

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\  
 Data File : VN049751.D  
 Acq On : 6 Jul 2018 20:31  
 Operator : MD\SY  
 Sample : J3869-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TW-1

Quant Time: Jul 06 22:56:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 30 00:55:30 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1461337  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2419917  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 2029464  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 801771   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 1034576  | 53.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.22% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 874905   | 48.36 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.72%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 3277627  | 46.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.58%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 964236   | 39.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 79.76%  |      |

## Target Compounds

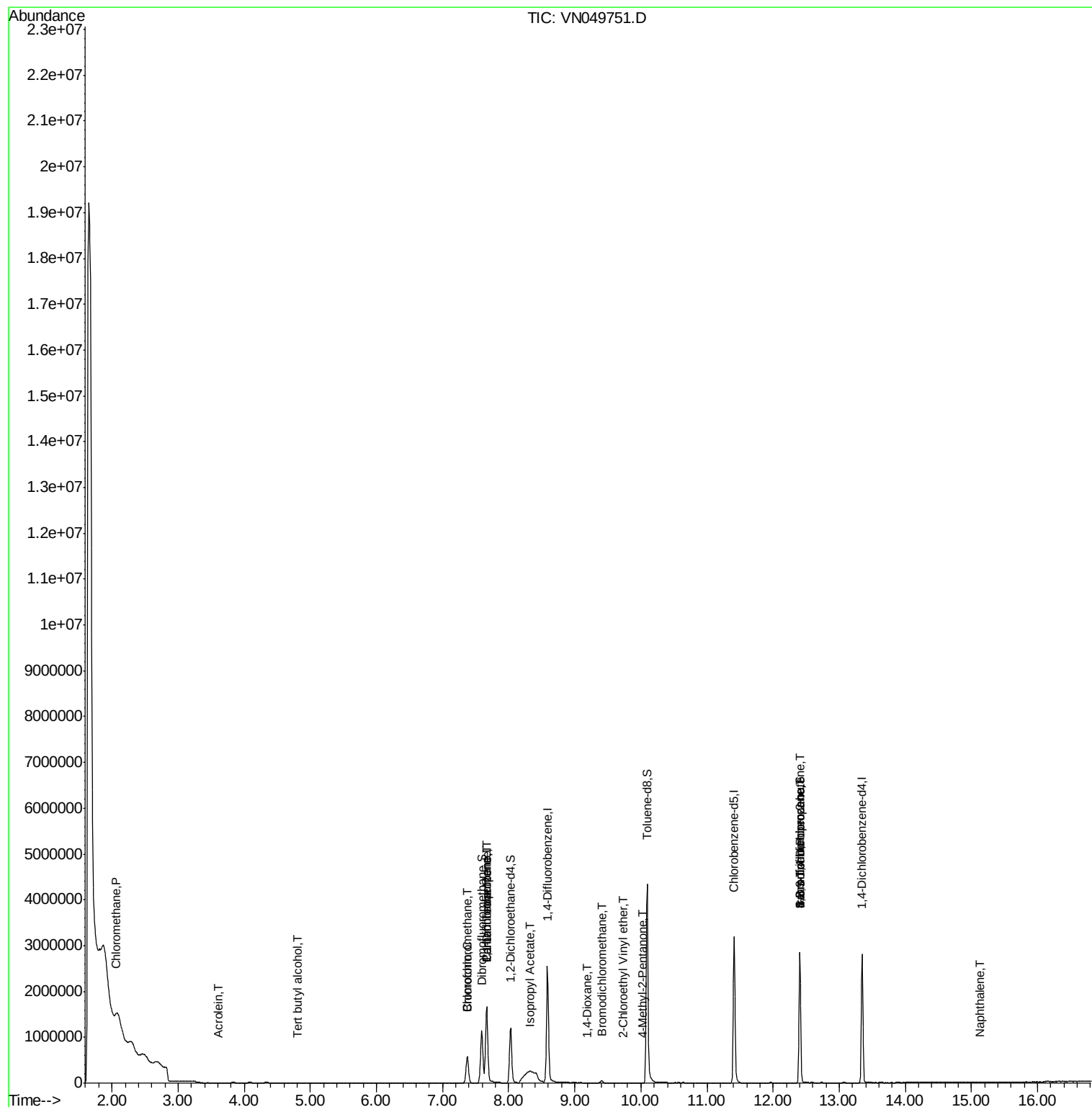
|                                |       |     |        |        |        | Qvalue |
|--------------------------------|-------|-----|--------|--------|--------|--------|
| 3) Chloromethane               | 2.05  | 50  | 8907   | 0.43   | ug/l   | 90     |
| 11) Tert butyl alcohol         | 4.81  | 59  | 459    | 0.41   | ug/l # | 72     |
| 13) Acrolein                   | 3.61  | 56  | 1376   | 1.33   | ug/l # | 74     |
| 16) Acetone                    | 3.82  | 43  | 30346  | Below  | Cal    | 97     |
| 17) Carbon Disulfide           | 4.04  | 76  | 5553   | Below  | Cal    | 96     |
| 18) Methyl Acetate             | 4.33  | 43  | 29040  | Below  | Cal    | 98     |
| 28) Bromochloromethane         | 7.37  | 49  | 45614  | 3.20   | ug/l # | 11     |
| 30) Chloroform                 | 7.37  | 83  | 613429 | 17.91  | ug/l   | 99     |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 102620 | 3.77   | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 131341 | 4.96   | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.32  | 43  | 553373 | 17.17  | ug/l # | 62     |
| 47) Bromodichloromethane       | 9.41  | 83  | 29520  | 1.07   | ug/l   | 98     |
| 49) 1,4-Dioxane                | 9.19  | 88  | 61     | 0.32   | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43  | 3862   | 0.25   | ug/l # | 35     |
| 58) 2-Chloroethyl Vinyl ether  | 9.73  | 63  | 72     | 10.83  | ug/l # | 48     |
| 71) Bromoform                  | 12.40 | 173 | 8066   | 0.64   | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83  | 33     | Below  | Cal #  | 25     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 468679 | 36.45  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 468679 | 123.79 | ug/l # | 13     |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146 | 265    | Below  | Cal #  | 56     |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146 | 318    | Below  | Cal #  | 25     |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146 | 164    | Below  | Cal #  | 25     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75  | 29     | Below  | Cal #  | 1      |
| 95) Naphthalene                | 15.14 | 128 | 1365   | 4.08   | ug/l # | 69     |

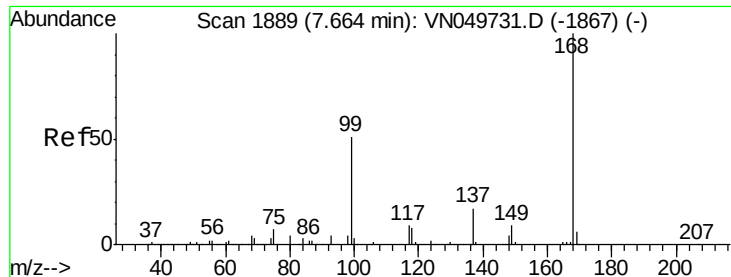
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070618\  
Data File : VN049751.D  
Acq On : 6 Jul 2018 20:31  
Operator : MD\SY  
Sample : J3869-02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TW-1

Quant Time: Jul 06 22:56:05 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 30 00:55:30 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: VN049751.D

Acq: 6 Jul 2018 20:31

Instrument :

MSVOA\_N

ClientSampled :

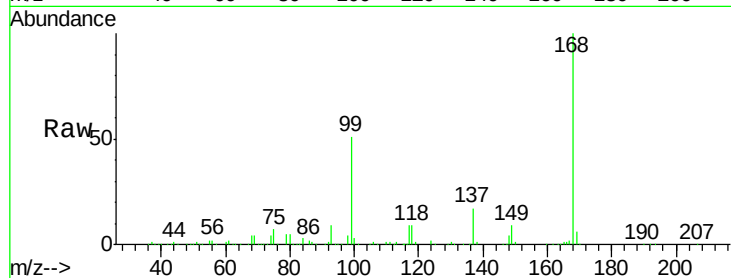
TW-1

Tot Ion:168 Resp: 1461337

Ion Ratio Lower Upper

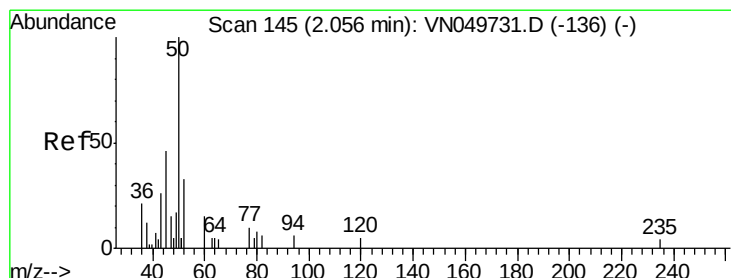
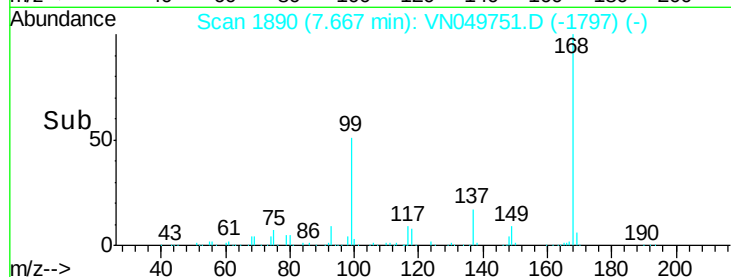
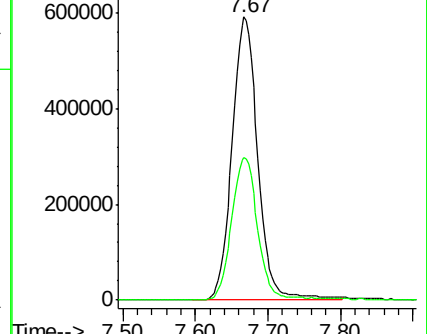
168 100

99 50.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.43 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049751.D

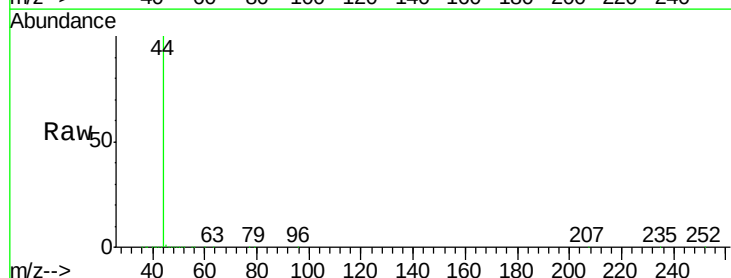
Acq: 6 Jul 2018 20:31

Tgt Ion: 50 Resp: 8907

Ion Ratio Lower Upper

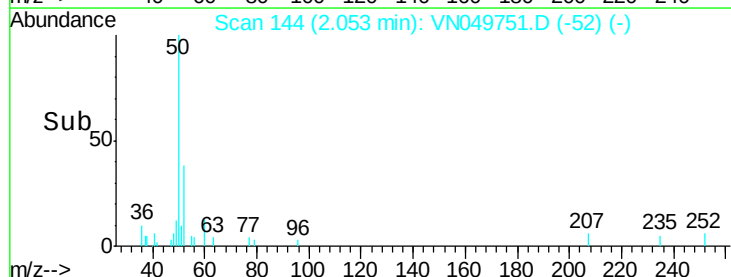
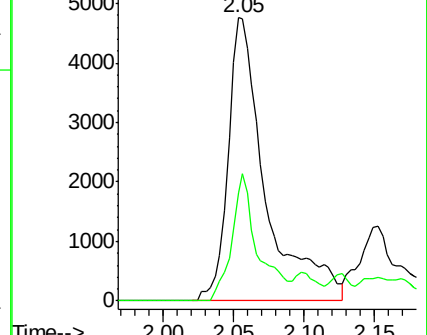
50 100

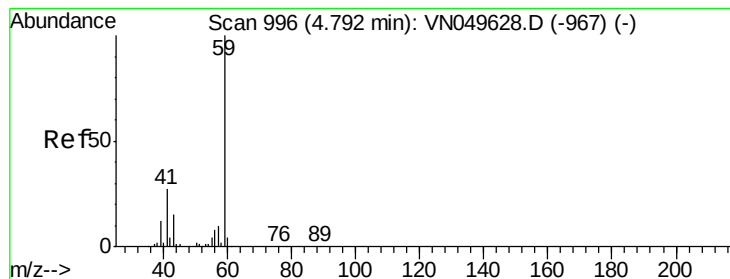
52 38.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#11

Tert butyl alcohol

Concen: 0.41 ug/l

RT: 4.81 min Scan# 1002

Delta R.T. 0.02 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

Instrument :

MSVOA\_N

ClientSampled :

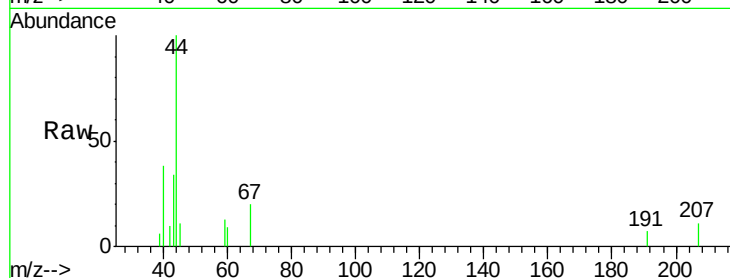
TW-1

Tot Ion: 59 Resp: 459

Ion Ratio Lower Upper

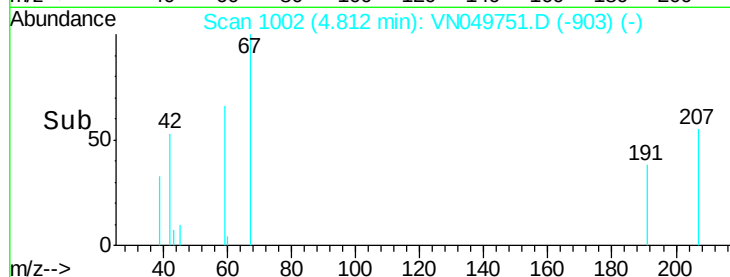
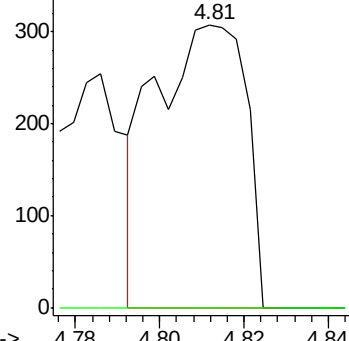
59 100

57 0.0 8.5 12.7#

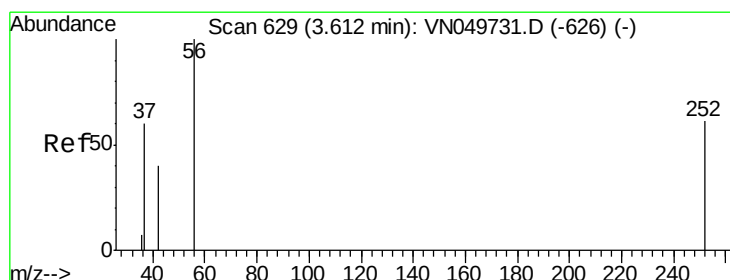


Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time-->



#13

Acrolein

Concen: 1.33 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049751.D

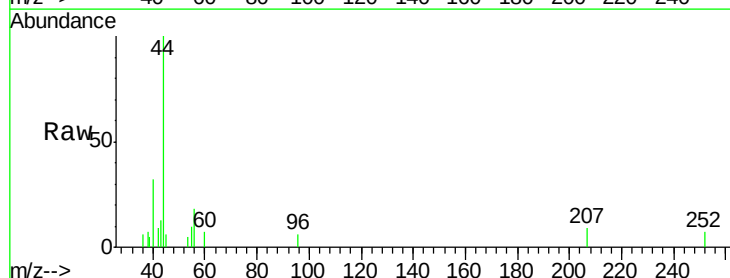
Acq: 6 Jul 2018 20:31

Tgt Ion: 56 Resp: 1376

Ion Ratio Lower Upper

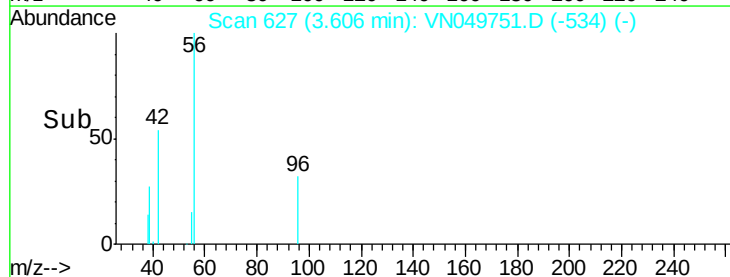
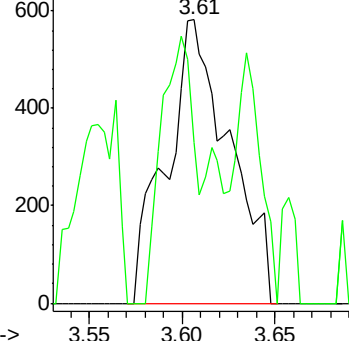
56 100

55 48.3 55.8 83.8#

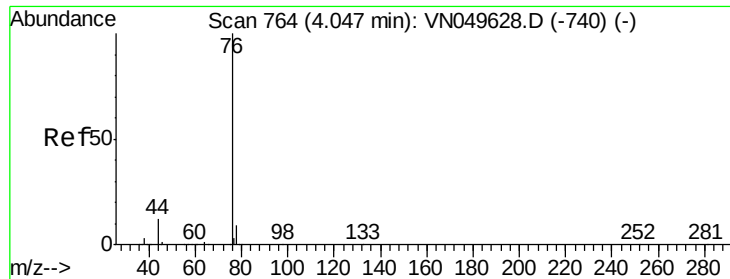


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



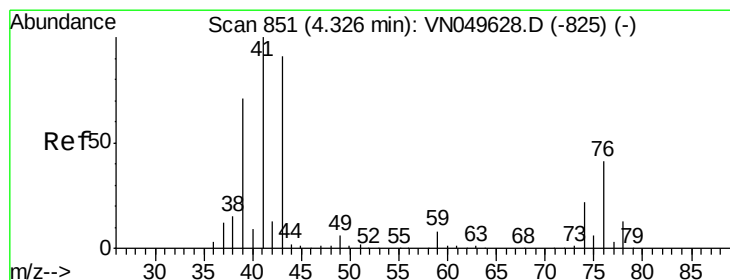
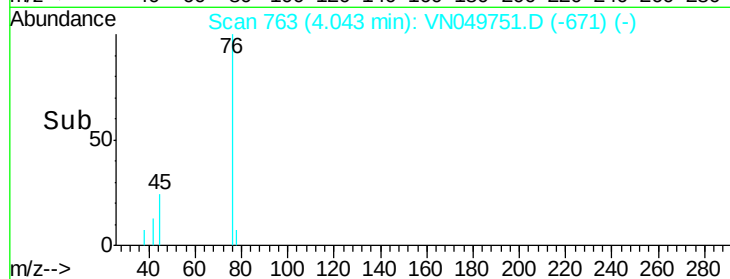
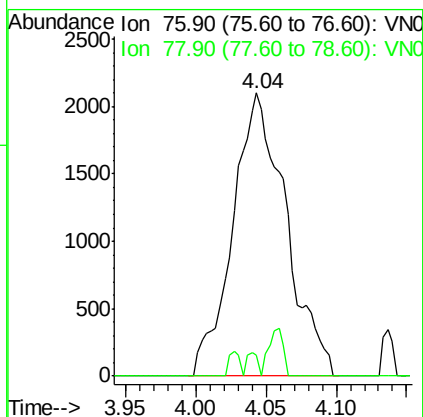
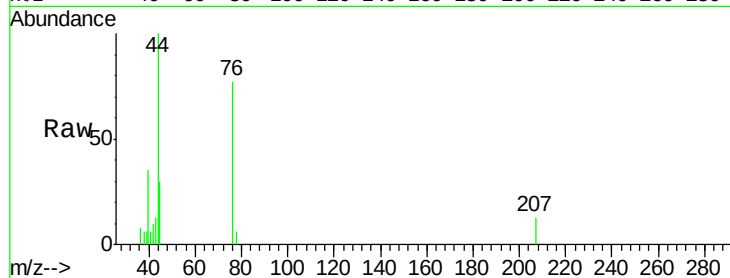
Time-->



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.04 min Scan# 763  
Delta R.T. -0.00 min  
Lab File: VN049751.D  
Acq: 6 Jul 2018 20:31

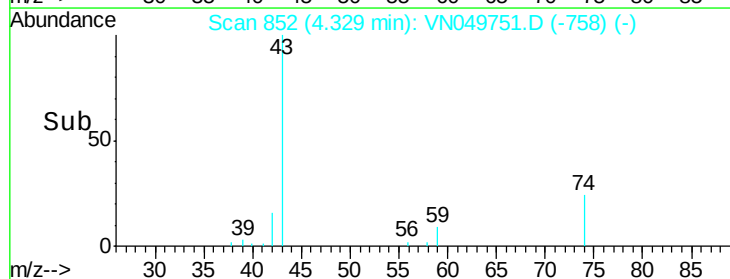
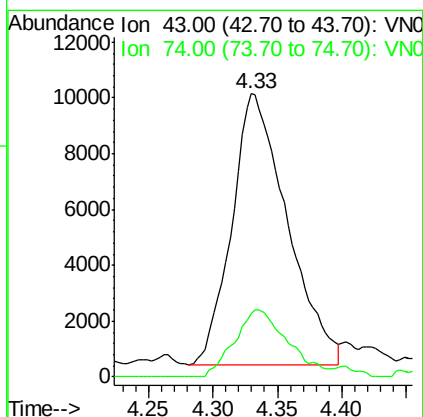
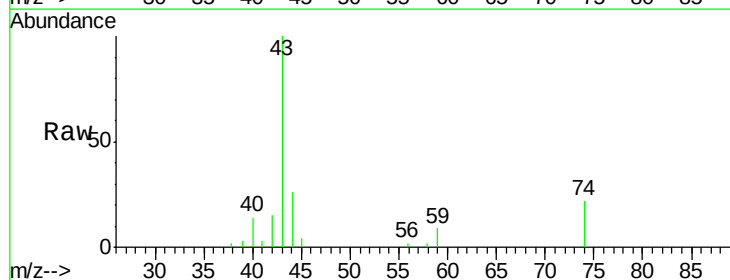
Instrument :  
MSVOA\_N  
ClientSampleId :  
TW-1

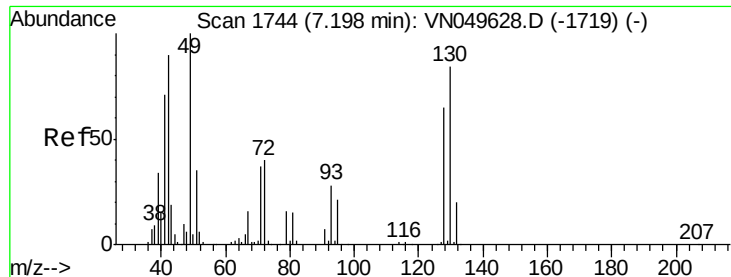
Tot Ion: 76 Resp: 5553  
Ion Ratio Lower Upper  
76 100  
78 7.4 7.1 10.7



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.33 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: VN049751.D  
Acq: 6 Jul 2018 20:31

Tgt Ion: 43 Resp: 29040  
Ion Ratio Lower Upper  
43 100  
74 24.0 19.8 29.8

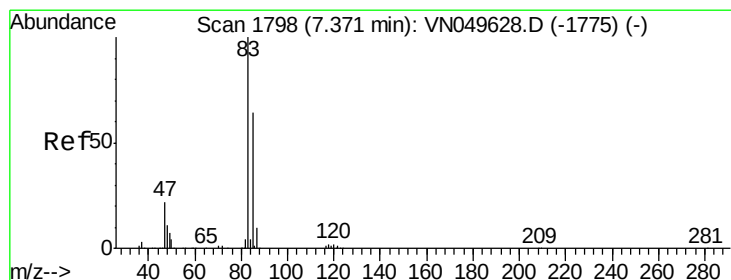
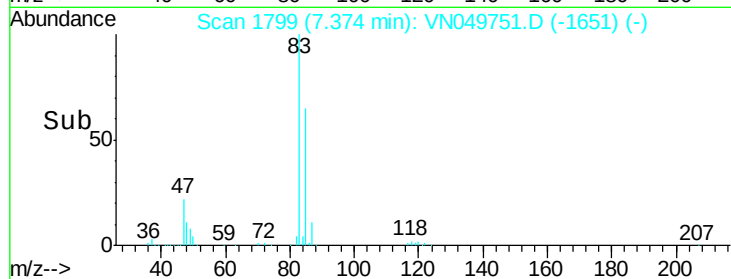
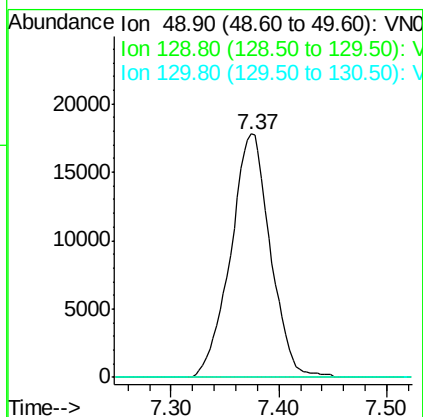
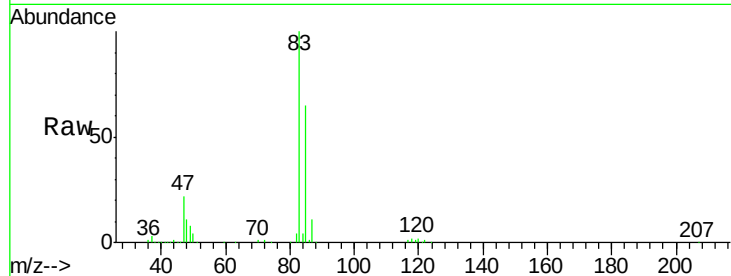




#28  
Bromochloromethane  
Concen: 3.20 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.18 min  
Lab File: VN049751.D  
Acq: 6 Jul 2018 20:31

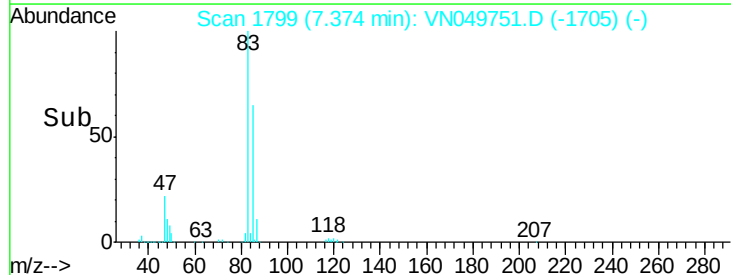
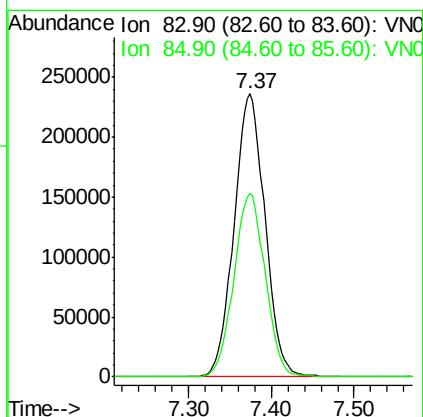
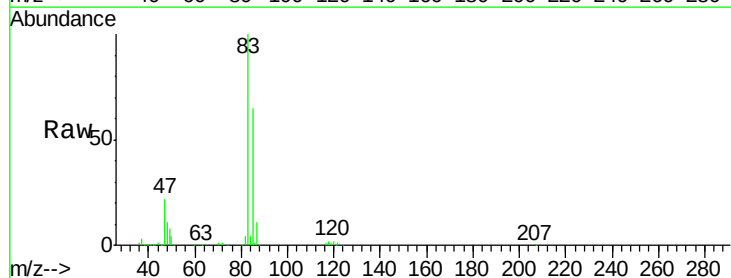
Instrument :  
MSVOA\_N  
ClientSampleId :  
TW-1

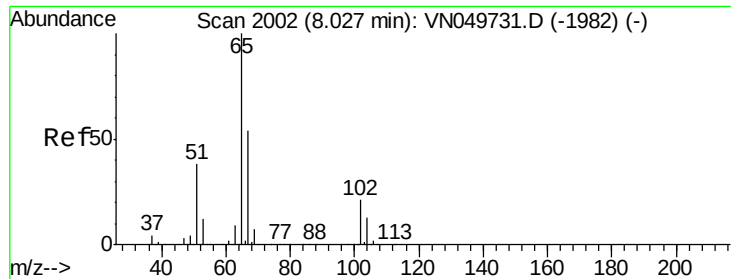
Tot Ion: 49 Resp: 45614  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.2  
130 0.0 65.5 98.3#



#30  
Chloroform  
Concen: 17.91 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN049751.D  
Acq: 6 Jul 2018 20:31

Tgt Ion: 83 Resp: 613429  
Ion Ratio Lower Upper  
83 100  
85 65.0 51.4 77.2

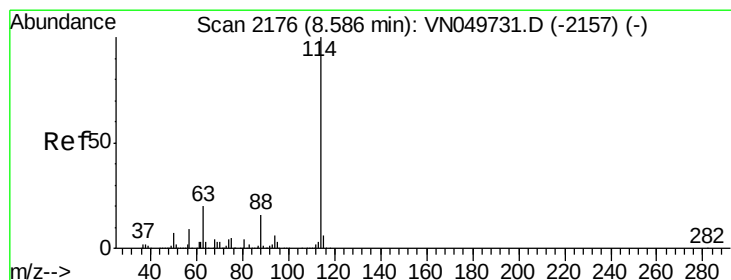
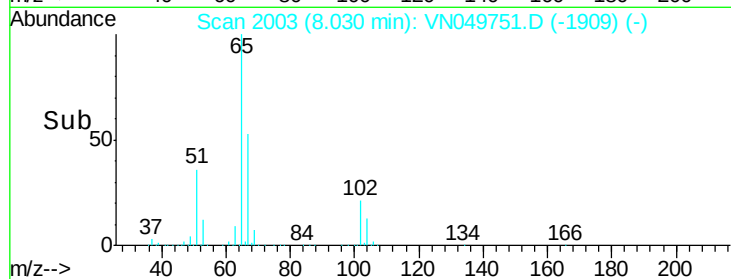
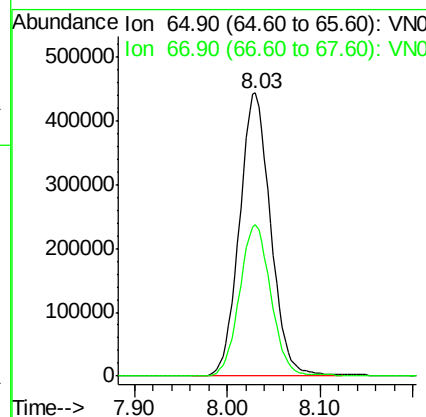
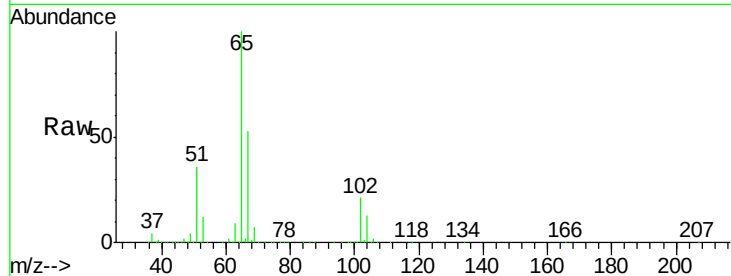




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.61 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049751.D  
 Acq: 6 Jul 2018 20:31

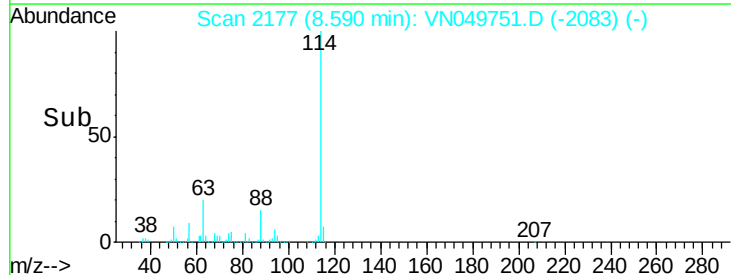
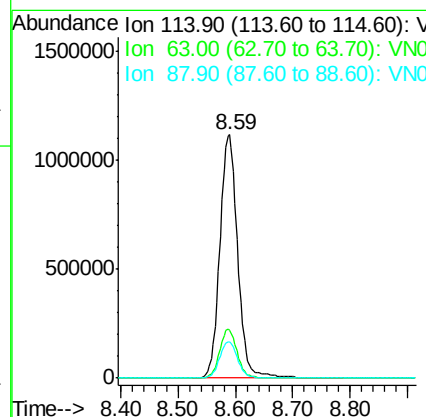
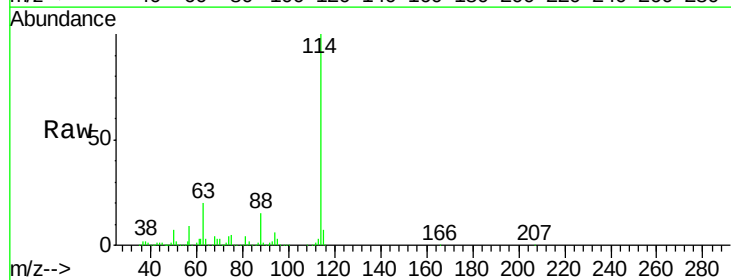
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TW-1

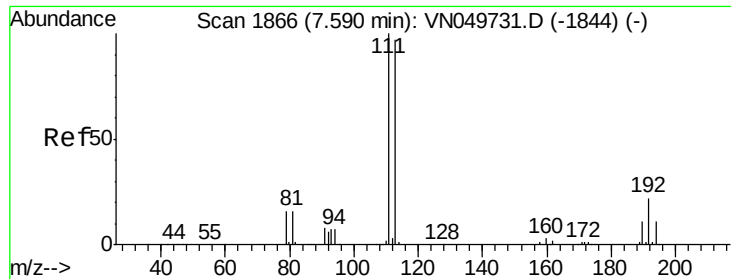
Tot Ion: 65 Resp: 1034576  
 Ion Ratio Lower Upper  
 65 100  
 67 54.0 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049751.D  
 Acq: 6 Jul 2018 20:31

Tgt Ion: 114 Resp: 2419917  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.8  
 88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.36 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

Instrument :

MSVOA\_N

ClientSampleId :

TW-1

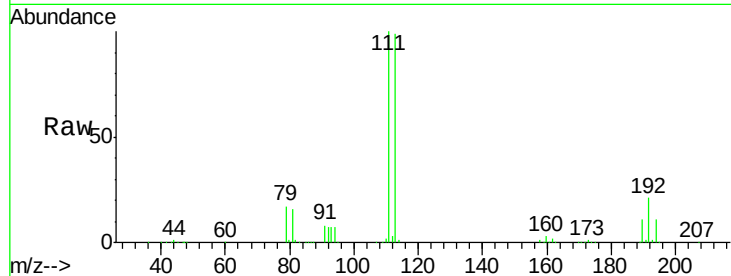
Tot Ion:113 Resp: 874905

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

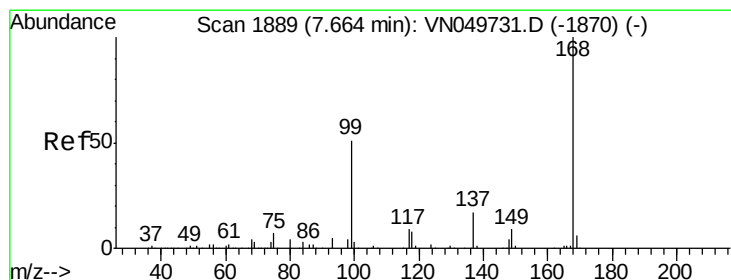
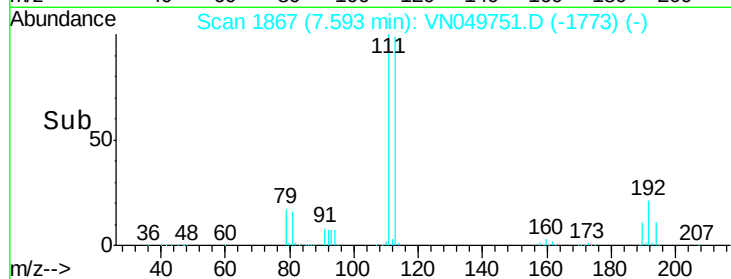
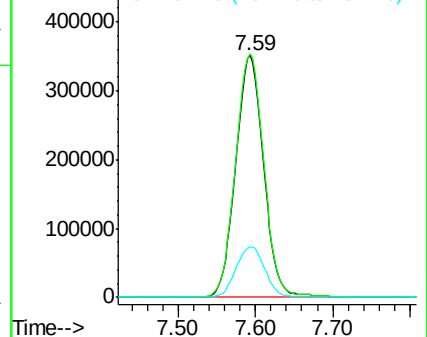
192 21.6 17.8 26.6



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: 3.77 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

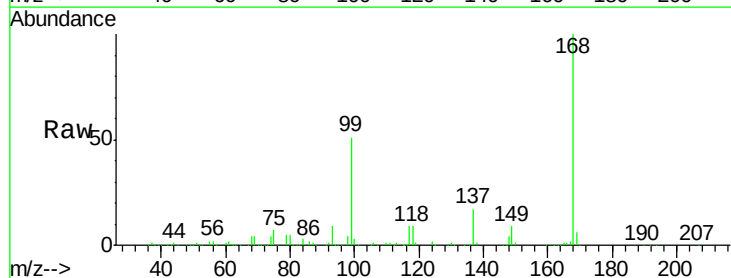
Tgt Ion: 75 Resp: 102620

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.4#

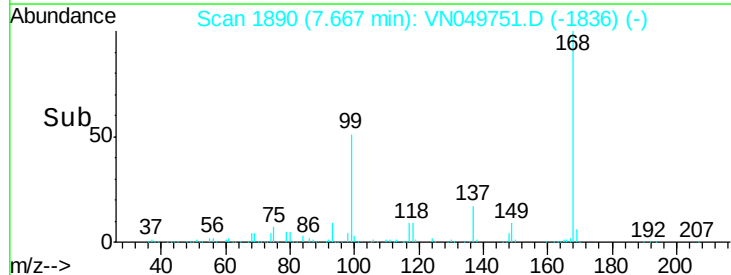
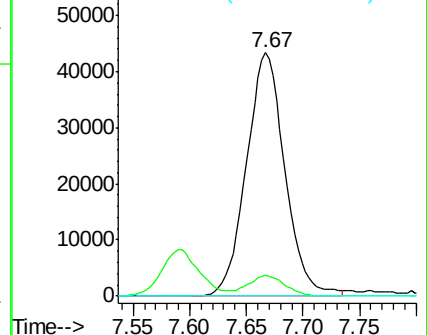
77 0.0 24.9 37.3#



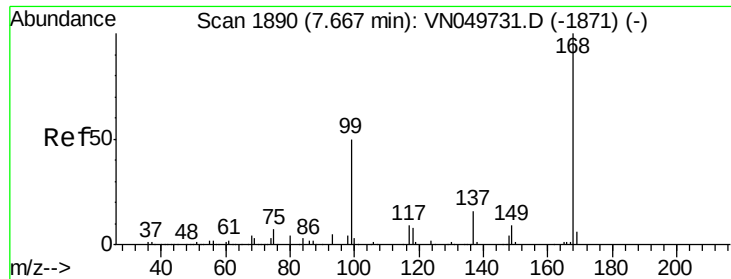
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



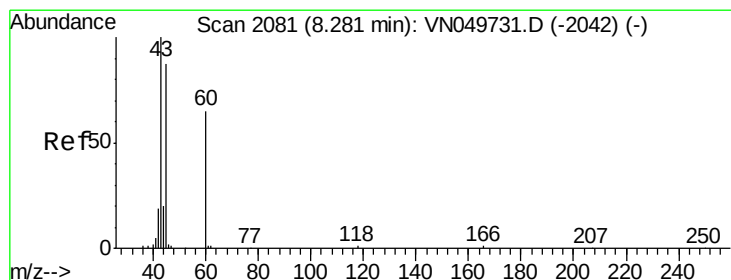
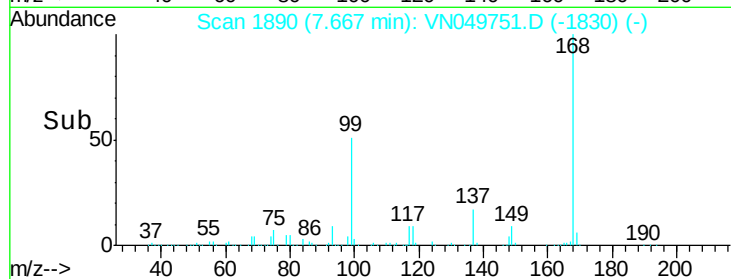
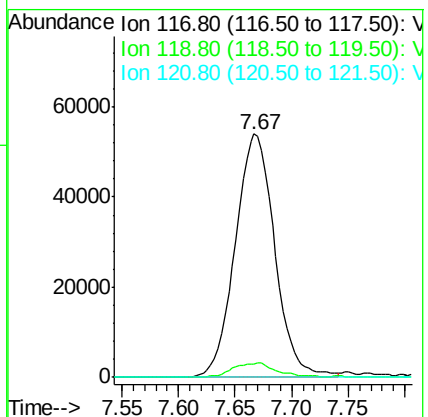
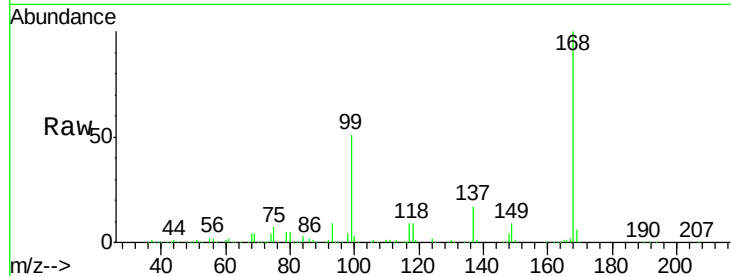




#38  
Carbon Tetrachloride  
Concen: 4.96 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN049751.D  
Acq: 6 Jul 2018 20:31

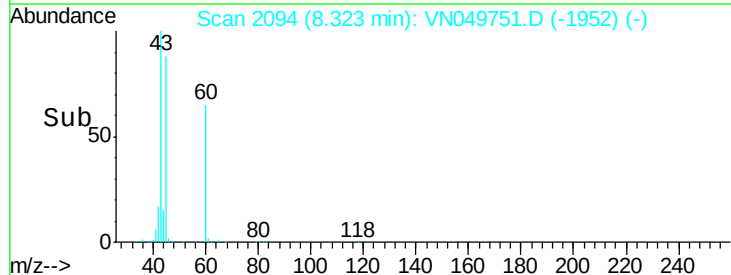
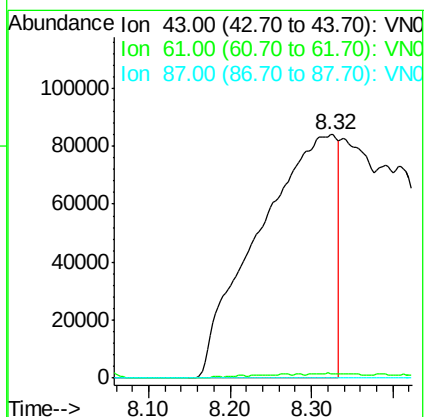
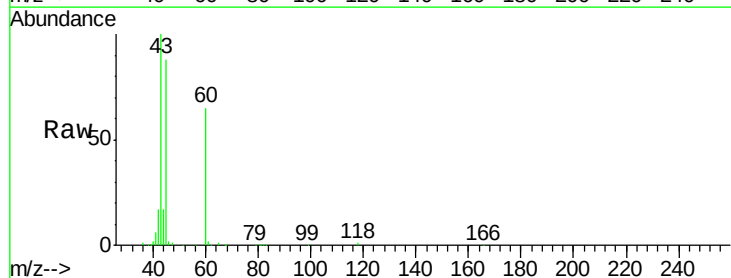
Instrument :  
MSVOA\_N  
ClientSampled :  
TW-1

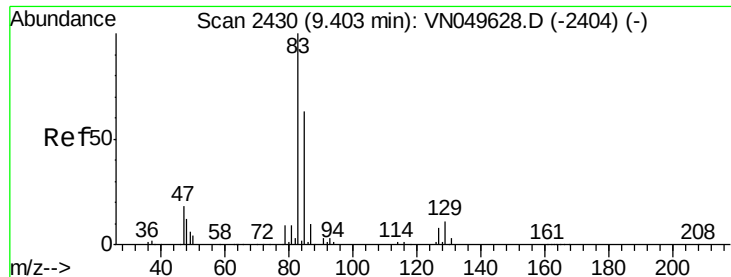
Tot Ion:117 Resp: 131341  
Ion Ratio Lower Upper  
117 100  
119 5.6 77.2 115.8#  
121 0.0 25.0 37.6#



#43  
Isopropyl Acetate  
Concen: 17.17 ug/l  
RT: 8.32 min Scan# 2094  
Delta R.T. 0.16 min  
Lab File: VN049751.D  
Acq: 6 Jul 2018 20:31

Tgt Ion: 43 Resp: 553373  
Ion Ratio Lower Upper  
43 100  
61 0.0 14.9 22.3#  
87 0.0 10.0 15.0#





#47

Bromodichloromethane

Concen: 1.07 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

Instrument :

MSVOA\_N

ClientSampled :

TW-1

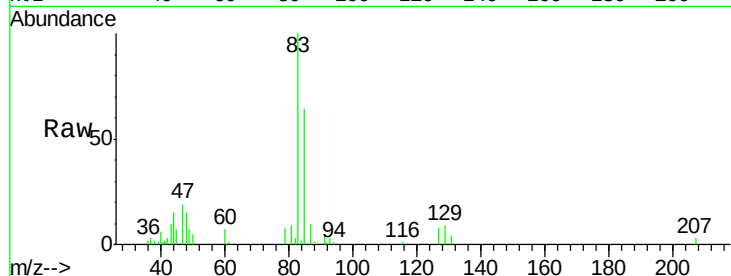
Tot Ion: 83 Resp: 29520

Ion Ratio Lower Upper

83 100

85 64.3 50.5 75.7

127 7.9 6.8 10.2

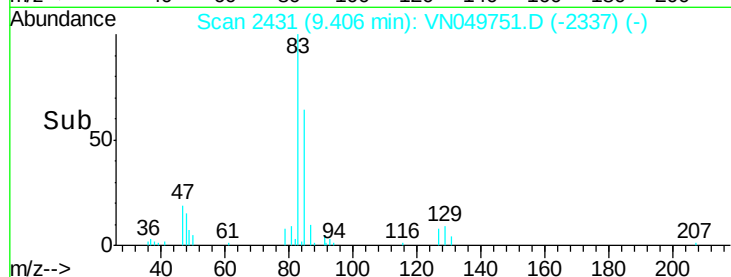


Abundance Ion 82.90 (82.60 to 83.60): VN049751.D (-2337) (-)

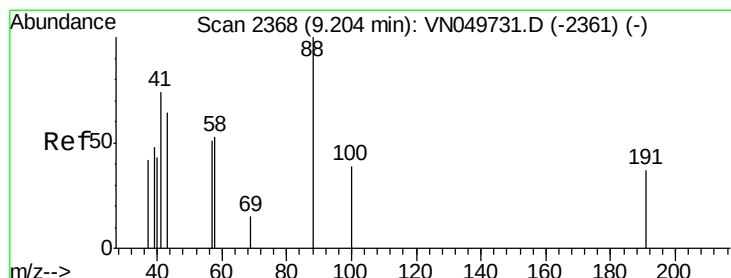
Ion 84.90 (84.60 to 85.60): VN049751.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049751.D (-2337) (-)

Time-->



Time-->



#49

1,4-Dioxane

Concen: 0.32 ug/l

RT: 9.19 min Scan# 2363

Delta R.T. -0.01 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

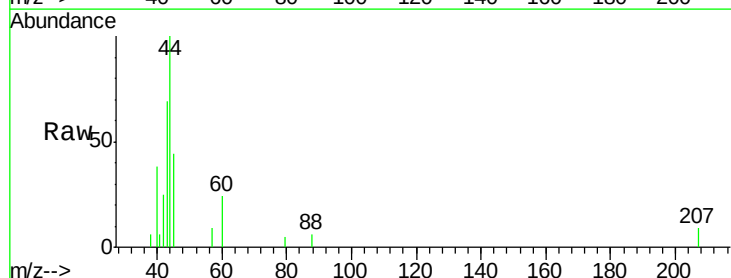
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 759.0 25.1 37.7#

58 103.3 52.5 78.7#

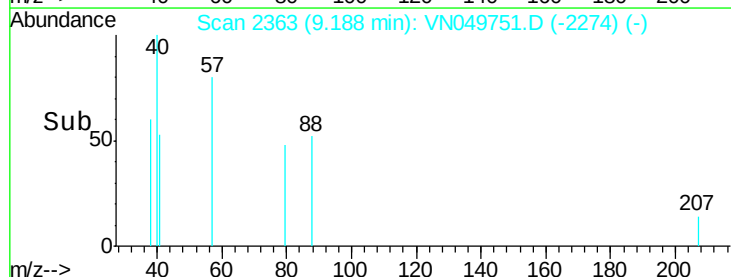


Abundance Ion 88.00 (87.70 to 88.70): VN049751.D (-2274) (-)

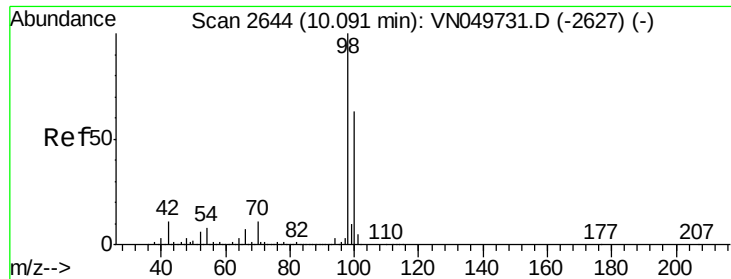
Ion 43.00 (42.70 to 43.70): VN049751.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049751.D (-2274) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 46.29 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

Instrument :

MSVOA\_N

ClientSampleId :

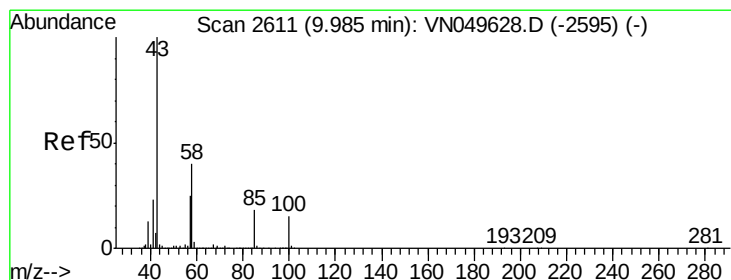
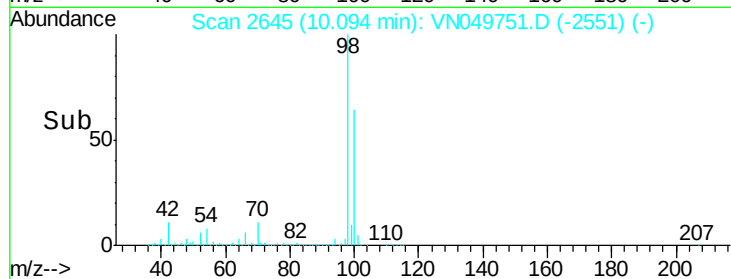
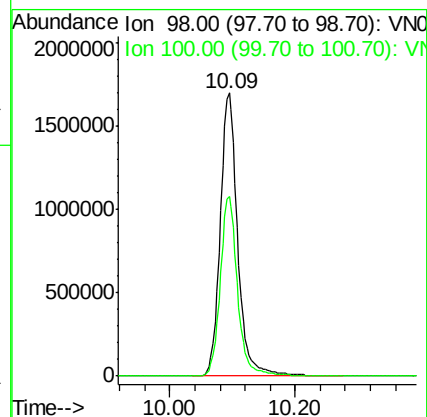
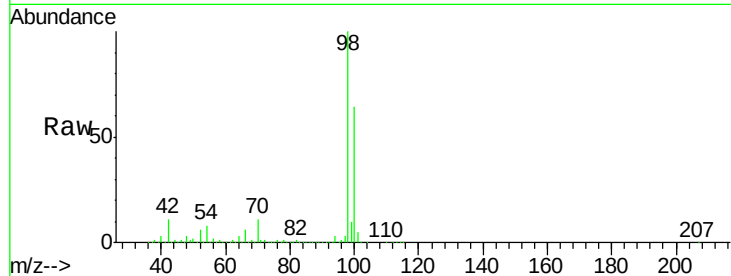
TW-1

Tot Ion: 98 Resp: 3277627

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.25 ug/l

RT: 10.02 min Scan# 2623

Delta R.T. 0.04 min

Lab File: VN049751.D

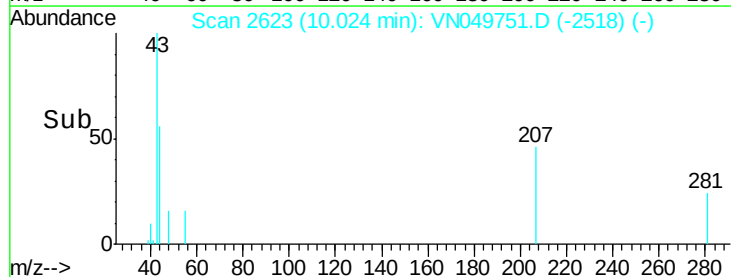
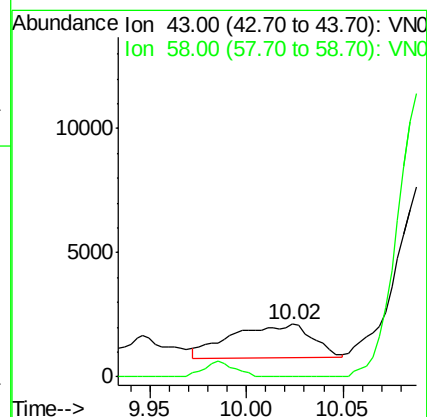
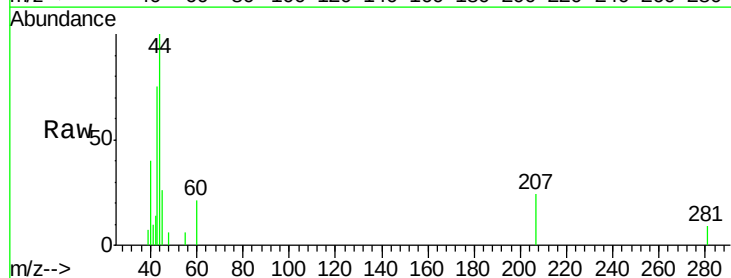
Acq: 6 Jul 2018 20:31

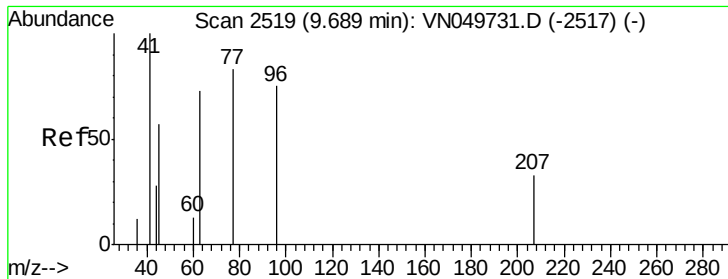
Tgt Ion: 43 Resp: 3862

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.8#

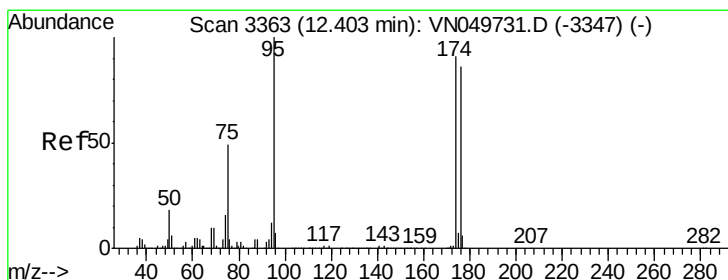
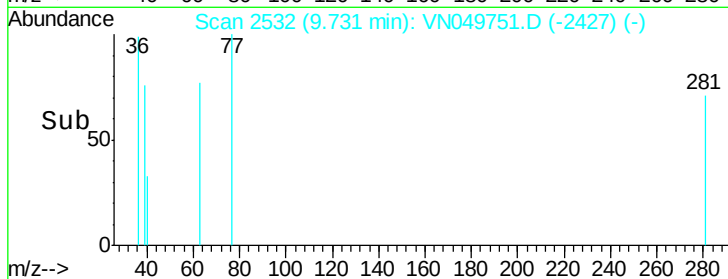
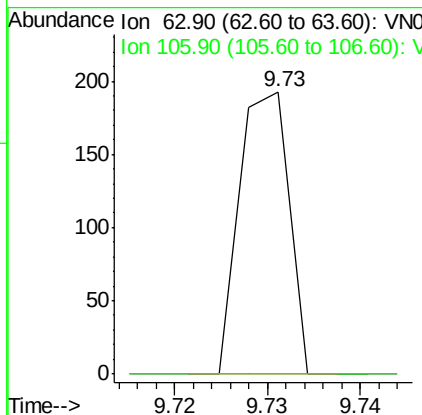
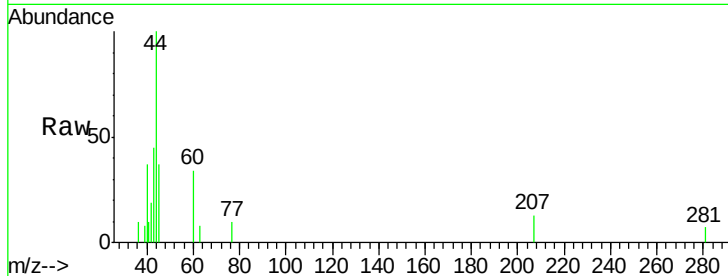




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 10.83 ug/l  
 RT: 9.73 min Scan# 2532  
 Delta R.T. 0.04 min  
 Lab File: VN049751.D  
 Acq: 6 Jul 2018 20:31

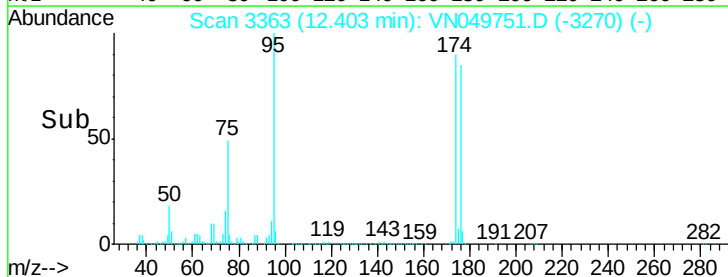
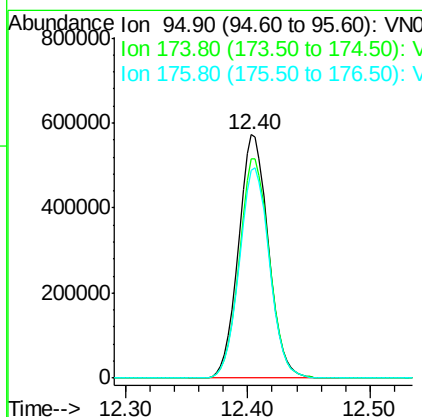
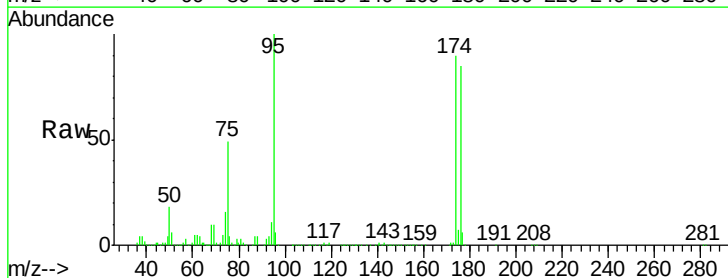
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TW-1

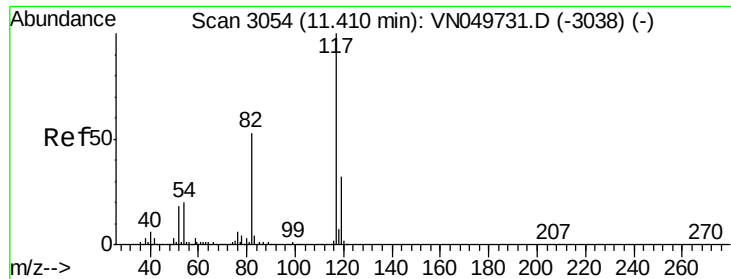
Tot Ion: 63 Resp: 72  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 21.8 32.8#



#62  
 4-Bromofluorobenzene  
 Concen: 39.88 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. -0.00 min  
 Lab File: VN049751.D  
 Acq: 6 Jul 2018 20:31

Tgt Ion: 95 Resp: 964236  
 Ion Ratio Lower Upper  
 95 100  
 174 91.0 0.0 179.6  
 176 87.1 0.0 174.0

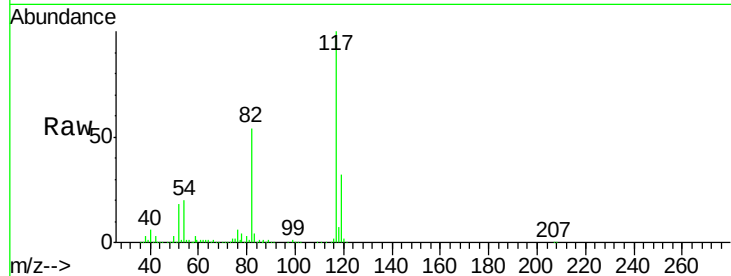




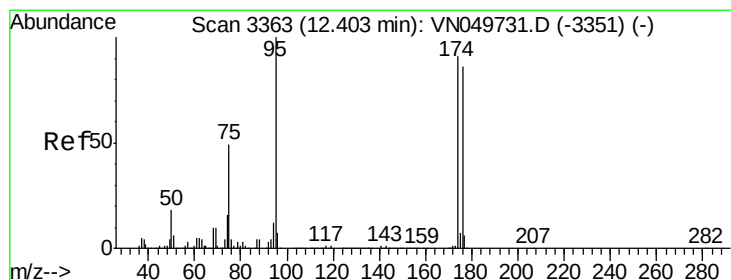
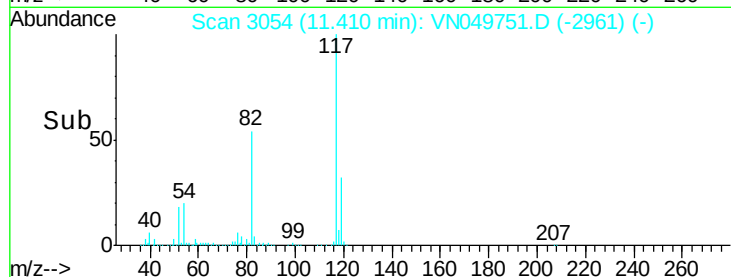
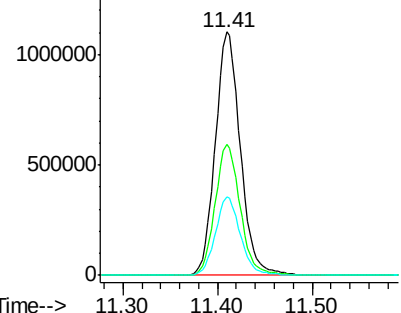
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN049751.D  
Acq: 6 Jul 2018 20:31

Instrument :  
MSVOA\_N  
ClientSampled :  
TW-1

Tot Ion:117 Resp: 2029464  
Ion Ratio Lower Upper  
117 100  
82 53.8 41.9 62.9  
119 32.3 25.4 38.2

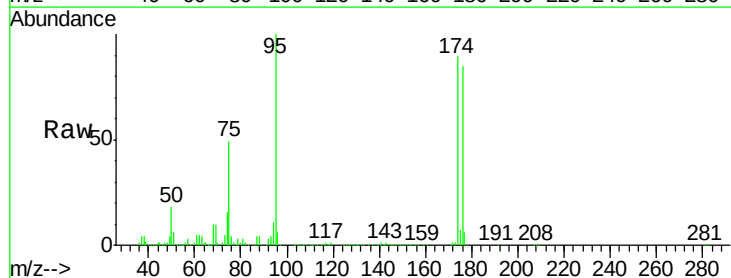


Abundance Ion 116.90 (116.60 to 117.60): V  
1500000 Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

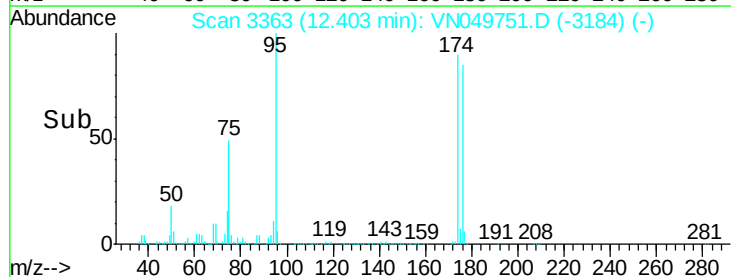
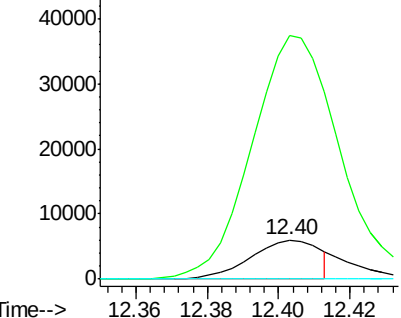


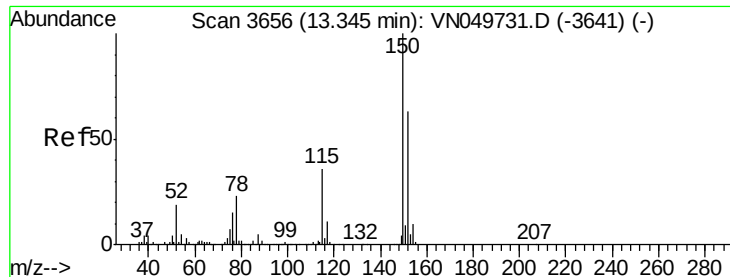
#71  
Bromoform  
Concen: 0.64 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.28 min  
Lab File: VN049751.D  
Acq: 6 Jul 2018 20:31

Tgt Ion:173 Resp: 8066  
Ion Ratio Lower Upper  
173 100  
175 624.0 24.6 73.8#  
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V  
50000 Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

Instrument :

MSVOA\_N

ClientSampled :

TW-1

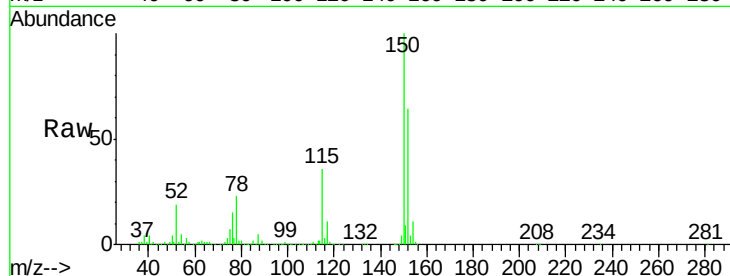
Tot Ion:152 Resp: 801771

Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

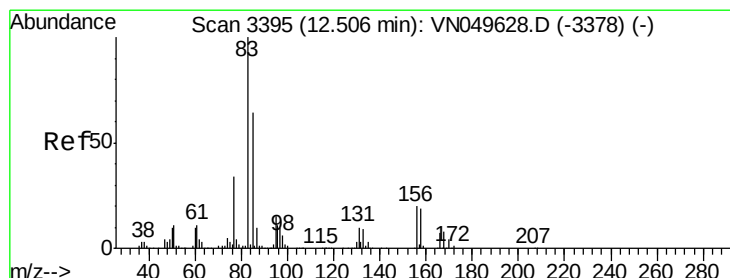
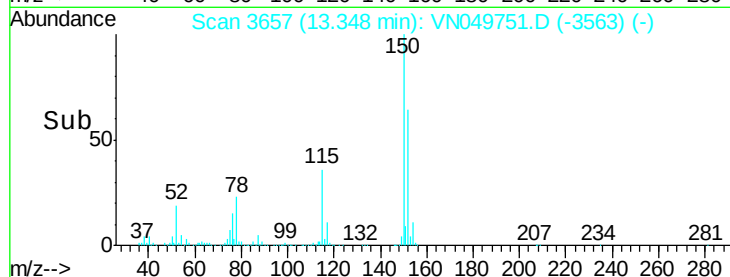
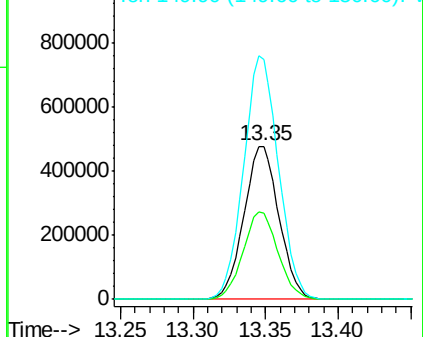
150 158.2 0.0 347.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

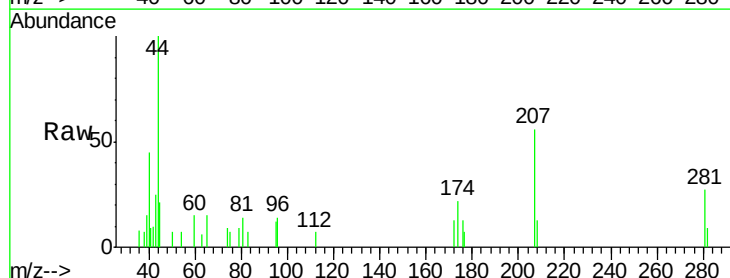
Tgt Ion: 83 Resp: 33

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

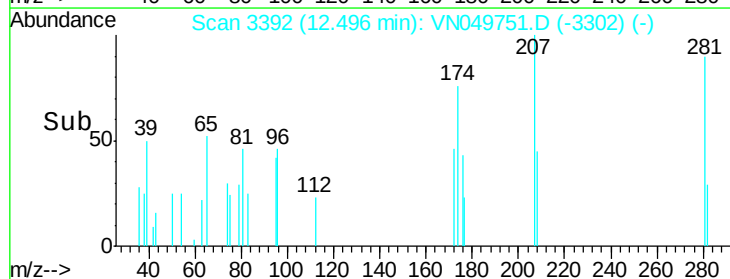
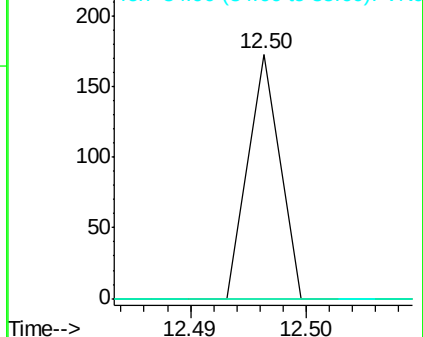
85 0.0 32.5 97.4#

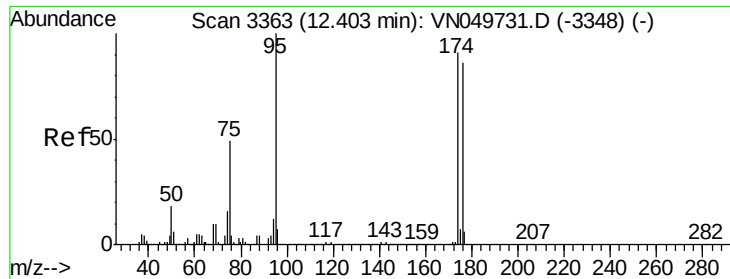


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 36.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

Instrument :

MSVOA\_N

ClientSampleId :

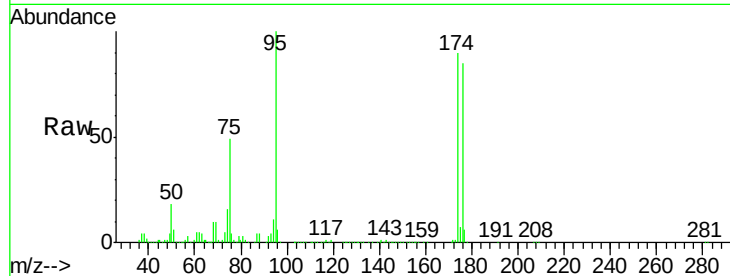
TW-1

Tot Ion: 75 Resp: 468679

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

300000

250000

200000

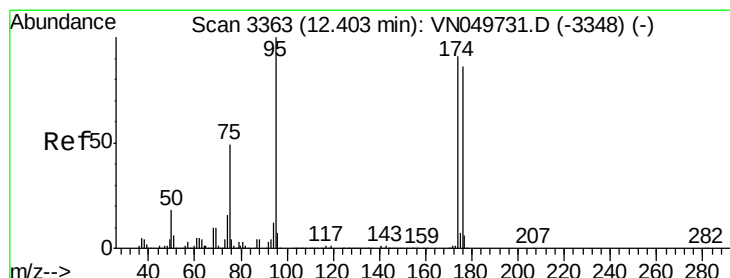
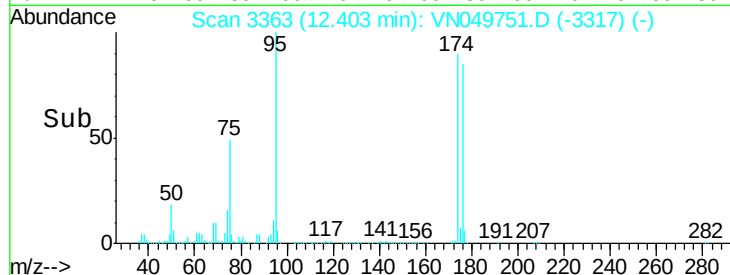
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 123.79 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049751.D

Acq: 6 Jul 2018 20:31

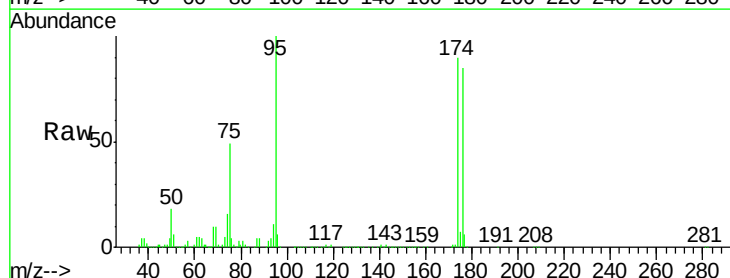
Tgt Ion: 75 Resp: 468679

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

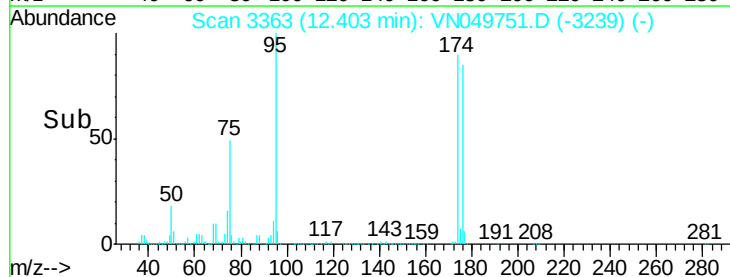
300000

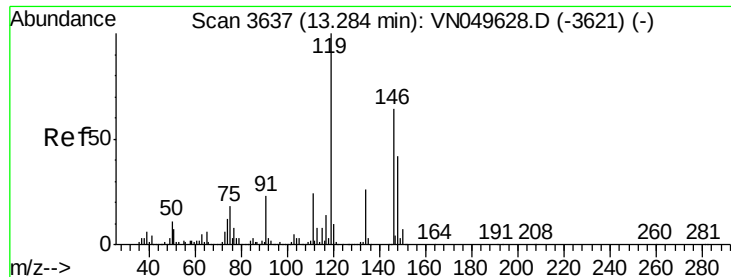
200000

100000

0

Time--> 12.30 12.40 12.50

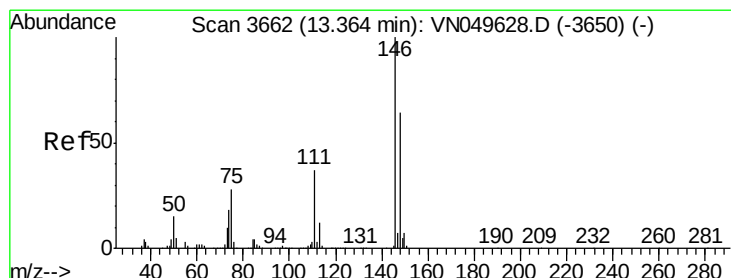
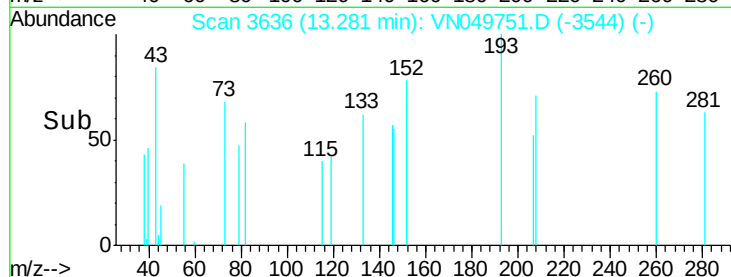
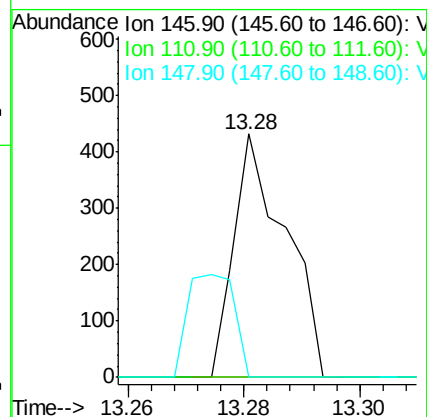
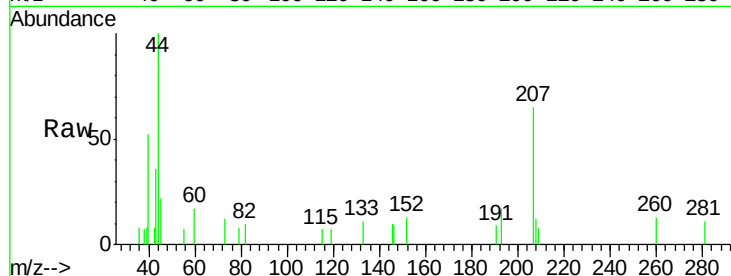




#87  
 1,3-Dichlorobenzene  
 Concen: Below Cal  
 RT: 13.28 min Scan# 3636  
 Delta R.T. -0.00 min  
 Lab File: VN049751.D  
 Acq: 6 Jul 2018 20:31

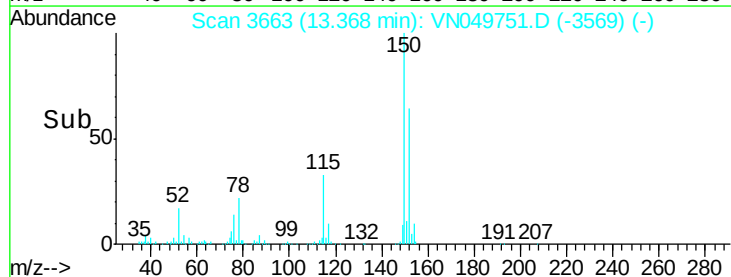
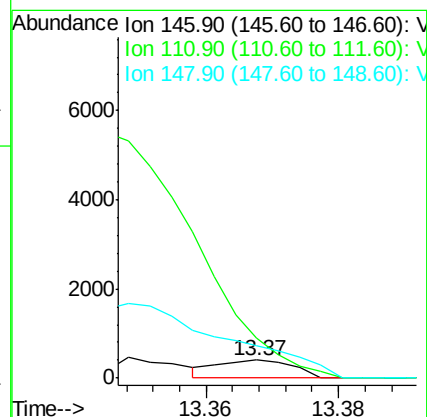
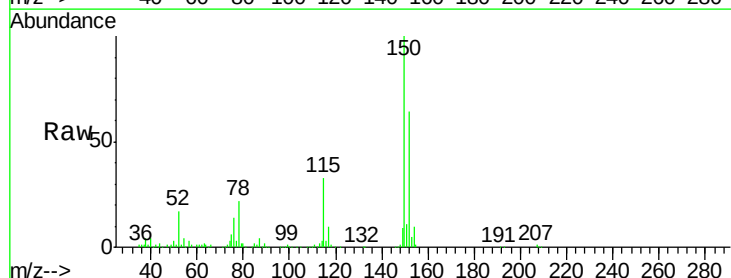
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TW-1

Tot Ion:146 Resp: 265  
 Ion Ratio Lower Upper  
 146 100  
 111 0.0 19.0 57.0#  
 148 38.5 32.5 97.5

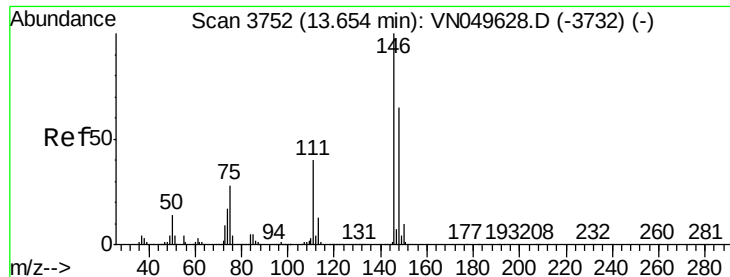


#88  
 1,4-Dichlorobenzene  
 Concen: Below Cal  
 RT: 13.37 min Scan# 3663  
 Delta R.T. 0.00 min  
 Lab File: VN049751.D  
 Acq: 6 Jul 2018 20:31

Tgt Ion:146 Resp: 318  
 Ion Ratio Lower Upper  
 146 100  
 111 0.0 18.9 56.5#  
 148 0.0 32.1 96.3#



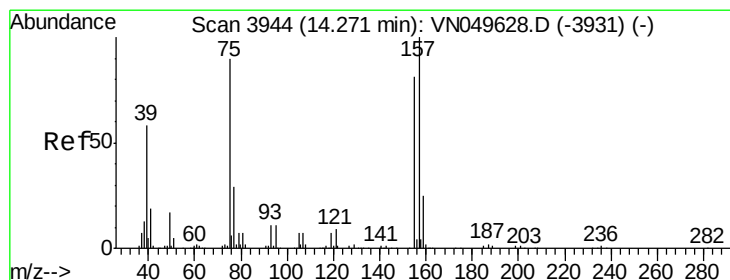
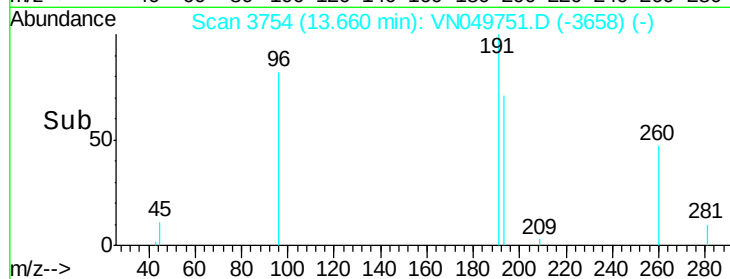
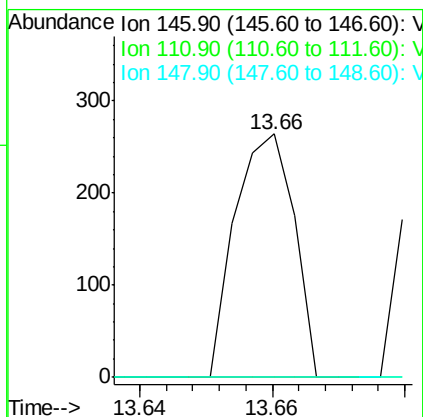
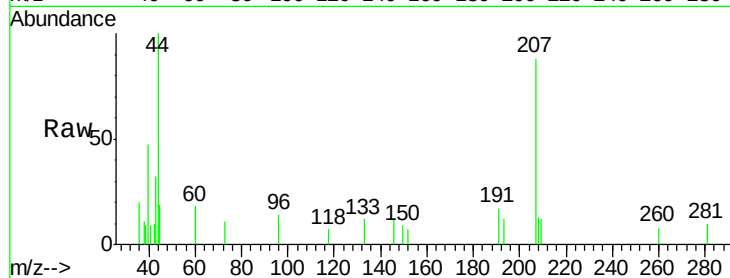




#91  
 1,2-Dichlorobenzene  
 Concen: Below Cal  
 RT: 13.66 min Scan# 3754  
 Delta R.T. 0.01 min  
 Lab File: VN049751.D  
 Acq: 6 Jul 2018 20:31

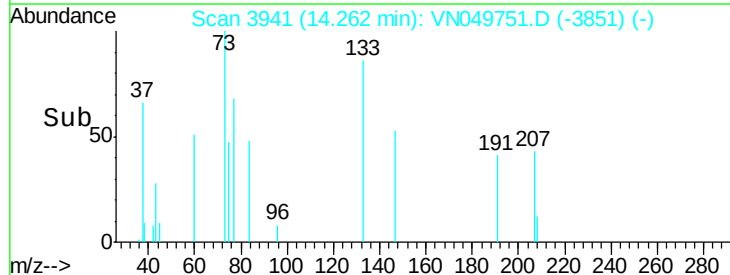
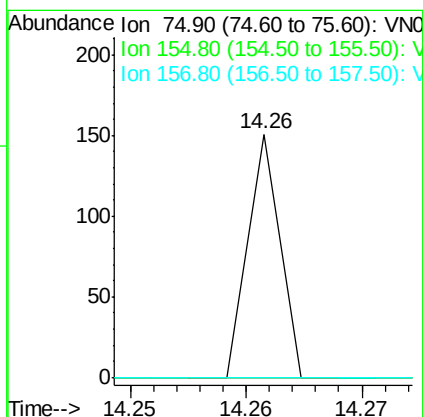
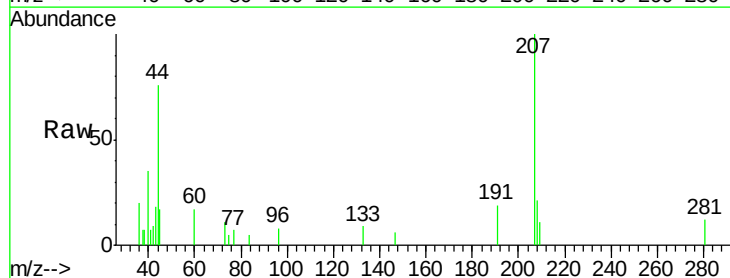
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TW-1

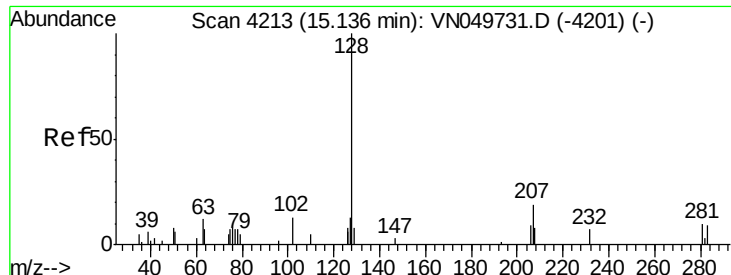
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 0.0   | 19.7  | 59.1# |
| 148     | 0.0   | 32.0  | 96.2# |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: Below Cal  
 RT: 14.26 min Scan# 3941  
 Delta R.T. -0.01 min  
 Lab File: VN049751.D  
 Acq: 6 Jul 2018 20:31

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 155     | 0.0   | 45.7  | 137.1# |
| 157     | 0.0   | 56.9  | 170.7# |

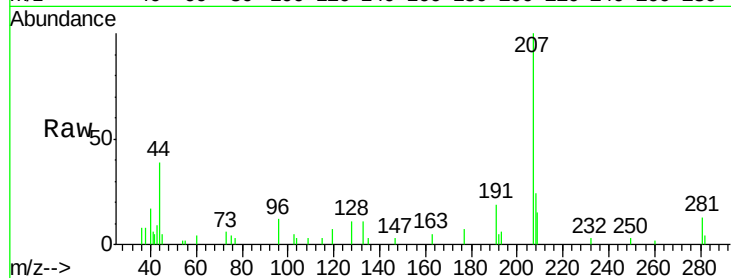




#95  
 Naphthalene  
 Concen: 4.08 ug/l  
 RT: 15.14 min Scan# 4214  
 Delta R.T. 0.00 min  
 Lab File: VN049751.D  
 Acq: 6 Jul 2018 20:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TW-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 0.0   | 10.4  | 15.6# |
| 129     | 0.0   | 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

