

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\  
 Data File : VN060367.D  
 Acq On : 5 Mar 2020 15:39  
 Operator : JC/MD  
 Sample : VN0305MBSD01  
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0305MBSD01

Quant Time: Mar 06 00:46:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 183153   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 301913   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 277364   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 131730   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 121885   | 51.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.74% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 84309    | 60.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 120.32% |          |
| 50) Toluene-d8              | 10.08 | 98   | 341599   | 48.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.32%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 127996   | 47.61 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.22%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 27555    | 16.409 | ug/l   | 100    |
| 3) Chloromethane              | 2.04 | 50   | 49360    | 16.883 | ug/l   | 96     |
| 4) Vinyl Chloride             | 2.16 | 62   | 41275    | 16.462 | ug/l   | 98     |
| 5) Bromomethane               | 2.55 | 94   | 15189    | 13.285 | ug/l   | 96     |
| 6) Chloroethane               | 2.69 | 64   | 22258    | 16.384 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.00 | 101  | 53476    | 16.693 | ug/l   | 98     |
| 8) Diethyl Ether              | 3.38 | 74   | 22137    | 18.302 | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101  | 31144    | 17.178 | ug/l   | 99     |
| 10) Methyl Iodide             | 3.93 | 142  | 27233    | 16.459 | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.72 | 59   | 19262    | 55.204 | ug/l # | 88     |
| 12) 1,1-Dichloroethene        | 3.72 | 96   | 30894    | 17.507 | ug/l   | 97     |
| 13) Acrolein                  | 3.58 | 56   | 29661    | 91.120 | ug/l   | 99     |
| 14) Allyl chloride            | 4.29 | 41   | 57397    | 17.691 | ug/l   | 98     |
| 15) Acrylonitrile             | 4.94 | 53   | 89462    | 97.273 | ug/l   | 100    |
| 16) Acetone                   | 3.78 | 43   | 66910    | 88.173 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.03 | 76   | 78003    | 16.229 | ug/l   | 98     |
| 18) Methyl Acetate            | 4.28 | 43   | 46473    | 18.351 | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73   | 123891   | 19.393 | ug/l   | 98     |
| 20) Methylene Chloride        | 4.52 | 84   | 36999    | 17.754 | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96   | 33662    | 17.529 | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.91 | 45   | 126950   | 19.318 | ug/l   | 97     |
| 23) Vinyl Acetate             | 5.86 | 43   | 511588   | 97.967 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63   | 68799    | 18.494 | ug/l   | 98     |
| 25) 2-Butanone                | 6.80 | 43   | 112886   | 92.098 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77   | 59854    | 17.674 | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96   | 42167    | 17.449 | ug/l   | 100    |
| 28) Bromochloromethane        | 7.17 | 49   | 30336    | 19.862 | ug/l   | 95     |
| 29) Tetrahydrofuran           | 7.18 | 42   | 78914    | 92.585 | ug/l   | 100    |
| 30) Chloroform                | 7.35 | 83   | 69612    | 18.798 | ug/l   | 98     |
| 31) Cyclohexane               | 7.63 | 56   | 59448    | 17.865 | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97   | 59622    | 18.172 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75   | 49397    | 17.167 | ug/l   | 100    |
| 37) Ethyl Acetate             | 6.90 | 43   | 53220    | 19.534 | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117  | 48245    | 17.221 | ug/l   | 97     |

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 Data File : VN060367.D  
 Acq On : 5 Mar 2020 15:39  
 Operator : JC/MD  
 Sample : VN0305MBSD01  
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0305MBSD01

Quant Time: Mar 06 00:46:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 9.07  | 83   | 53051    | 15.637  | ug/l   | 96       |
| 40) Benzene                    | 8.02  | 78   | 150470   | 17.967  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 75848    | 60.292  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 58518    | 19.363  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 94383    | 19.788  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 41726    | 17.889  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 43269    | 19.761  | ug/l   | 99       |
| 46) Dibromomethane             | 9.19  | 93   | 26831    | 18.885  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 55953    | 19.364  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.18  | 41   | 40460    | 18.602  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 5164     | 168.828 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 263881   | 97.576  | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 95184    | 18.093  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 63734    | 18.000  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 68477    | 18.664  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 39463    | 18.654  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 57677    | 18.977  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 67689    | 19.619  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 150770   | 94.848  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 183977   | 92.655  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.89 | 129  | 40690    | 18.913  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 38481    | 18.659  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.62 | 164  | 42683    | 18.659  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 98657    | 17.615  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 38141    | 18.418  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 183281   | 17.970  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 134655   | 34.992  | ug/l   | 99       |
| 69) o-Xylene                   | 11.94 | 106  | 66851    | 18.218  | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 105600   | 17.503  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 28509    | 19.102  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 176197   | 18.046  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 80110    | 18.777  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 51427    | 19.377  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 74671    | 25.836  | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 43655    | 18.240  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 201714   | 17.625  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 121165   | 18.010  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 145221   | 17.666  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 19342    | 18.474  | ug/l # | 82       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 125184   | 17.661  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 122263   | 17.178  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 146503   | 17.657  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 158489   | 16.629  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 144604   | 16.392  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 76814    | 18.559  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 78056    | 18.874  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 128821   | 15.908  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 19286    | 15.104  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 76183    | 18.166  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 11228    | 18.682  | ug/l   | 94       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN030520\  
Data File : VN060367.D  
Acq On : 5 Mar 2020 15:39  
Operator : JC/MD  
Sample : VN0305MBSD01  
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 12 Sample Multiplier: 1

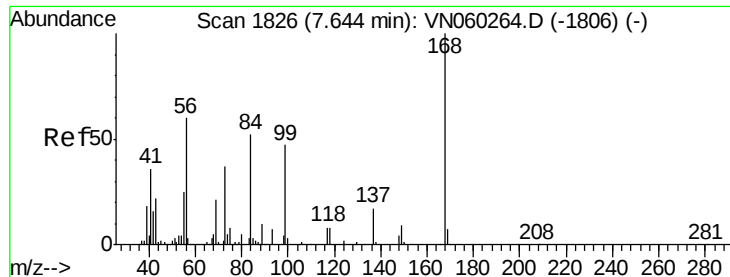
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBSD01

Quant Time: Mar 06 00:46:11 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 27 13:52:50 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 46221    | 17.403 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 19864    | 15.826 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 143009   | 18.047 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 45582    | 18.047 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

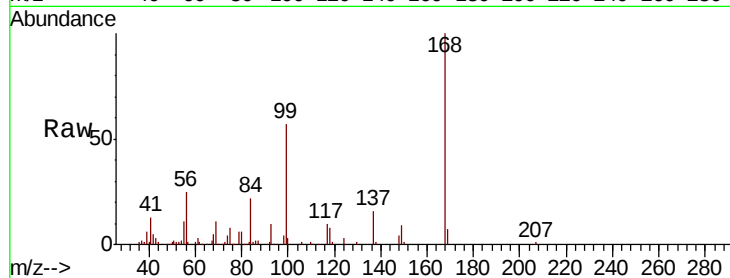
VN0305MBSD01

Tot Ion:168 Resp: 183153

Ion Ratio Lower Upper

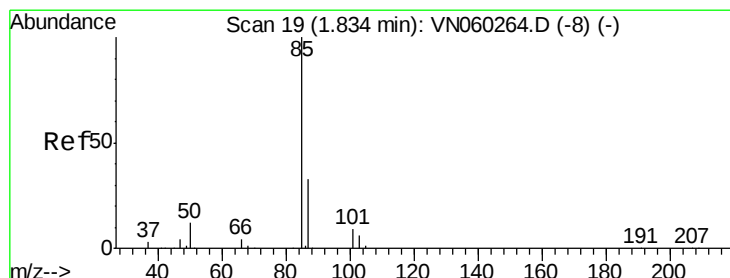
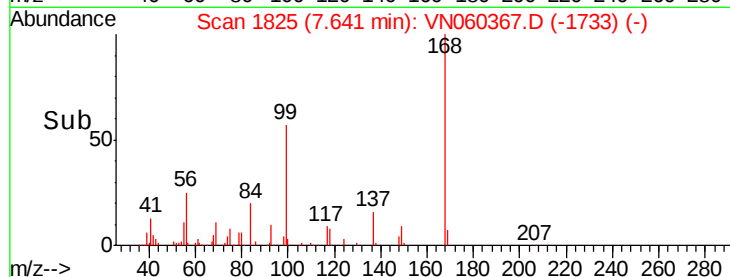
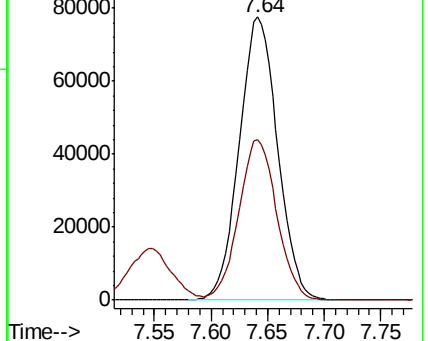
168 100

99 56.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.409 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060367.D

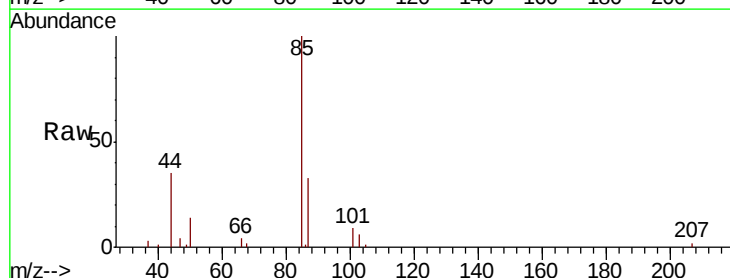
Acq: 5 Mar 2020 15:39

Tgt Ion: 85 Resp: 27555

Ion Ratio Lower Upper

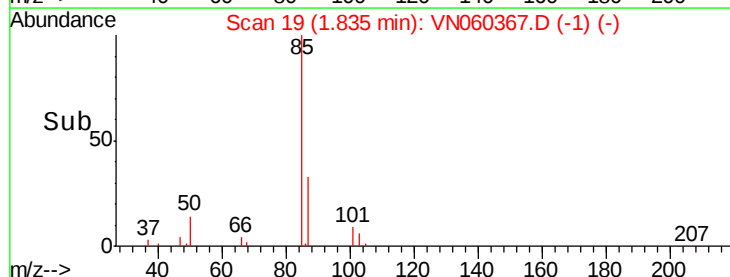
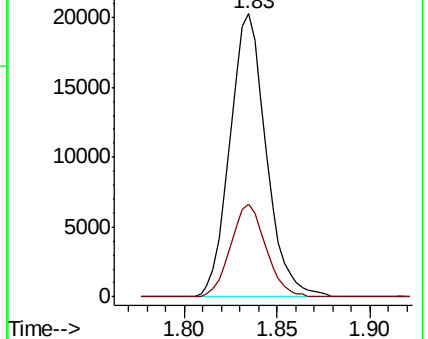
85 100

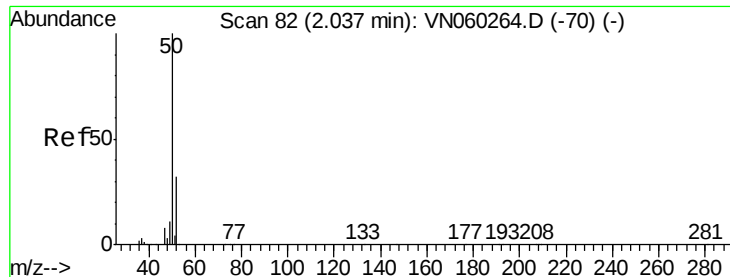
87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.883 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

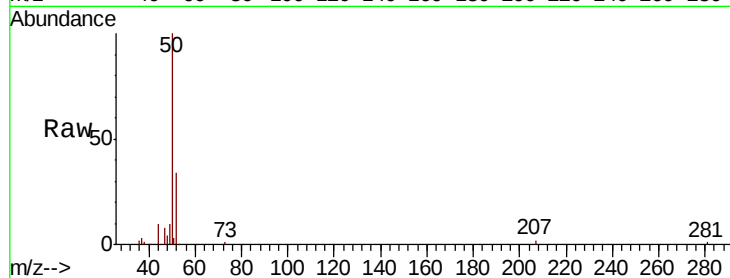
VN0305MBSD01

Tot Ion: 50 Resp: 49360

Ion Ratio Lower Upper

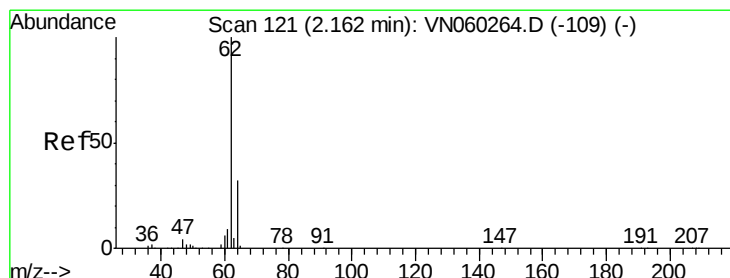
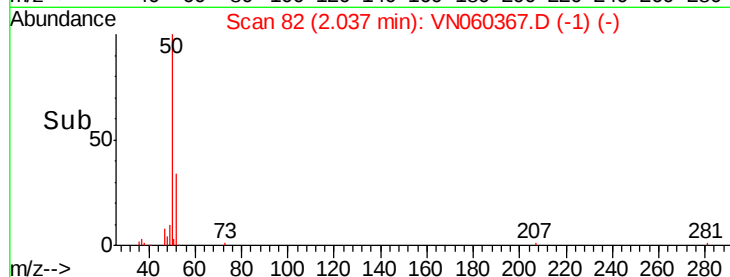
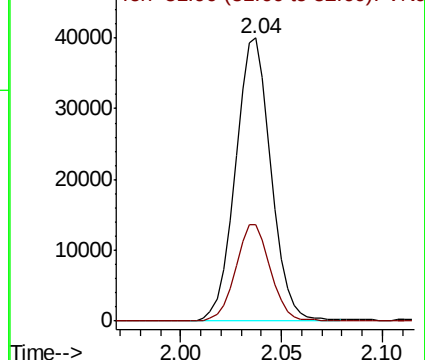
50 100

52 34.0 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.462 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060367.D

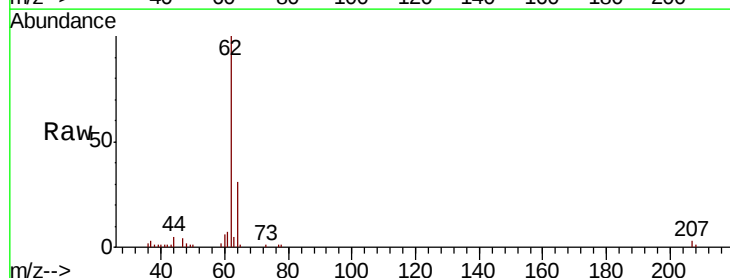
Acq: 5 Mar 2020 15:39

Tgt Ion: 62 Resp: 41275

Ion Ratio Lower Upper

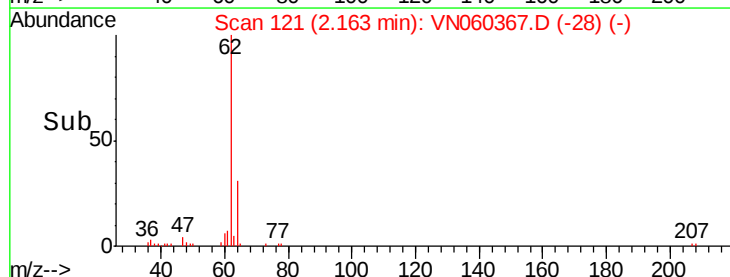
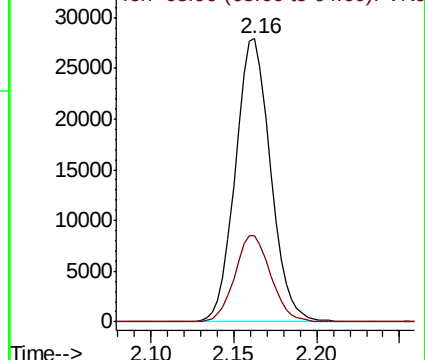
62 100

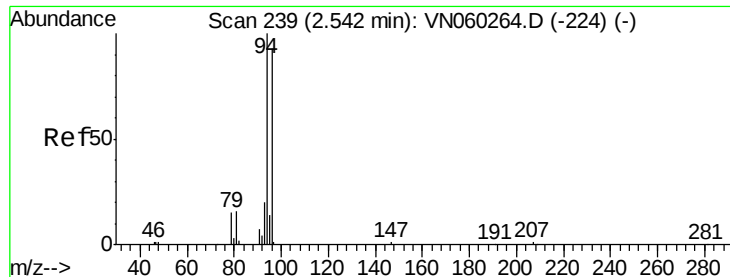
64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 13.285 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

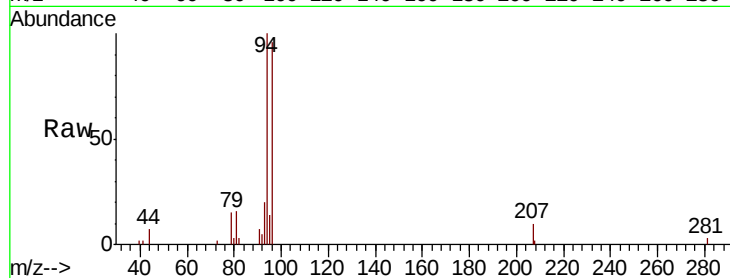
VN0305MBSD01

Tot Ion: 94 Resp: 15189

Ion Ratio Lower Upper

94 100

96 96.3 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

8000

6000

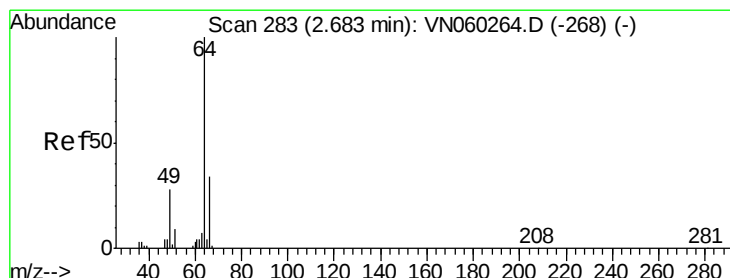
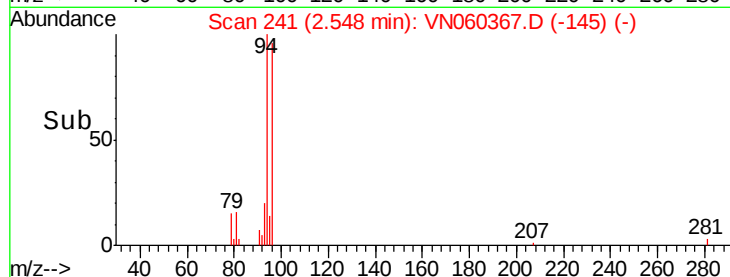
4000

2000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 16.384 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060367.D

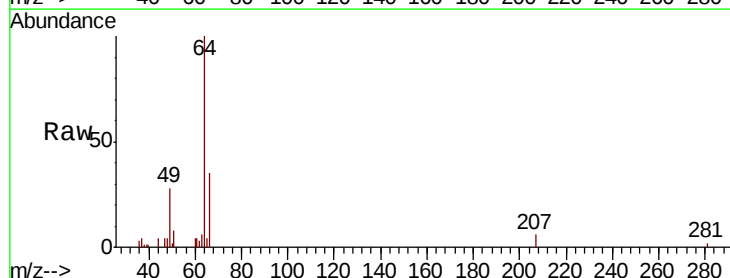
Acq: 5 Mar 2020 15:39

Tgt Ion: 64 Resp: 22258

Ion Ratio Lower Upper

64 100

66 34.7 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

12000

10000

8000

6000

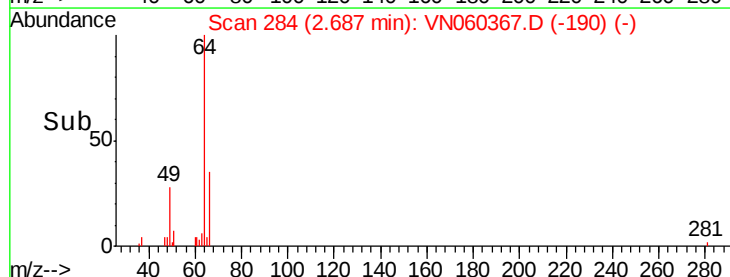
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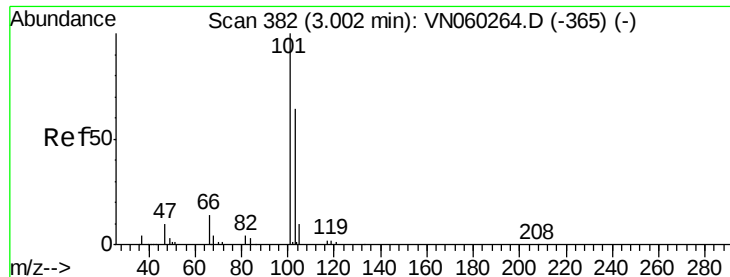
2000

0

Time-->

2.60 2.65 2.70 2.75



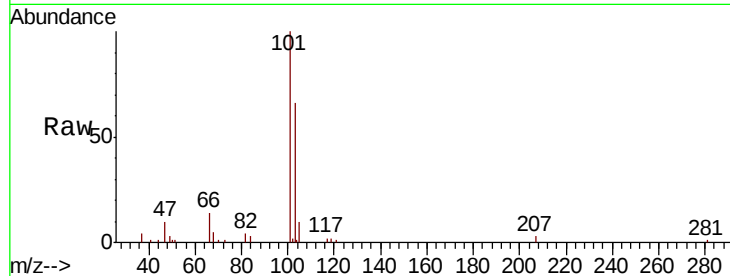


#7

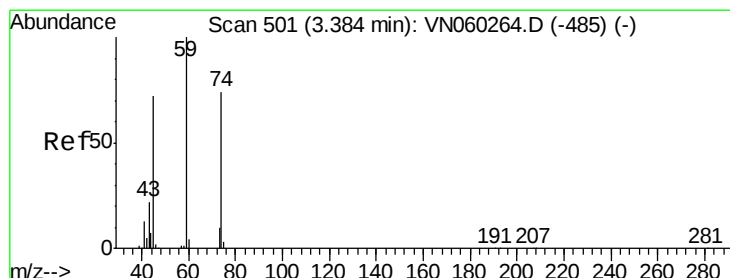
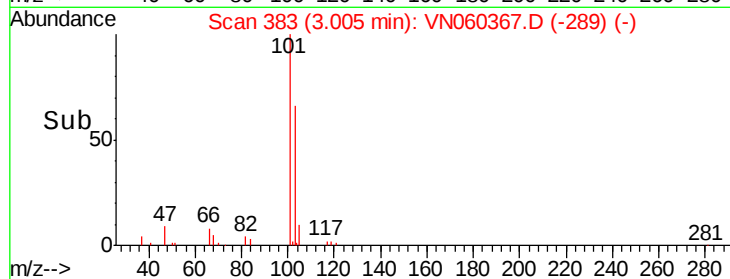
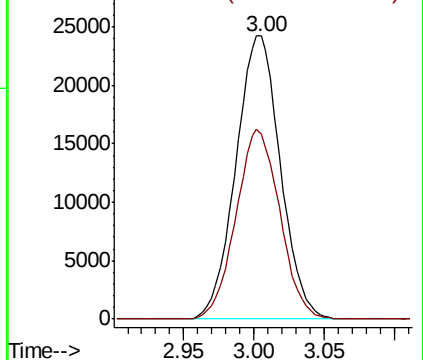
Trichlorofluoromethane  
Concen: 16.693 ug/l  
RT: 3.00 min Scan# 383  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBSD01

Tot Ion:101 Resp: 53476  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.3 76.9



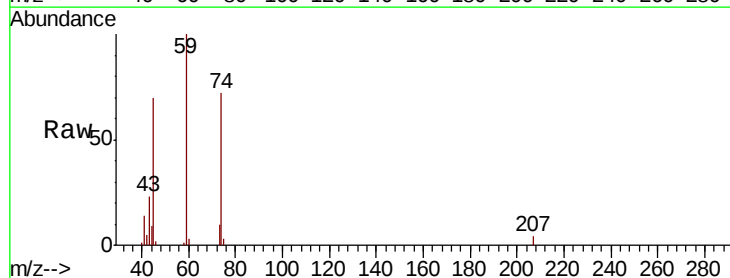
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



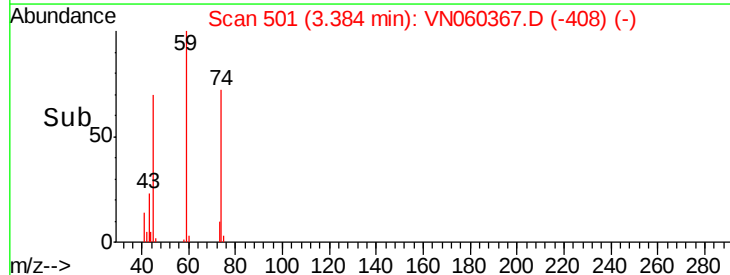
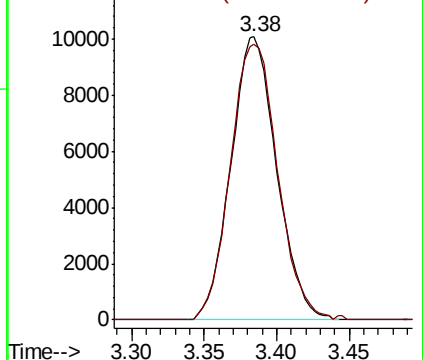
#8

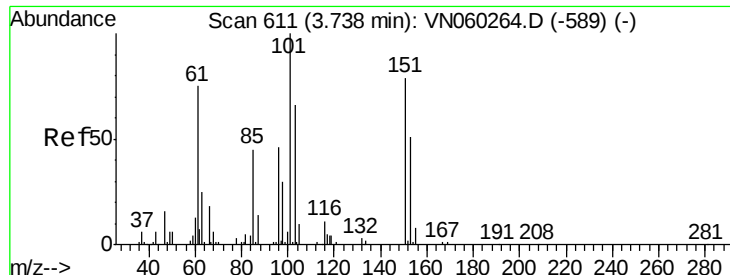
Diethyl Ether  
Concen: 18.302 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Tgt Ion: 74 Resp: 22137  
Ion Ratio Lower Upper  
74 100  
45 100.7 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VNO  
Ion 45.00 (44.70 to 45.70): VNO

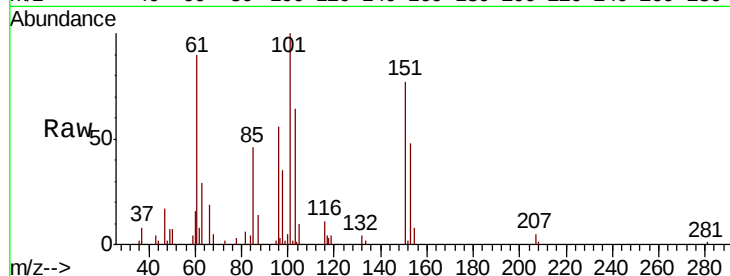




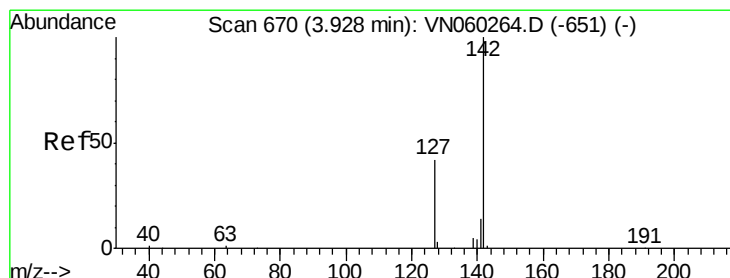
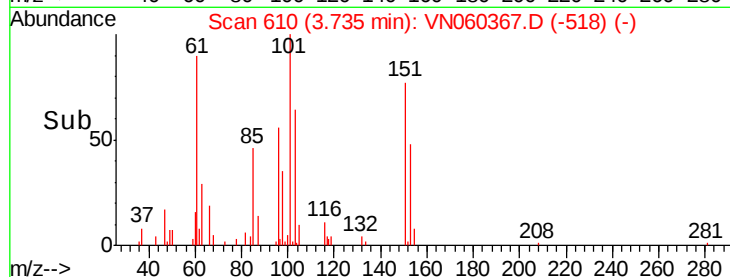
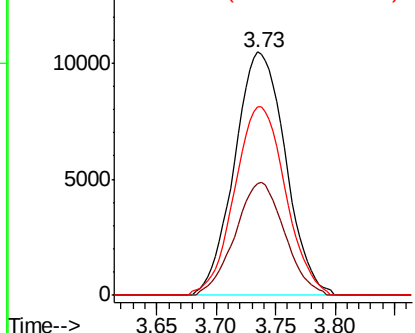
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 17.178 ug/l  
 RT: 3.73 min Scan# 610  
 Delta R.T. -0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0305MBSD01

Tot Ion:101 Resp: 31144  
 Ion Ratio Lower Upper  
 101 100  
 85 44.9 35.4 53.2  
 151 77.3 62.0 93.0

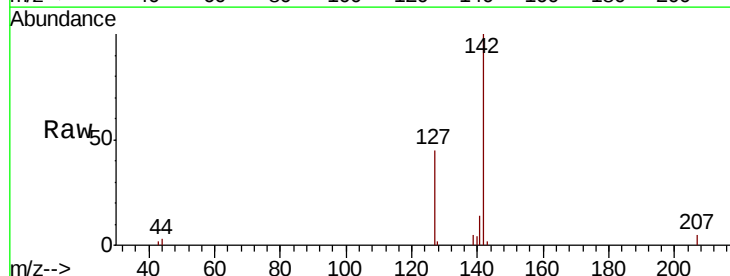


Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 84.90 (84.60 to 85.60): V  
 Ion 150.80 (150.50 to 151.50): V

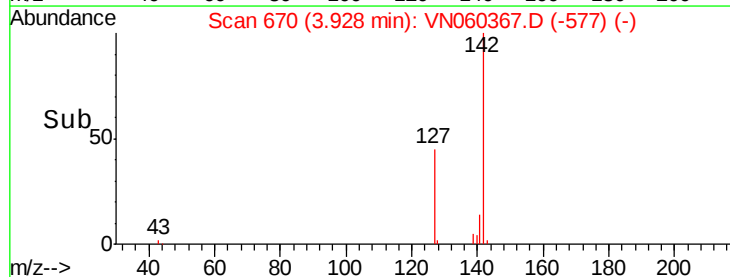
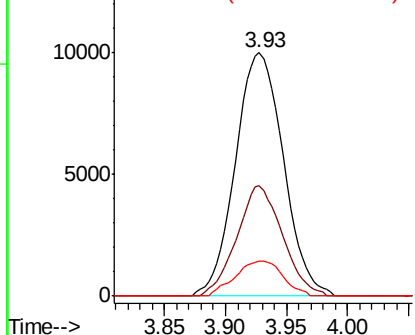


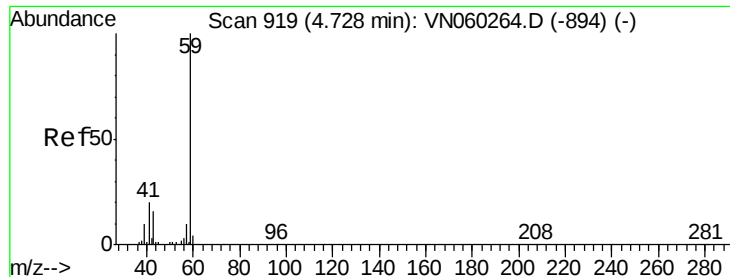
#10  
 Methyl Iodide  
 Concen: 16.459 ug/l  
 RT: 3.93 min Scan# 670  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

Tgt Ion:142 Resp: 27233  
 Ion Ratio Lower Upper  
 142 100  
 127 43.0 33.8 50.6  
 141 14.3 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V  
 Ion 126.80 (126.50 to 127.50): V  
 Ion 140.80 (140.50 to 141.50): V



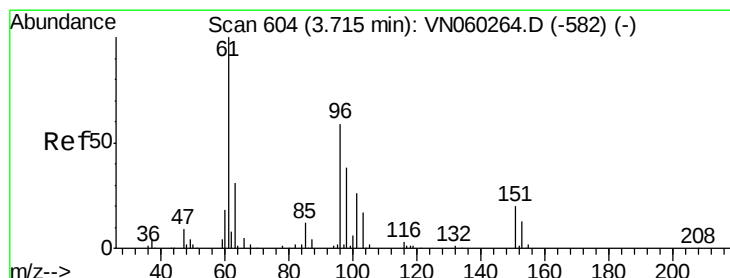
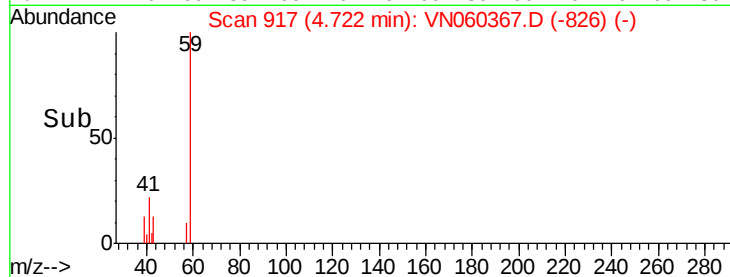
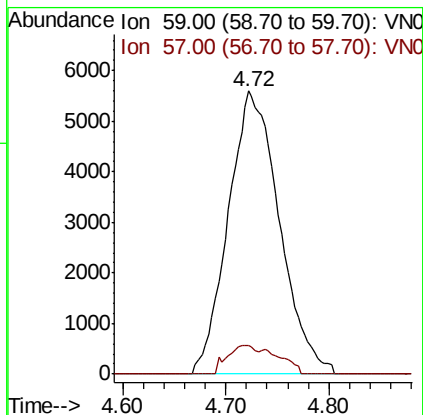
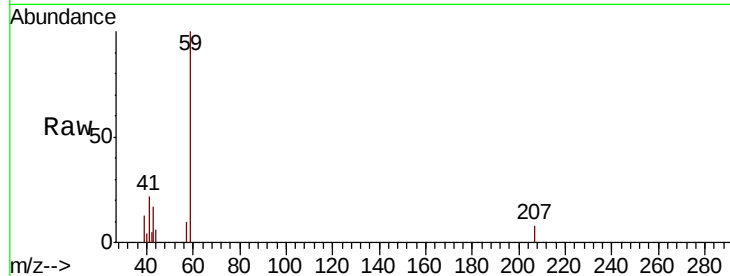


#11

Tert butyl alcohol  
 Concen: 55.204 ug/l  
 RT: 4.72 min Scan# 917  
 Delta R.T. -0.01 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0305MBSD01

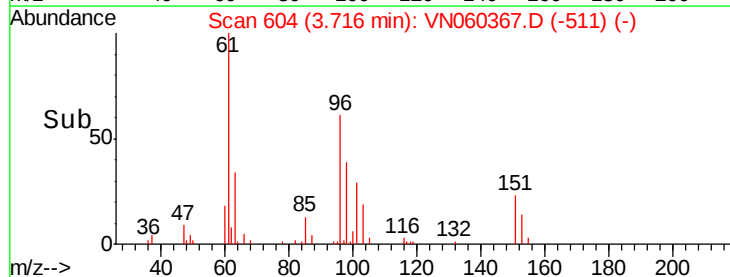
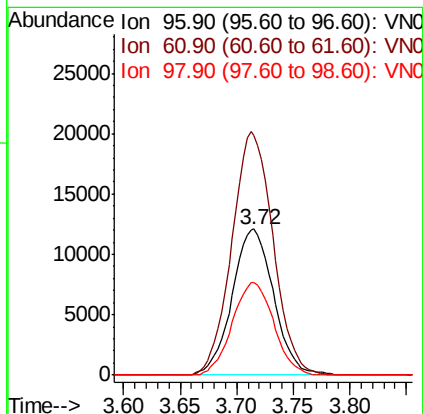
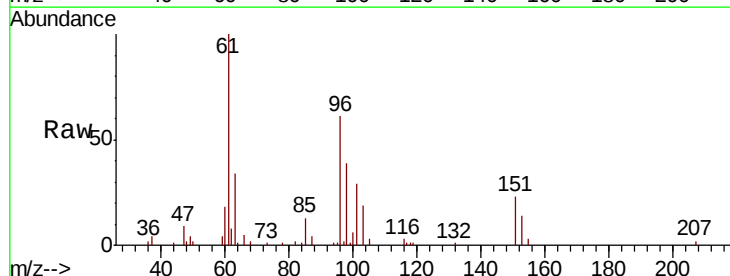
Tot Ion: 59 Resp: 19262  
 Ion Ratio Lower Upper  
 59 100  
 57 5.9 8.2 12.2#

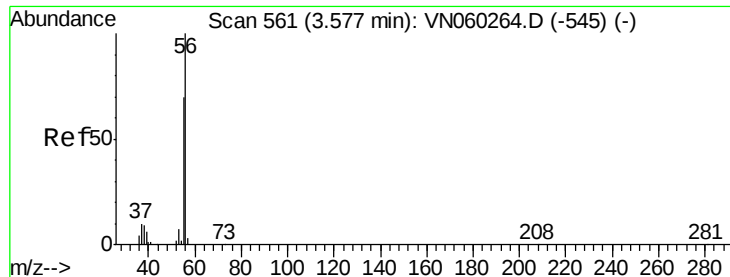


#12

1,1-Dichloroethene  
 Concen: 17.507 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

Tgt Ion: 96 Resp: 30894  
 Ion Ratio Lower Upper  
 96 100  
 61 164.3 135.4 203.0  
 98 63.6 51.6 77.4





#13

Acrolein

Concen: 91.120 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

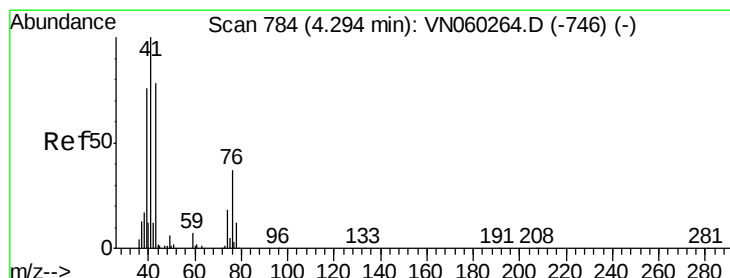
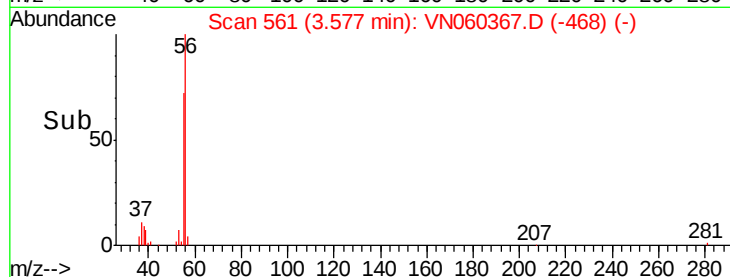
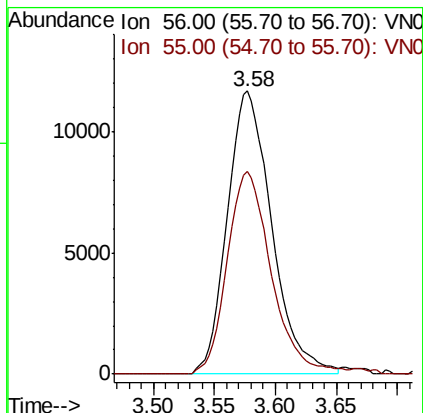
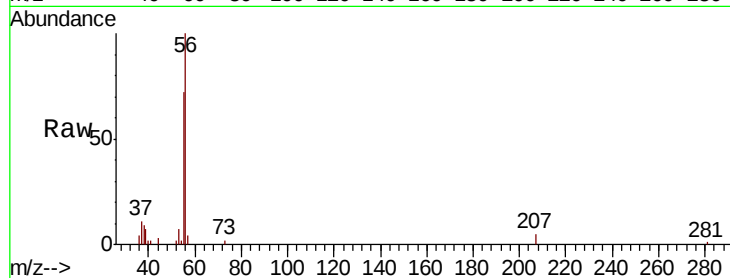
VN0305MBSD01

Tot Ion: 56 Resp: 29661

Ion Ratio Lower Upper

56 100

55 70.8 57.4 86.0



#14

Allyl chloride

Concen: 17.691 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

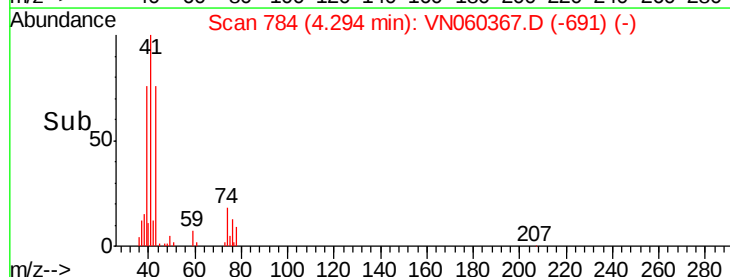
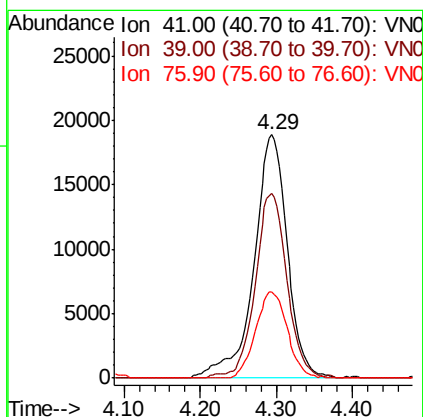
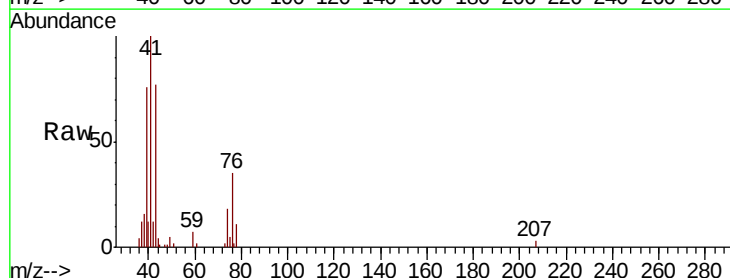
Tgt Ion: 41 Resp: 57397

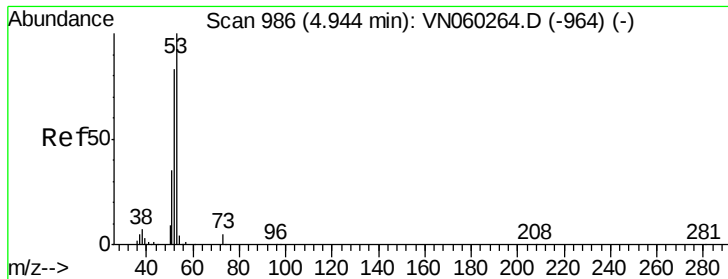
Ion Ratio Lower Upper

41 100

39 72.2 55.4 83.2

76 33.7 27.0 40.6





#15

Acrylonitrile

Concen: 97.273 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

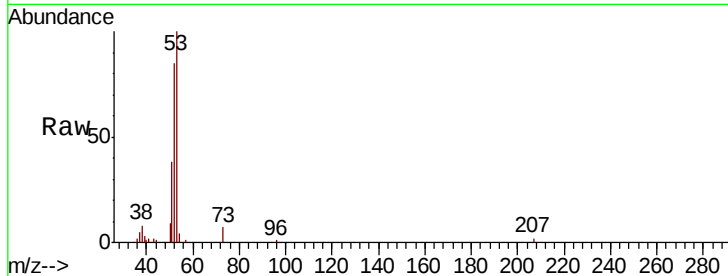
Tot Ion: 53 Resp: 89462

Ion Ratio Lower Upper

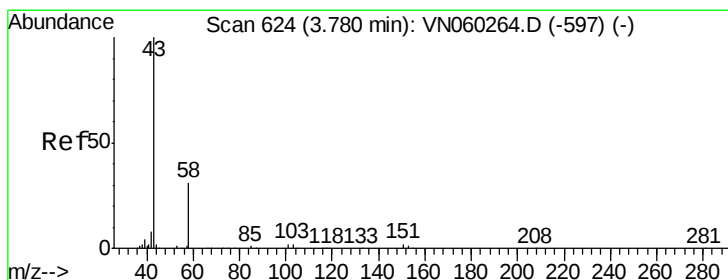
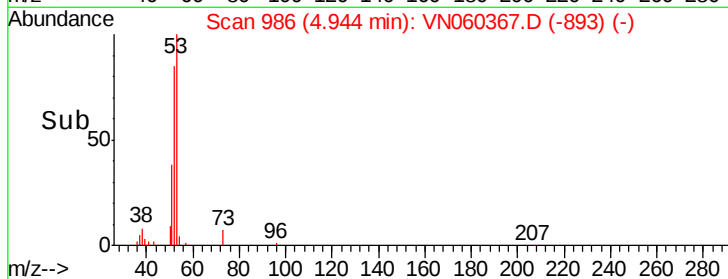
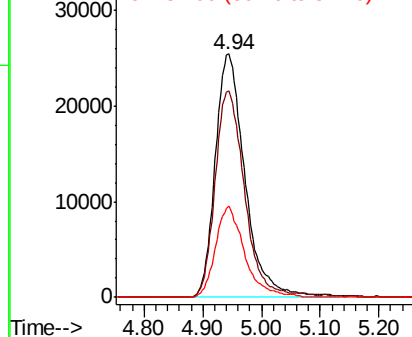
53 100

52 83.1 66.8 100.2

51 36.2 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0  
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.173 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060367.D

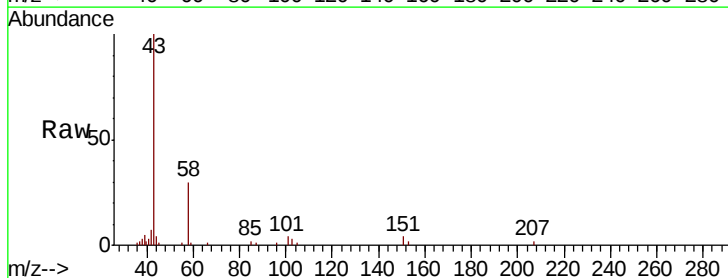
Acq: 5 Mar 2020 15:39

Tgt Ion: 43 Resp: 66910

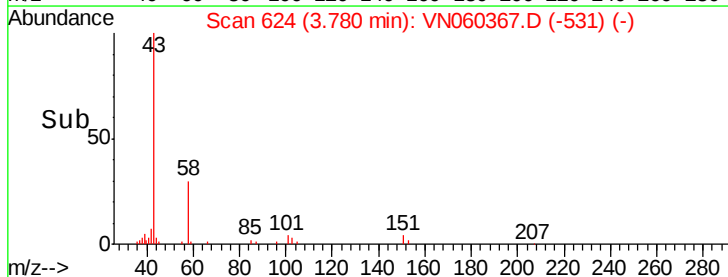
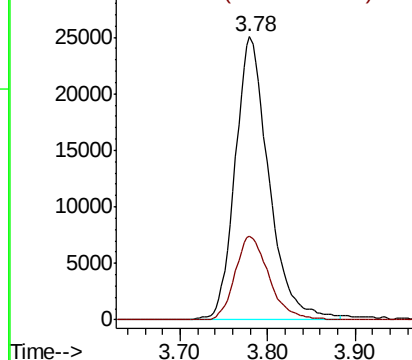
Ion Ratio Lower Upper

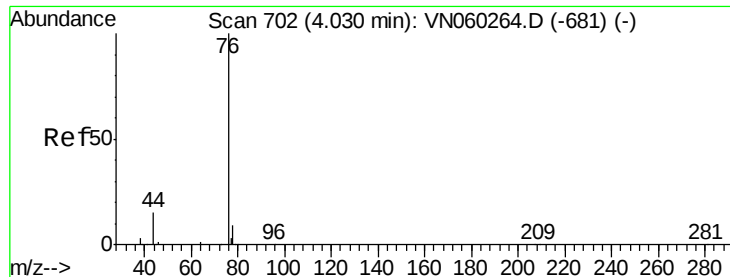
43 100

58 29.5 24.6 36.8



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





#17

Carbon Disulfide

Concen: 16.229 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

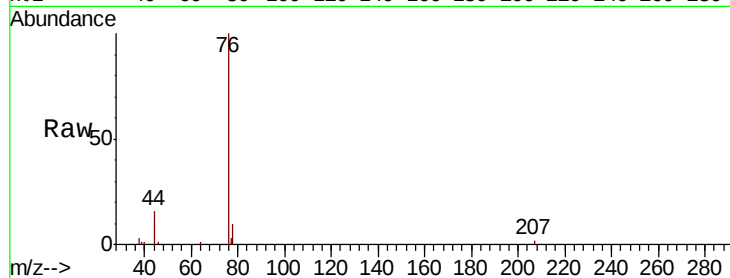
VN0305MBSD01

Tot Ion: 76 Resp: 78003

Ion Ratio Lower Upper

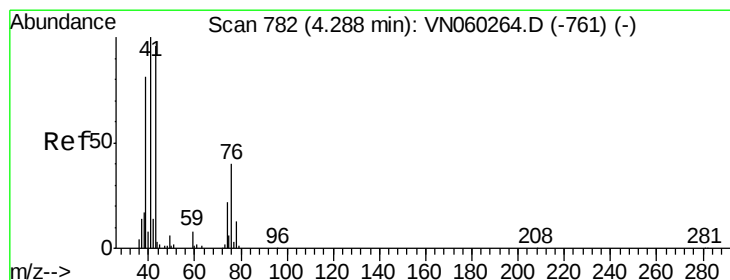
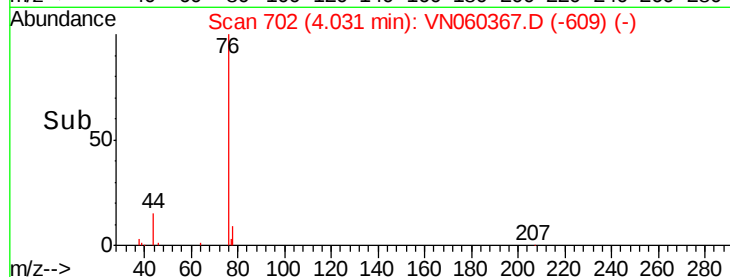
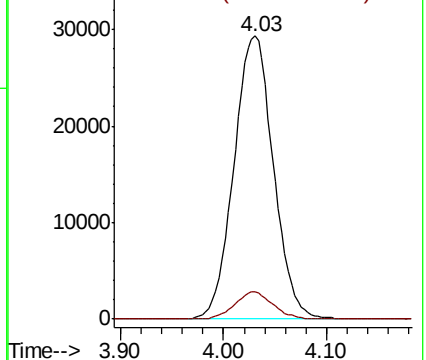
76 100

78 9.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.351 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060367.D

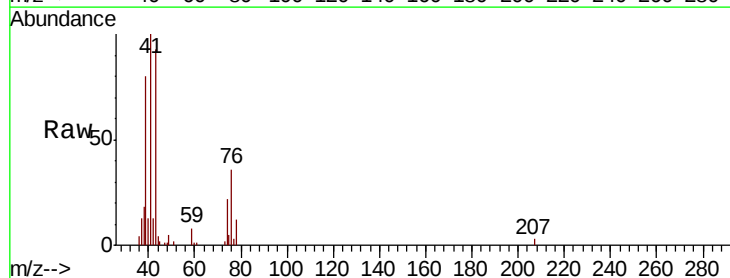
Acq: 5 Mar 2020 15:39

Tgt Ion: 43 Resp: 46473

Ion Ratio Lower Upper

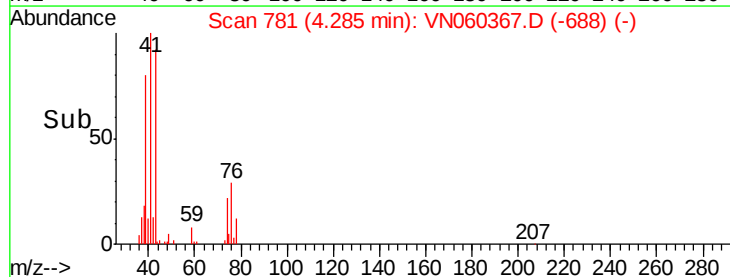
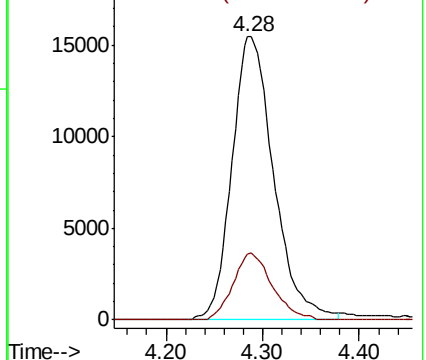
43 100

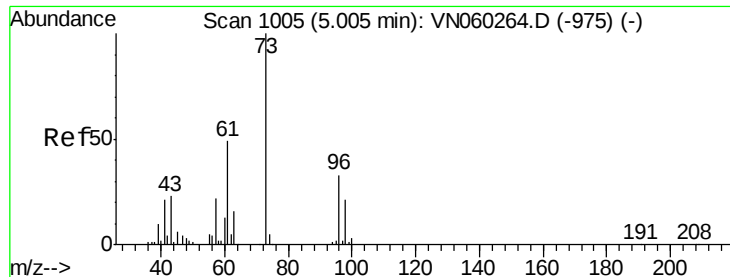
74 22.0 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

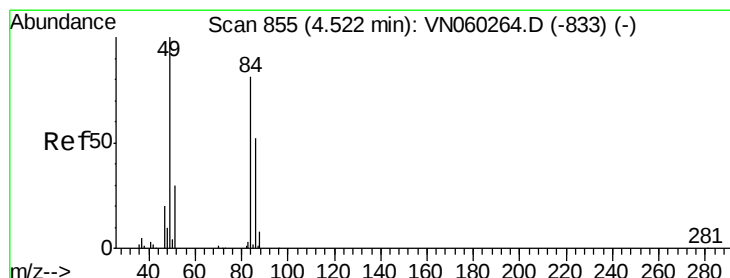
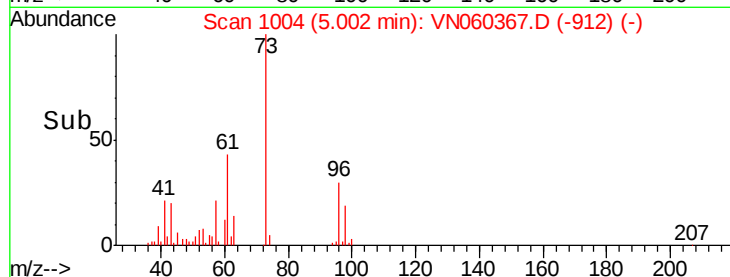
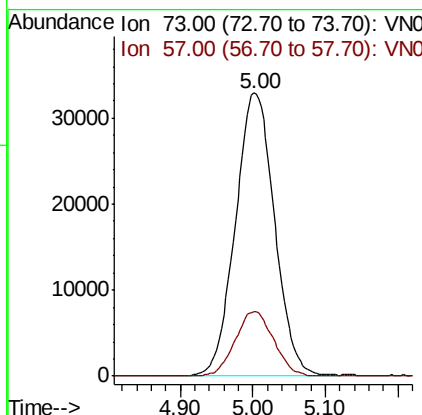
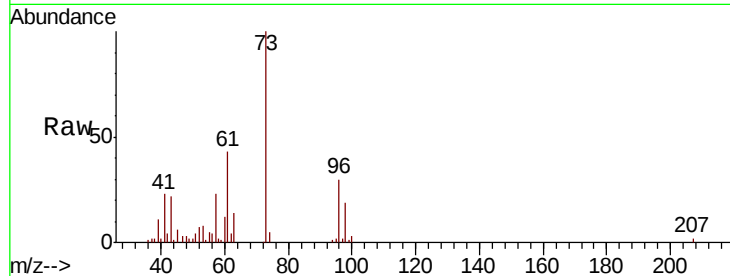




#19  
Methyl tert-butyl Ether  
Concen: 19.393 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

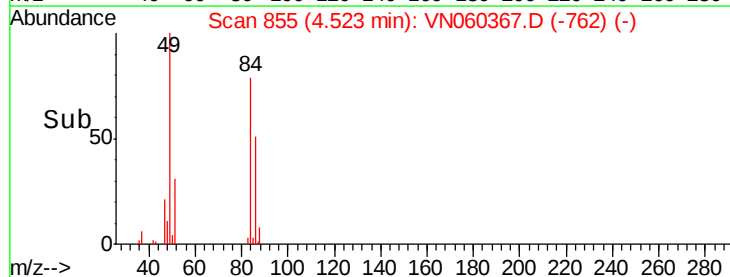
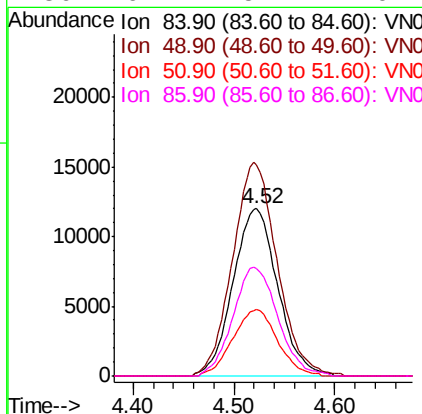
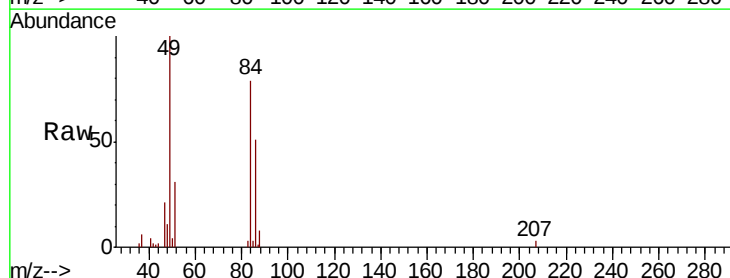
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0305MBSD01

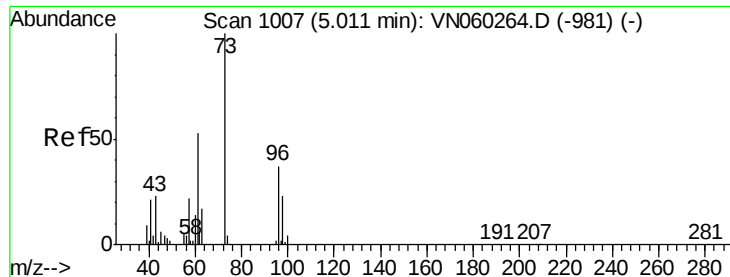
Tot Ion: 73 Resp: 123891  
Ion Ratio Lower Upper  
73 100  
57 22.7 17.3 25.9



#20  
Methylene Chloride  
Concen: 17.754 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Tgt Ion: 84 Resp: 36999  
Ion Ratio Lower Upper  
84 100  
49 126.3 99.3 148.9  
51 39.4 30.1 45.1  
86 64.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.529 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

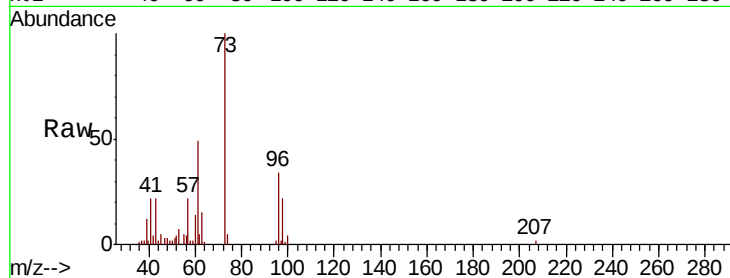
Tot Ion: 96 Resp: 33662

Ion Ratio Lower Upper

96 100

61 146.3 113.8 170.8

98 64.7 48.8 73.2

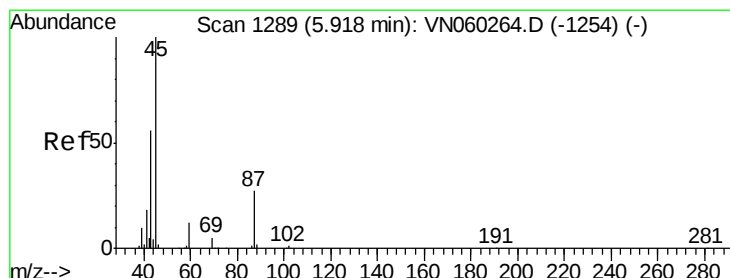
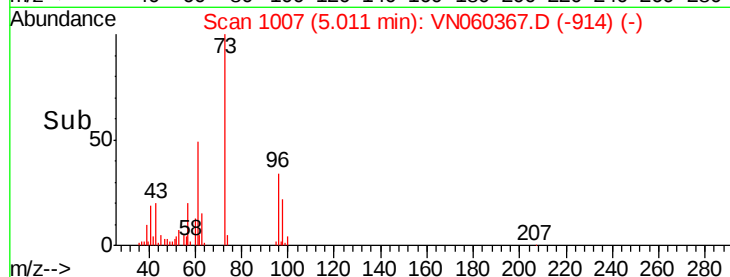
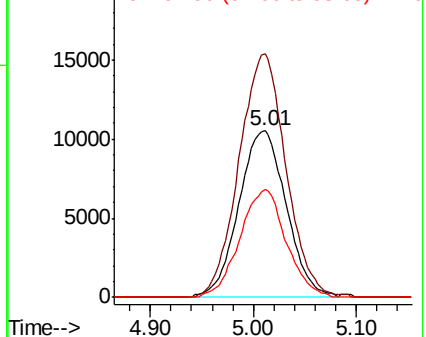


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 19.318 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion: 45 Resp: 126950

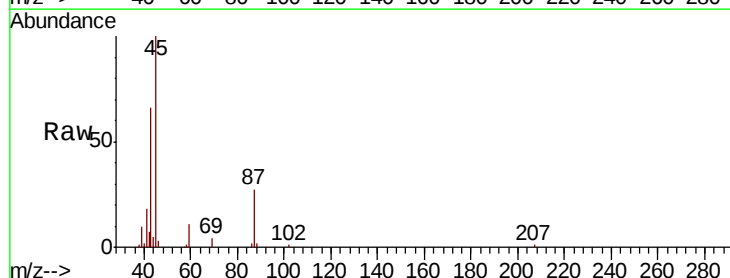
Ion Ratio Lower Upper

45 100

43 64.3 48.6 72.8

87 26.9 22.2 33.2

59 11.3 9.5 14.3



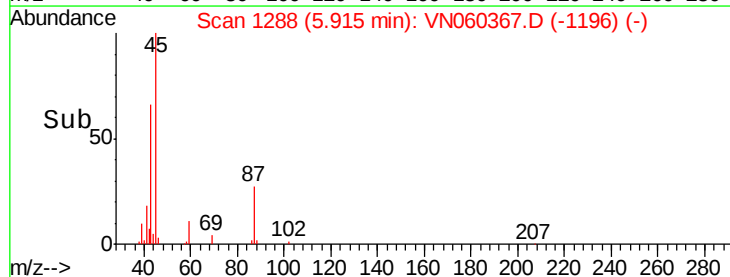
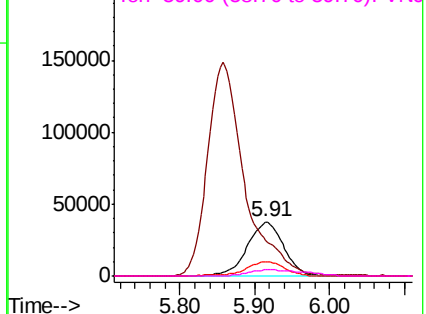
Abundance

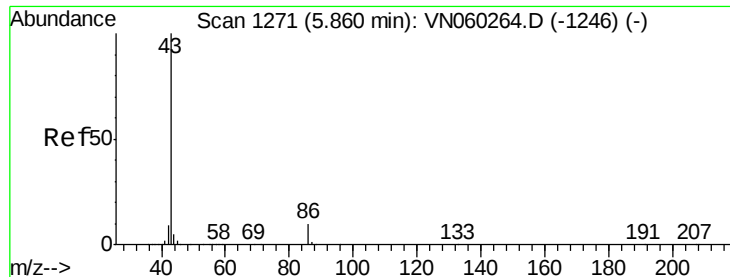
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 97.967 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

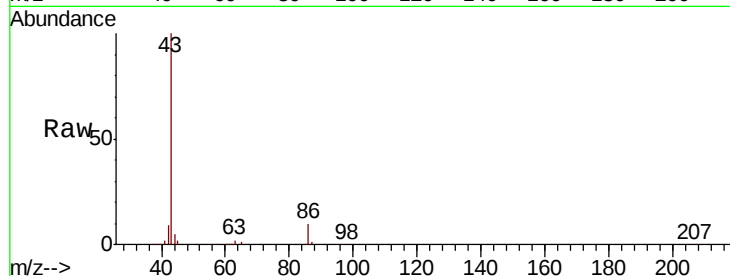
VN0305MBSD01

Tot Ion: 43 Resp: 511588

Ion Ratio Lower Upper

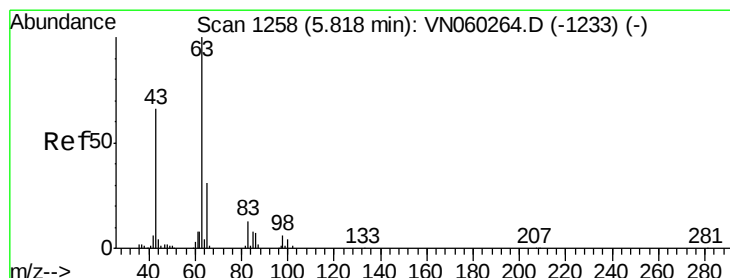
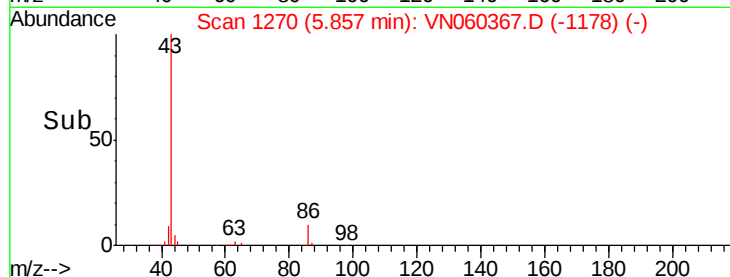
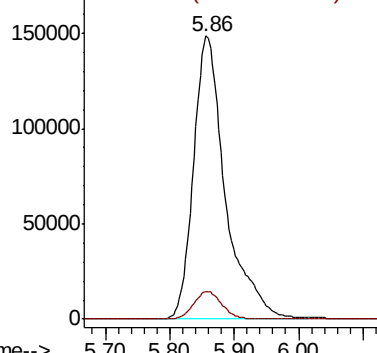
43 100

86 9.9 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.494 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

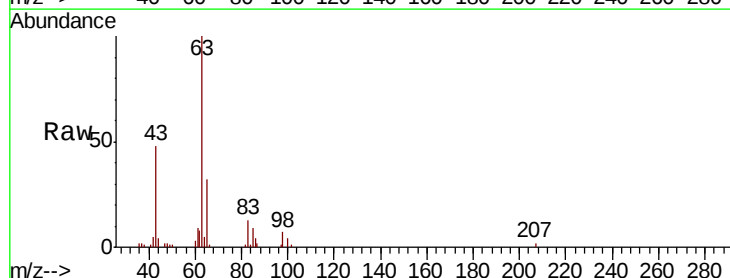
Tgt Ion: 63 Resp: 68799

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.0

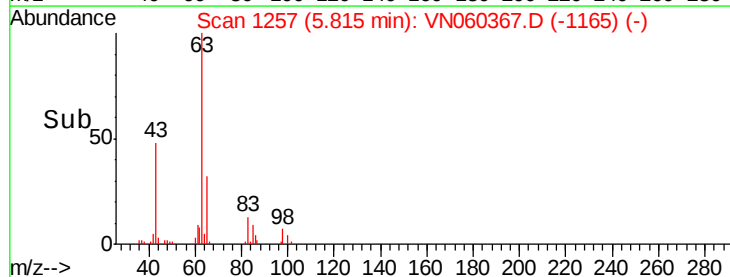
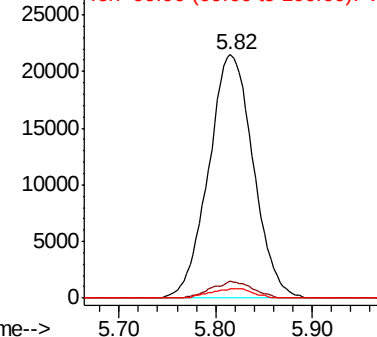
100 3.7 2.0 6.0

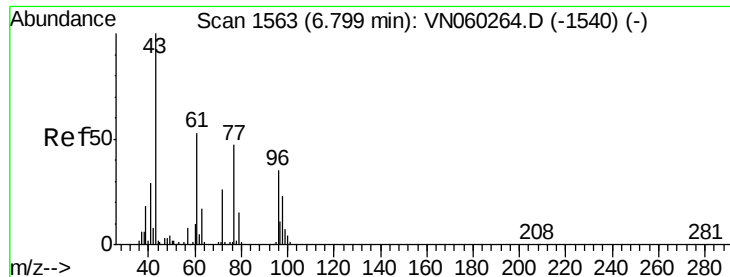


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

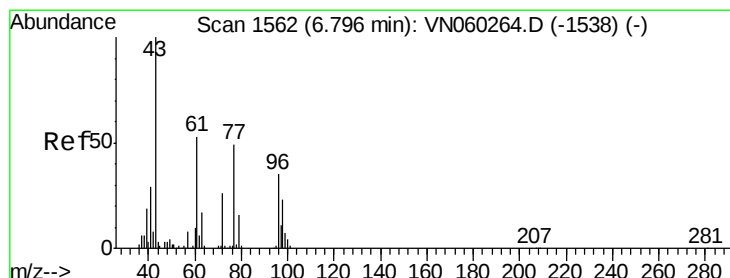
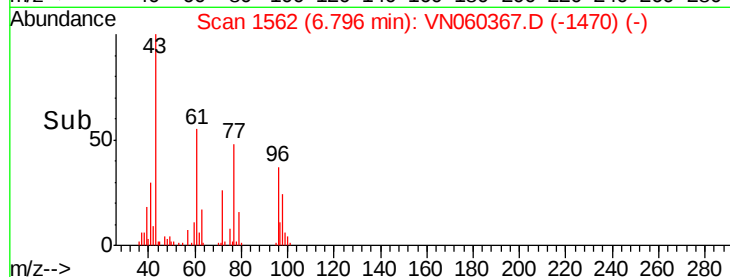
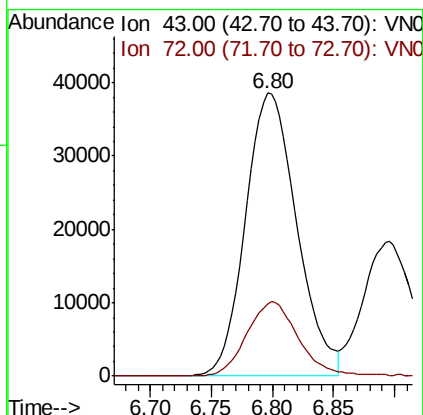
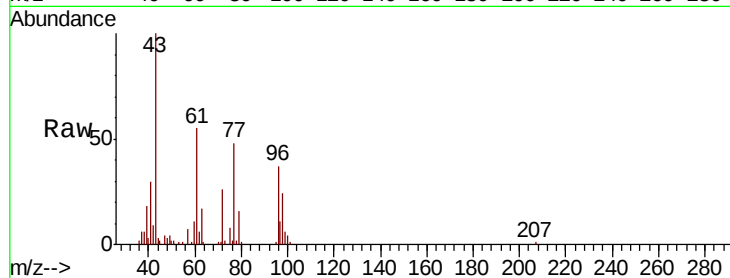




#25  
2-Butanone  
Concen: 92.098 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

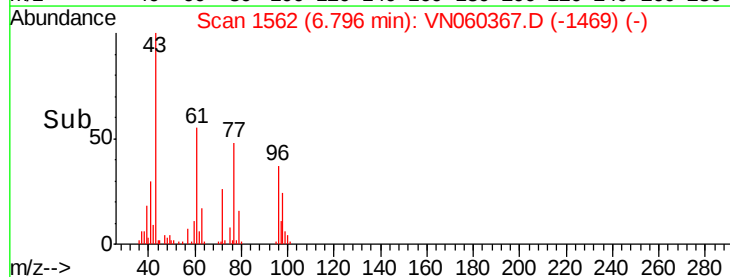
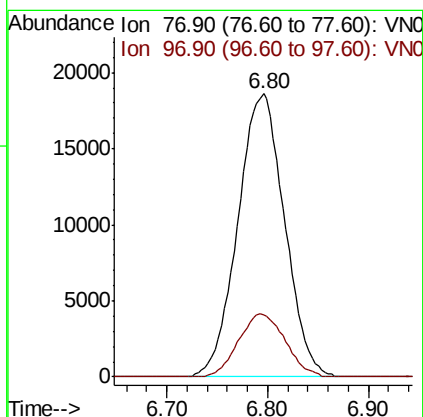
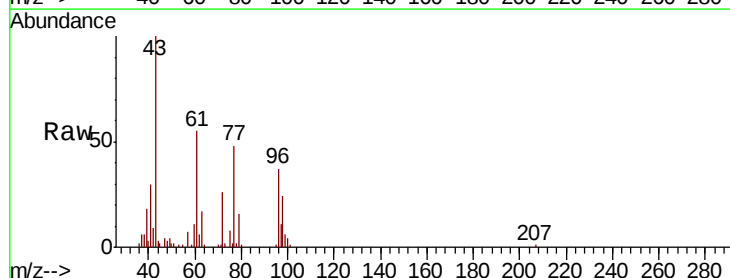
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBSD01

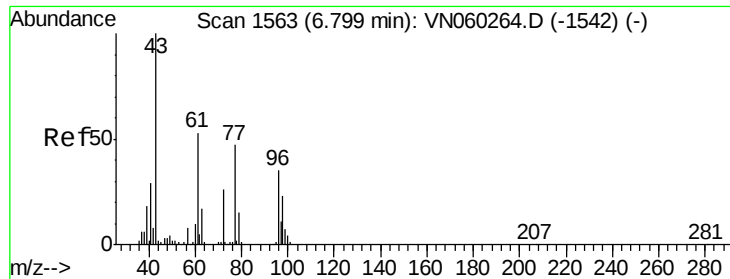
Tot Ion: 43 Resp: 112886  
Ion Ratio Lower Upper  
43 100  
72 25.6 20.9 31.3



#26  
2,2-Dichloropropane  
Concen: 17.674 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Tgt Ion: 77 Resp: 59854  
Ion Ratio Lower Upper  
77 100  
97 22.2 11.2 33.6

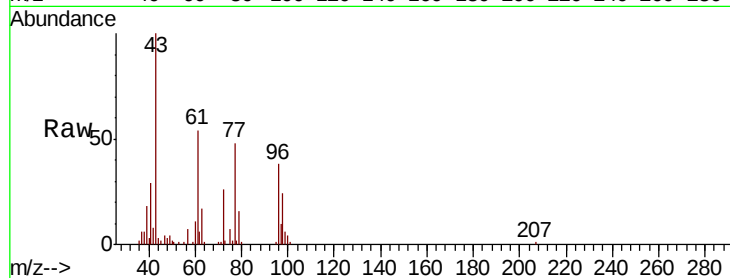




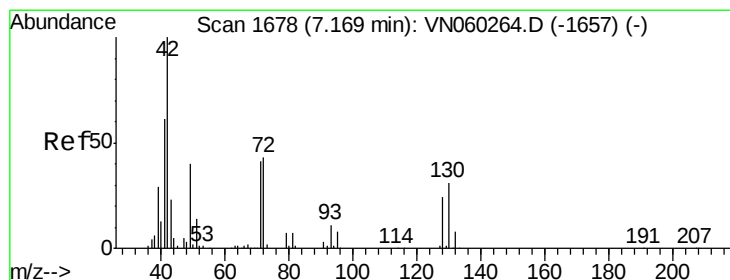
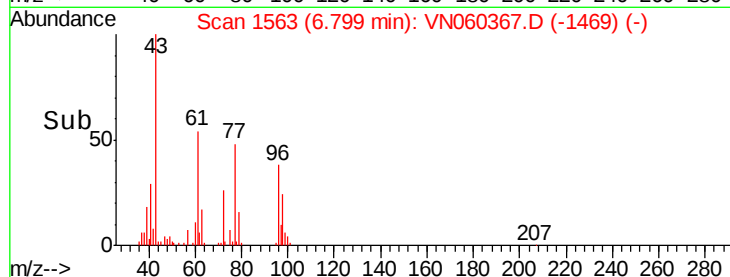
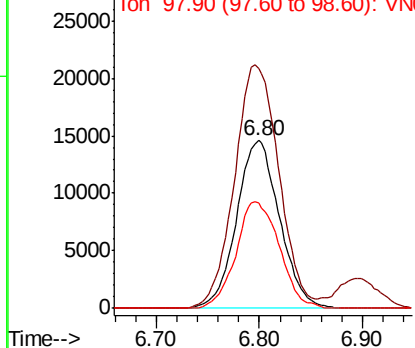
#27  
 cis-1,2-Dichloroethene  
 Concen: 17.449 ug/l  
 RT: 6.80 min Scan# 1563  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0305MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.2 | 0.0   | 300.8 |
| 98      | 64.4  | 0.0   | 128.2 |

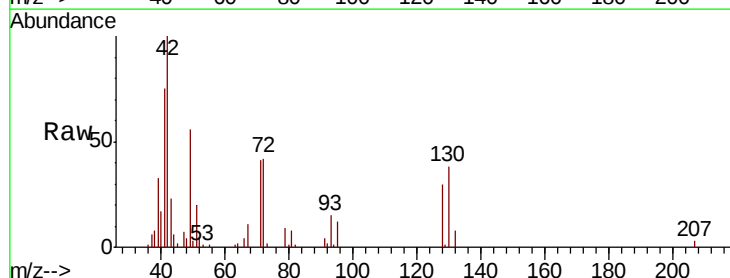


Abundance Ion 95.90 (95.60 to 96.60): VNO  
 Ion 60.90 (60.60 to 61.60): VNO  
 Ion 97.90 (97.60 to 98.60): VNO

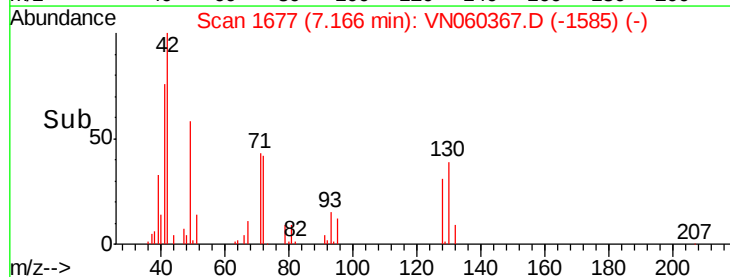
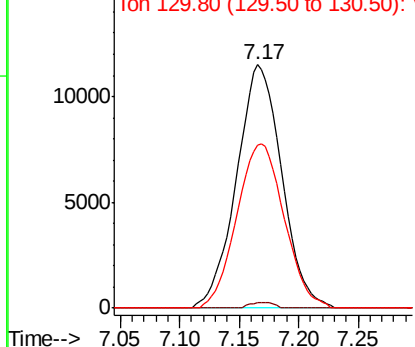


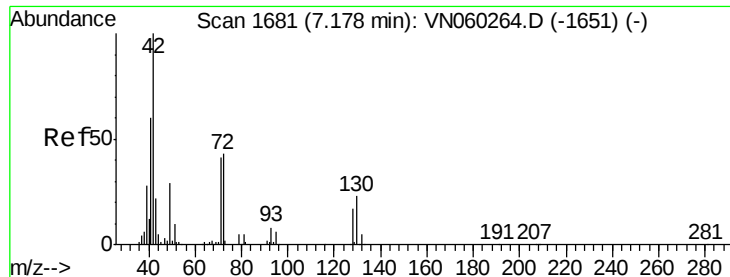
#28  
 Bromochloromethane  
 Concen: 19.862 ug/l  
 RT: 7.17 min Scan# 1677  
 Delta R.T. -0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.2   | 0.0   | 3.8   |
| 130     | 70.6  | 59.8  | 89.8  |



Abundance Ion 48.90 (48.60 to 49.60): VNO  
 Ion 128.80 (128.50 to 129.50): V  
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 92.585 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

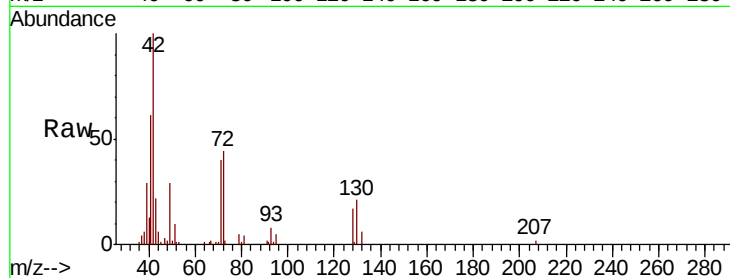
Tot Ion: 42 Resp: 78914

Ion Ratio Lower Upper

42 100

72 43.5 34.6 52.0

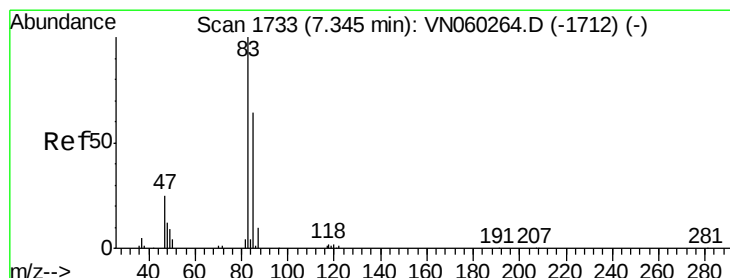
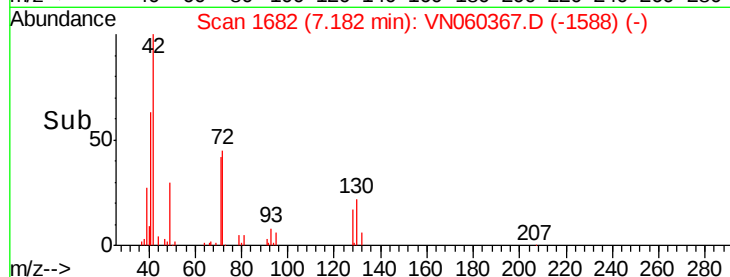
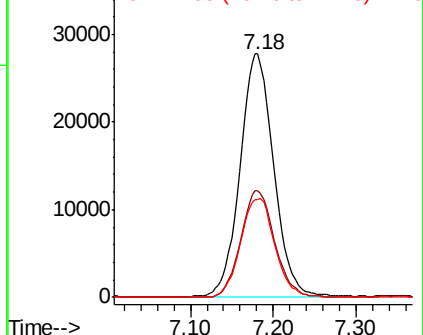
71 41.0 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.798 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060367.D

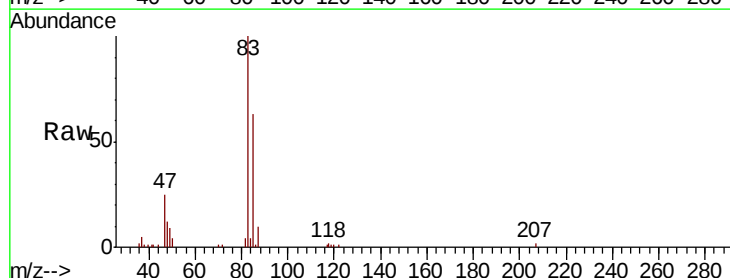
Acq: 5 Mar 2020 15:39

Tgt Ion: 83 Resp: 69612

Ion Ratio Lower Upper

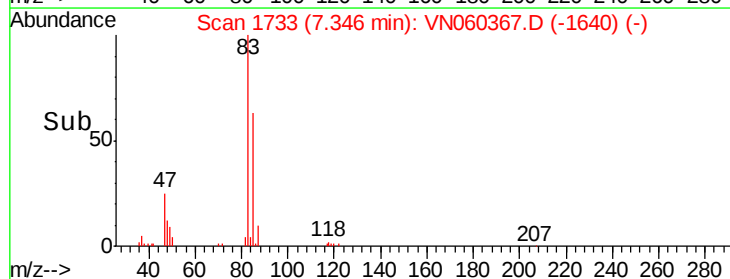
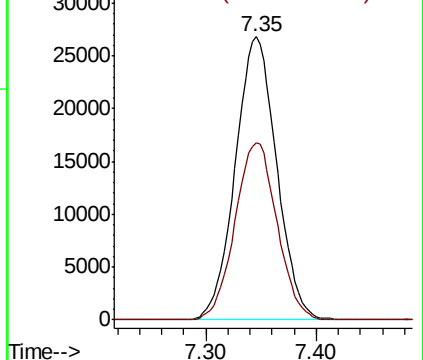
83 100

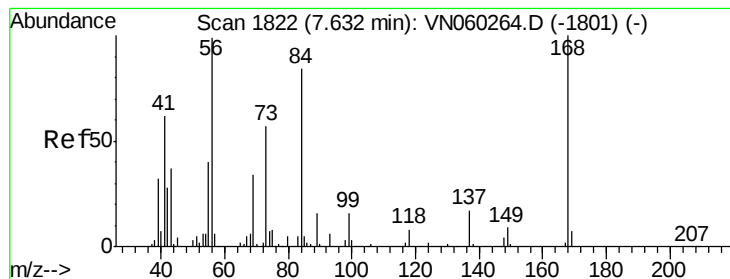
85 62.6 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.865 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

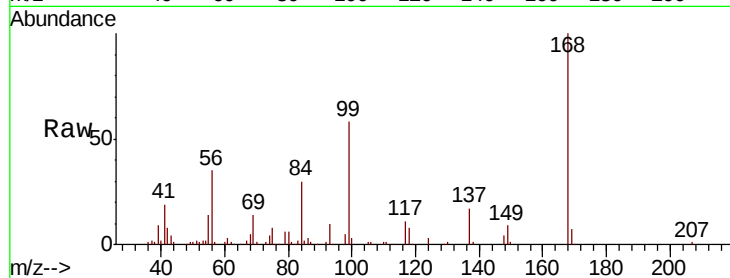
Tot Ion: 56 Resp: 59448

Ion Ratio Lower Upper

56 100

69 39.1 27.2 40.8

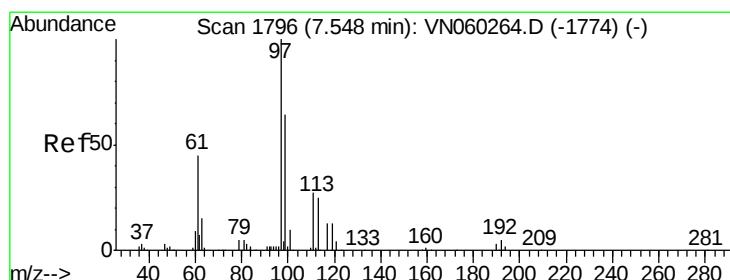
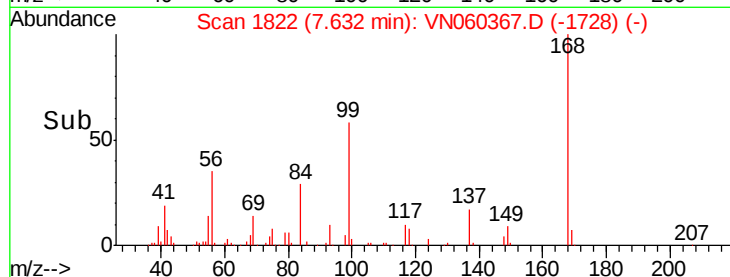
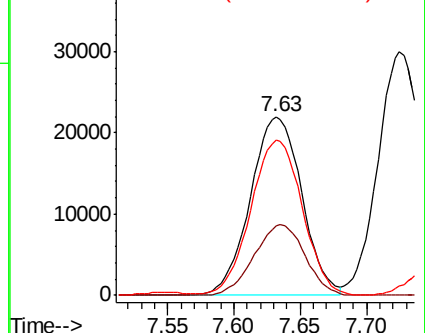
84 86.1 66.7 100.1



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



#32

1,1,1-Trichloroethane

Concen: 18.172 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

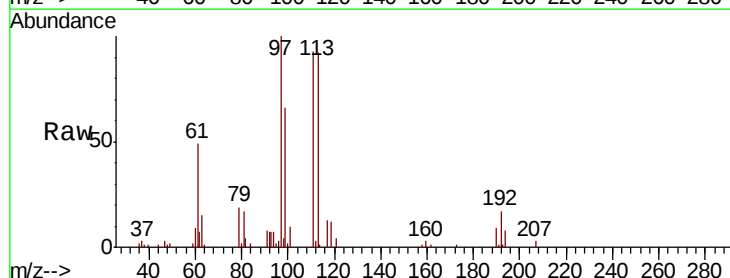
Tgt Ion: 97 Resp: 59622

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

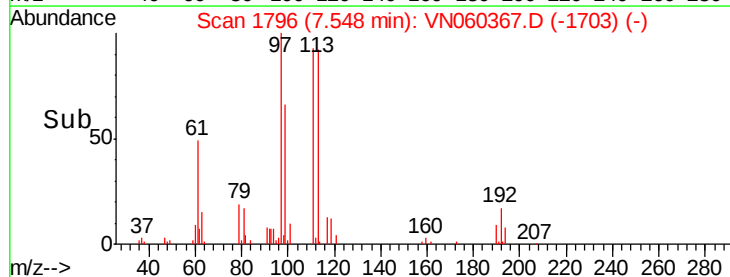
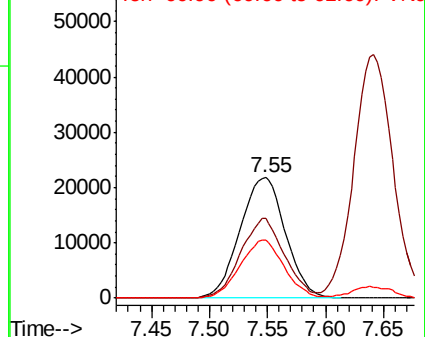
61 46.4 36.6 55.0

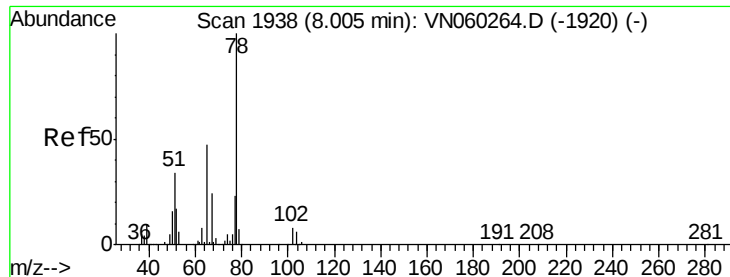


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.869 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

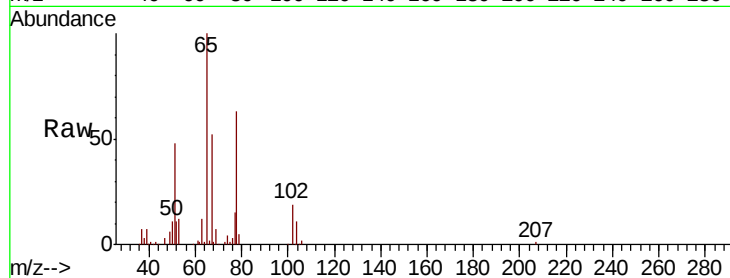
VN0305MBS01

Tot Ion: 65 Resp: 121885

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060264.D (-1920) (-)

8.00

60000

50000

40000

30000

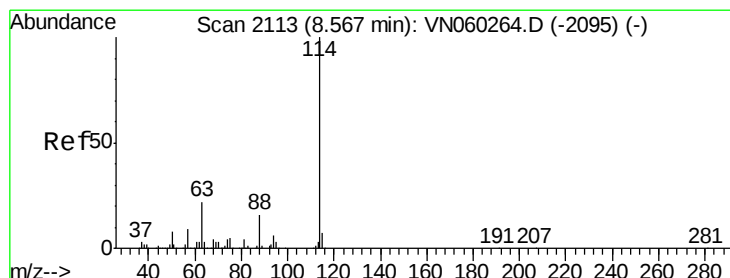
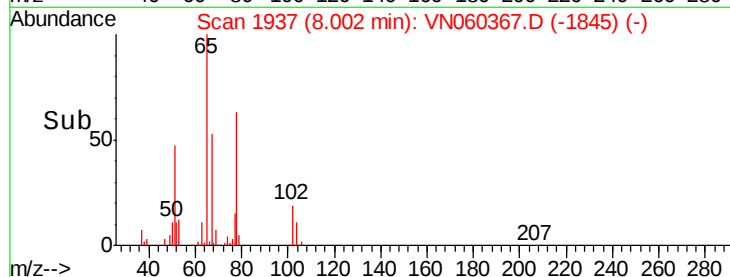
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

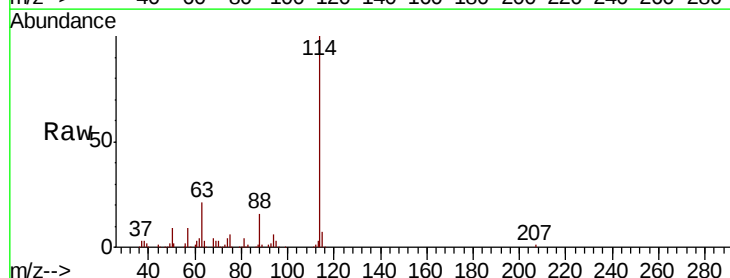
Tgt Ion: 114 Resp: 301913

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060264.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060264.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060264.D (-2095) (-)

8.57

200000

150000

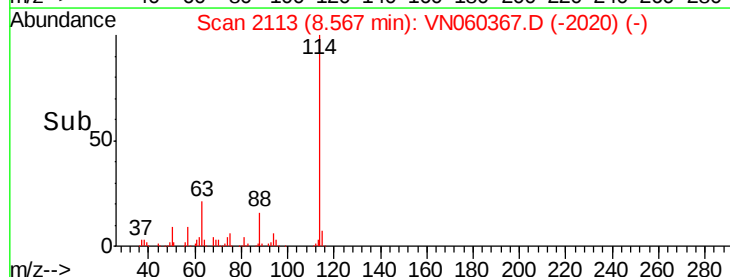
100000

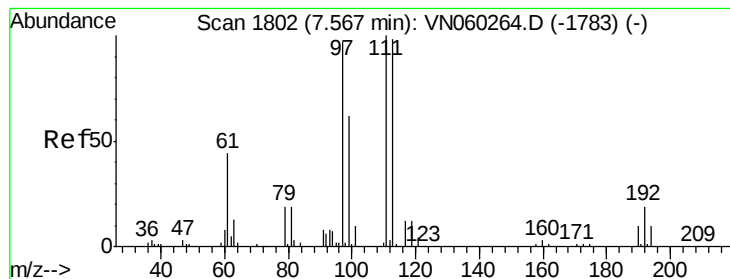
50000

0

8.50 8.55 8.60 8.65 8.70

Time-->





#35

Dibromofluoromethane

Concen: 60.161 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

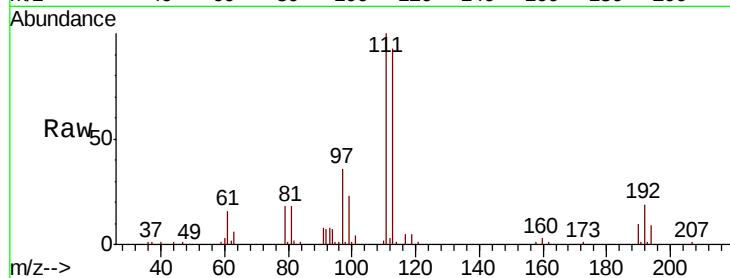
Tot Ion:113 Resp: 84309

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

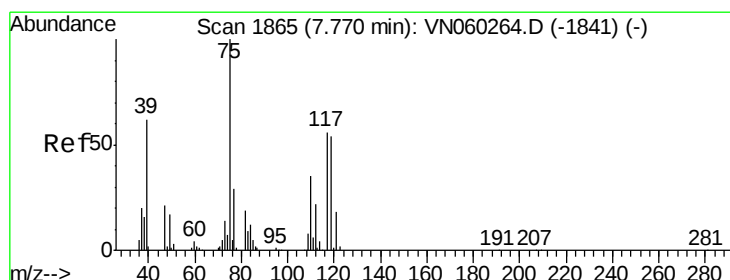
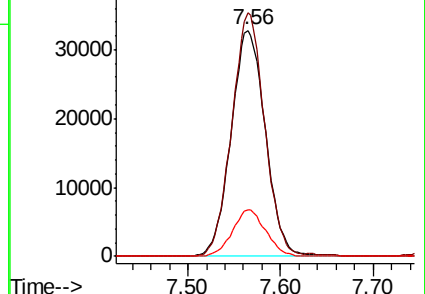
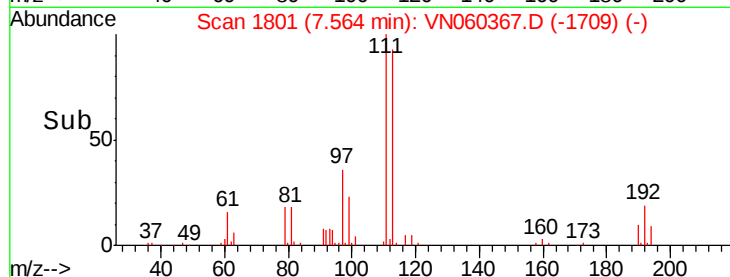
192 19.7 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.167 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

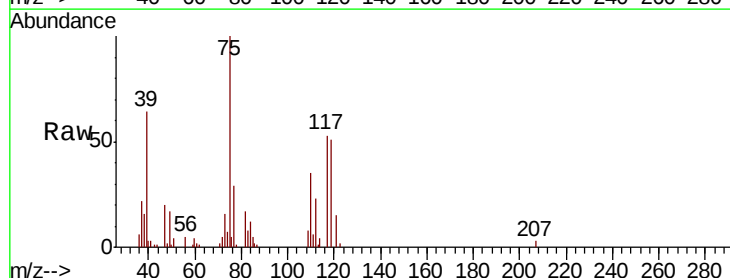
Tgt Ion: 75 Resp: 49397

Ion Ratio Lower Upper

75 100

110 34.5 17.3 52.0

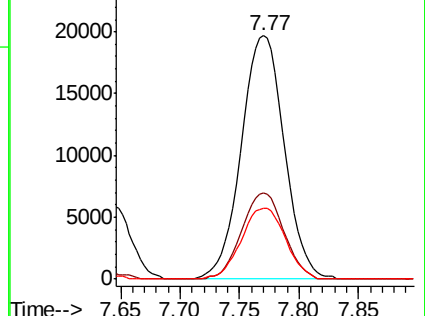
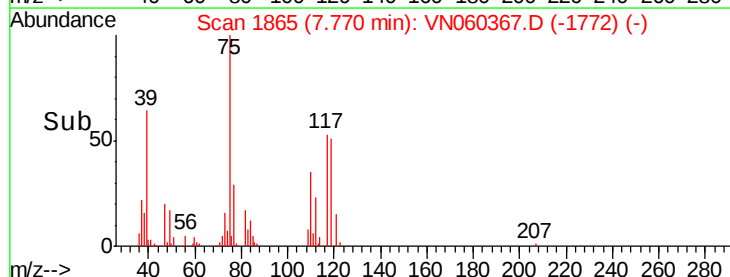
77 29.9 24.2 36.2

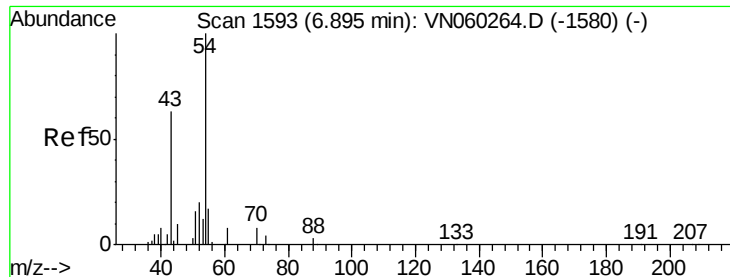


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

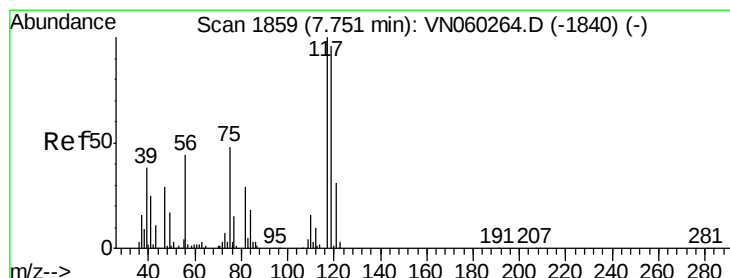
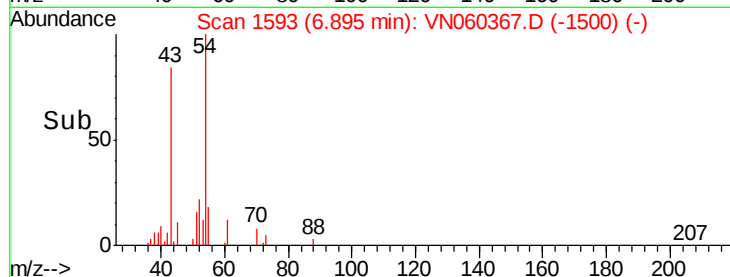
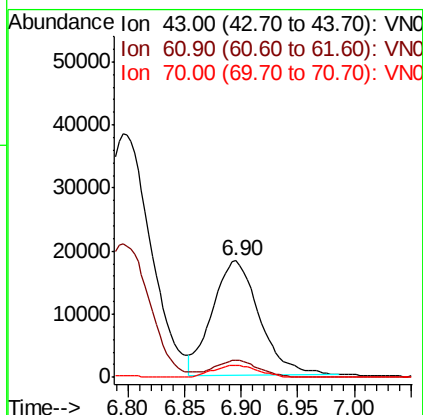
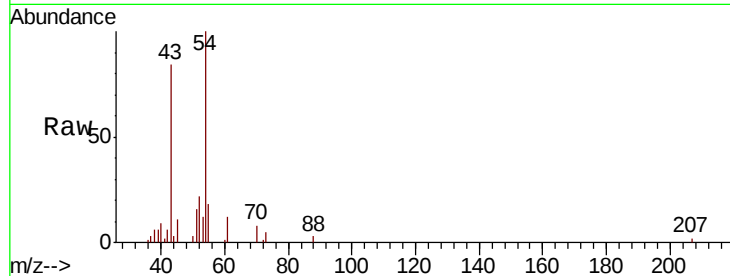




#37  
Ethyl Acetate  
Concen: 19.534 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

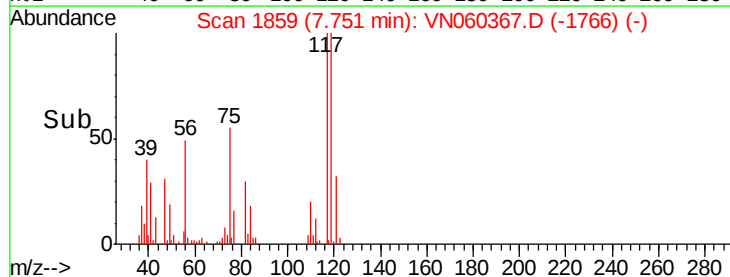
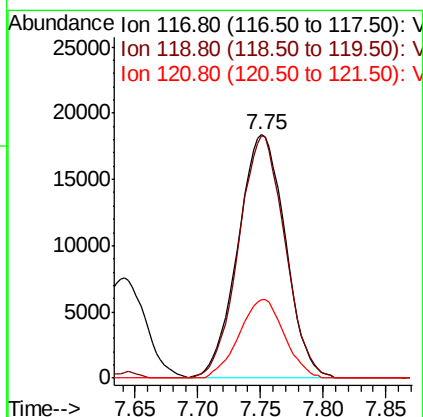
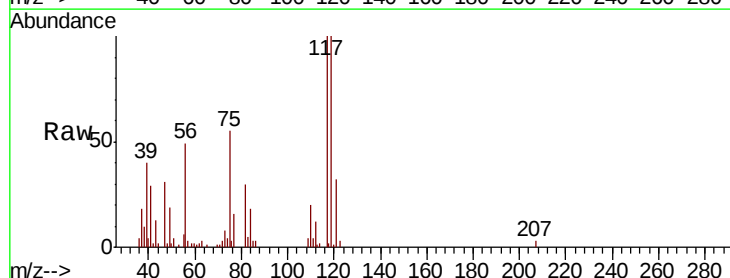
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBSD01

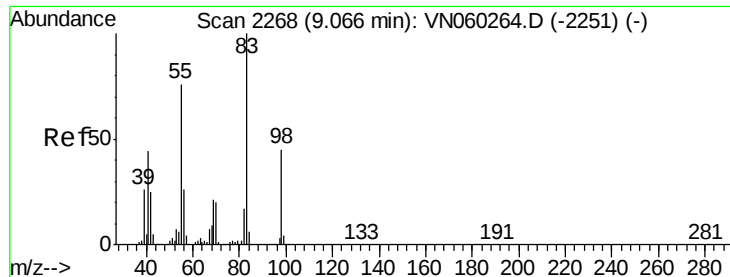
Tot Ion: 43 Resp: 53220  
Ion Ratio Lower Upper  
43 100  
61 13.7 11.1 16.7  
70 9.9 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 17.221 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Tgt Ion: 117 Resp: 48245  
Ion Ratio Lower Upper  
117 100  
119 99.5 76.7 115.1  
121 32.0 24.5 36.7

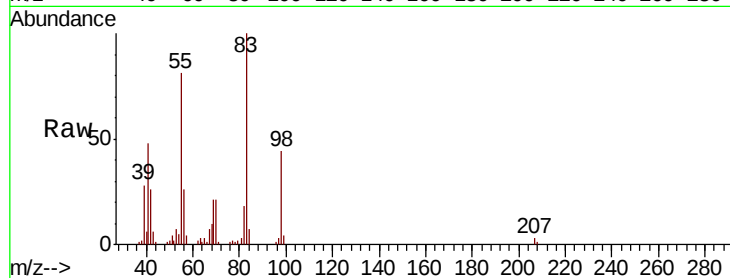




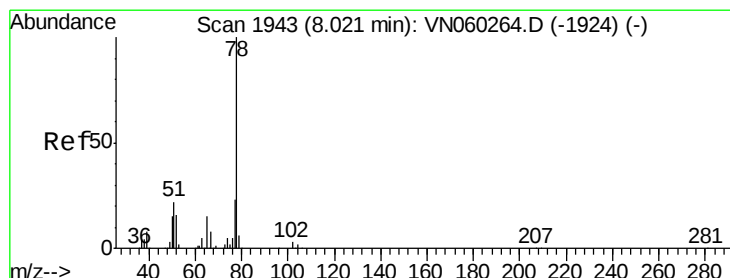
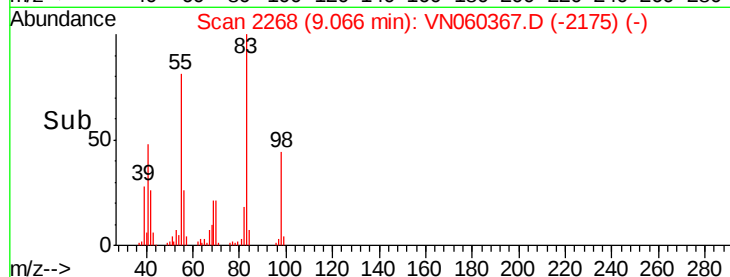
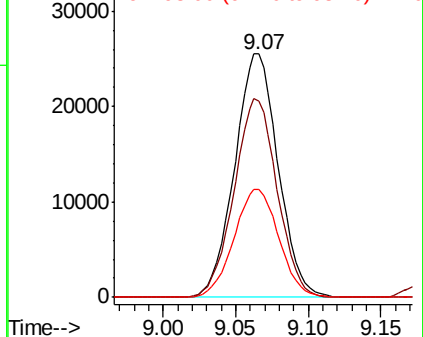
#39  
Methvlcvclohexane  
Concen: 15.637 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBSD01

Tot Ion: 83 Resp: 53051  
Ion Ratio Lower Upper  
83 100  
55 80.8 61.0 91.4  
98 44.2 36.1 54.1

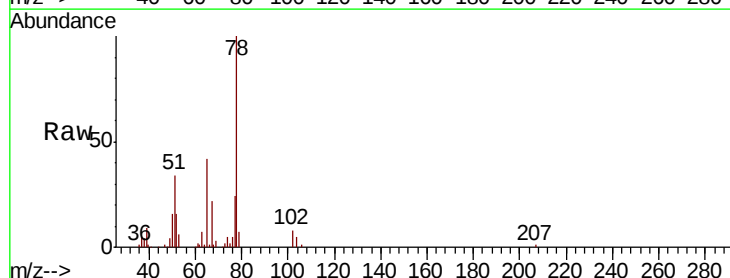


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

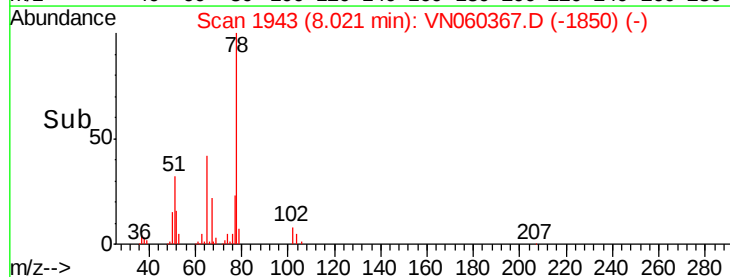
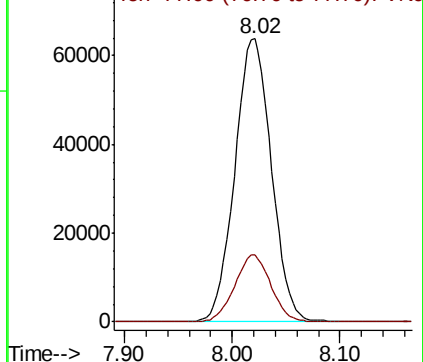


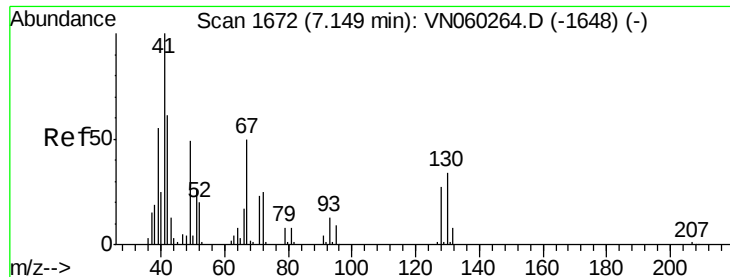
#40  
Benzene  
Concen: 17.967 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Tgt Ion: 78 Resp: 150470  
Ion Ratio Lower Upper  
78 100  
77 23.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0

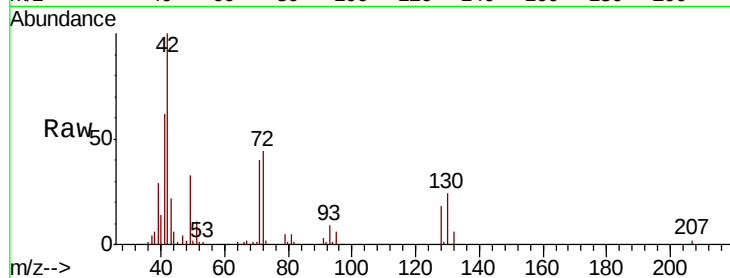




#41  
Methacrylonitrile  
Concen: 60.292 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.03 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 75848 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 0.0   | 0.0   | 0.0   |
| 67       | 0.0   | 0.0   | 0.0   |
| 52       | 0.0   | 0.0   | 0.0   |



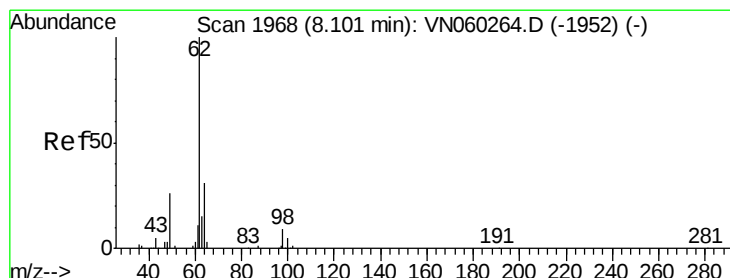
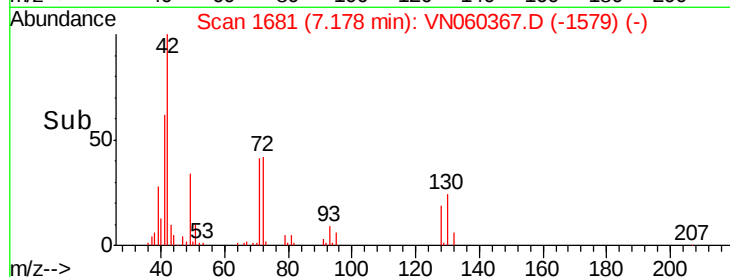
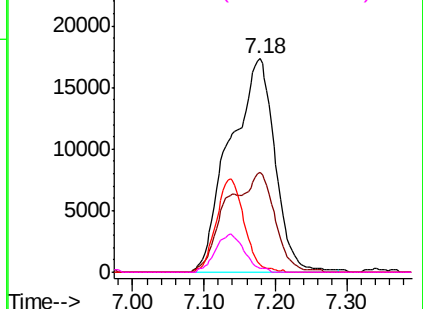
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

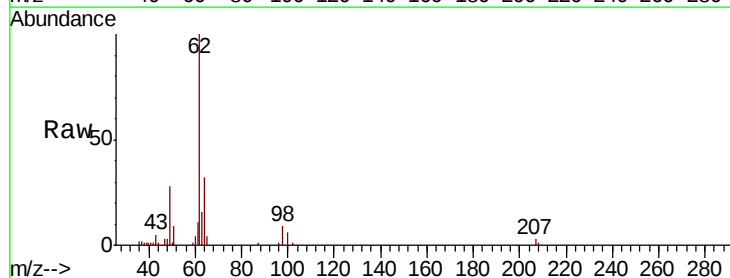
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42  
1,2-Dichloroethane  
Concen: 19.363 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

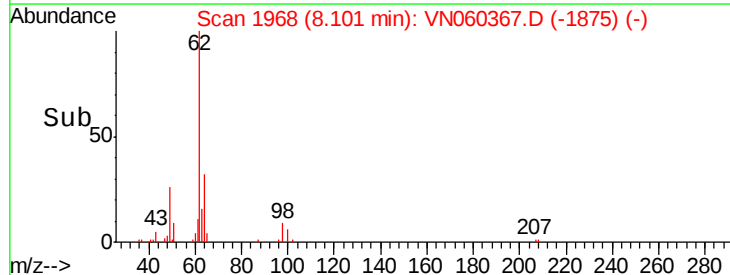
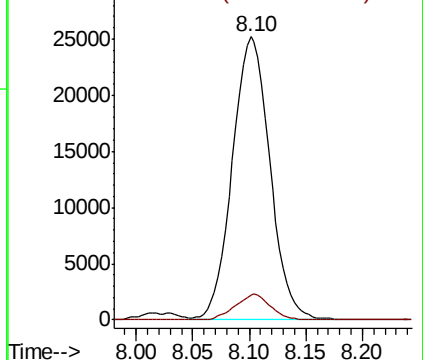
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 58518 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.4   | 0.0   | 17.0  |

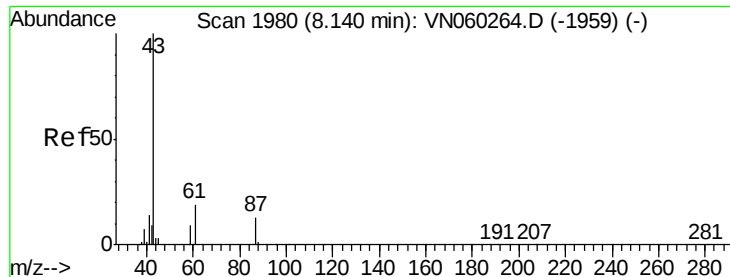


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.788 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

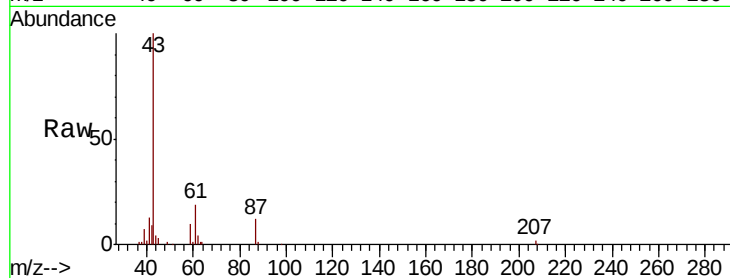
Tot Ion: 43 Resp: 94383

Ion Ratio Lower Upper

43 100

61 26.2 20.9 31.3

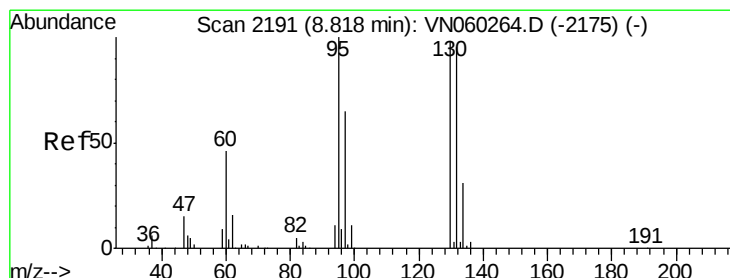
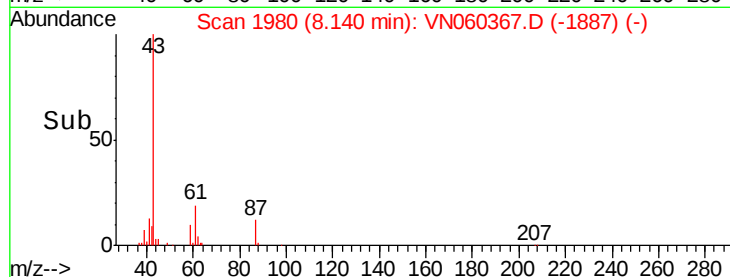
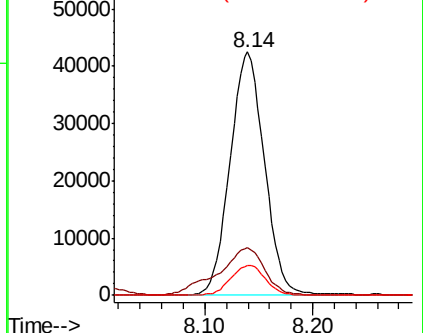
87 12.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#44

Trichloroethene

Concen: 17.889 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060367.D

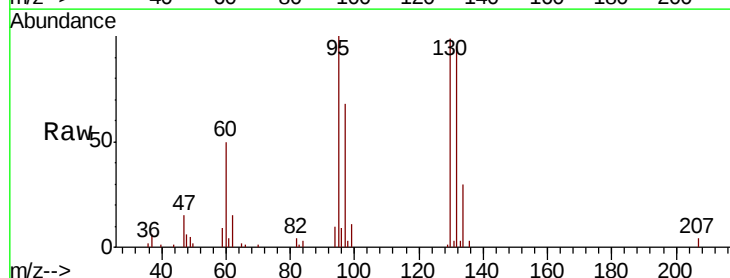
Acq: 5 Mar 2020 15:39

Tgt Ion: 130 Resp: 41726

Ion Ratio Lower Upper

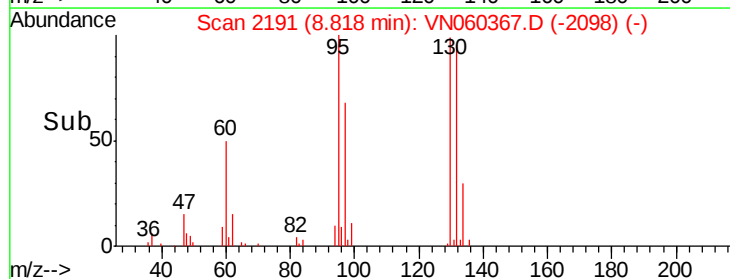
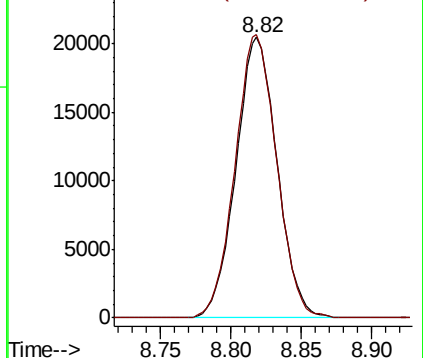
130 100

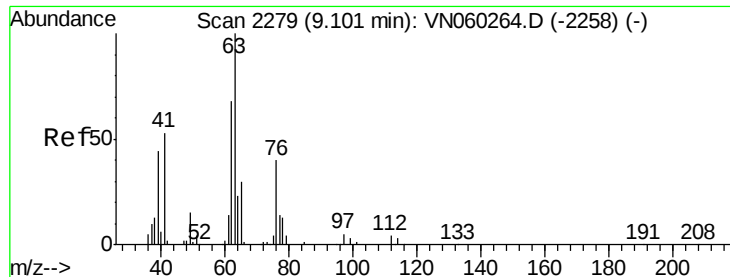
95 100.9 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)

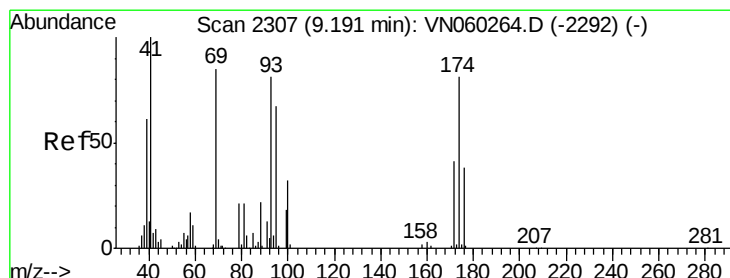
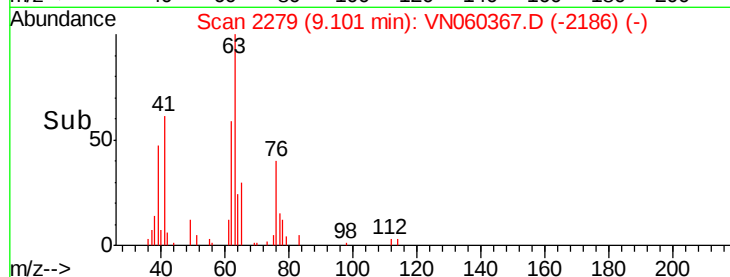
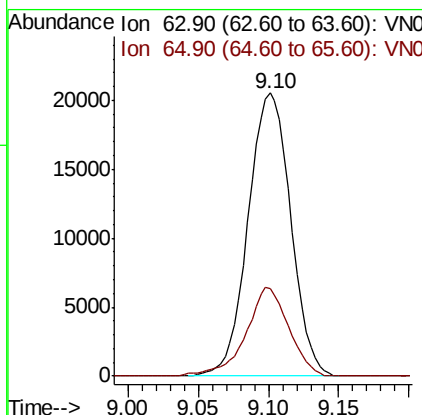
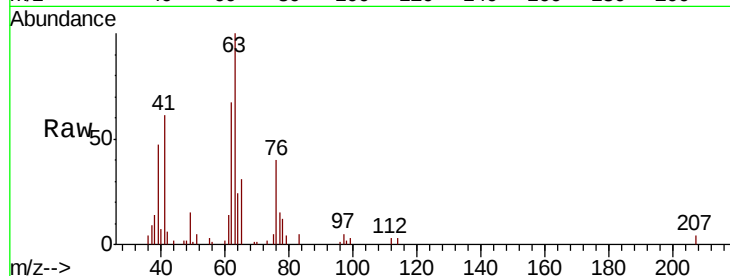




#45  
 1,2-Dichloropropane  
 Concen: 19.761 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

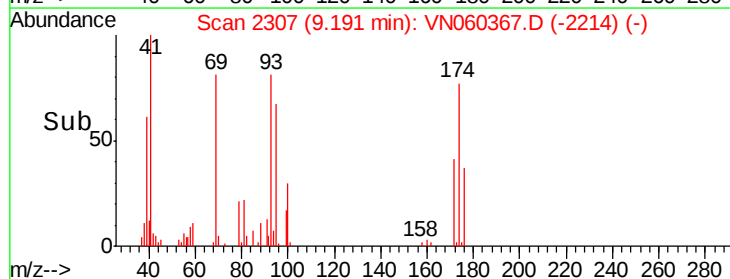
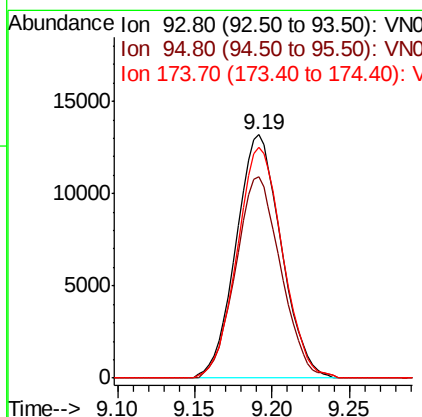
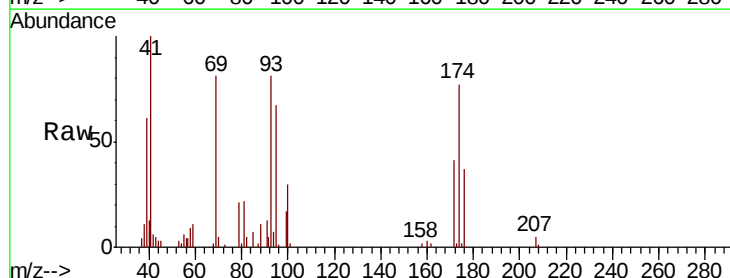
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0305MBSD01

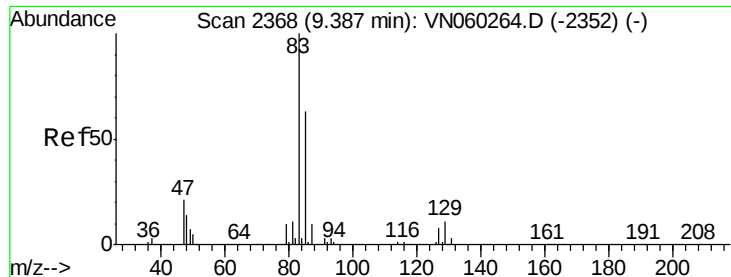
Tot Ion: 63 Resp: 43269  
 Ion Ratio Lower Upper  
 63 100  
 65 30.8 24.4 36.6



#46  
 Dibromomethane  
 Concen: 18.885 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

Tgt Ion: 93 Resp: 26831  
 Ion Ratio Lower Upper  
 93 100  
 95 82.3 65.9 98.9  
 174 95.2 79.6 119.4

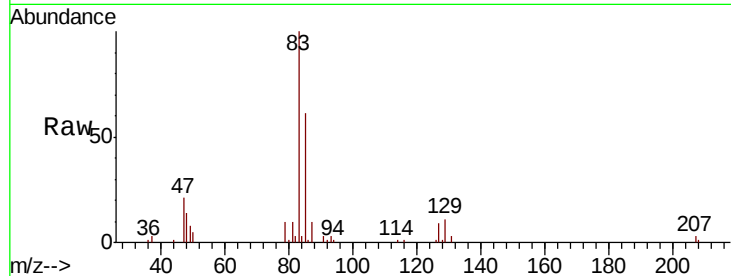




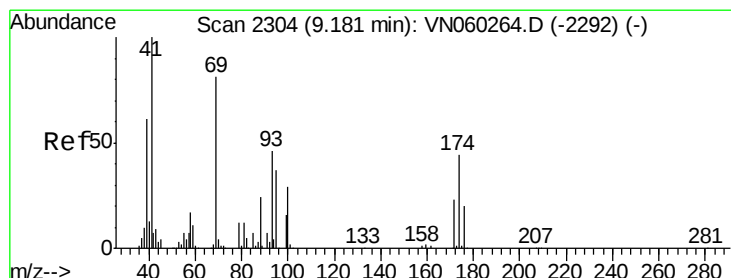
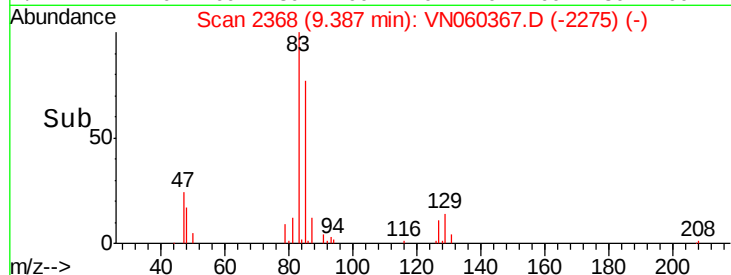
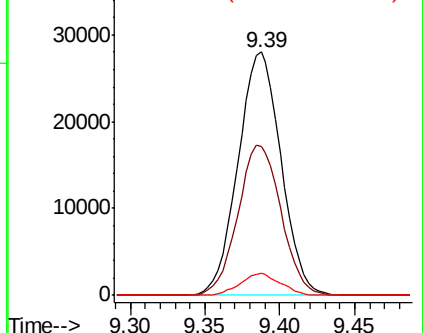
#47  
Bromodichloromethane  
Concen: 19.364 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBSD01

Tot Ion: 83 Resp: 55953  
Ion Ratio Lower Upper  
83 100  
85 61.3 50.7 76.1  
127 9.0 6.8 10.2

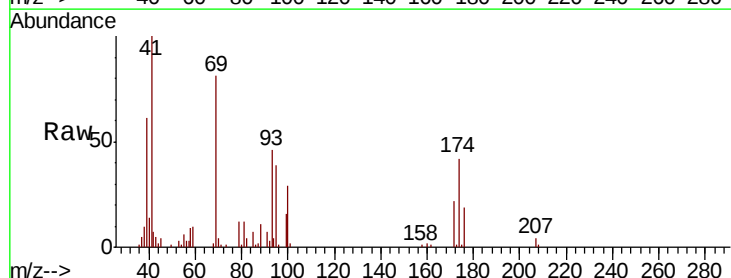


Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 126.80 (126.50 to 127.50): V

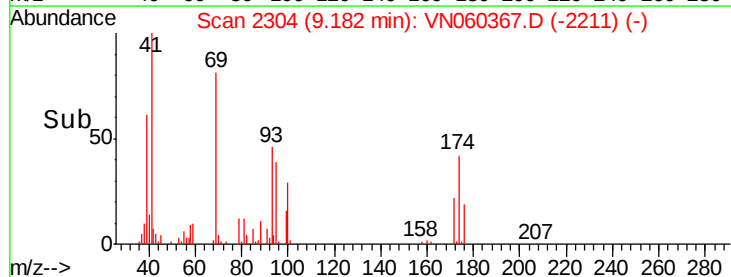
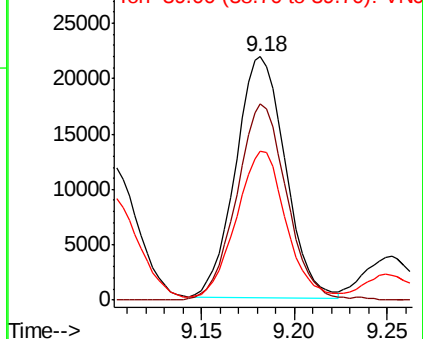


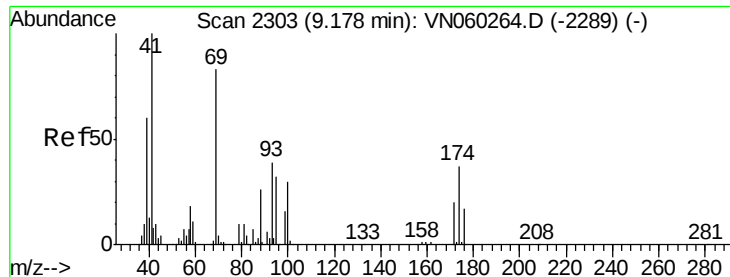
#48  
Methyl methacrylate  
Concen: 18.602 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Tgt Ion: 41 Resp: 40460  
Ion Ratio Lower Upper  
41 100  
69 82.0 66.7 100.1  
39 62.9 50.1 75.1



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





#49

1,4-Dioxane

Concen: 168.828 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

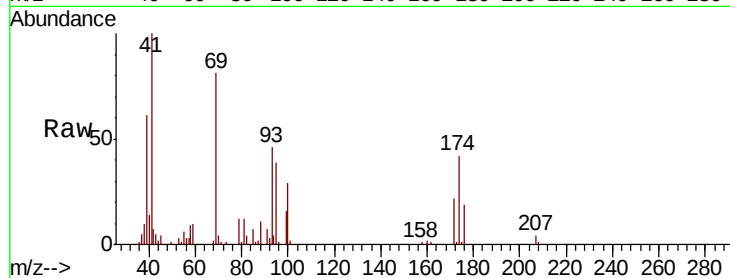
Tot Ion: 88 Resp: 5164

Ion Ratio Lower Upper

88 100

43 48.5 30.4 45.6#

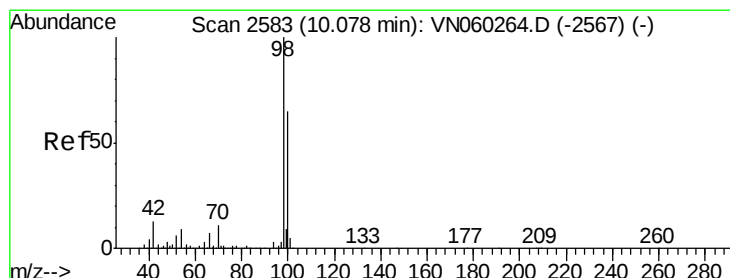
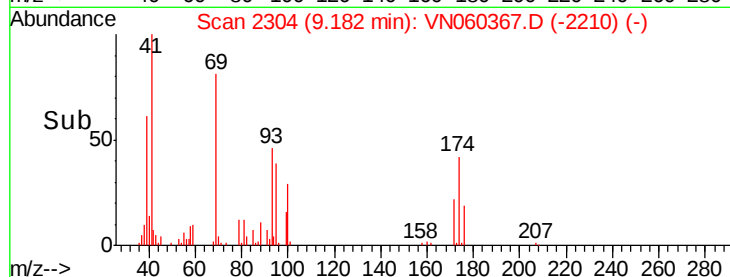
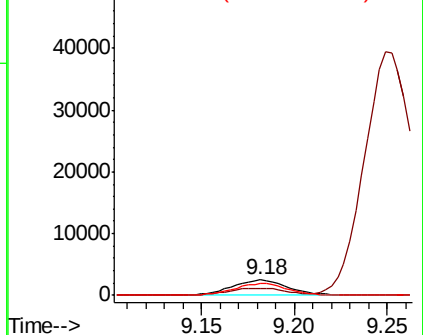
58 74.1 57.0 85.6



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: 48.163 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060367.D

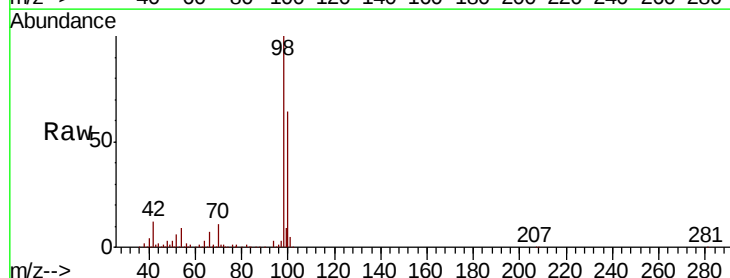
Acq: 5 Mar 2020 15:39

Tgt Ion: 98 Resp: 341599

Ion Ratio Lower Upper

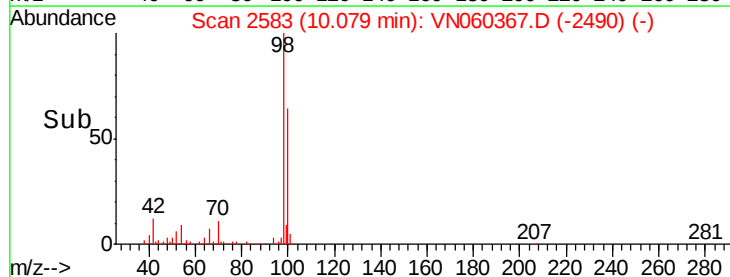
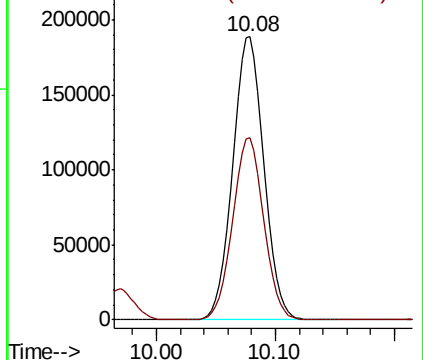
98 100

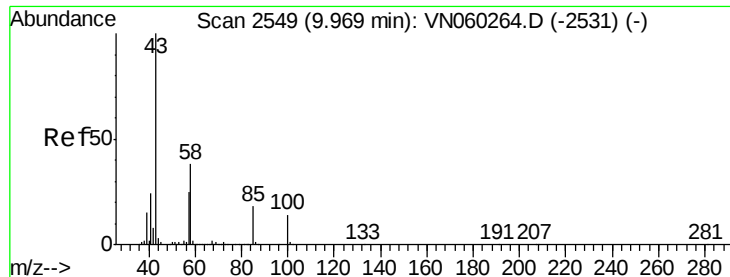
100 64.3 52.2 78.2



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: 97.576 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

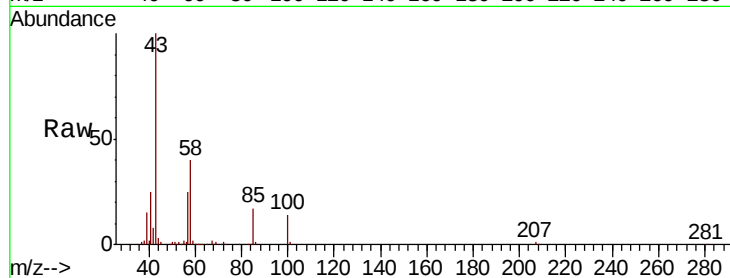
VN0305MBSD01

Tot Ion: 43 Resp: 263881

Ion Ratio Lower Upper

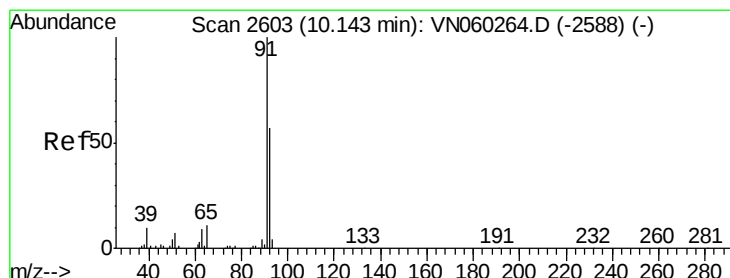
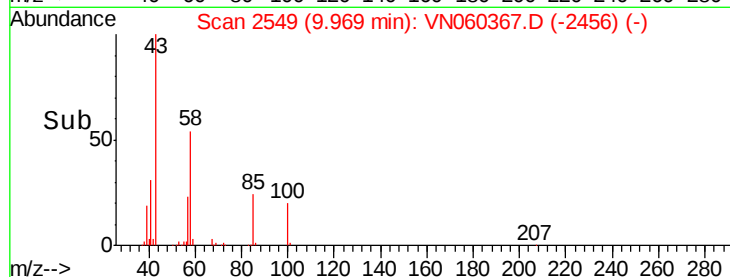
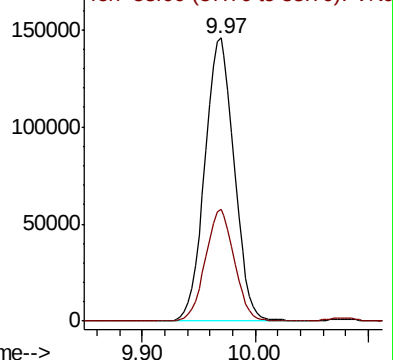
43 100

58 38.8 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.093 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060367.D

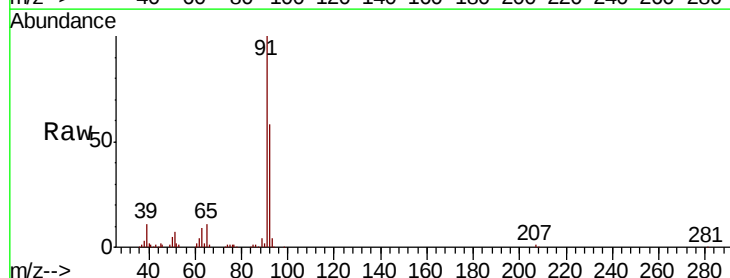
Acq: 5 Mar 2020 15:39

Tgt Ion: 92 Resp: 95184

Ion Ratio Lower Upper

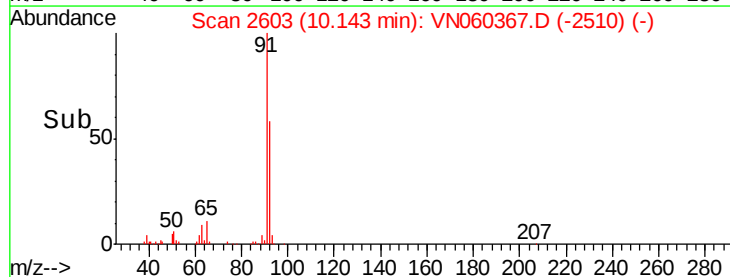
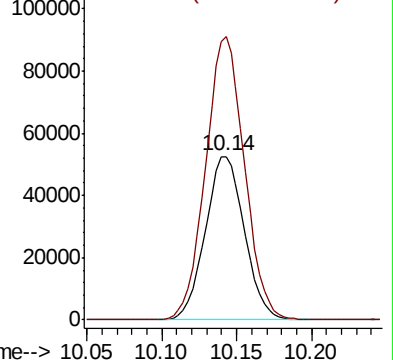
92 100

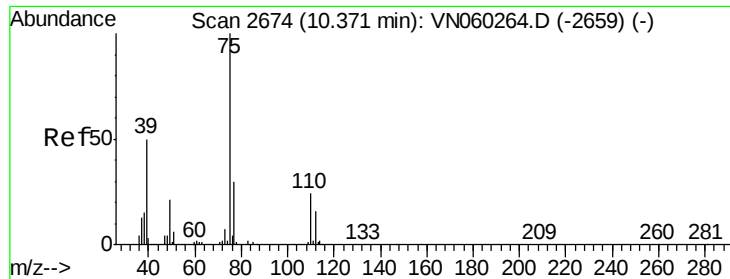
91 172.8 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.000 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

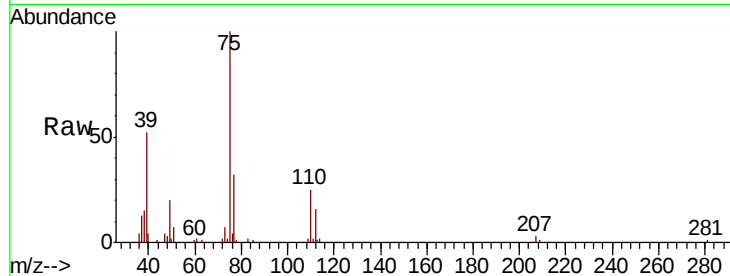
VN0305MBSD01

Tot Ion: 75 Resp: 63734

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

40000

30000

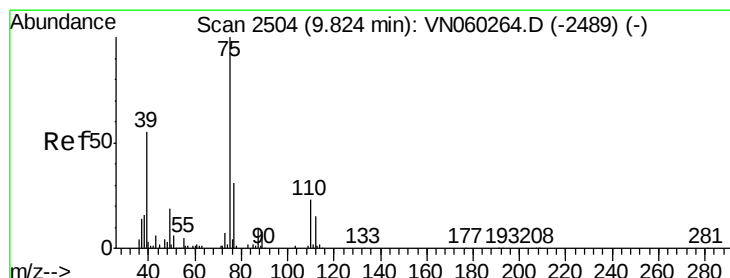
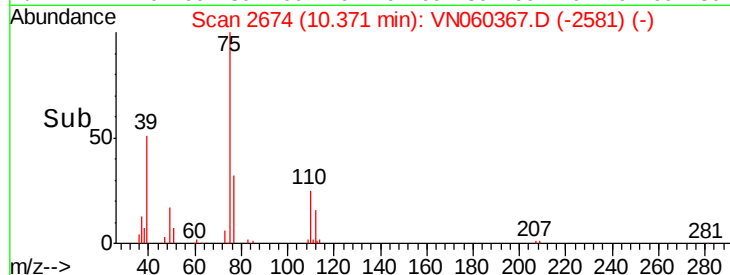
20000

10000

0

Time-->

10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 18.664 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

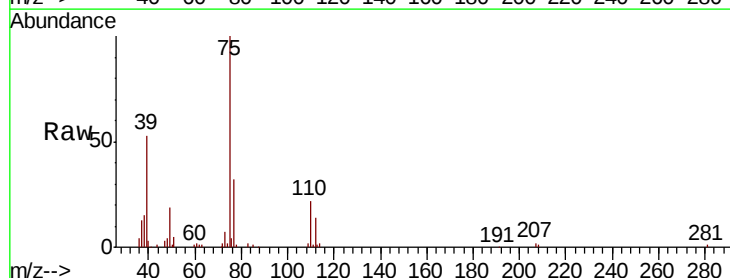
Tgt Ion: 75 Resp: 68477

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 53.5 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.82

50000

40000

30000

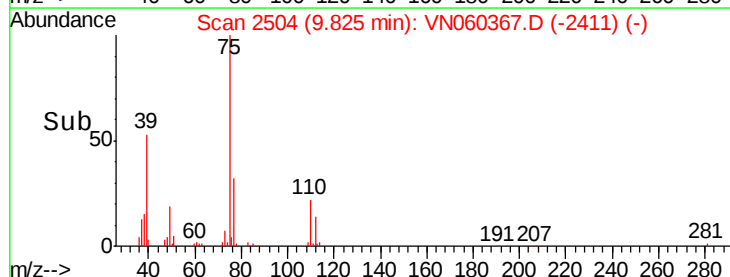
20000

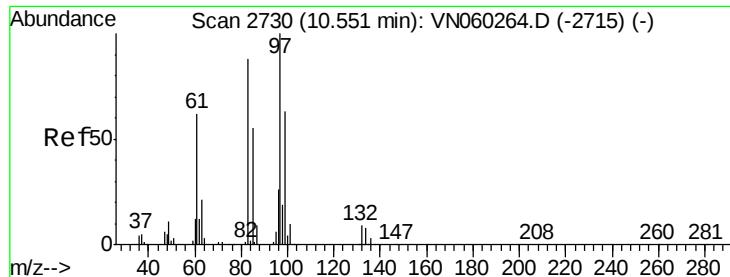
10000

0

Time-->

9.75 9.80 9.85 9.90

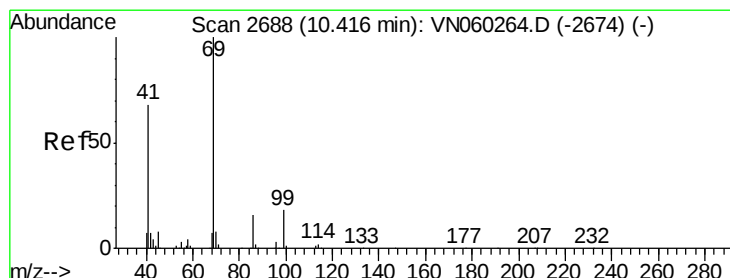
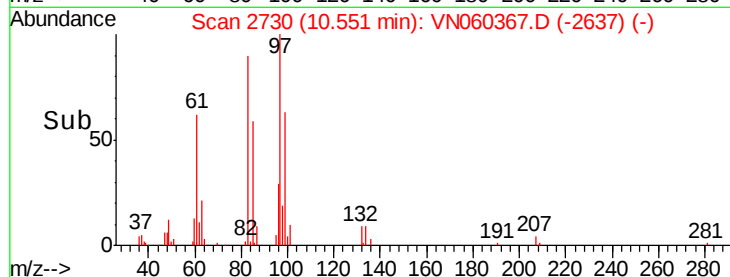
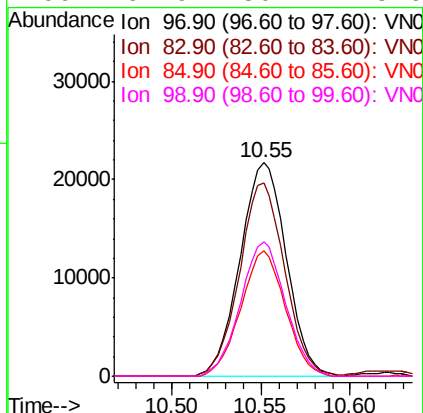
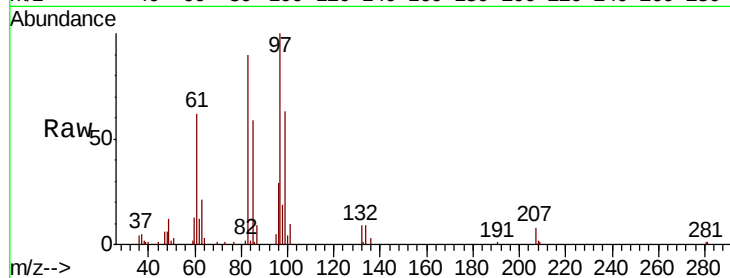




#55  
 1,1,2-Trichloroethane  
 Concen: 18.654 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

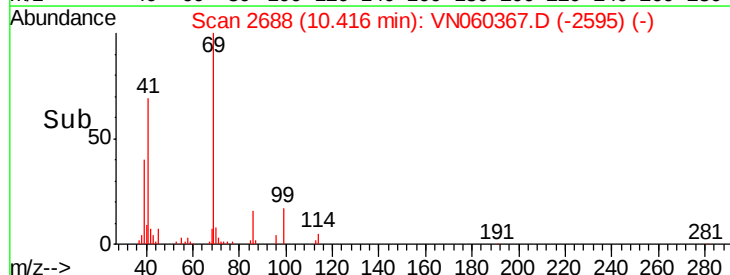
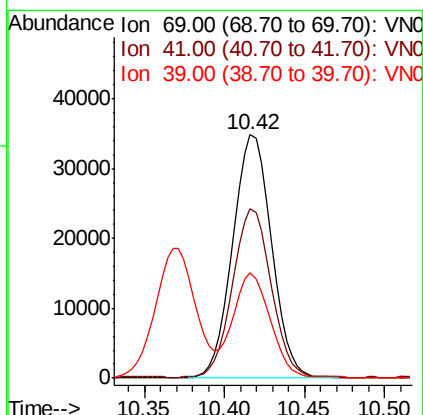
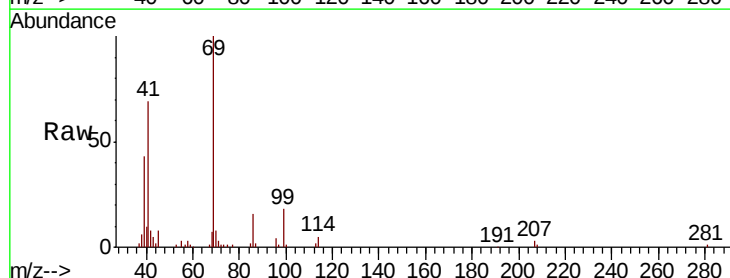
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0305MBSD01

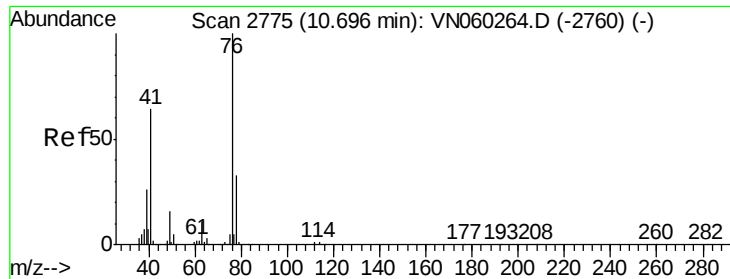
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 39463 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.2  | 70.0  | 105.0 |
| 85       | 58.8  | 44.0  | 66.0  |
| 99       | 62.9  | 50.4  | 75.6  |



#56  
 Ethyl methacrylate  
 Concen: 18.977 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 57677 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.9  | 54.1  | 81.1  |
| 39       | 42.4  | 32.5  | 48.7  |





#57

1,3-Dichloropropane

Concen: 19.619 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

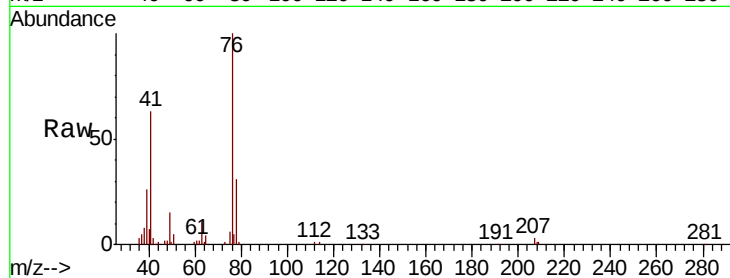
VN0305MBSD01

Tot Ion: 76 Resp: 67689

Ion Ratio Lower Upper

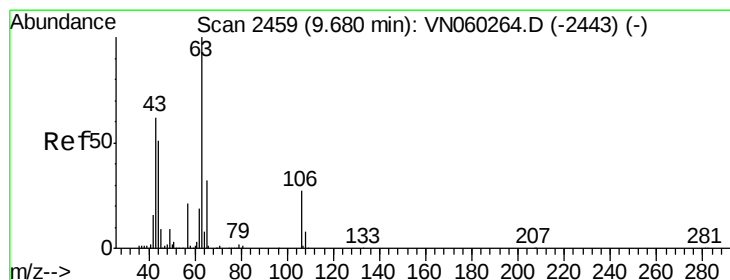
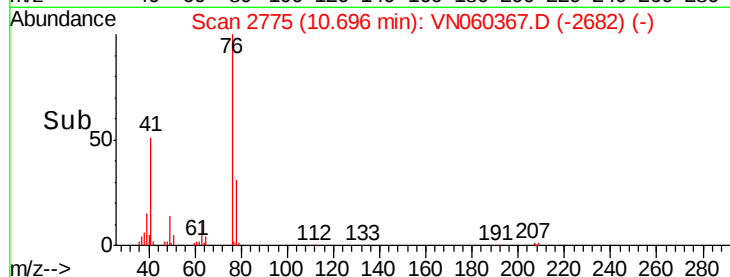
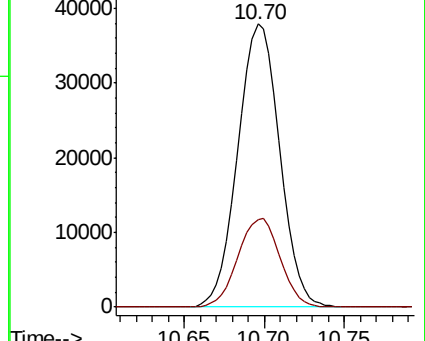
76 100

78 31.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.848 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060367.D

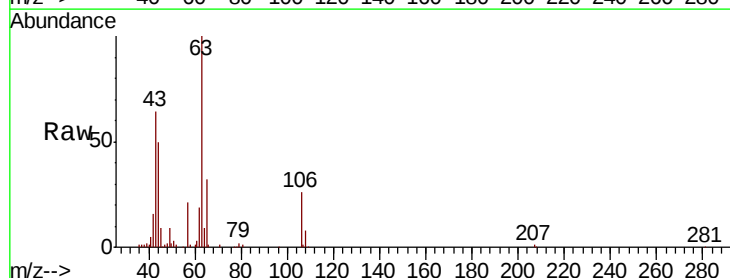
Acq: 5 Mar 2020 15:39

Tgt Ion: 63 Resp: 150770

Ion Ratio Lower Upper

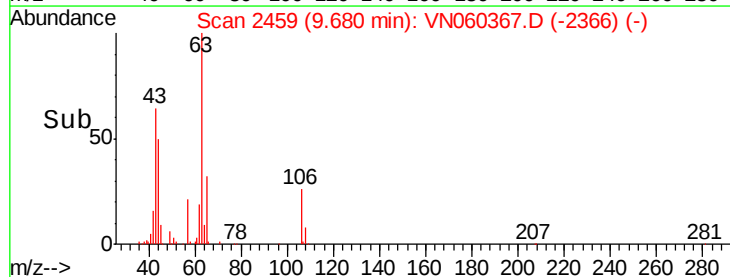
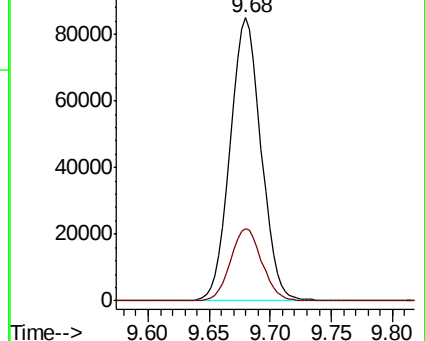
63 100

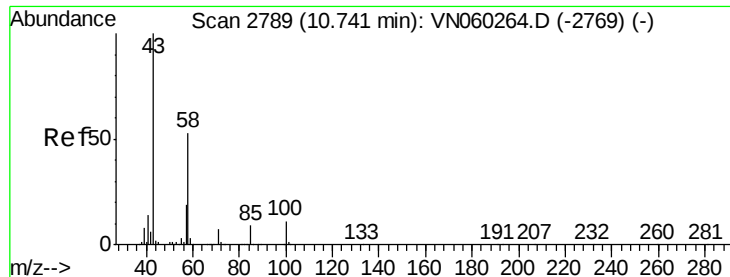
106 25.9 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 92.655 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

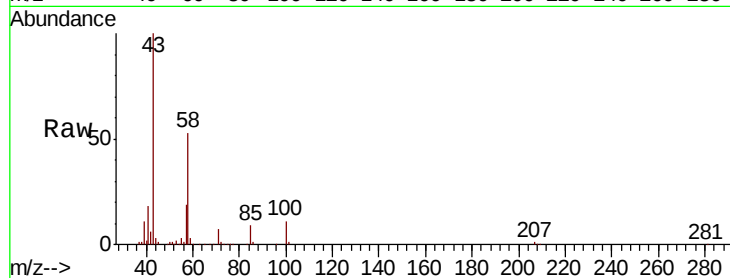
VN0305MBSD01

Tot Ion: 43 Resp: 183977

Ion Ratio Lower Upper

43 100

58 53.0 26.5 79.5



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2769) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2769) (-)

10.74

120000

100000

80000

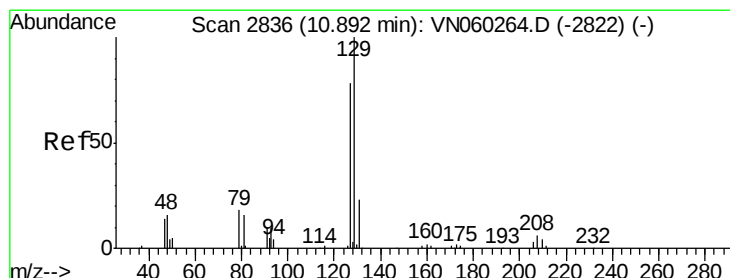
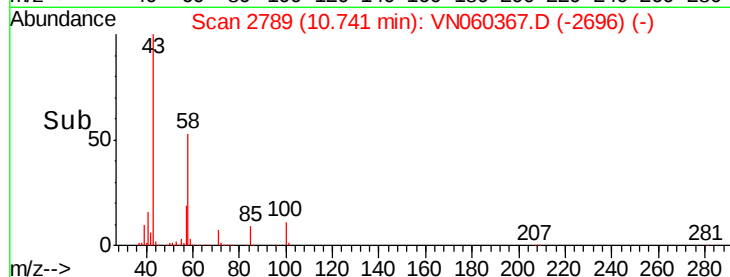
60000

40000

20000

0

Time-->



#60

Dibromochloromethane

Concen: 18.913 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060367.D

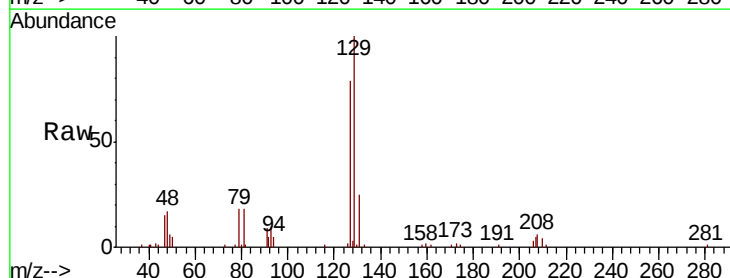
Acq: 5 Mar 2020 15:39

Tgt Ion: 129 Resp: 40690

Ion Ratio Lower Upper

129 100

127 77.5 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): VN060264.D (-2822) (-)

Ion 126.80 (126.50 to 127.50): VN060264.D (-2822) (-)

10.89

25000

20000

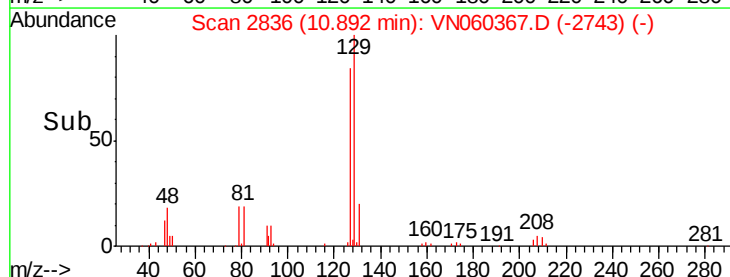
15000

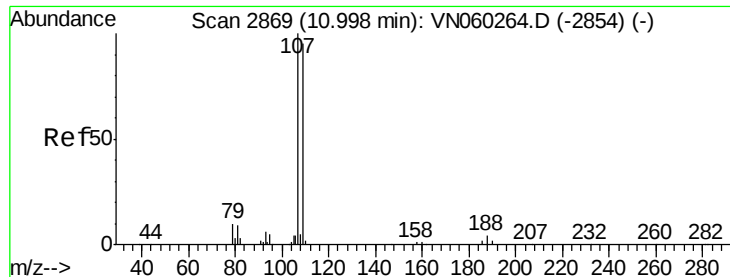
10000

5000

0

Time-->





#61

1,2-Dibromoethane

Concen: 18.659 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

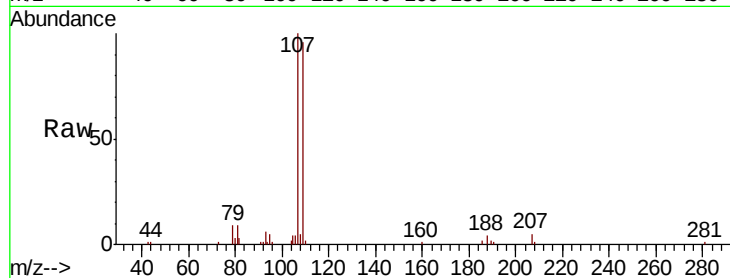
VN0305MBSD01

Tot Ion:107 Resp: 38481

Ion Ratio Lower Upper

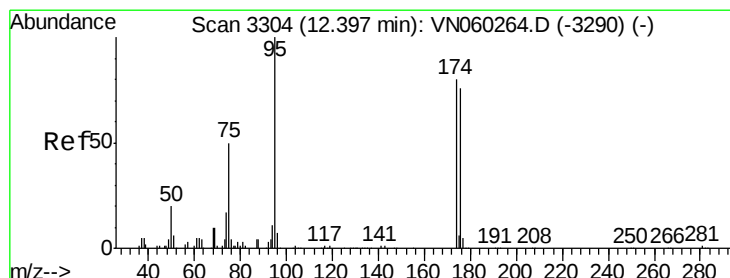
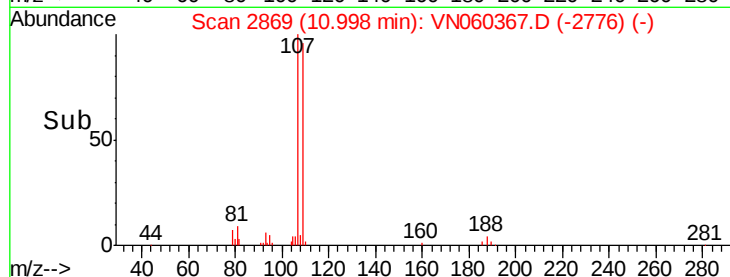
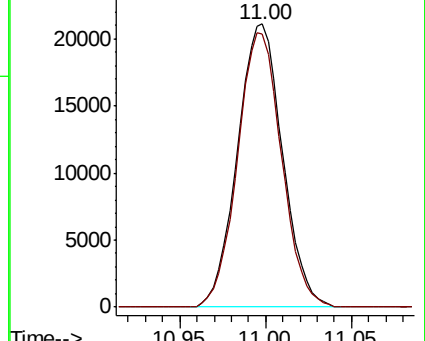
107 100

109 94.7 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.607 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

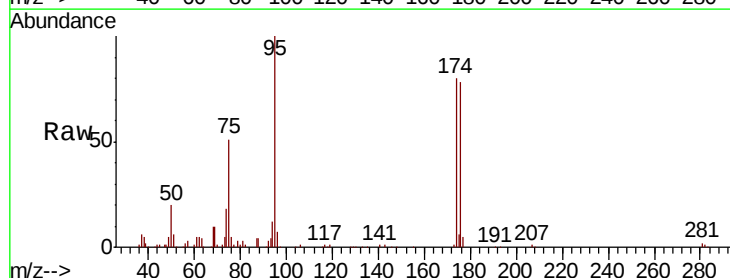
Tgt Ion: 95 Resp: 127996

Ion Ratio Lower Upper

95 100

174 80.3 0.0 159.2

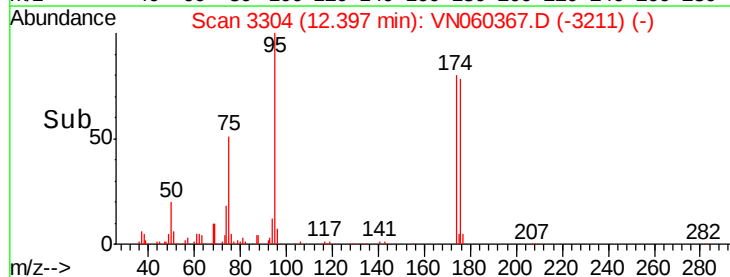
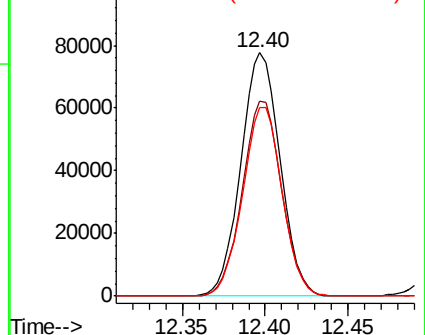
176 78.2 0.0 153.8

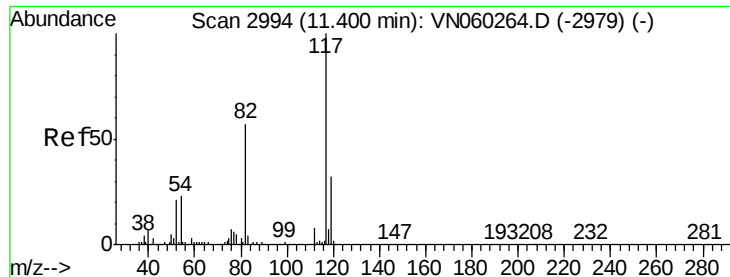


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

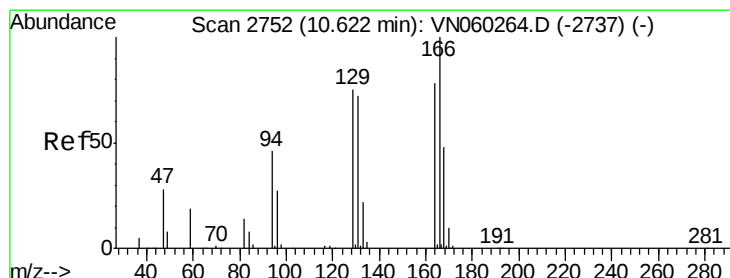
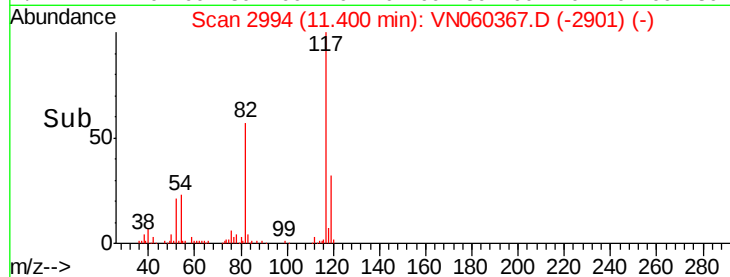
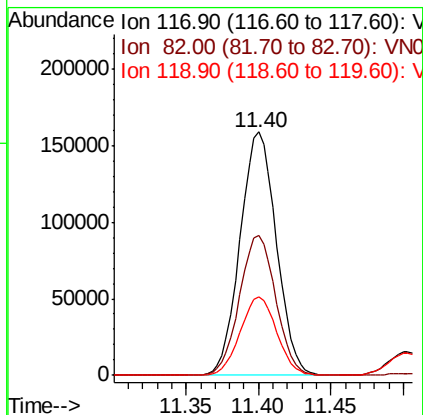
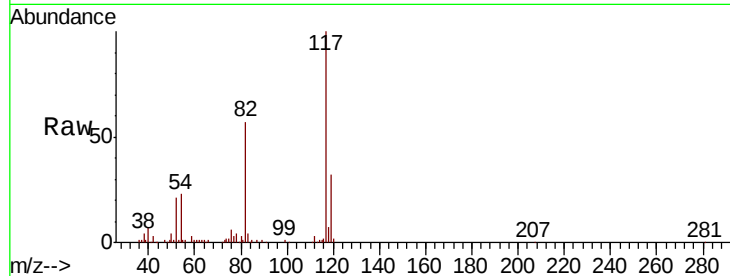




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

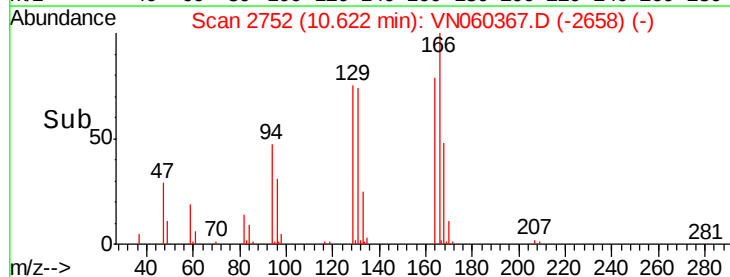
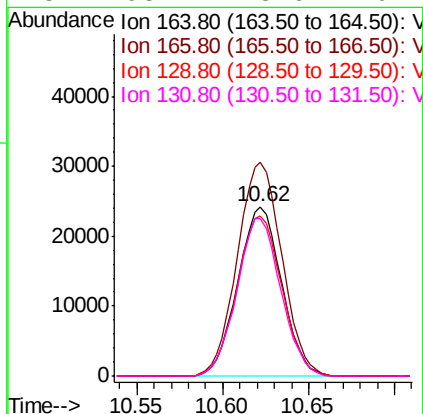
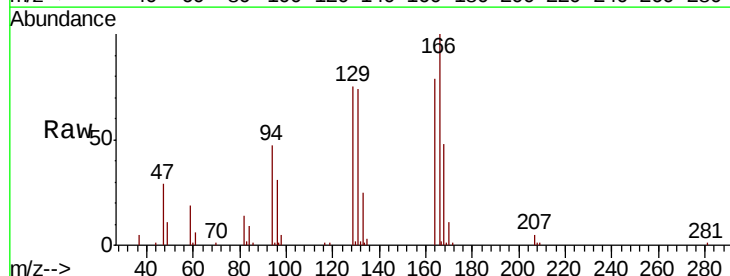
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBSD01

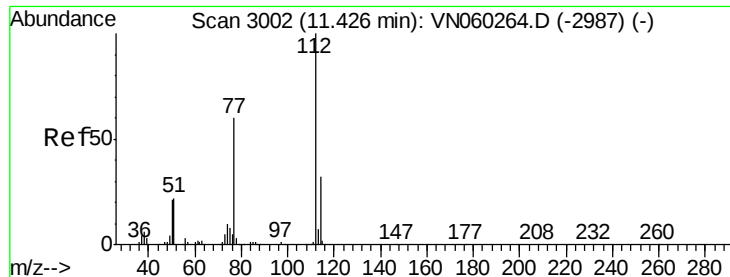
Tot Ion:117 Resp: 277364  
Ion Ratio Lower Upper  
117 100  
82 57.2 45.8 68.6  
119 32.3 25.8 38.8



#64  
Tetrachloroethene  
Concen: 18.659 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Tgt Ion:164 Resp: 42683  
Ion Ratio Lower Upper  
164 100  
166 126.2 102.0 153.0  
129 94.8 76.4 114.6  
131 93.2 73.6 110.4





#65

Chlorobenzene

Concen: 17.615 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

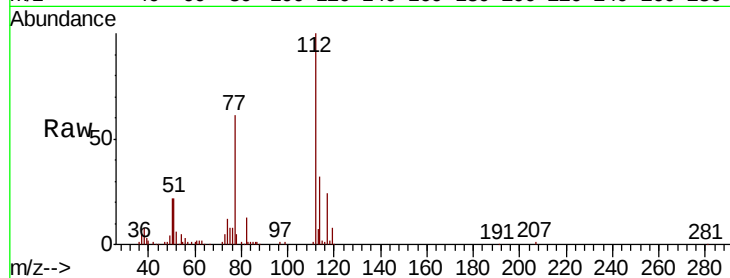
VN0305MBSD01

Tot Ion:112 Resp: 98657

Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

60000

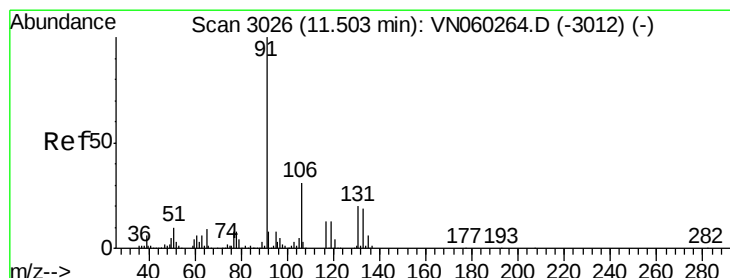
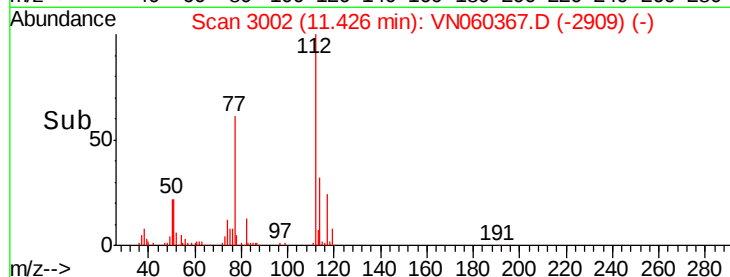
40000

20000

0

11.35 11.40 11.45 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.418 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

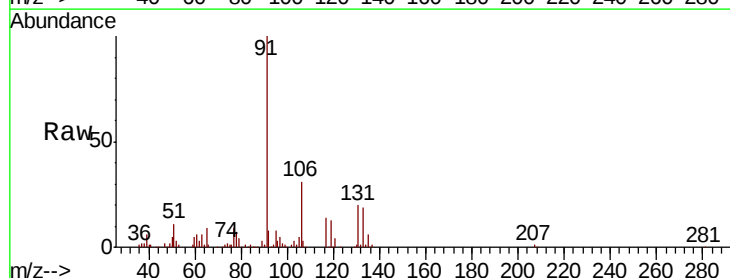
Tgt Ion:131 Resp: 38141

Ion Ratio Lower Upper

131 100

133 96.3 47.7 143.1

119 66.3 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

30000

25000

20000

15000

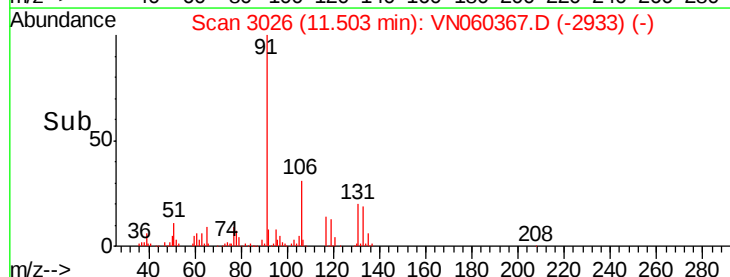
10000

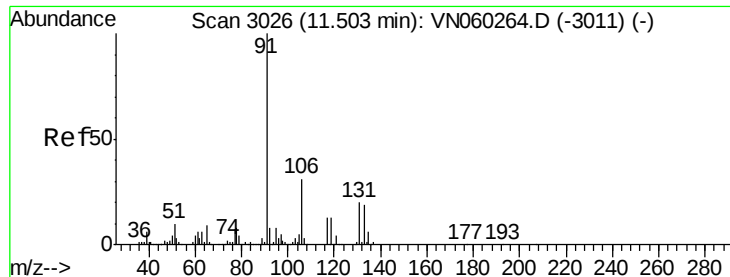
5000

0

11.45 11.50 11.55

Time-->





#67

Ethyl Benzene

Concen: 17.970 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampled :

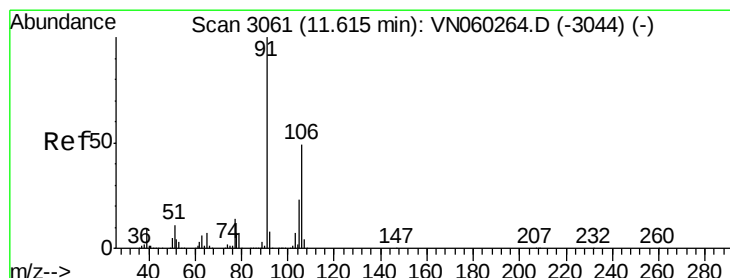
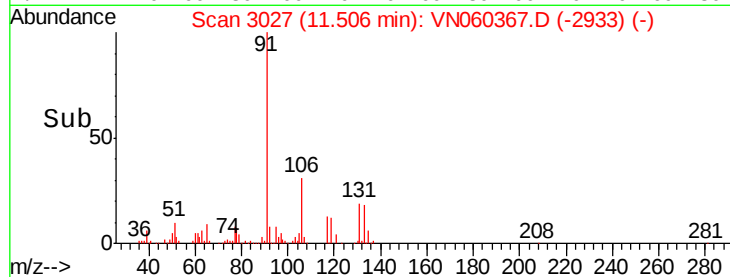
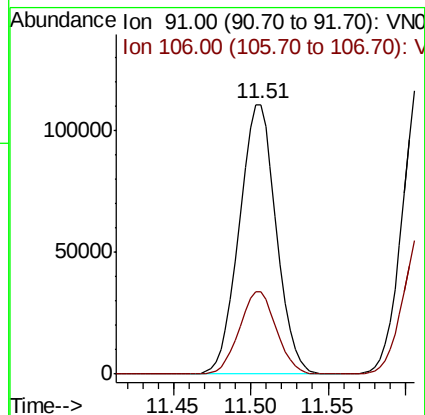
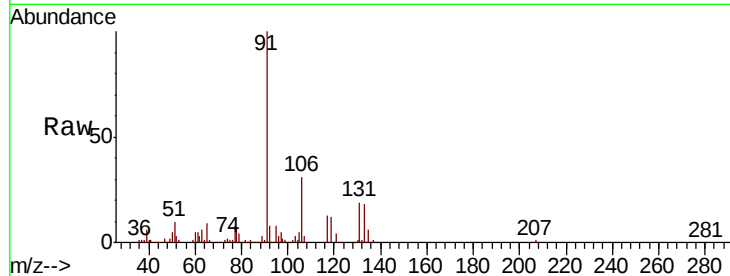
VN0305MBSD01

Tot Ion: 91 Resp: 183281

Ion Ratio Lower Upper

91 100

106 30.5 24.7 37.1



#68

m/p-Xylenes

Concen: 34.992 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060367.D

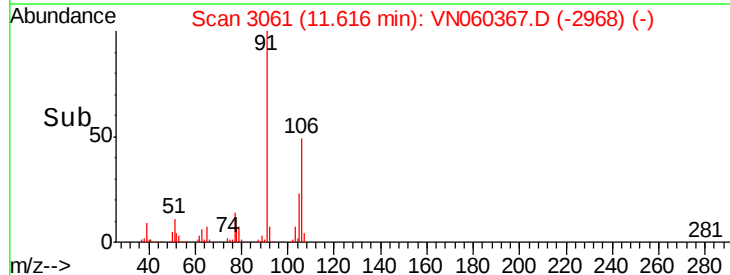
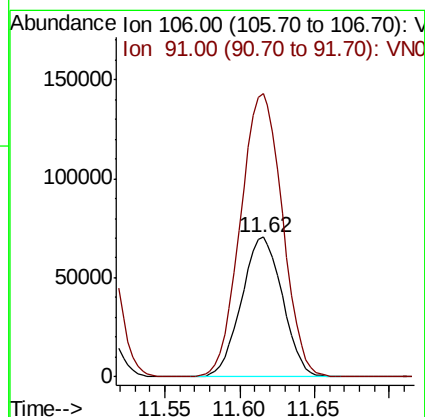
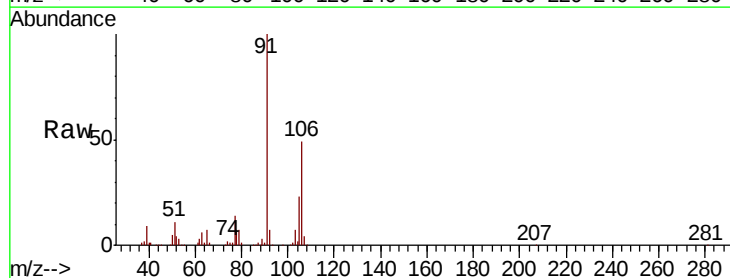
Acq: 5 Mar 2020 15:39

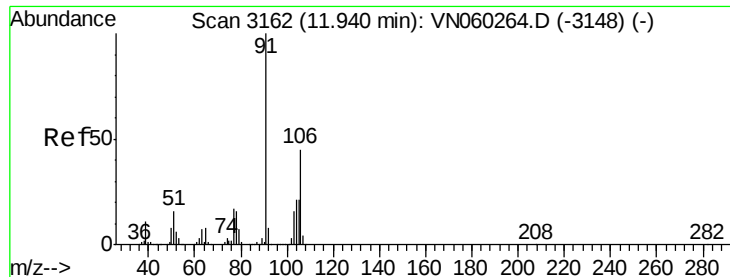
Tgt Ion: 106 Resp: 134655

Ion Ratio Lower Upper

106 100

91 207.1 164.5 246.7





#69

o-Xylene

Concen: 18.218 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

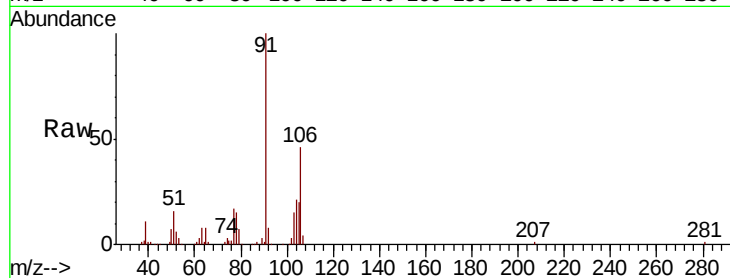
VN0305MBSD01

Tot Ion:106 Resp: 66851

Ion Ratio Lower Upper

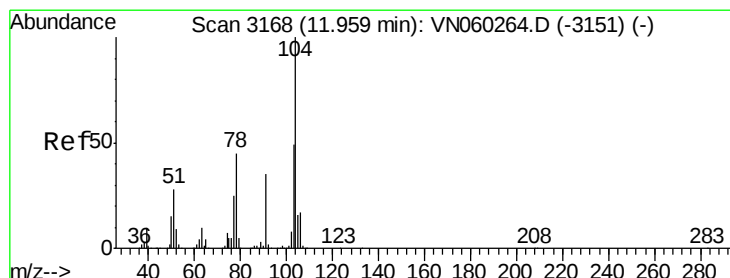
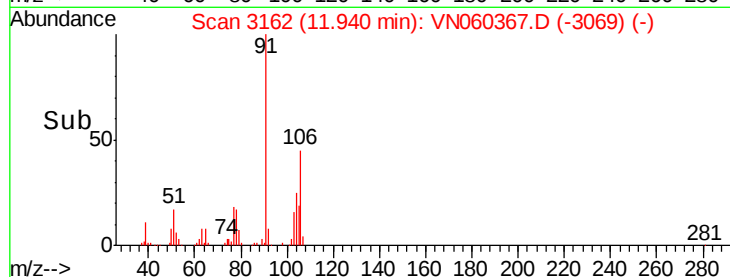
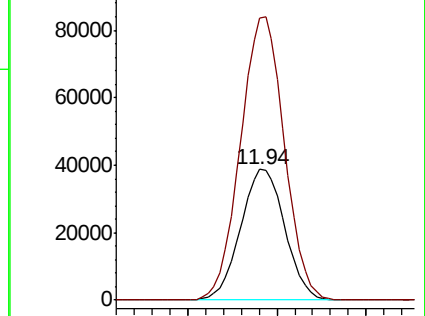
106 100

91 214.9 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 17.503 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

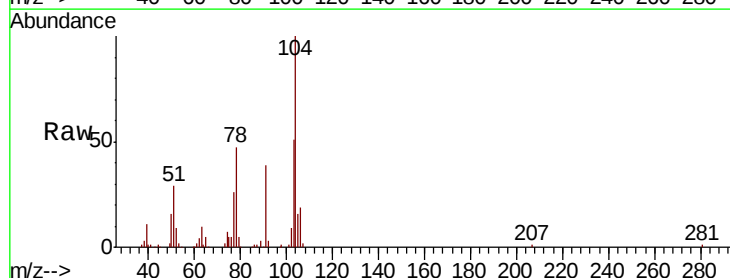
Tgt Ion:104 Resp: 105600

Ion Ratio Lower Upper

104 100

78 52.0 41.2 61.8

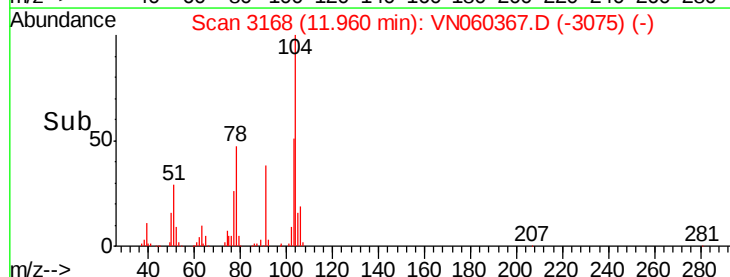
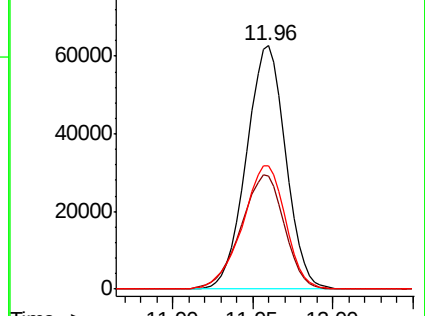
103 55.5 43.9 65.9

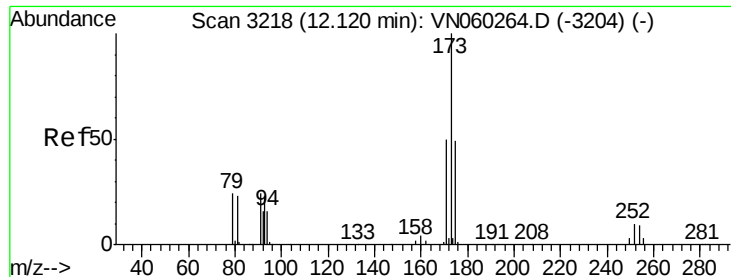


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.102 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

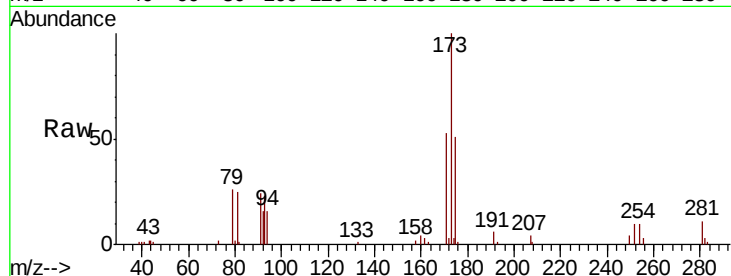
Tot Ion:173 Resp: 28509

Ion Ratio Lower Upper

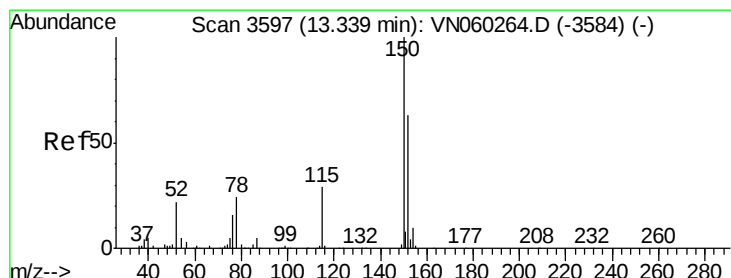
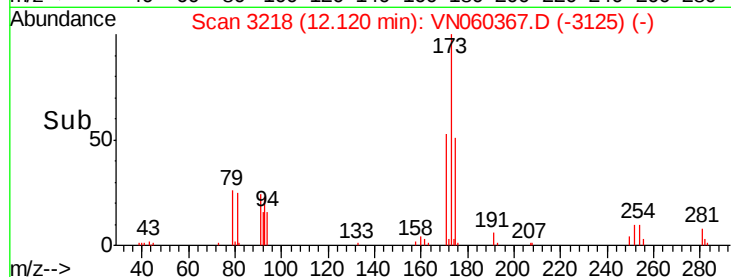
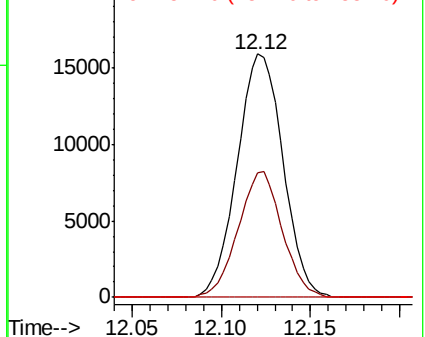
173 100

175 49.4 24.1 72.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

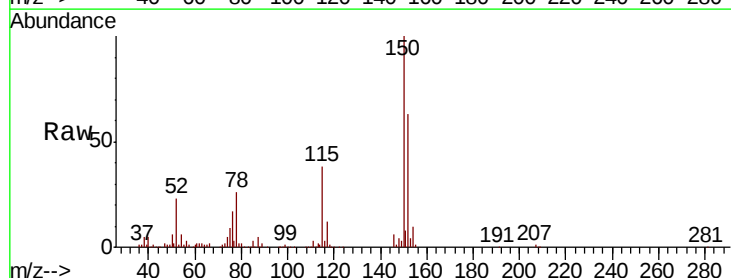
Tgt Ion:152 Resp: 131730

Ion Ratio Lower Upper

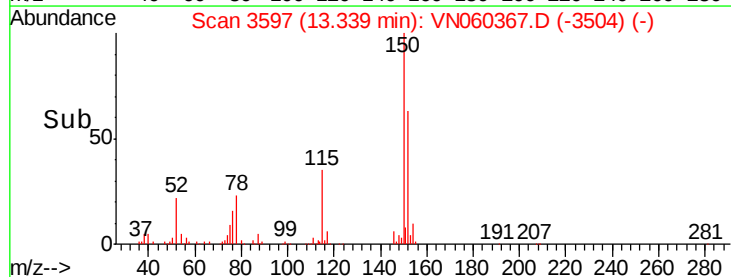
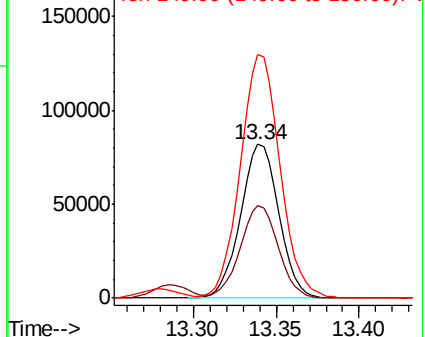
152 100

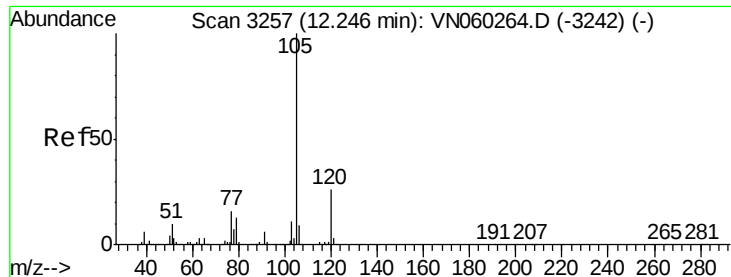
115 59.7 30.0 90.0

150 164.3 0.0 349.6



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





#73

Isopropylbenzene

Concen: 18.046 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

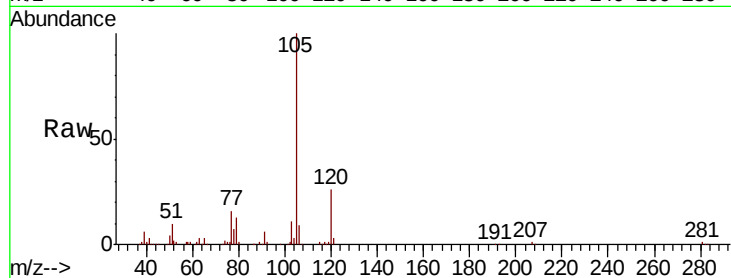
VN0305MBSD01

Tot Ion:105 Resp: 176197

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

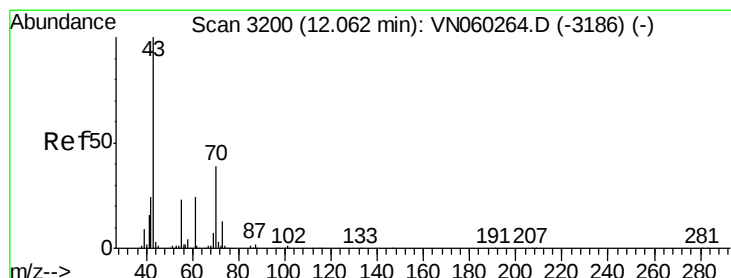
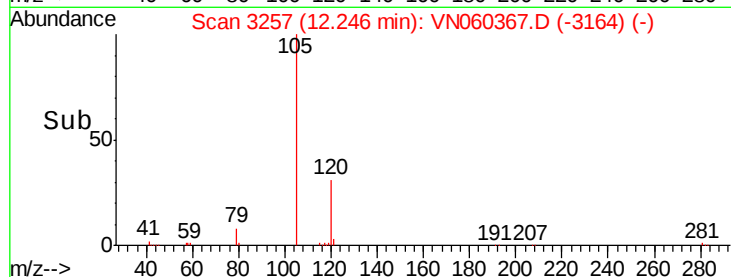
40000

20000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 18.777 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion: 43 Resp: 80110

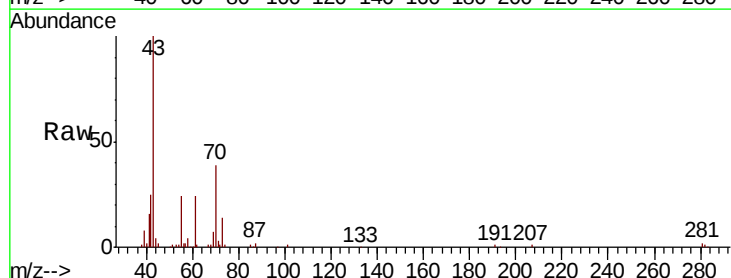
Ion Ratio Lower Upper

43 100

70 39.5 32.2 48.2

55 23.5 18.2 27.4

61 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

80000

60000

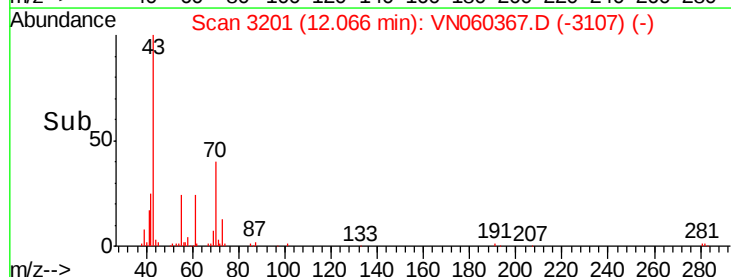
40000

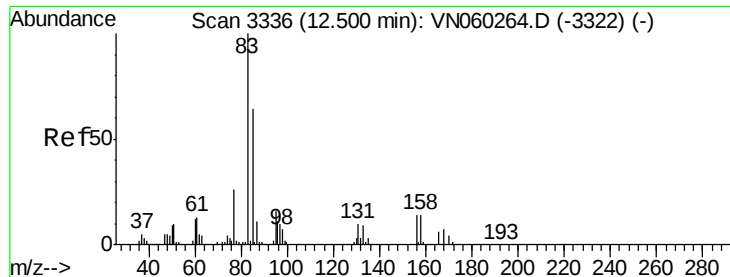
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.377 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

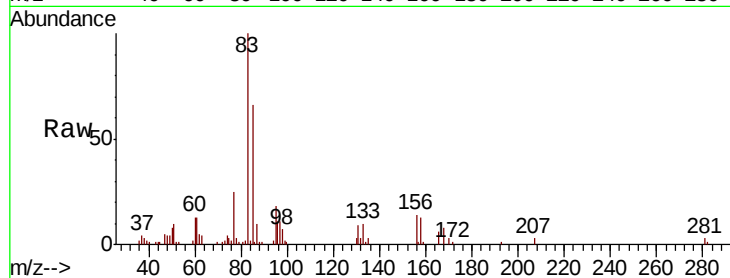
Tot Ion: 83 Resp: 51427

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

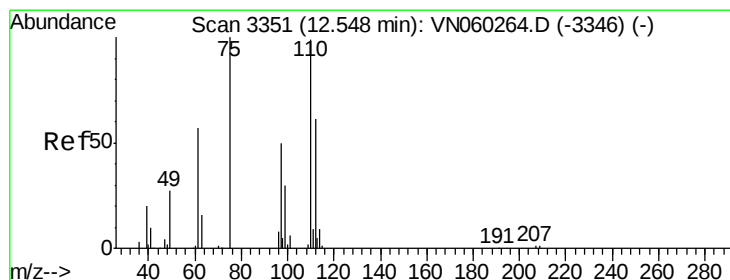
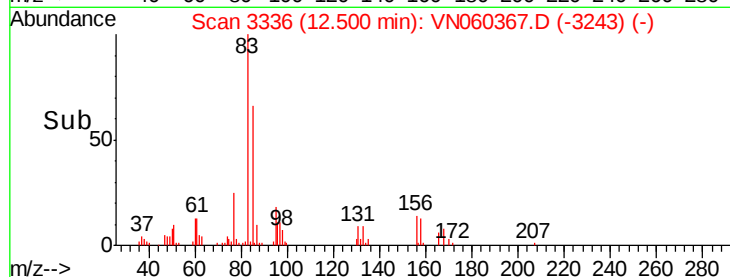
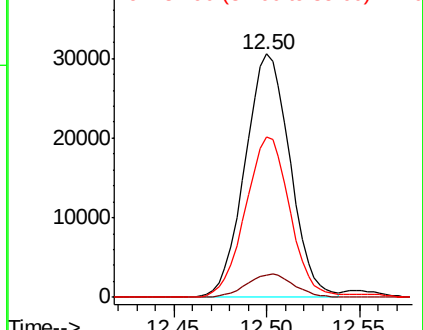
85 65.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.836 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060367.D

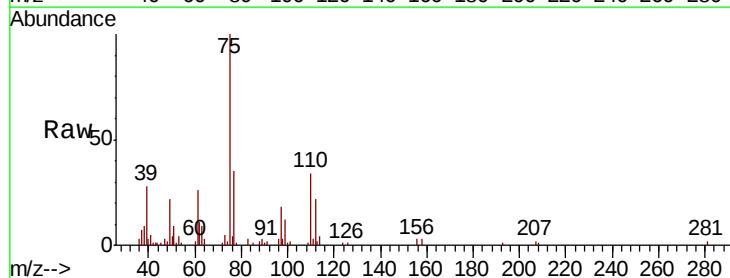
Acq: 5 Mar 2020 15:39

Tgt Ion: 75 Resp: 74671

Ion Ratio Lower Upper

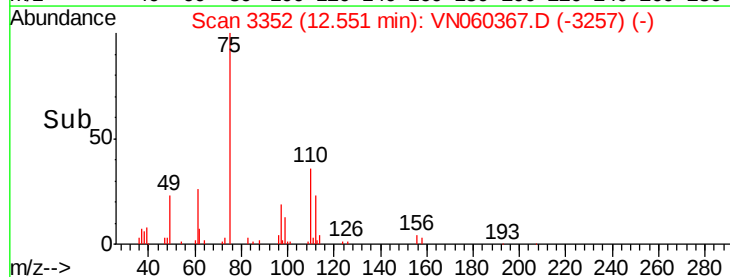
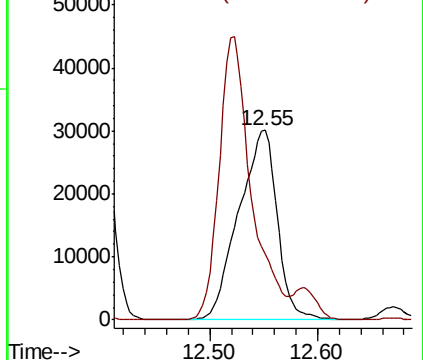
75 100

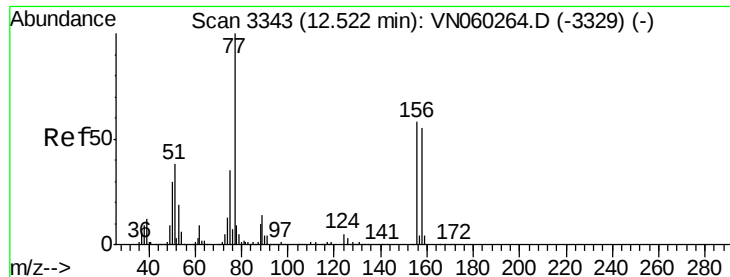
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.240 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

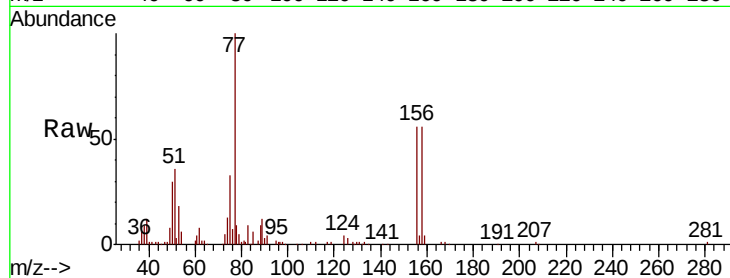
Tot Ion:156 Resp: 43655

Ion Ratio Lower Upper

156 100

77 213.8 106.1 318.3

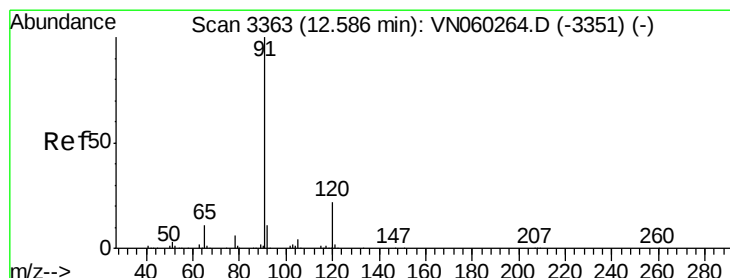
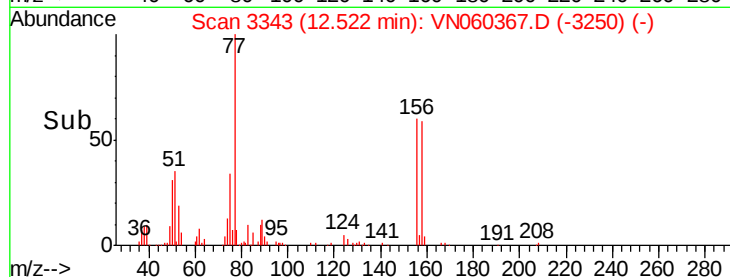
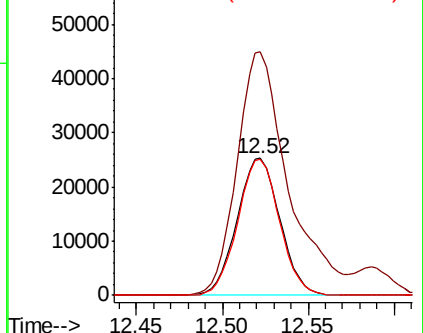
158 96.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.625 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060367.D

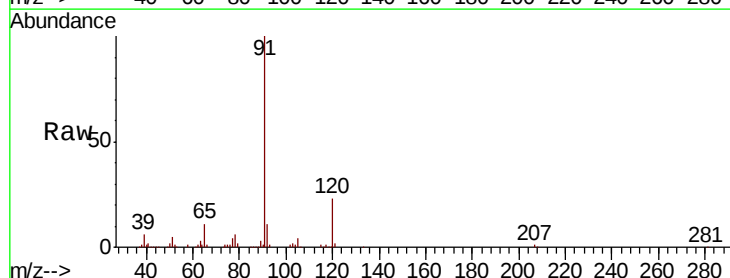
Acq: 5 Mar 2020 15:39

Tgt Ion: 91 Resp: 201714

Ion Ratio Lower Upper

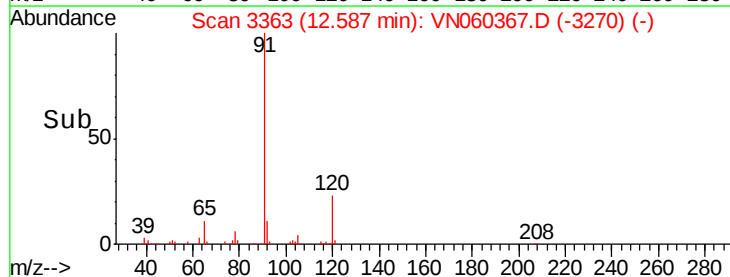
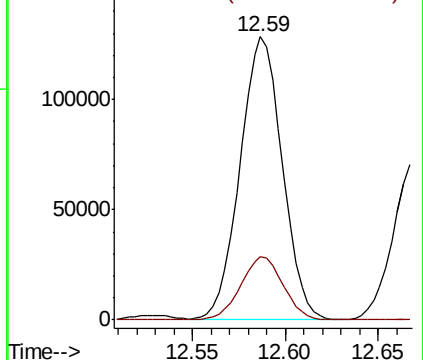
91 100

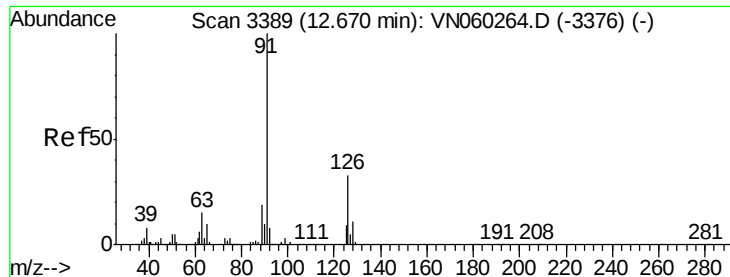
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.010 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

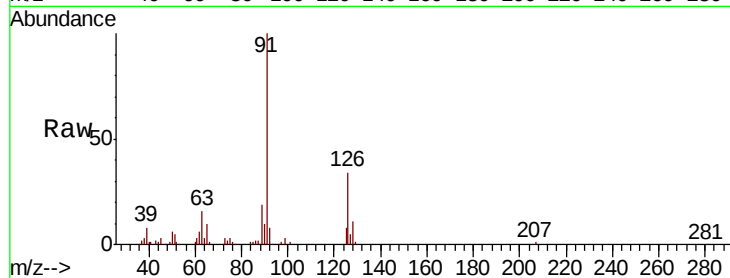
VN0305MBSD01

Tot Ion: 91 Resp: 121165

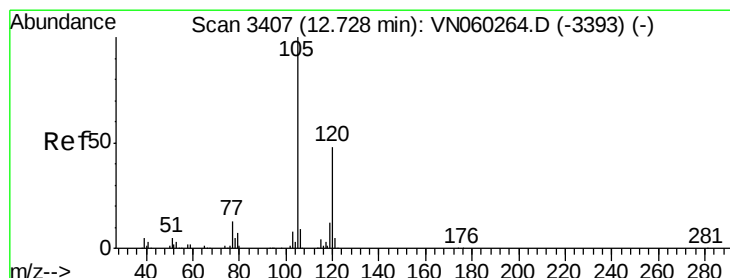
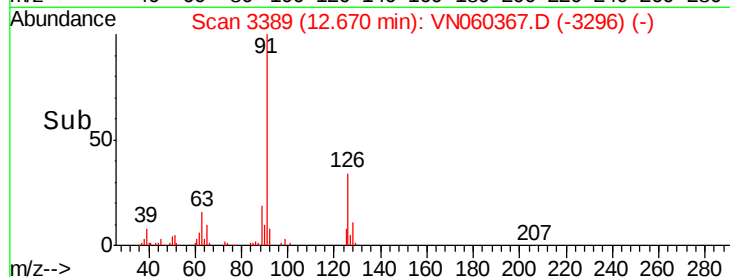
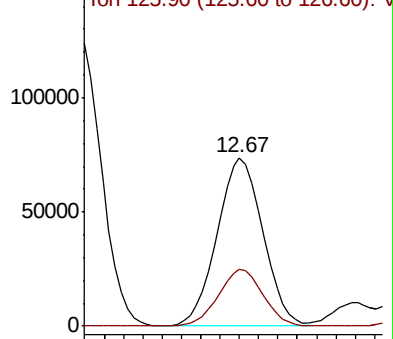
Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060367.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.666 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060367.D

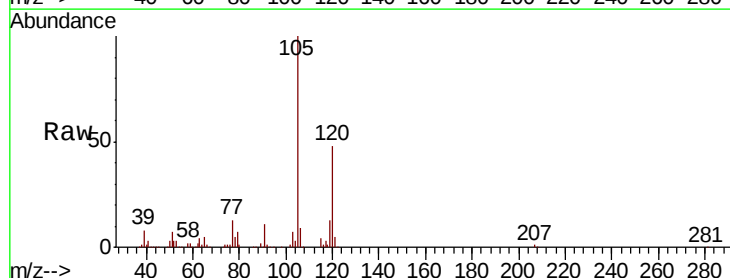
Acq: 5 Mar 2020 15:39

Tgt Ion: 105 Resp: 145221

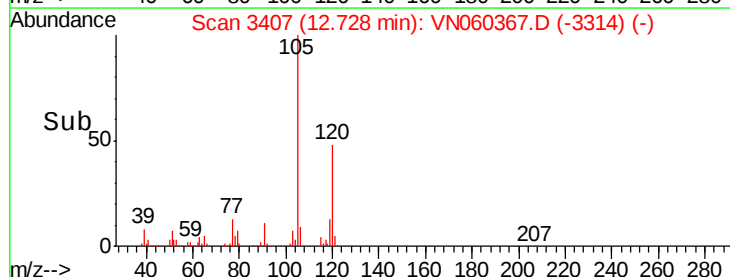
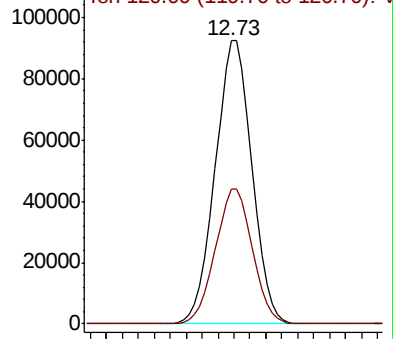
Ion Ratio Lower Upper

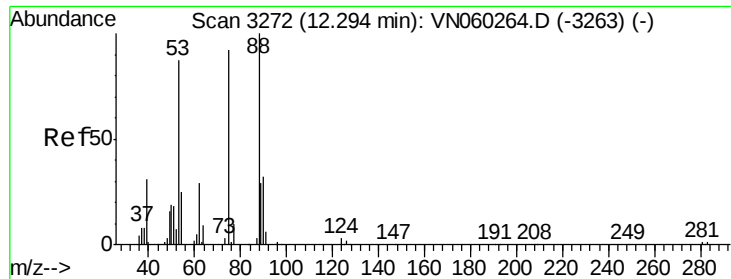
105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060367.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.474 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

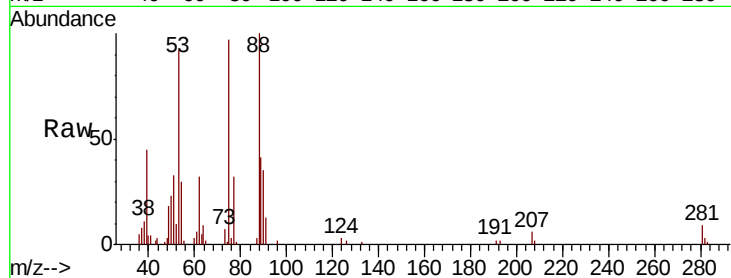
Tot Ion: 75 Resp: 19342

Ion Ratio Lower Upper

75 100

53 97.2 73.8 110.6

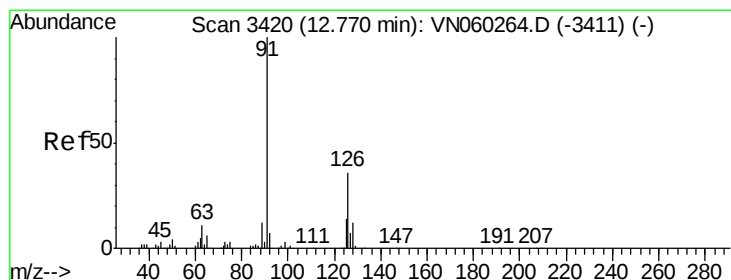
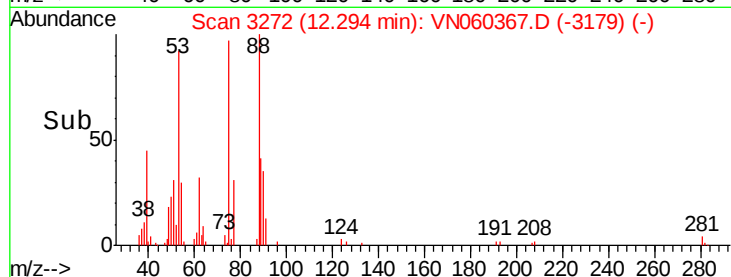
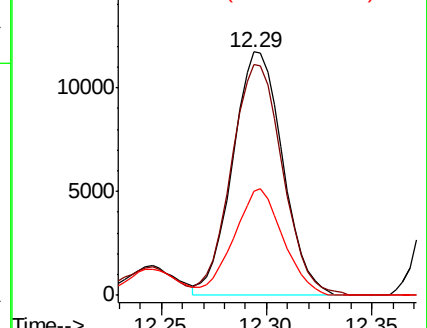
89 43.2 57.1 85.7#



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



#82

4-Chlorotoluene

Concen: 17.661 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060367.D

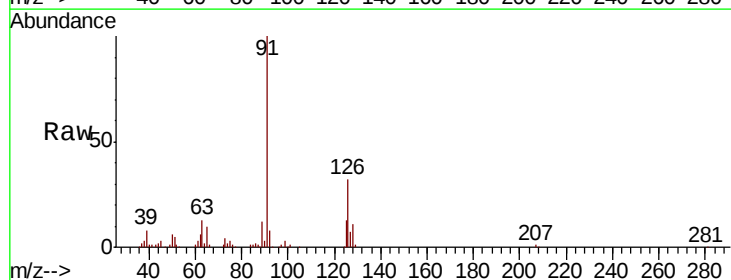
Acq: 5 Mar 2020 15:39

Tgt Ion: 91 Resp: 125184

Ion Ratio Lower Upper

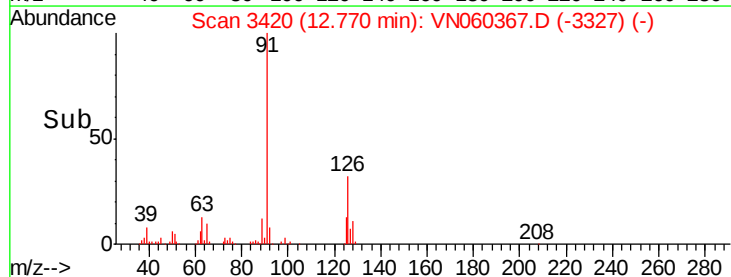
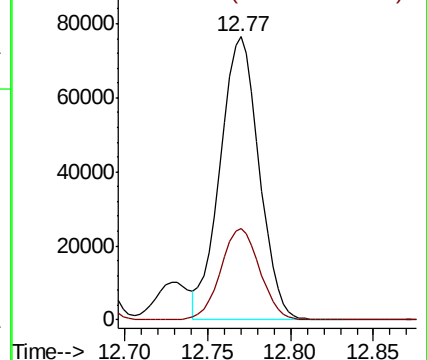
91 100

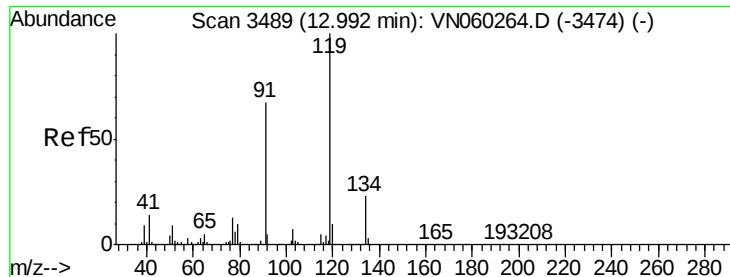
126 32.1 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.178 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

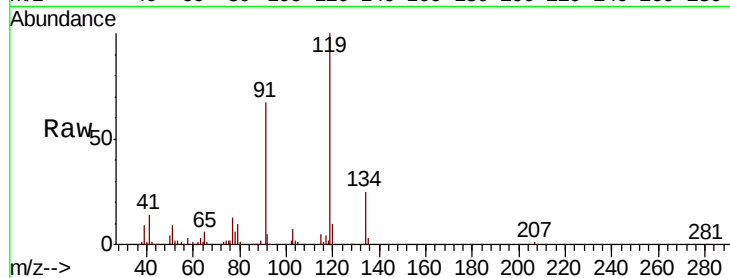
Tot Ion:119 Resp: 122263

Ion Ratio Lower Upper

119 100

91 66.8 33.1 99.2

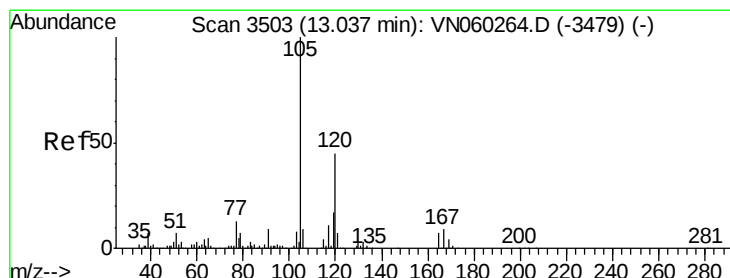
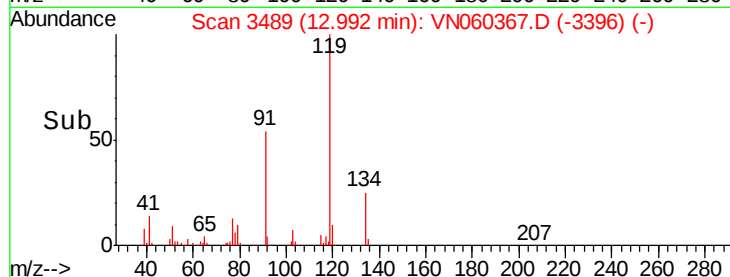
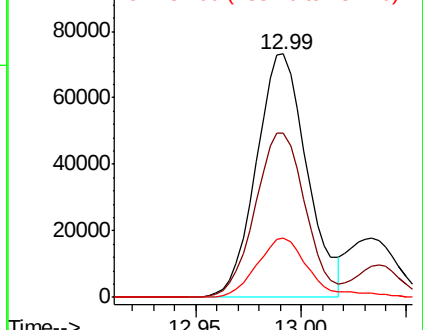
134 25.2 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.657 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060367.D

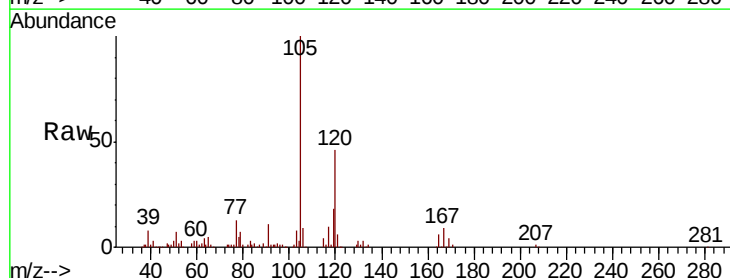
Acq: 5 Mar 2020 15:39

Tgt Ion:105 Resp: 146503

Ion Ratio Lower Upper

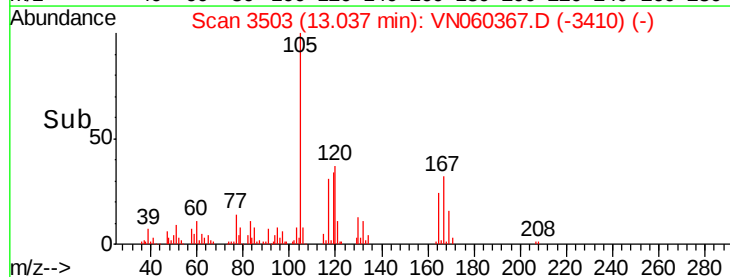
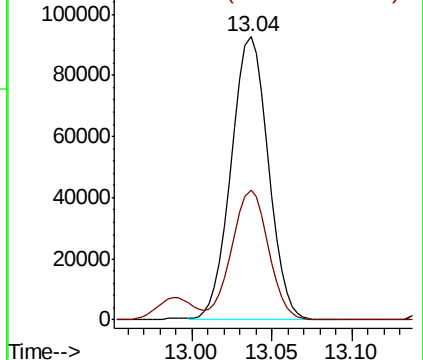
105 100

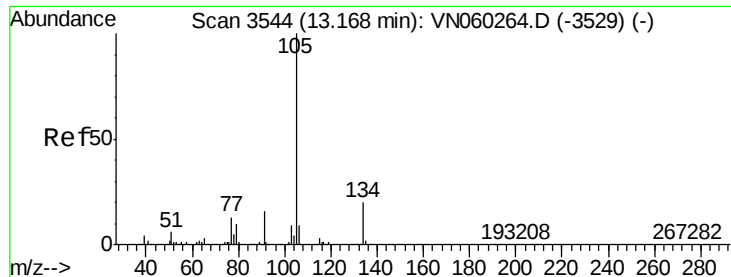
120 45.5 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.629 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

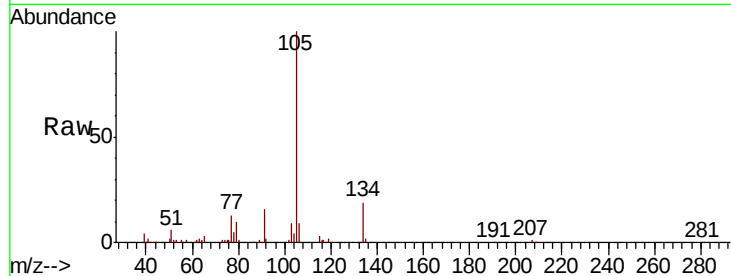
VN0305MBSD01

Tot Ion:105 Resp: 158489

Ion Ratio Lower Upper

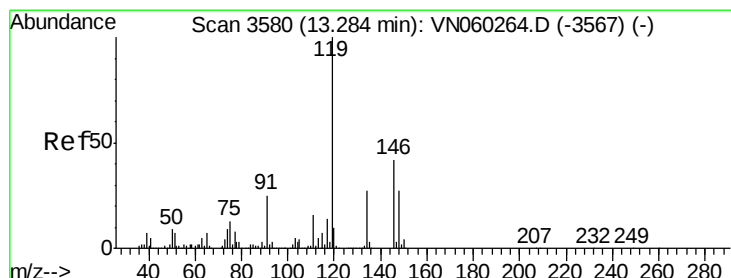
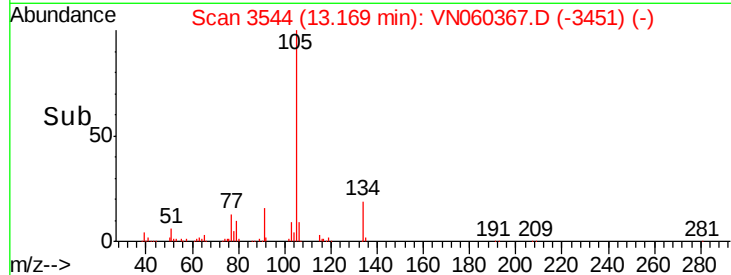
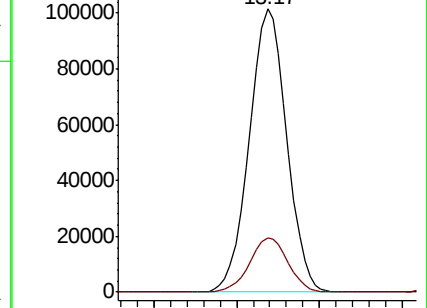
105 100

134 19.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.392 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

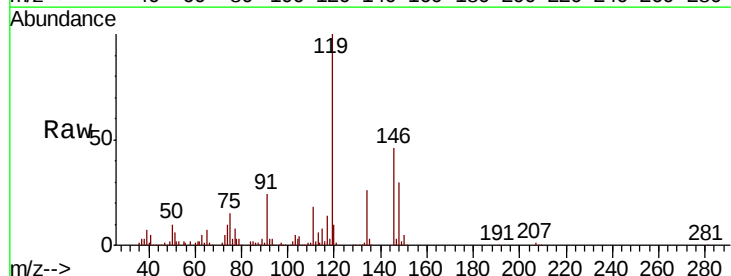
Tgt Ion:119 Resp: 144604

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

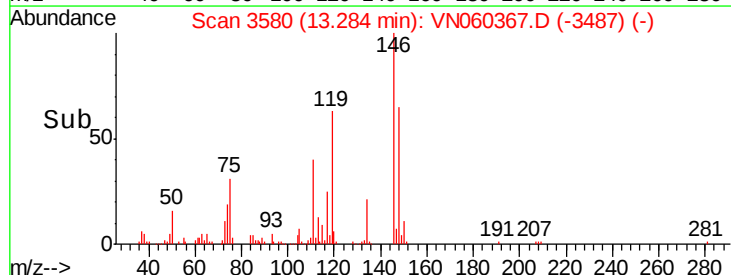
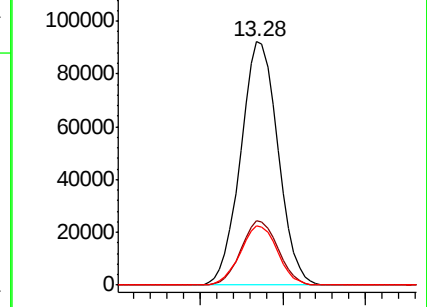
91 24.5 12.2 36.6

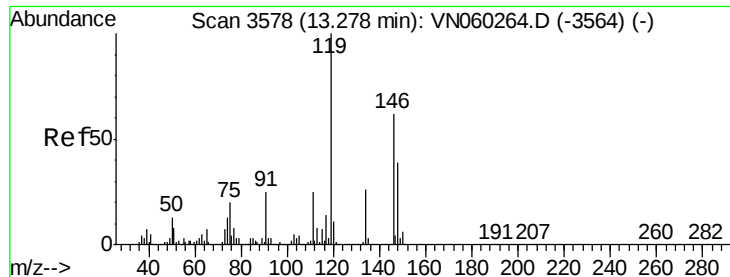


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.559 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0305MBSD01

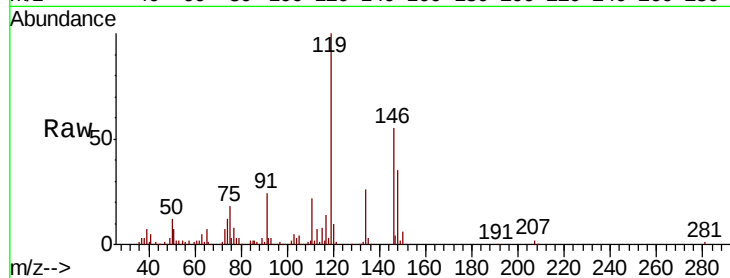
Tot Ion:146 Resp: 76814

Ion Ratio Lower Upper

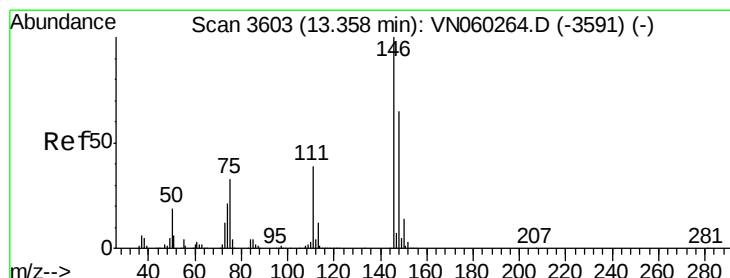
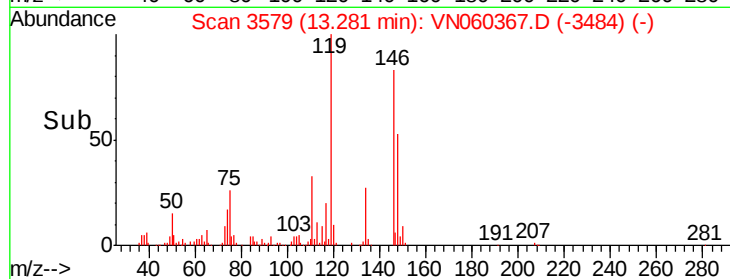
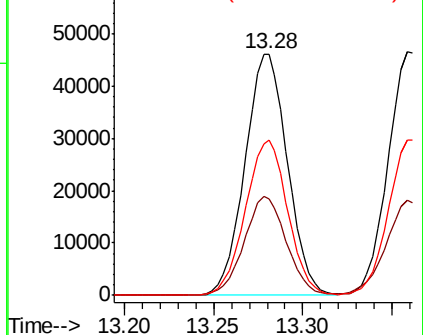
146 100

111 40.7 20.0 59.9

148 64.0 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 18.874 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

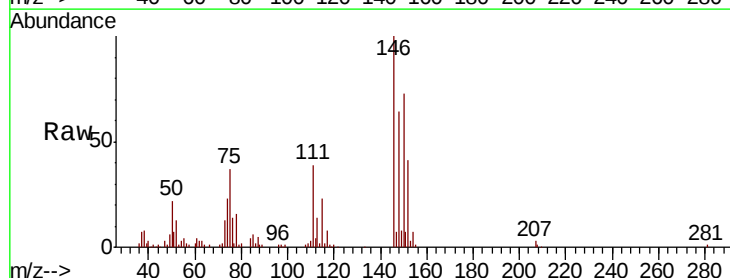
Tgt Ion:146 Resp: 78056

Ion Ratio Lower Upper

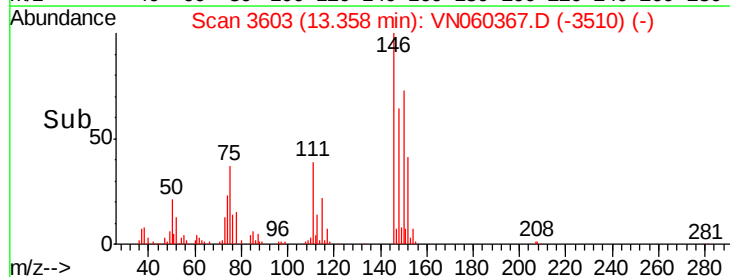
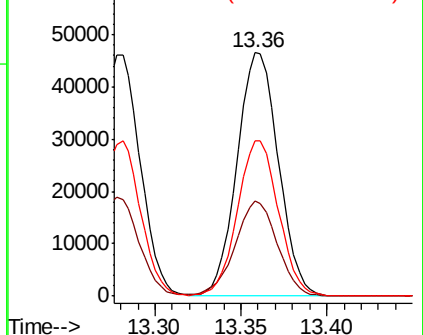
146 100

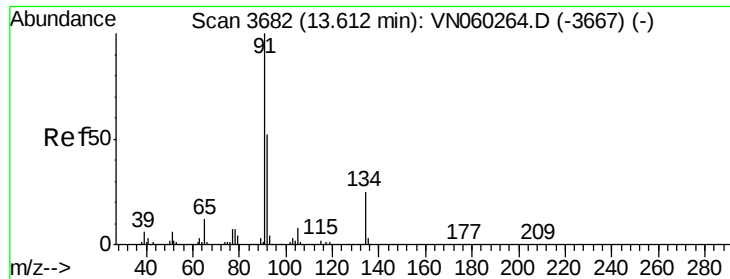
111 39.9 19.8 59.4

148 63.3 32.3 96.9



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

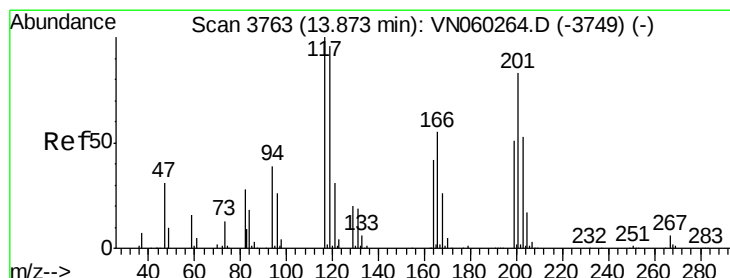
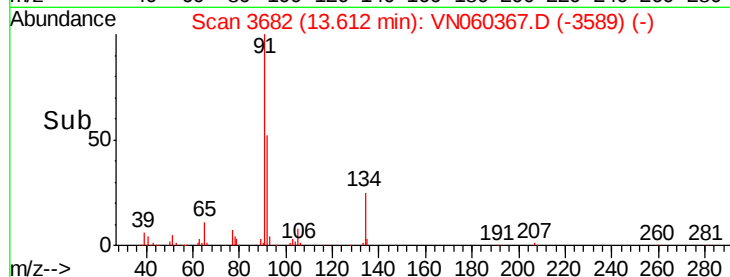
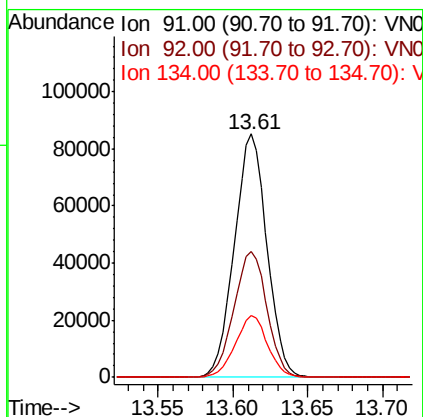
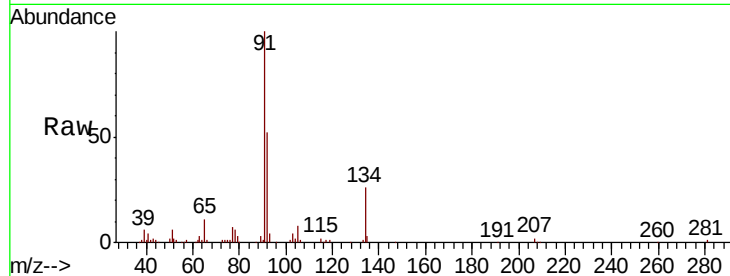




#89  
n-Butylbenzene  
Concen: 15.908 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

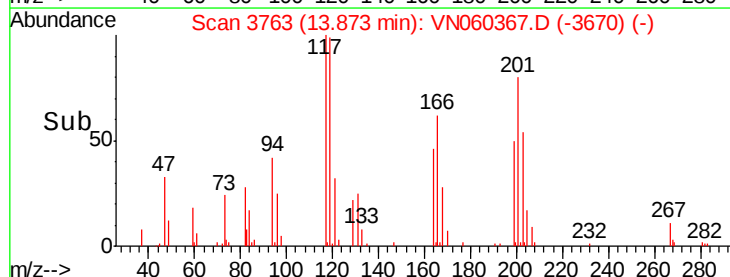
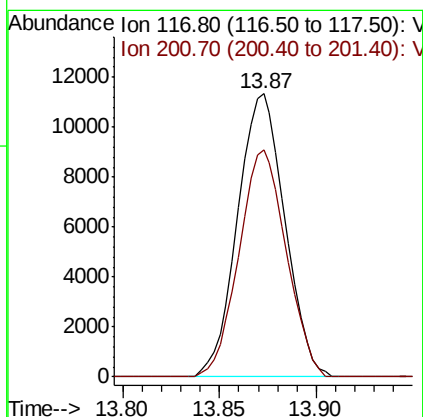
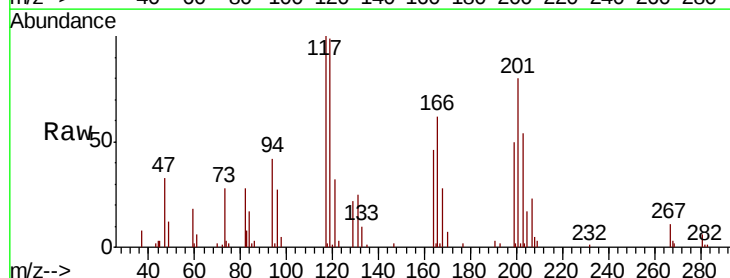
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBS01

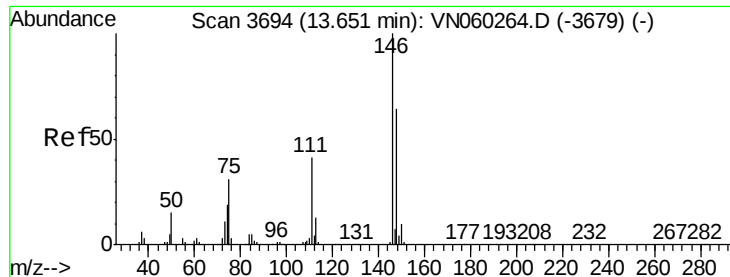
Tot Ion: 91 Resp: 128821  
Ion Ratio Lower Upper  
91 100  
92 52.4 26.0 78.0  
134 25.0 12.7 38.1



#90  
Hexachloroethane  
Concen: 15.104 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Tgt Ion: 117 Resp: 19286  
Ion Ratio Lower Upper  
117 100  
201 80.0 41.0 123.0

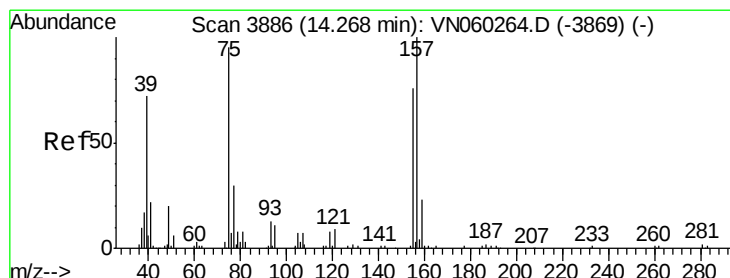
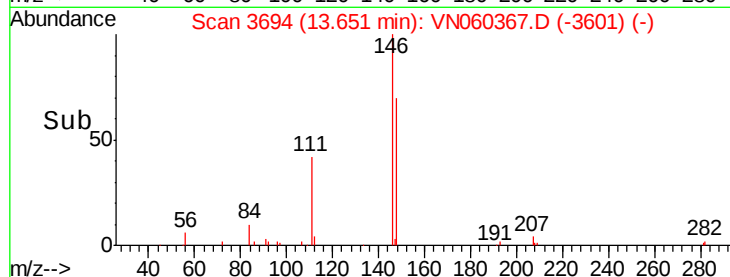
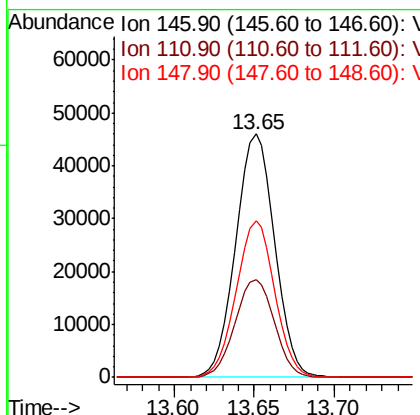
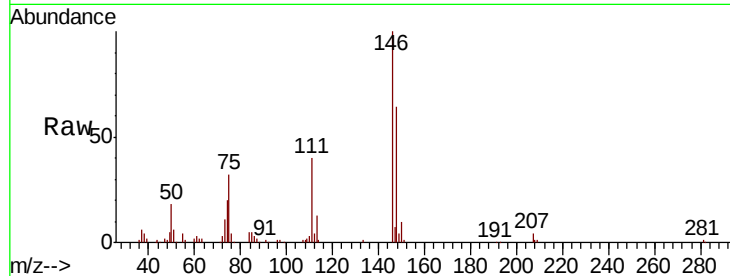




#91  
 1,2-Dichlorobenzene  
 Concen: 18.166 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

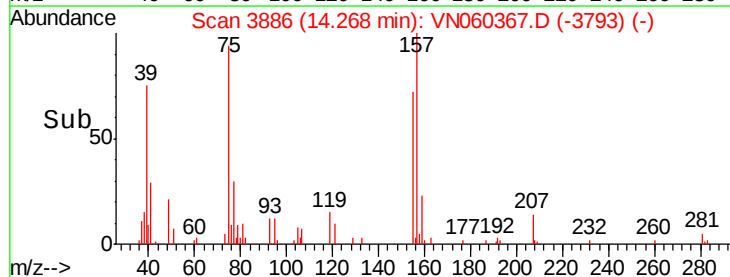
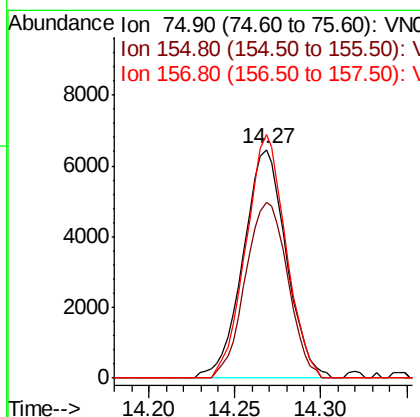
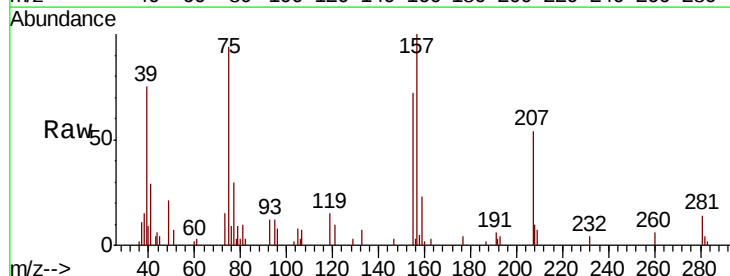
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0305MBSD01

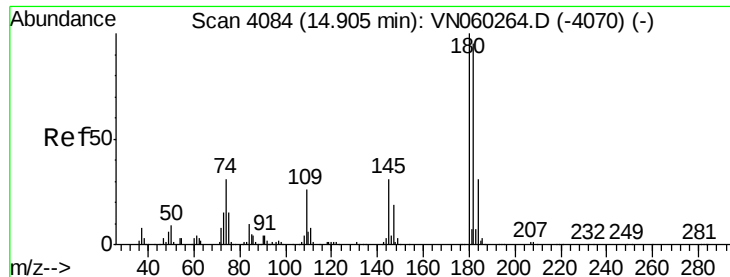
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 20.3  | 61.0  |
| 148     | 63.7  | 31.8  | 95.3  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.682 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 75.7  | 40.4  | 121.2 |
| 157     | 98.9  | 52.5  | 157.5 |

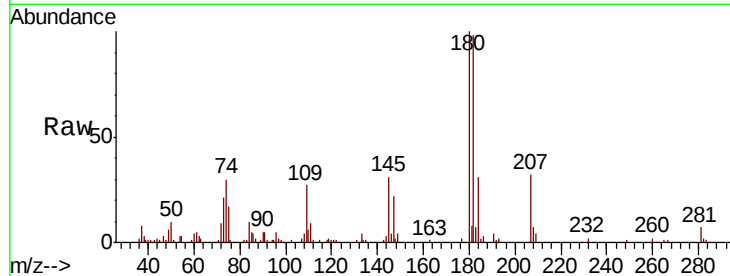




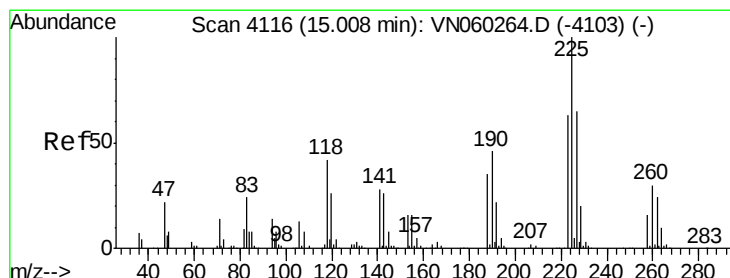
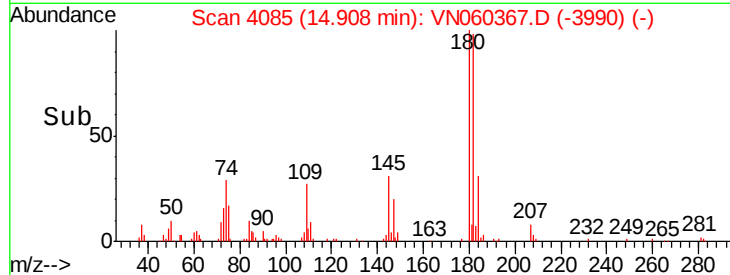
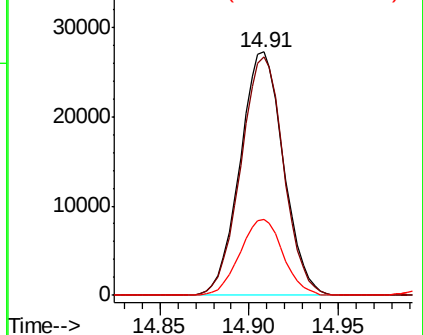
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.403 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0305MBSD01

Tot Ion:180 Resp: 46221  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 47.8 143.3  
 145 30.8 15.4 46.1

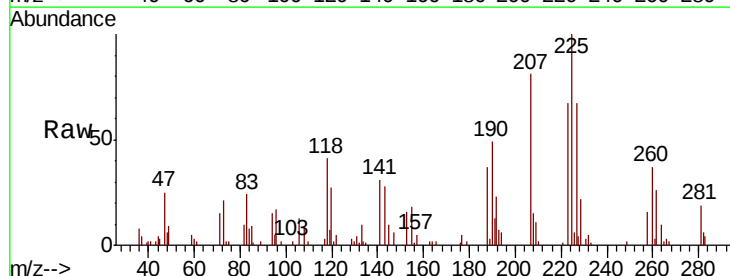


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

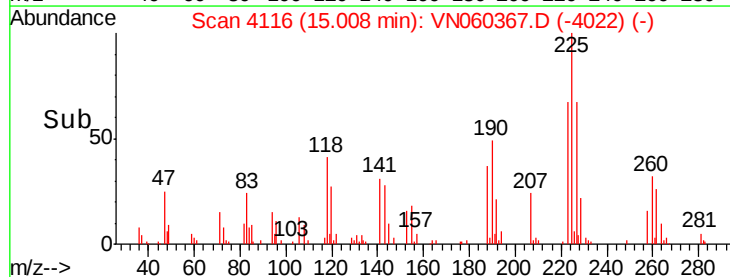
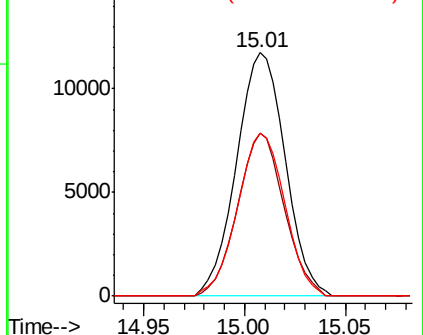


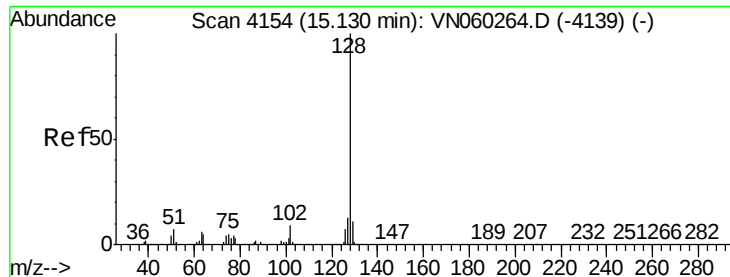
#94  
 Hexachlorobutadiene  
 Concen: 15.826 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN060367.D  
 Acq: 5 Mar 2020 15:39

Tgt Ion:225 Resp: 19864  
 Ion Ratio Lower Upper  
 225 100  
 223 63.9 31.3 93.9  
 227 65.0 32.3 96.9



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

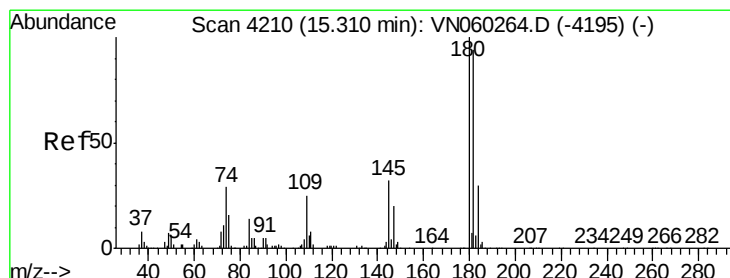
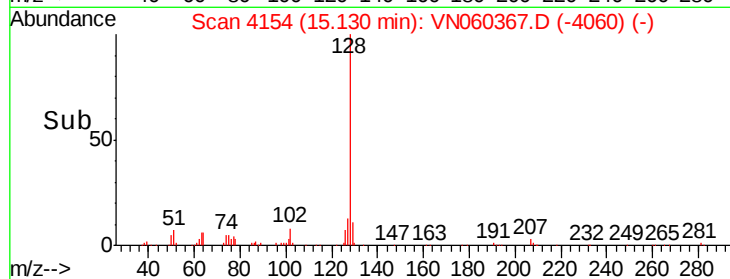
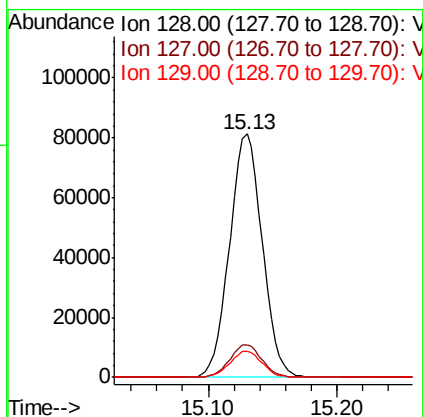
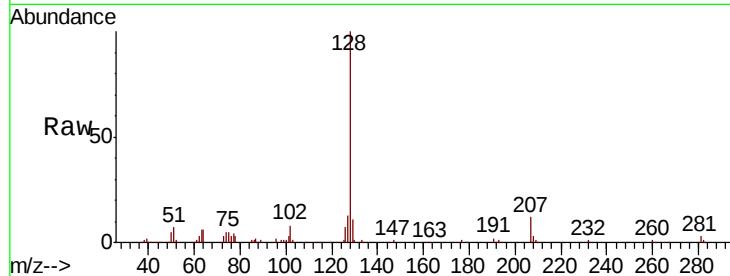




#95  
Naphthalene  
Concen: 18.047 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0305MBSD01

Tot Ion:128 Resp: 143009  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.4 15.6  
129 10.7 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 18.047 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN060367.D  
Acq: 5 Mar 2020 15:39

Tgt Ion:180 Resp: 45582  
Ion Ratio Lower Upper  
180 100  
182 92.4 47.3 142.0  
145 31.4 16.2 48.5

