

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070518\  
 Data File : VN049720.D  
 Acq On : 5 Jul 2018 18:17  
 Operator : MD\SY  
 Sample : PB110828ZHE#07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jul 06 02:12:07 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  | 1179890  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1985502  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1609298  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 604017   | 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   | 839597   | 53.88 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.76% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 684969   | 46.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.30%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2604235  | 44.82 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.64%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 745050   | 37.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 75.12%  |          |

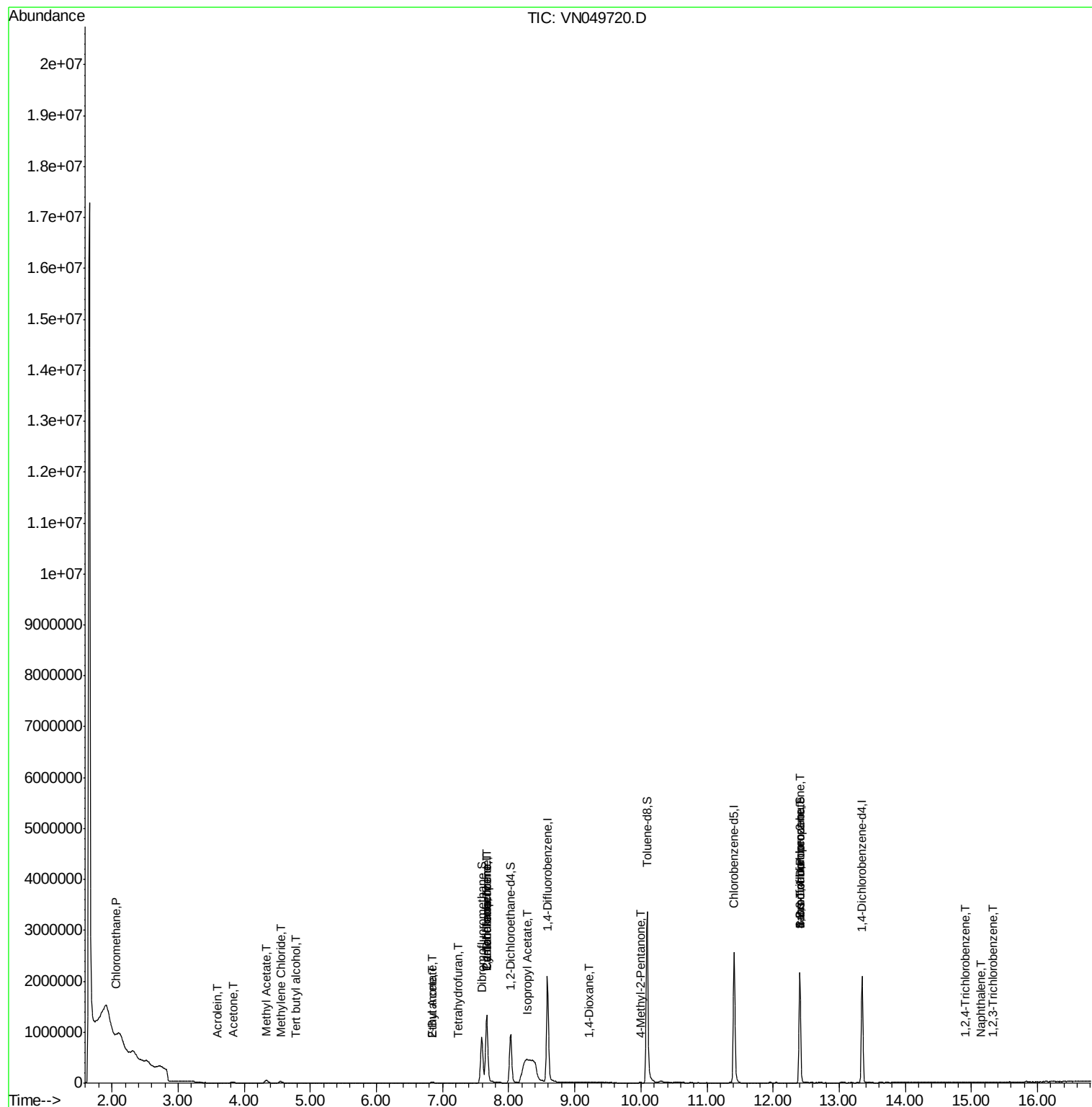
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 2.06  | 50   | 4298     | 0.26      | ug/l   | 92     |
| 11) Tert butyl alcohol         | 4.78  | 59   | 587      | 0.66      | ug/l # | 72     |
| 13) Acrolein                   | 3.60  | 56   | 410      | 0.49      | ug/l # | 78     |
| 16) Acetone                    | 3.83  | 43   | 33688    | 2.87      | ug/l   | 95     |
| 17) Carbon Disulfide           | 4.05  | 76   | 4254     | Below Cal | #      | 75     |
| 18) Methyl Acetate             | 4.33  | 43   | 94913    | 1.61      | ug/l   | 98     |
| 20) Methylene Chloride         | 4.55  | 84   | 20362    | 1.27      | ug/l   | 94     |
| 25) 2-Butanone                 | 6.85  | 43   | 8418     | 1.63      | ug/l   | 100    |
| 29) Tetrahydrofuran            | 7.23  | 42   | 3332     | 1.01      | ug/l # | 43     |
| 31) Cyclohexane                | 7.67  | 56   | 21957    | 0.21      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 83148    | 3.72      | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.85  | 43   | 8418     | 0.65      | ug/l # | 68     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 103267   | 4.75      | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.27  | 43   | 741169   | 28.40     | ug/l # | 62     |
| 49) 1,4-Dioxane                | 9.22  | 88   | 105      | 0.67      | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3183     | 0.25      | ug/l # | 67     |
| 71) Bromoform                  | 12.40 | 173  | 6349     | 0.63      | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 31       | Below Cal | #      | 25     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 359550   | 37.12     | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 359550   | 126.06    | ug/l # | 13     |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 580      | Below Cal | #      | 36     |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1004     | Below Cal | #      | 1      |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 444      | Below Cal | #      | 52     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 251      | Below Cal | #      | 1      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 475      | 2.44      | ug/l # | 23     |
| 95) Naphthalene                | 15.14 | 128  | 1047     | 4.08      | ug/l # | 69     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 101      | 1.66      | ug/l # | 12     |

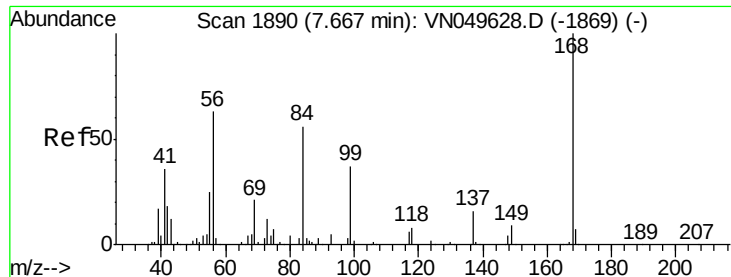
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070518\  
Data File : VN049720.D  
Acq On : 5 Jul 2018 18:17  
Operator : MD\SY  
Sample : PB110828ZHE#07  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jul 06 02:12:07 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: VN049720.D

Acq: 5 Jul 2018 18:17

Instrument :

MSVOA\_N

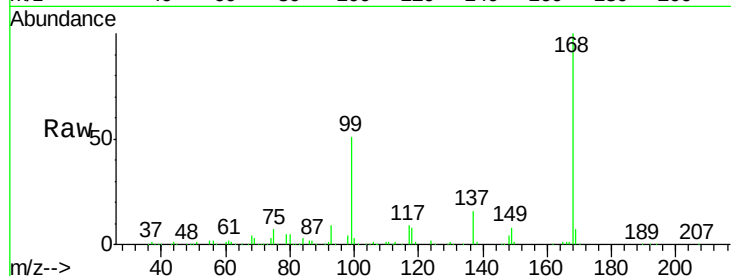
ClientSampleId :

Tot Ion:168 Resp: 1179890

Ion Ratio Lower Upper

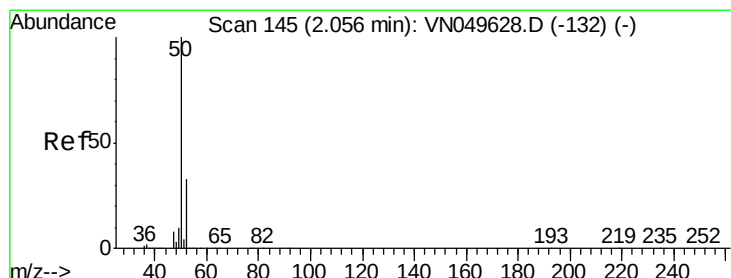
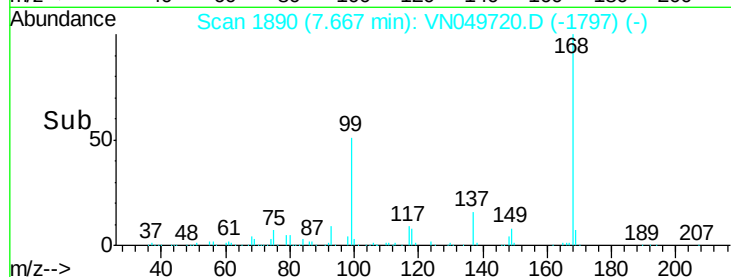
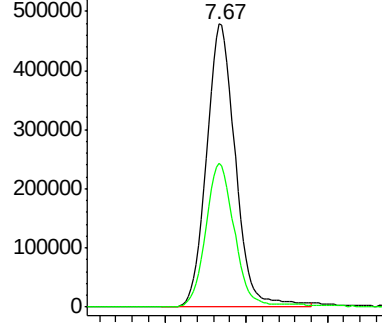
168 100

99 50.8 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: 0.26 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049720.D

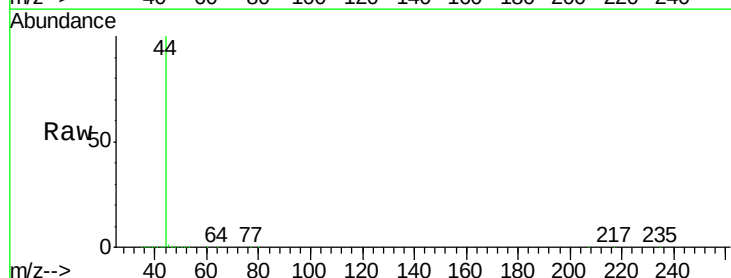
Acq: 5 Jul 2018 18:17

Tgt Ion: 50 Resp: 4298

Ion Ratio Lower Upper

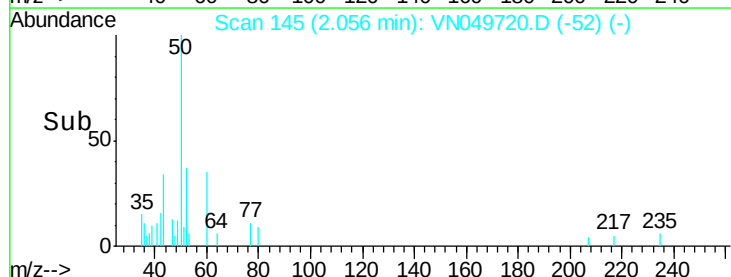
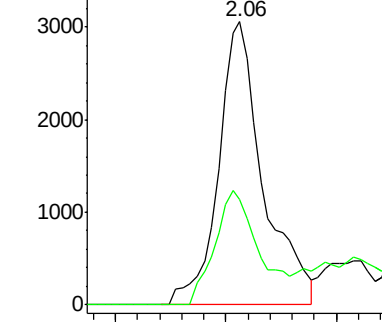
50 100

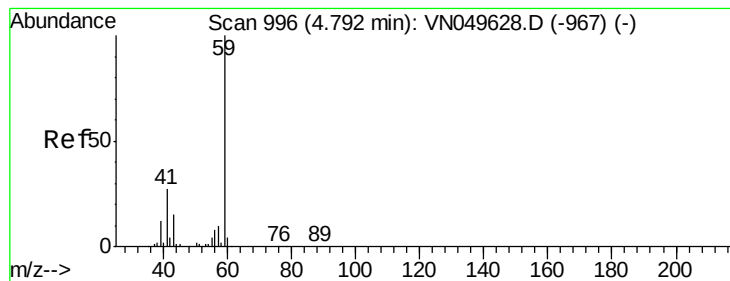
52 37.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



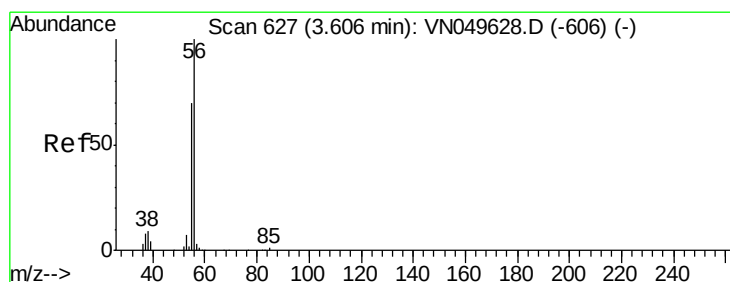
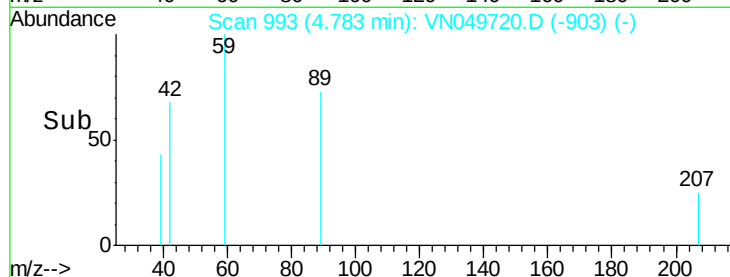
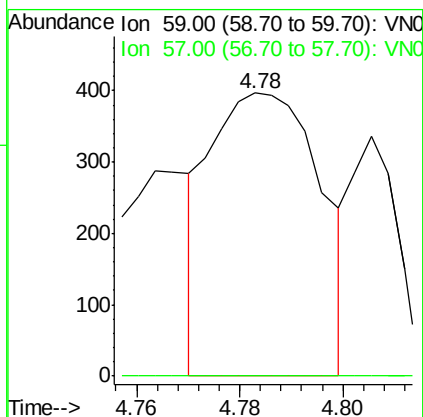
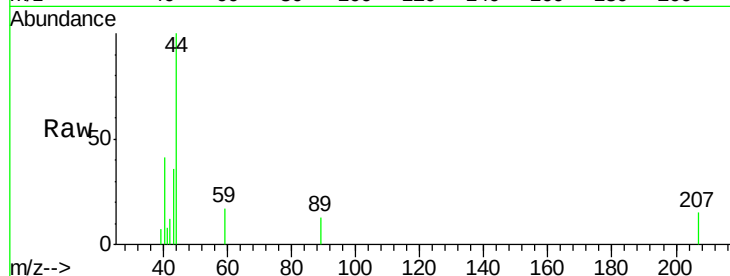


#11

Tert butyl alcohol  
Concen: 0.66 ug/l  
RT: 4.78 min Scan# 993  
Delta R.T. -0.01 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampled :

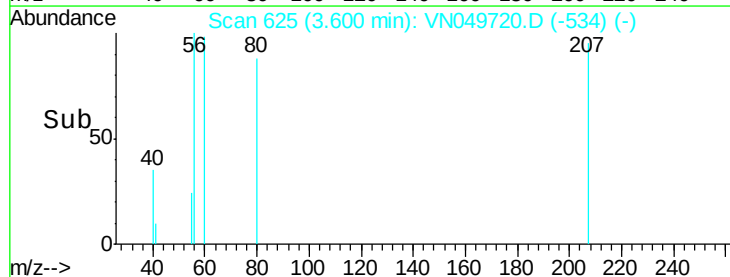
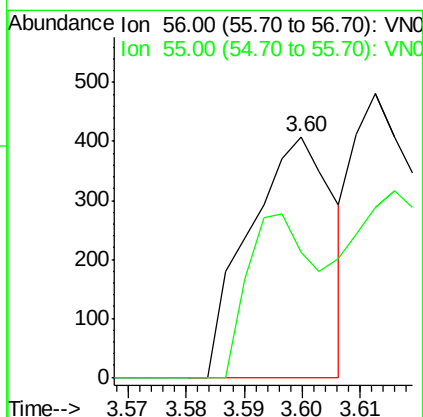
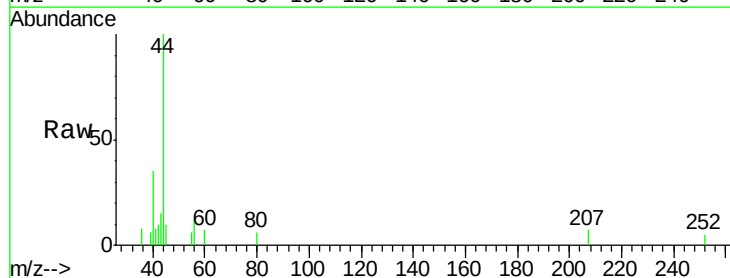
Tot Ion: 59 Resp: 587  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#

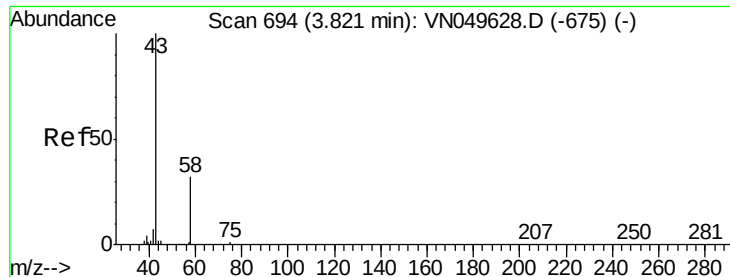


#13

Acrolein  
Concen: 0.49 ug/l  
RT: 3.60 min Scan# 625  
Delta R.T. -0.01 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Tgt Ion: 56 Resp: 410  
Ion Ratio Lower Upper  
56 100  
55 52.0 55.8 83.8#





#16

Acetone

Concen: 2.87 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049720.D

Acq: 5 Jul 2018 18:17

Instrument :

MSVOA\_N

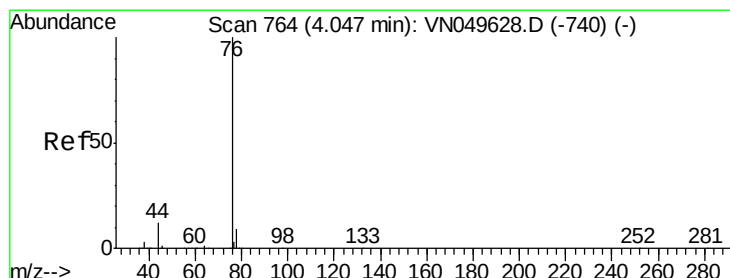
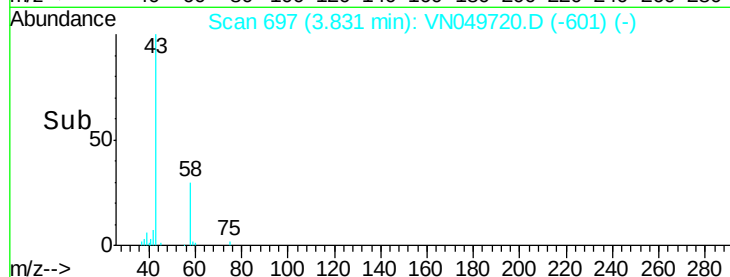
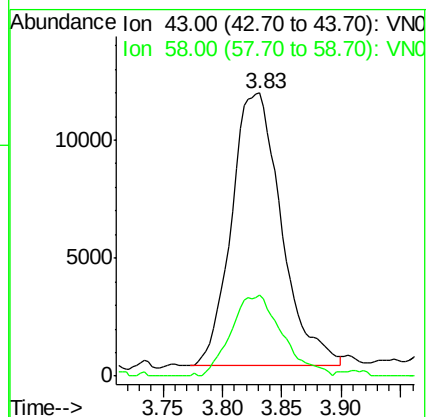
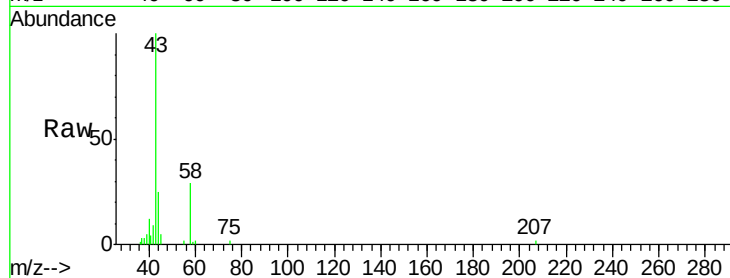
ClientSampled :

Tot Ion: 43 Resp: 33688

Ion Ratio Lower Upper

43 100

58 29.7 25.9 38.9



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049720.D

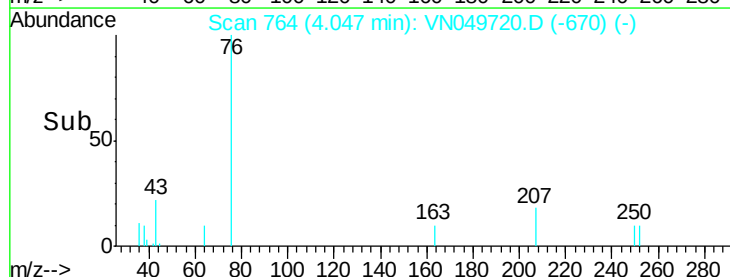
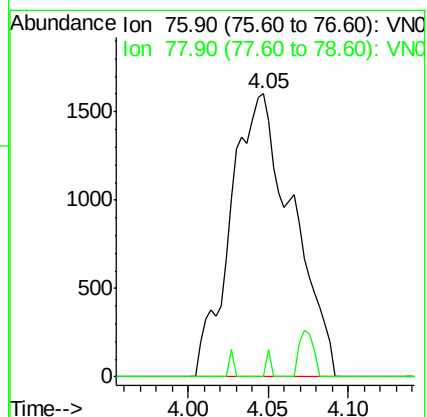
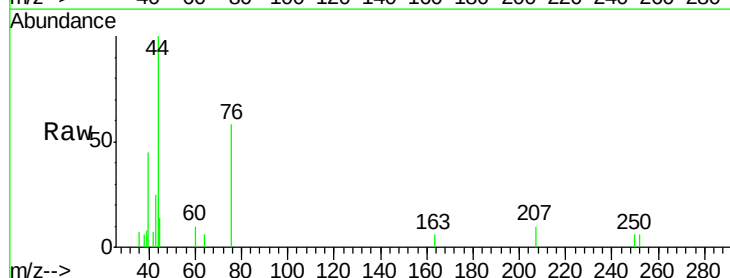
Acq: 5 Jul 2018 18:17

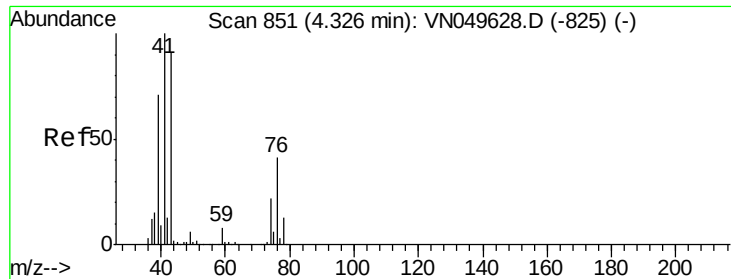
Tgt Ion: 76 Resp: 4254

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

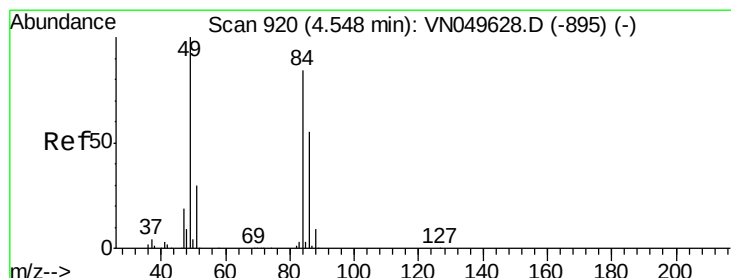
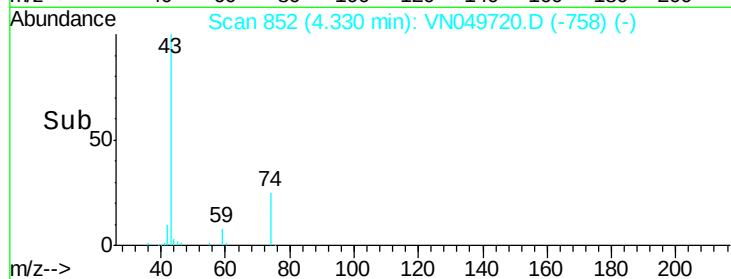
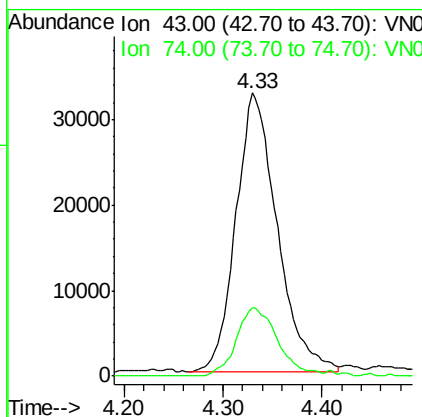
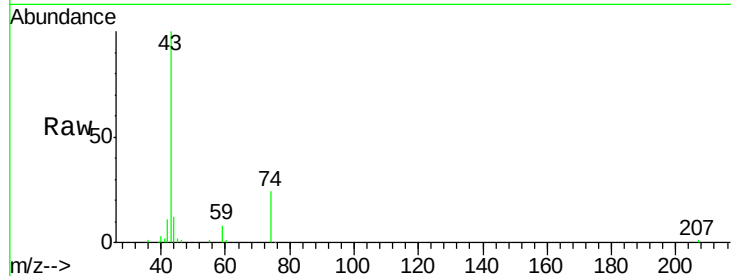




#18  
Methvl Acetate  
Concen: 1.61 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

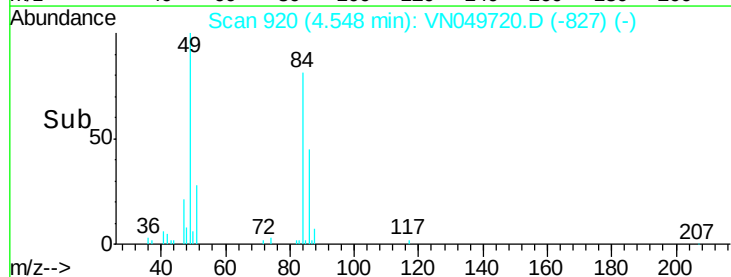
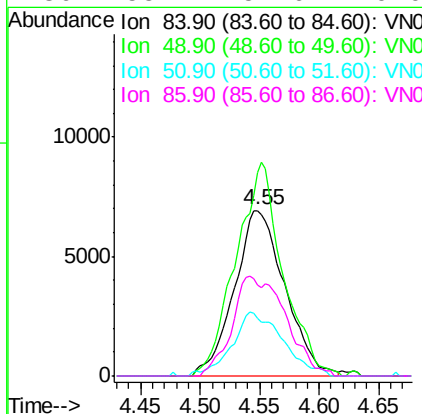
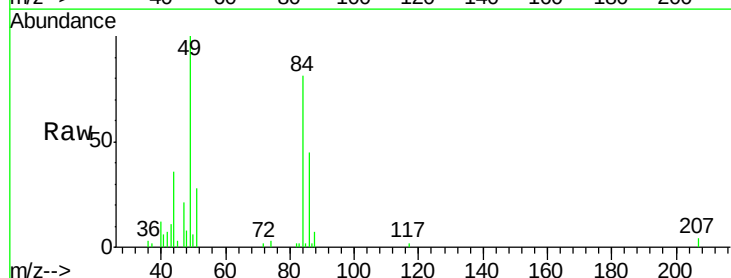
Instrument :  
MSVOA\_N  
ClientSampled :

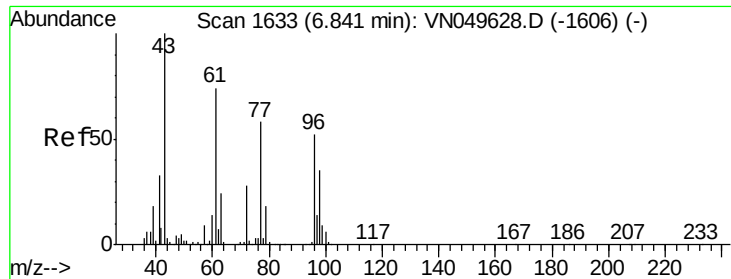
Tot Ion: 43 Resp: 94913  
Ion Ratio Lower Upper  
43 100  
74 24.0 19.8 29.8



#20  
Methylene Chloride  
Concen: 1.27 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Tgt Ion: 84 Resp: 20362  
Ion Ratio Lower Upper  
84 100  
49 122.8 95.4 143.2  
51 35.0 28.4 42.6  
86 55.1 52.6 79.0

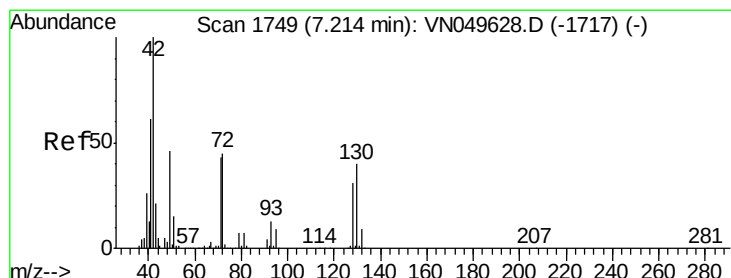
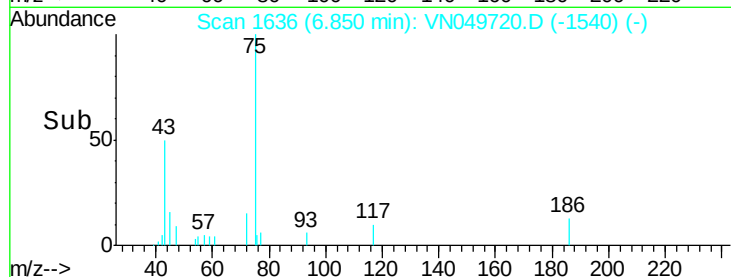
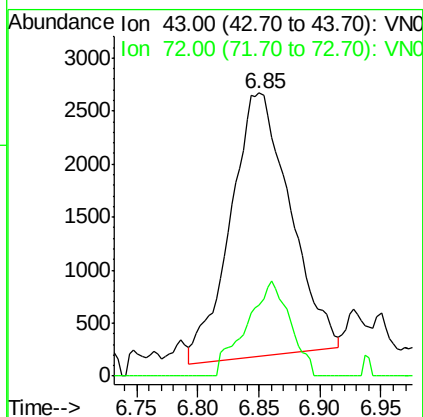
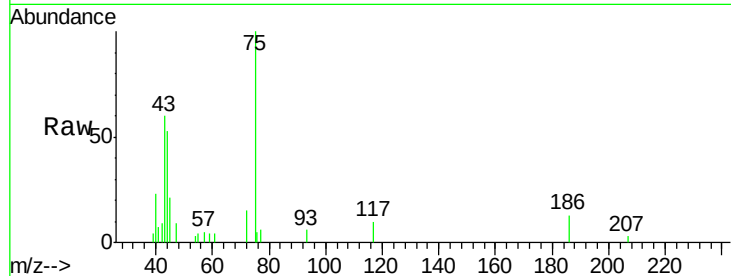




#25  
2-Butanone  
Concen: 1.63 ug/l  
RT: 6.85 min Scan# 1636  
Delta R.T. 0.01 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

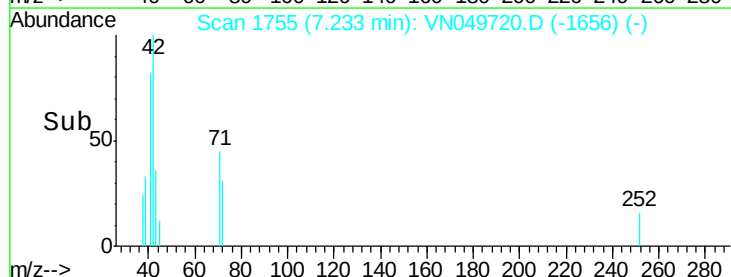
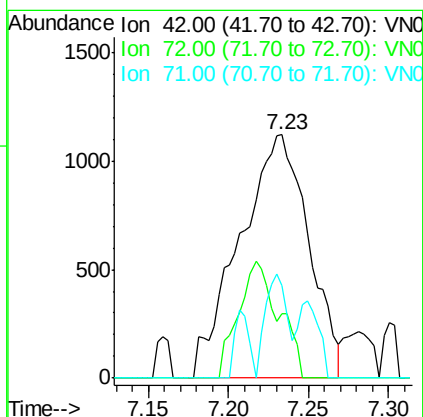
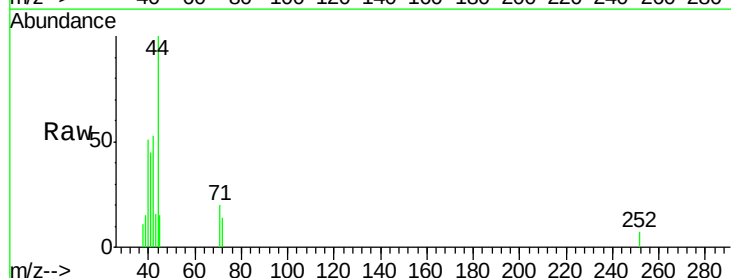
Instrument :  
MSVOA\_N  
ClientSampled :

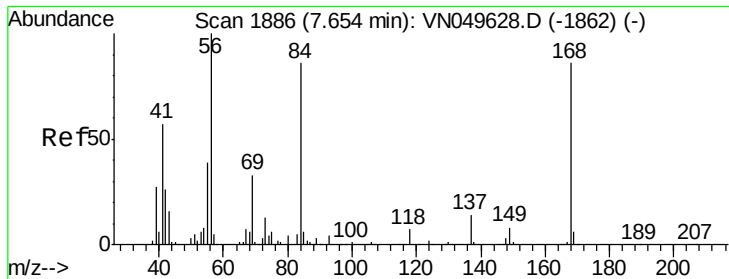
Tot Ion: 43 Resp: 8418  
Ion Ratio Lower Upper  
43 100  
72 27.8 22.1 33.1



#29  
Tetrahydrofuran  
Concen: 1.01 ug/l  
RT: 7.23 min Scan# 1755  
Delta R.T. 0.02 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Tgt Ion: 42 Resp: 3332  
Ion Ratio Lower Upper  
42 100  
72 0.0 35.6 53.4#  
71 13.7 34.0 51.0#





#31

Cyclohexane

Concen: 0.21 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049720.D

Acq: 5 Jul 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampled :

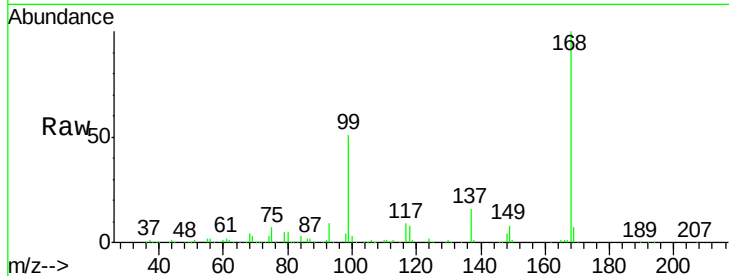
Tot Ion: 56 Resp: 21957

Ion Ratio Lower Upper

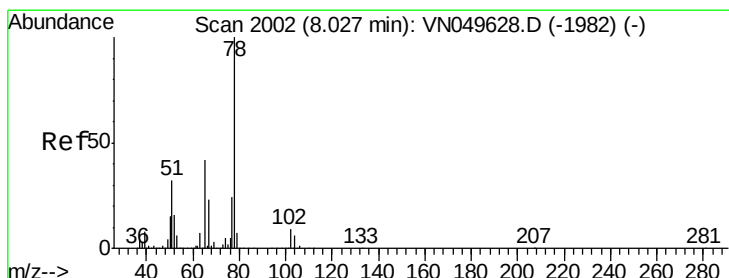
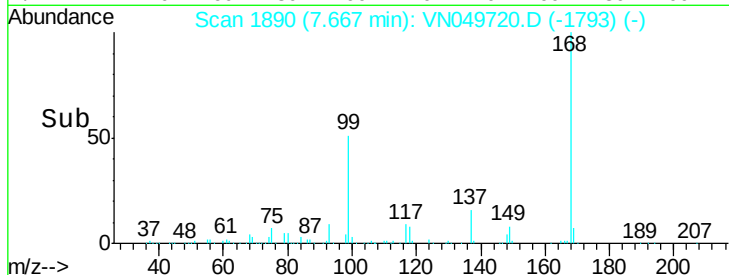
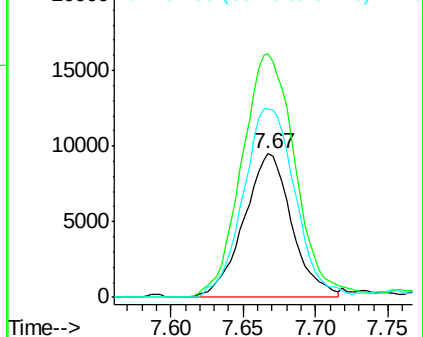
56 100

69 169.4 26.6 40.0#

84 131.3 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.88 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049720.D

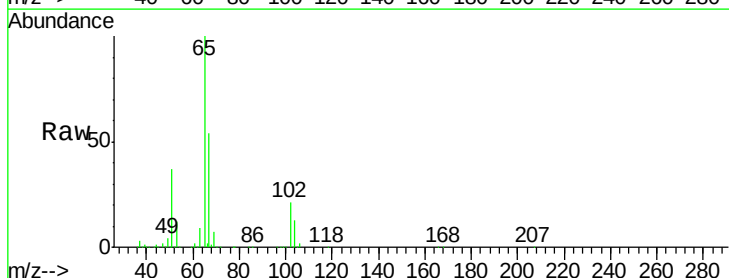
Acq: 5 Jul 2018 18:17

Tgt Ion: 65 Resp: 839597

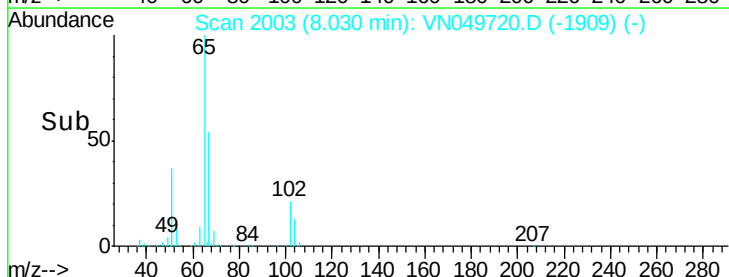
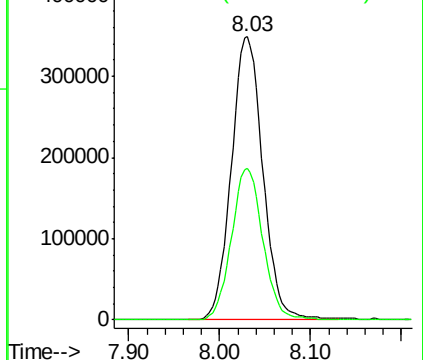
Ion Ratio Lower Upper

65 100

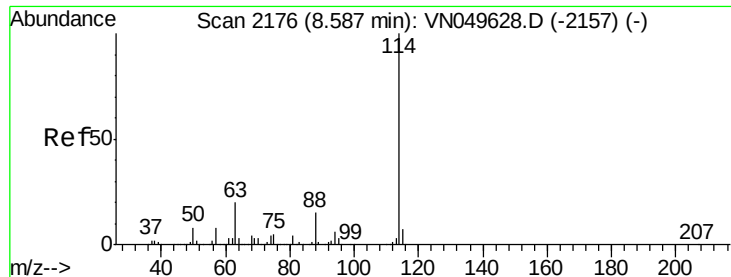
67 53.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0



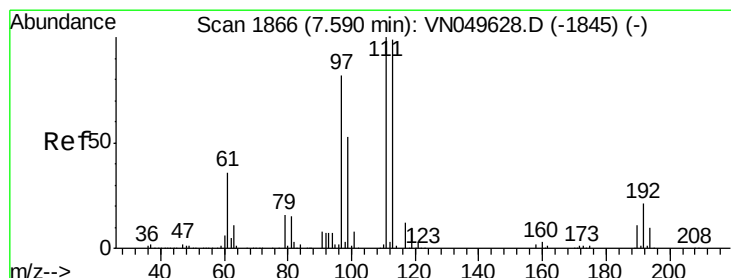
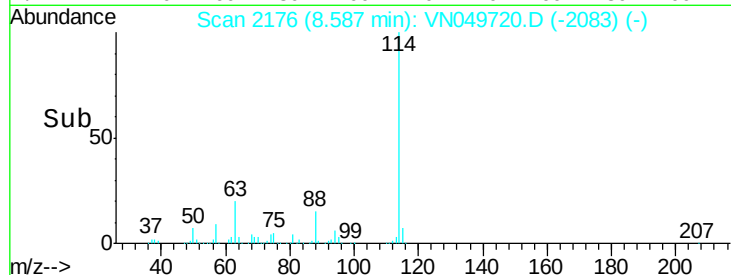
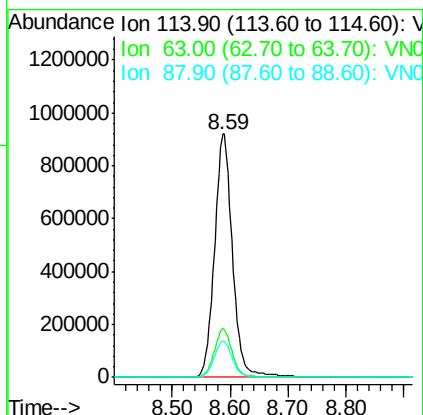
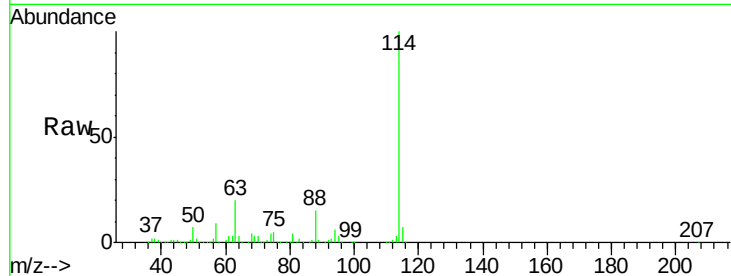




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

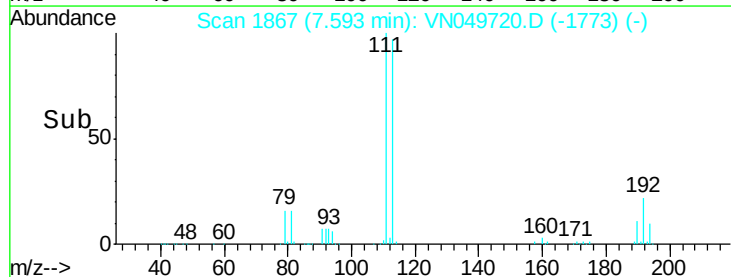
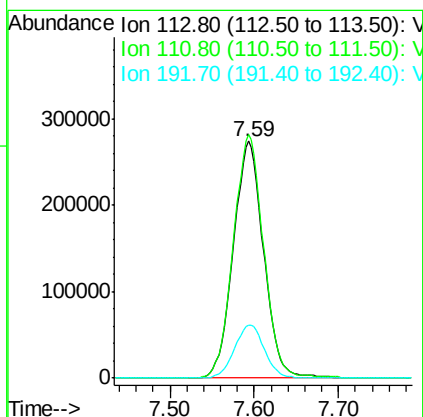
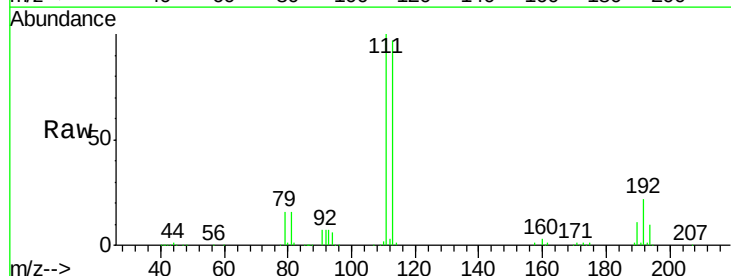
Instrument :  
 MSVOA\_N  
 ClientSampleId :

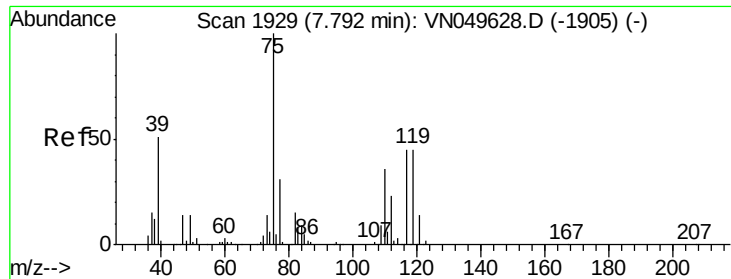
Tot Ion:114 Resp: 1985502  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 39.8  
 88 15.0 0.0 30.6



#35  
 Dibromofluoromethane  
 Concen: 46.15 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

Tgt Ion:113 Resp: 684969  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 81.8 122.8  
 192 22.2 17.8 26.6

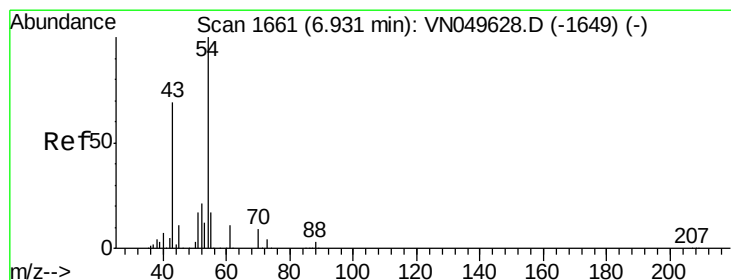
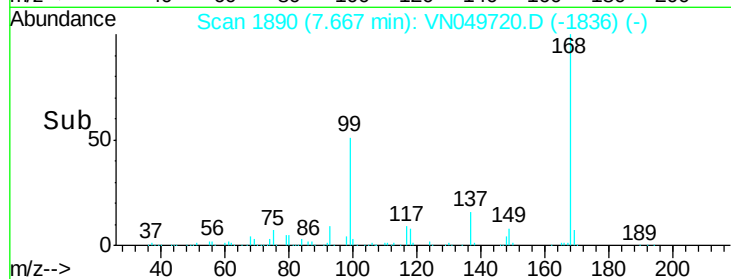
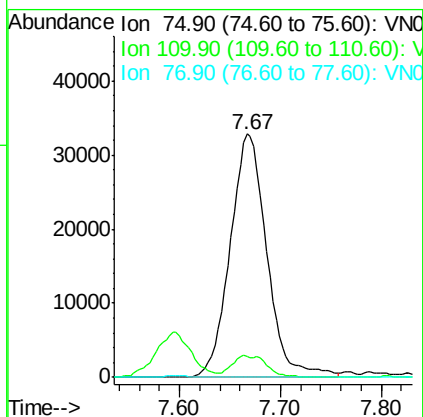
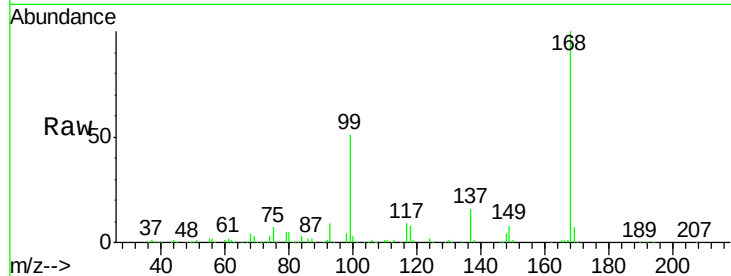




#36  
 1,1-Dichloropropene  
 Concen: 3.72 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.13 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

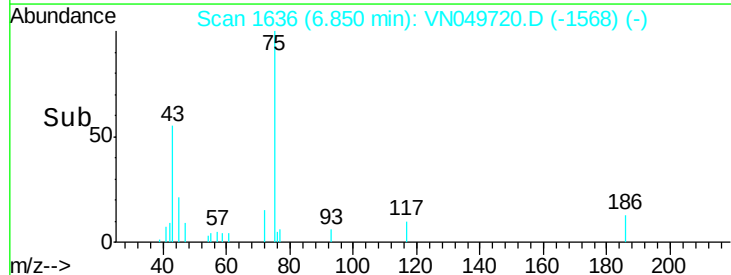
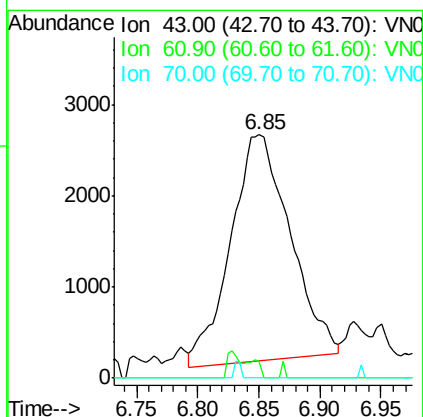
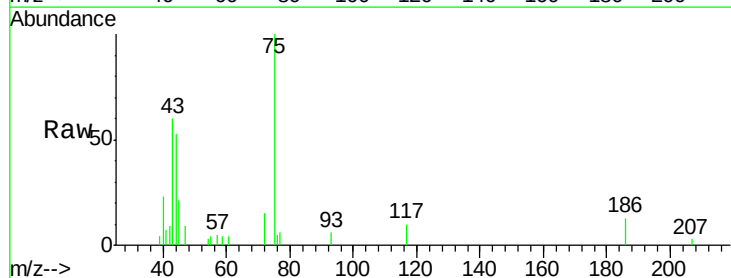
Instrument :  
 MSVOA\_N  
 ClientSampled :

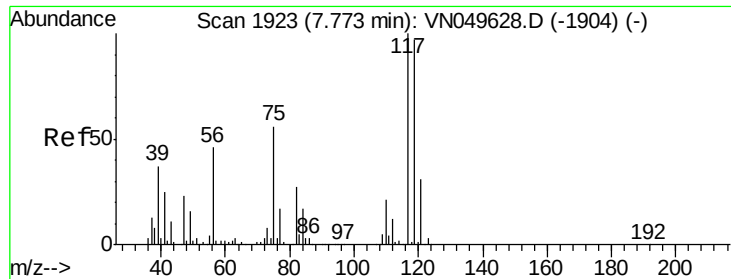
| Tot Ion   | 75  | Resp  | 83148 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 75        | 100 |       |       |
| 110       | 8.5 | 18.1  | 54.4# |
| 77        | 0.0 | 24.9  | 37.3# |



#37  
 Ethyl Acetate  
 Concen: 0.65 ug/l  
 RT: 6.85 min Scan# 1636  
 Delta R.T. -0.08 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

| Tgt Ion                                              | 43  | Resp  | 8418  |
|------------------------------------------------------|-----|-------|-------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100 | Lower | Upper |
| 43                                                   | 100 |       |       |
| 61                                                   | 0.4 | 11.7  | 17.5# |
| 70                                                   | 0.0 | 8.4   | 12.6# |

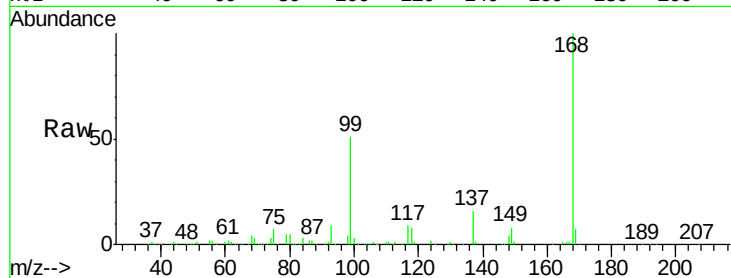




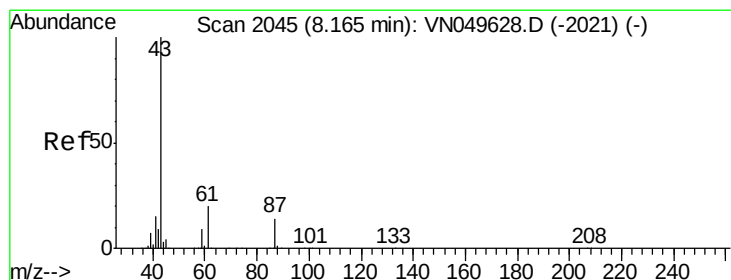
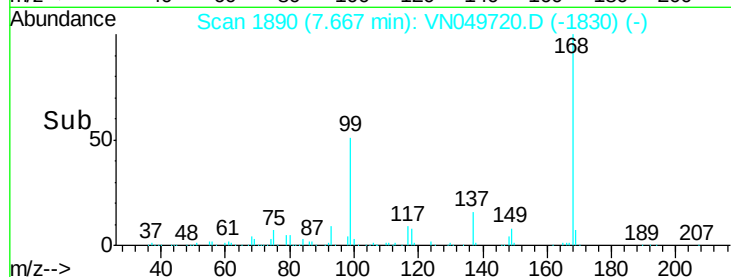
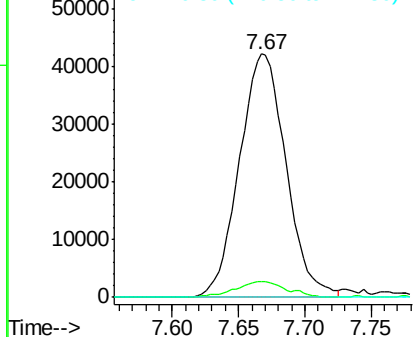
#38  
Carbon Tetrachloride  
Concen: 4.75 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 103267  
Ion Ratio Lower Upper  
117 100  
119 6.5 77.2 115.8#  
121 0.0 25.0 37.6#

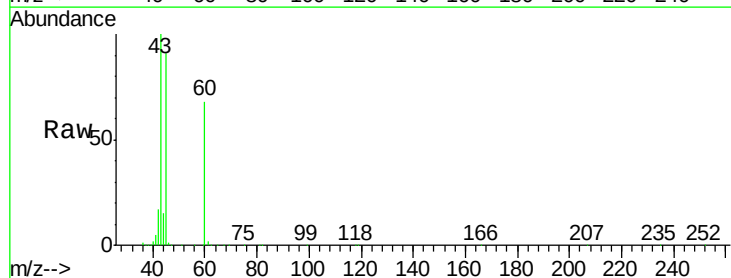


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

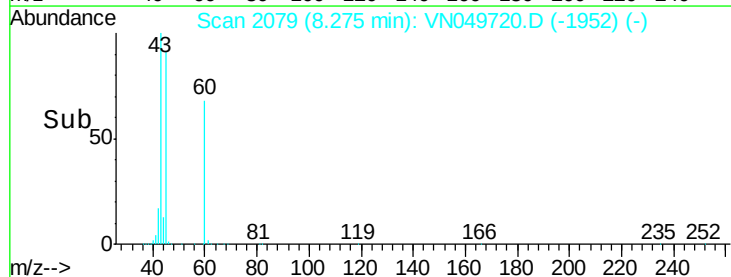
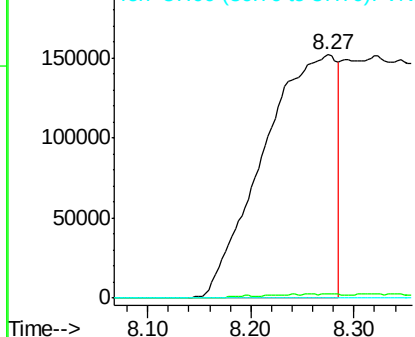


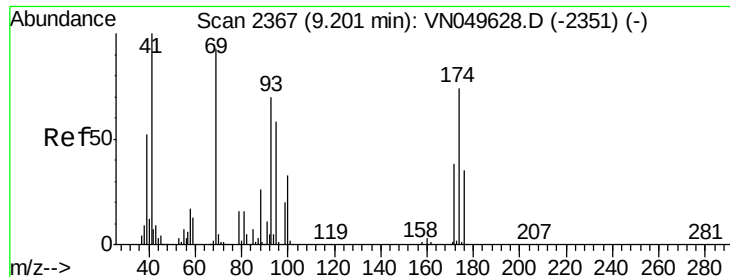
#43  
Isopropyl Acetate  
Concen: 28.40 ug/l  
RT: 8.27 min Scan# 2079  
Delta R.T. 0.11 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Tgt Ion: 43 Resp: 741169  
Ion Ratio Lower Upper  
43 100  
61 0.1 14.9 22.3#  
87 0.0 10.0 15.0#



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

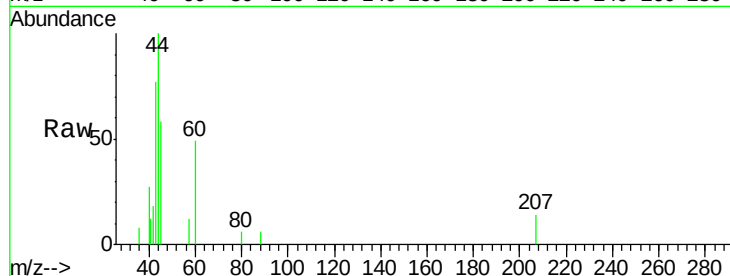




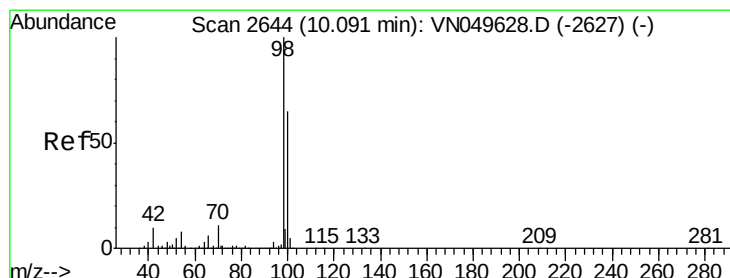
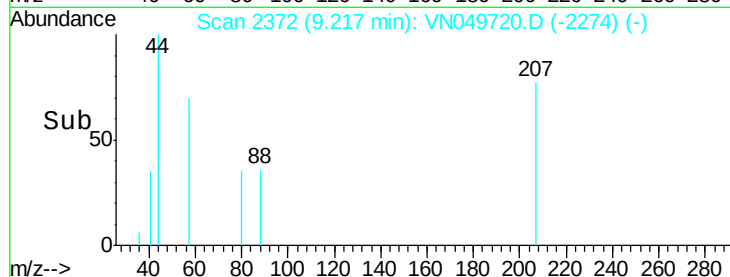
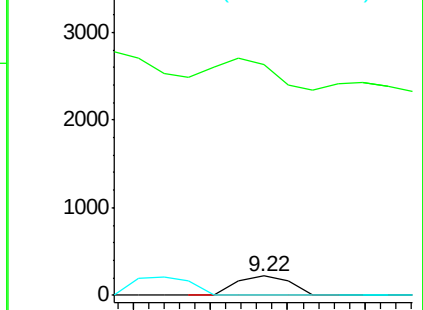
#49  
1,4-Dioxane  
Concen: 0.67 ug/l  
RT: 9.22 min Scan# 2372  
Delta R.T. 0.02 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 88 Resp: 105  
Ion Ratio Lower Upper  
88 100  
43 448.6 25.1 37.7#  
58 102.9 52.5 78.7#

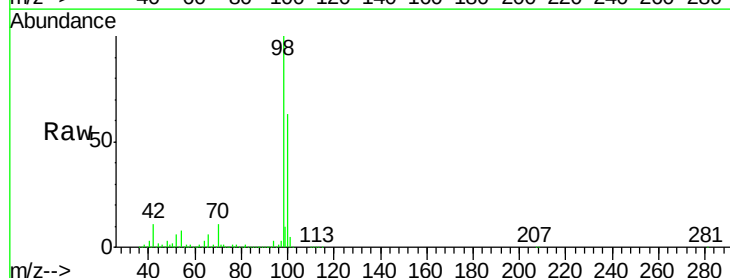


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

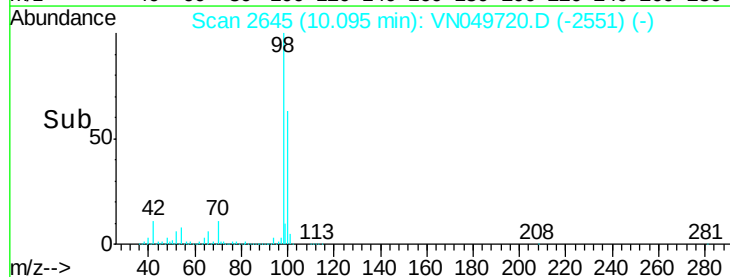
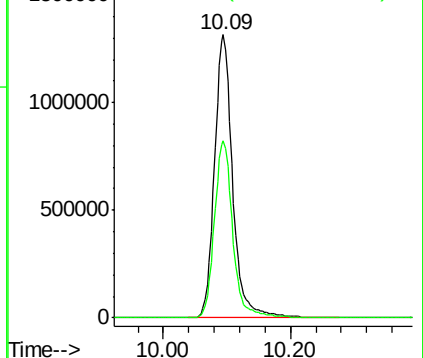


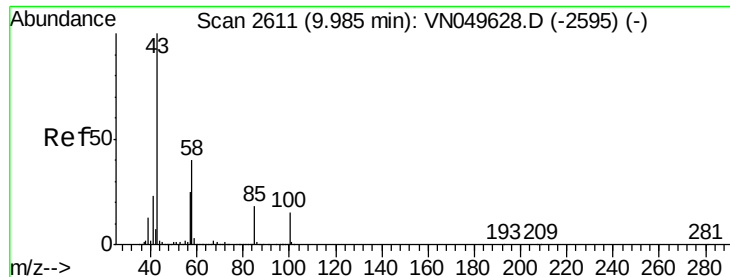
#50  
Toluene-d8  
Concen: 44.82 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Tgt Ion: 98 Resp: 2604235  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.7 77.5



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

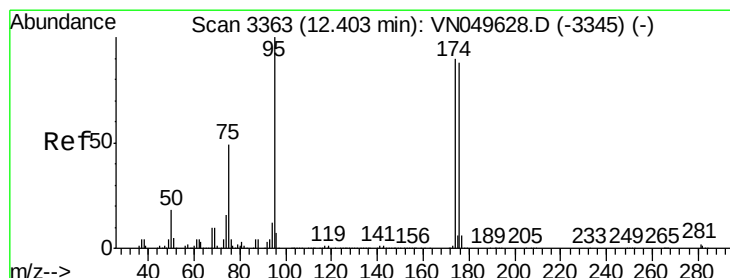
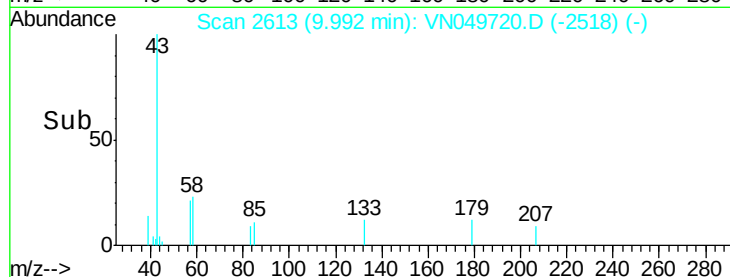
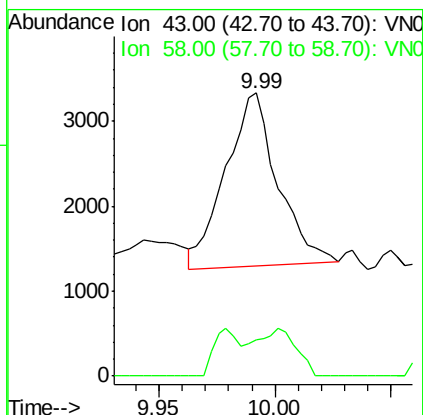
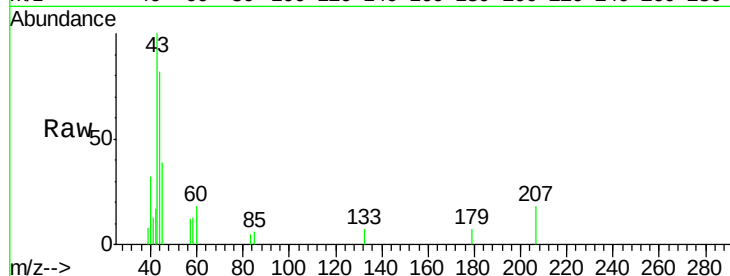




#51  
4-Methyl-2-Pentanone  
Concen: 0.25 ug/l  
RT: 9.99 min Scan# 2613  
Delta R.T. 0.01 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

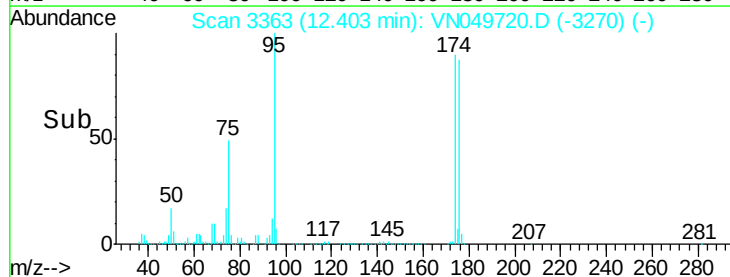
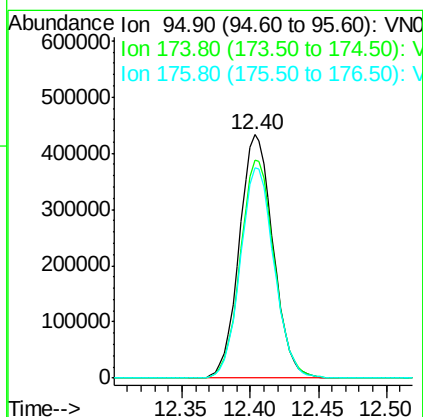
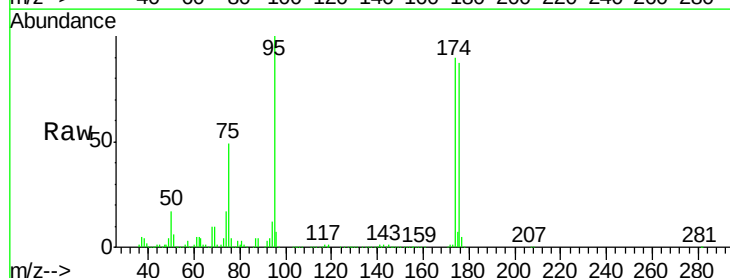
Instrument :  
MSVOA\_N  
ClientSampleId :

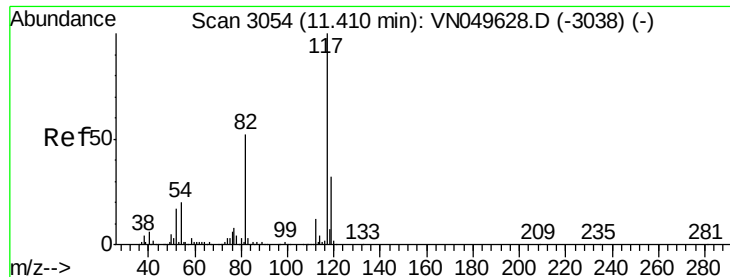
Tot Ion: 43 Resp: 3183  
Ion Ratio Lower Upper  
43 100  
58 19.7 31.8 47.8#



#62  
4-Bromofluorobenzene  
Concen: 37.56 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Tgt Ion: 95 Resp: 745050  
Ion Ratio Lower Upper  
95 100  
174 89.9 0.0 179.6  
176 86.2 0.0 174.0

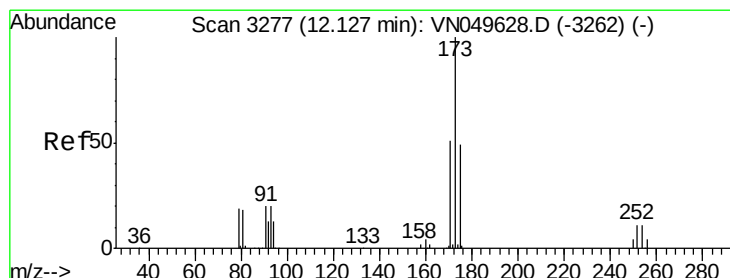
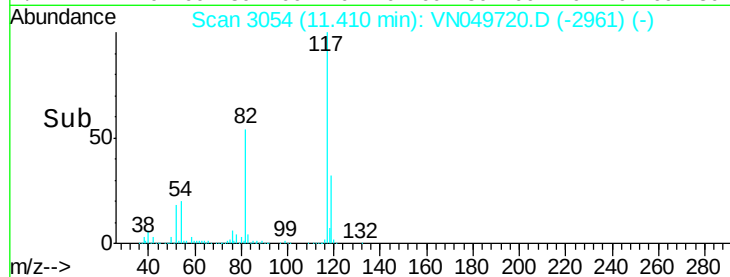
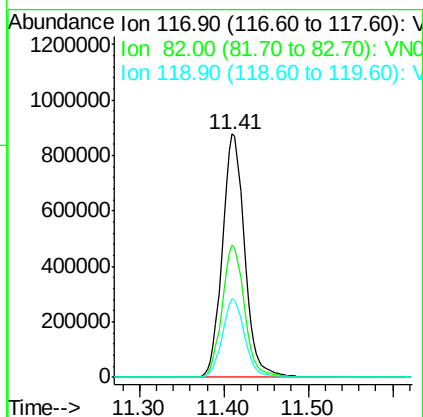
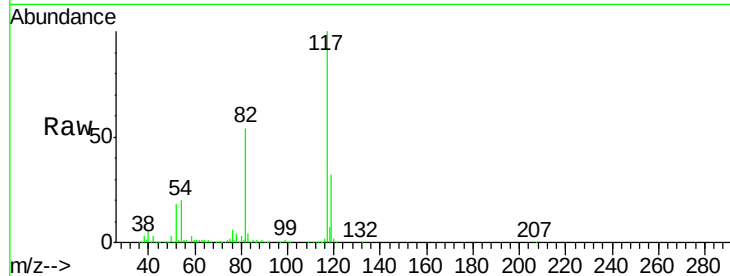




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

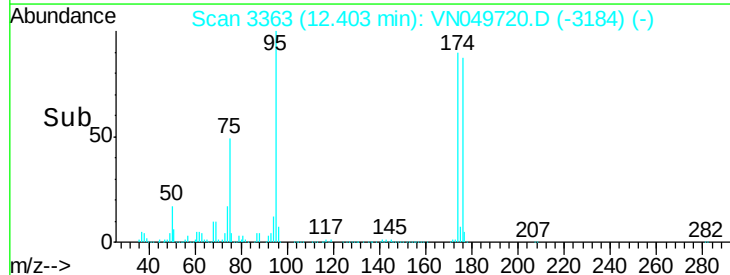
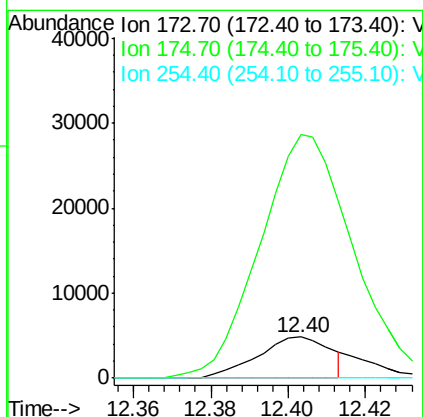
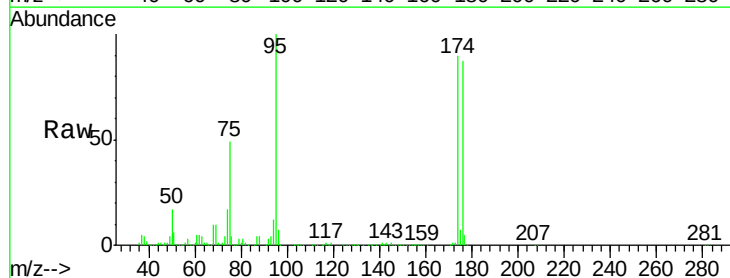
Instrument :  
MSVOA\_N  
ClientSampled :

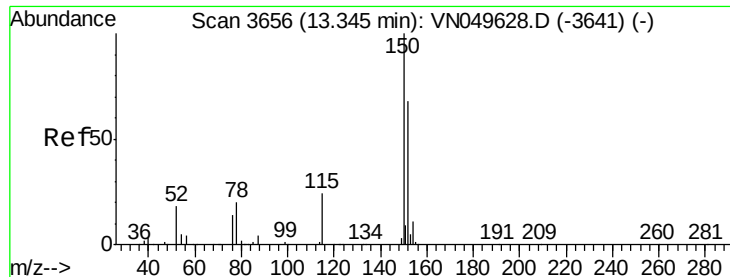
Tot Ion:117 Resp: 1609298  
Ion Ratio Lower Upper  
117 100  
82 54.3 41.9 62.9  
119 32.3 25.4 38.2



#71  
Bromoform  
Concen: 0.63 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.28 min  
Lab File: VN049720.D  
Acq: 5 Jul 2018 18:17

Tgt Ion:173 Resp: 6349  
Ion Ratio Lower Upper  
173 100  
175 600.8 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: VN049720.D

Acq: 5 Jul 2018 18:17

Instrument :

MSVOA\_N

ClientSampled :

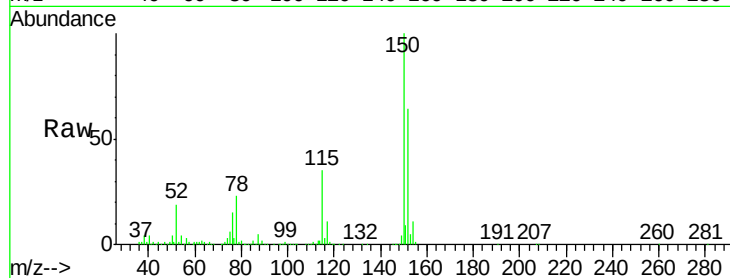
Tot Ion:152 Resp: 604017

Ion Ratio Lower Upper

152 100

115 55.2 28.1 84.2

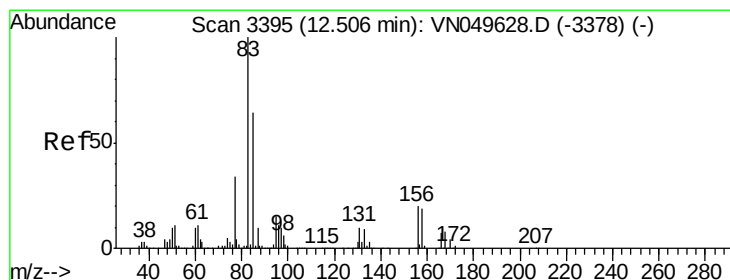
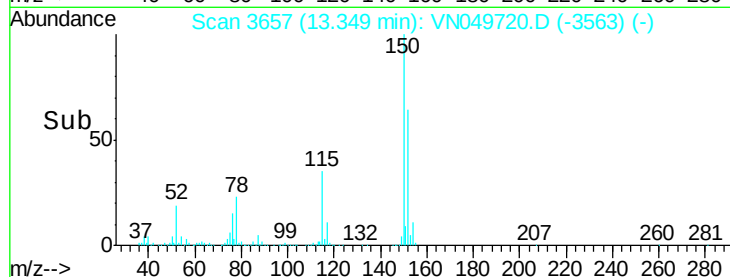
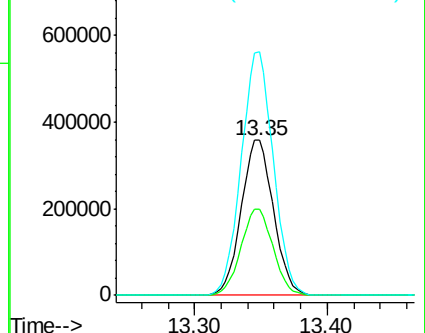
150 156.3 0.0 347.6



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: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049720.D

Acq: 5 Jul 2018 18:17

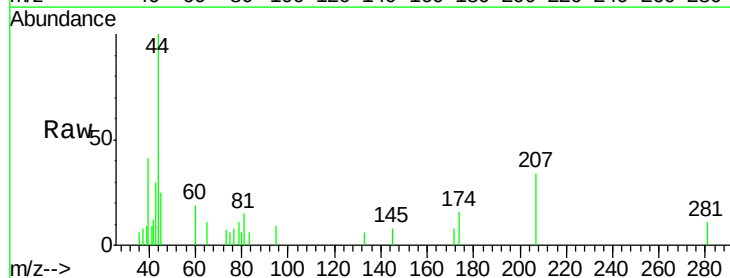
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

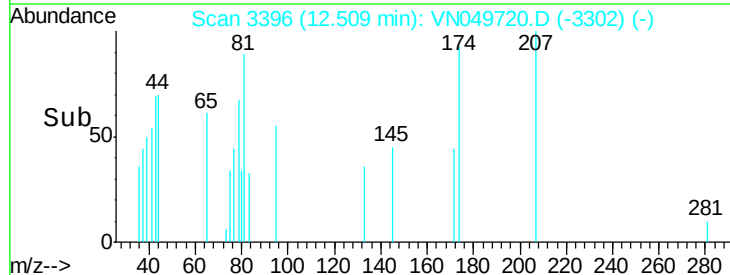
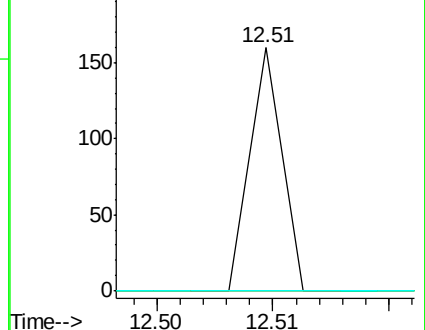
85 0.0 32.5 97.4#

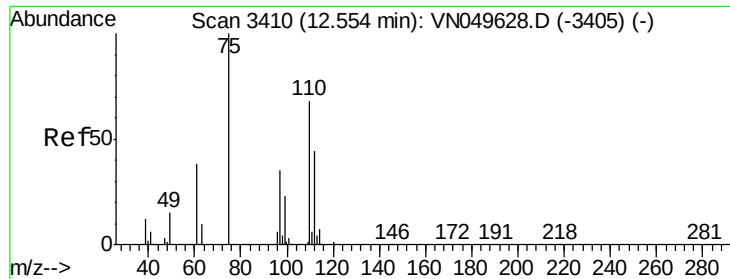


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049720.D

Acq: 5 Jul 2018 18:17

Instrument :

MSVOA\_N

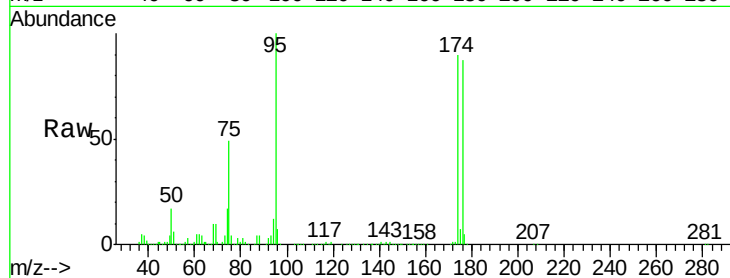
ClientSampleId :

Tot Ion: 75 Resp: 359550

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

200000

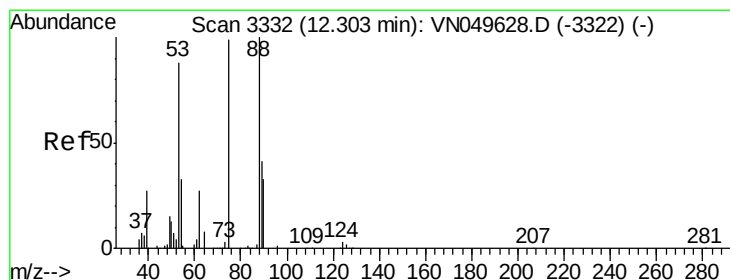
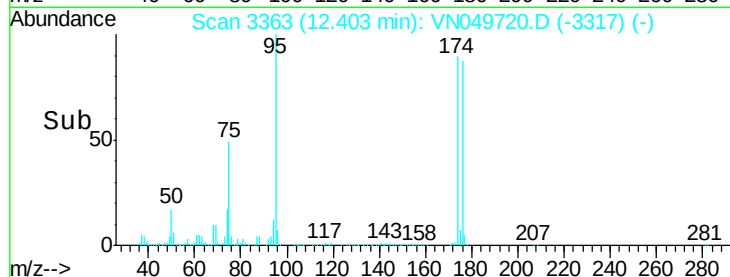
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 126.06 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049720.D

Acq: 5 Jul 2018 18:17

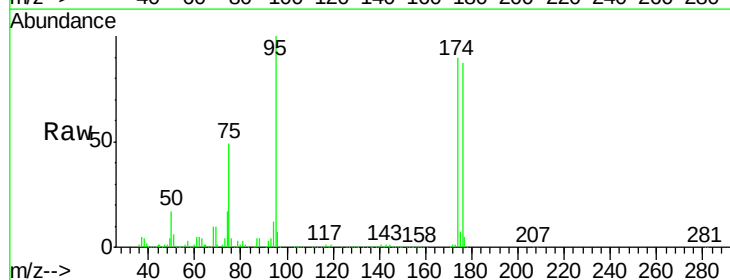
Tgt Ion: 75 Resp: 359550

Ion Ratio Lower Upper

75 100

53 0.3 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

12.40

200000

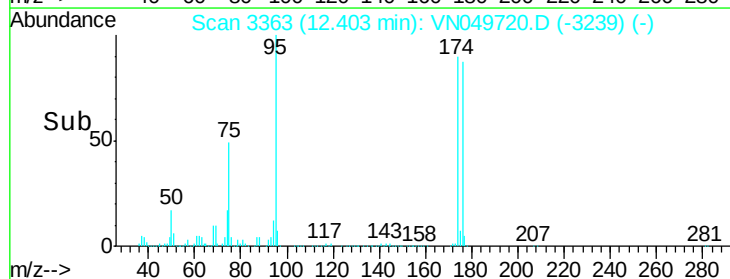
150000

100000

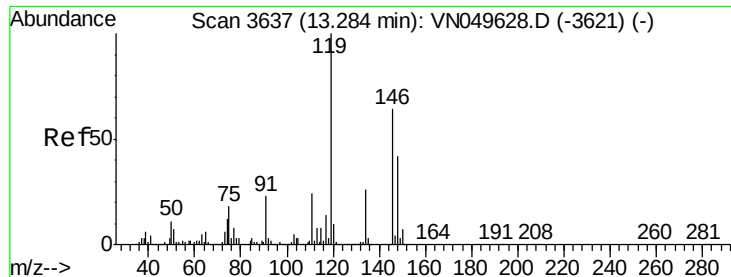
50000

0

Time-->



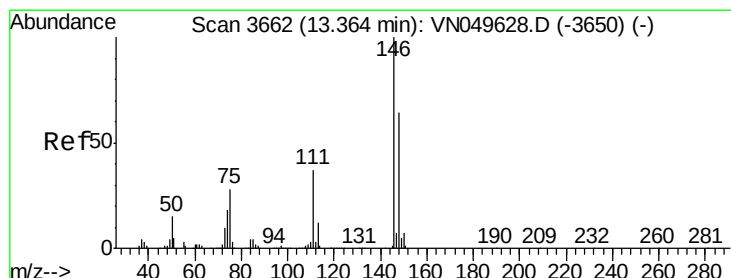
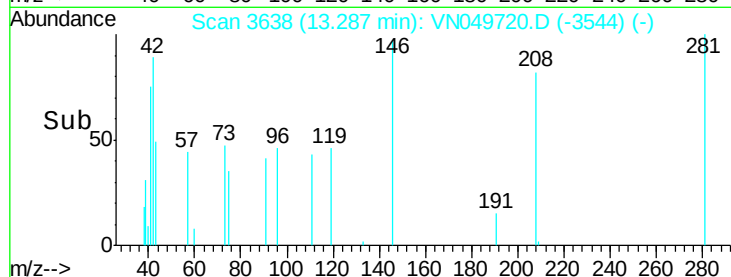
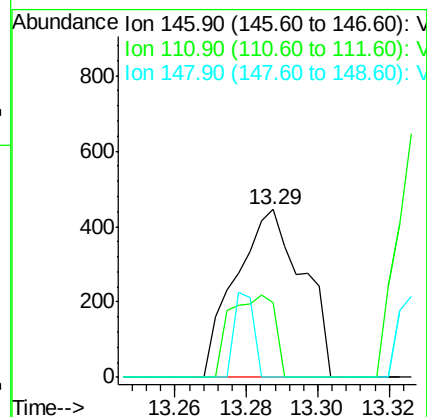
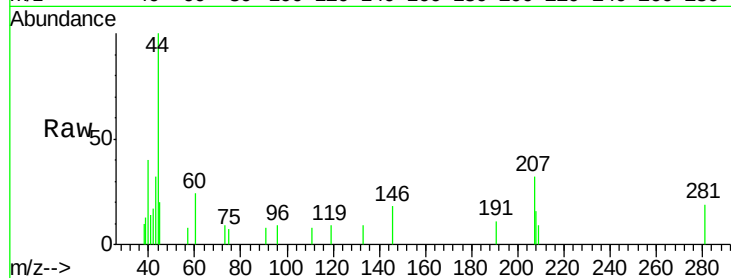




#87  
 1,3-Dichlorobenzene  
 Concen: Below Cal  
 RT: 13.29 min Scan# 3638  
 Delta R.T. 0.00 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

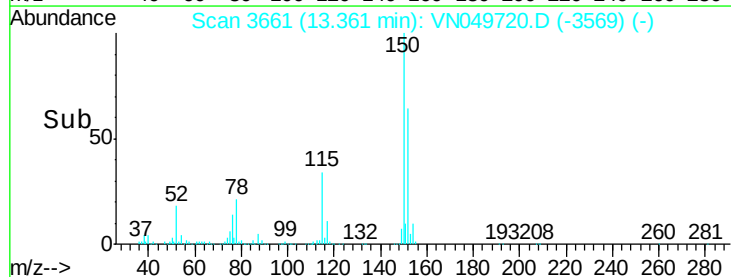
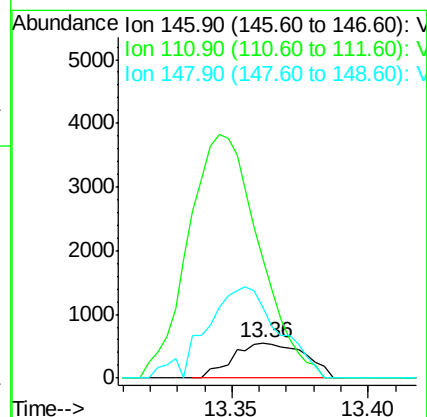
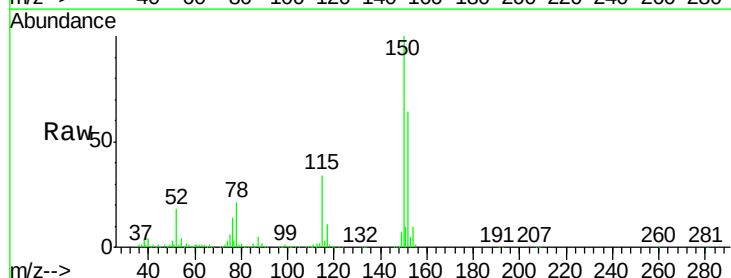
Instrument :  
 MSVOA\_N  
 ClientSampled :

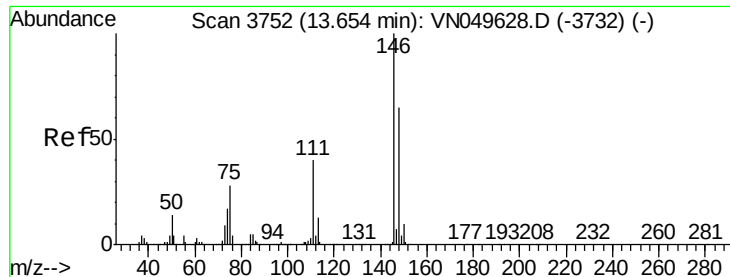
Tot Ion:146 Resp: 580  
 Ion Ratio Lower Upper  
 146 100  
 111 0.0 19.0 57.0#  
 148 14.5 32.5 97.5#



#88  
 1,4-Dichlorobenzene  
 Concen: Below Cal  
 RT: 13.36 min Scan# 3661  
 Delta R.T. -0.00 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

Tgt Ion:146 Resp: 1004  
 Ion Ratio Lower Upper  
 146 100  
 111 686.1 18.9 56.5#  
 148 264.5 32.1 96.3#

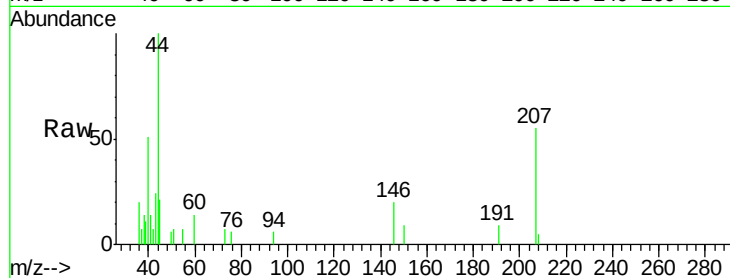




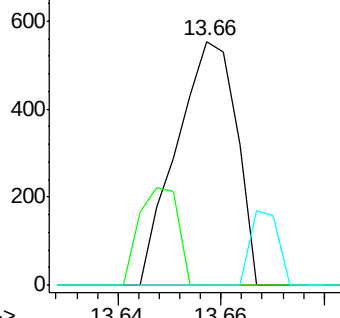
#91  
 1,2-Dichlorobenzene  
 Concen: Below Cal  
 RT: 13.66 min Scan# 3753  
 Delta R.T. 0.00 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :

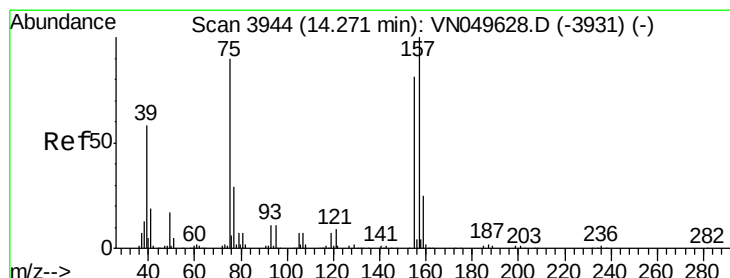
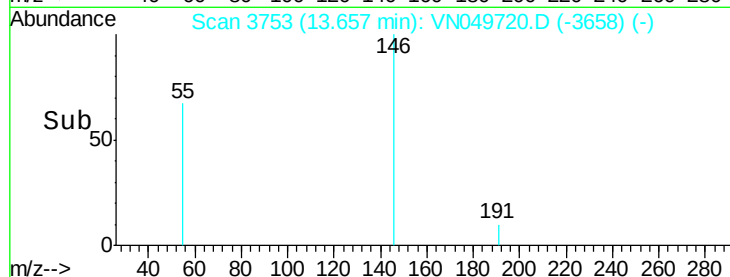
Tot Ion:146 Resp: 444  
 Ion Ratio Lower Upper  
 146 100  
 111 26.1 19.7 59.1  
 148 14.2 32.0 96.2#



Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

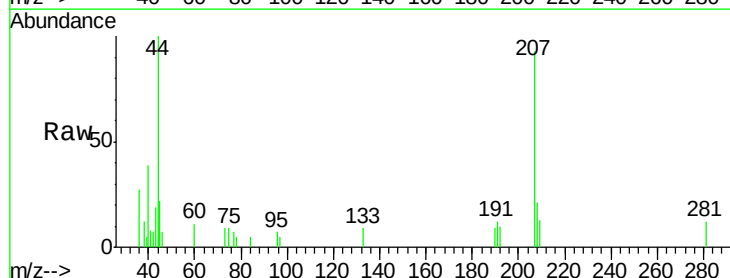


Time-->

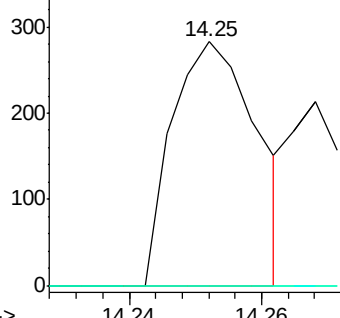


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: Below Cal  
 RT: 14.25 min Scan# 3938  
 Delta R.T. -0.02 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

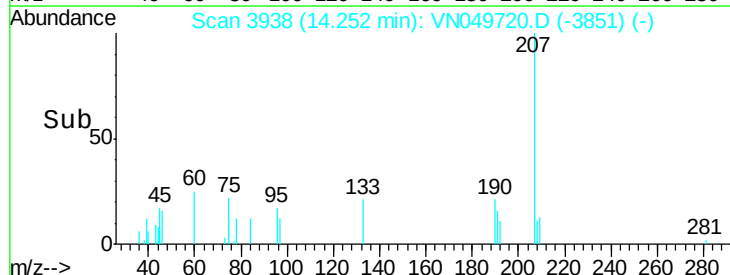
Tgt Ion: 75 Resp: 251  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 45.7 137.1#  
 157 0.0 56.9 170.7#

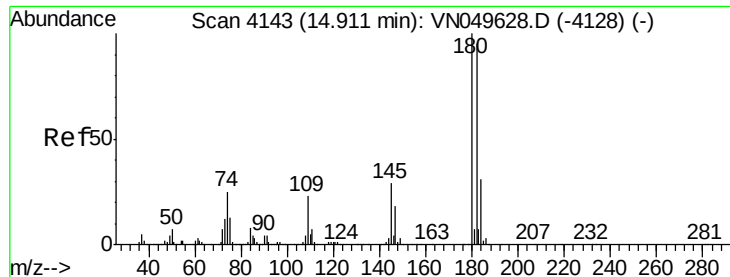


Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V



Time-->

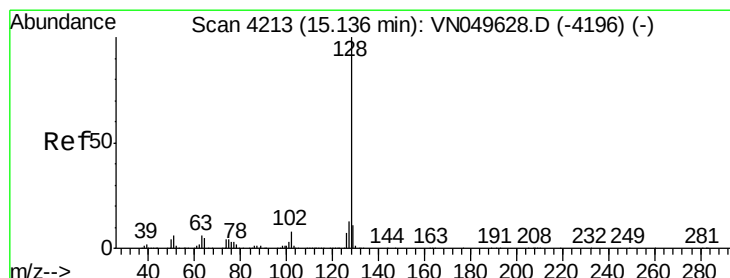
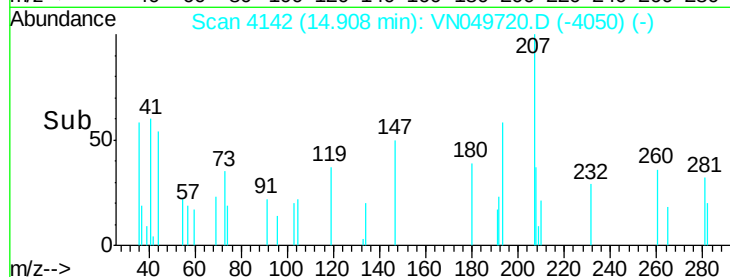
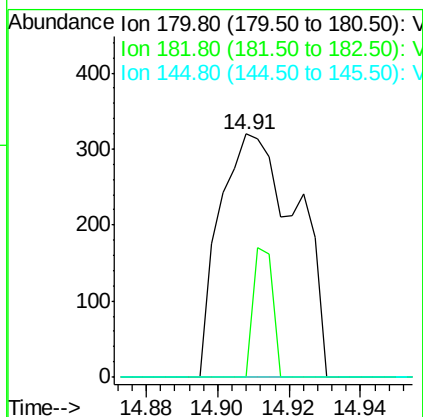
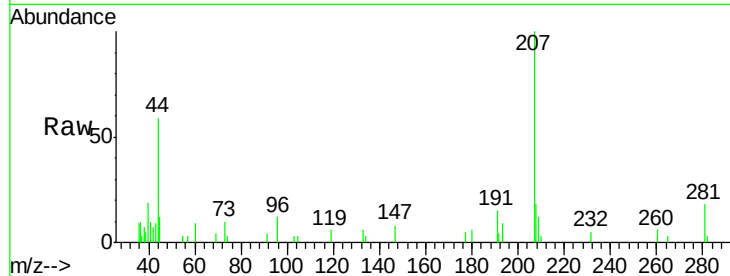




#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.44 ug/l  
 RT: 14.91 min Scan# 4142  
 Delta R.T. -0.00 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

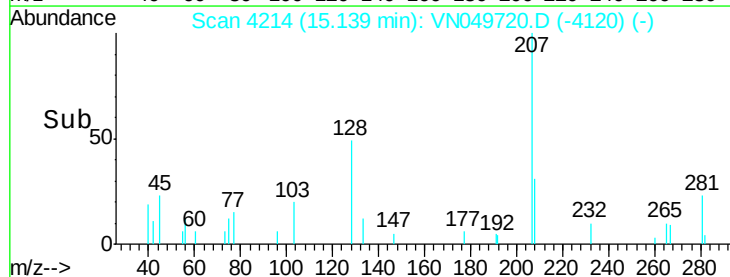
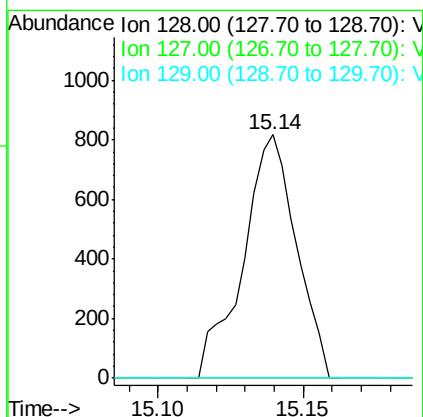
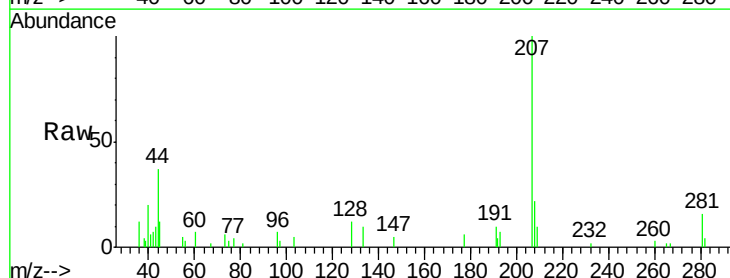
Instrument :  
 MSVOA\_N  
 ClientSampled :

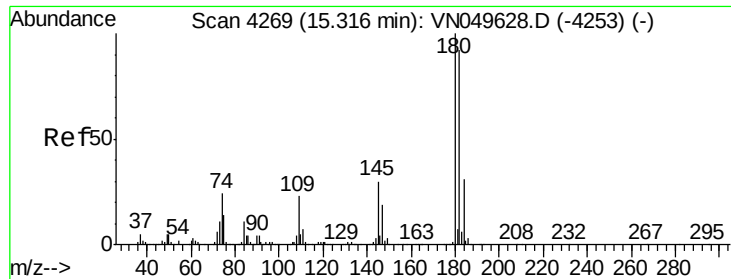
Tot Ion:180 Resp: 475  
 Ion Ratio Lower Upper  
 180 100  
 182 13.5 47.3 141.9#  
 145 0.0 14.4 43.0#



#95  
 Naphthalene  
 Concen: 4.08 ug/l  
 RT: 15.14 min Scan# 4214  
 Delta R.T. 0.00 min  
 Lab File: VN049720.D  
 Acq: 5 Jul 2018 18:17

Tgt Ion:128 Resp: 1047  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.4 15.6#  
 129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.66 ua/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN049720.D

Acq: 5 Jul 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

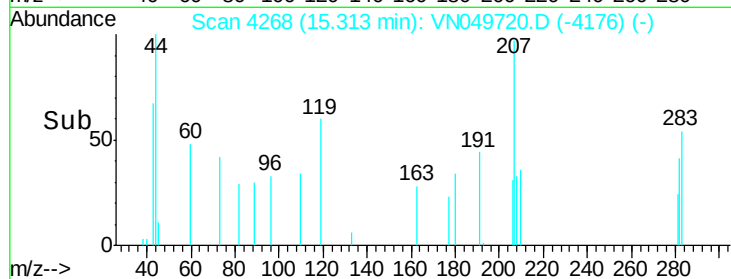
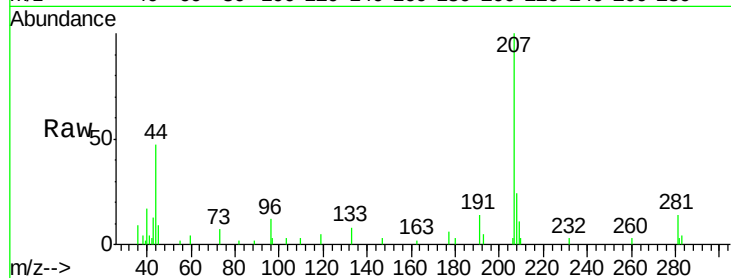
Tot Ion:180 Resp: 101

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 0.0 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

