

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062618\  
 Data File : VN049559.D  
 Acq On : 26 Jun 2018 18:06  
 Operator : MD\SY  
 Sample : PB110584TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 27 01:05:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1345800  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2098682  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1740754  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 723646   | 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   | 838124   | 46.95 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.90% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 709087   | 41.76 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 83.52% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2818720  | 43.60 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.20% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 854236   | 39.96 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 79.92% |          |

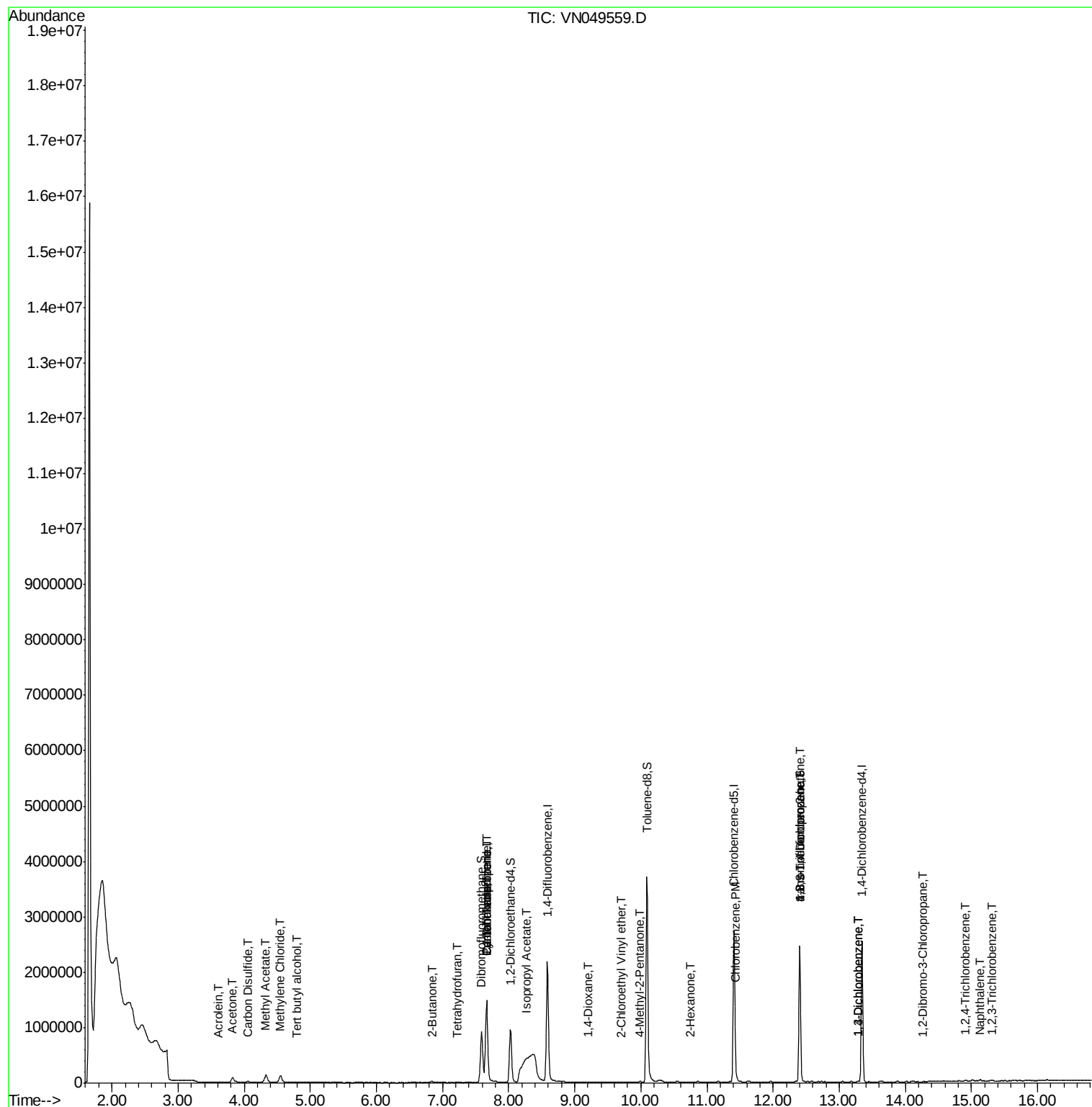
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.79  | 59   | 501      | 0.48   | ug/l # | 92     |
| 13) Acrolein                   | 3.61  | 56   | 3605     | 3.28   | ug/l # | 78     |
| 16) Acetone                    | 3.82  | 43   | 175289   | 40.45  | ug/l   | 95     |
| 17) Carbon Disulfide           | 4.05  | 76   | 20190    | 0.42   | ug/l   | 96     |
| 18) Methyl Acetate             | 4.33  | 43   | 242135   | 18.32  | ug/l   | 92     |
| 20) Methylene Chloride         | 4.55  | 84   | 86455    | 4.78   | ug/l   | 93     |
| 25) 2-Butanone                 | 6.84  | 43   | 12166    | 2.09   | ug/l # | 88     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 2536     | 0.68   | ug/l # | 79     |
| 31) Cyclohexane                | 7.66  | 56   | 24257    | 0.75   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 89799    | 3.73   | ug/l # | 42     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 120150   | 4.83   | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.27  | 43   | 859757   | 34.41  | ug/l # | 64     |
| 49) 1,4-Dioxane                | 9.20  | 88   | 113      | 0.70   | ug/l # | 21     |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 9788     | 0.75   | ug/l   | 95     |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 285      | 14.37  | ug/l # | 51     |
| 59) 2-Hexanone                 | 10.75 | 43   | 5708     | 0.68   | ug/l   | 83     |
| 65) Chlorobenzene              | 11.44 | 112  | 18787    | 0.42   | ug/l   | 94     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 997      | Below  | Cal #  | 92     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 415388   | 33.64  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 415388   | 106.33 | ug/l # | 9      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 5696     | 0.21   | ug/l   | 95     |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 5696     | 0.21   | ug/l   | 96     |
| 90) Hexachloroethane           | 13.88 | 117  | 108      | Below  | Cal #  | 9      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 687      | 0.31   | ug/l # | 55     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 5891     | 5.17   | ug/l   | 88     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 2893     | Below  | Cal    | 84     |
| 95) Naphthalene                | 15.14 | 128  | 21646    | 3.16   | ug/l   | 98     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 6936     | 3.99   | ug/l   | 96     |

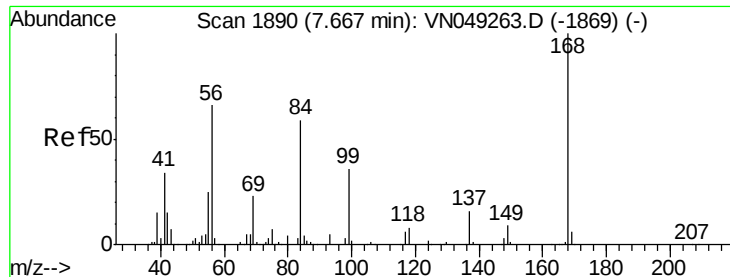
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062618\  
Data File : VN049559.D  
Acq On : 26 Jun 2018 18:06  
Operator : MD\SY  
Sample : PB110584TB  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jun 27 01:05:47 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 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: VN049559.D

Acq: 26 Jun 2018 18:06

Instrument :

MSVOA\_N

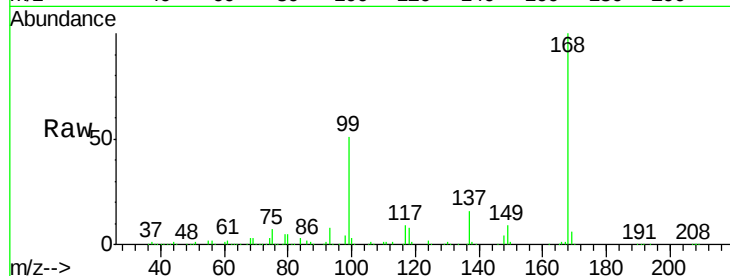
ClientSampleId :

Tot Ion:168 Resp: 1345800

Ion Ratio Lower Upper

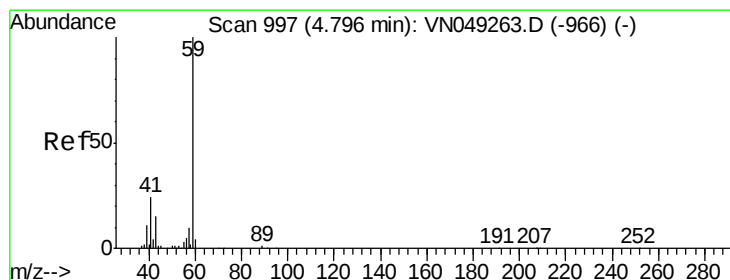
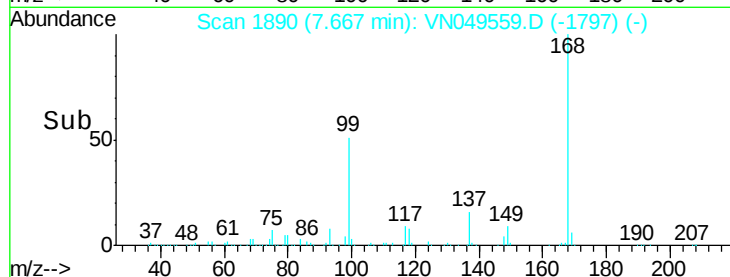
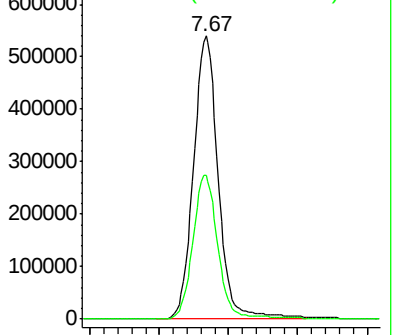
168 100

99 50.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.48 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.01 min

Lab File: VN049559.D

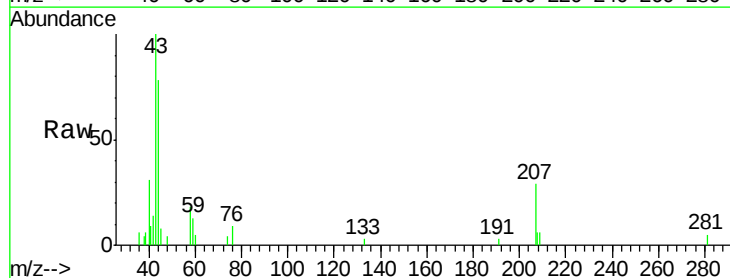
Acq: 26 Jun 2018 18:06

Tgt Ion: 59 Resp: 501

Ion Ratio Lower Upper

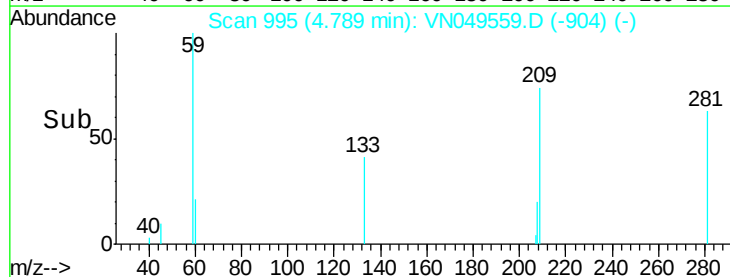
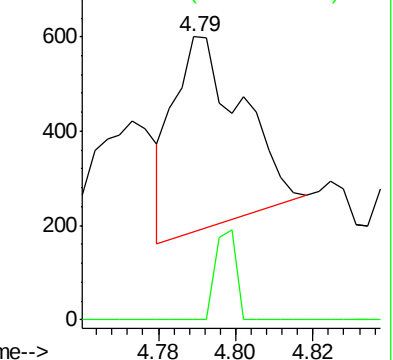
59 100

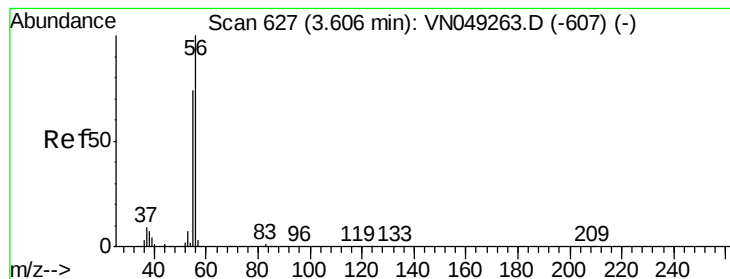
57 14.2 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 3.28 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

Instrument :

MSVOA\_N

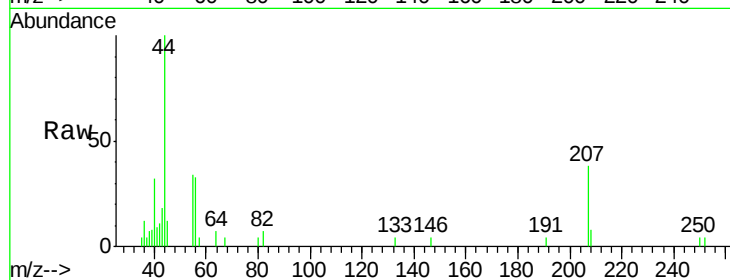
ClientSampleId :

Tot Ion: 56 Resp: 3605

Ion Ratio Lower Upper

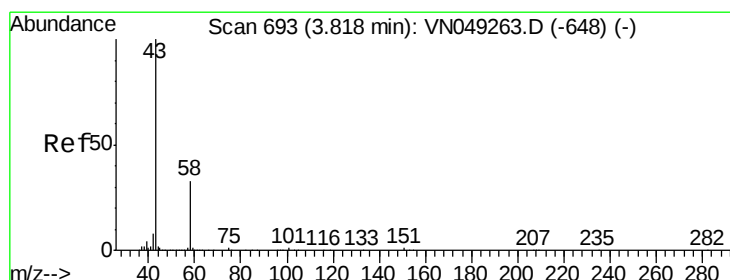
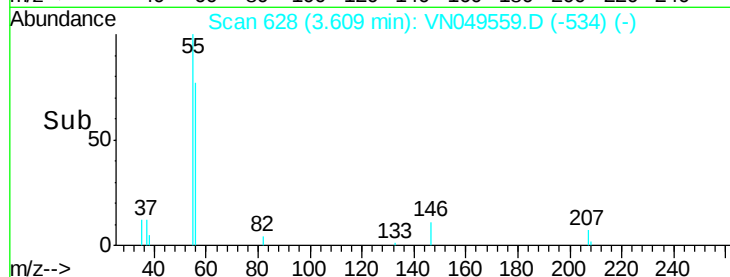
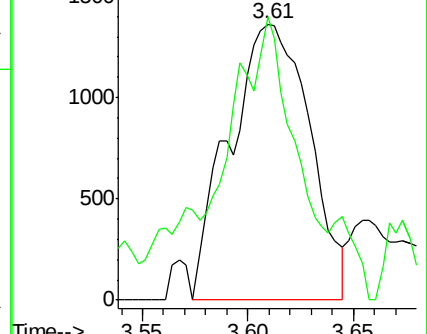
56 100

55 53.5 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 40.45 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049559.D

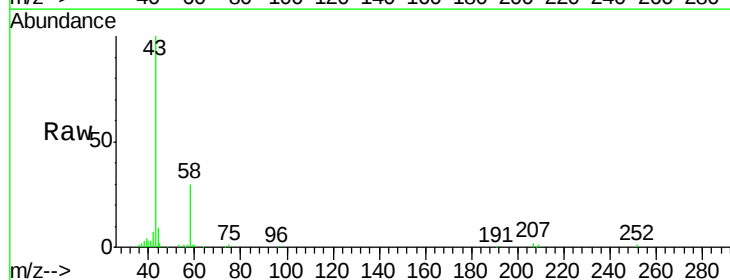
Acq: 26 Jun 2018 18:06

Tgt Ion: 43 Resp: 175289

Ion Ratio Lower Upper

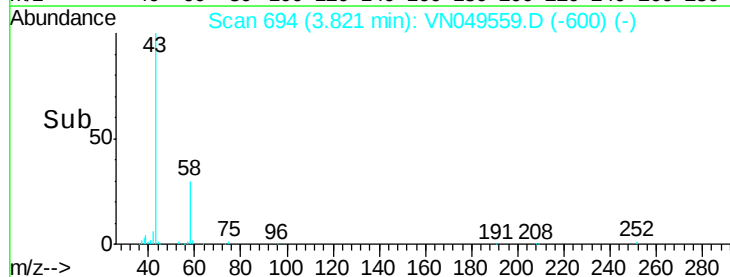
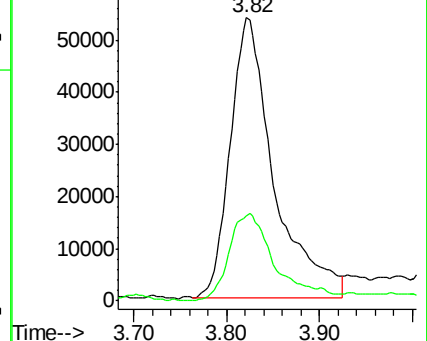
43 100

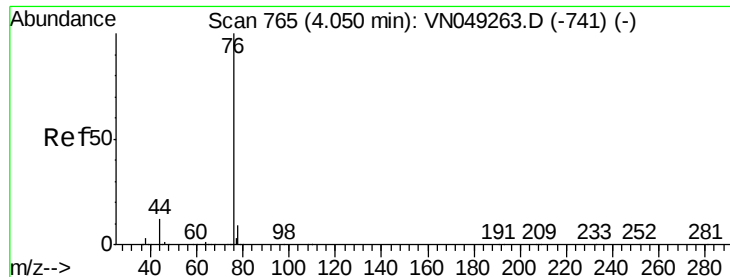
58 30.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.42 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

Instrument :

MSVOA\_N

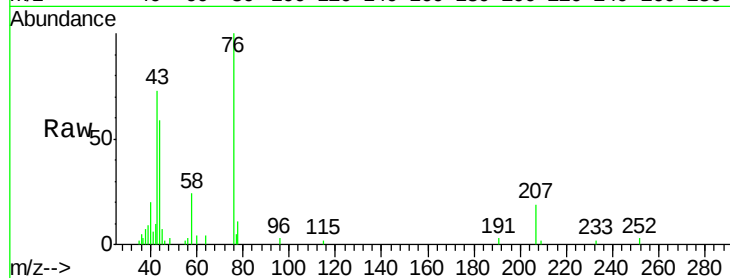
ClientSampleId :

Tot Ion: 76 Resp: 20190

Ion Ratio Lower Upper

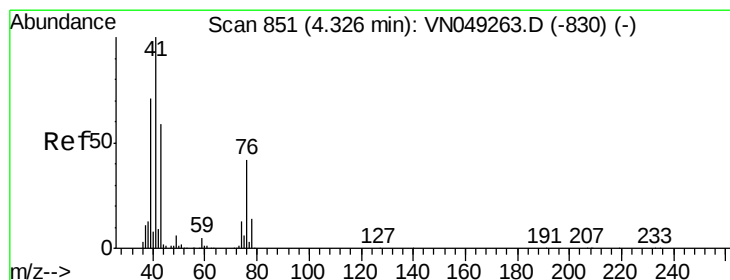
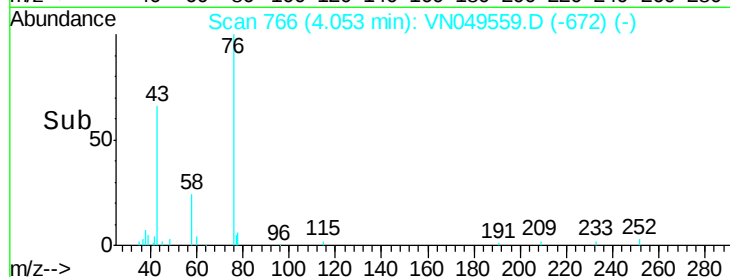
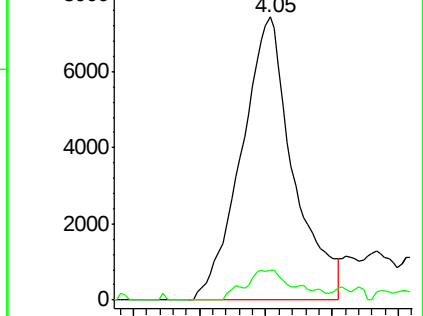
76 100

78 10.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN049263.D (-741) (-)

Ion 77.90 (77.60 to 78.60): VN049263.D (-741) (-)



#18

Methyl Acetate

Concen: 18.32 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049559.D

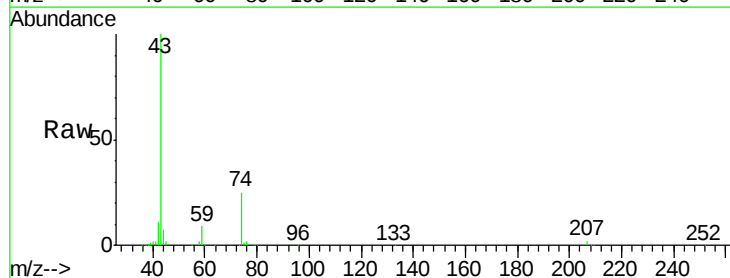
Acq: 26 Jun 2018 18:06

Tgt Ion: 43 Resp: 242135

Ion Ratio Lower Upper

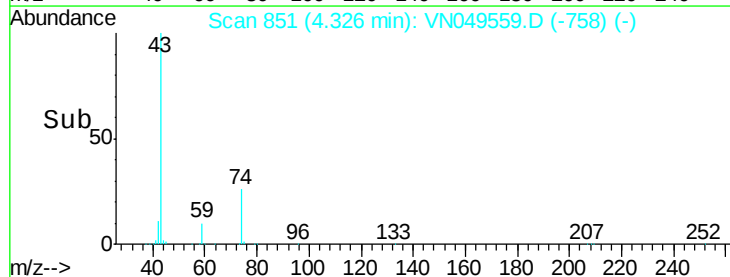
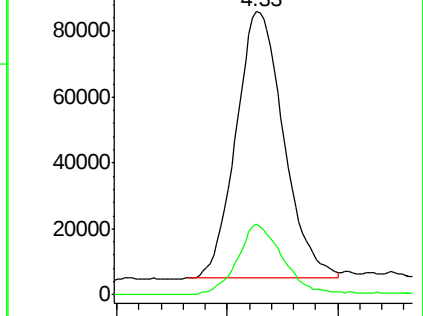
43 100

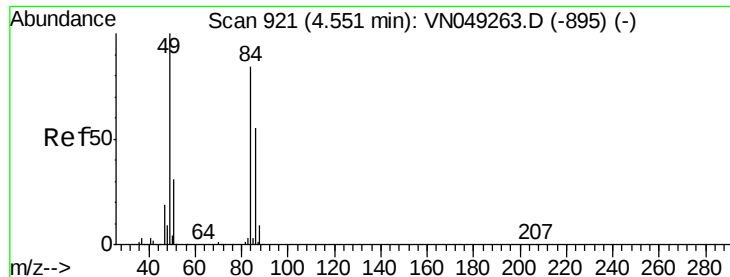
74 25.7 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN049263.D (-830) (-)

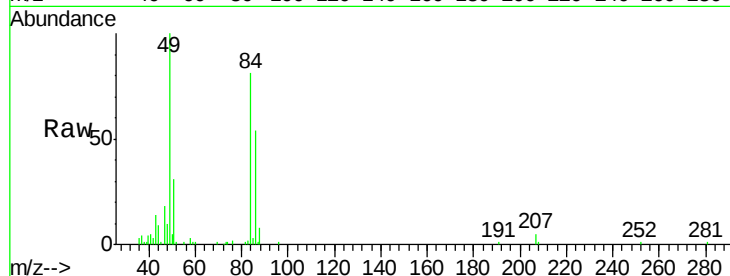




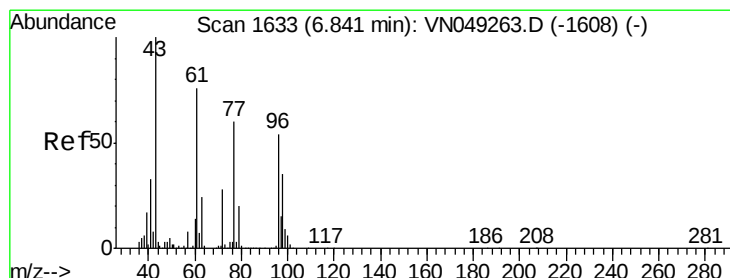
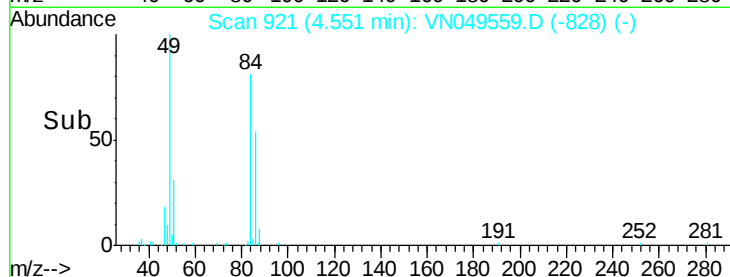
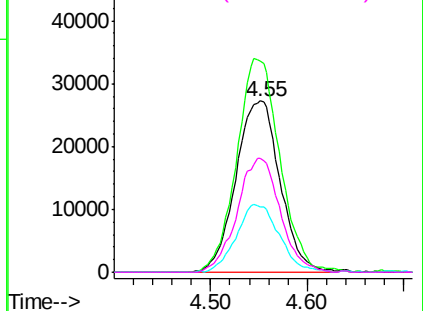
#20  
Methvlene Chloride  
Concen: 4.78 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 84 Resp: 86455  
Ion Ratio Lower Upper  
84 100  
49 123.4 106.9 160.3  
51 38.4 32.7 49.1  
86 66.7 49.8 74.8

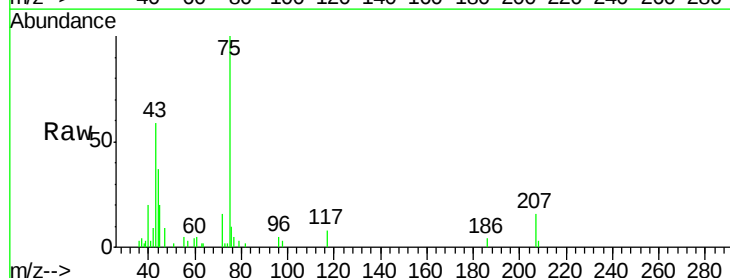


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

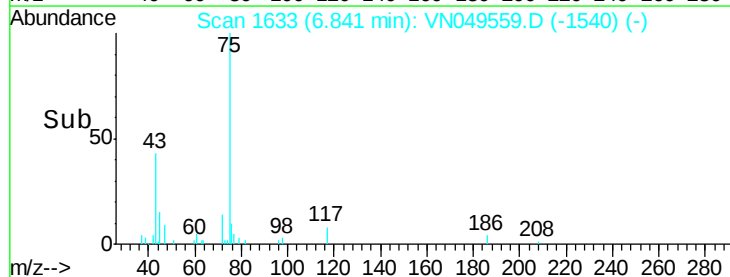
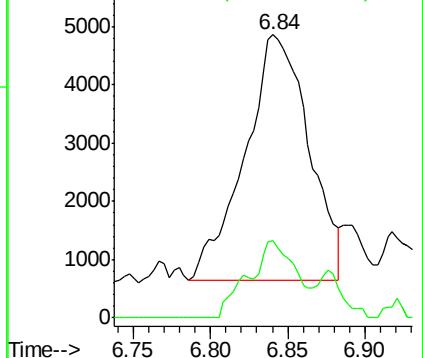


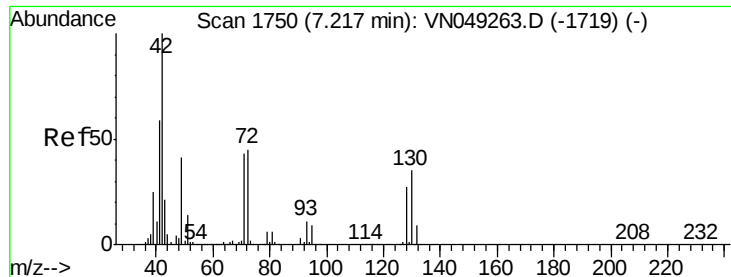
#25  
2-Butanone  
Concen: 2.09 ug/l  
RT: 6.84 min Scan# 1633  
Delta R.T. 0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Tgt Ion: 43 Resp: 12166  
Ion Ratio Lower Upper  
43 100  
72 31.4 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0

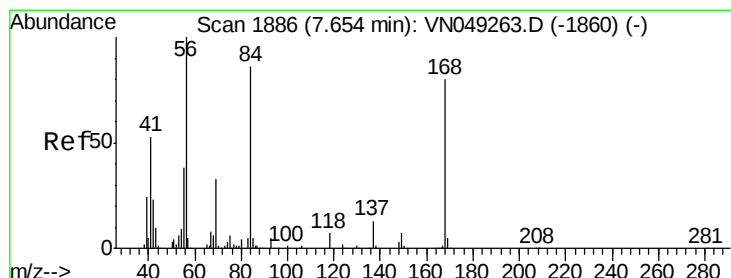
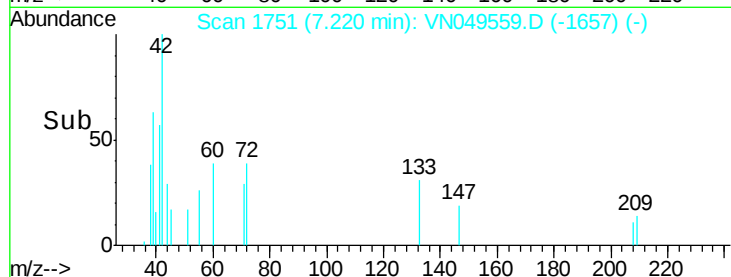
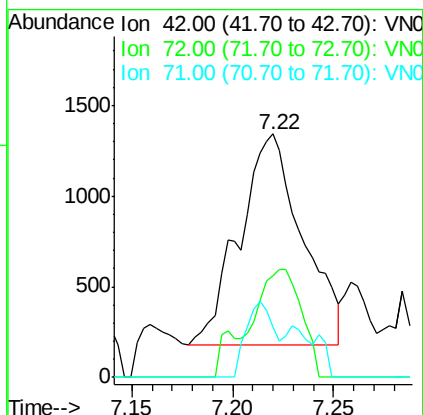
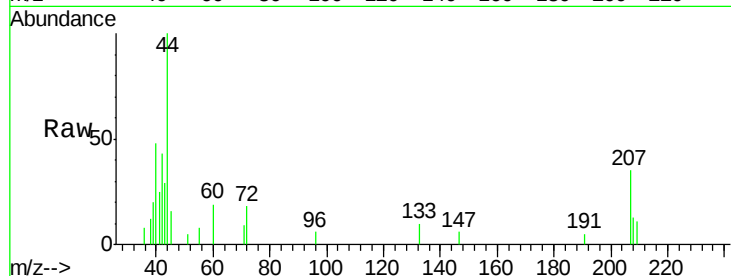




#29  
Tetrahydrofuran  
Concen: 0.68 ug/l  
RT: 7.22 min Scan# 1751  
Delta R.T. 0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

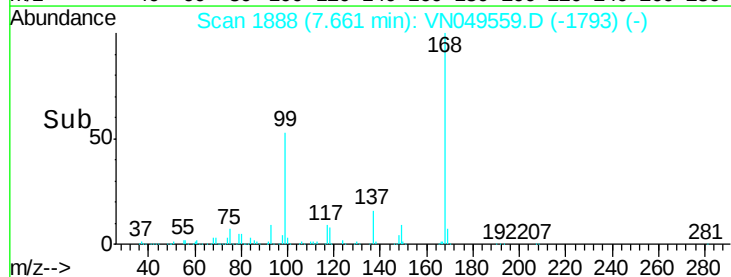
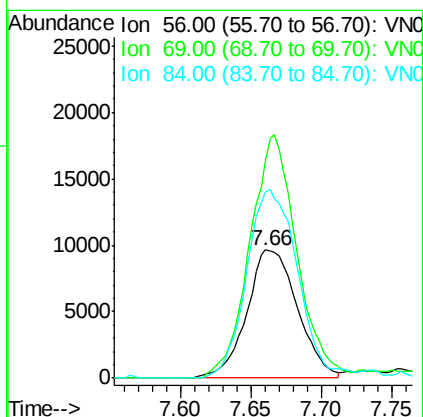
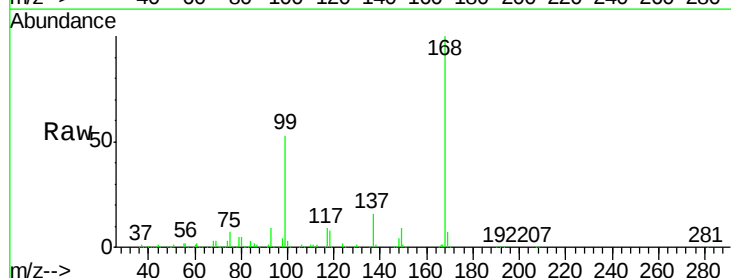
Instrument :  
MSVOA\_N  
ClientSampleId :

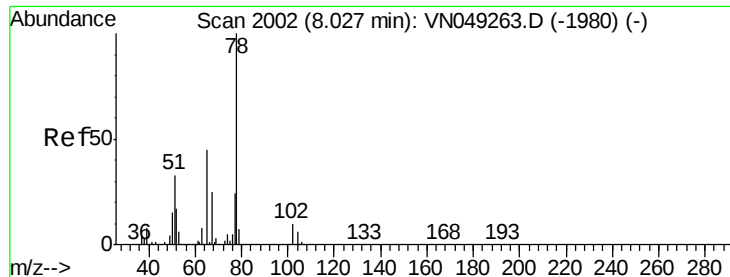
Tot Ion: 42 Resp: 2536  
Ion Ratio Lower Upper  
42 100  
72 35.8 32.2 48.4  
71 16.0 30.5 45.7#



#31  
Cyclohexane  
Concen: 0.75 ug/l  
RT: 7.66 min Scan# 1888  
Delta R.T. 0.01 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Tgt Ion: 56 Resp: 24257  
Ion Ratio Lower Upper  
56 100  
69 169.3 25.0 37.4#  
84 145.5 64.6 96.8#

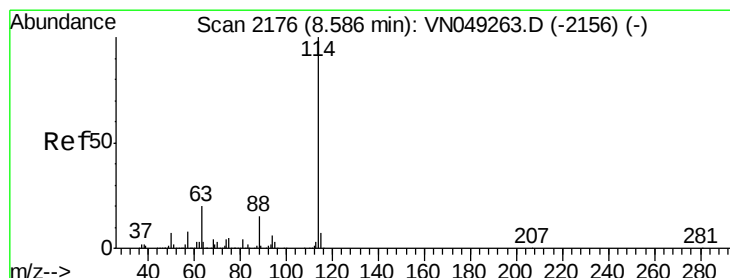
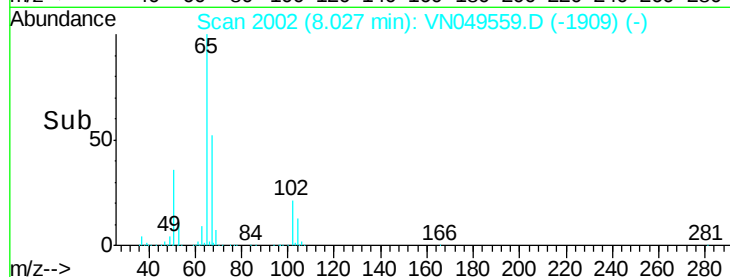
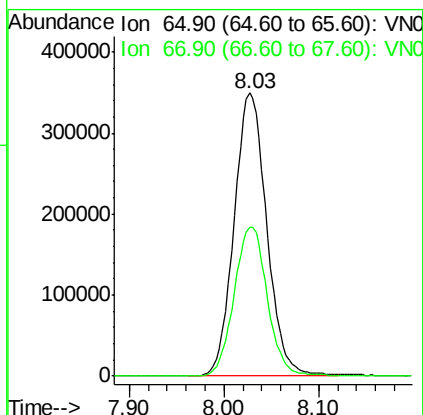
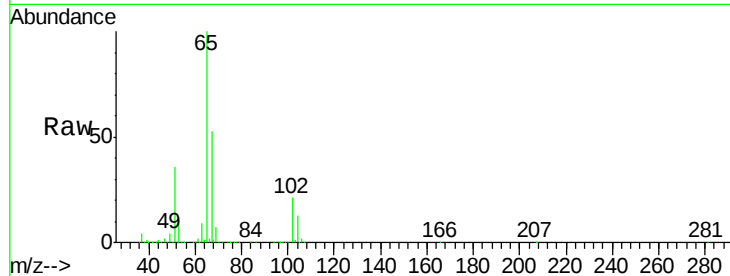




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.95 ug/l  
 RT: 8.03 min Scan# 2002  
 Delta R.T. 0.00 min  
 Lab File: VN049559.D  
 Acq: 26 Jun 2018 18:06

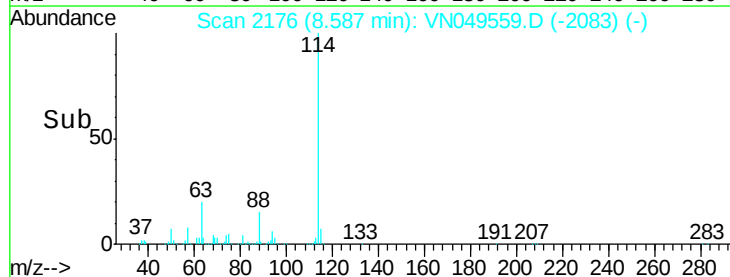
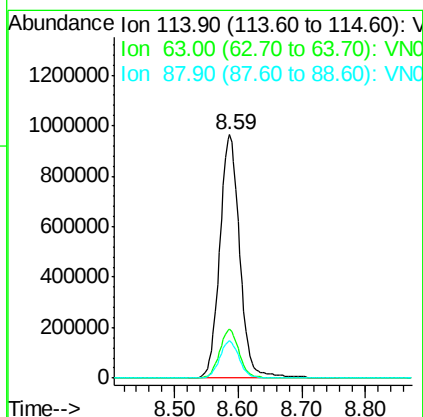
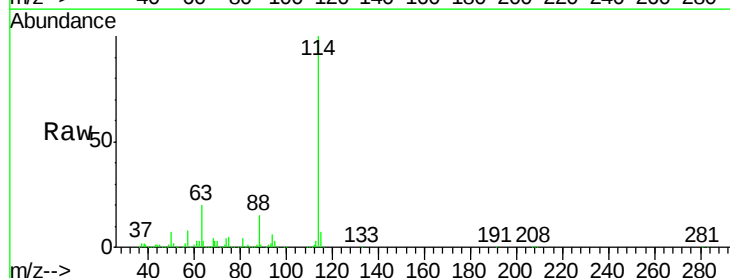
Instrument :  
 MSVOA\_N  
 ClientSampleId :

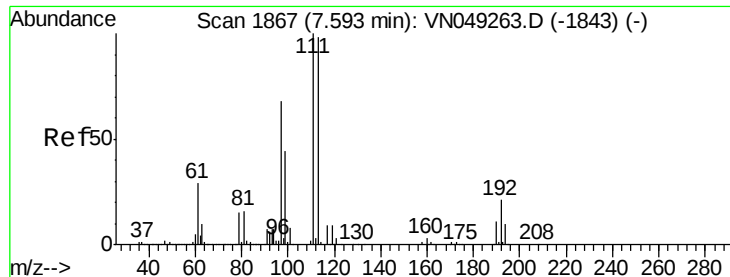
Tot Ion: 65 Resp: 838124  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN049559.D  
 Acq: 26 Jun 2018 18:06

Tgt Ion: 114 Resp: 2098682  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 44.4  
 88 15.2 0.0 31.4

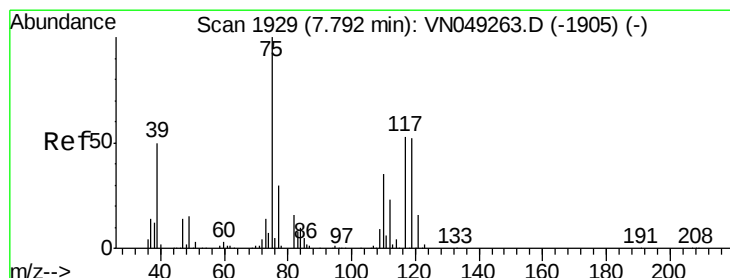
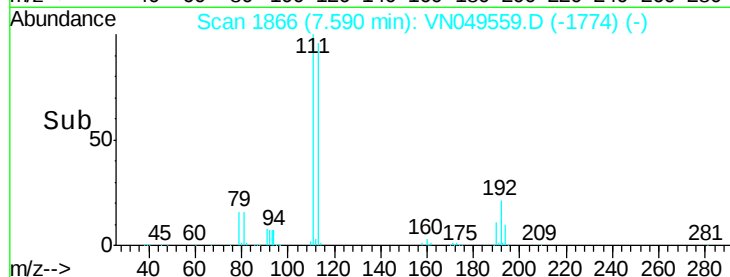
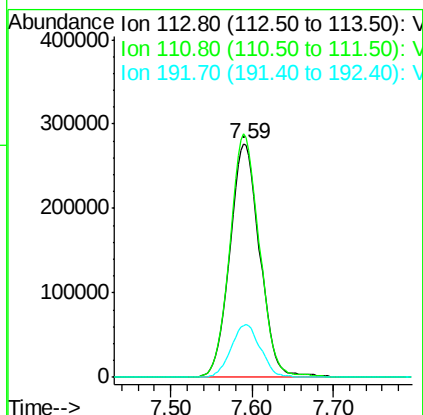
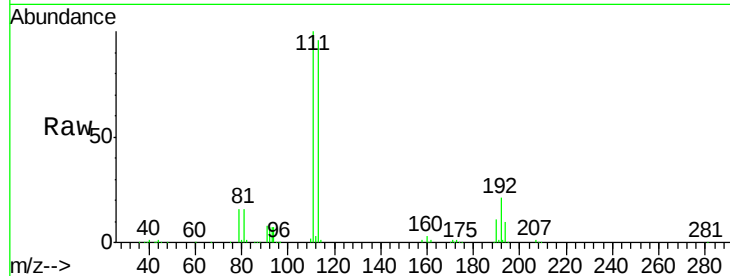




#35  
Dibromofluoromethane  
Concen: 41.76 ug/l  
RT: 7.59 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

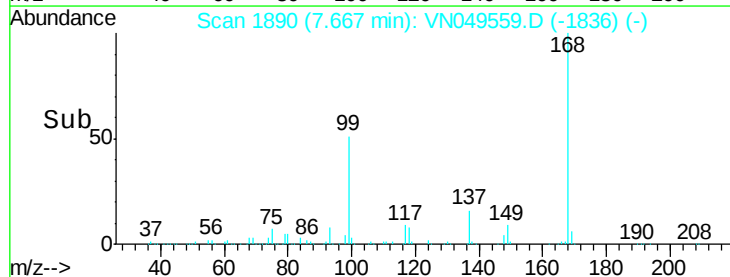
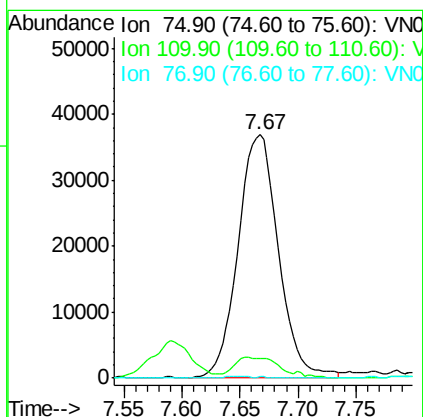
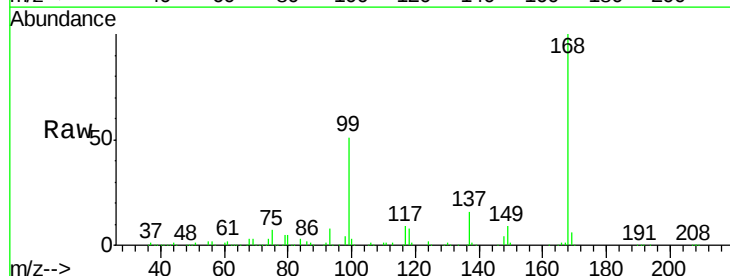
Instrument :  
MSVOA\_N  
ClientSampled :

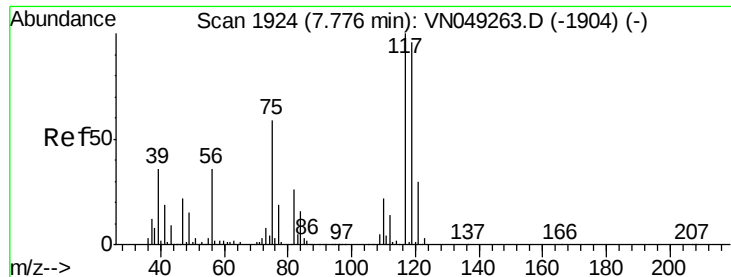
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 82.4  | 123.6 |
| 192     | 22.3  | 15.0  | 22.6  |



#36  
1,1-Dichloropropene  
Concen: 3.73 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.13 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 0.0   | 17.0  | 50.9# |
| 77      | 0.1   | 24.4  | 36.6# |

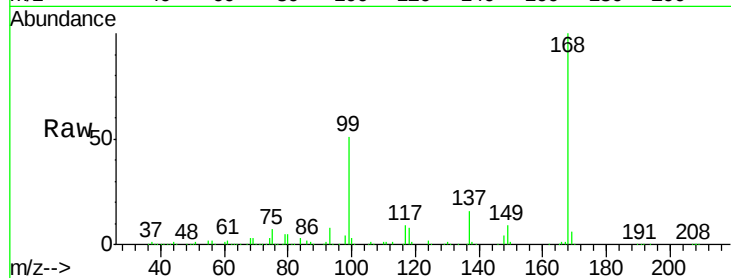




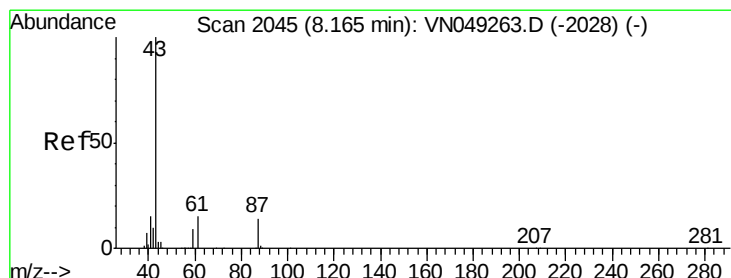
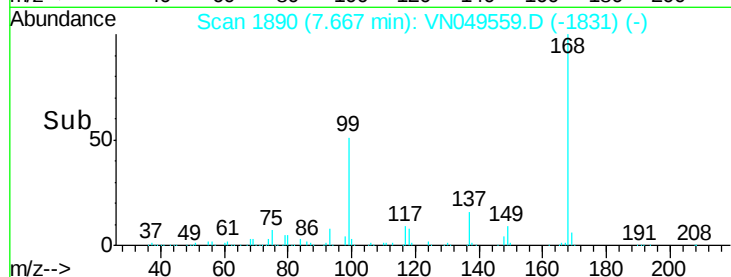
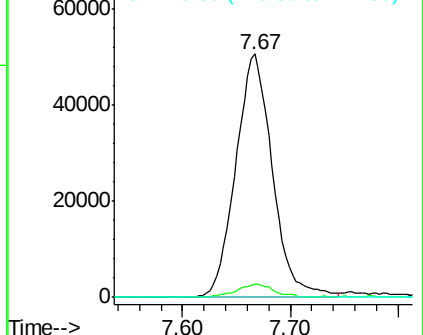
#38  
Carbon Tetrachloride  
Concen: 4.83 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:117 Resp: 120150  
Ion Ratio Lower Upper  
117 100  
119 5.6 75.6 113.4#  
121 0.0 24.7 37.1#

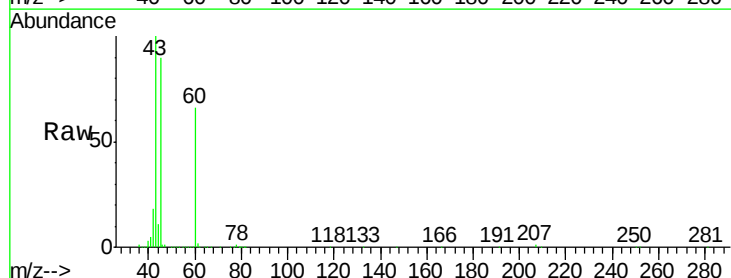


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

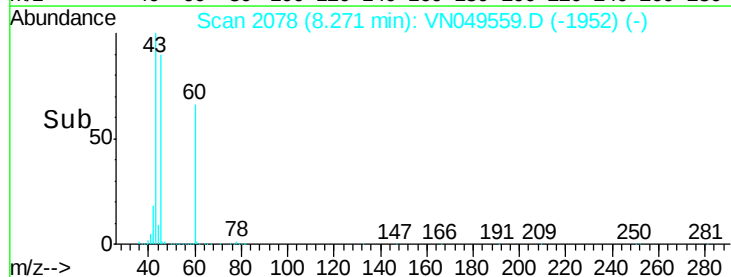
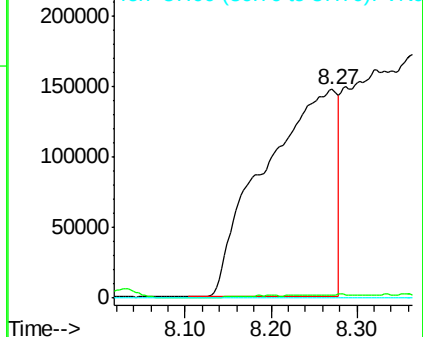


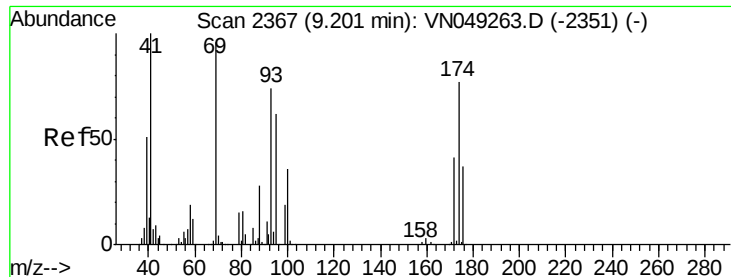
#43  
Isopropyl Acetate  
Concen: 34.41 ug/l  
RT: 8.27 min Scan# 2078  
Delta R.T. 0.11 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Tgt Ion: 43 Resp: 859757  
Ion Ratio Lower Upper  
43 100  
61 0.0 14.2 21.4#  
87 0.0 9.4 14.0#



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

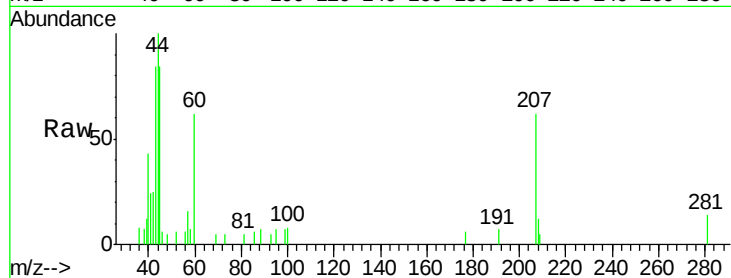




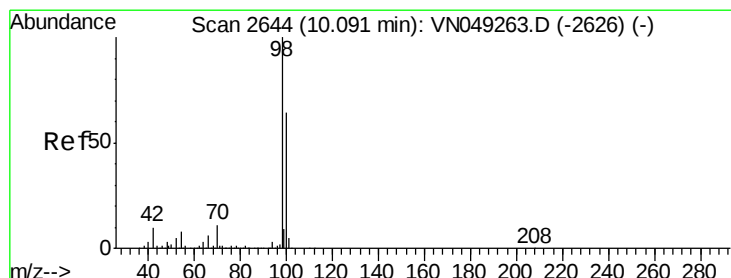
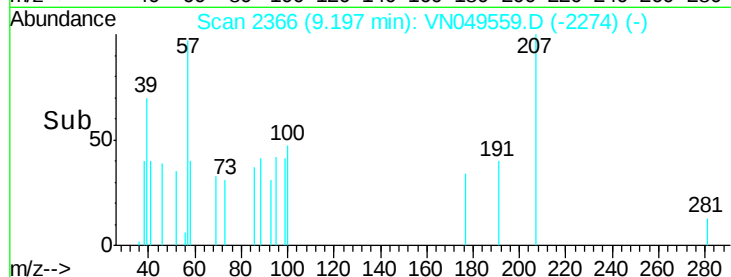
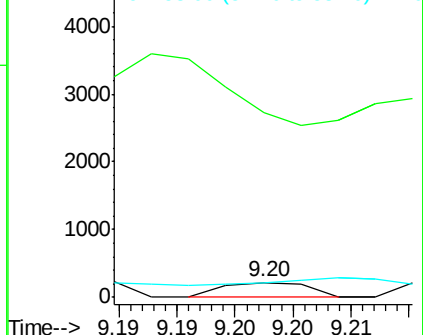
#49  
1,4-Dioxane  
Concen: 0.70 ug/l  
RT: 9.20 min Scan# 2366  
Delta R.T. -0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 88 Resp: 113  
Ion Ratio Lower Upper  
88 100  
43 0.0 30.9 46.3#  
58 0.0 58.9 88.3#

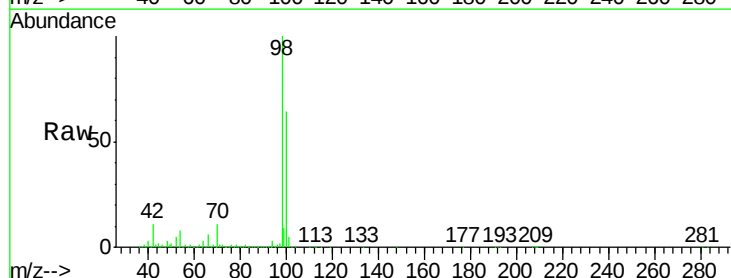


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

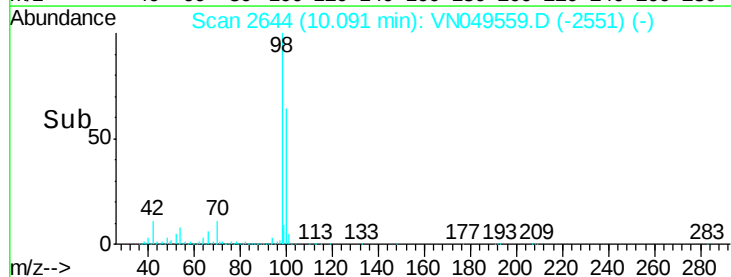
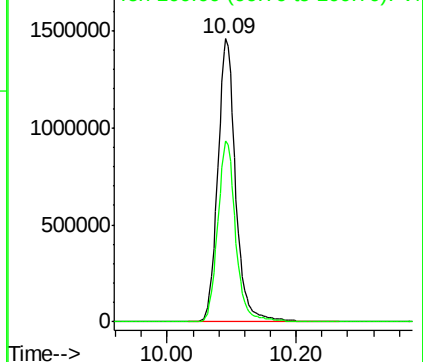


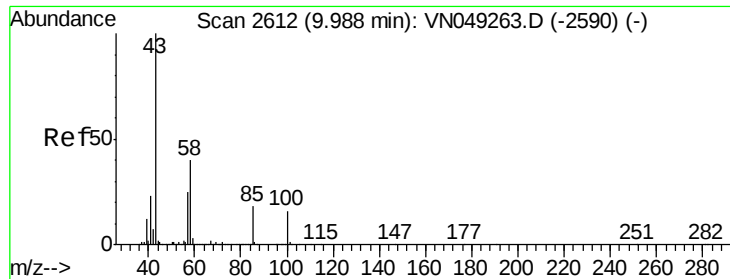
#50  
Toluene-d8  
Concen: 43.60 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Tgt Ion: 98 Resp: 2818720  
Ion Ratio Lower Upper  
98 100  
100 64.2 49.8 74.8



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: 0.75 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

Instrument :

MSVOA\_N

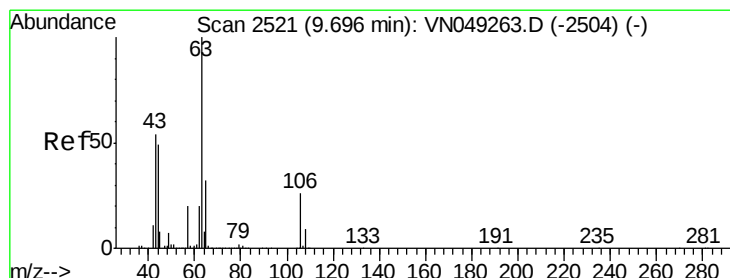
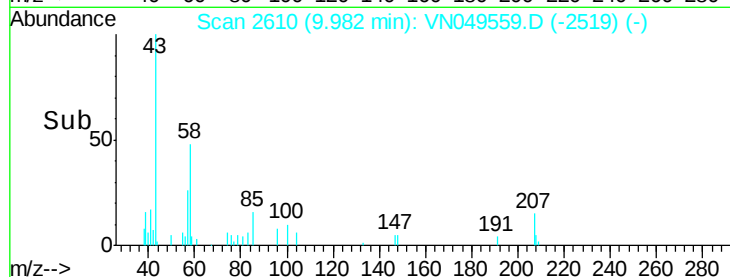
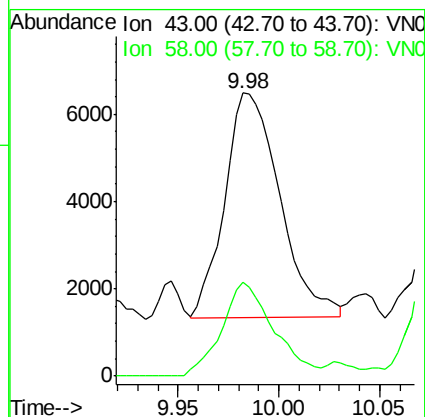
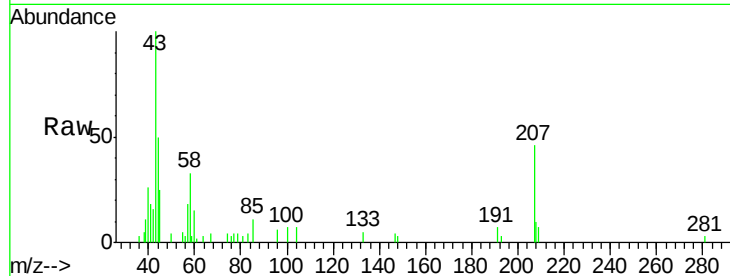
ClientSampled :

Tot Ion: 43 Resp: 9788

Ion Ratio Lower Upper

43 100

58 39.4 29.0 43.6



#58

2-Chloroethyl Vinyl ether

Concen: 14.37 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049559.D

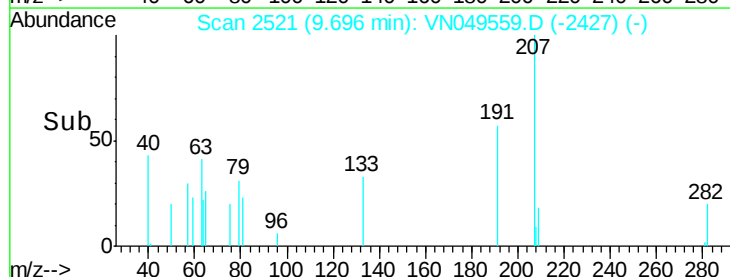
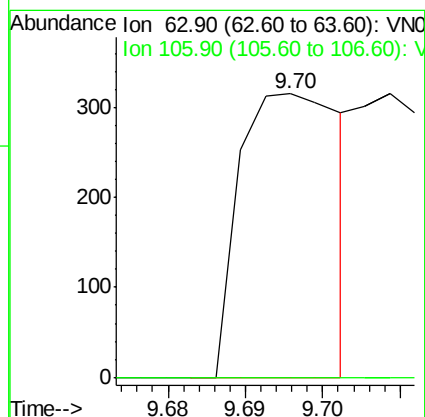
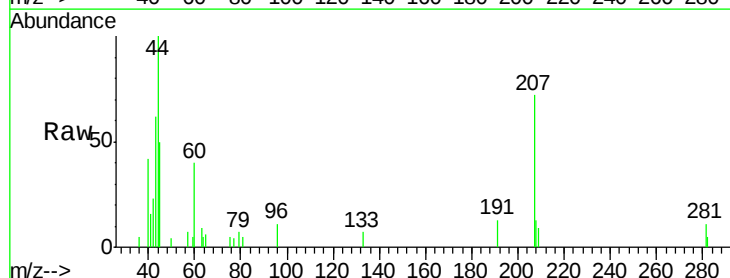
Acq: 26 Jun 2018 18:06

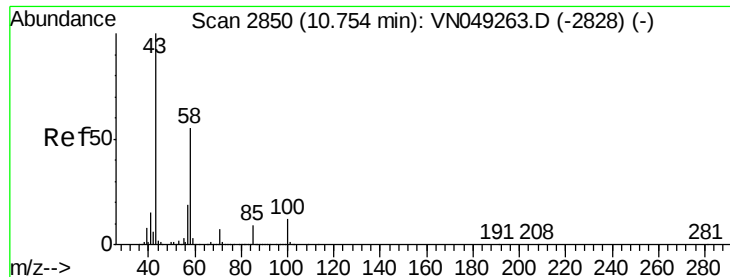
Tgt Ion: 63 Resp: 285

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#

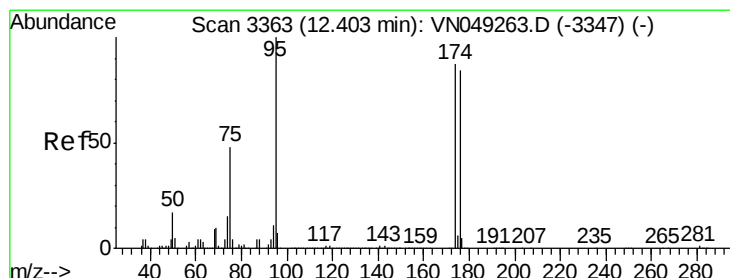
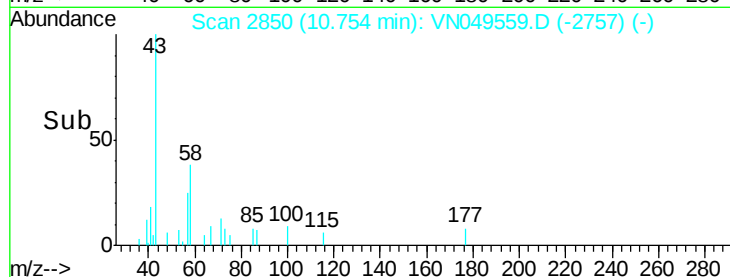
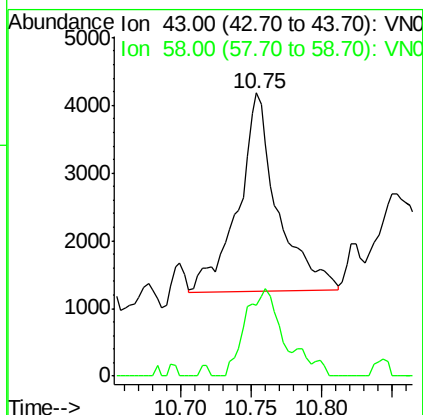
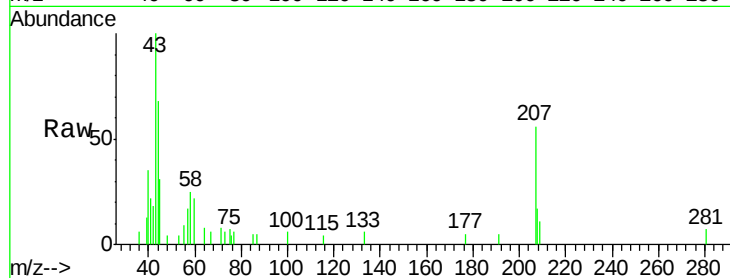




#59  
2-Hexanone  
Concen: 0.68 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

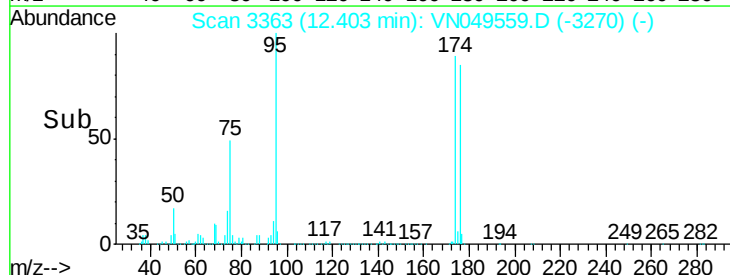
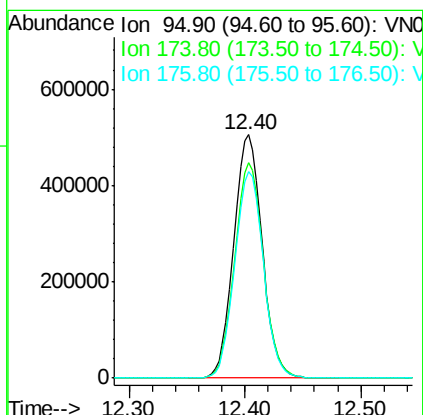
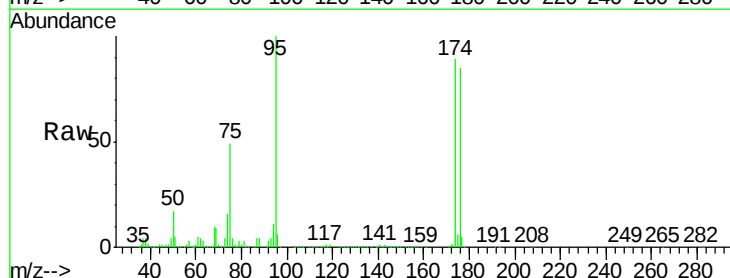
Instrument :  
MSVOA\_N  
ClientSampled :

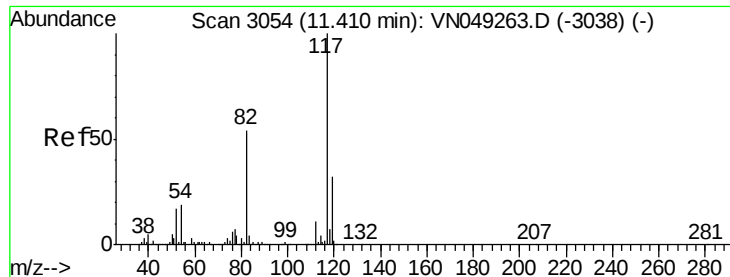
Tot Ion: 43 Resp: 5708  
Ion Ratio Lower Upper  
43 100  
58 38.3 25.2 75.6



#62  
4-Bromofluorobenzene  
Concen: 39.96 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Tgt Ion: 95 Resp: 854236  
Ion Ratio Lower Upper  
95 100  
174 89.2 0.0 165.6  
176 85.6 0.0 157.4

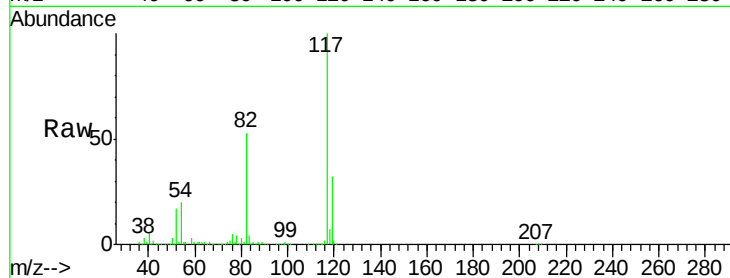




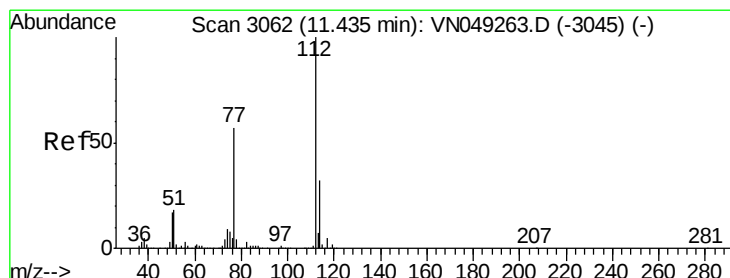
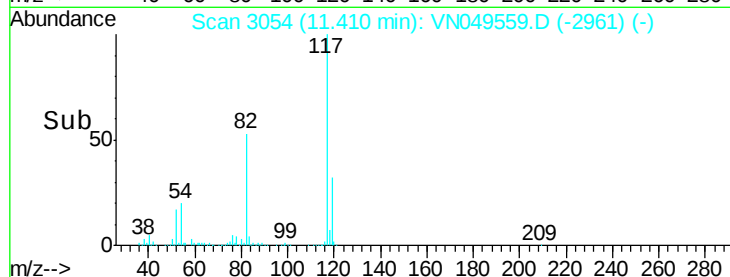
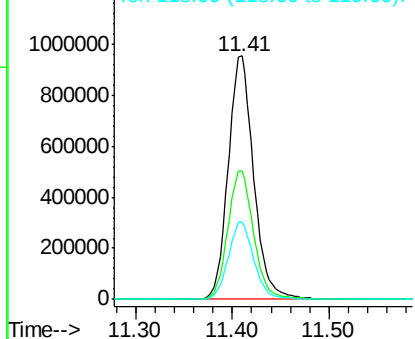
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:117 Resp: 1740754  
Ion Ratio Lower Upper  
117 100  
82 52.8 45.9 68.9  
119 32.0 25.5 38.3

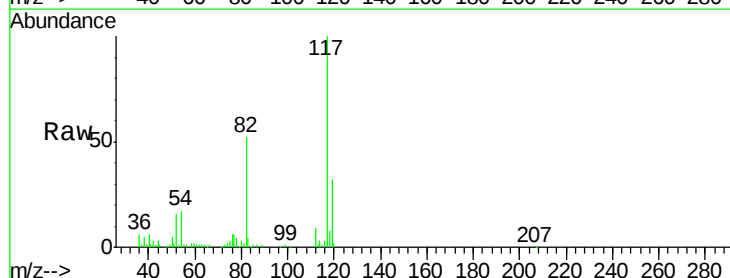


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

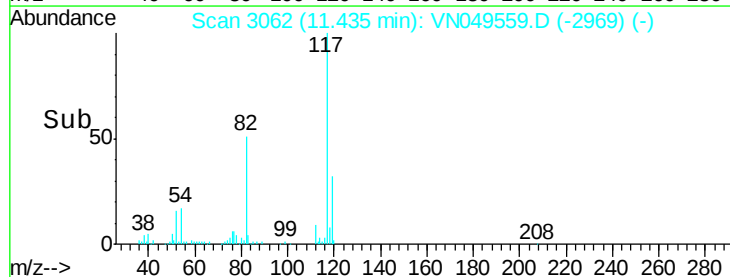
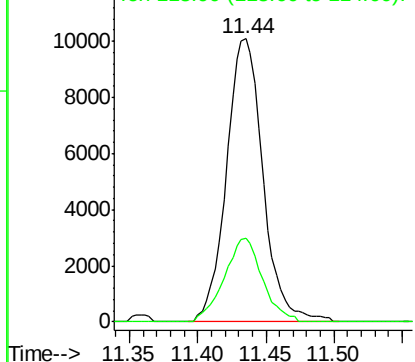


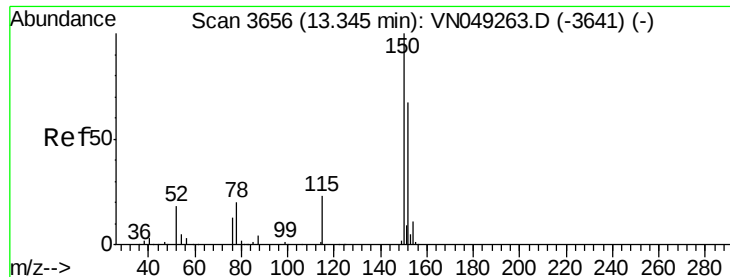
#65  
Chlorobenzene  
Concen: 0.42 ug/l  
RT: 11.44 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Tgt Ion:112 Resp: 18787  
Ion Ratio Lower Upper  
112 100  
114 29.4 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

Instrument :

MSVOA\_N

ClientSampleId :

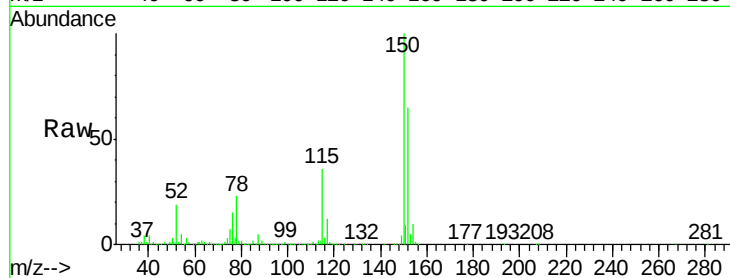
Tot Ion:152 Resp: 723646

Ion Ratio Lower Upper

152 100

115 56.4 28.7 86.1

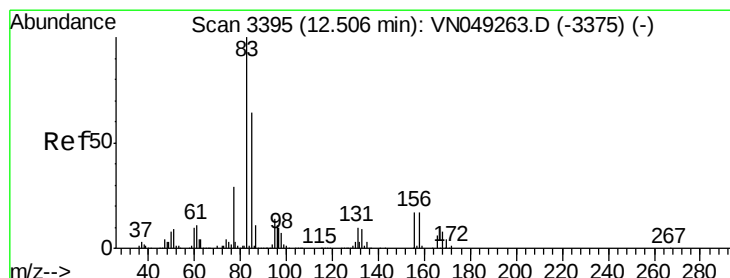
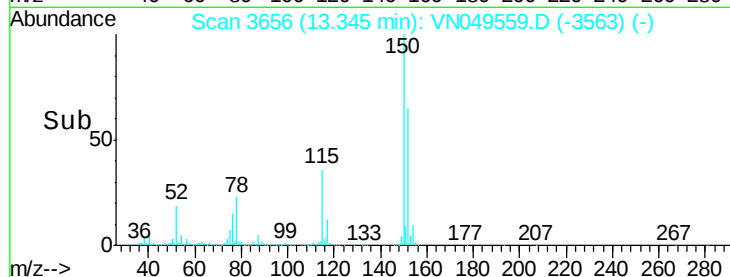
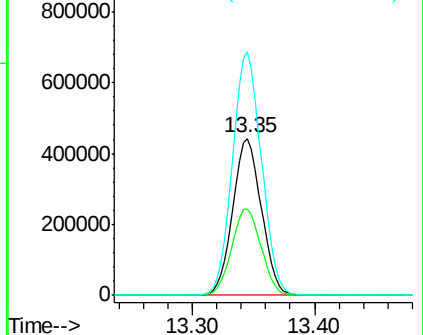
150 156.2 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

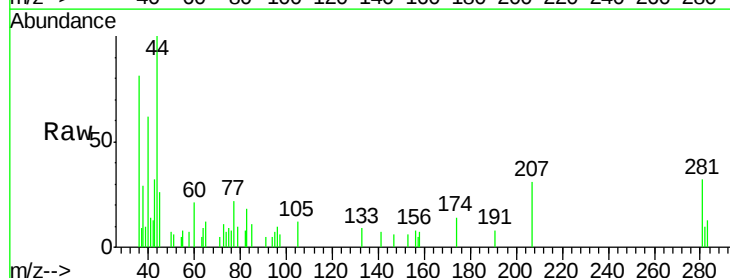
Tgt Ion: 83 Resp: 997

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

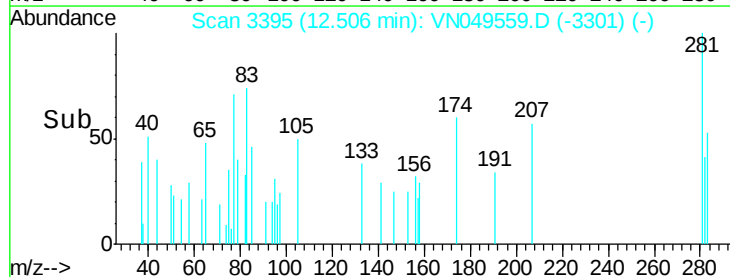
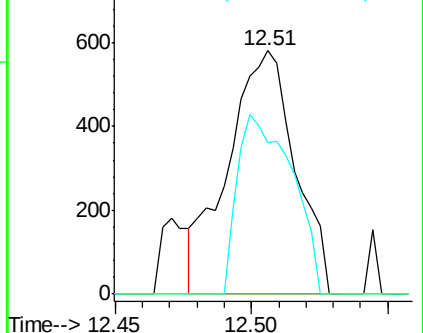
85 60.0 32.0 96.0

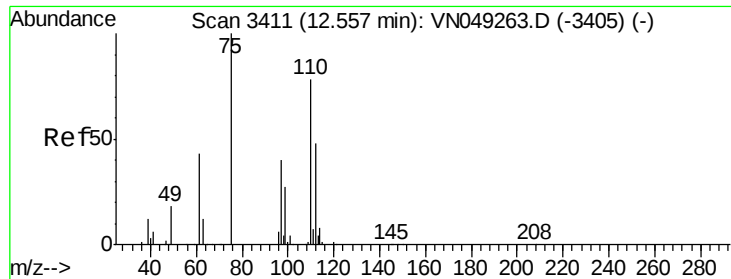


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

Instrument :

MSVOA\_N

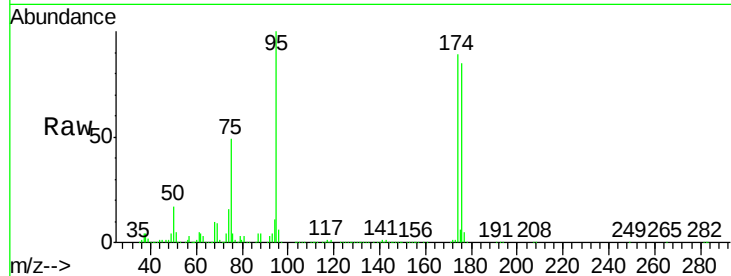
ClientSampled :

Tot Ion: 75 Resp: 415388

Ion Ratio Lower Upper

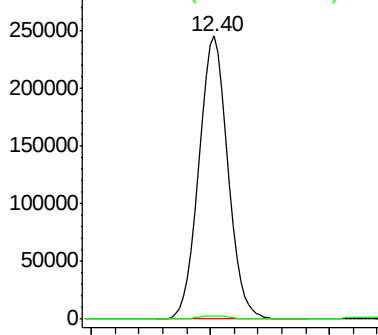
75 100

77 1.4 0.0 0.0#

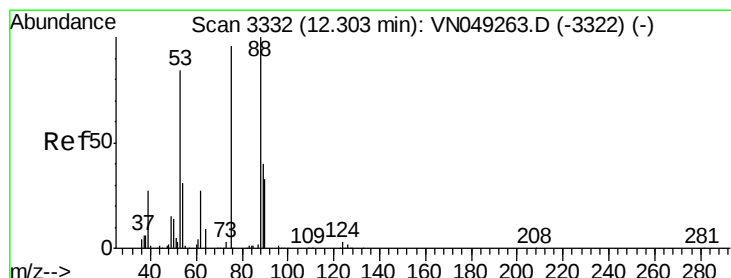
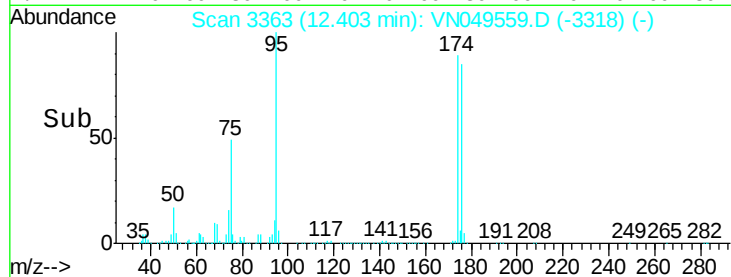


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 106.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

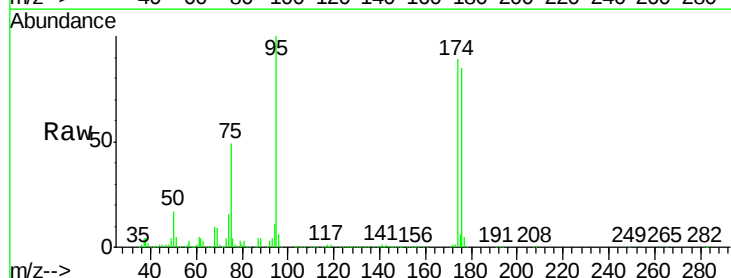
Tgt Ion: 75 Resp: 415388

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

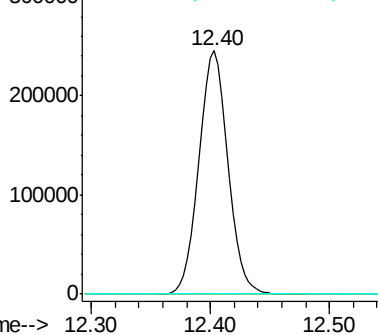
89 0.0 36.5 54.7#



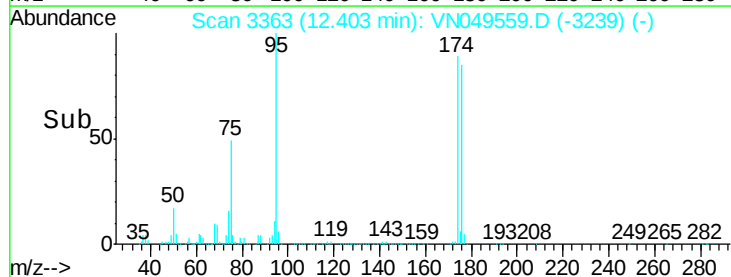
Abundance Ion 74.90 (74.60 to 75.60): VN0

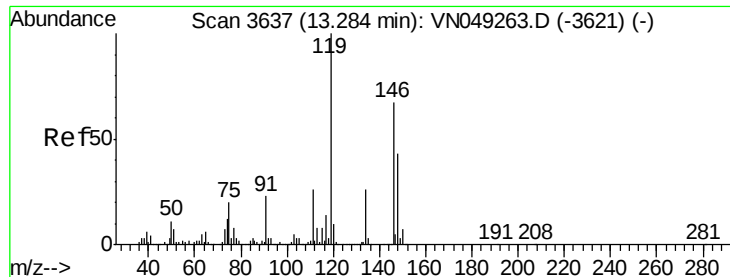
Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time--> 12.30 12.40 12.50

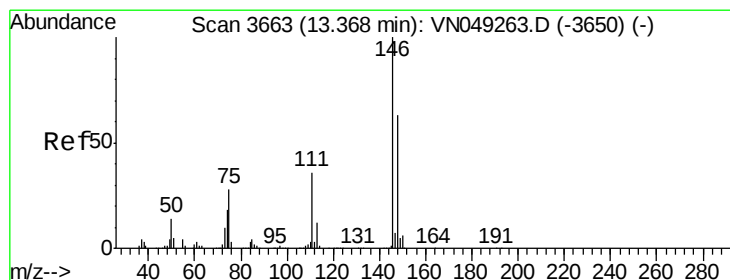
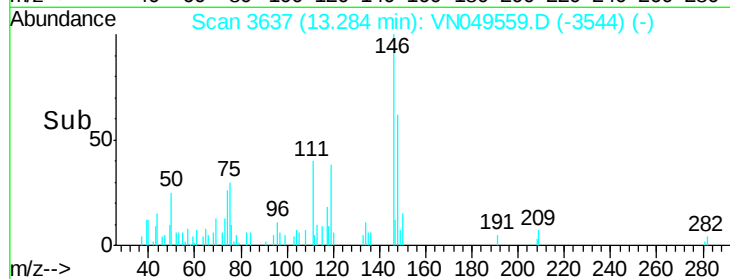
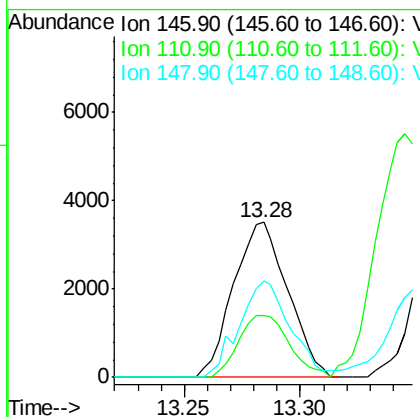
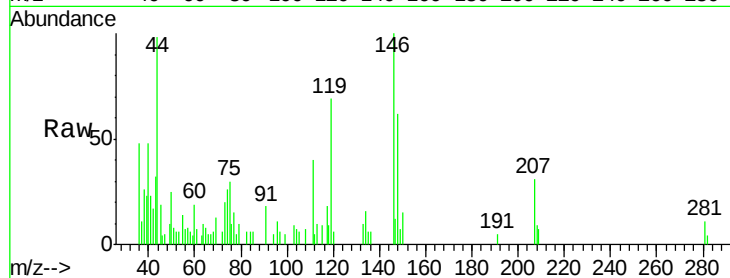




#87  
 1,3-Dichlorobenzene  
 Concen: 0.21 ug/l  
 RT: 13.28 min Scan# 3637  
 Delta R.T. 0.00 min  
 Lab File: VN049559.D  
 Acq: 26 Jun 2018 18:06

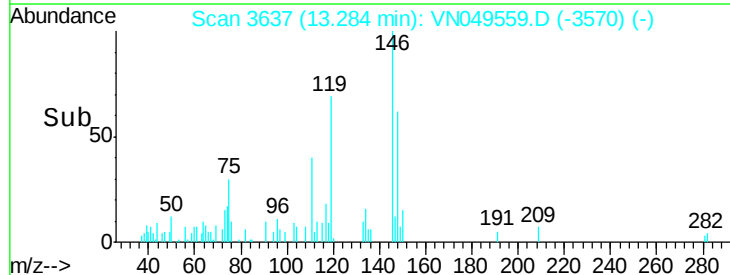
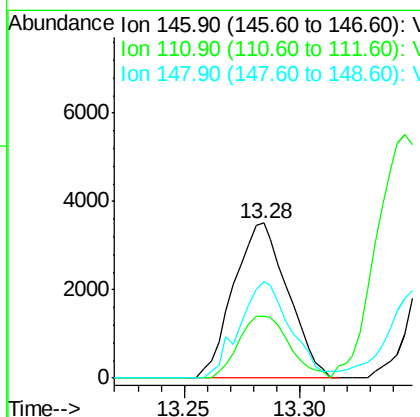
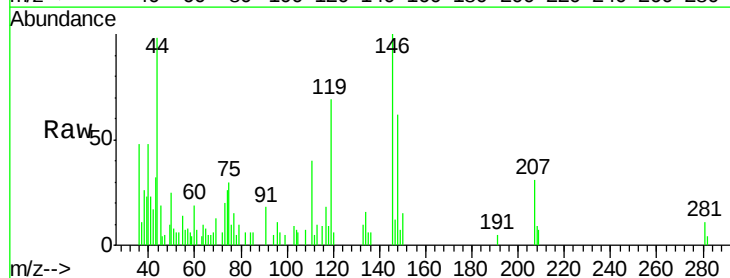
Instrument :  
 MSVOA\_N  
 ClientSampled :

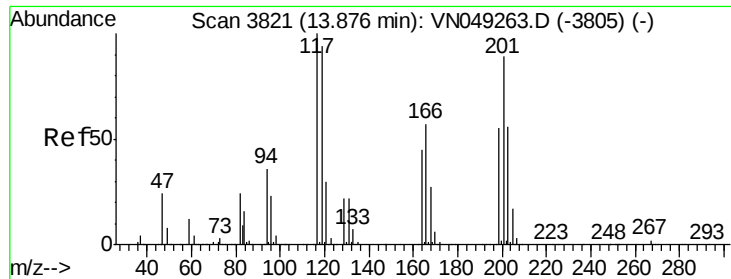
Tot Ion:146 Resp: 5696  
 Ion Ratio Lower Upper  
 146 100  
 111 37.4 19.9 59.6  
 148 59.2 32.1 96.5



#88  
 1,4-Dichlorobenzene  
 Concen: 0.21 ug/l  
 RT: 13.28 min Scan# 3637  
 Delta R.T. -0.08 min  
 Lab File: VN049559.D  
 Acq: 26 Jun 2018 18:06

Tgt Ion:146 Resp: 5696  
 Ion Ratio Lower Upper  
 146 100  
 111 37.4 19.1 57.1  
 148 59.2 32.0 96.2

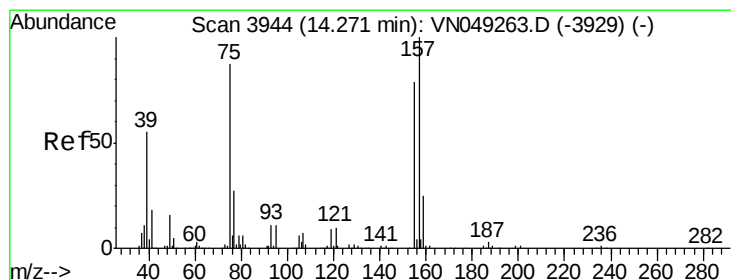
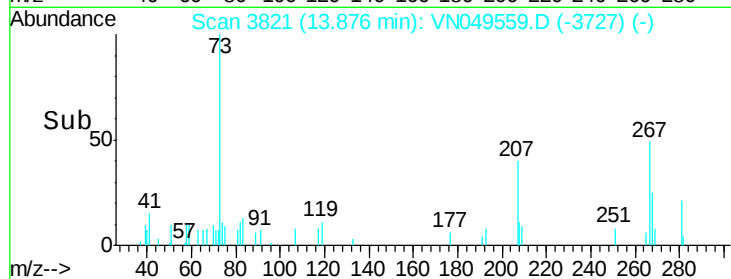
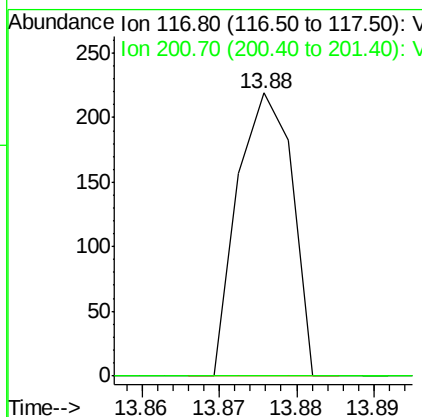
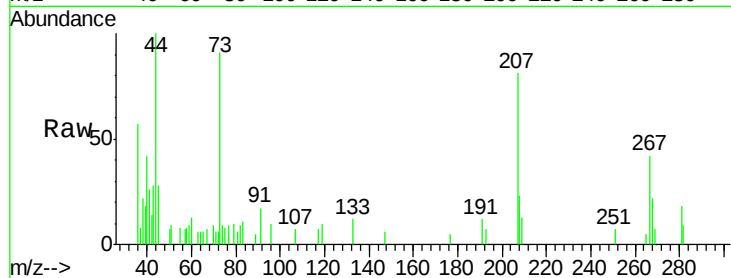




#90  
Hexachloroethane  
Concen: Below Cal  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

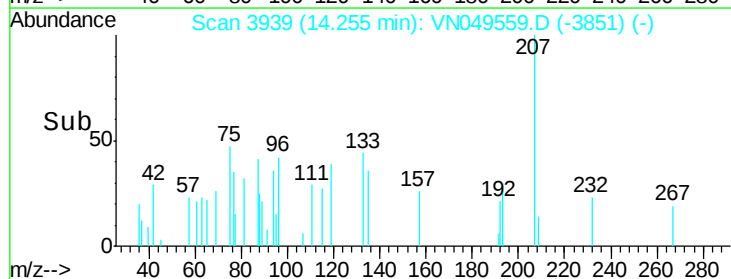
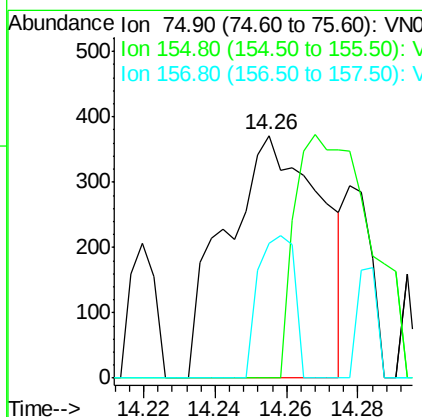
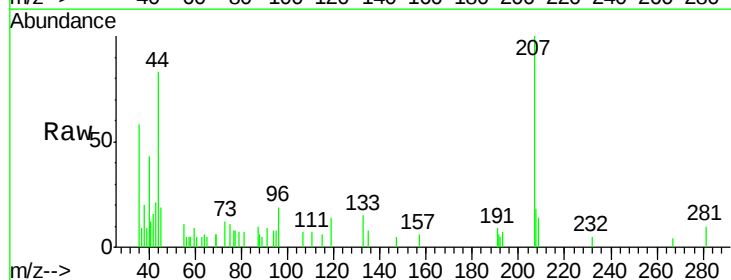
Instrument :  
MSVOA\_N  
ClientSampled :

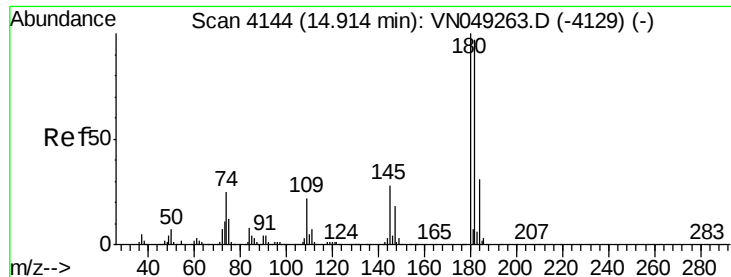
Tot Ion:117 Resp: 108  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.1 120.2#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.31 ug/l  
RT: 14.26 min Scan# 3939  
Delta R.T. -0.02 min  
Lab File: VN049559.D  
Acq: 26 Jun 2018 18:06

Tgt Ion: 75 Resp: 687  
Ion Ratio Lower Upper  
75 100  
155 78.9 38.8 116.3  
157 22.4 51.0 153.1#





#93

1,2,4-Trichlorobenzene

Concen: 5.17 ua/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

Instrument :

MSVOA\_N

ClientSampled :

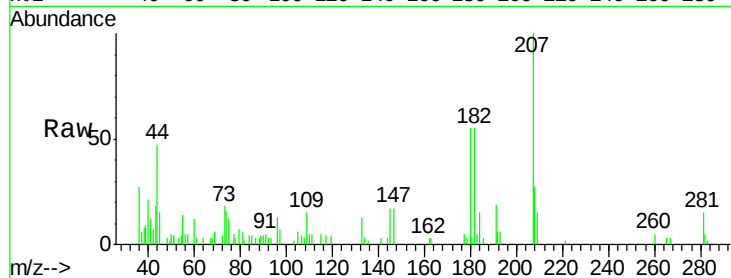
Tot Ion:180 Resp: 5891

Ion Ratio Lower Upper

180 100

182 103.5 46.9 140.8

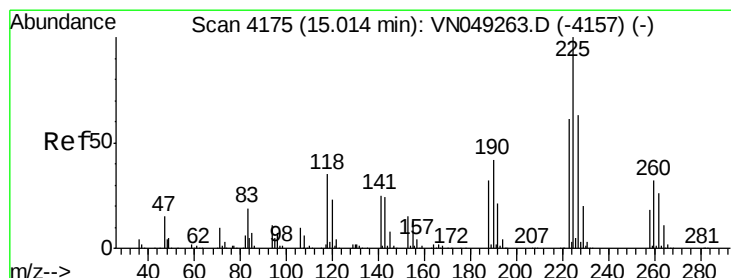
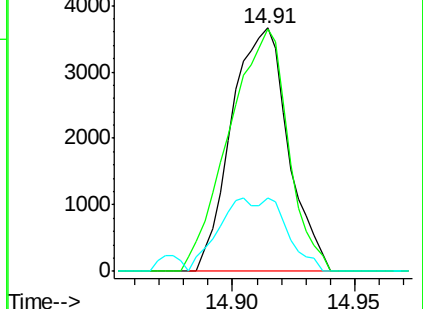
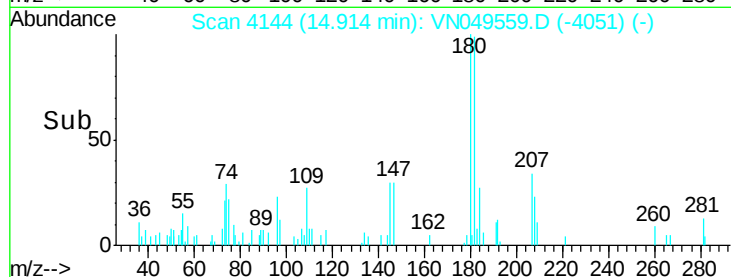
145 18.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

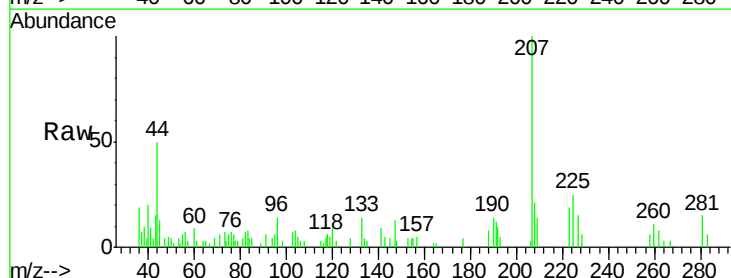
Tgt Ion:225 Resp: 2893

Ion Ratio Lower Upper

225 100

223 85.8 32.1 96.3

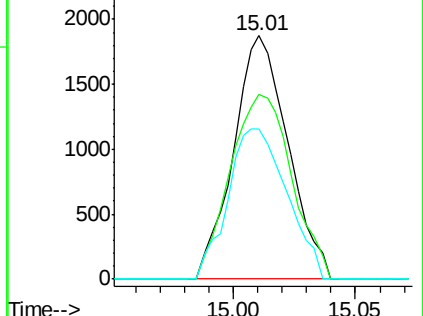
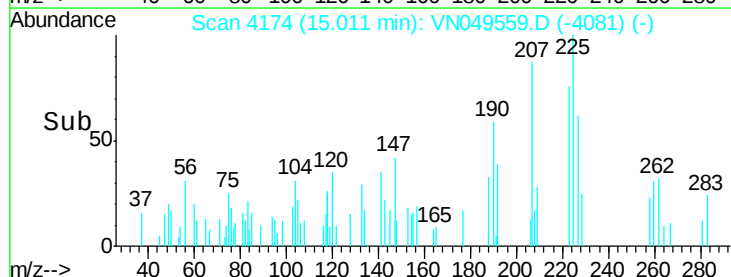
227 67.2 31.8 95.3

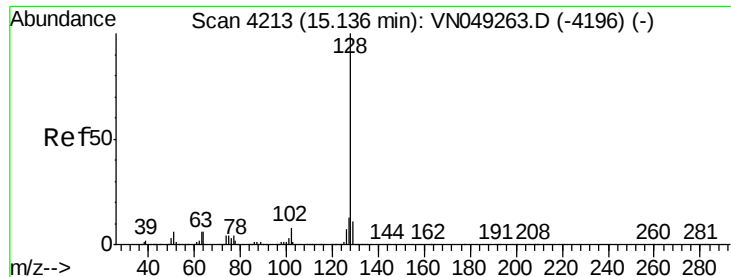


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.16 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

Instrument :

MSVOA\_N

ClientSampleId :

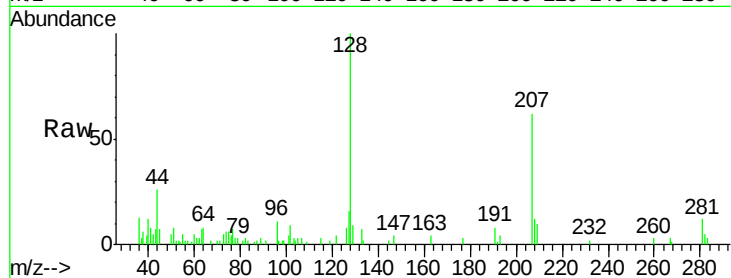
Tot Ion:128 Resp: 21646

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

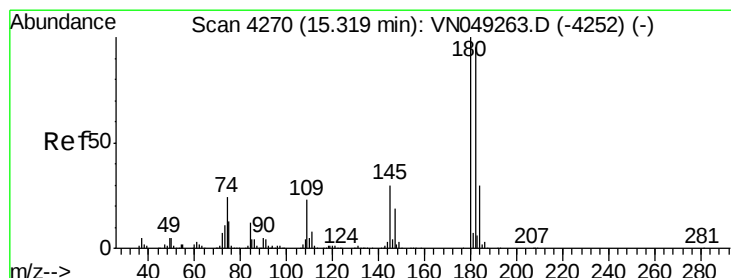
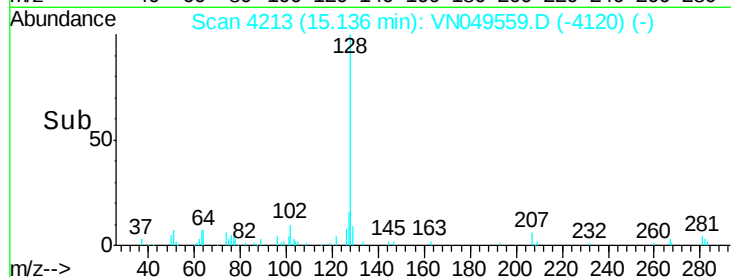
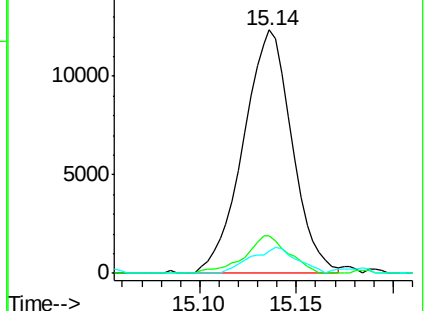
129 10.0 8.5 12.7



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: 3.99 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049559.D

Acq: 26 Jun 2018 18:06

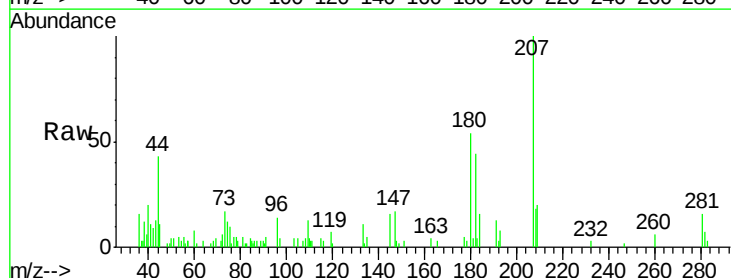
Tgt Ion:180 Resp: 6936

Ion Ratio Lower Upper

180 100

182 90.8 47.3 141.8

145 33.7 15.6 46.7



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

