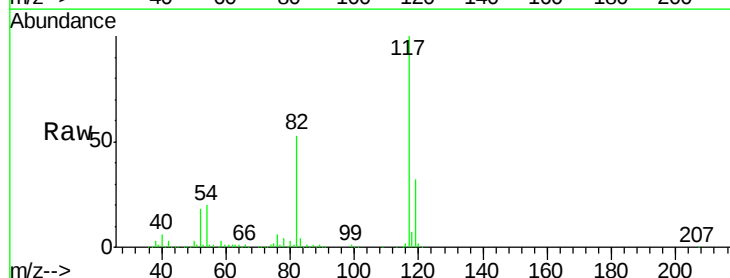
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111289ZHE#01

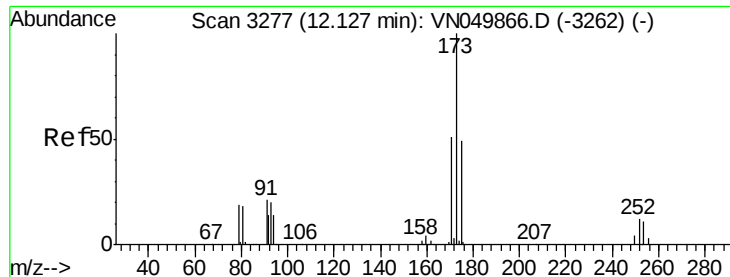
Tot Ion: 95 Resp: 353798  
Ion Ratio Lower Upper  
95 100  
174 90.4 0.0 179.6  
176 86.9 0.0 174.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN049961.D  
Acq: 20 Jul 2018 14:37

Tgt Ion: 117 Resp: 802010  
Ion Ratio Lower Upper  
117 100  
82 52.9 41.9 62.9  
119 32.5 25.4 38.2





#71

Bromoform

Concen: 0.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

Instrument :

MSVOA\_N

ClientSampleId :

PB111289ZHE#01

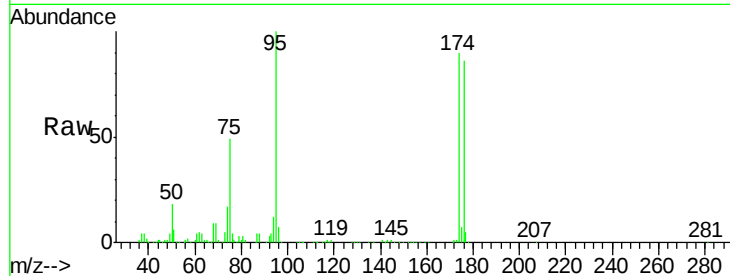
Tot Ion:173 Resp: 2592

Ion Ratio Lower Upper

173 100

175 746.7 24.6 73.8#

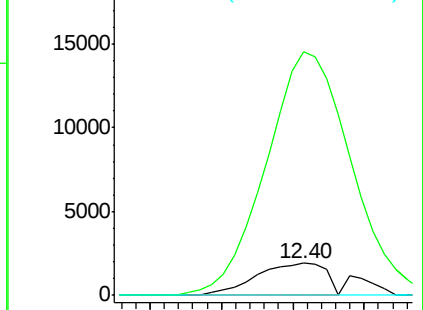
254 0.0 0.2 0.2#



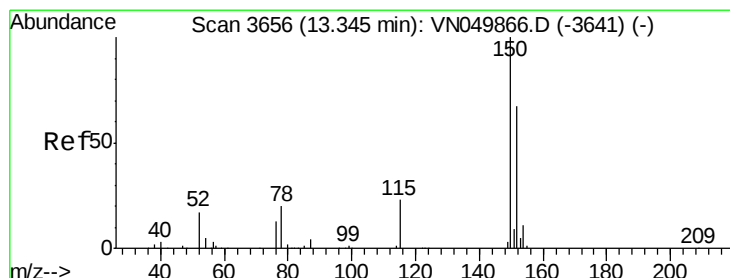
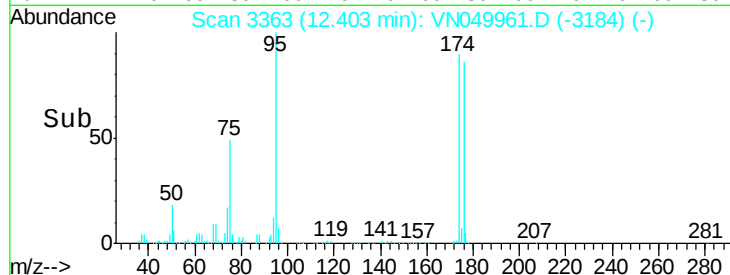
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

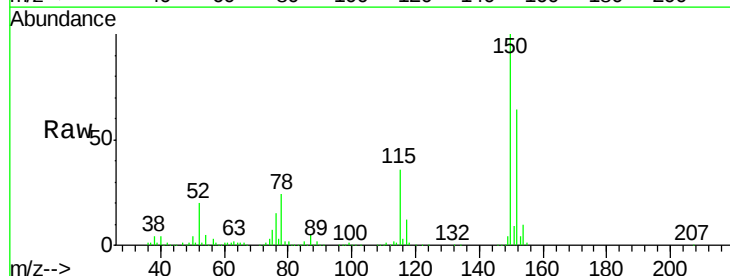
Tgt Ion:152 Resp: 292303

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

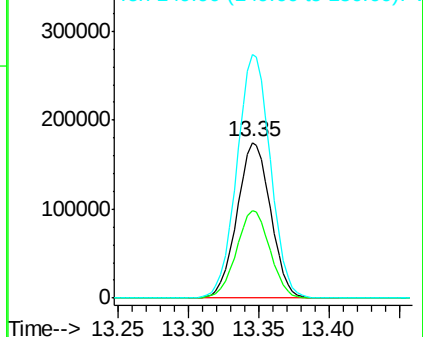
150 156.1 0.0 347.6



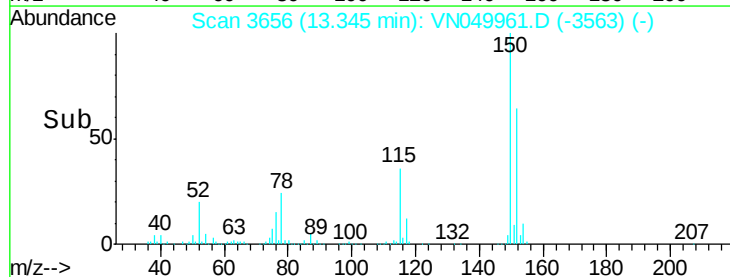
Abundance Ion 151.90 (151.60 to 152.60): V

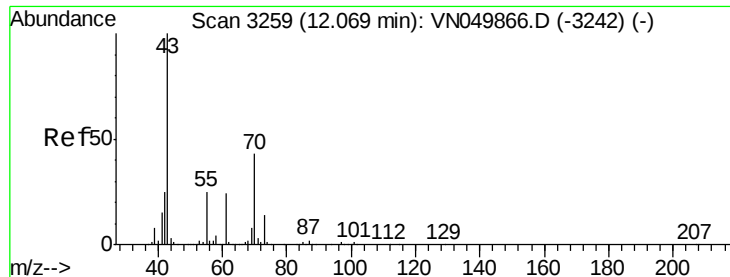
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#74

N-amvl acetate

Concen: 0.20 ug/l

RT: 12.08 min Scan# 3262

Delta R.T. 0.01 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

Instrument :

MSVOA\_N

ClientSampleId :

PB111289ZHE#01

Tot Ion: 43 Resp: 1379

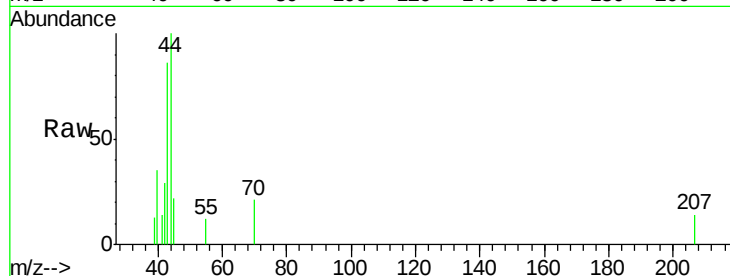
Ion Ratio Lower Upper

43 100

70 29.2 34.8 52.2#

55 9.2 20.9 31.3#

61 12.6 19.9 29.9#

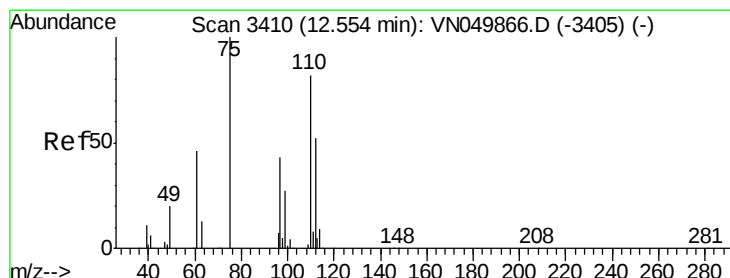
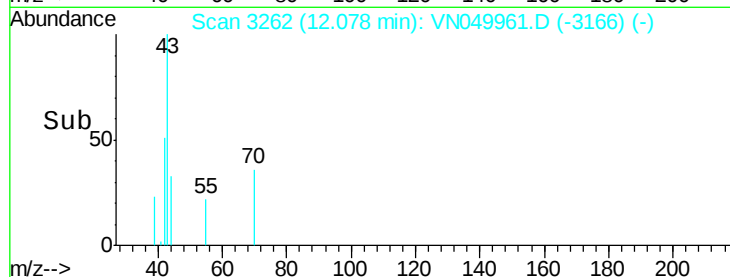
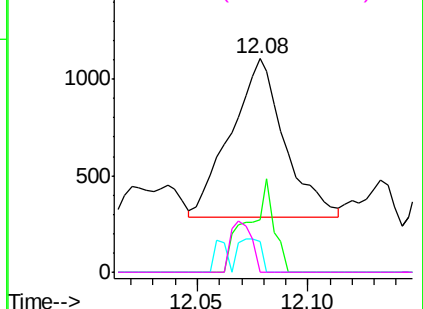


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 31.53 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049961.D

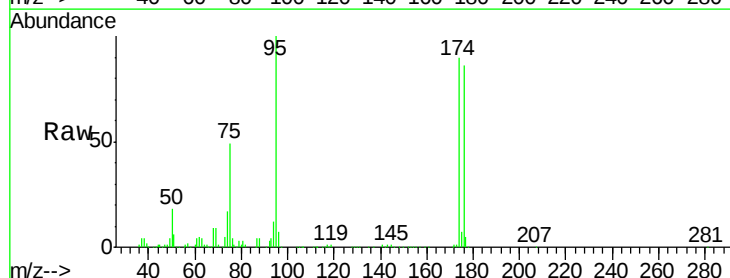
Acq: 20 Jul 2018 14:37

Tgt Ion: 75 Resp: 172894

Ion Ratio Lower Upper

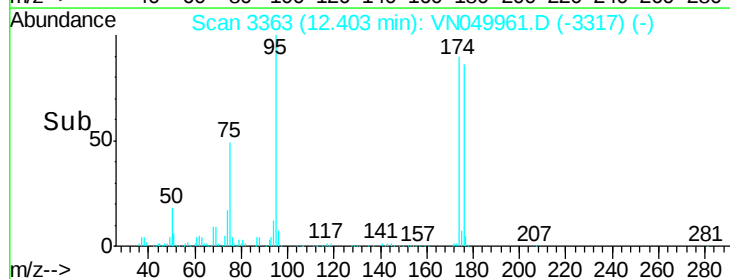
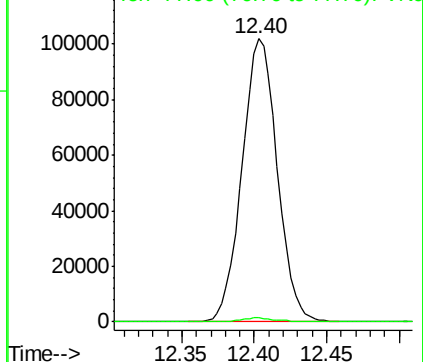
75 100

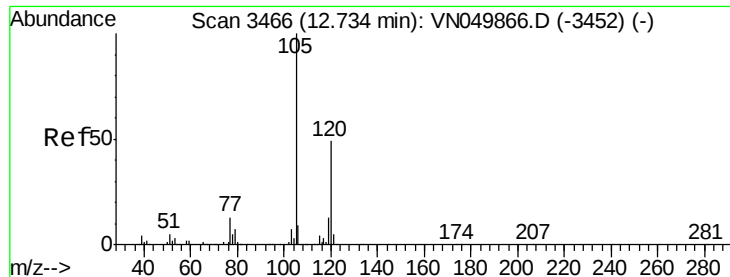
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.31 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

Instrument :

MSVOA\_N

ClientSampleId :

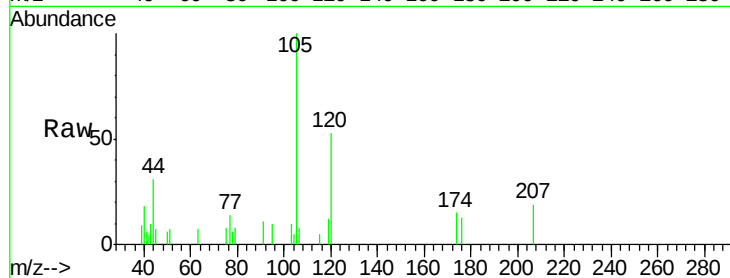
PB111289ZHE#01

Tot Ion:105 Resp: 5529

Ion Ratio Lower Upper

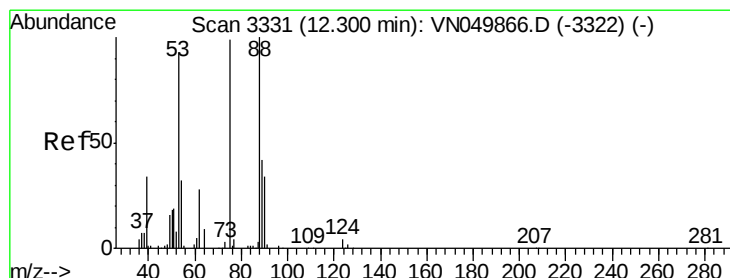
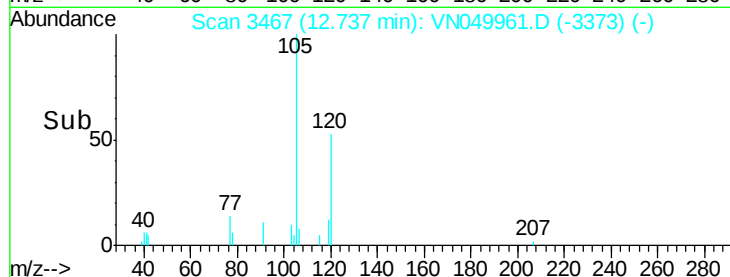
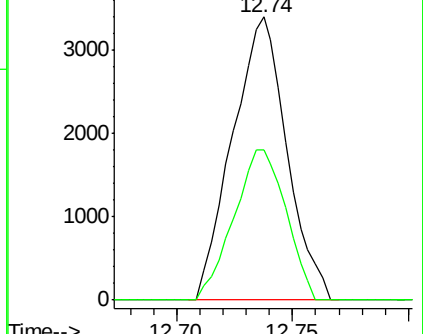
105 100

120 50.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 98.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

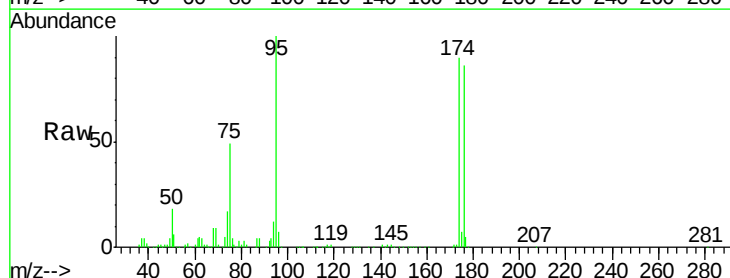
Tgt Ion: 75 Resp: 172894

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

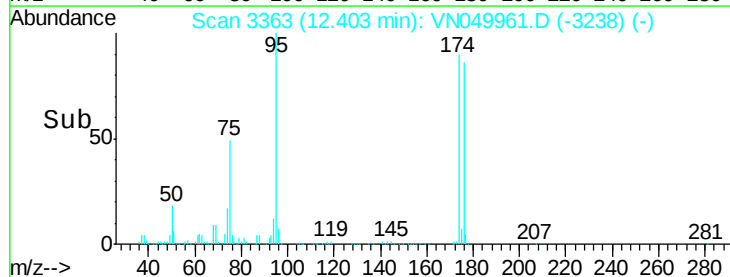
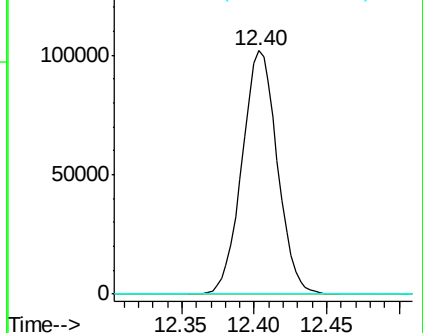
89 0.0 35.9 53.9#

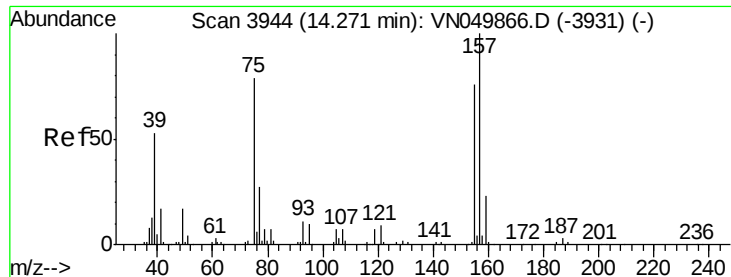


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.47 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

Instrument :

MSVOA\_N

ClientSampleId :

PB111289ZHE#01

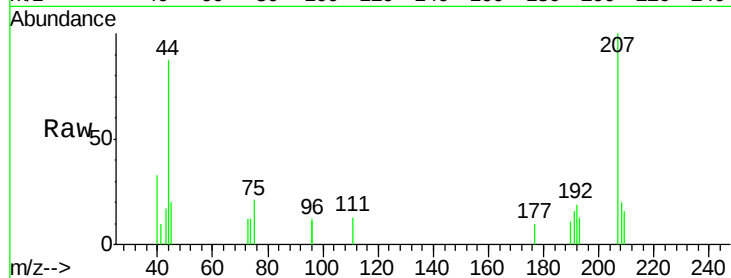
Tot Ion: 75 Resp: 480

Ion Ratio Lower Upper

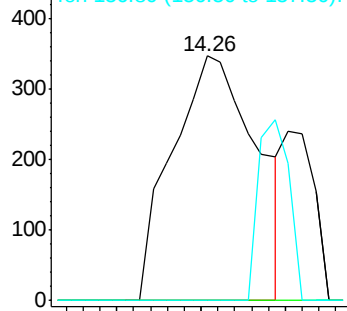
75 100

155 0.0 45.7 137.1#

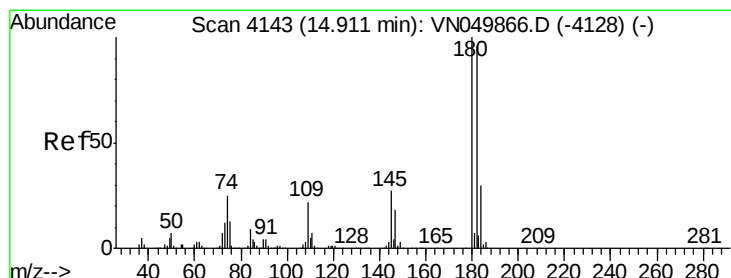
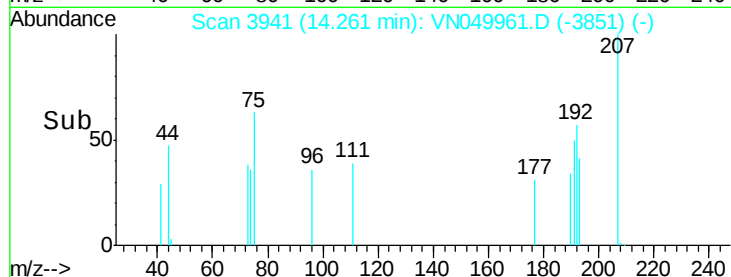
157 27.3 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3931) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.93 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

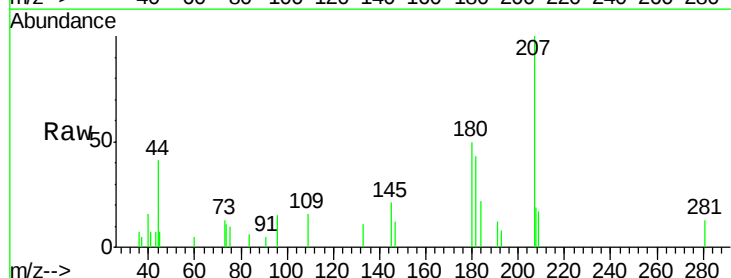
Tgt Ion: 180 Resp: 2838

Ion Ratio Lower Upper

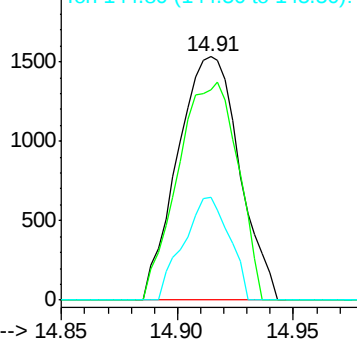
180 100

182 86.7 47.3 141.9

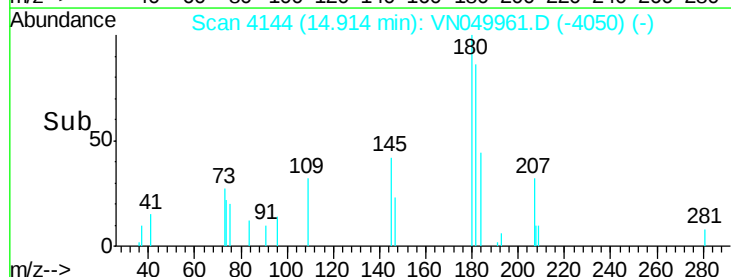
145 31.3 14.4 43.0

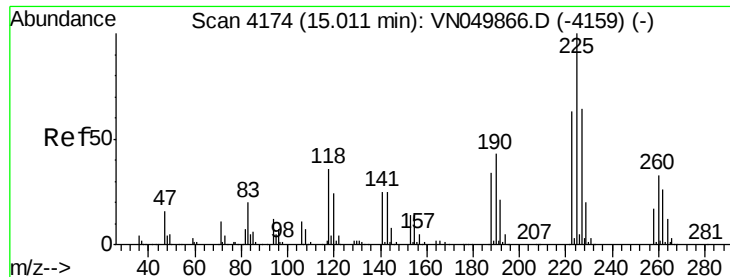


Abundance Ion 179.80 (179.50 to 180.50): VN049866.D (-4128) (-)



Time-->





#94

Hexachlorobutadiene

Concen: 0.38 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

Instrument :

MSVOA\_N

ClientSampleId :

PB111289ZHE#01

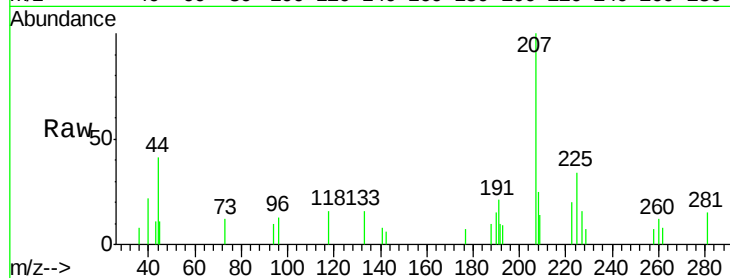
Tot Ion:225 Resp: 1303

Ion Ratio Lower Upper

225 100

223 44.4 30.9 92.7

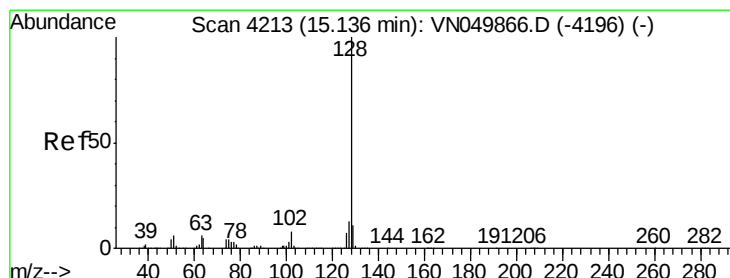
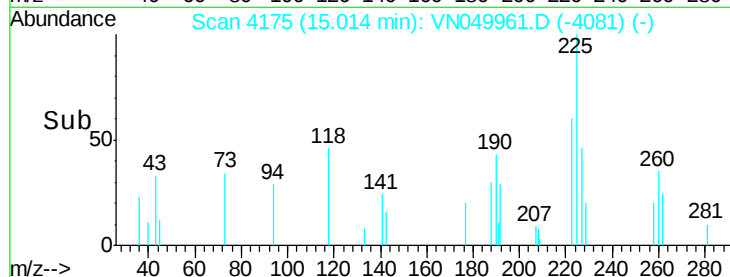
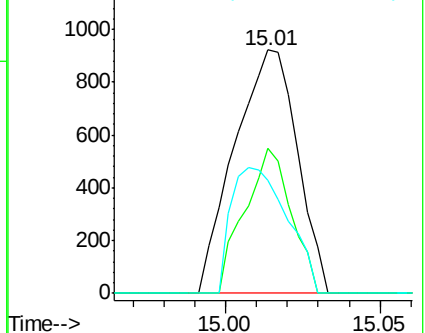
227 46.2 31.8 95.4



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



#95

Naphthalene

Concen: 4.98 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049961.D

Acq: 20 Jul 2018 14:37

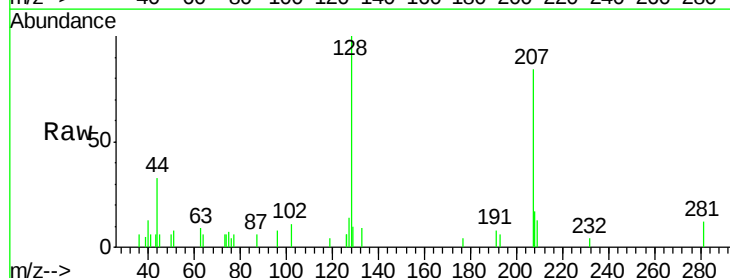
Tgt Ion:128 Resp: 7458

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

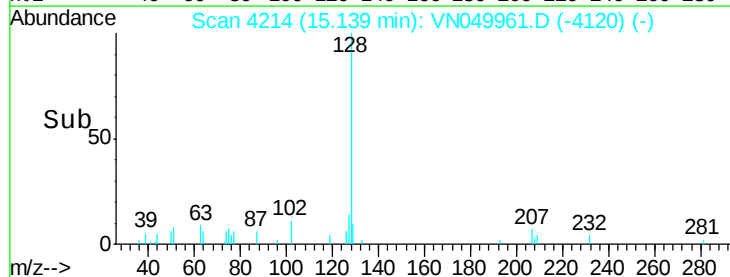
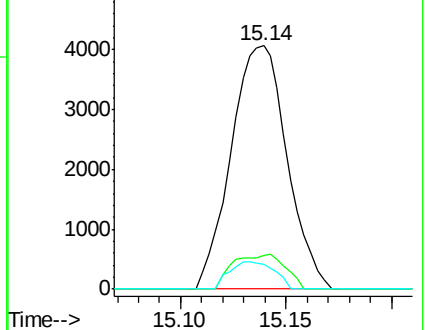
129 9.0 8.6 13.0

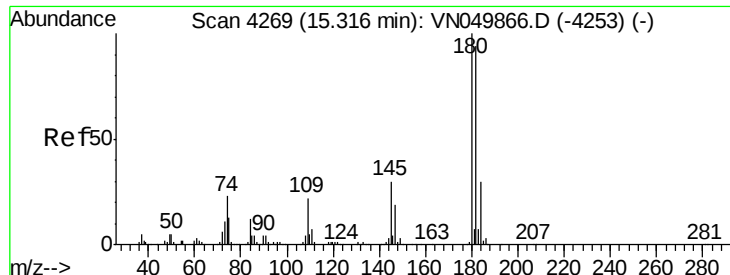


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.57 ug/l  
 RT: 15.32 min Scan# 4269  
 Delta R.T. -0.00 min  
 Lab File: VN049961.D  
 Acq: 20 Jul 2018 14:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111289ZHE#01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.5  | 47.4  | 142.2 |
| 145     | 32.2  | 15.2  | 45.6  |

