

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\  
 Data File : VN050149.D  
 Acq On : 27 Jul 2018 23:17  
 Operator : MD\SY  
 Sample : PB111513ZHE#09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111513ZHE#09

Quant Time: Jul 28 01:15:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 655848   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1102781  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 943227   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 339718   | 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   | 468748   | 51.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.46% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 412507   | 45.81 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.62%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1500506  | 45.33 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.66%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 419440   | 38.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 76.96%  |          |

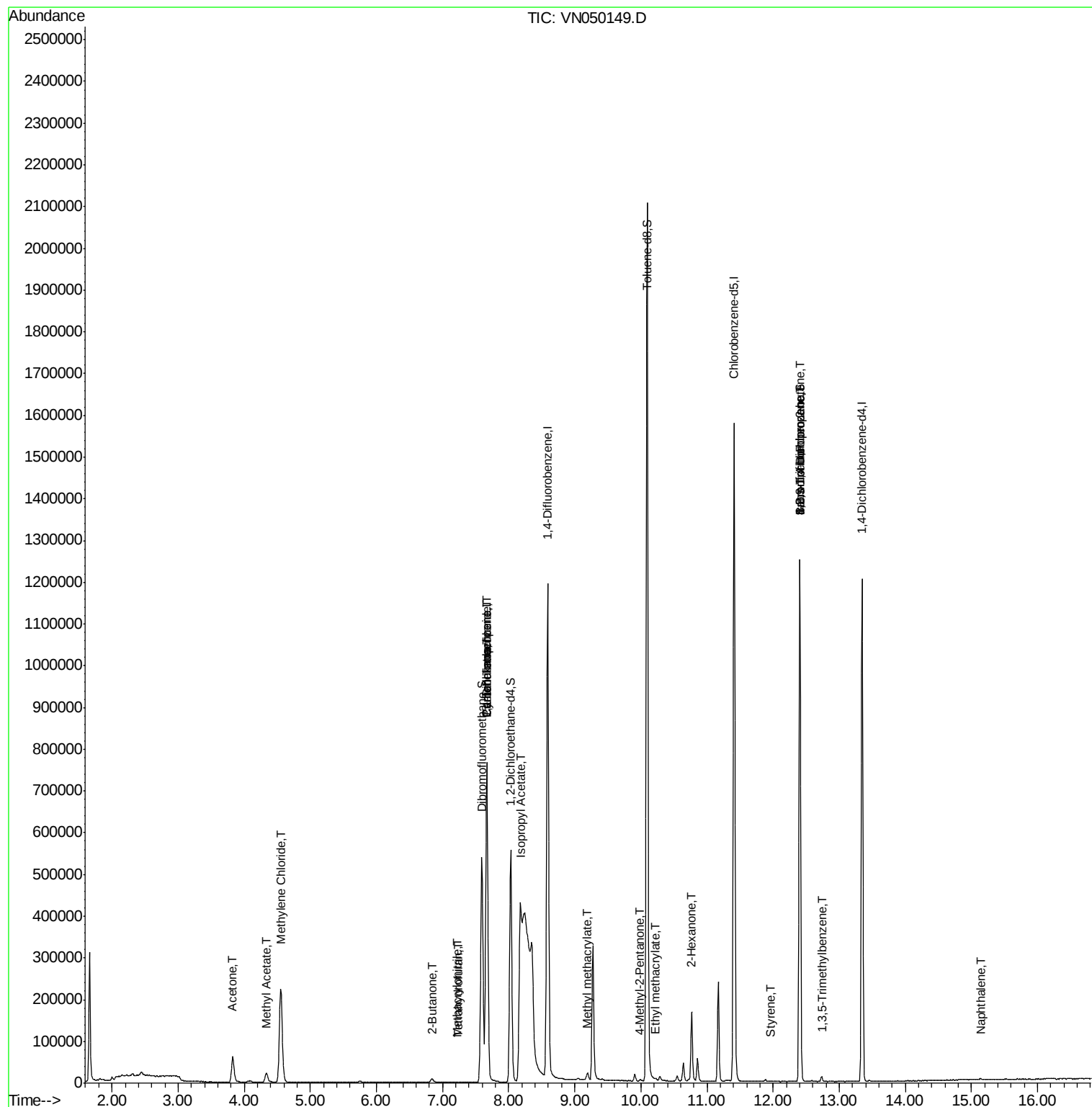
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 2.55  | 94   | 142      | Below Cal | #      | 36     |
| 16) Acetone                    | 3.82  | 43   | 104103   | 44.73     | ug/l   | 100    |
| 18) Methyl Acetate             | 4.34  | 43   | 42813    | 3.59      | ug/l   | 98     |
| 20) Methylene Chloride         | 4.55  | 84   | 177627   | 21.17     | ug/l   | 99     |
| 25) 2-Butanone                 | 6.85  | 43   | 3401     | 0.97      | ug/l   | 90     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 1046     | 0.46      | ug/l # | 42     |
| 31) Cyclohexane                | 7.67  | 56   | 11984    | 0.88      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 45750    | 3.68      | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 60242    | 4.57      | ug/l # | 16     |
| 41) Methacrylonitrile          | 7.22  | 41   | 443      | 2.84      | ug/l # | 31     |
| 43) Isopropyl Acetate          | 8.18  | 43   | 513163   | 31.00     | ug/l # | 84     |
| 48) Methyl methacrylate        | 9.18  | 41   | 9135     | 1.22      | ug/l # | 22     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3233     | 0.38      | ug/l   | 87     |
| 56) Ethyl methacrylate         | 10.23 | 69   | 3131     | 2.28      | ug/l # | 66     |
| 59) 2-Hexanone                 | 10.77 | 43   | 24360    | 8.99      | ug/l # | 55     |
| 70) Styrene                    | 11.97 | 104  | 467      | 0.94      | ug/l # | 40     |
| 71) Bromoform                  | 12.40 | 173  | 3772     | 0.57      | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.39 | 83   | 127      | Below Cal | #      | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 205933   | 32.62     | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 5259     | 0.25      | ug/l   | 92     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 205933   | 103.46    | ug/l # | 13     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 30       | Below Cal | #      | 1      |
| 95) Naphthalene                | 15.14 | 128  | 2408     | 4.56      | ug/l # | 83     |

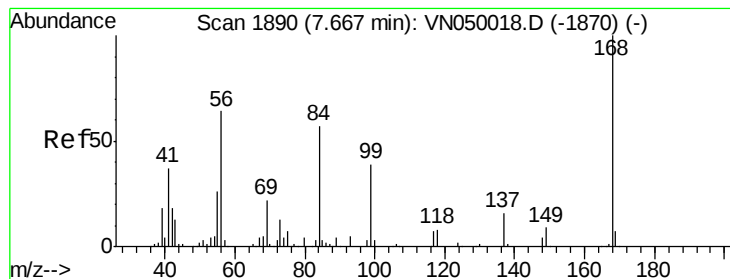
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

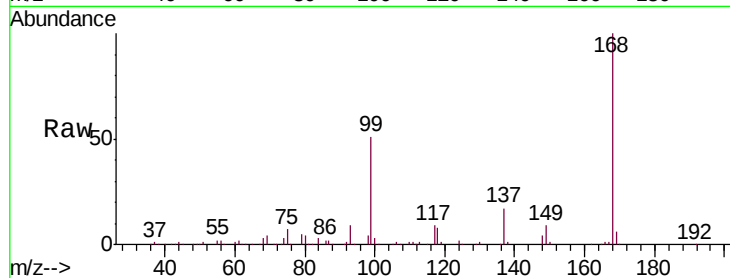
PB111513ZHE#09

Tot Ion:168 Resp: 655848

Ion Ratio Lower Upper

168 100

99 50.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

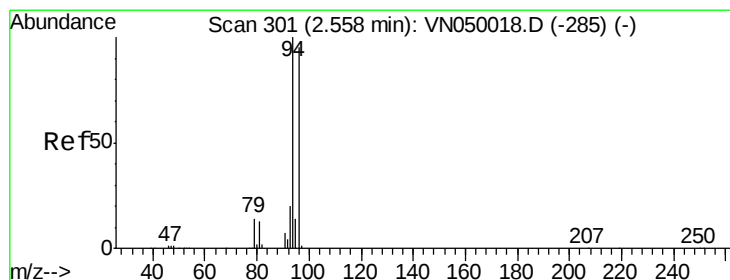
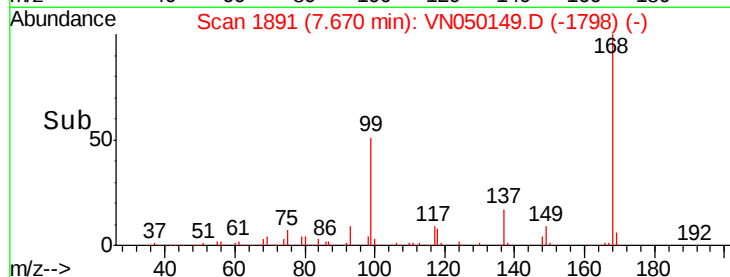
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 300

Delta R.T. 0.00 min

Lab File: VN050149.D

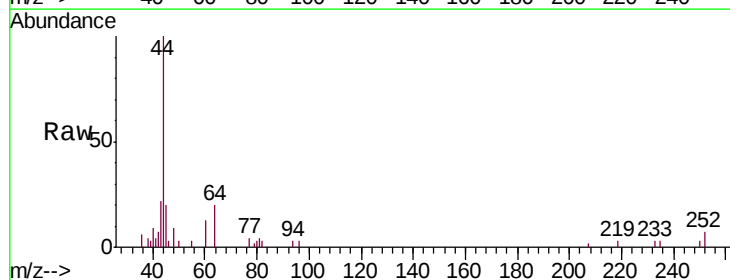
Acq: 27 Jul 2018 23:17

Tgt Ion: 94 Resp: 142

Ion Ratio Lower Upper

94 100

96 31.6 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

300

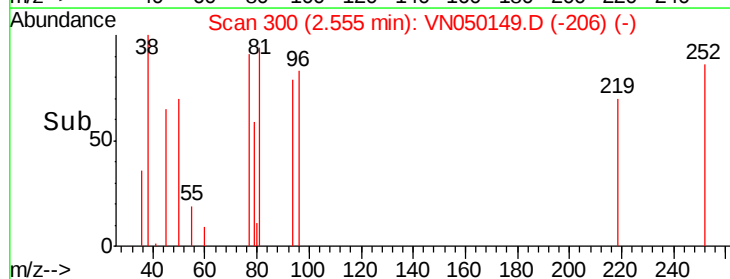
200

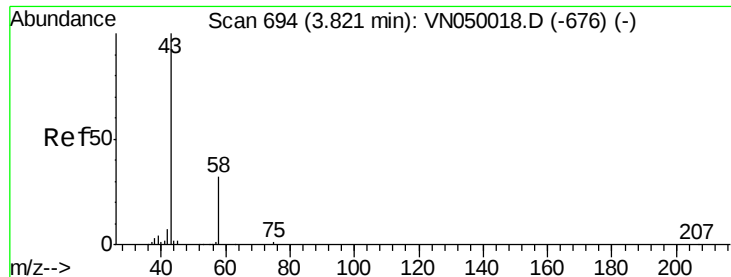
100

0

Time-->

2.54 2.55 2.56





#16

Acetone

Concen: 44.73 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

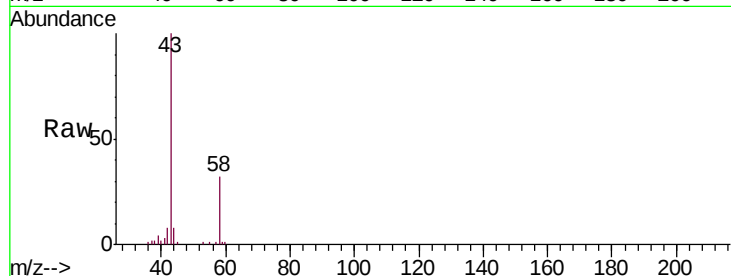
PB111513ZHE#09

Tot Ion: 43 Resp: 104103

Ion Ratio Lower Upper

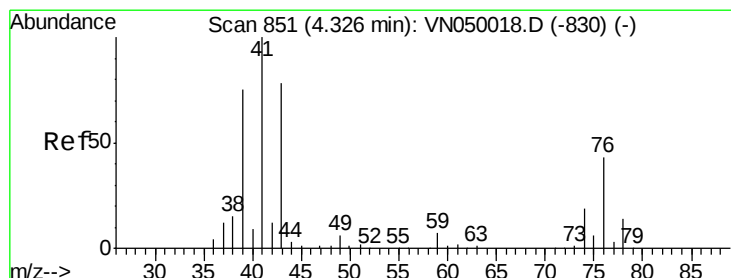
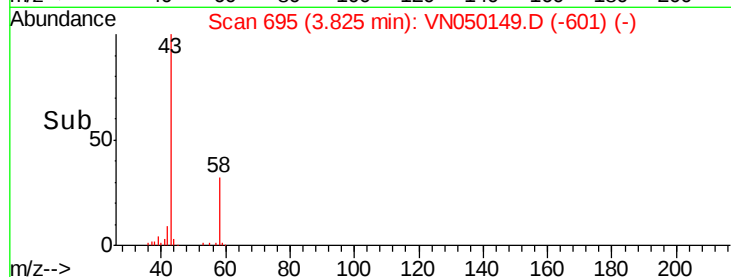
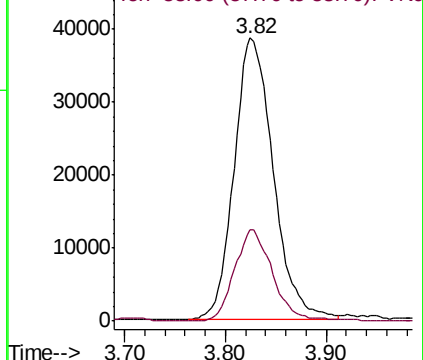
43 100

58 32.5 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 3.59 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050149.D

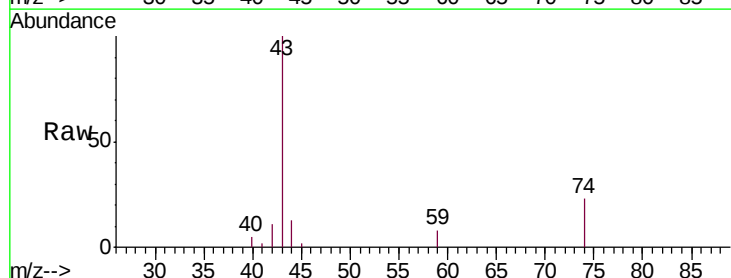
Acq: 27 Jul 2018 23:17

Tgt Ion: 43 Resp: 42813

Ion Ratio Lower Upper

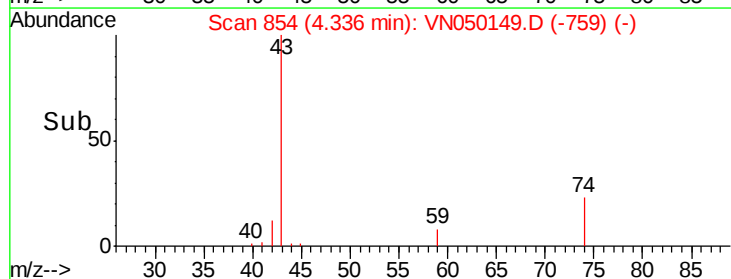
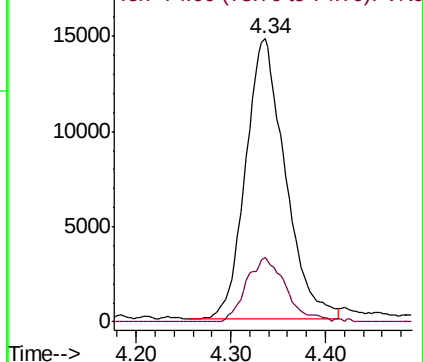
43 100

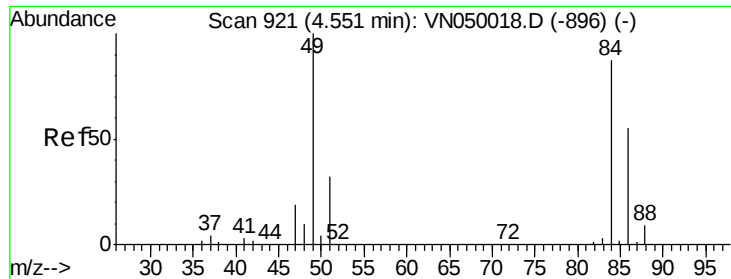
74 22.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

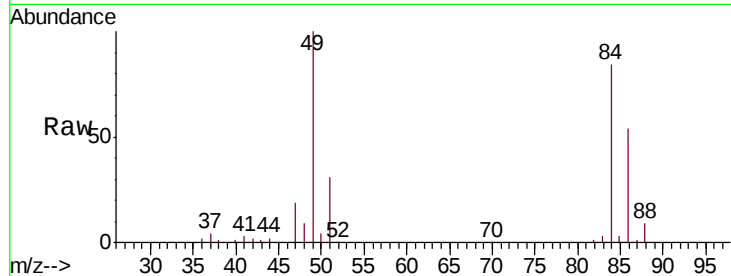




#20  
Methvlene Chloride  
Concen: 21.17 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN050149.D  
Acq: 27 Jul 2018 23:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111513ZHE#09

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 177627 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 119.2 | 94.8  | 142.2  |
| 51       | 36.6  | 28.3  | 42.5   |
| 86       | 64.6  | 51.0  | 76.6   |



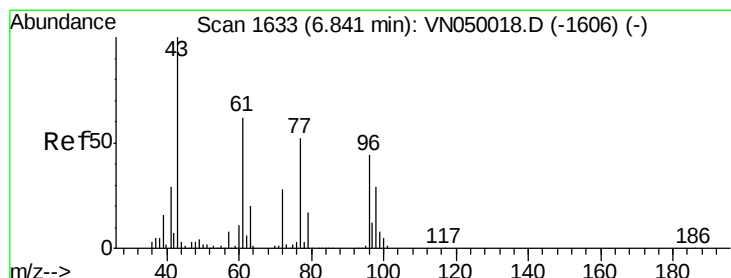
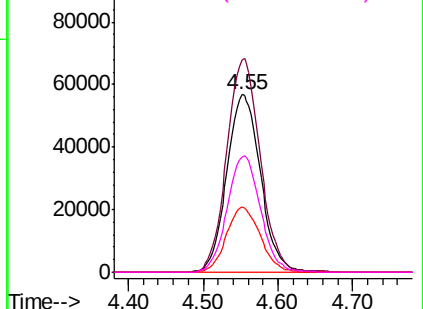
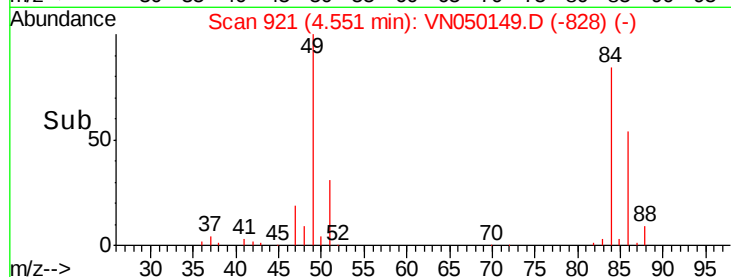
Abundance

Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

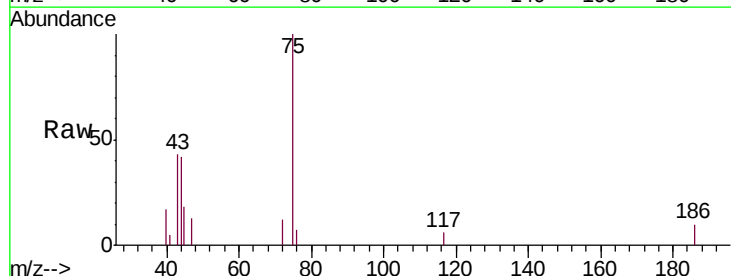
Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#25  
2-Butanone  
Concen: 0.97 ug/l  
RT: 6.85 min Scan# 1637  
Delta R.T. 0.01 min  
Lab File: VN050149.D  
Acq: 27 Jul 2018 23:17

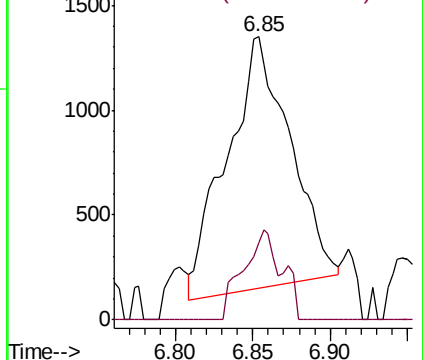
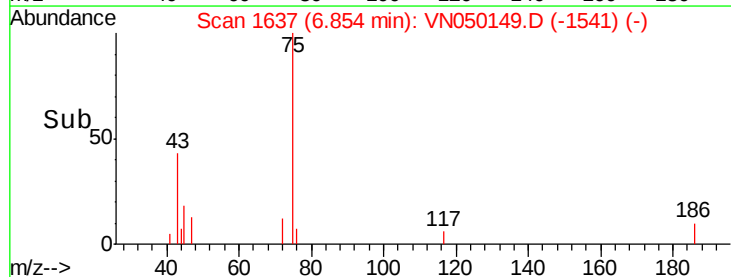
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3401  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 32.3  | 21.5  | 32.3  |

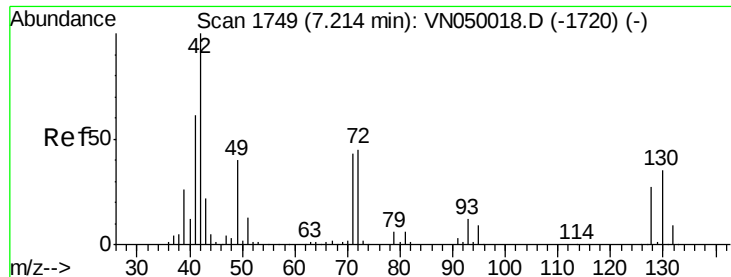


Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

PB111513ZHE#09

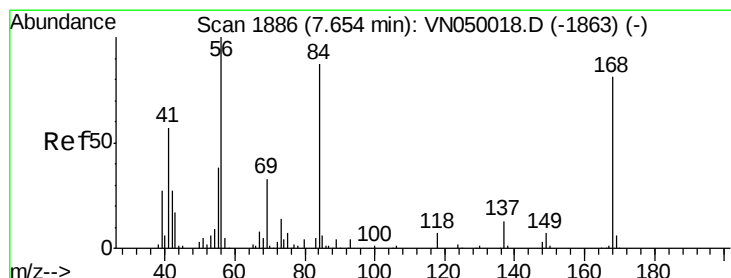
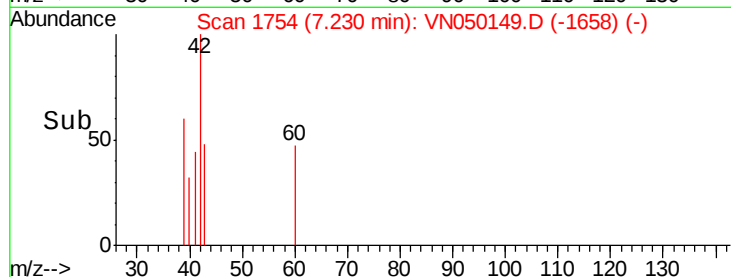
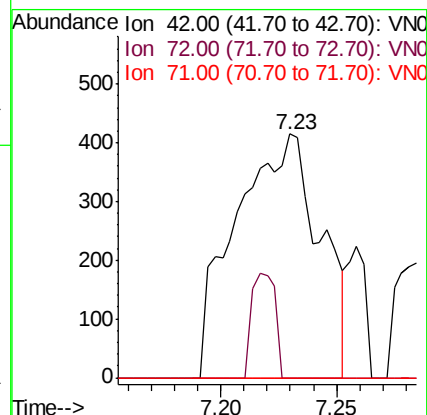
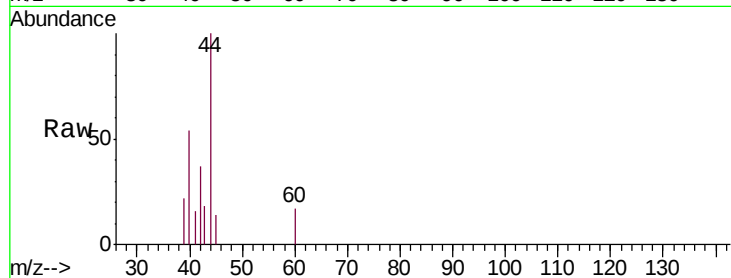
Tot Ion: 42 Resp: 1046

Ion Ratio Lower Upper

42 100

72 12.1 35.9 53.9#

71 0.0 33.7 50.5#



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

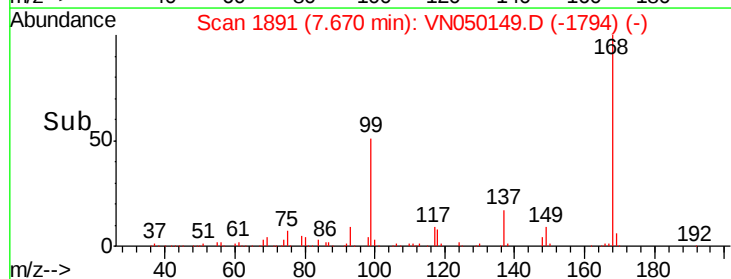
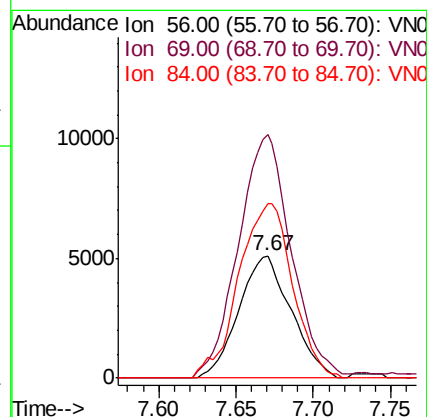
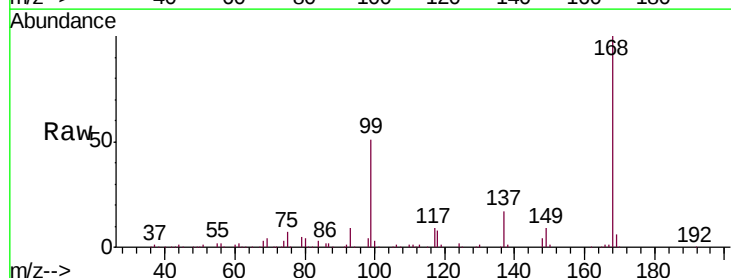
Tgt Ion: 56 Resp: 11984

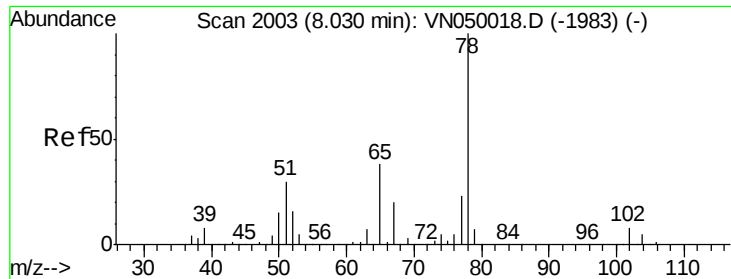
Ion Ratio Lower Upper

56 100

69 199.3 26.2 39.4#

84 142.8 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.23 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

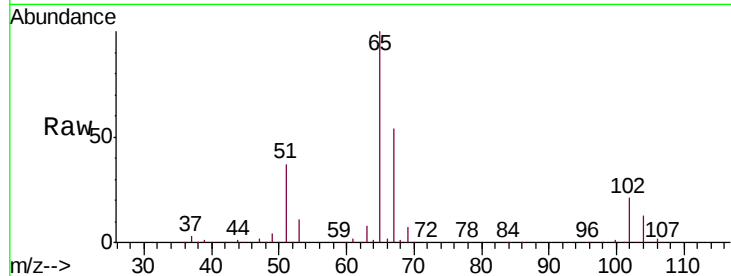
PB111513ZHE#09

Tot Ion: 65 Resp: 468748

Ion Ratio Lower Upper

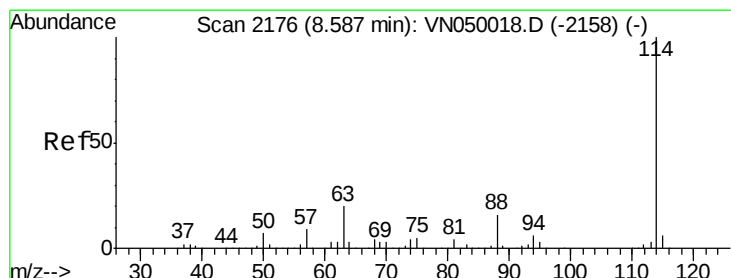
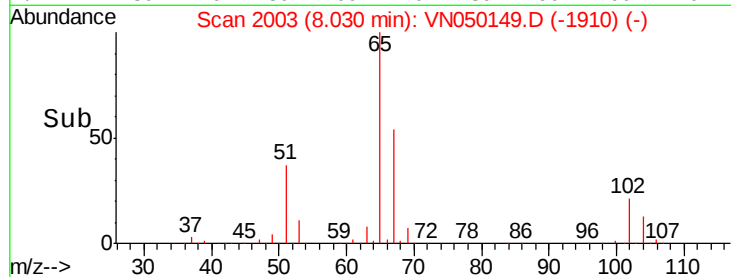
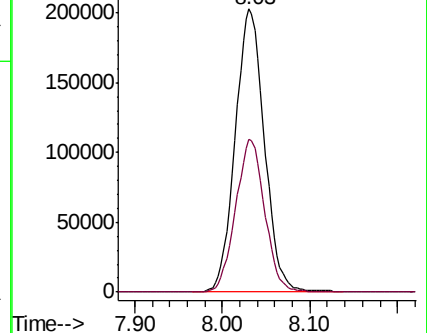
65 100

67 53.8 0.0 108.4



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# 2177

Delta R.T. 0.00 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

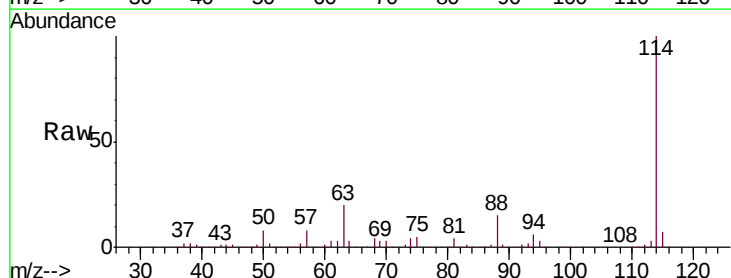
Tgt Ion: 114 Resp: 1102781

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

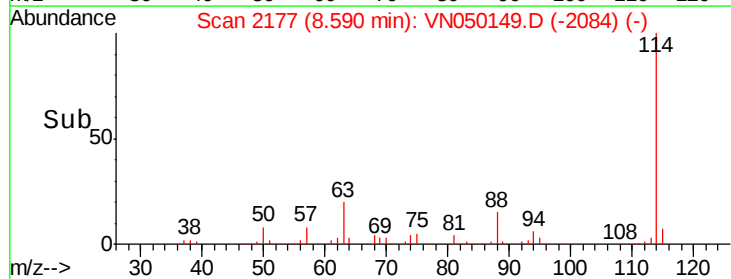
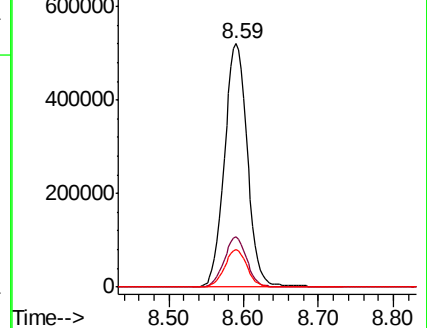
88 15.3 0.0 31.2

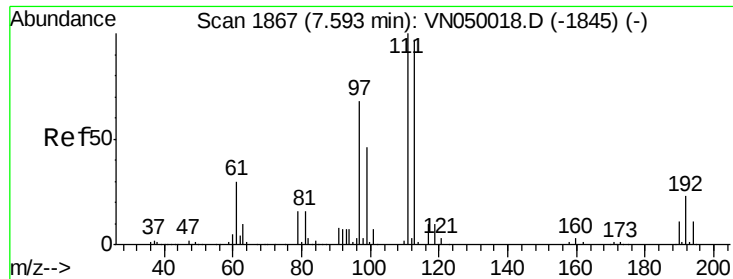


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

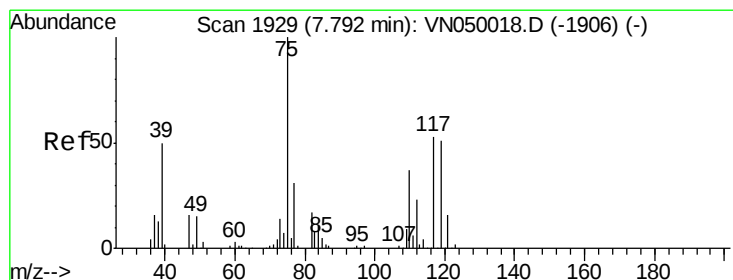
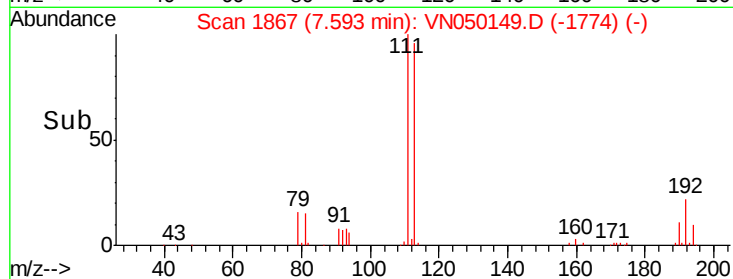
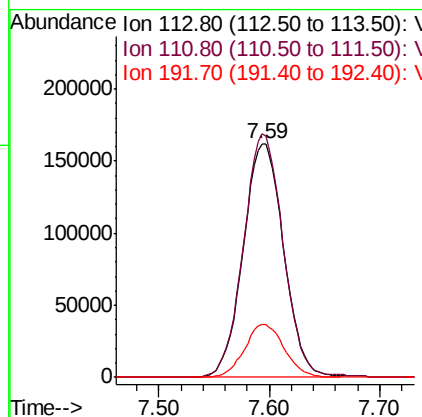
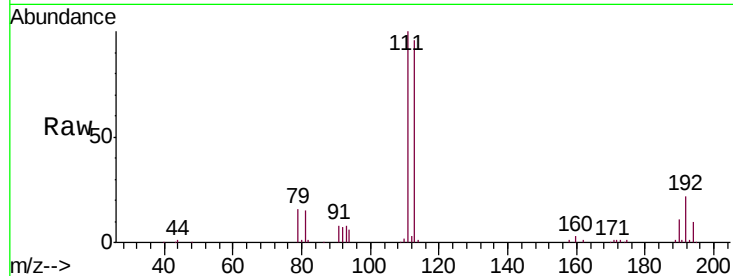




#35  
 Dibromofluoromethane  
 Concen: 45.81 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050149.D  
 Acq: 27 Jul 2018 23:17

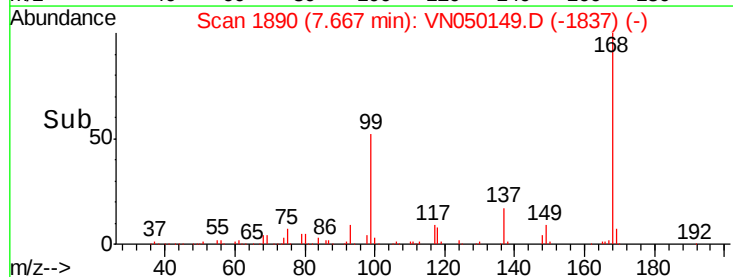
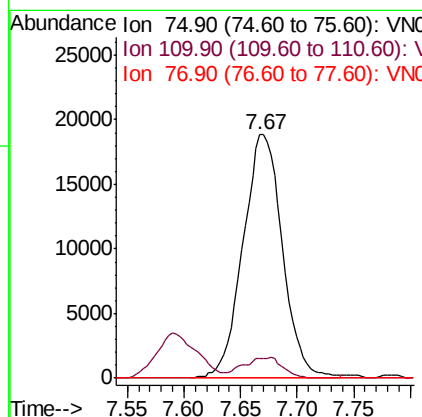
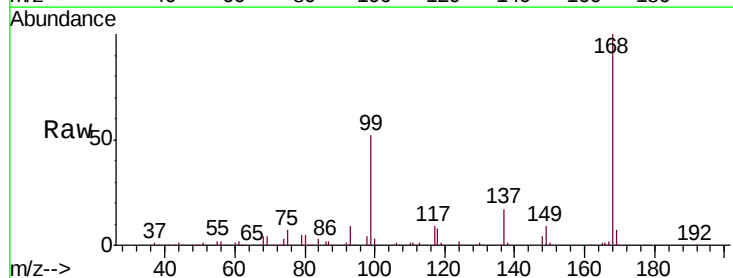
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111513ZHE#09

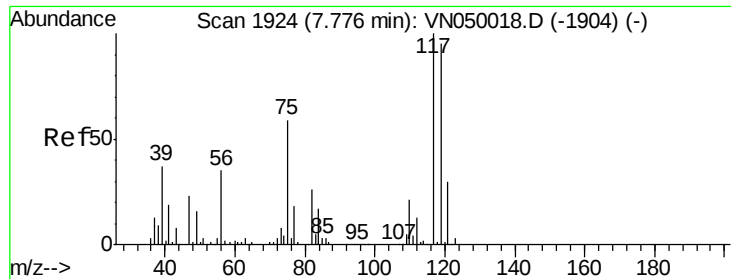
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 80.7  | 121.1 |
| 192     | 22.3  | 17.8  | 26.6  |



#36  
 1,1-Dichloropropene  
 Concen: 3.68 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.13 min  
 Lab File: VN050149.D  
 Acq: 27 Jul 2018 23:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.6   | 18.4  | 55.2# |
| 77      | 0.0   | 25.3  | 37.9# |





#38

Carbon Tetrachloride

Concen: 4.57 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

PB111513ZHE#09

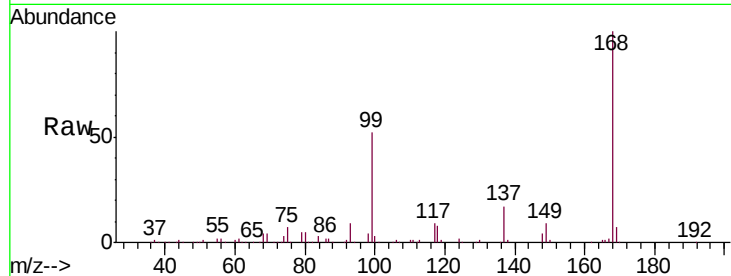
Tot Ion:117 Resp: 60242

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

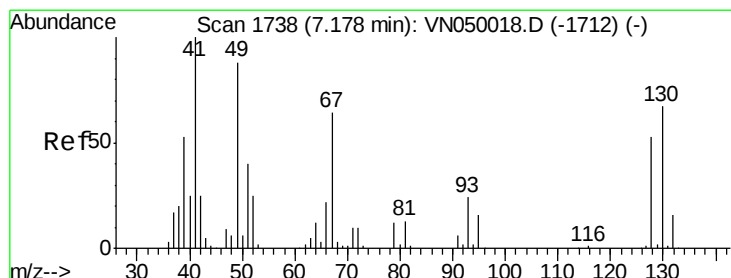
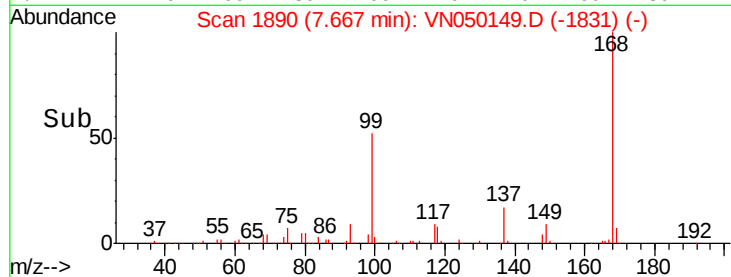
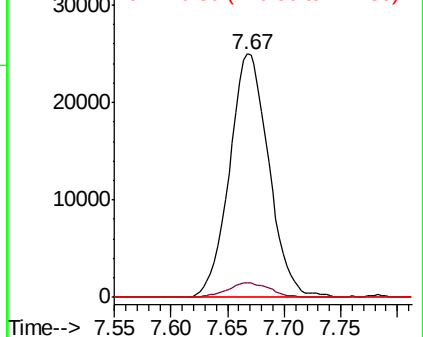
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 2.84 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.04 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Tgt Ion: 41 Resp: 443

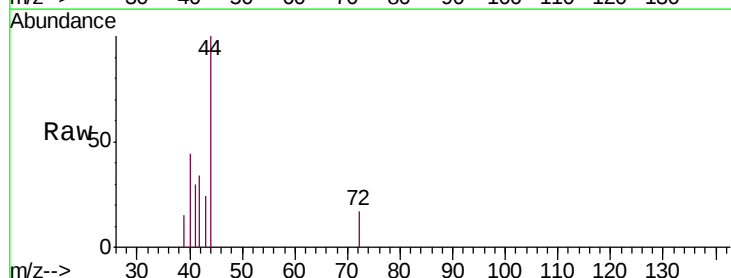
Ion Ratio Lower Upper

41 100

39 54.0 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

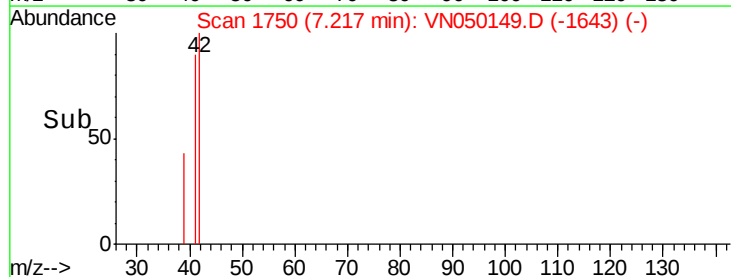
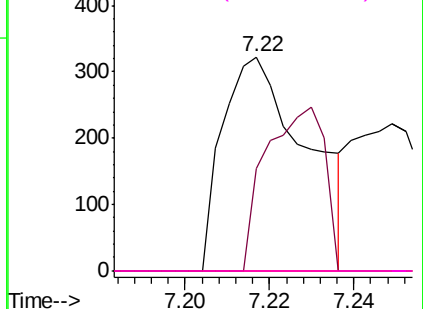


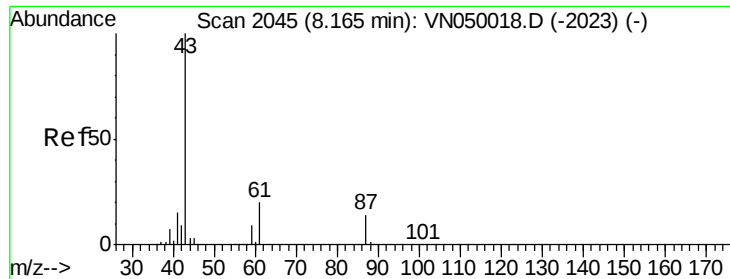
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V



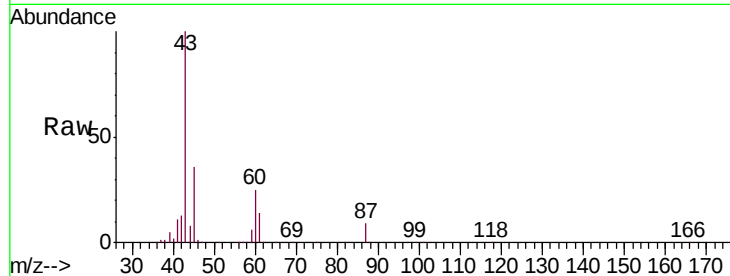


#43

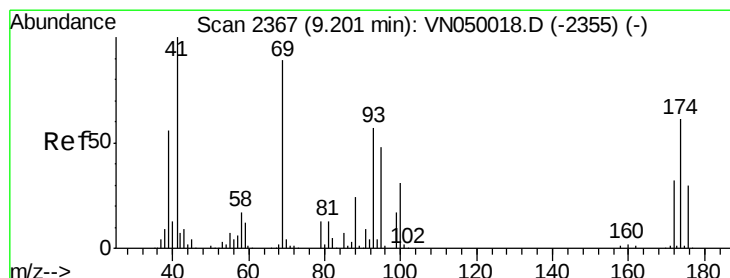
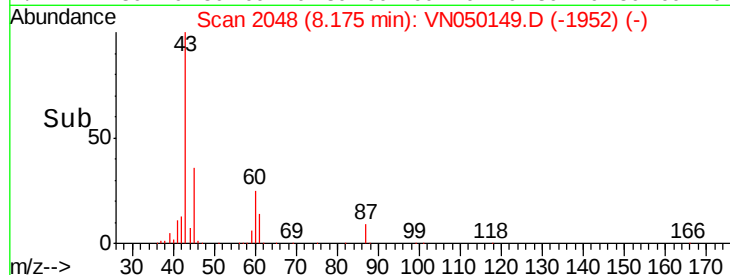
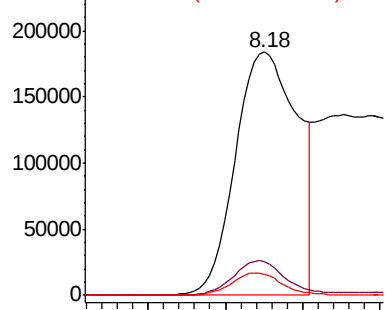
Isopropyl Acetate  
 Concen: 31.00 ug/l  
 RT: 8.18 min Scan# 2048  
 Delta R.T. 0.01 min  
 Lab File: VN050149.D  
 Acq: 27 Jul 2018 23:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111513ZHE#09

Tot Ion: 43 Resp: 513163  
 Ion Ratio Lower Upper  
 43 100  
 61 11.9 15.8 23.6#  
 87 7.6 10.3 15.5#



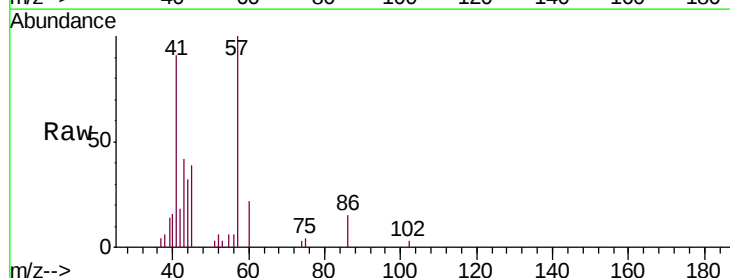
Abundance Ion 43.00 (42.70 to 43.70): VNC  
 Ion 61.00 (60.70 to 61.70): VNC  
 Ion 87.00 (86.70 to 87.70): VNC



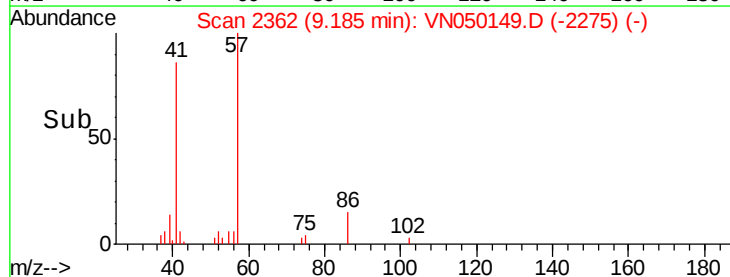
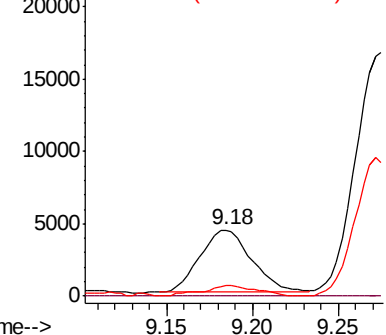
#48

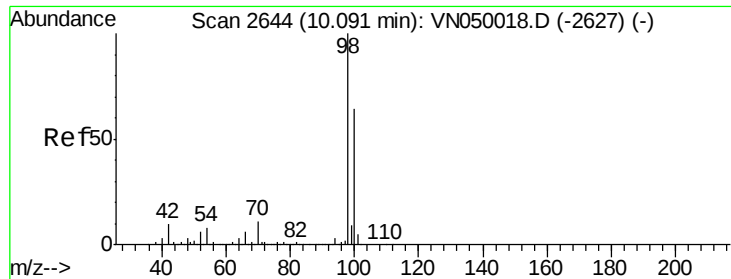
Methyl methacrylate  
 Concen: 1.22 ug/l  
 RT: 9.18 min Scan# 2362  
 Delta R.T. -0.02 min  
 Lab File: VN050149.D  
 Acq: 27 Jul 2018 23:17

Tgt Ion: 41 Resp: 9135  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 70.6 105.8#  
 39 17.5 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VNC  
 Ion 69.00 (68.70 to 69.70): VNC  
 Ion 39.00 (38.70 to 39.70): VNC

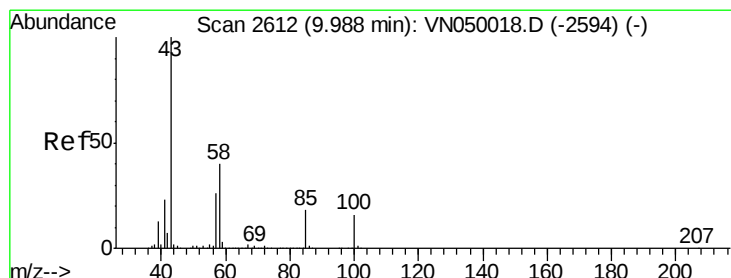
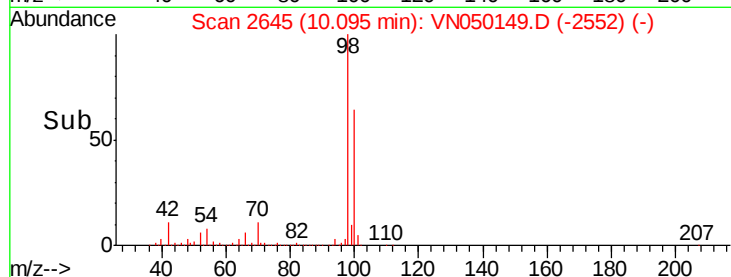
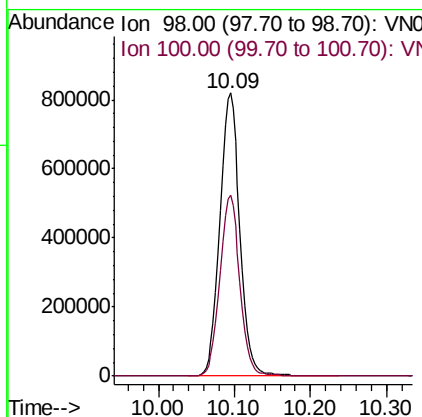
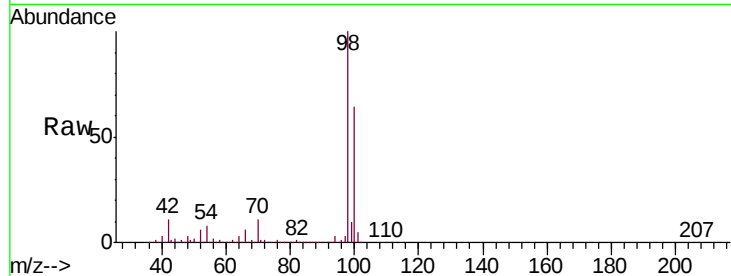




#50  
Toluene-d8  
Concen: 45.33 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN050149.D  
Acq: 27 Jul 2018 23:17

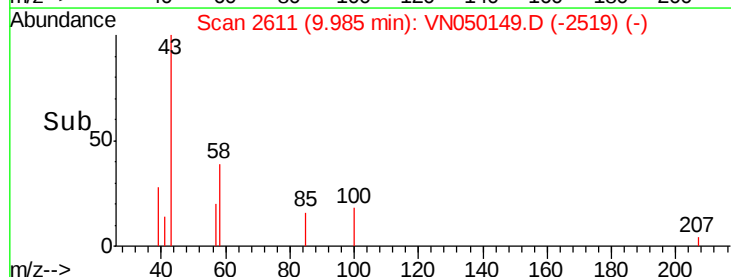
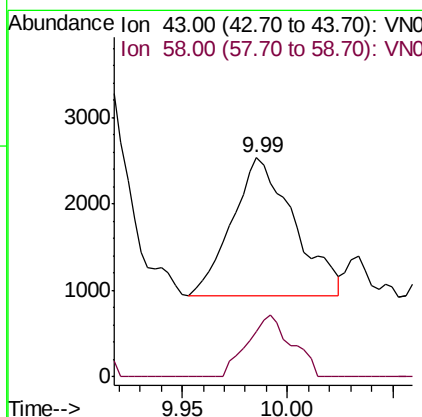
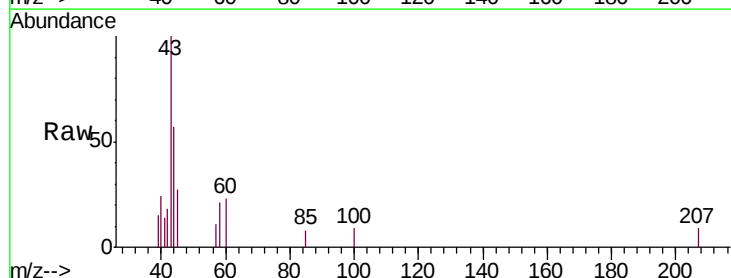
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111513ZHE#09

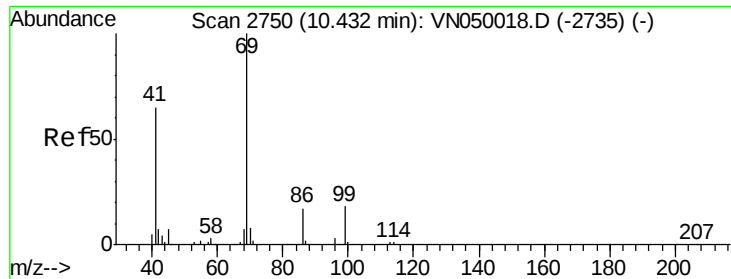
Tot Ion: 98 Resp: 1500506  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.7 76.1



#51  
4-Methyl-2-Pentanone  
Concen: 0.38 ug/l  
RT: 9.99 min Scan# 2611  
Delta R.T. -0.00 min  
Lab File: VN050149.D  
Acq: 27 Jul 2018 23:17

Tgt Ion: 43 Resp: 3233  
Ion Ratio Lower Upper  
43 100  
58 32.0 31.9 47.9





#56

Ethyl methacrylate

Concen: 2.28 ug/l

RT: 10.23 min Scan# 2688

Delta R.T. -0.20 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

PB111513ZHE#09

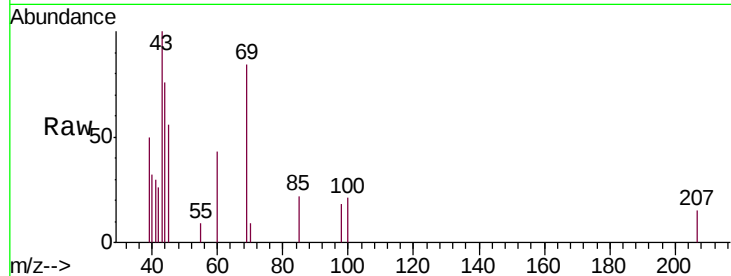
Tot Ion: 69 Resp: 3131

Ion Ratio Lower Upper

69 100

41 39.8 51.0 76.4#

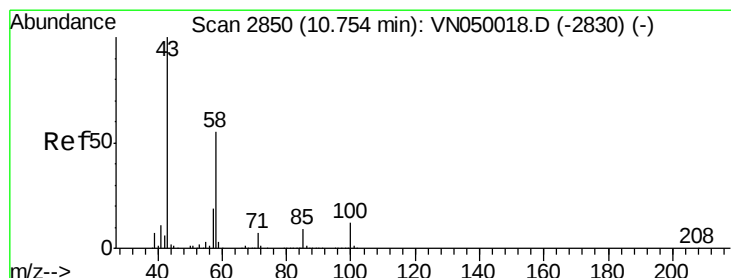
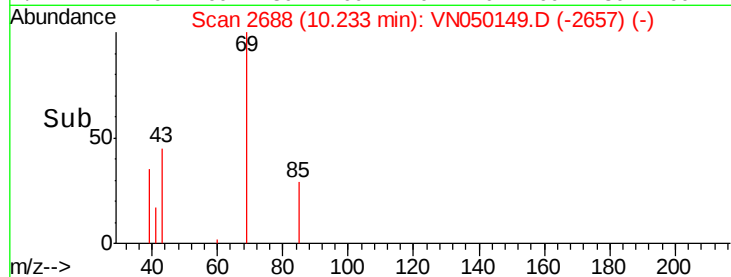
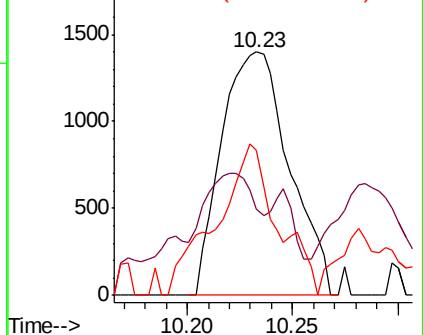
39 56.0 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN050018.D (-2735) (-)

Ion 41.00 (40.70 to 41.70): VN050018.D (-2735) (-)

Ion 39.00 (38.70 to 39.70): VN050018.D (-2735) (-)



#59

2-Hexanone

Concen: 8.99 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050149.D

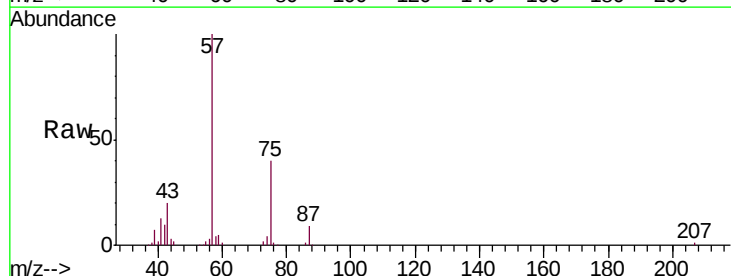
Acq: 27 Jul 2018 23:17

Tgt Ion: 43 Resp: 24360

Ion Ratio Lower Upper

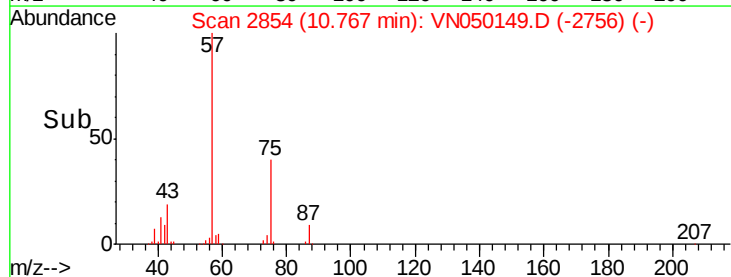
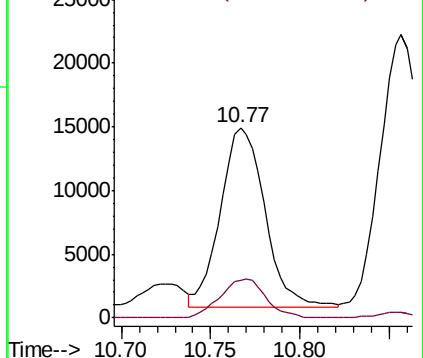
43 100

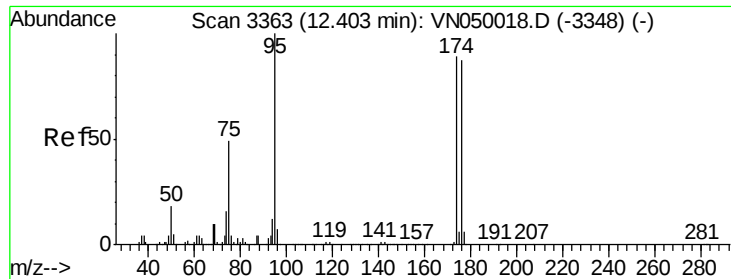
58 22.3 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2830) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2830) (-)

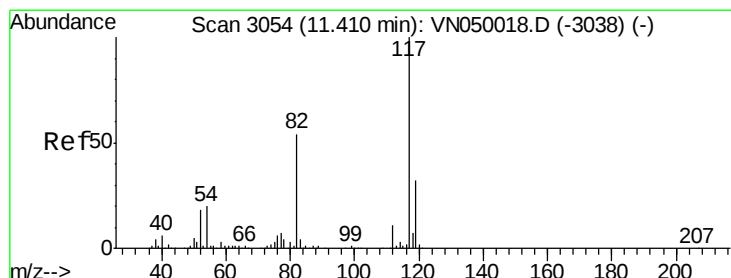
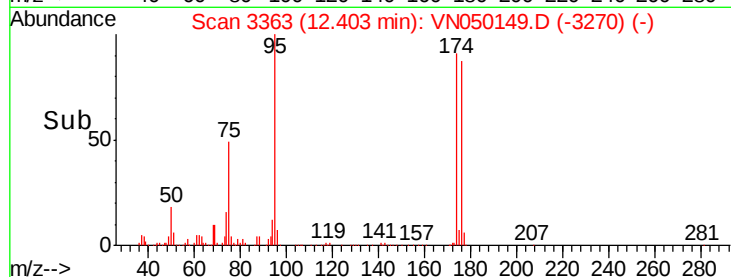
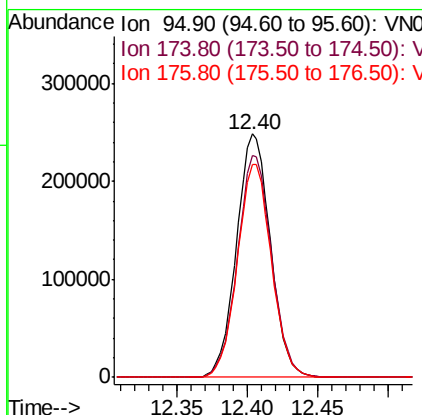
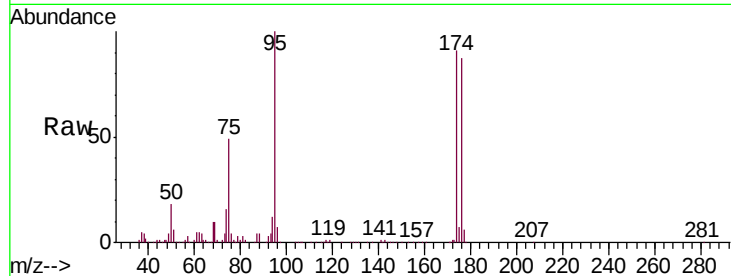




#62  
4-Bromofluorobenzene  
Concen: 38.48 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050149.D  
Acq: 27 Jul 2018 23:17

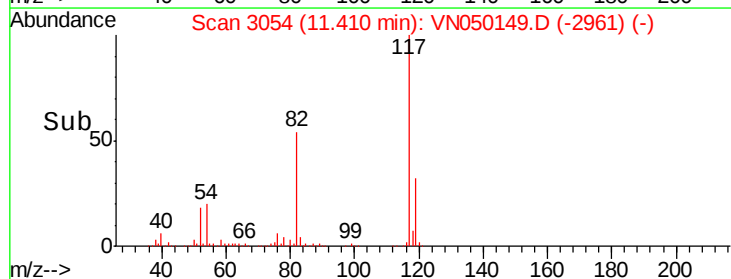
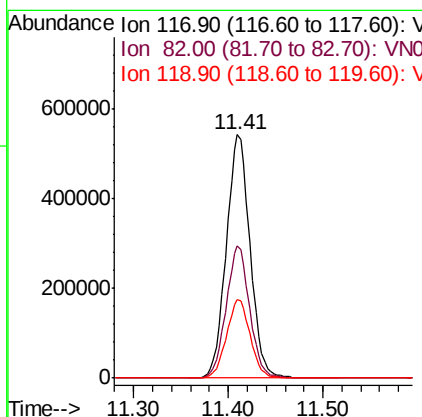
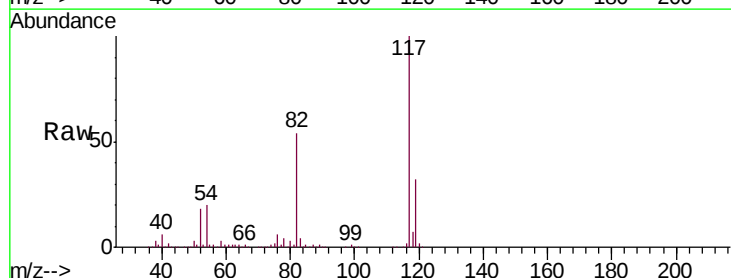
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111513ZHE#09

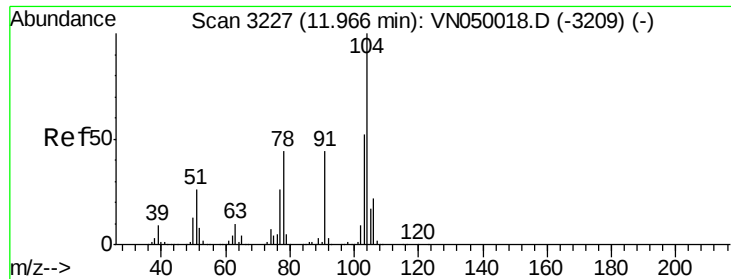
Tot Ion: 95 Resp: 419440  
Ion Ratio Lower Upper  
95 100  
174 91.6 0.0 178.2  
176 87.7 0.0 173.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050149.D  
Acq: 27 Jul 2018 23:17

Tgt Ion: 117 Resp: 943227  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.7 65.5  
119 32.3 26.1 39.1





#70

Stvrene

Concen: 0.94 ug/l

RT: 11.97 min Scan# 3229

Delta R.T. 0.01 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

PB111513ZHE#09

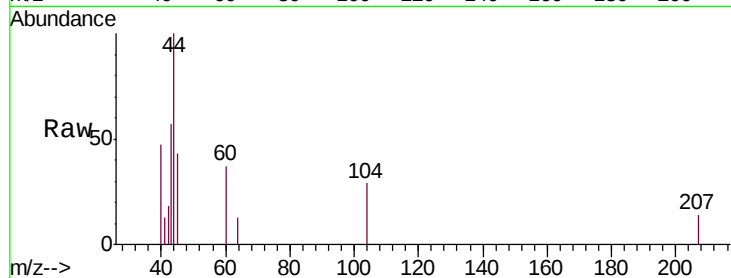
Tot Ion:104 Resp: 467

Ion Ratio Lower Upper

104 100

78 0.0 39.3 58.9#

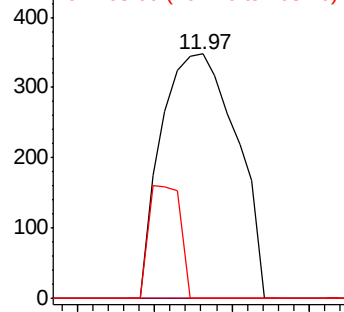
103 19.5 45.0 67.6#



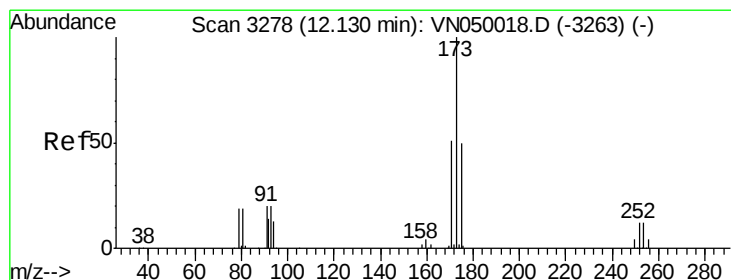
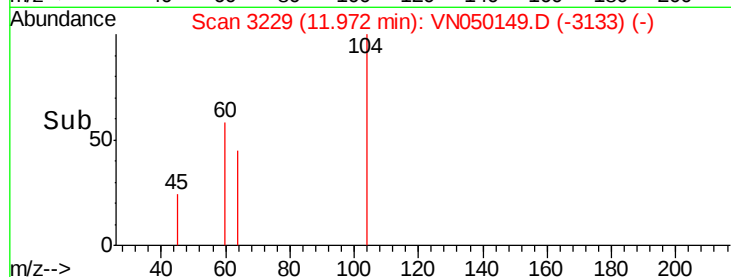
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



Time-->



#71

Bromoform

Concen: 0.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

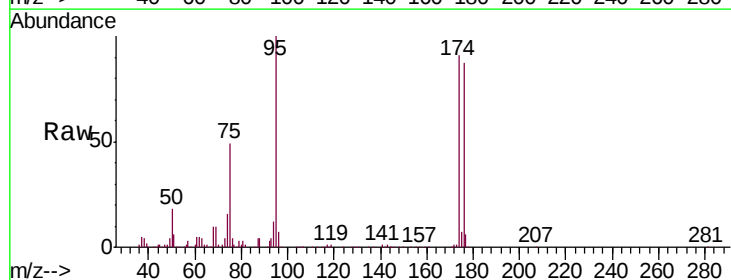
Tgt Ion:173 Resp: 3772

Ion Ratio Lower Upper

173 100

175 668.3 24.1 72.2#

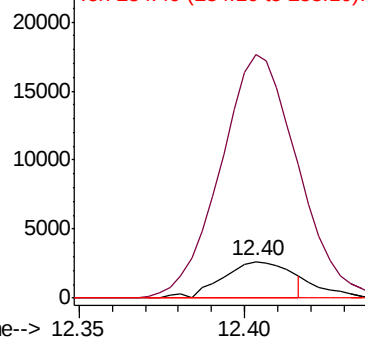
254 0.0 0.2 0.2#



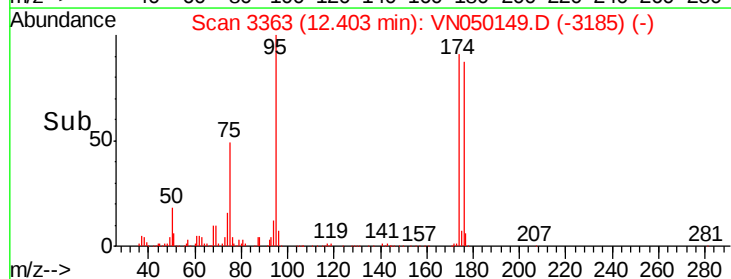
Abundance Ion 172.70 (172.40 to 173.40): V

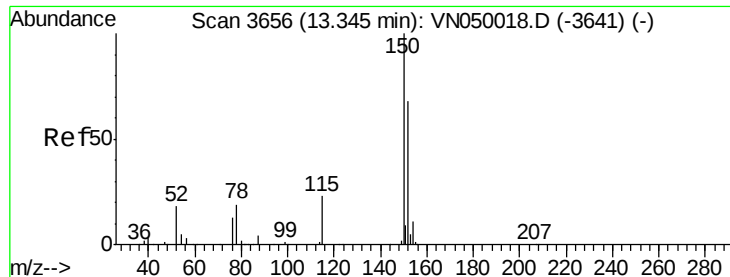
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

PB111513ZHE#09

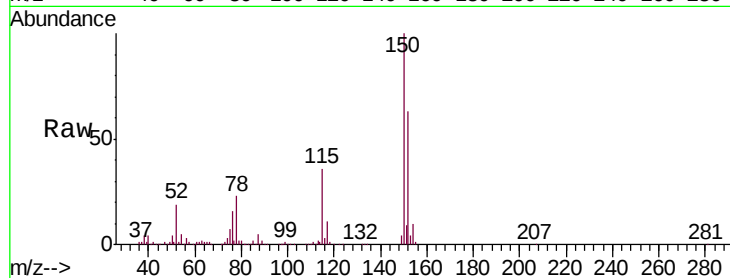
Tot Ion:152 Resp: 339718

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.3

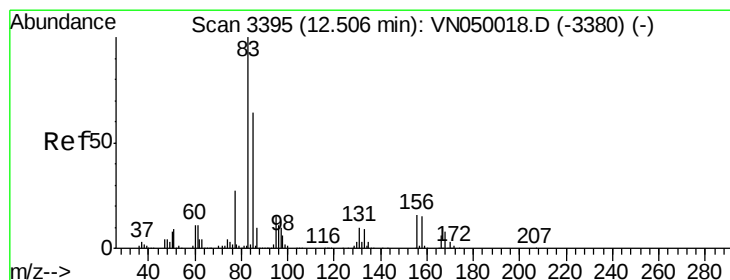
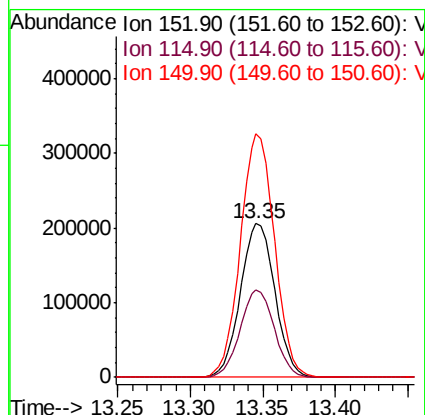
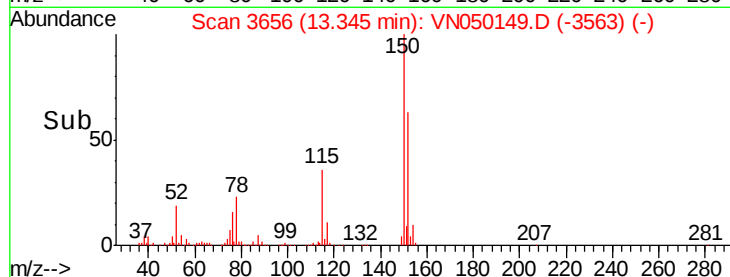
150 156.9 0.0 348.6



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: 12.39 min Scan# 3360

Delta R.T. -0.11 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

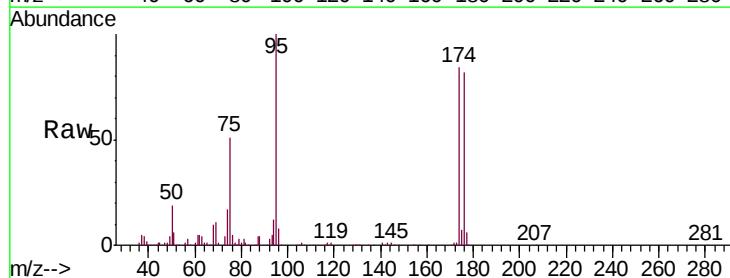
Tgt Ion: 83 Resp: 127

Ion Ratio Lower Upper

83 100

131 232.3 5.1 15.3#

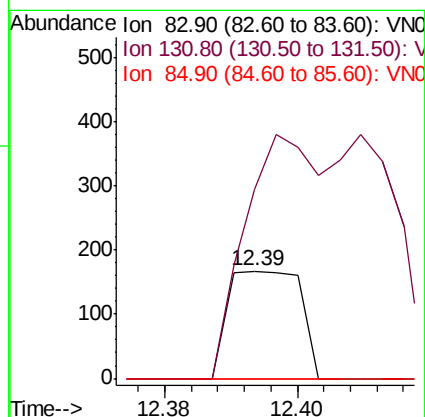
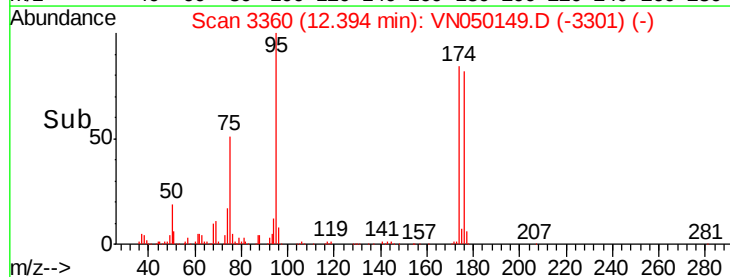
85 0.0 32.3 96.8#

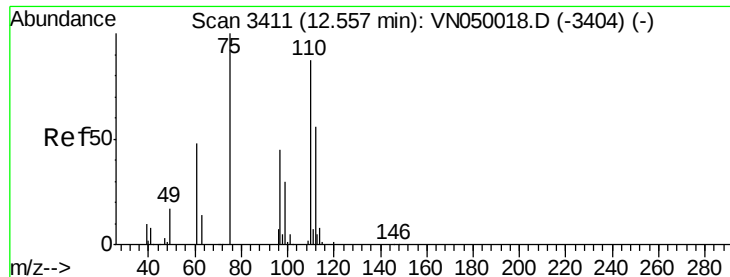


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 32.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

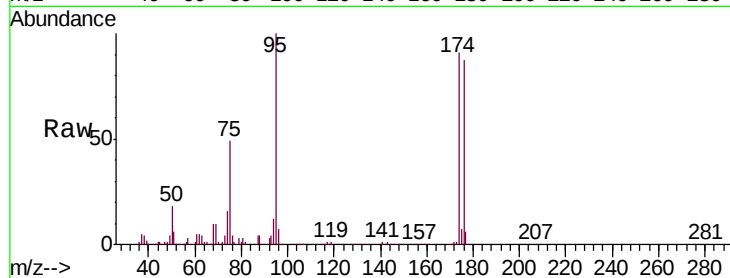
PB111513ZHE#09

Tot Ion: 75 Resp: 205933

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)

12.40

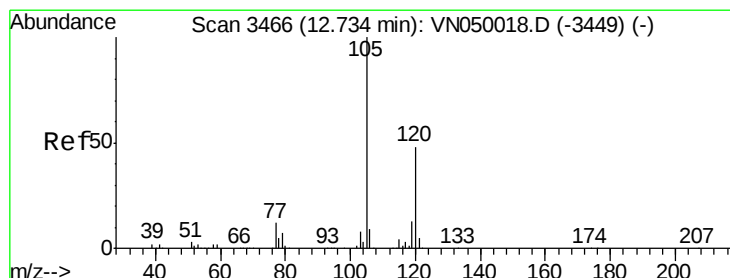
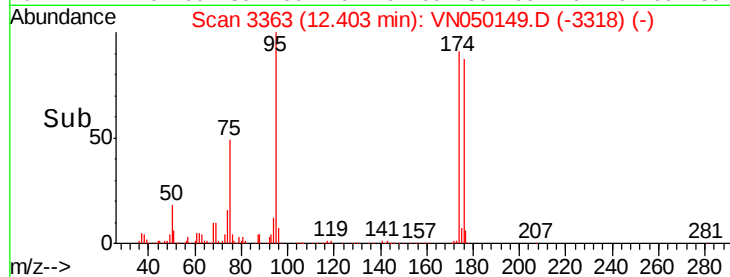
100000

50000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.25 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN050149.D

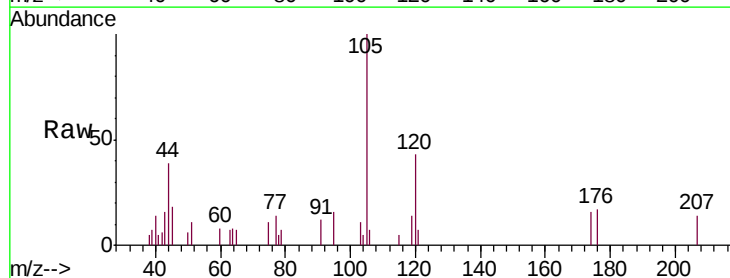
Acq: 27 Jul 2018 23:17

Tgt Ion: 105 Resp: 5259

Ion Ratio Lower Upper

105 100

120 43.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)

12.74

3000

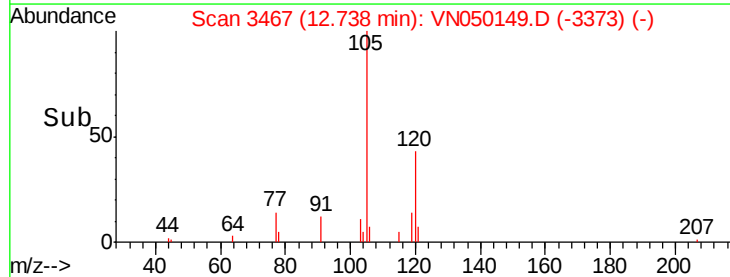
2000

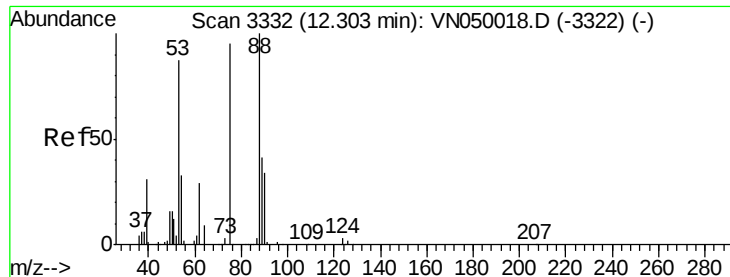
1000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 103.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

Instrument :

MSVOA\_N

ClientSampleId :

PB111513ZHE#09

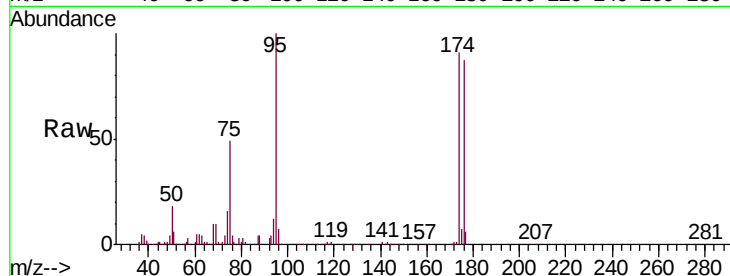
Tot Ion: 75 Resp: 205933

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

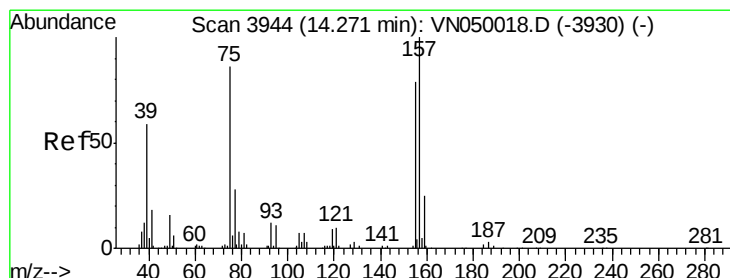
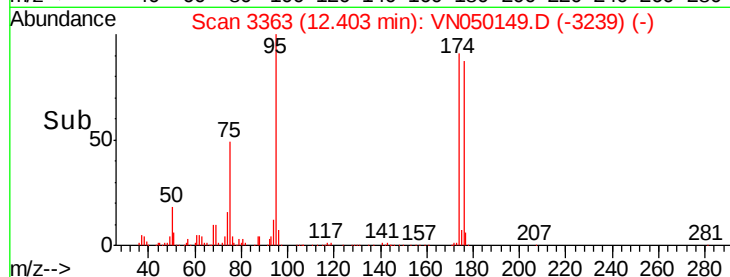
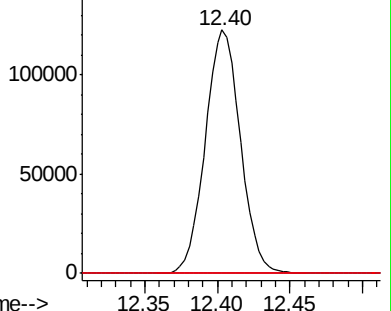
89 0.0 36.0 54.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN050149.D

Acq: 27 Jul 2018 23:17

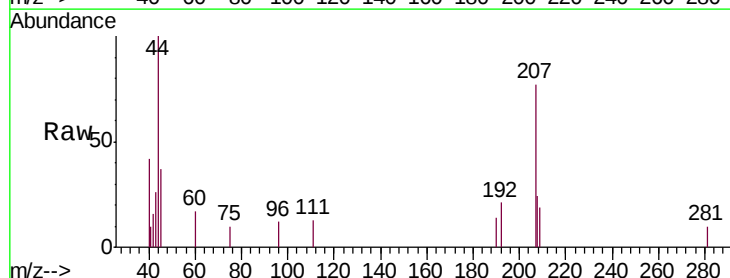
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

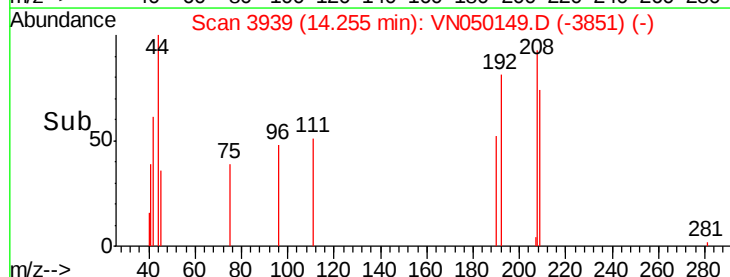
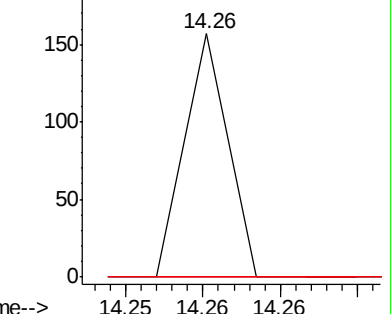
157 0.0 57.2 171.6#

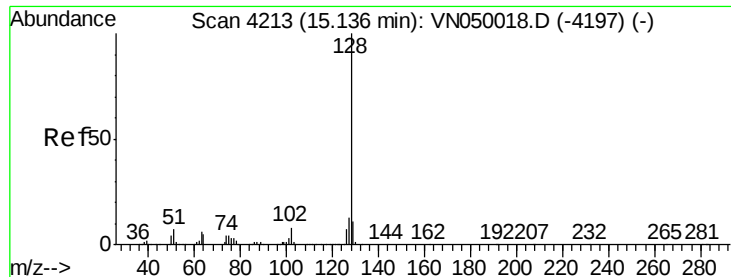


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95  
Naphthalene  
Concen: 4.56 ug/l  
RT: 15.14 min Scan# 4214  
Delta R.T. 0.00 min  
Lab File: VN050149.D  
Acq: 27 Jul 2018 23:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111513ZHE#09

Tot Ion:128 Resp: 2408  
Ion Ratio Lower Upper  
128 100  
127 7.6 10.4 15.6#  
129 2.9 8.8 13.2#

