

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\  
 Data File : VN056015.D  
 Acq On : 5 Jun 2019 18:53  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Quant Time: Jun 06 03:23:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jun 06 03:18:25 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.19  | 128  | 55653    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.58  | 114  | 295897   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 253035   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 105231   | 29.15    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 97.17%  |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 102030   | 26.23    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 87.43%  |
| 63) Toluene-d8            | 10.09  | 98    | 354980   | 30.71    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 102.37% |

## Target Compounds

|                               |      |     |       |        | Ovalue     |
|-------------------------------|------|-----|-------|--------|------------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 13400 | 5.117  | ug/l 97    |
| 3) Chloromethane              | 2.06 | 50  | 18164 | 5.200  | ug/l 99    |
| 4) Vinyl Chloride             | 2.18 | 62  | 18051 | 5.029  | ug/l 100   |
| 5) Bromomethane               | 2.54 | 94  | 13167 | 6.105  | ug/l 93    |
| 6) Chloroethane               | 2.68 | 64  | 11192 | 5.362  | ug/l 97    |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 23382 | 5.196  | ug/l 97    |
| 8) Diethyl Ether              | 3.40 | 74  | 10428 | 5.330  | ug/l 96    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 14626 | 5.187  | ug/l 96    |
| 10) 1,1-Dichloroethene        | 3.72 | 96  | 14229 | 4.860  | ug/l 97    |
| 11) Methyl Iodide             | 3.94 | 142 | 21090 | 4.952  | ug/l 98    |
| 12) Methyl Acetate            | 4.33 | 43  | 21021 | 5.889  | ug/l 97    |
| 13) Acrolein                  | 3.60 | 56  | 4572  | 10.494 | ug/l 95    |
| 14) Acrylonitrile             | 4.99 | 53  | 38985 | 24.157 | ug/l 97    |
| 15) Acetone                   | 3.82 | 58  | 12157 | 23.820 | ug/l 88    |
| 16) Carbon Disulfide          | 4.04 | 76  | 30450 | 3.797  | ug/l 100   |
| 17) Allyl chloride            | 4.31 | 41  | 21626 | 4.235  | ug/l 100   |
| 18) Methylene Chloride        | 4.54 | 84  | 17668 | 5.263  | ug/l 98    |
| 19) trans-1,2-Dichloroethene  | 5.03 | 96  | 15278 | 4.853  | ug/l 93    |
| 20) Diisopropyl ether         | 5.95 | 45  | 46117 | 4.568  | ug/l 98    |
| 21) 1,1-Dichloroethane        | 5.84 | 63  | 27503 | 4.817  | ug/l 98    |
| 22) cis-1,2-Dichloroethene    | 6.82 | 96  | 17982 | 4.896  | ug/l 97    |
| 23) tert-Butyl Alcohol        | 4.80 | 59  | 834   | 1.208  | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 46608 | 4.752  | ug/l 99    |
| 25) Chloroform                | 7.37 | 83  | 27087 | 4.784  | ug/l 94    |
| 26) Cyclohexane               | 7.65 | 56  | 25724 | 4.867  | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 7.79 | 75  | 19933 | 4.865  | ug/l 98    |
| 30) 2-Butanone                | 6.84 | 43  | 52473 | 24.101 | ug/l 100   |
| 31) 2,2-Dichloropropane       | 6.82 | 77  | 18538 | 4.068  | ug/l # 77  |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 21700 | 4.532  | ug/l # 76  |
| 33) Carbon Tetrachloride      | 7.77 | 117 | 18086 | 4.283  | ug/l 96    |
| 34) Benzene                   | 8.04 | 78  | 66285 | 5.201  | ug/l # 71  |
| 35) Methacrylonitrile         | 7.17 | 41  | 6376  | 3.143  | ug/l 91    |
| 36) 1,2-Dichloroethane        | 8.12 | 62  | 21640 | 5.251  | ug/l 97    |
| 37) Trichloroethene           | 8.83 | 130 | 18164 | 5.094  | ug/l 95    |
| 38) Methylcyclohexane         | 9.08 | 83  | 26617 | 5.129  | ug/l 95    |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 16507 | 4.860  | ug/l 98    |
| 40) Dibromomethane            | 9.21 | 93  | 11082 | 5.022  | ug/l 99    |

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 Acq On : 5 Jun 2019 18:53  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDIC005

Quant Time: Jun 06 03:23:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jun 06 03:18:25 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 18154    | 4.148  | ug/l   | 98       |
| 42) Vinyl Acetate              | 5.90  | 43   | 178105   | 21.454 | ug/l   | 99       |
| 43) Ethyl Acetate              | 6.94  | 43   | 21169    | 4.984  | ug/l # | 76       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 30474    | 4.390  | ug/l   | 97       |
| 45) 1,4-Dioxane                | 9.21  | 88   | 6548     | 97.231 | ug/l # | 92       |
| 46) Methyl methacrylate        | 9.20  | 41   | 16144    | 4.970  | ug/l   | 94       |
| 47) n-amyl Acetate             | 12.07 | 43   | 23503    | 4.107  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 17075    | 3.574  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 21558    | 4.061  | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 16551    | 5.151  | ug/l   | 99       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 23737    | 4.665  | ug/l   | 98       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 26288    | 4.980  | ug/l   | 97       |
| 53) Dibromochloromethane       | 10.90 | 129  | 13232    | 3.642  | ug/l   | 95       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 16578    | 4.987  | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 36967    | 19.035 | ug/l   | 99       |
| 56) Bromoform                  | 12.13 | 173  | 8715     | 3.007  | ug/l # | 97       |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 100027   | 24.455 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 69625    | 23.767 | ug/l   | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 19375    | 5.639  | ug/l   | 99       |
| 62) Toluene                    | 10.15 | 91   | 73845    | 5.442  | ug/l   | 100      |
| 64) Chlorobenzene              | 11.43 | 112  | 42602    | 5.180  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 14518    | 4.489  | ug/l   | 98       |
| 66) Ethyl Benzene              | 11.51 | 91   | 74681    | 5.063  | ug/l   | 98       |
| 67) m/p-Xylenes                | 11.62 | 106  | 56275    | 10.035 | ug/l   | 99       |
| 68) o-Xylene                   | 11.95 | 106  | 27837    | 5.029  | ug/l   | 96       |
| 69) Styrene                    | 11.96 | 104  | 40309    | 4.428  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 73357    | 5.061  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 21629    | 4.873  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 24336    | 6.405  | ug/l   | 69       |
| 73) Bromobenzene               | 12.53 | 156  | 18052    | 4.709  | ug/l   | 98       |
| 74) n-propylbenzene            | 12.59 | 91   | 69250    | 4.463  | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.67 | 91   | 46914    | 4.939  | ug/l   | 97       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 57901    | 4.848  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 3762     | 2.650  | ug/l   | 75       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 38131    | 4.253  | ug/l   | 96       |
| 79) tert-butylbenzene          | 12.99 | 119  | 55706    | 5.314  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 53576    | 4.538  | ug/l   | 99       |
| 81) sec-Butylbenzene           | 13.17 | 105  | 63351    | 4.752  | ug/l   | 99       |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 54328    | 4.448  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 23841    | 3.991  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 21951    | 3.872  | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.61 | 91   | 35201    | 3.751  | ug/l   | 100      |
| 86) Hexachloroethane           | 13.87 | 117  | 7741     | 3.383  | ug/l   | 94       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 26586    | 4.419  | ug/l   | 96       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 2747     | 3.435  | ug/l   | 89       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 7570     | 2.379  | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 11005    | 4.622  | ug/l   | 97       |
| 91) Naphthalene                | 15.13 | 128  | 22563    | 2.603  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 9686     | 2.906  | ug/l   | 97       |

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Data File : VN056015.D  
Acq On : 5 Jun 2019 18:53  
Operator : JC/SP  
Sample : VSTDICC005  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

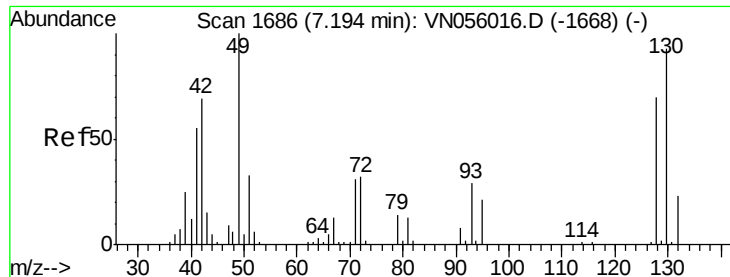
Quant Time: Jun 06 03:23:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu Jun 06 03:18:25 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

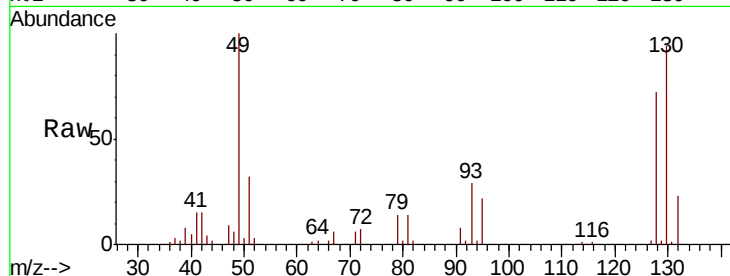
Tot Ion:128 Resp: 55653

Ion Ratio Lower Upper

128 100

49 138.4 0.0 355.8

130 130.4 0.0 326.3

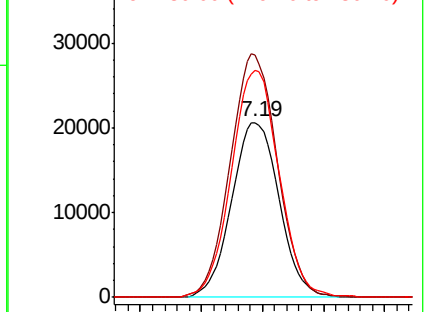


Abundance

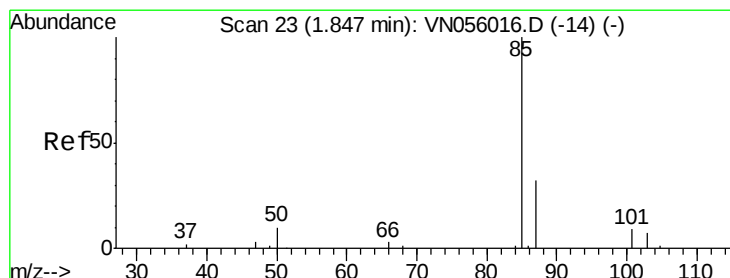
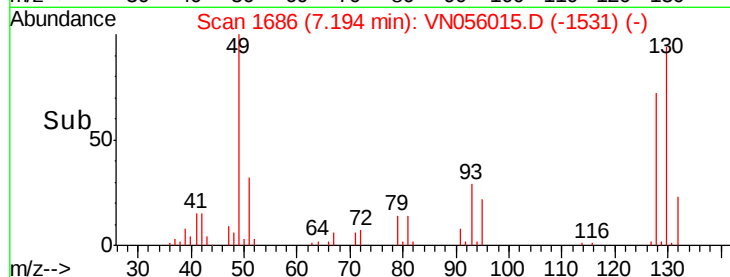
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 5.117 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056015.D

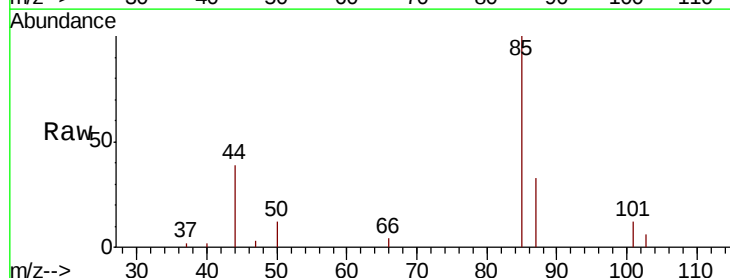
Acq: 5 Jun 2019 18:53

Tgt Ion: 85 Resp: 13400

Ion Ratio Lower Upper

85 100

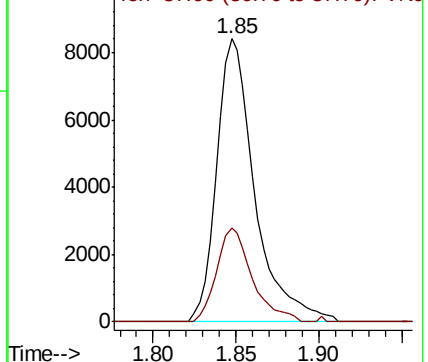
87 33.3 15.9 47.7



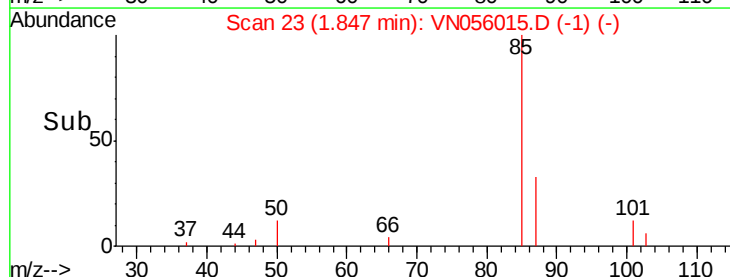
Abundance

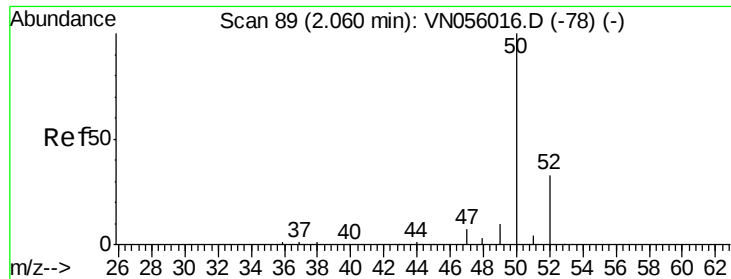
Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V



Time-->





#3

Chloromethane

Concen: 5.200 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

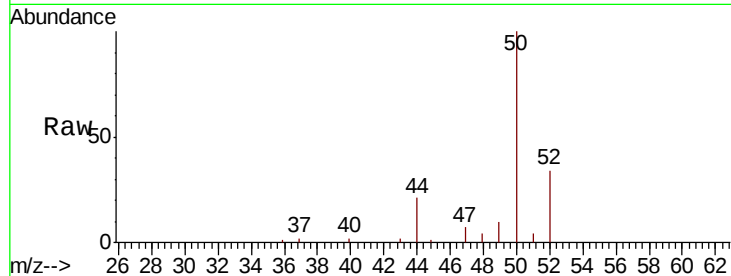
VSTDIC005

Tot Ion: 50 Resp: 18164

Ion Ratio Lower Upper

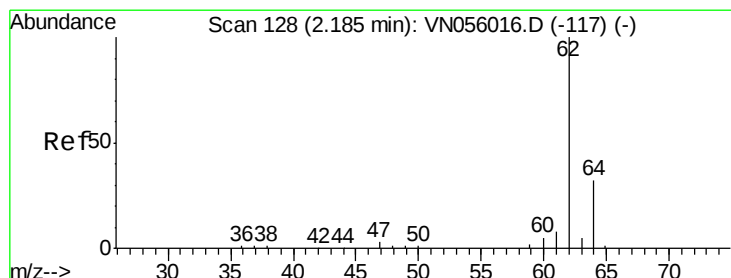
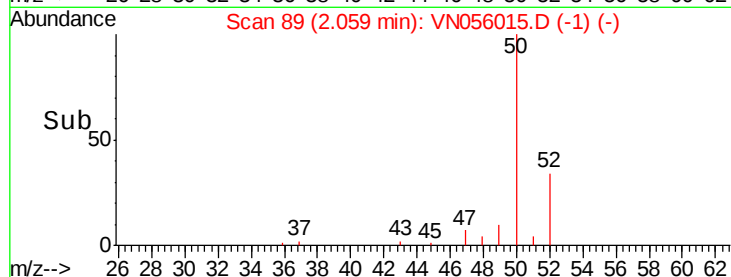
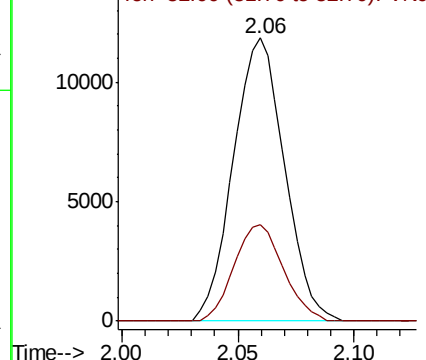
50 100

52 34.1 26.7 40.1



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 5.029 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056015.D

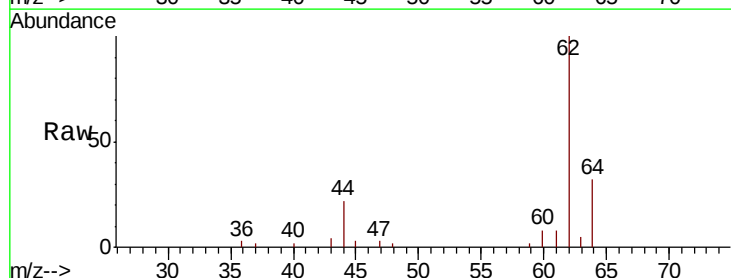
Acq: 5 Jun 2019 18:53

Tgt Ion: 62 Resp: 18051

Ion Ratio Lower Upper

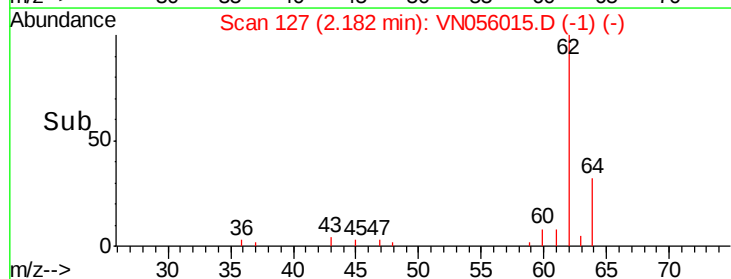
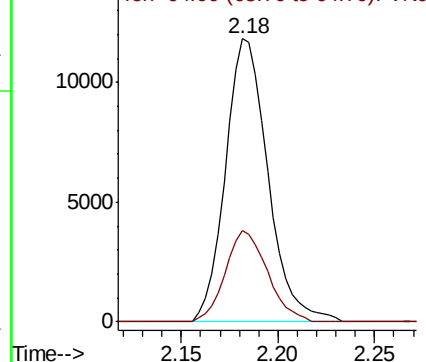
62 100

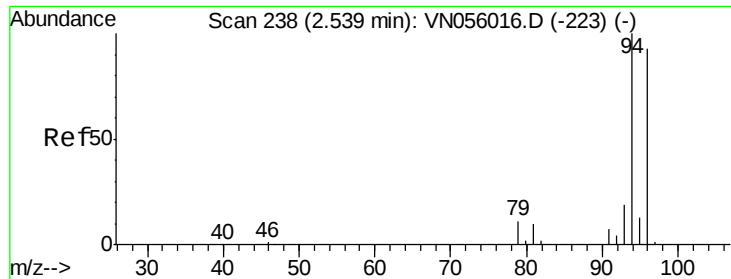
64 32.1 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO

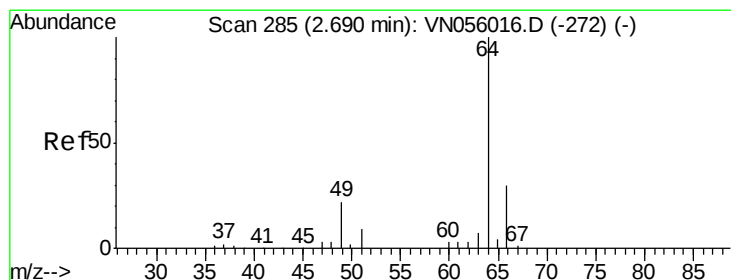
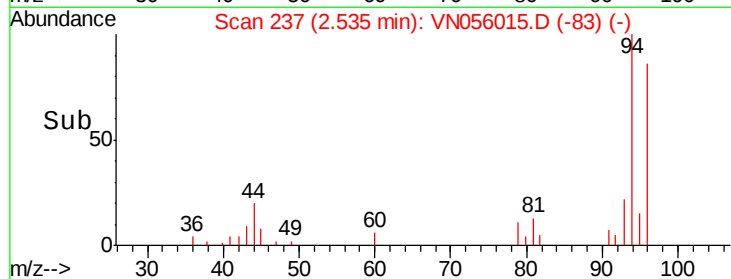
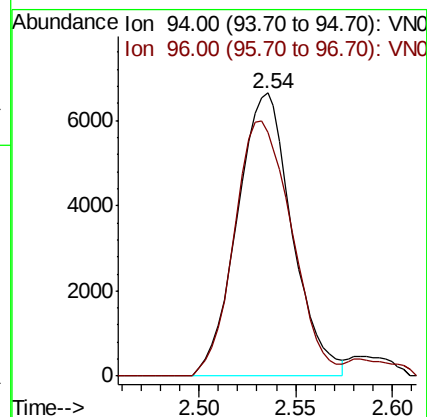
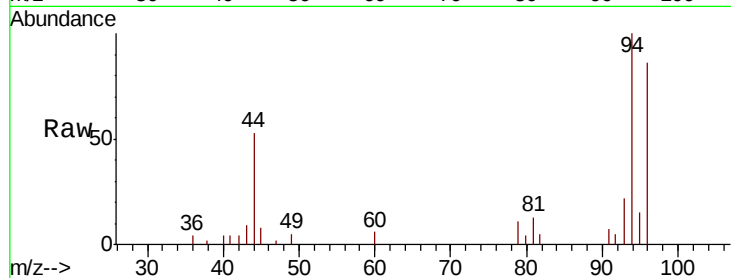




#5  
Bromomethane  
Concen: 6.105 ug/l  
RT: 2.54 min Scan# 237  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

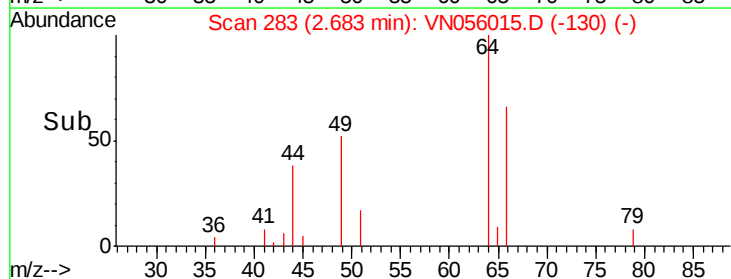
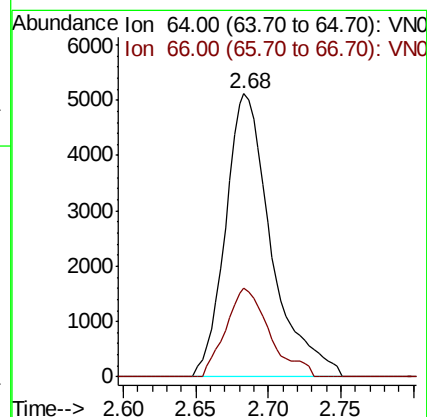
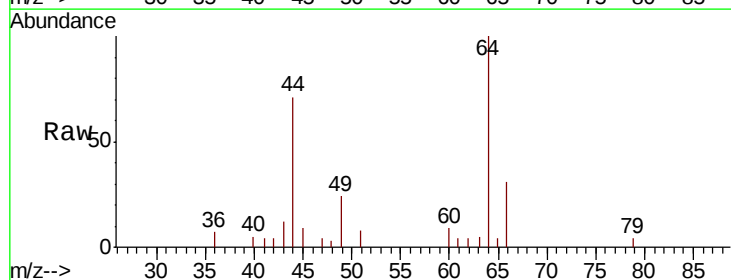
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

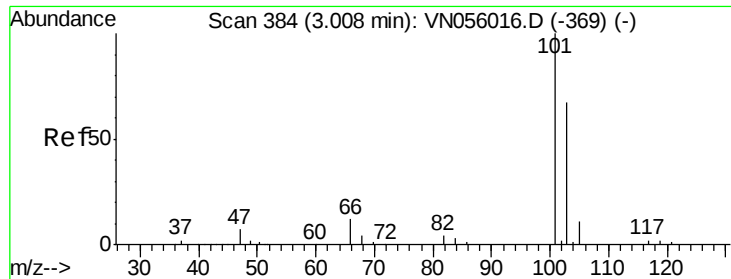
Tot Ion: 94 Resp: 13167  
Ion Ratio Lower Upper  
94 100  
96 86.2 74.1 111.1



#6  
Chloroethane  
Concen: 5.362 ug/l  
RT: 2.68 min Scan# 283  
Delta R.T. -0.01 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 64 Resp: 11192  
Ion Ratio Lower Upper  
64 100  
66 31.4 23.7 35.5



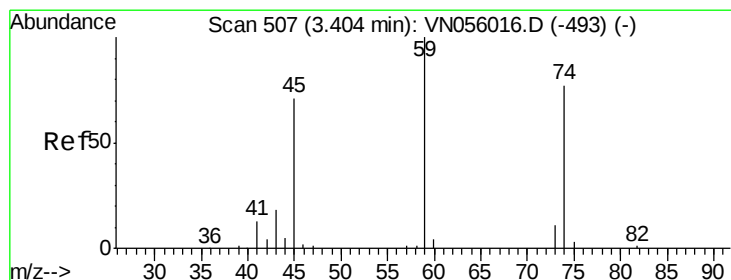
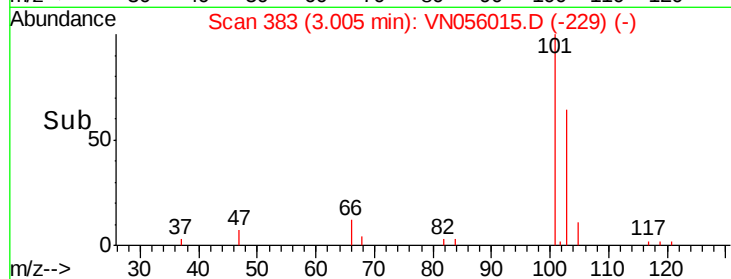
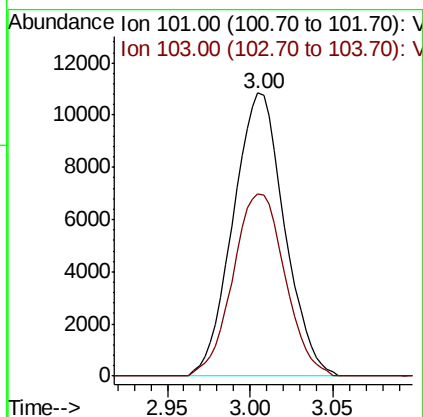
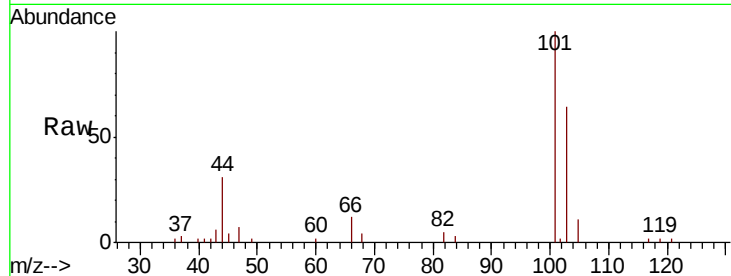


#7

Trichlorofluoromethane  
Concen: 5.196 ug/l  
RT: 3.00 min Scan# 383  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

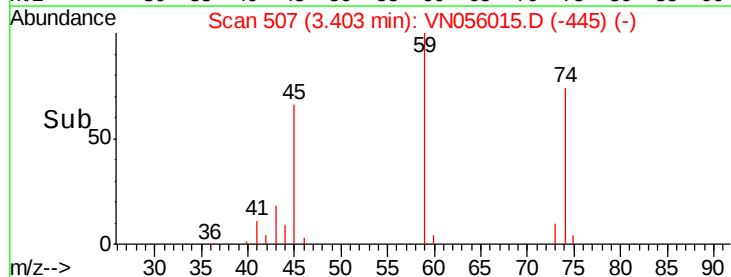
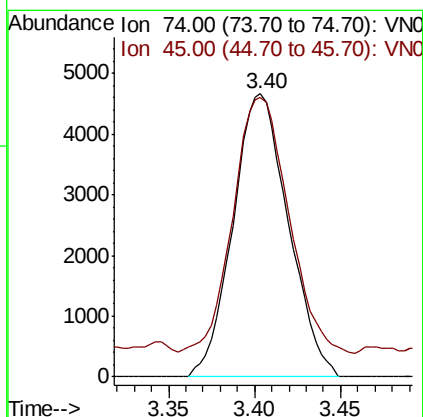
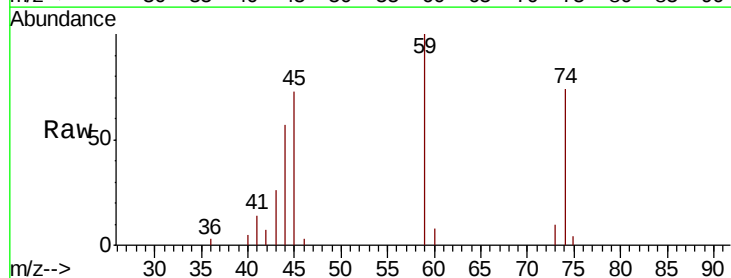
Tot Ion:101 Resp: 23382  
Ion Ratio Lower Upper  
101 100  
103 64.3 53.4 80.0

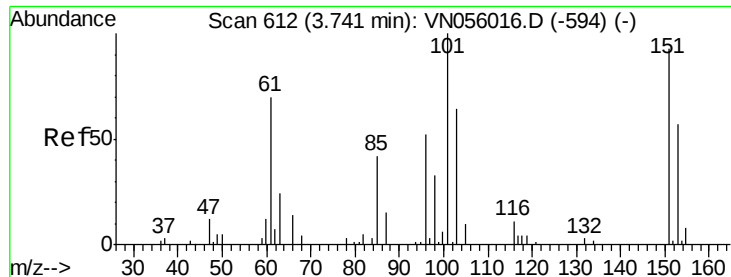


#8

Diethyl Ether  
Concen: 5.330 ug/l  
RT: 3.40 min Scan# 507  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 74 Resp: 10428  
Ion Ratio Lower Upper  
74 100  
45 90.0 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.187 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

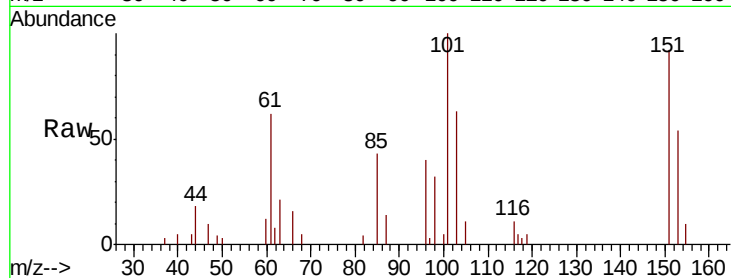
Tot Ion:101 Resp: 14626

Ion Ratio Lower Upper

101 100

85 42.2 0.0 82.0

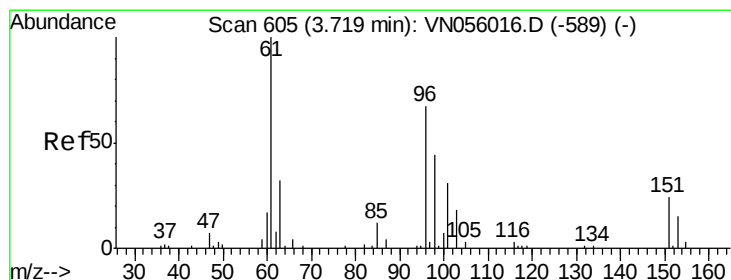
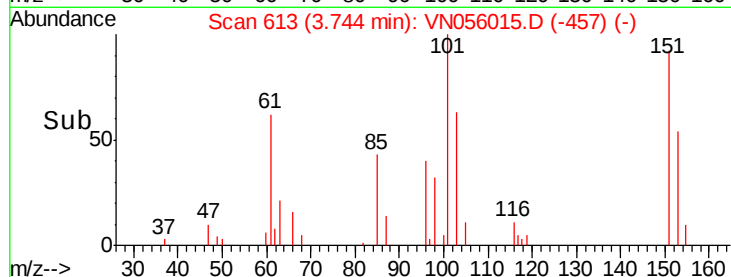
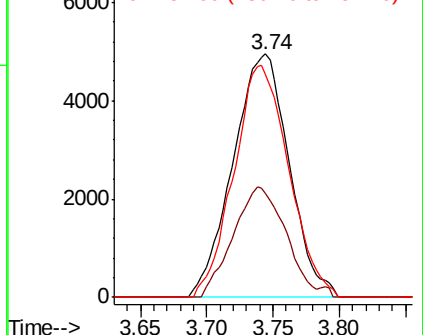
151 93.0 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 4.860 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

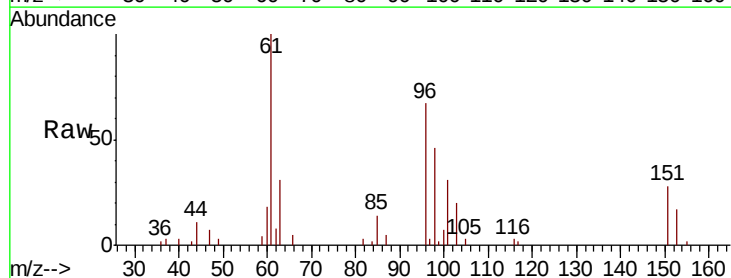
Tgt Ion: 96 Resp: 14229

Ion Ratio Lower Upper

96 100

61 145.6 119.7 179.5

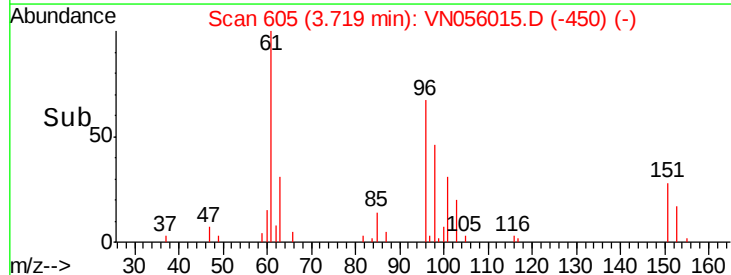
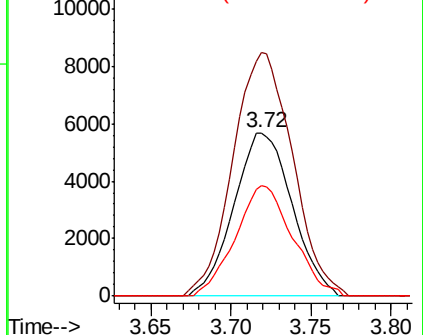
98 68.0 52.3 78.5

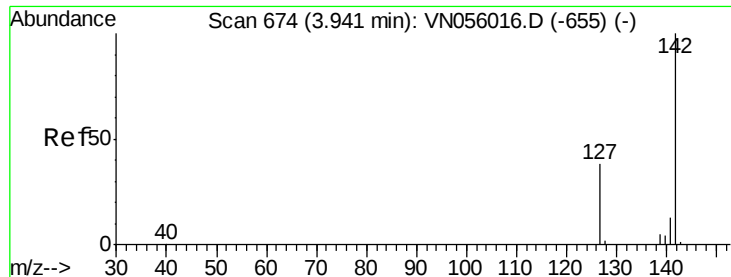


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

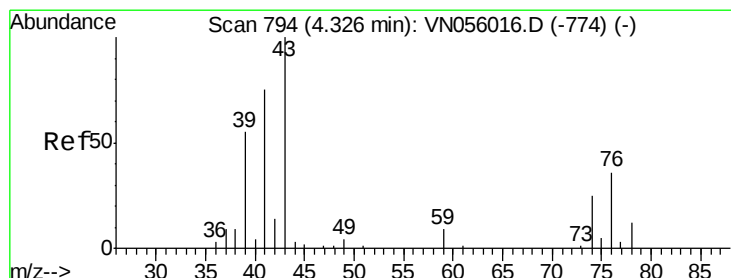
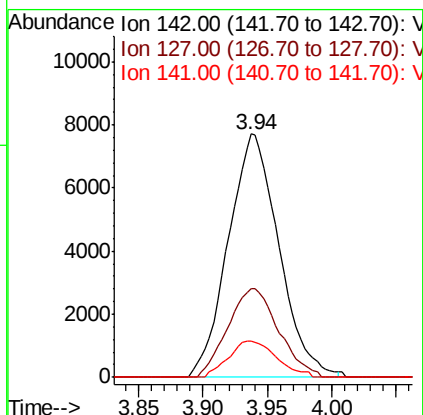
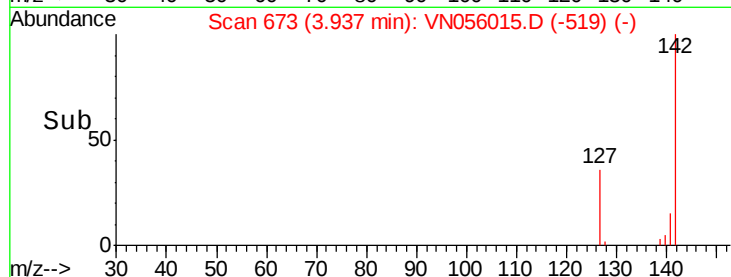
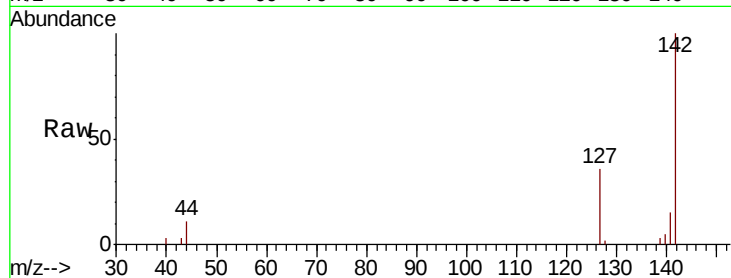




#11  
Methyl Iodide  
Concen: 4.952 ug/l  
RT: 3.94 min Scan# 673  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

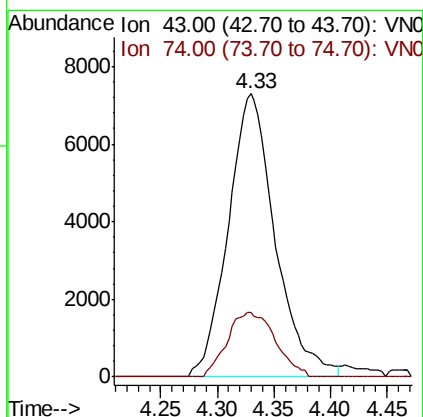
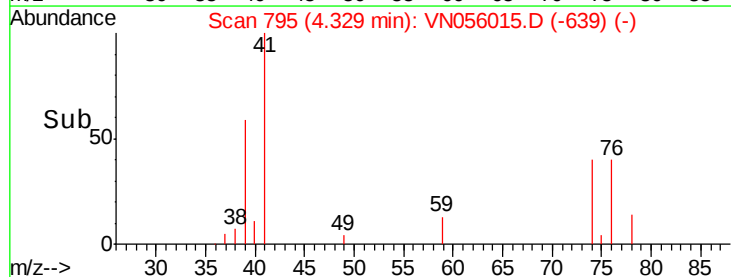
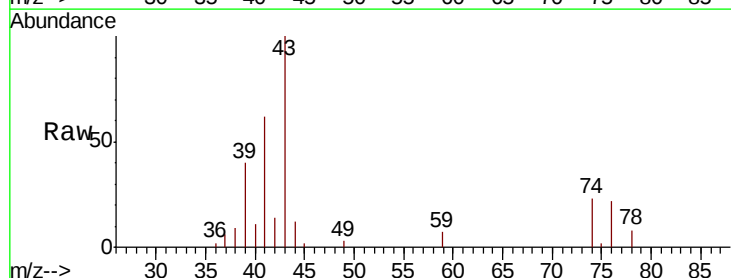
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

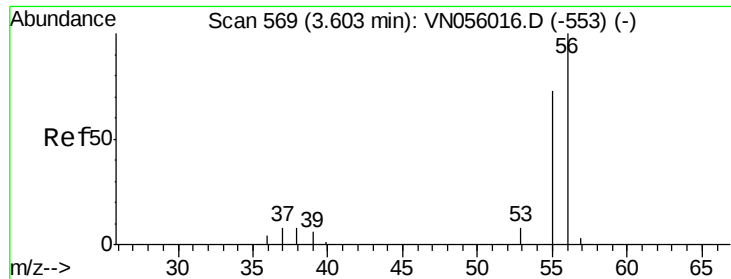
Tot Ion:142 Resp: 21090  
Ion Ratio Lower Upper  
142 100  
127 36.6 19.0 57.0  
141 13.7 6.7 20.0



#12  
Methyl Acetate  
Concen: 5.889 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 43 Resp: 21021  
Ion Ratio Lower Upper  
43 100  
74 23.2 19.9 29.9





#13

Acrolein

Concen: 10.494 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

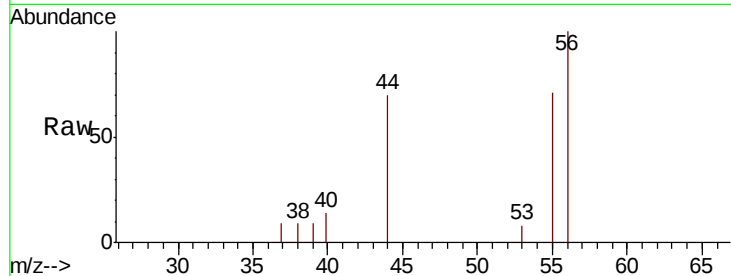
VSTDIC005

Tot Ion: 56 Resp: 4572

Ion Ratio Lower Upper

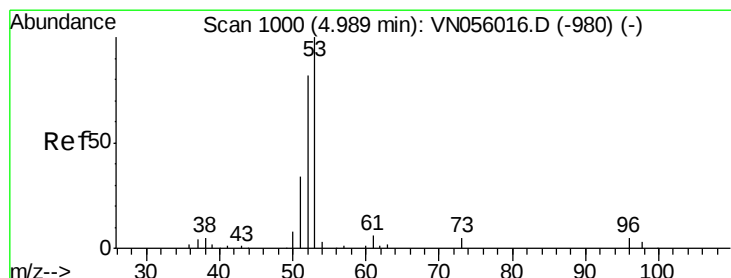
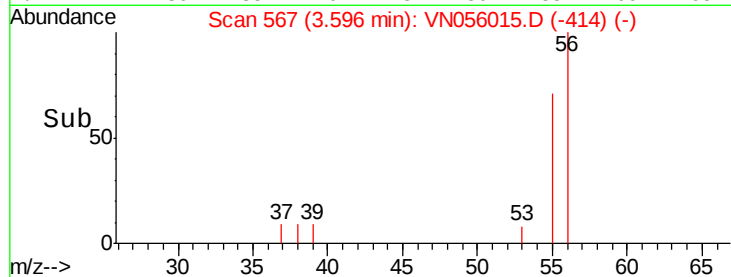
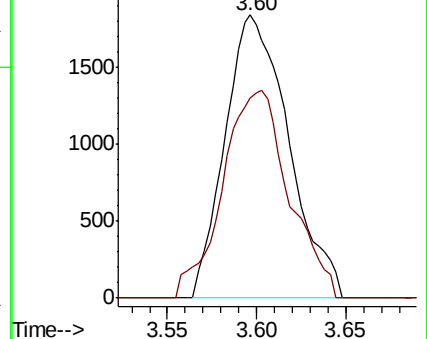
56 100

55 76.5 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 24.157 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

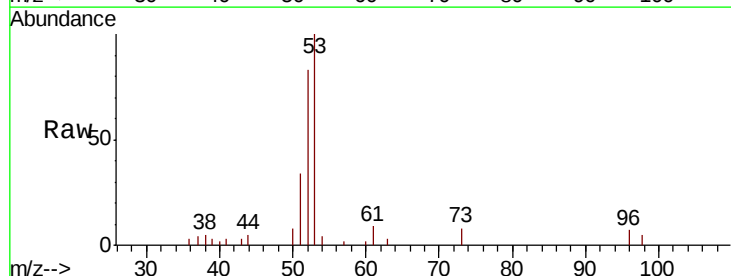
Tgt Ion: 53 Resp: 38985

Ion Ratio Lower Upper

53 100

52 78.3 40.8 122.2

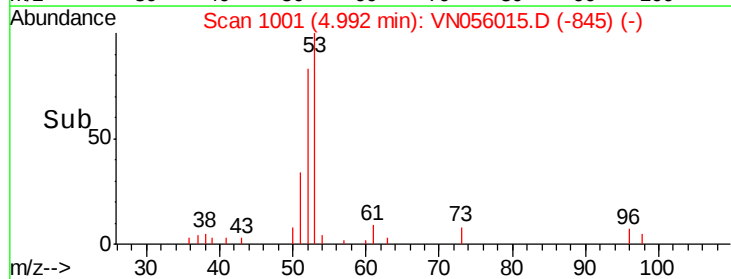
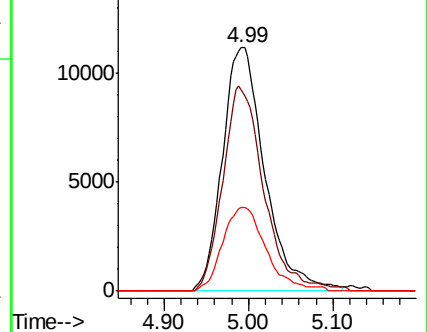
51 34.8 17.3 52.0

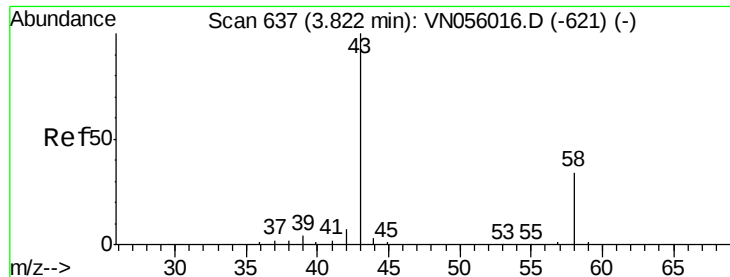


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 23.820 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

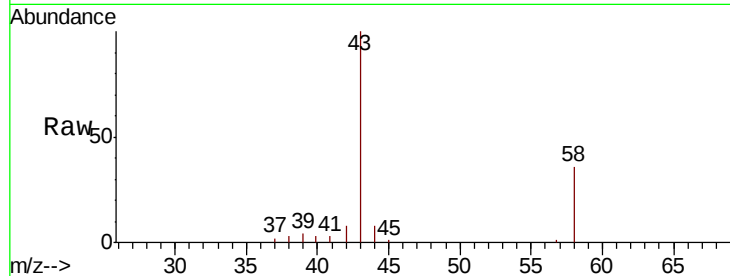
VSTDIC005

Tot Ion: 58 Resp: 12157

Ion Ratio Lower Upper

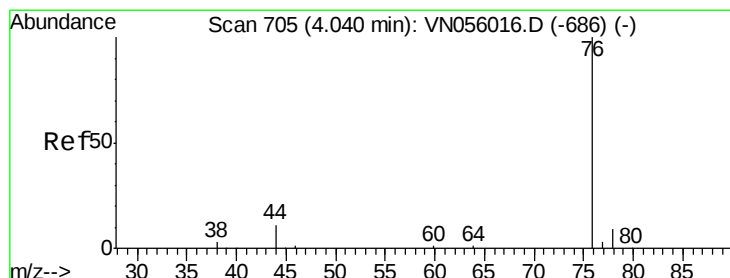
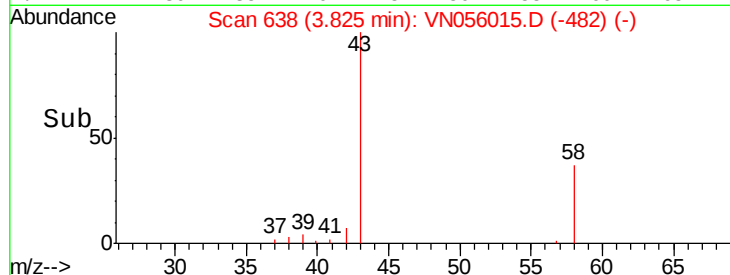
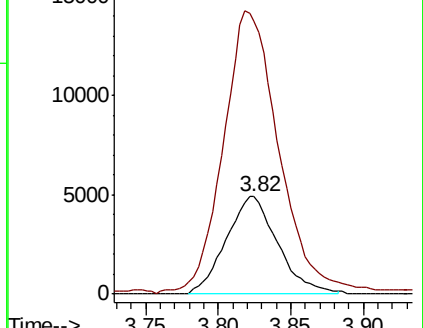
58 100

43 268.0 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN056015.D (-482) (-)

Ion 43.00 (42.70 to 43.70): VN056015.D (-482) (-)



#16

Carbon Disulfide

Concen: 3.797 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056015.D

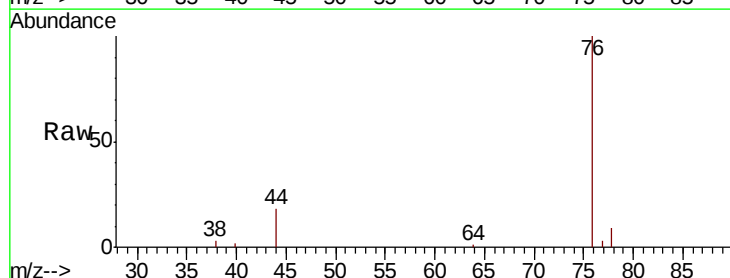
Acq: 5 Jun 2019 18:53

Tgt Ion: 76 Resp: 30450

Ion Ratio Lower Upper

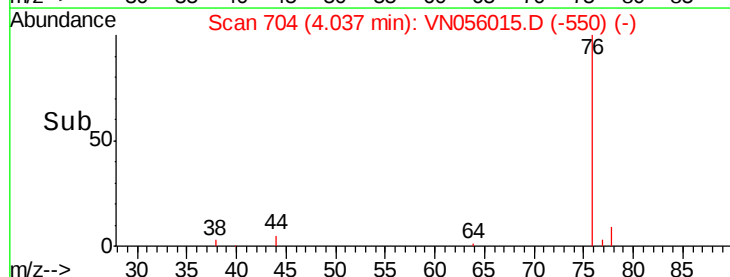
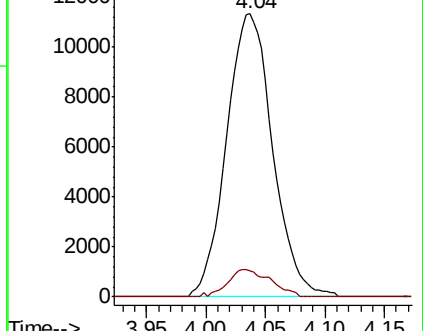
76 100

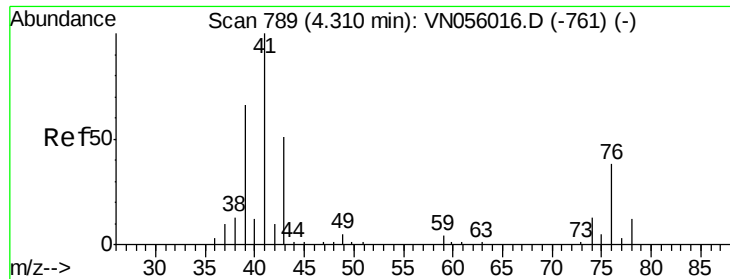
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN056015.D (-550) (-)

Ion 78.00 (77.70 to 78.70): VN056015.D (-550) (-)

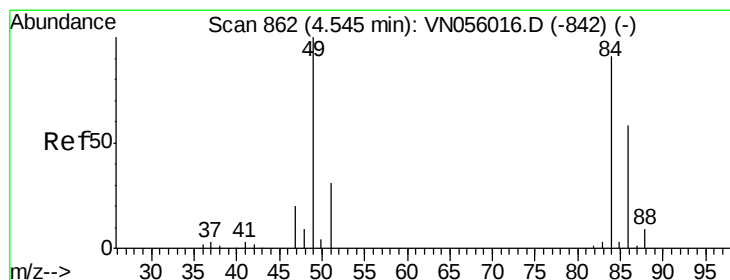
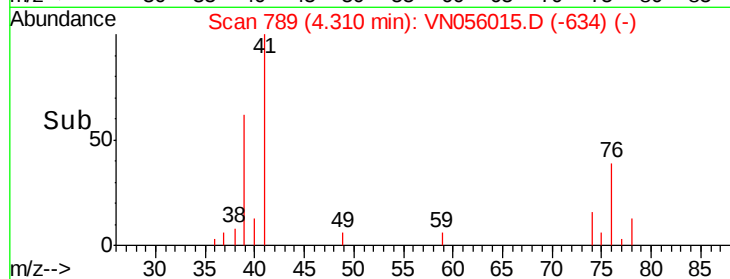
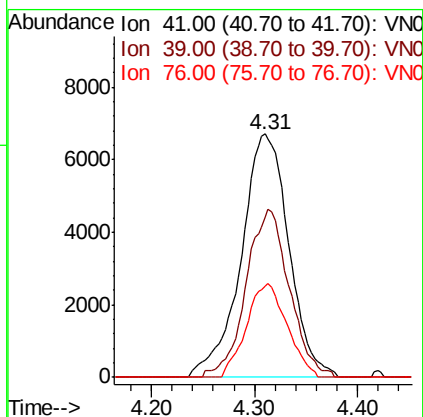
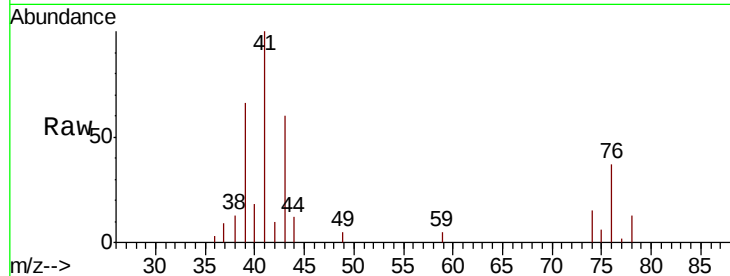




#17  
Allvl chloride  
Concen: 4.235 ug/l  
RT: 4.31 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

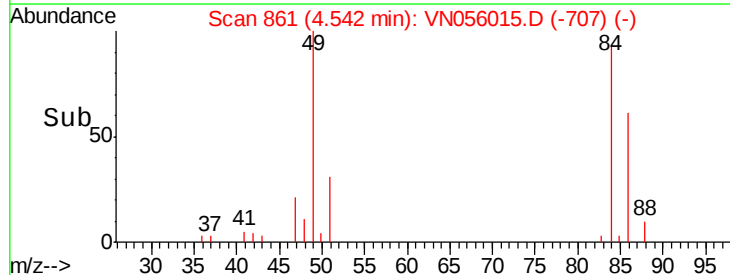
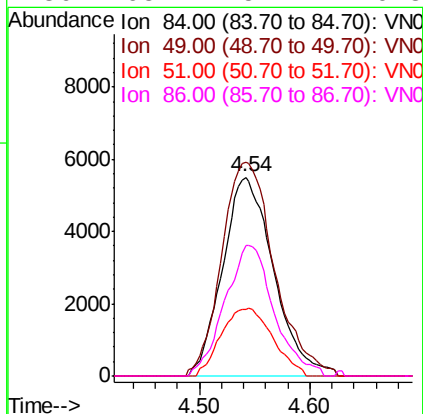
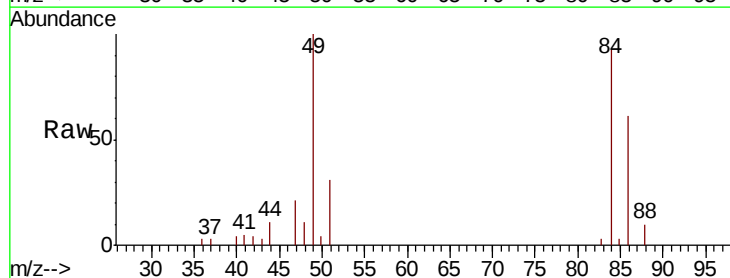
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

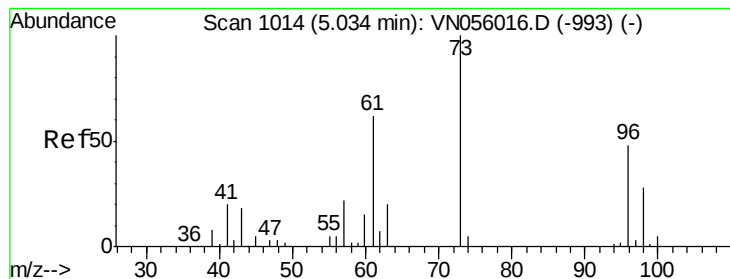
Tot Ion: 41 Resp: 21626  
Ion Ratio Lower Upper  
41 100  
39 66.0 33.0 99.0  
76 37.5 18.9 56.9



#18  
Methylene Chloride  
Concen: 5.263 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 84 Resp: 17668  
Ion Ratio Lower Upper  
84 100  
49 107.3 87.6 131.4  
51 33.3 27.0 40.4  
86 65.4 51.2 76.8





#19

trans-1,2-Dichloroethene

Concen: 4.853 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

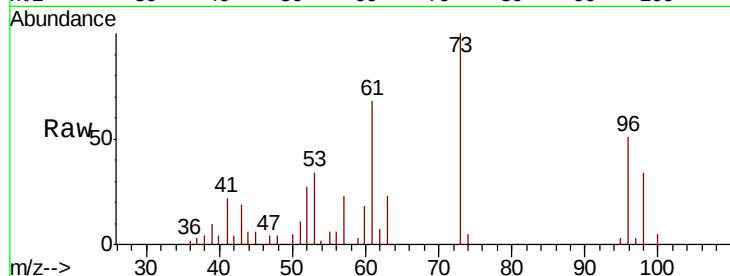
Tot Ion: 96 Resp: 15278

Ion Ratio Lower Upper

96 100

61 133.9 102.5 153.7

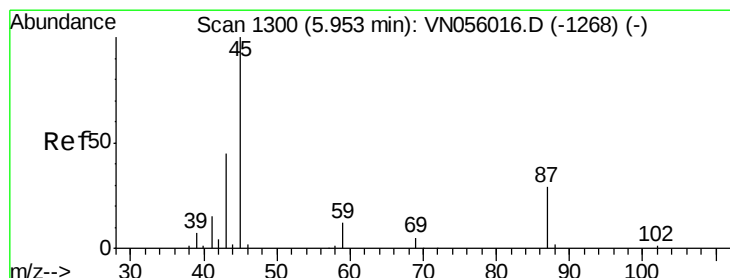
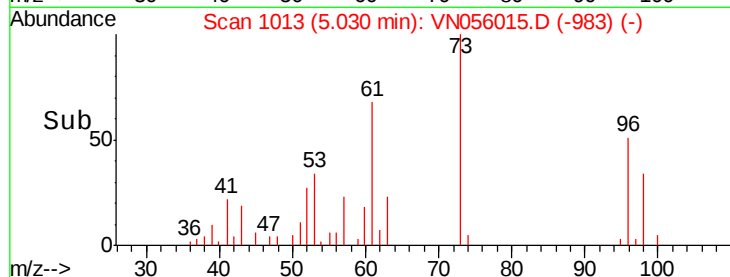
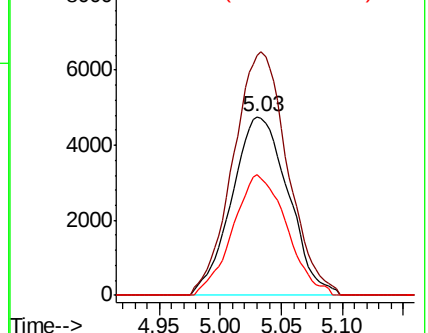
98 67.6 46.9 70.3



Abundance Ion 96.00 (95.70 to 96.70): VN056016.D (-993) (-)

Ion 61.00 (60.70 to 61.70): VN056016.D (-993) (-)

Ion 98.00 (97.70 to 98.70): VN056016.D (-993) (-)



#20

Diisopropyl ether

Concen: 4.568 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Tgt Ion: 45 Resp: 46117

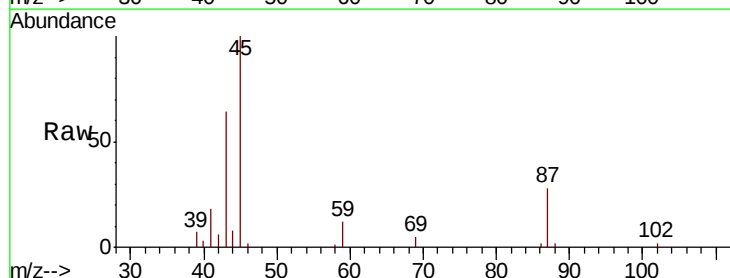
Ion Ratio Lower Upper

45 100

43 61.9 48.0 72.0

87 28.7 23.4 35.2

59 12.3 9.2 13.8

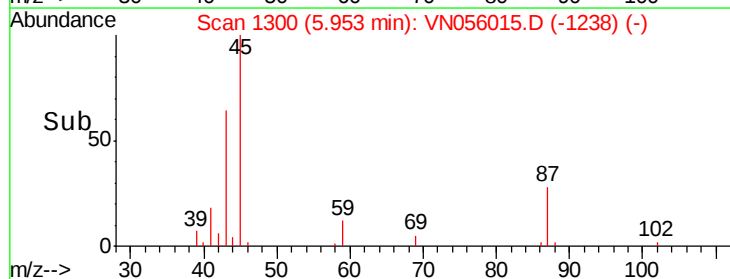
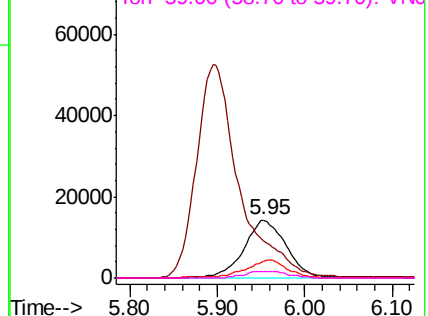


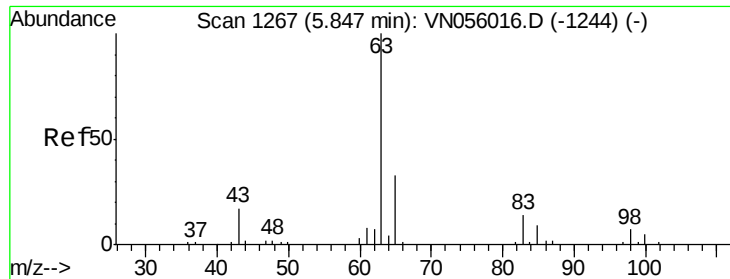
Abundance Ion 45.00 (44.70 to 45.70): VN056016.D (-1268) (-)

Ion 43.00 (42.70 to 43.70): VN056016.D (-1268) (-)

Ion 87.00 (86.70 to 87.70): VN056016.D (-1268) (-)

Ion 59.00 (58.70 to 59.70): VN056016.D (-1268) (-)

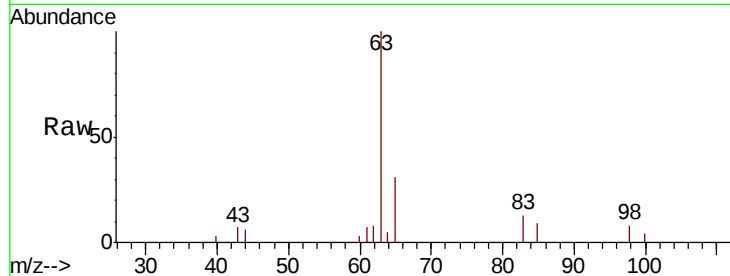




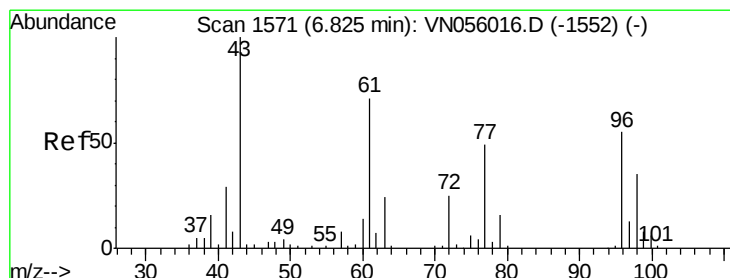
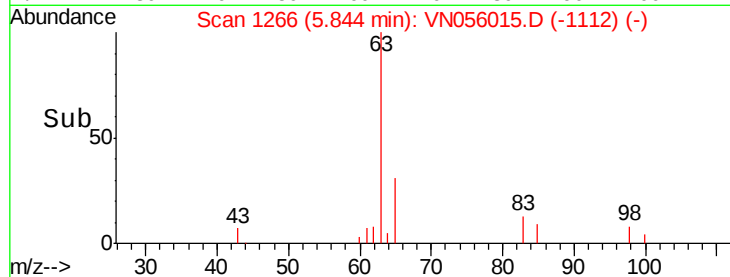
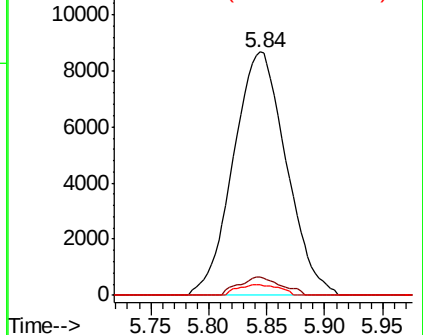
#21  
 1,1-Dichloroethane  
 Concen: 4.817 ug/l  
 RT: 5.84 min Scan# 1266  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 63 Resp: 27503  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.5 10.5  
 100 4.2 2.3 6.9

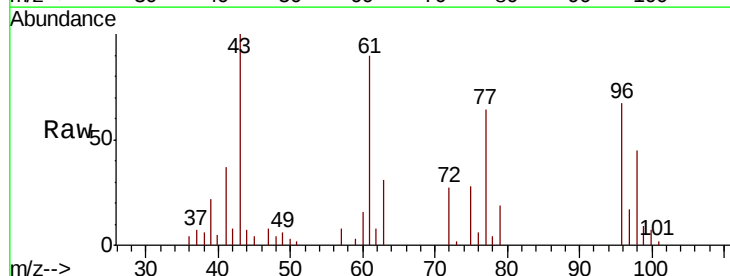


Abundance Ion 63.00 (62.70 to 63.70): VN0  
 Ion 98.00 (97.70 to 98.70): VN0  
 Ion 100.00 (99.70 to 100.70): VN0

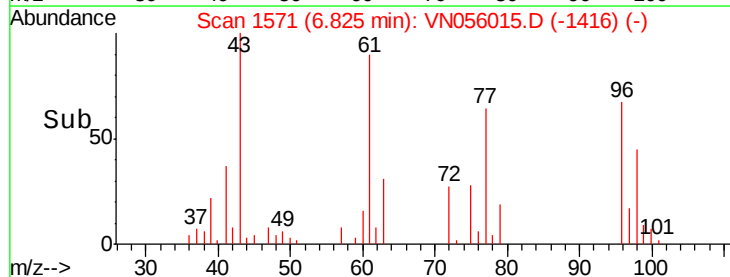
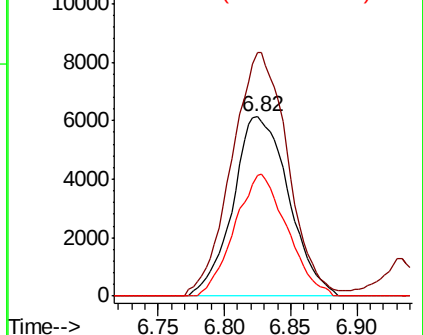


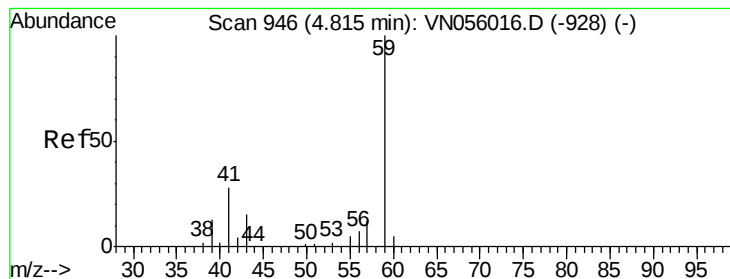
#22  
 cis-1,2-Dichloroethene  
 Concen: 4.896 ug/l  
 RT: 6.82 min Scan# 1571  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion: 96 Resp: 17982  
 Ion Ratio Lower Upper  
 96 100  
 61 136.3 105.7 158.5  
 98 63.9 52.0 78.0



Abundance Ion 96.00 (95.70 to 96.70): VN0  
 Ion 61.00 (60.70 to 61.70): VN0  
 Ion 98.00 (97.70 to 98.70): VN0



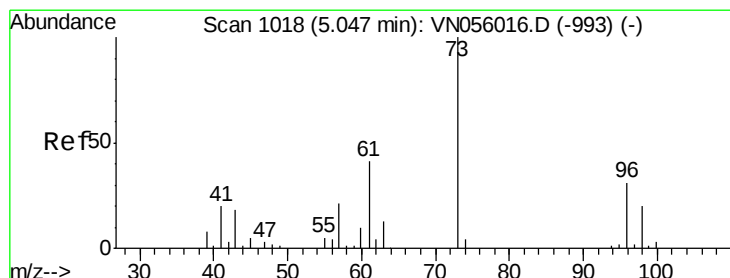
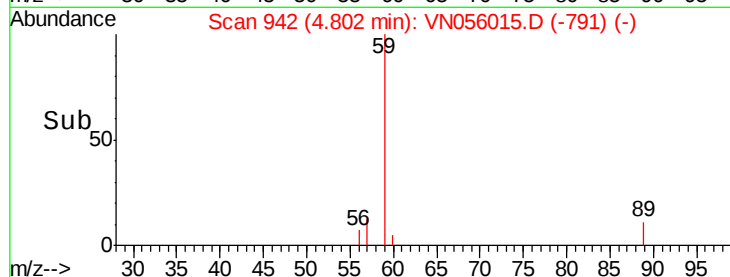
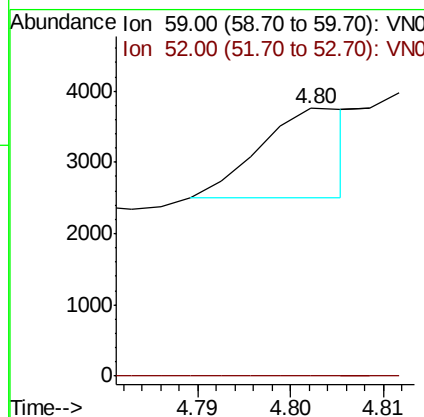
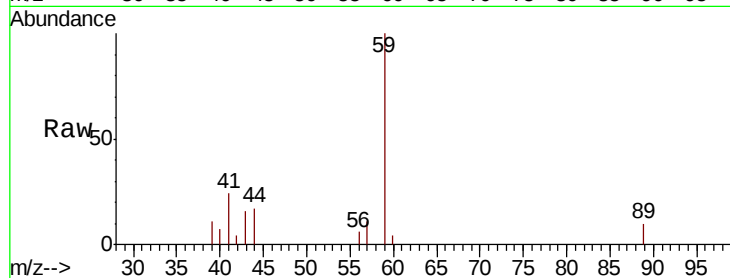


#23

tert-Butyl Alcohol  
 Concen: 1.208 ug/l  
 RT: 4.80 min Scan# 942  
 Delta R.T. -0.01 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

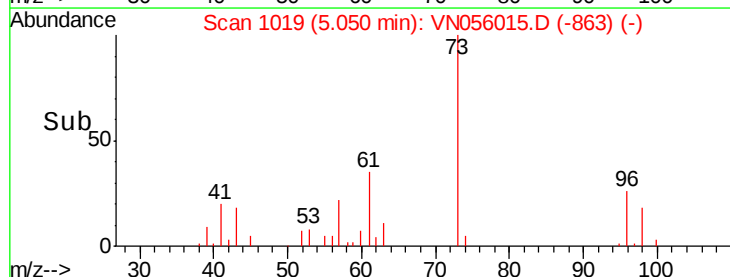
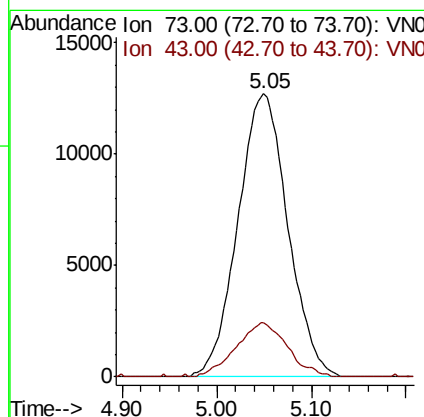
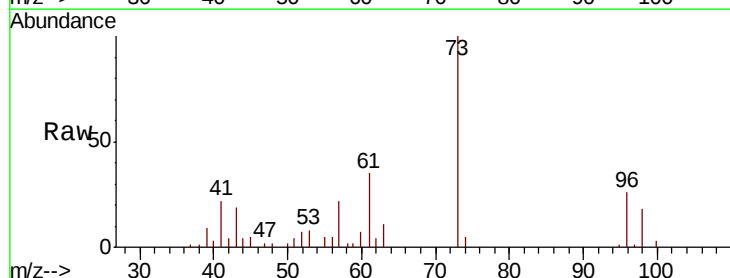
Tot Ion: 59 Resp: 834  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.0 0.0

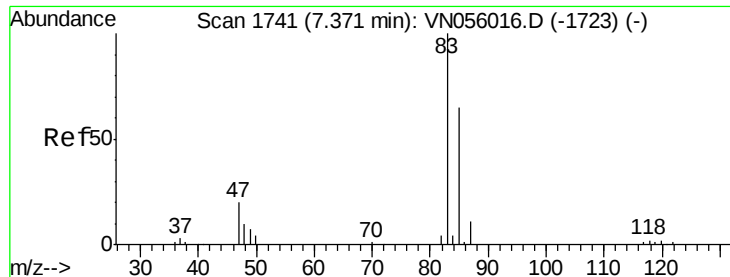


#24

Methyl tert-Butyl Ether  
 Concen: 4.752 ug/l  
 RT: 5.05 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion: 73 Resp: 46608  
 Ion Ratio Lower Upper  
 73 100  
 43 18.9 15.4 23.0

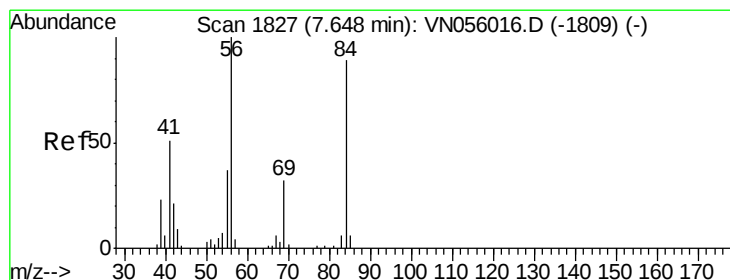
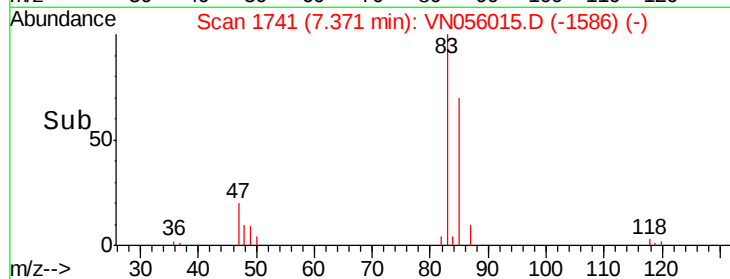
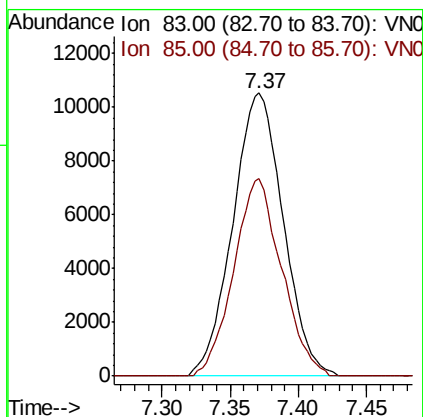
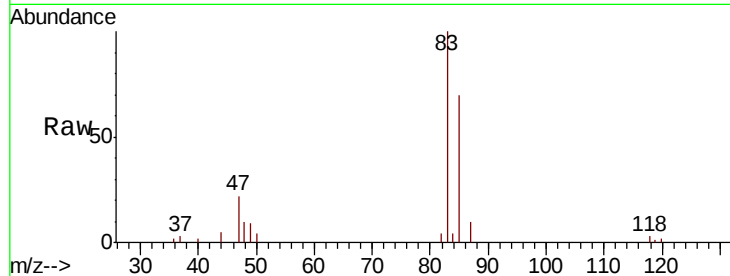




#25  
Chloroform  
Concen: 4.784 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

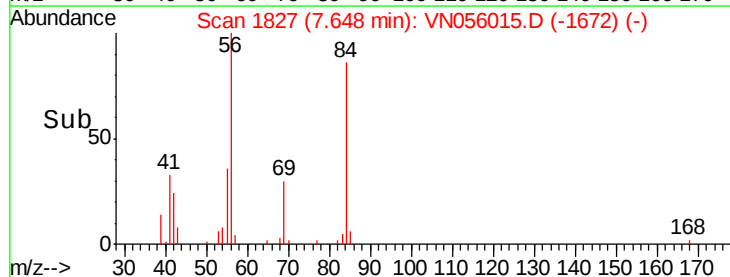
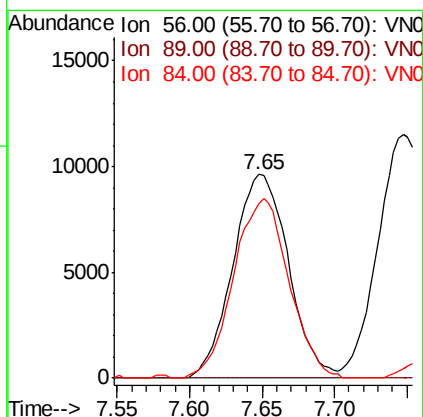
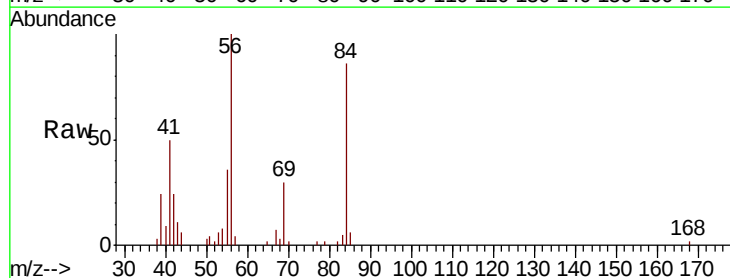
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

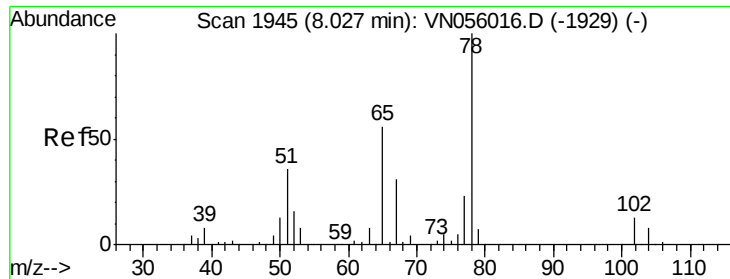
Tot Ion: 83 Resp: 27087  
Ion Ratio Lower Upper  
83 100  
85 69.8 52.0 78.0



#26  
Cyclohexane  
Concen: 4.867 ug/l  
RT: 7.65 min Scan# 1827  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 56 Resp: 25724  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 87.7 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 29.151 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

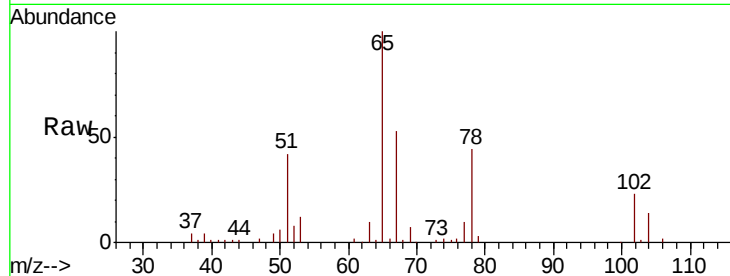
VSTDIC005

Tot Ion: 65 Resp: 105231

Ion Ratio Lower Upper

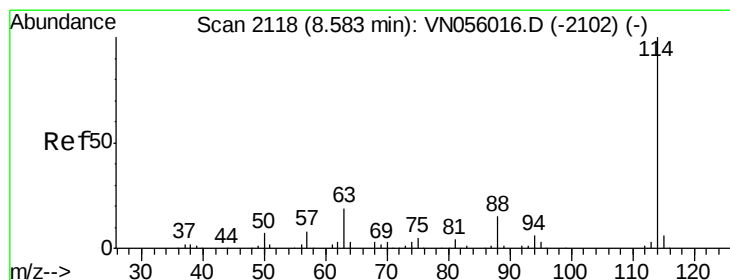
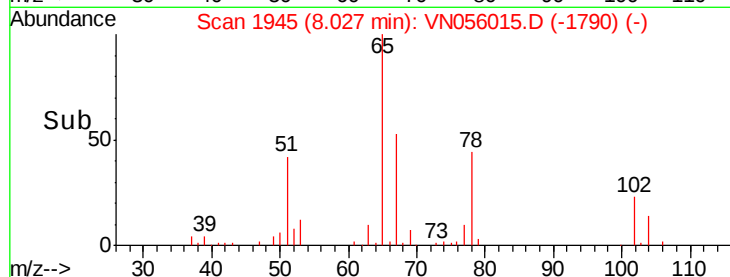
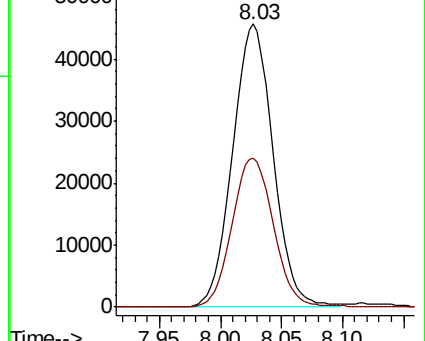
65 100

67 53.9 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN056015.D (-1790) (-)

Ion 67.00 (66.70 to 67.70): VN056015.D (-1790) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

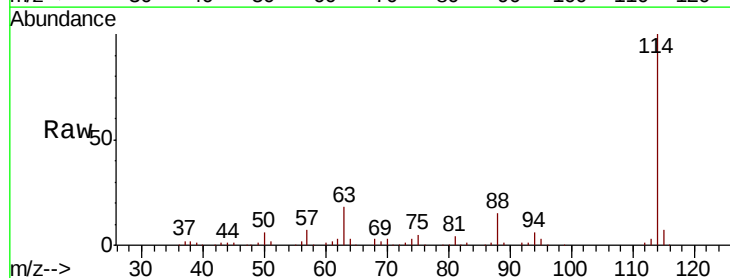
Tgt Ion: 114 Resp: 295897

Ion Ratio Lower Upper

114 100

63 18.2 14.7 22.1

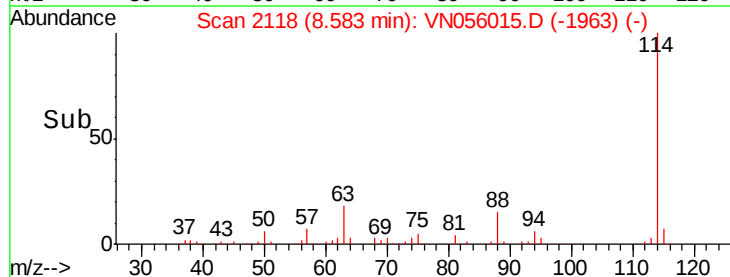
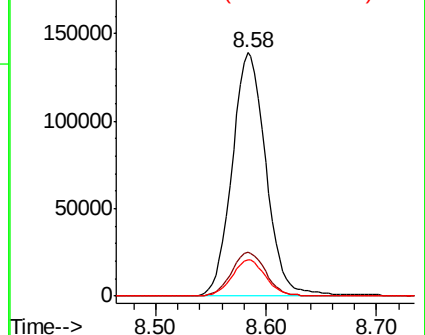
88 15.0 11.9 17.9

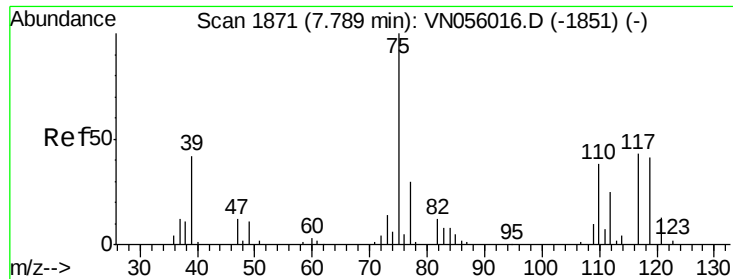


Abundance Ion 114.00 (113.70 to 114.70): VN056015.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN056015.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN056015.D (-1963) (-)

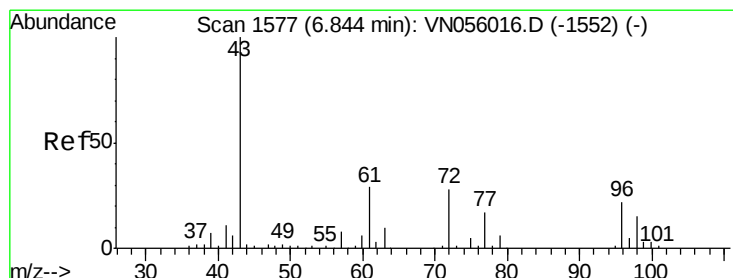
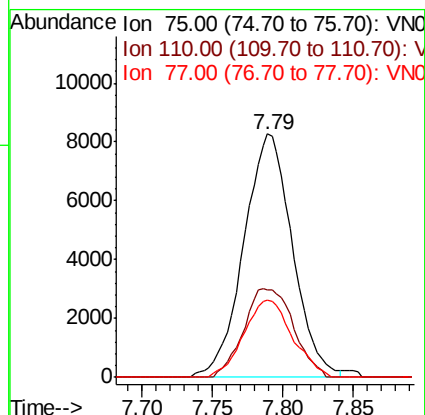
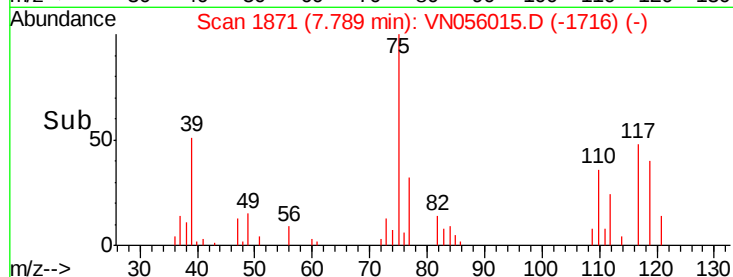
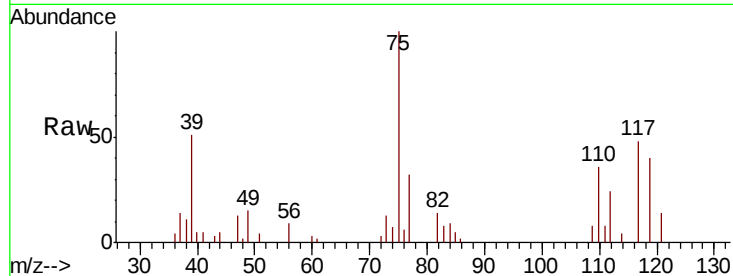




#29  
 1,1-Dichloropropene  
 Concen: 4.865 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

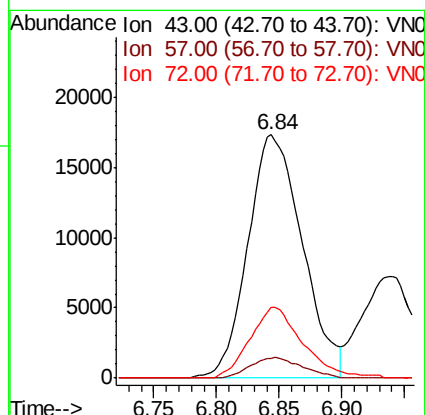
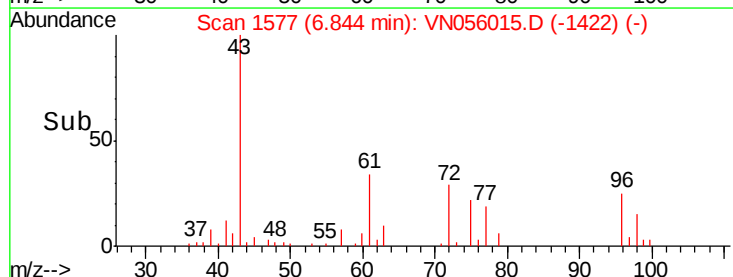
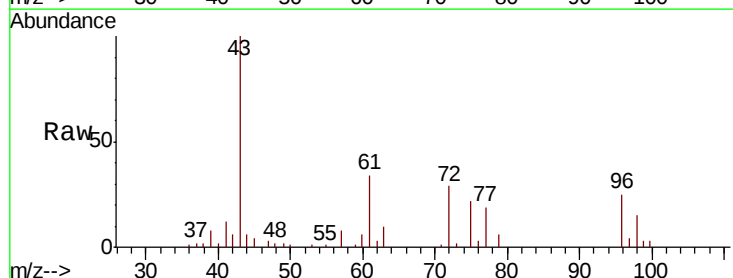
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

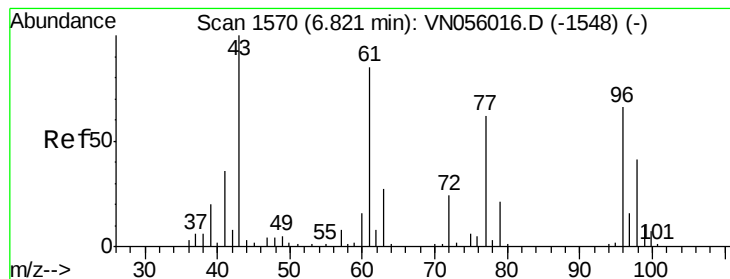
Tot Ion: 75 Resp: 19933  
 Ion Ratio Lower Upper  
 75 100  
 110 37.2 0.0 77.0  
 77 31.7 0.0 62.4



#30  
 2-Butanone  
 Concen: 24.101 ug/l  
 RT: 6.84 min Scan# 1577  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion: 43 Resp: 52473  
 Ion Ratio Lower Upper  
 43 100  
 57 8.0 6.7 10.1  
 72 28.0 22.4 33.6





#31

2,2-Dichloropropane

Concen: 4.068 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

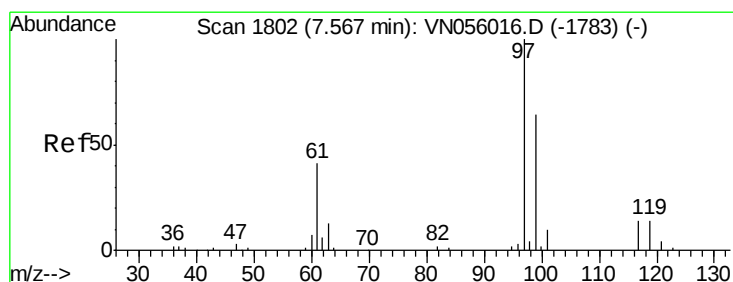
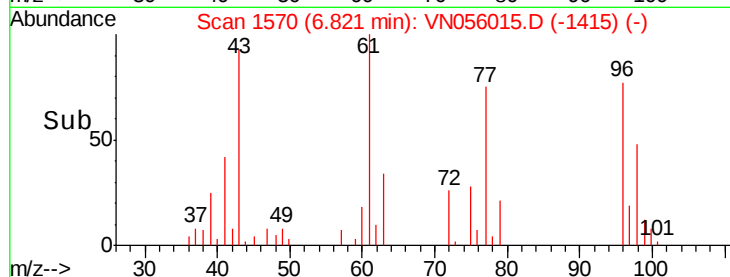
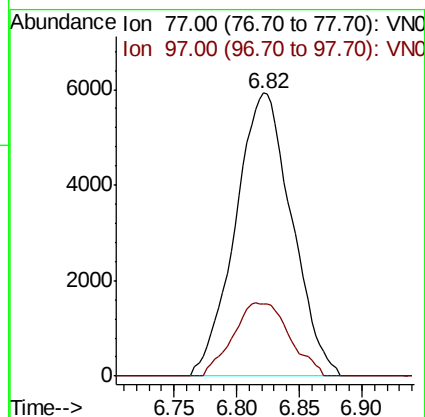
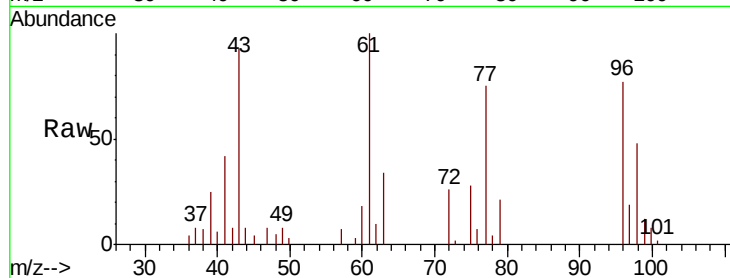
VSTDIC005

Tot Ion: 77 Resp: 18538

Ion Ratio Lower Upper

77 100

97 14.3 20.8 31.2#



#32

1,1,1-Trichloroethane

Concen: 4.532 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

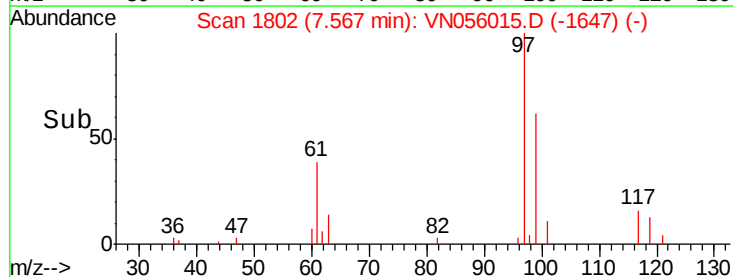
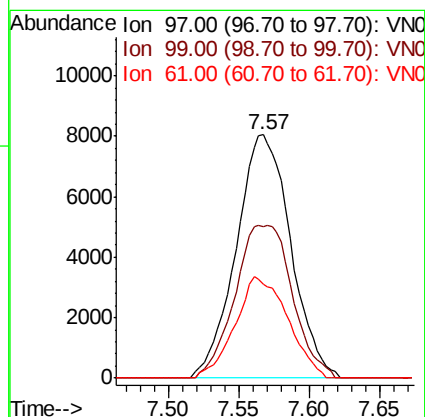
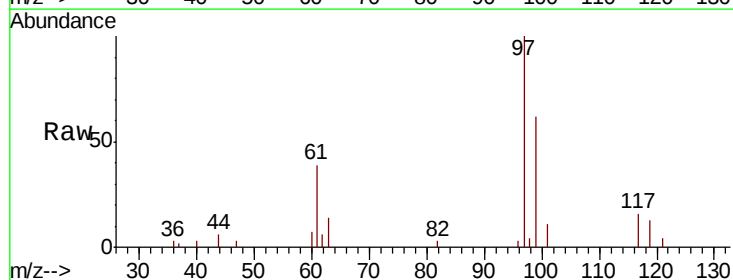
Tgt Ion: 97 Resp: 21700

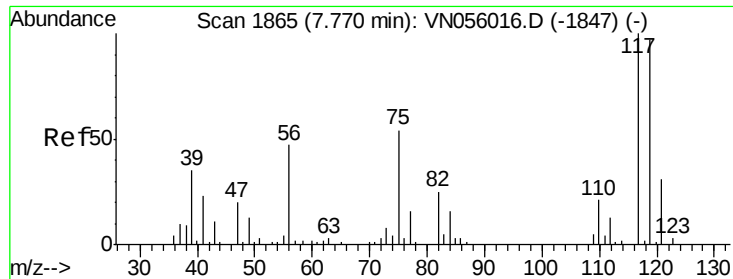
Ion Ratio Lower Upper

97 100

99 34.4 51.5 77.3#

61 40.3 32.9 49.3

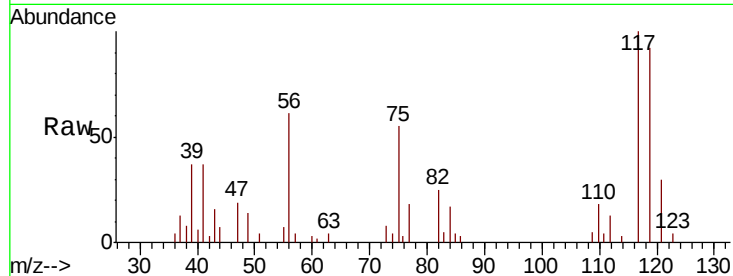




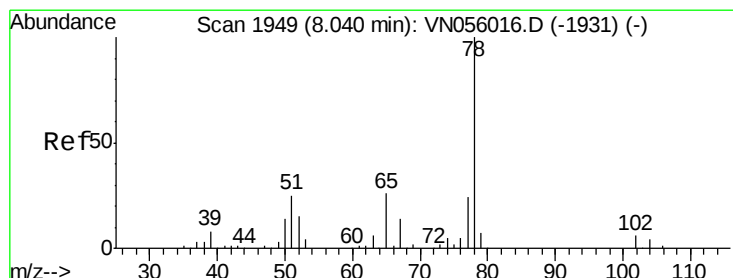
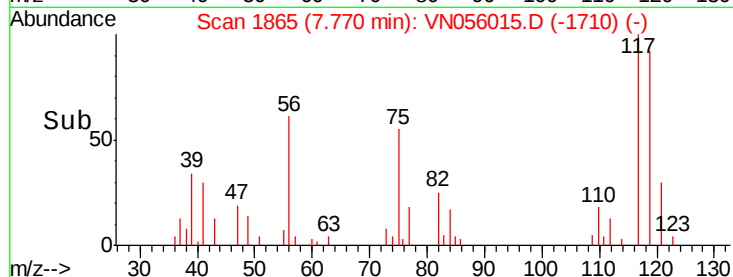
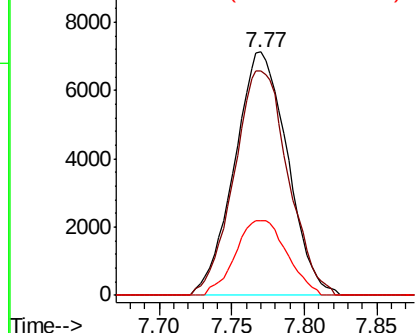
#33  
Carbon Tetrachloride  
Concen: 4.283 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion:117 Resp: 18086  
Ion Ratio Lower Upper  
117 100  
119 91.9 77.3 115.9  
121 30.4 25.0 37.4

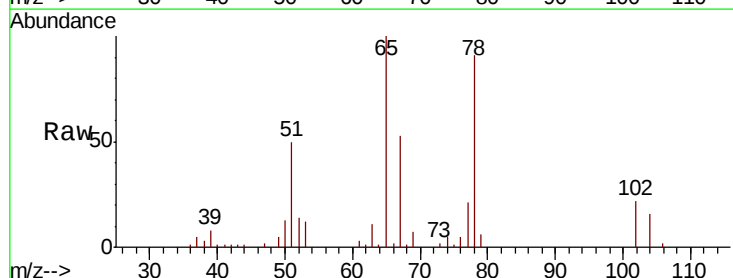


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 119.00 (118.70 to 119.70): V  
Ion 121.00 (120.70 to 121.70): V

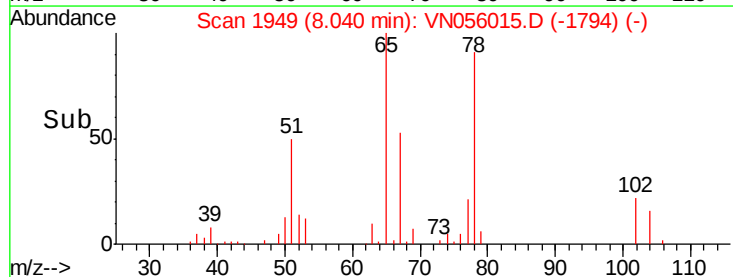
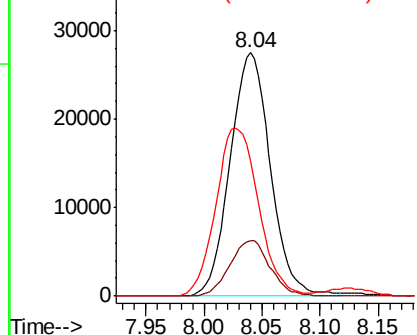


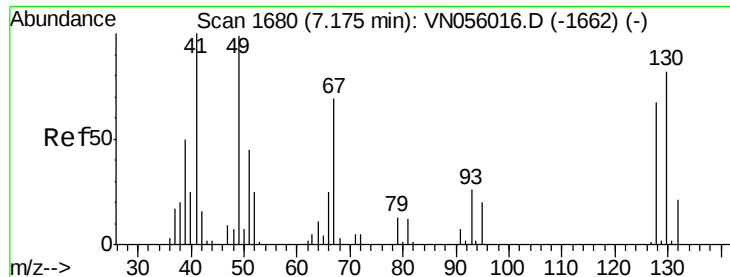
#34  
Benzene  
Concen: 5.201 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 78 Resp: 66285  
Ion Ratio Lower Upper  
78 100  
77 23.0 19.3 28.9  
51 52.6 19.8 29.8#



Abundance Ion 78.10 (77.80 to 78.80): V  
Ion 77.00 (76.70 to 77.70): V  
Ion 51.00 (50.70 to 51.70): V

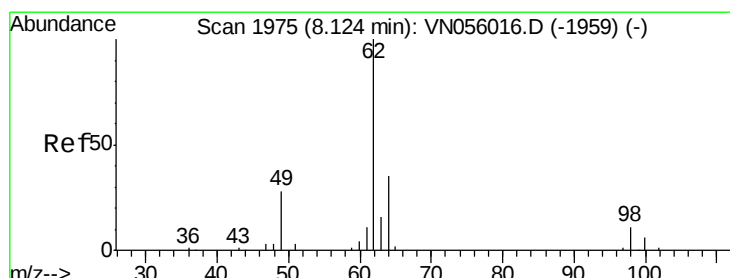
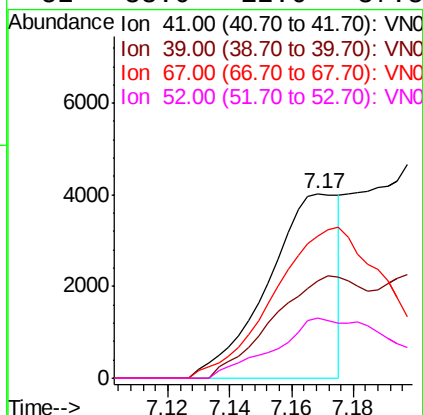
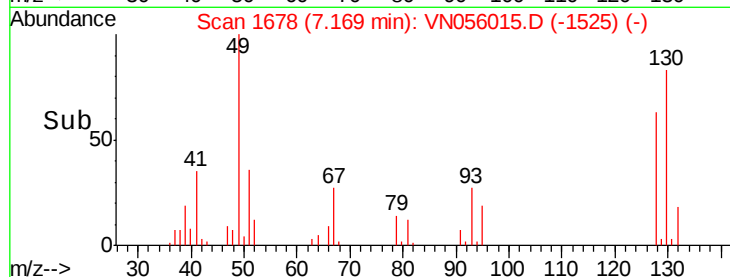
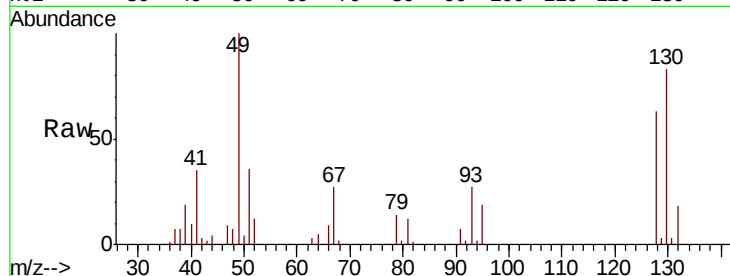




#35  
Methacrylonitrile  
Concen: 3.143 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. -0.01 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

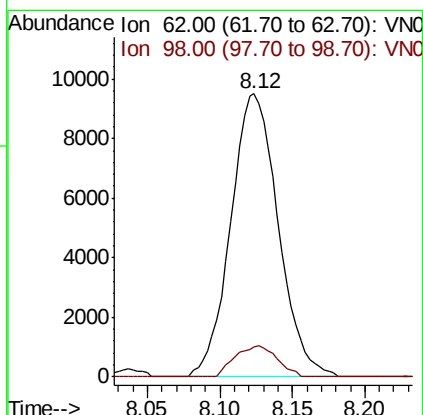
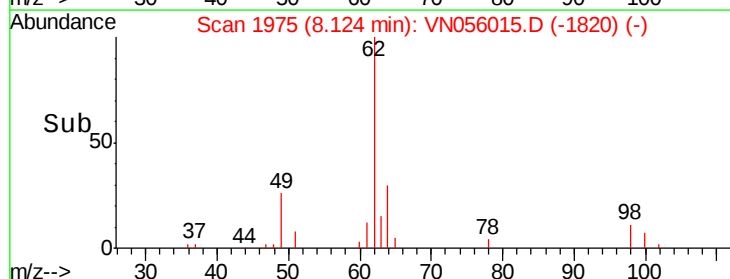
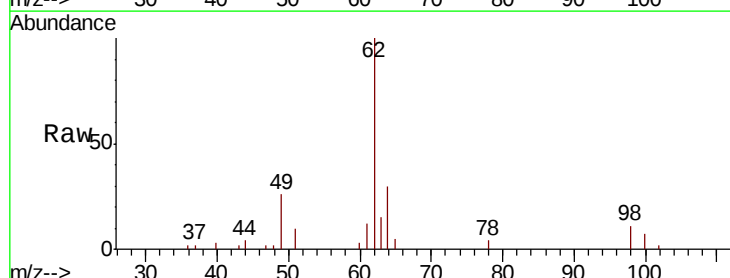
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

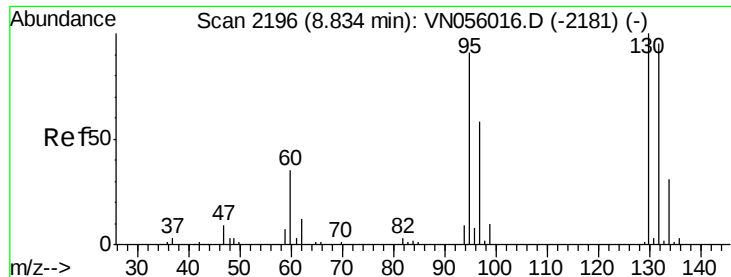
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 6376  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 53.0  | 24.8  | 74.3  |
| 67       | 76.8  | 34.3  | 102.9 |
| 52       | 33.0  | 12.6  | 37.8  |



#36  
1,2-Dichloroethane  
Concen: 5.251 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 21640 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.7   | 8.6   | 13.0  |

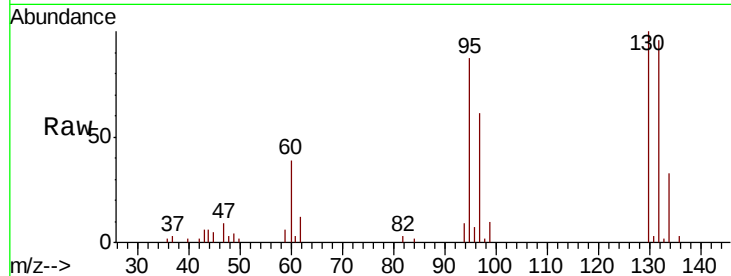




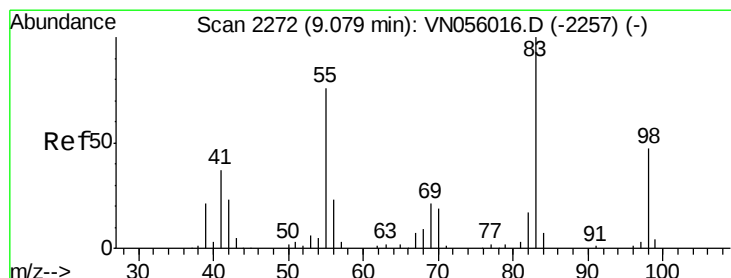
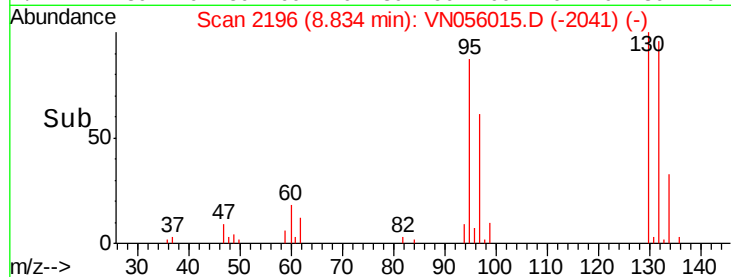
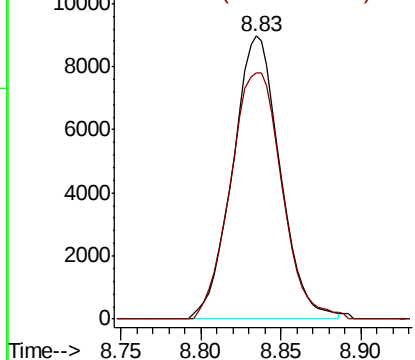
#37  
 Trichloroethene  
 Concen: 5.094 ug/l  
 RT: 8.83 min Scan# 2196  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion:130 Resp: 18164  
 Ion Ratio Lower Upper  
 130 100  
 95 87.0 73.0 109.6

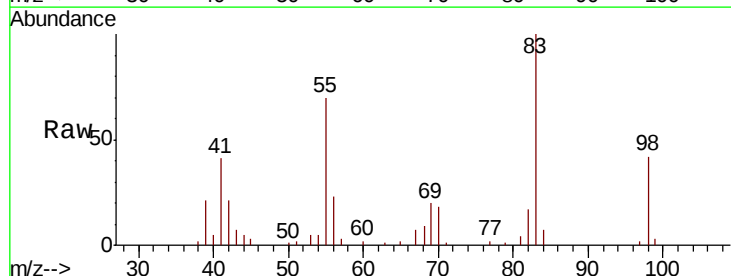


Abundance Ion 129.90 (129.60 to 130.60): V  
 Ion 94.90 (94.60 to 95.60): VN

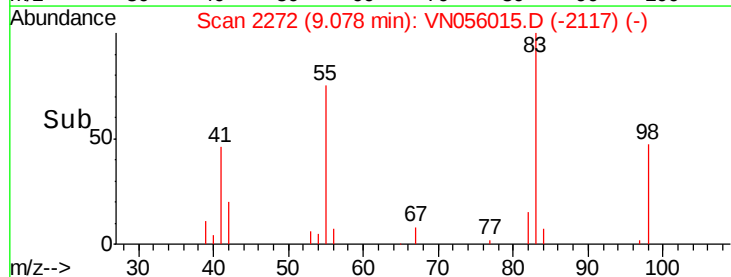
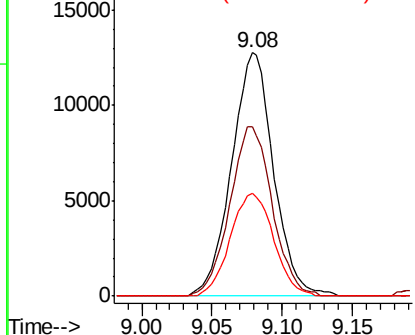


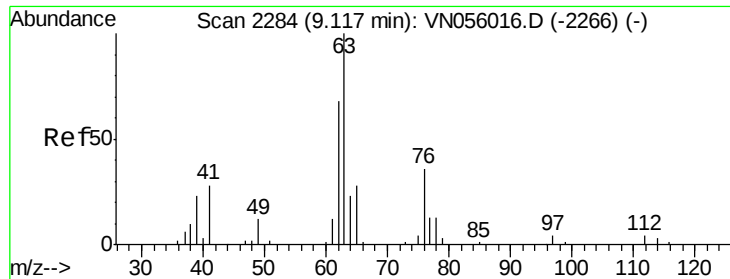
#38  
 Methylcyclohexane  
 Concen: 5.129 ug/l  
 RT: 9.08 min Scan# 2272  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion: 83 Resp: 26617  
 Ion Ratio Lower Upper  
 83 100  
 55 70.1 37.5 112.7  
 98 43.6 23.1 69.3



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

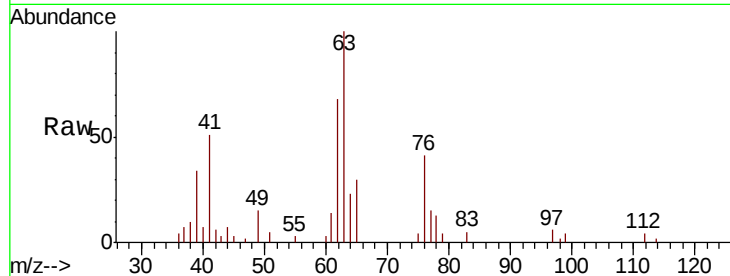




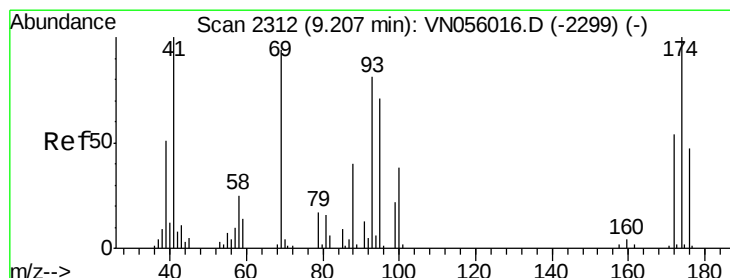
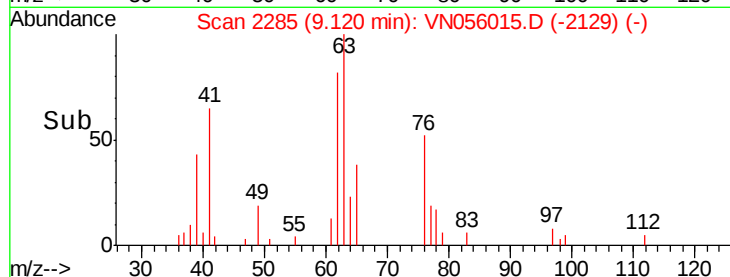
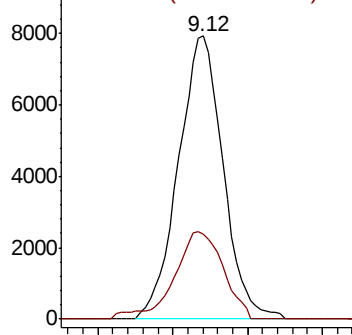
#39  
 1,2-Dichloropropane  
 Concen: 4.860 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 63 Resp: 16507  
 Ion Ratio Lower Upper  
 63 100  
 65 29.8 23.1 34.7

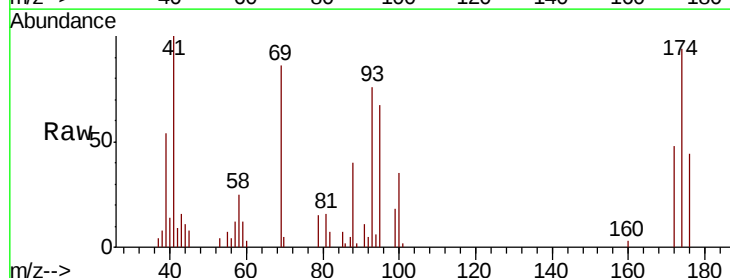


Abundance Ion 63.00 (62.70 to 63.70): VN0  
 Ion 65.00 (64.70 to 65.70): VN0

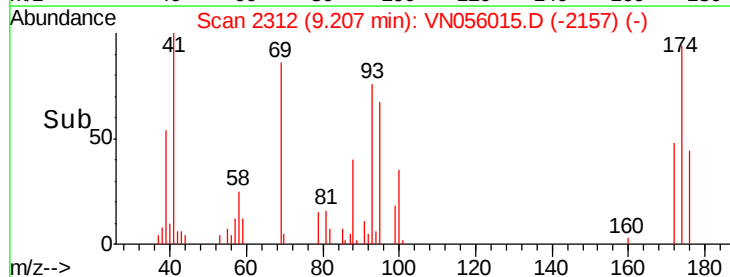
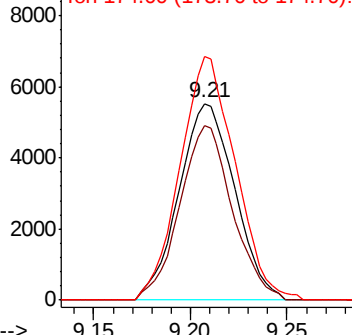


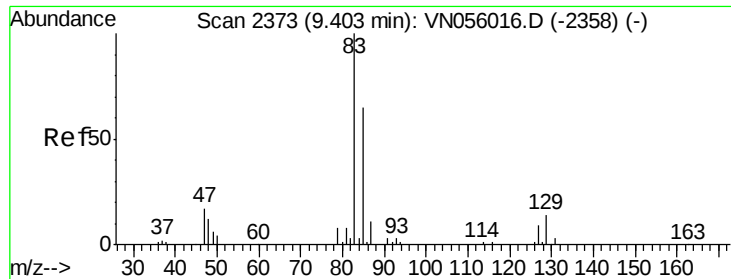
#40  
 Dibromomethane  
 Concen: 5.022 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion: 93 Resp: 11082  
 Ion Ratio Lower Upper  
 93 100  
 95 83.7 0.0 169.0  
 174 122.6 0.0 246.4



Abundance Ion 93.00 (92.70 to 93.70): VN0  
 Ion 95.00 (94.70 to 95.70): VN0  
 Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.148 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

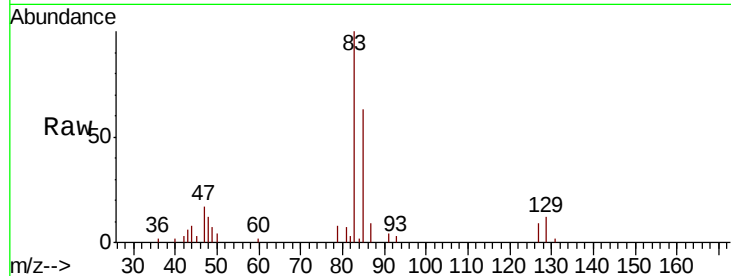
Tot Ion: 83 Resp: 18154

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.6

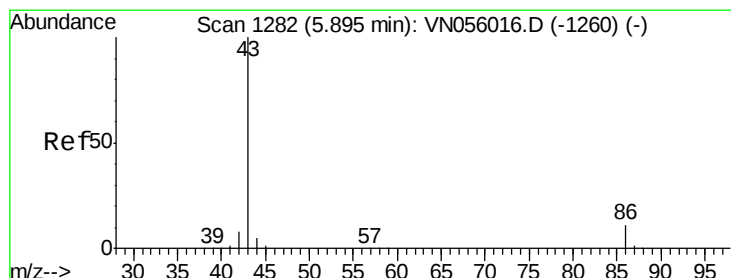
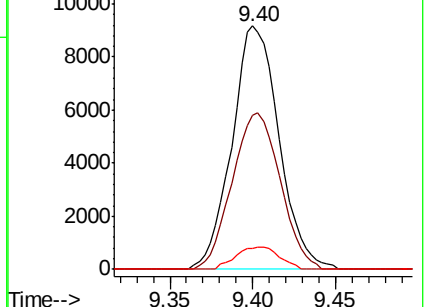
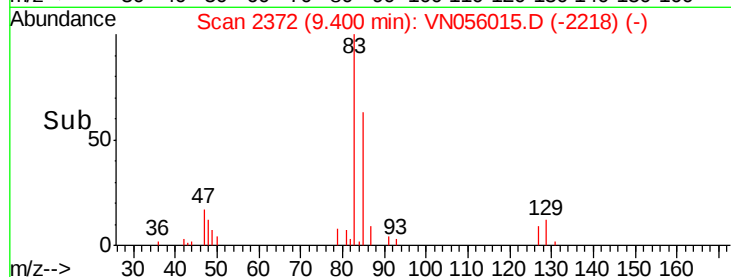
127 8.8 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VN056015.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN056015.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN056015.D (-2218) (-)



#42

Vinyl Acetate

Concen: 21.454 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056015.D

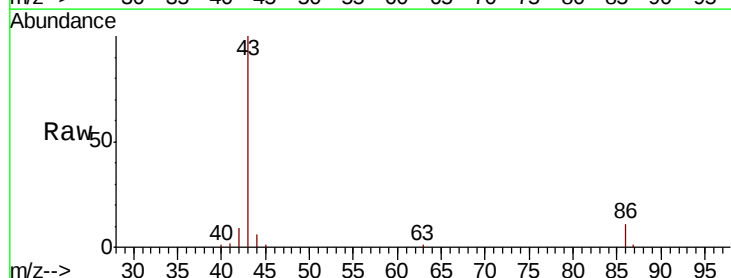
Acq: 5 Jun 2019 18:53

Tgt Ion: 43 Resp: 178105

Ion Ratio Lower Upper

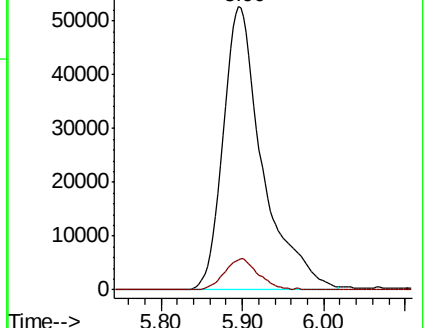
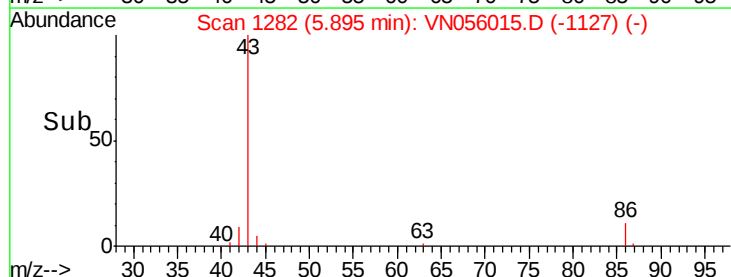
43 100

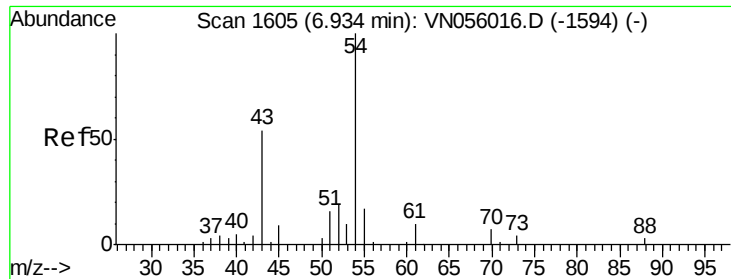
86 9.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN056015.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN056015.D (-1127) (-)

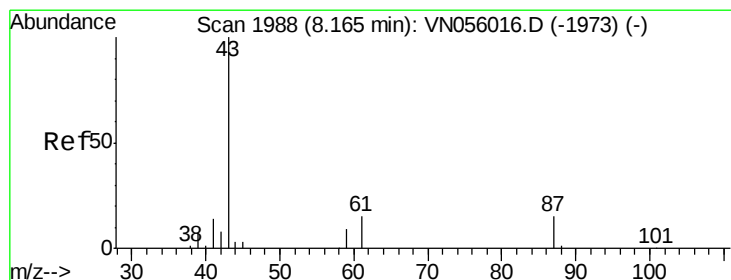
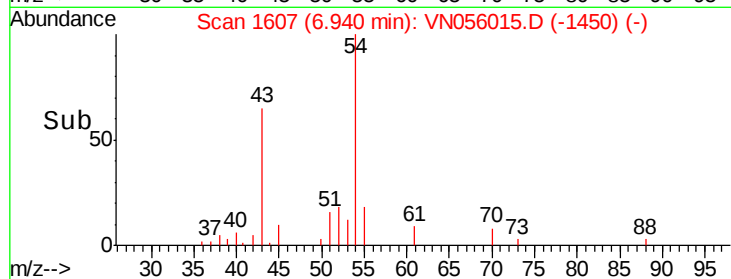
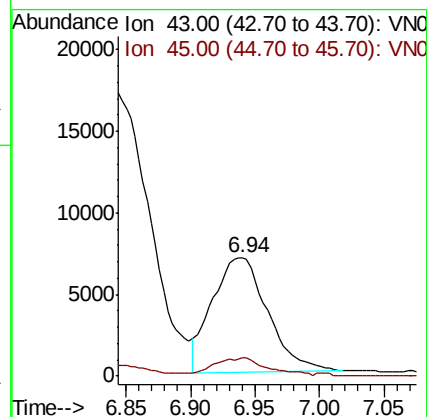
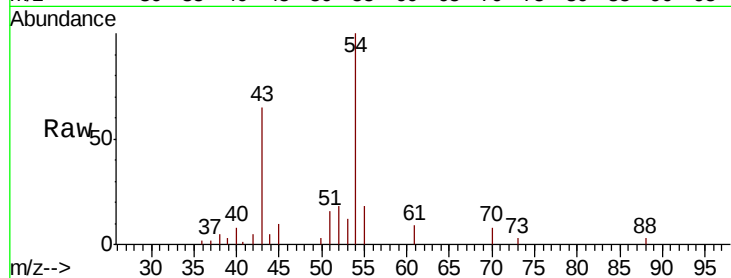




#43  
Ethyl Acetate  
Concen: 4.984 ug/l  
RT: 6.94 min Scan# 1607  
Delta R.T. 0.01 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

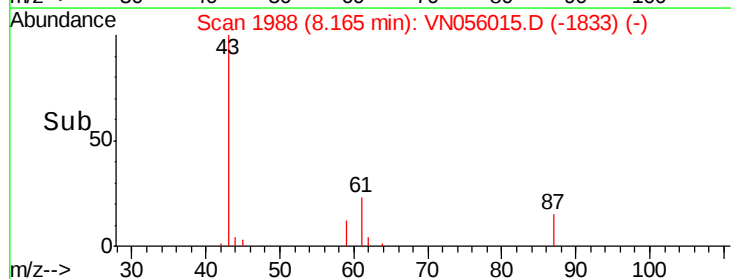
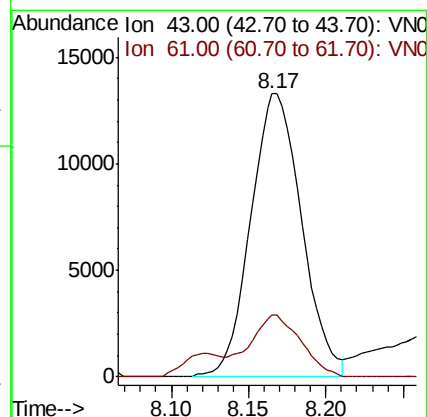
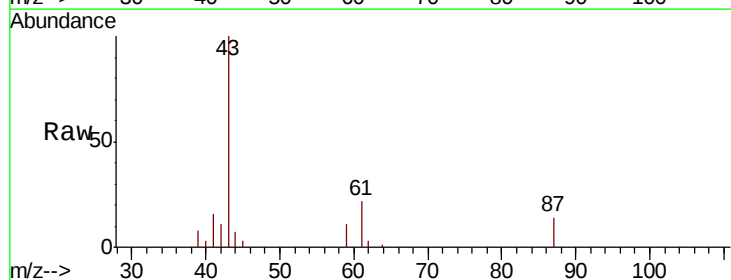
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

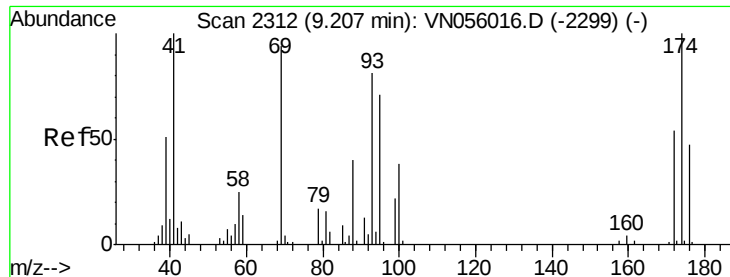
Tot Ion: 43 Resp: 21169  
Ion Ratio Lower Upper  
43 100  
45 5.1 12.3 18.5#



#44  
Isopropyl Acetate  
Concen: 4.390 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 43 Resp: 30474  
Ion Ratio Lower Upper  
43 100  
61 19.7 16.9 25.3

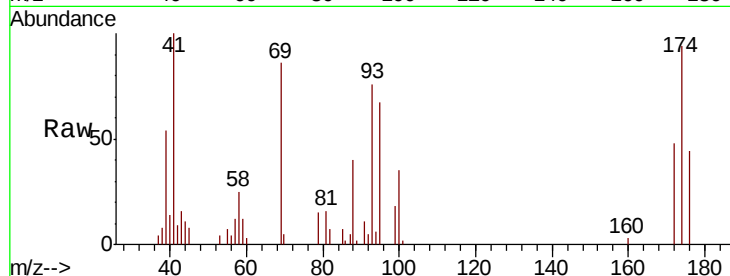




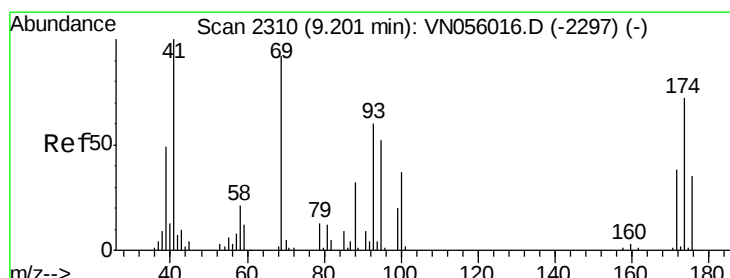
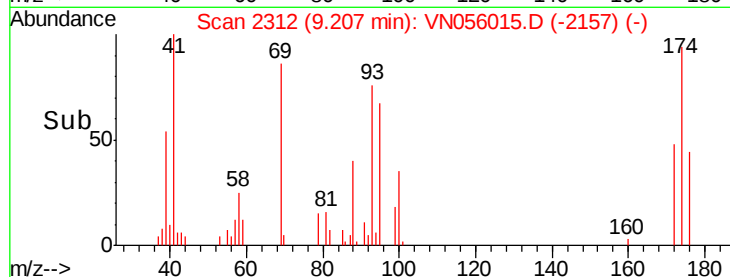
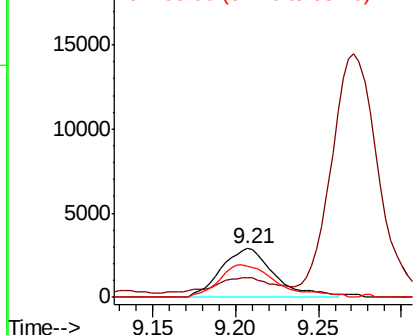
#45  
 1,4-Dioxane  
 Concen: 97.231 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 88 Resp: 6548  
 Ion Ratio Lower Upper  
 88 100  
 43 30.5 19.8 29.6#  
 58 65.2 48.5 72.7

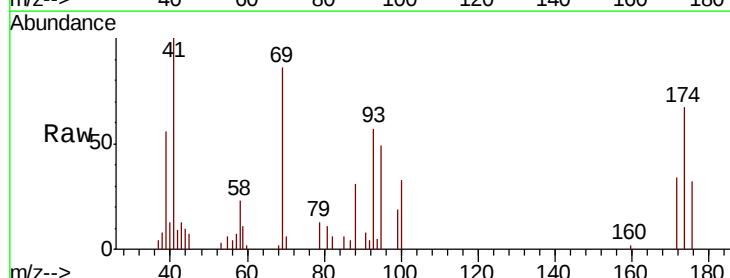


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

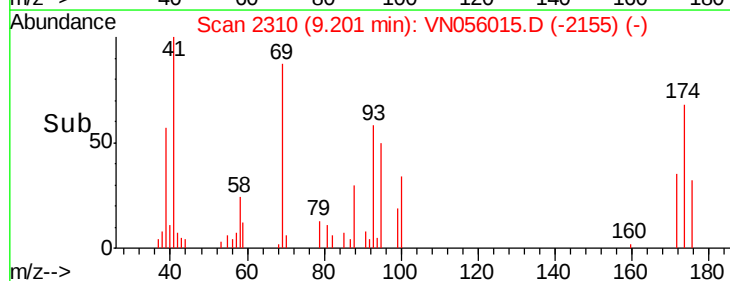
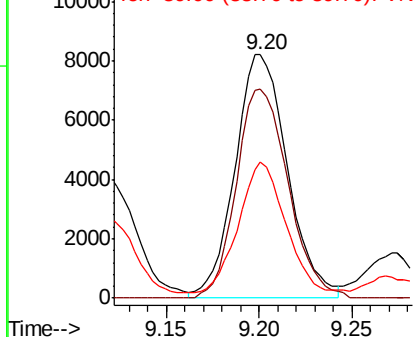


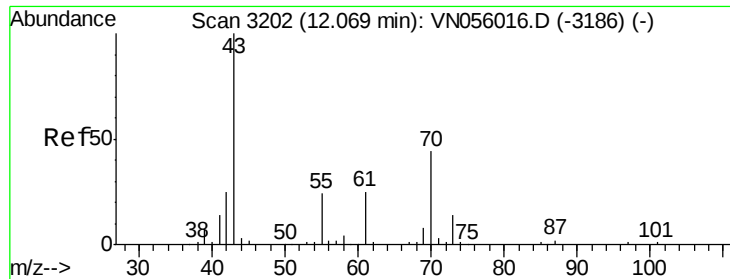
#46  
 Methyl methacrylate  
 Concen: 4.970 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion: 41 Resp: 16144  
 Ion Ratio Lower Upper  
 41 100  
 69 87.6 46.0 137.8  
 39 54.9 24.6 73.8



Abundance Ion 41.00 (40.70 to 41.70): VN0  
 Ion 69.00 (68.70 to 69.70): VN0  
 Ion 39.00 (38.70 to 39.70): VN0

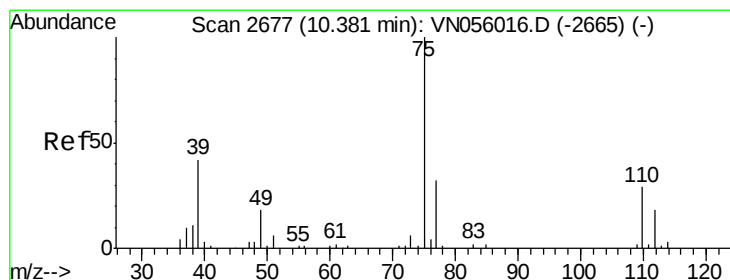
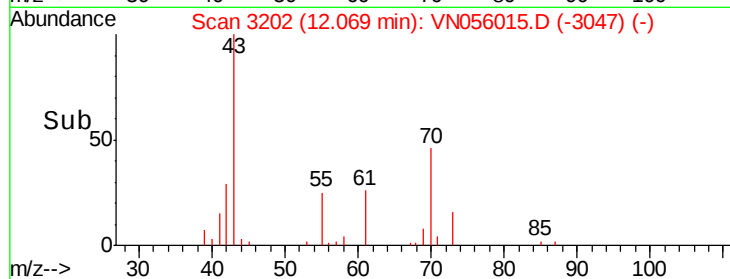
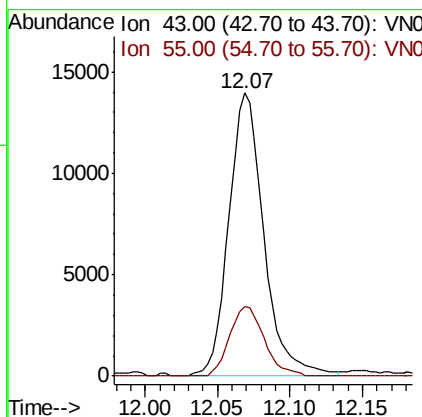
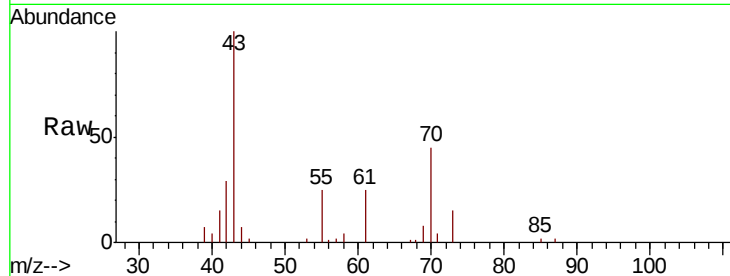




#47  
n-amyl Acetate  
Concen: 4.107 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

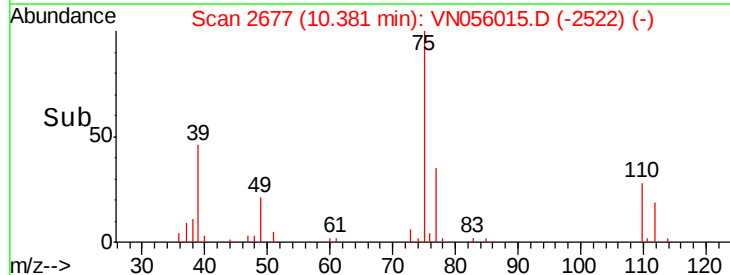
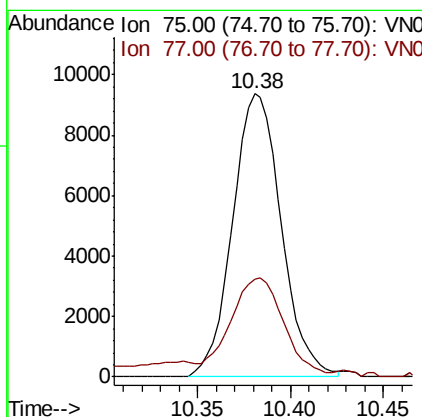
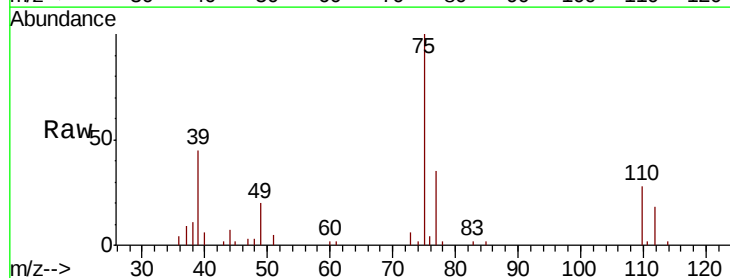
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

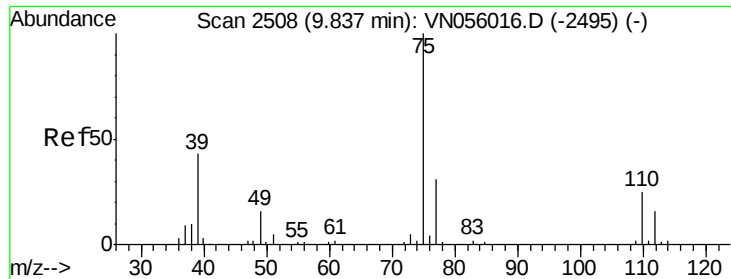
Tot Ion: 43 Resp: 23503  
Ion Ratio Lower Upper  
43 100  
55 24.3 19.0 28.6



#48  
t-1,3-Dichloropropene  
Concen: 3.574 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 75 Resp: 17075  
Ion Ratio Lower Upper  
75 100  
77 32.5 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 4.061 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

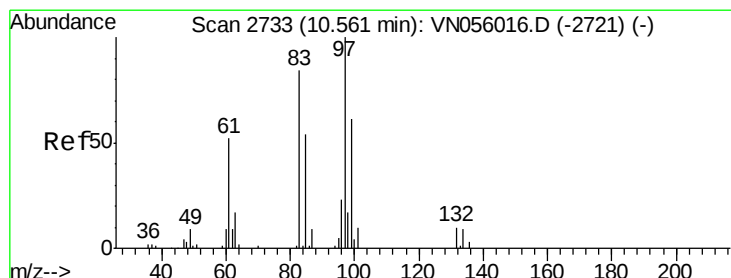
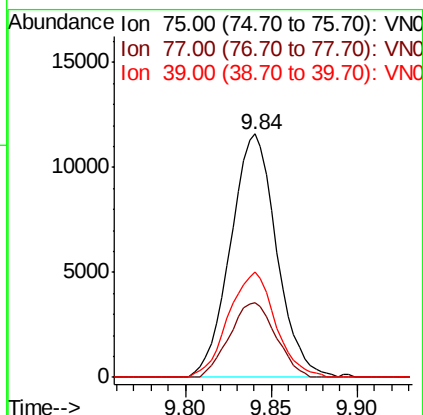
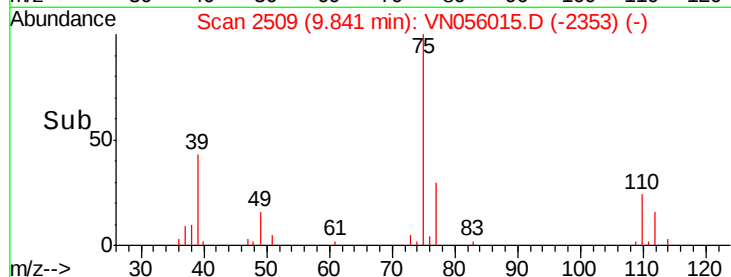
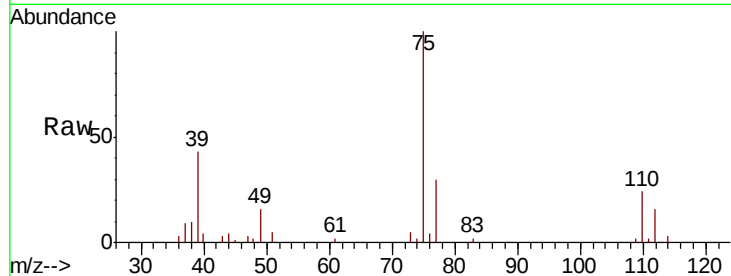
Tot Ion: 75 Resp: 21558

Ion Ratio Lower Upper

75 100

77 30.5 25.1 37.7

39 43.1 34.3 51.5



#50

1,1,2-Trichloroethane

Concen: 5.151 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Tgt Ion: 97 Resp: 16551

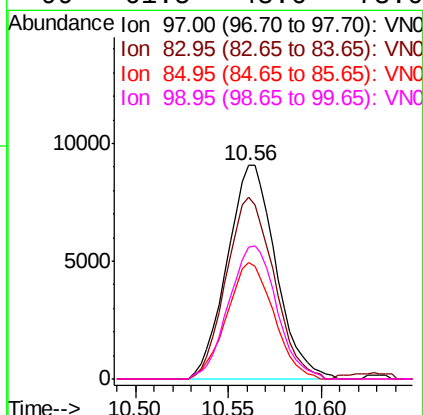
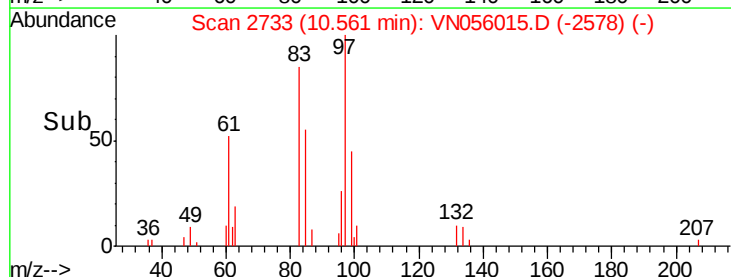
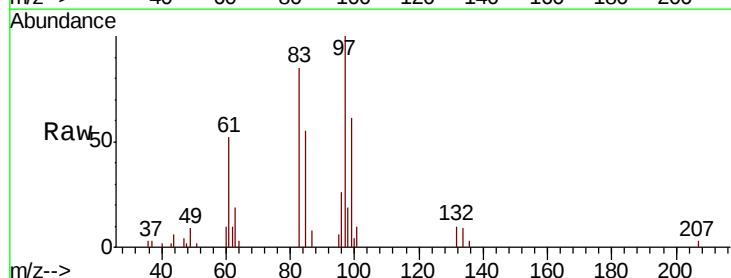
Ion Ratio Lower Upper

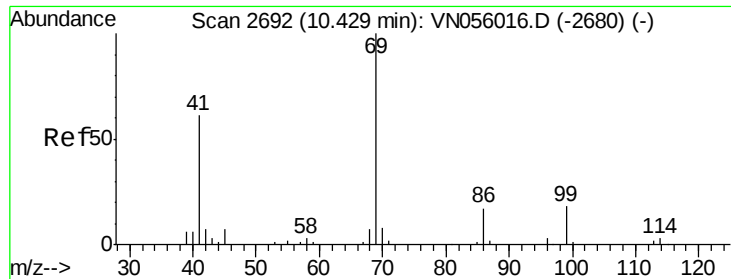
97 100

83 85.3 66.9 100.3

85 54.8 43.3 64.9

99 61.5 48.6 73.0





#51

Ethyl methacrylate

Concen: 4.665 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC005

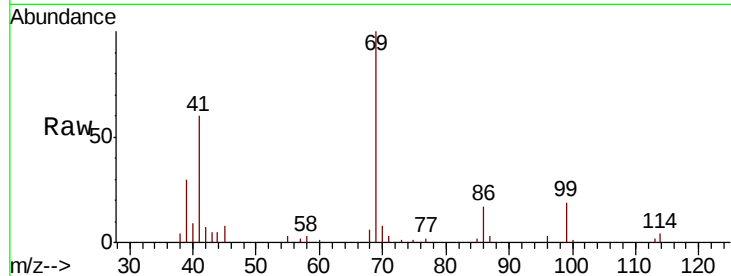
Tot Ion: 69 Resp: 23737

Ion Ratio Lower Upper

69 100

41 60.2 30.8 92.3

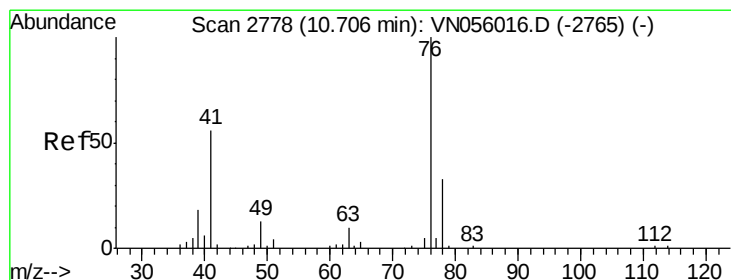
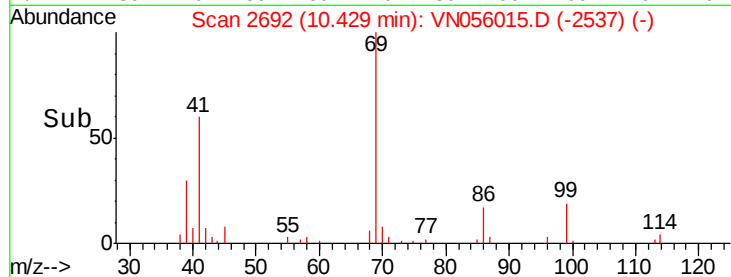
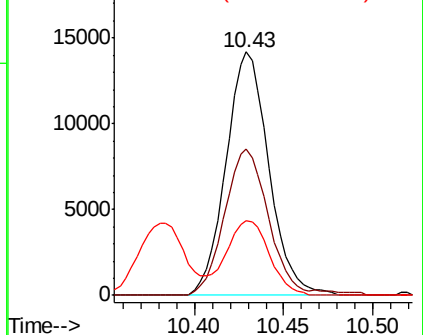
39 30.5 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 4.980 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056015.D

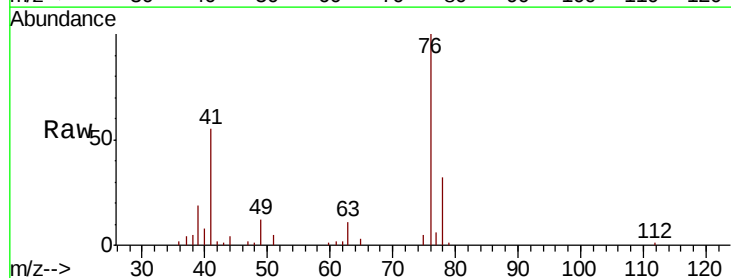
Acq: 5 Jun 2019 18:53

Tgt Ion: 76 Resp: 26288

Ion Ratio Lower Upper

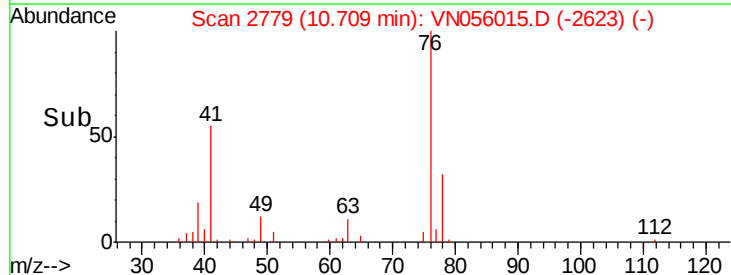
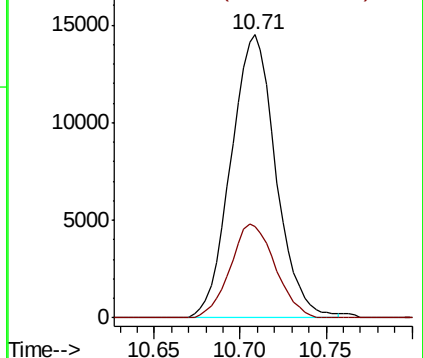
76 100

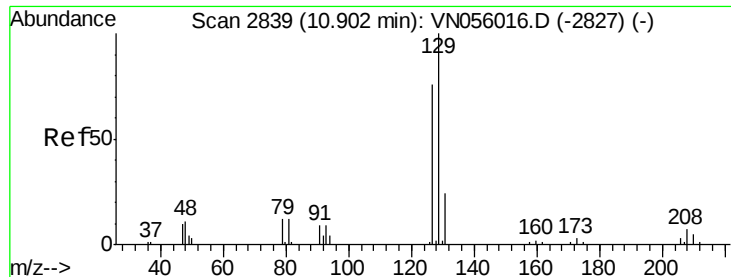
78 33.1 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 3.642 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

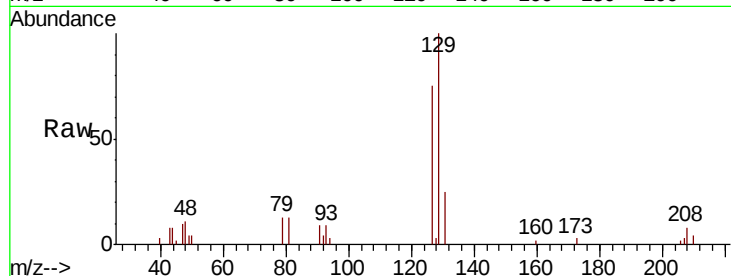
VSTDIC005

Tot Ion:129 Resp: 13232

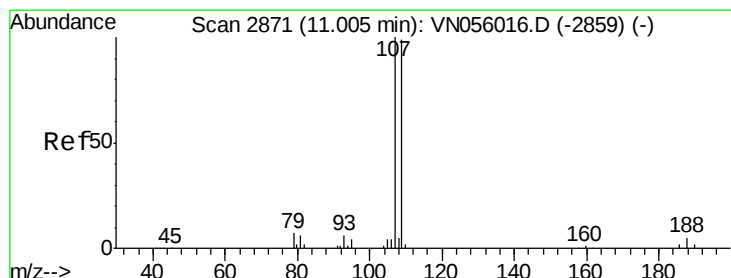
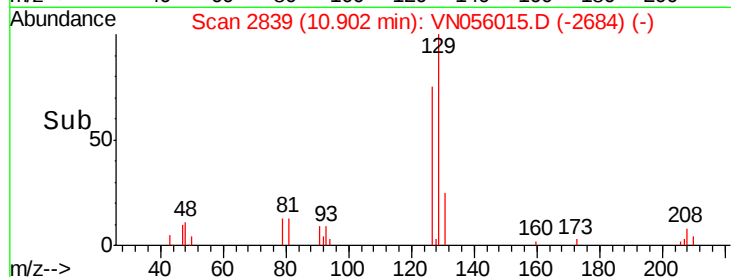
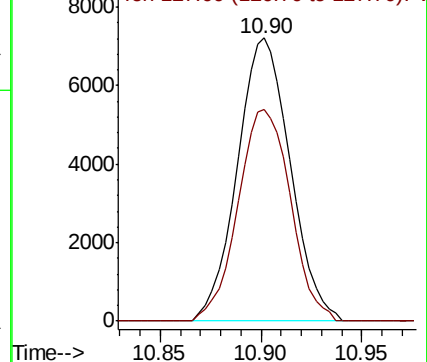
Ion Ratio Lower Upper

129 100

127 74.3 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.987 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056015.D

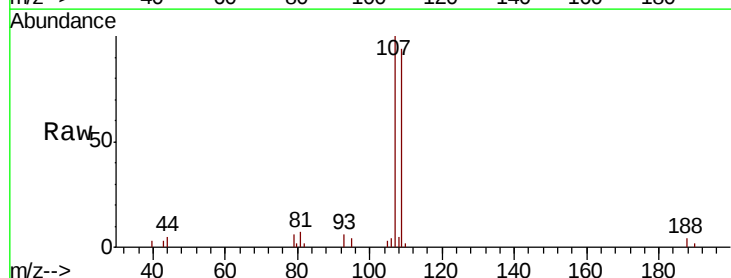
Acq: 5 Jun 2019 18:53

Tgt Ion:107 Resp: 16578

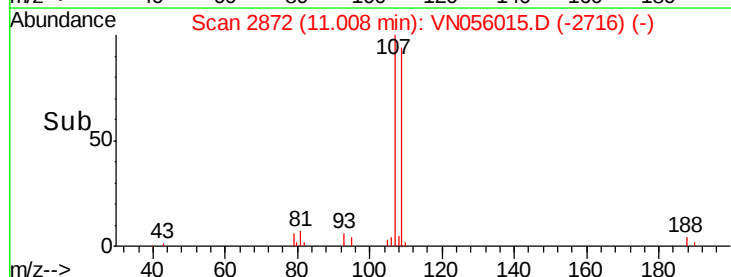
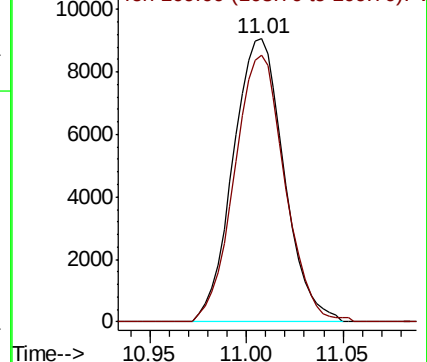
Ion Ratio Lower Upper

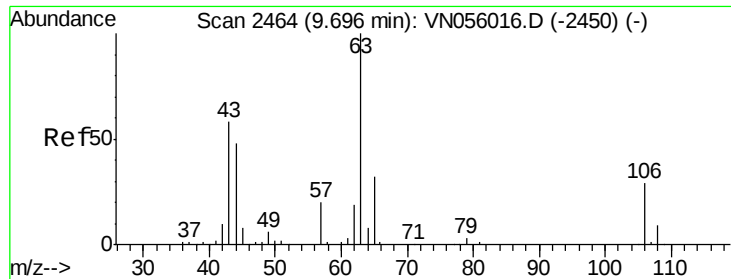
107 100

109 92.9 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V  
Ion 109.00 (108.70 to 109.70): V

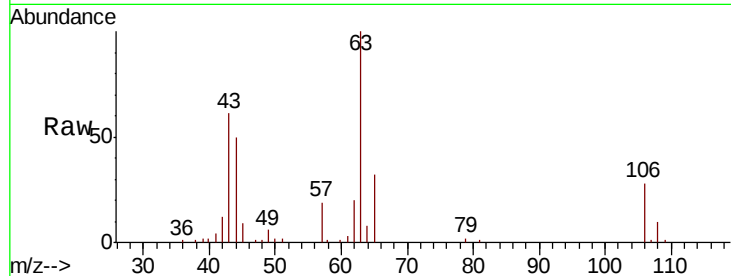




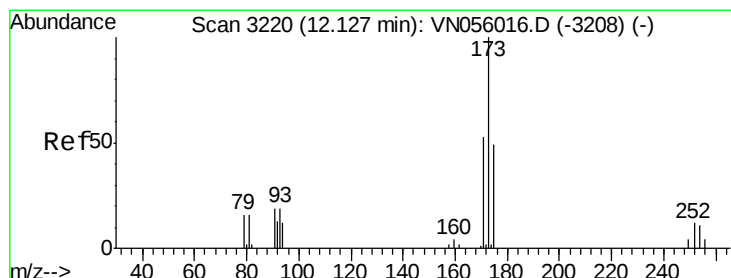
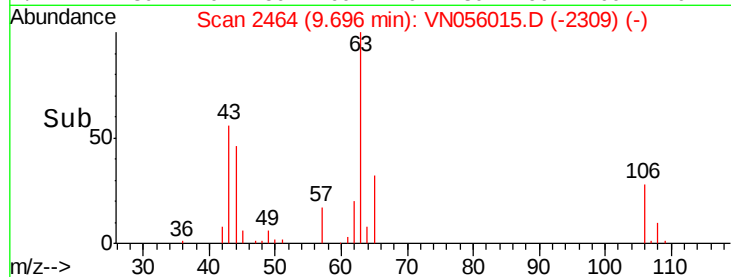
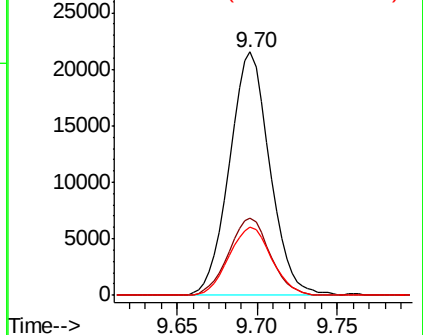
#55  
 2-Chloroethyl vinyl ether  
 Concen: 19.035 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 63 Resp: 36967  
 Ion Ratio Lower Upper  
 63 100  
 65 32.6 25.5 38.3  
 106 29.6 23.0 34.4

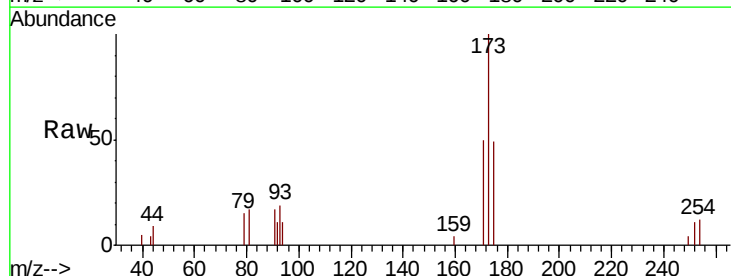


Abundance Ion 63.00 (62.70 to 63.70): VN056015.D (-2309) (-)  
 Ion 65.00 (64.70 to 65.70): VN056015.D (-2309) (-)  
 Ion 106.00 (105.70 to 106.70): VN056015.D (-2309) (-)

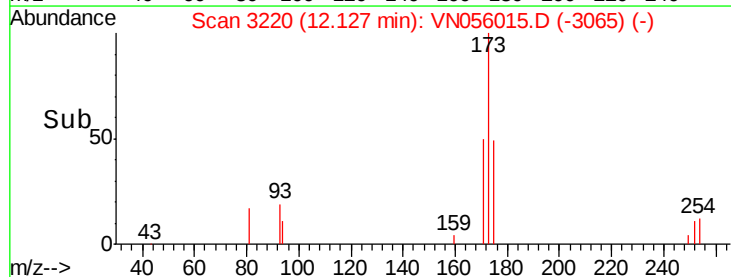
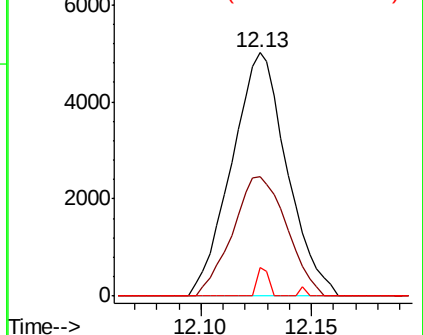


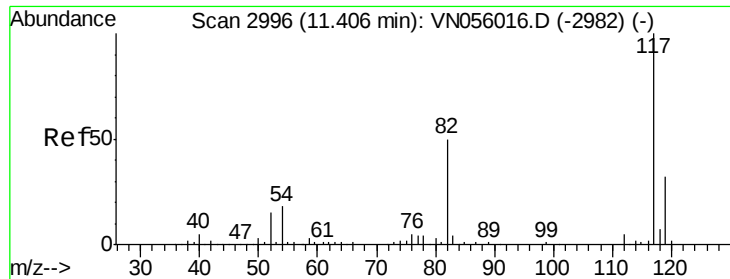
#56  
 Bromoform  
 Concen: 3.007 ug/l  
 RT: 12.13 min Scan# 3220  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion: 173 Resp: 8715  
 Ion Ratio Lower Upper  
 173 100  
 175 48.0 38.7 58.1  
 254 2.5 6.6 9.8#



Abundance Ion 173.00 (172.70 to 173.70): VN056015.D (-3065) (-)  
 Ion 175.00 (174.70 to 175.70): VN056015.D (-3065) (-)  
 Ion 254.00 (253.70 to 254.70): VN056015.D (-3065) (-)

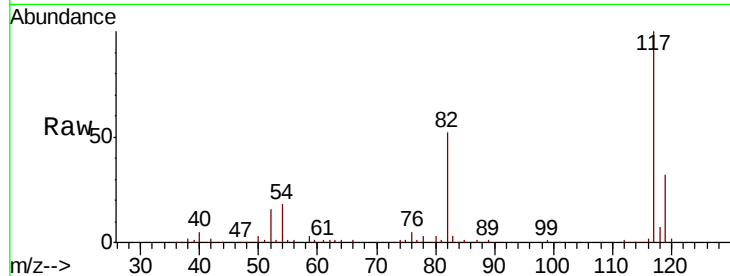




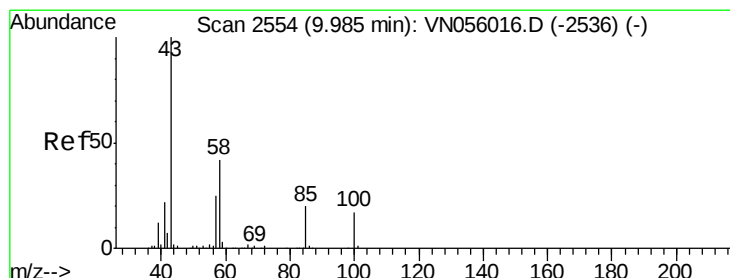
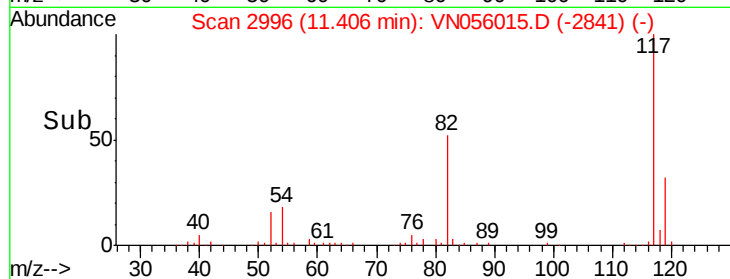
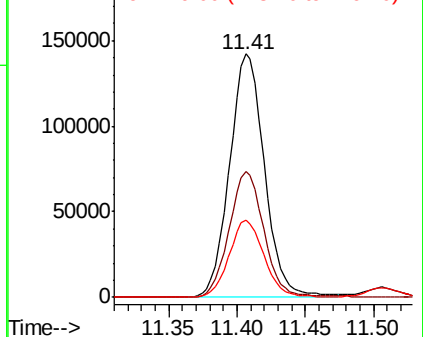
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion:117 Resp: 253035  
Ion Ratio Lower Upper  
117 100  
82 51.4 41.2 61.8  
119 31.9 26.2 39.2

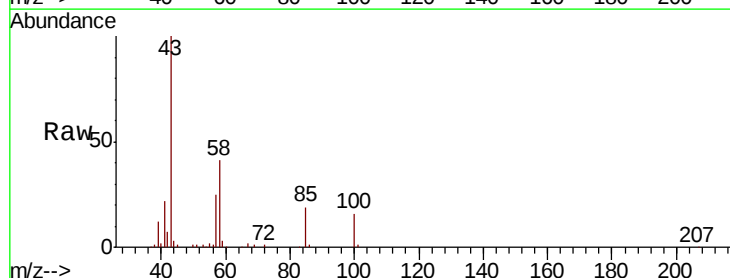


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 119.00 (118.70 to 119.70): V

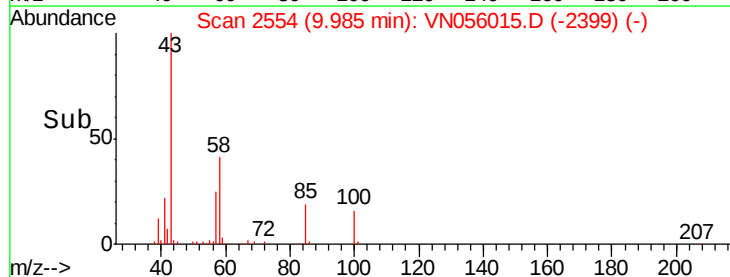
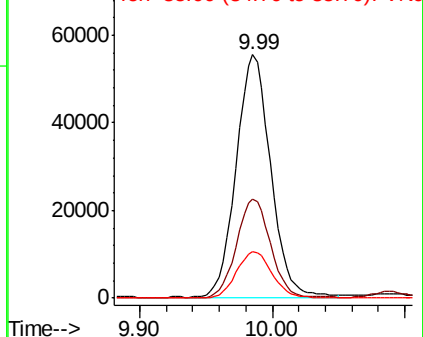


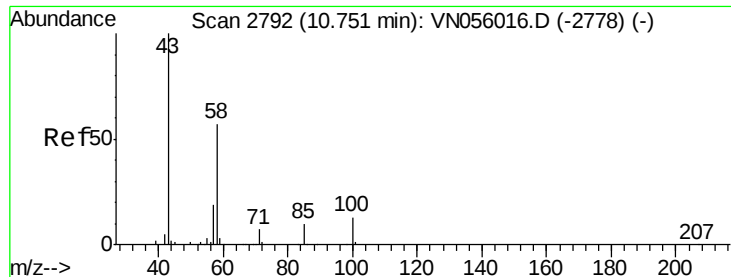
#58  
4-Methyl-2-Pentanone  
Concen: 24.455 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 43 Resp: 100027  
Ion Ratio Lower Upper  
43 100  
58 40.5 33.1 49.7  
85 19.8 15.5 23.3



Abundance Ion 43.00 (42.70 to 43.70): VN  
Ion 58.00 (57.70 to 58.70): VN  
Ion 85.00 (84.70 to 85.70): VN

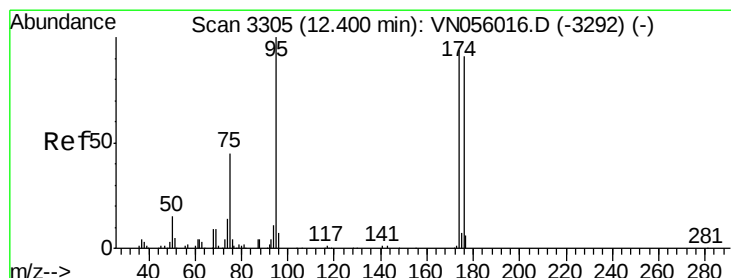
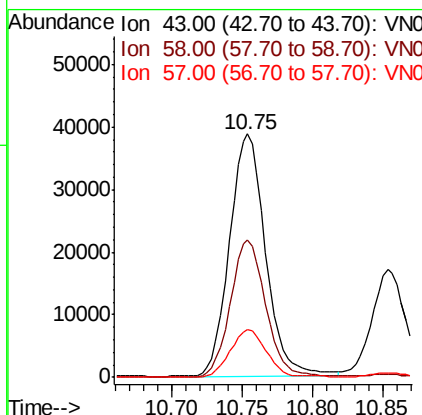
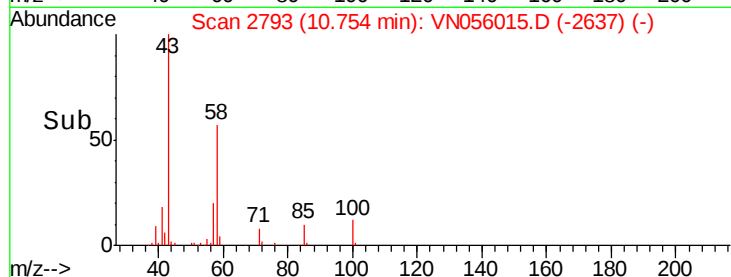
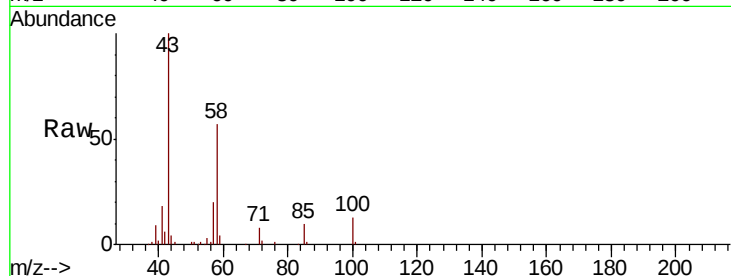




#59  
2-Hexanone  
Concen: 23.767 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

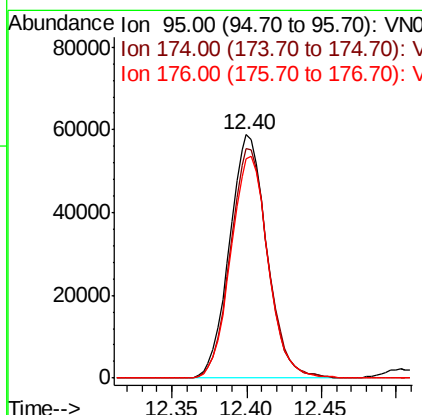
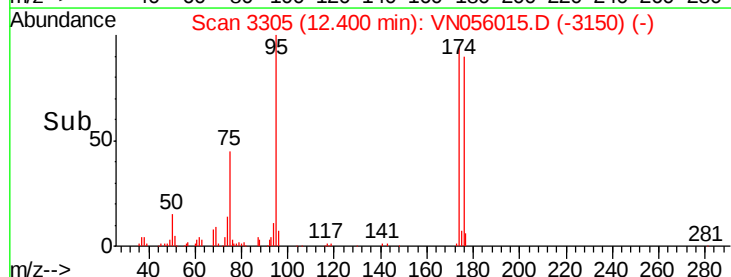
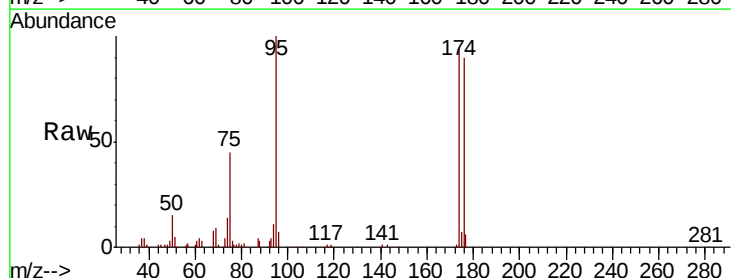
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

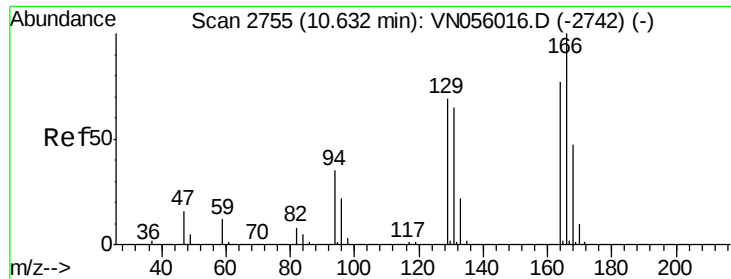
Tot Ion: 43 Resp: 69625  
Ion Ratio Lower Upper  
43 100  
58 55.4 45.3 67.9  
57 19.6 15.6 23.4



#60  
4-Bromofluorobenzene  
Concen: 26.232 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 95 Resp: 102030  
Ion Ratio Lower Upper  
95 100  
174 94.8 75.4 113.0  
176 91.3 73.9 110.9





#61

Tetrachloroethene

Concen: 5.639 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 19375

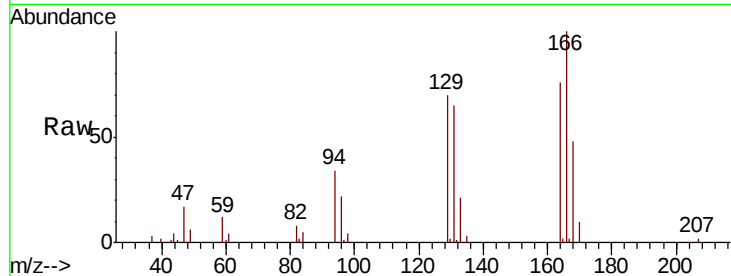
Ion Ratio Lower Upper

164 100

166 131.0 104.3 156.5

129 91.6 71.5 107.3

131 84.8 67.7 101.5

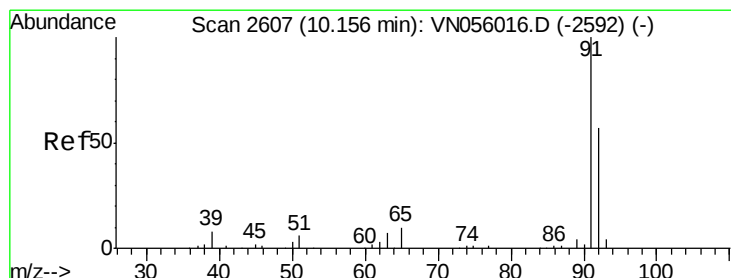
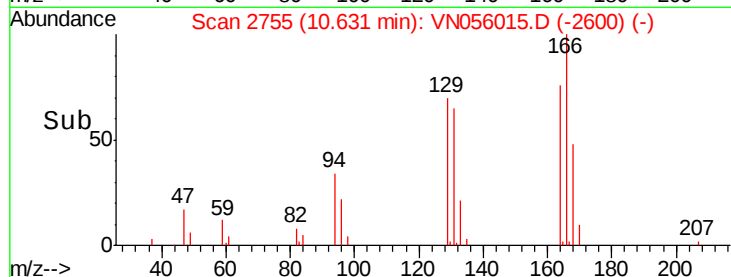
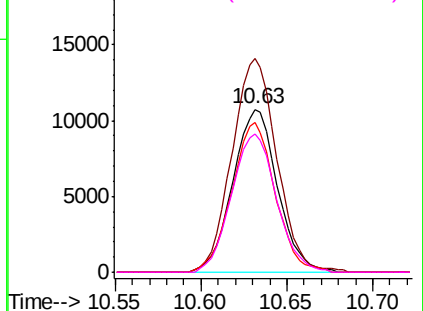


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.442 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056015.D

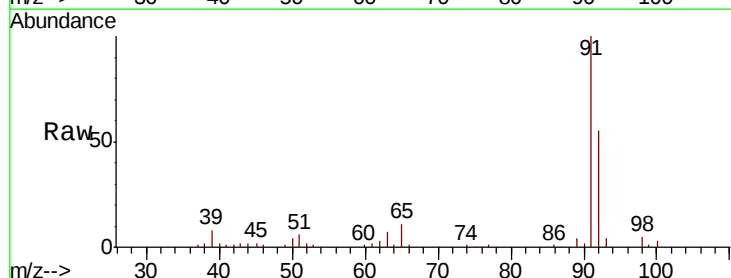
Acq: 5 Jun 2019 18:53

Tgt Ion: 91 Resp: 73845

Ion Ratio Lower Upper

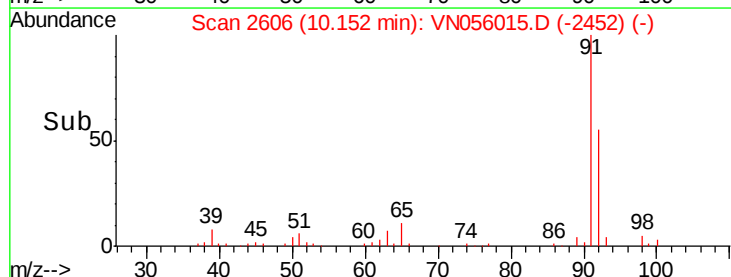
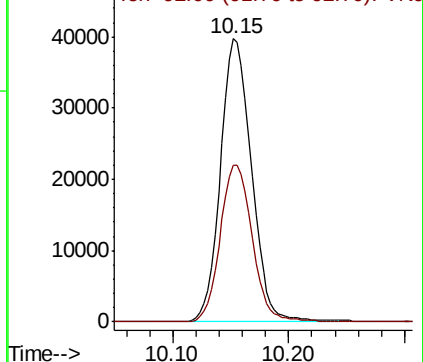
91 100

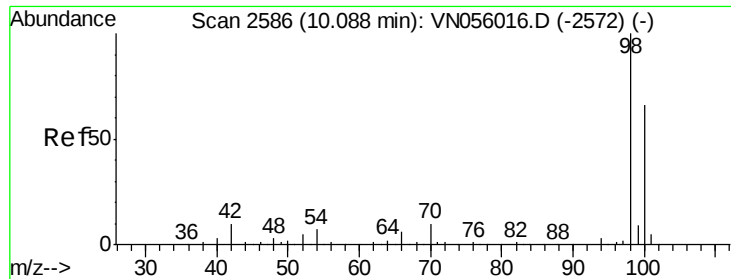
92 57.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.705 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

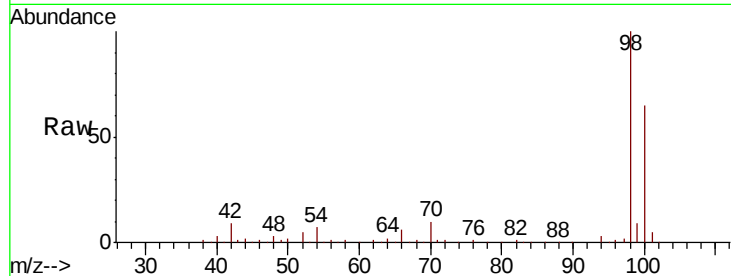
VSTDIC005

Tot Ion: 98 Resp: 354980

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

10.09

200000

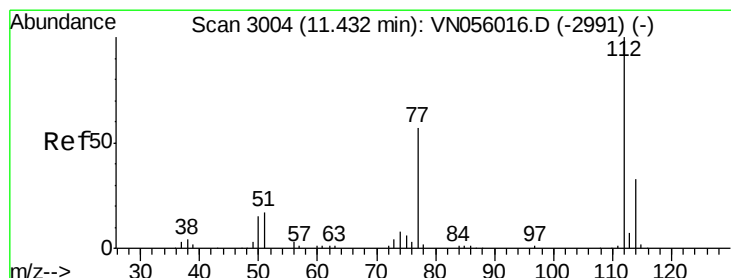
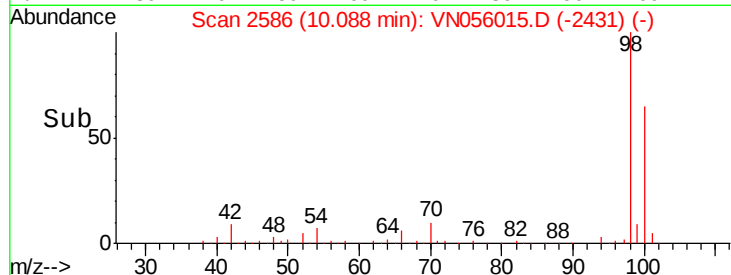
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 5.180 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056015.D

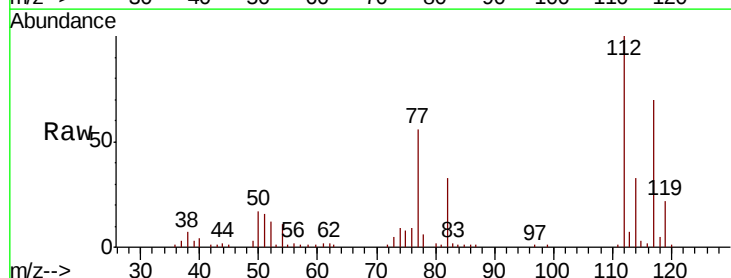
Acq: 5 Jun 2019 18:53

Tgt Ion: 112 Resp: 42602

Ion Ratio Lower Upper

112 100

114 32.7 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056016.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056016.D (-2991) (-)

11.43

25000

20000

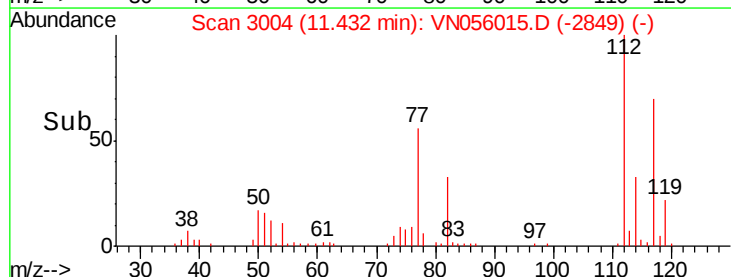
15000

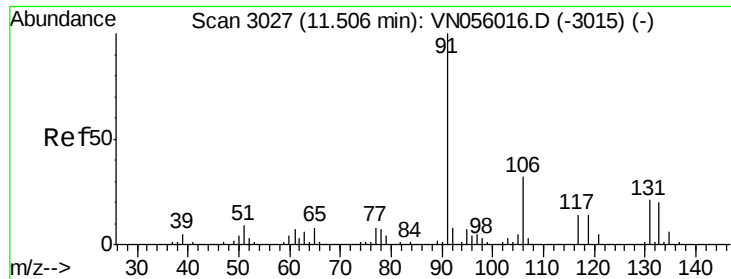
10000

5000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 4.489 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

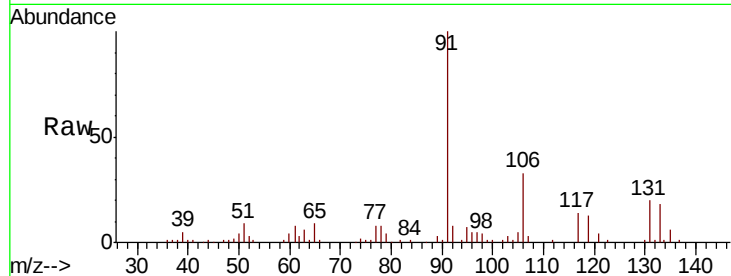
Tot Ion:131 Resp: 14518

Ion Ratio Lower Upper

131 100

133 93.9 0.0 193.8

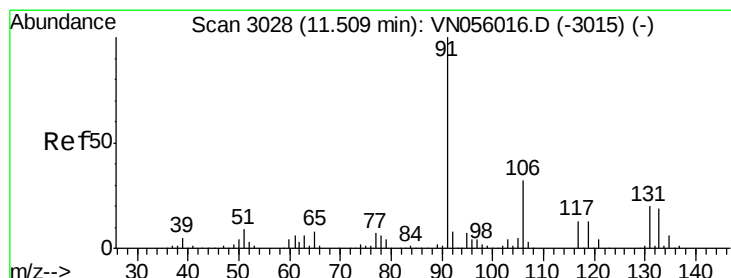
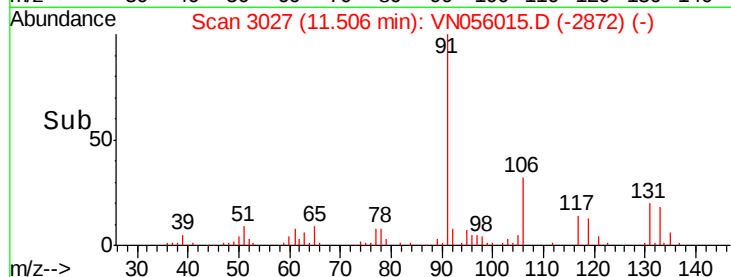
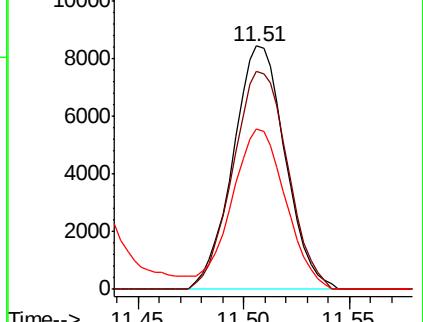
119 68.5 0.0 134.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.063 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056015.D

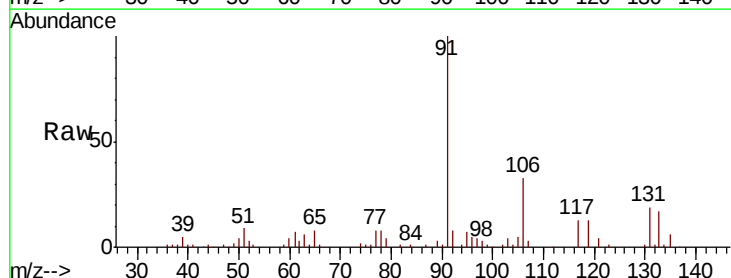
Acq: 5 Jun 2019 18:53

Tgt Ion: 91 Resp: 74681

Ion Ratio Lower Upper

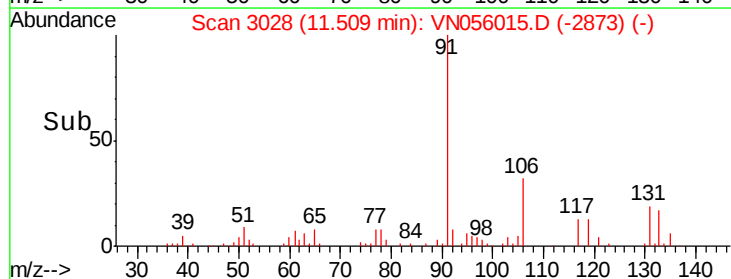
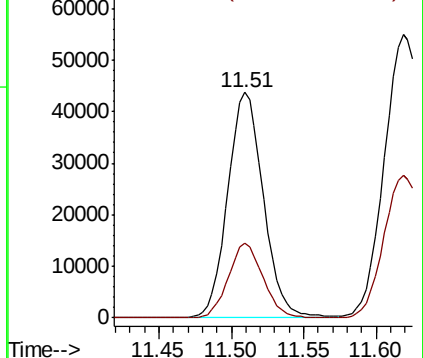
91 100

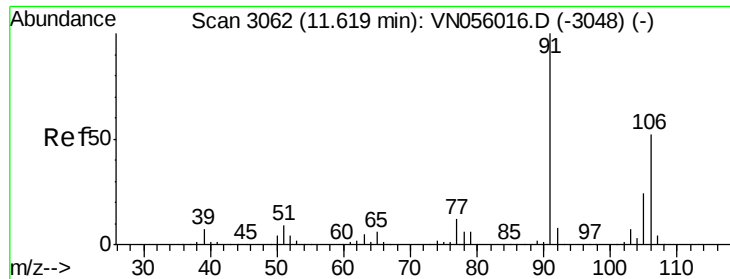
106 33.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

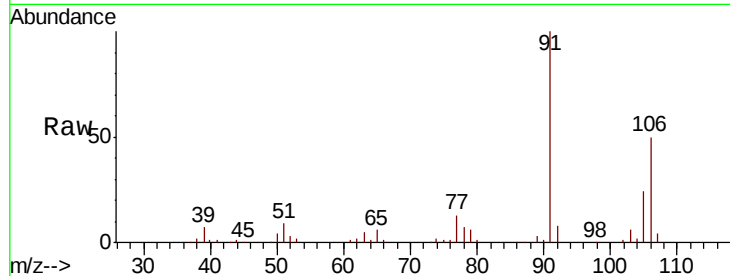




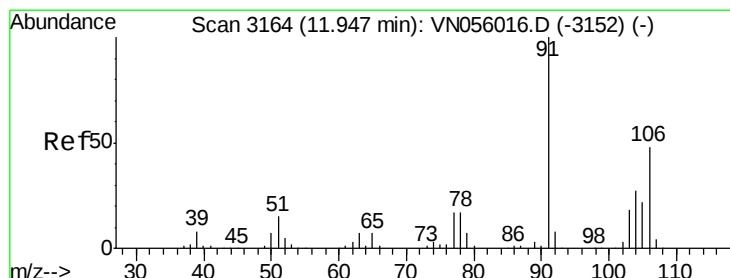
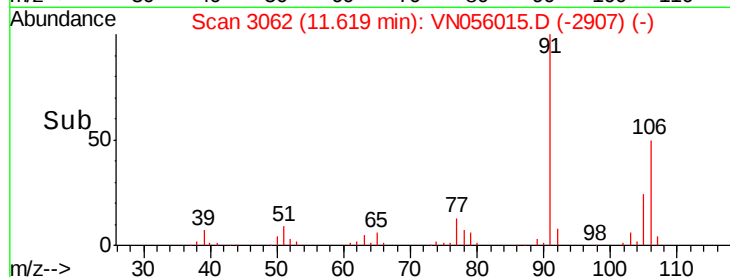
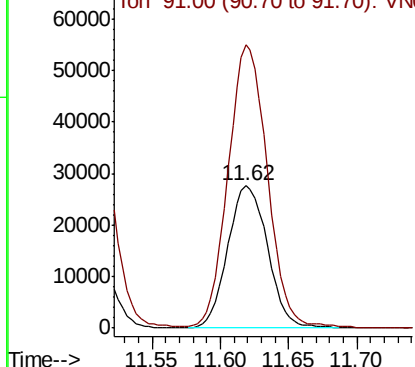
#67  
m/p-Xylenes  
Concen: 10.035 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion:106 Resp: 56275  
Ion Ratio Lower Upper  
106 100  
91 196.0 155.7 233.5

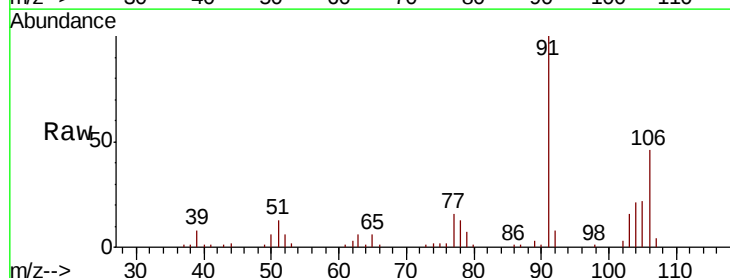


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

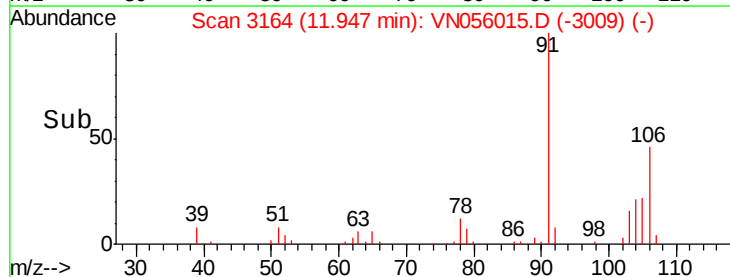
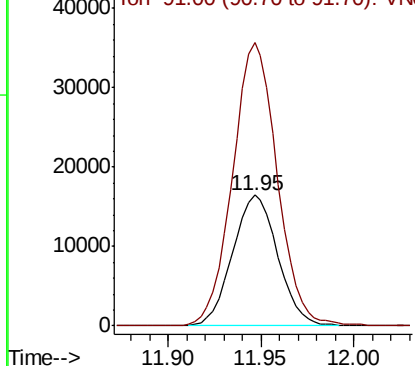


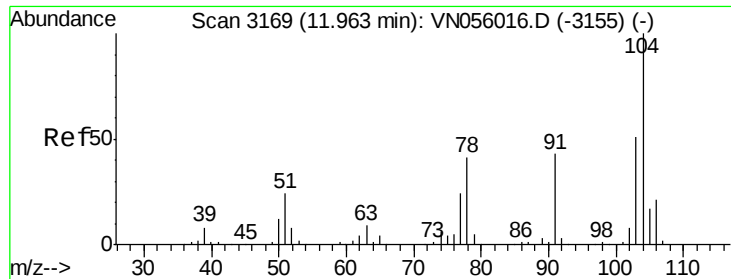
#68  
o-Xylene  
Concen: 5.029 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion:106 Resp: 27837  
Ion Ratio Lower Upper  
106 100  
91 213.9 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

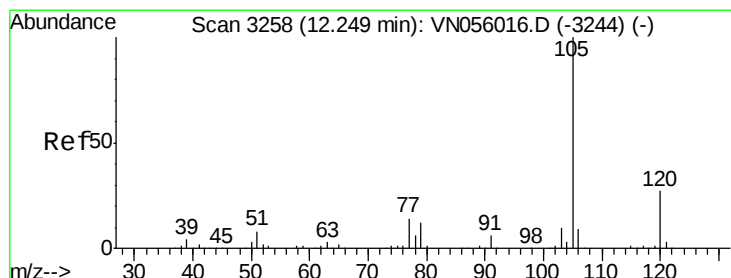
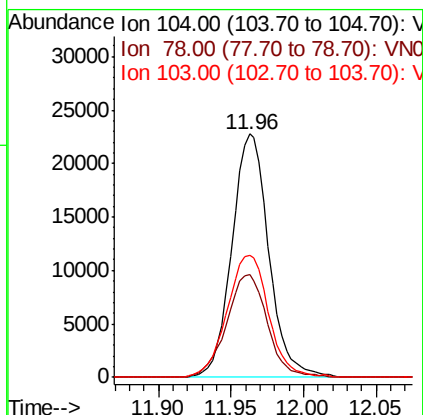
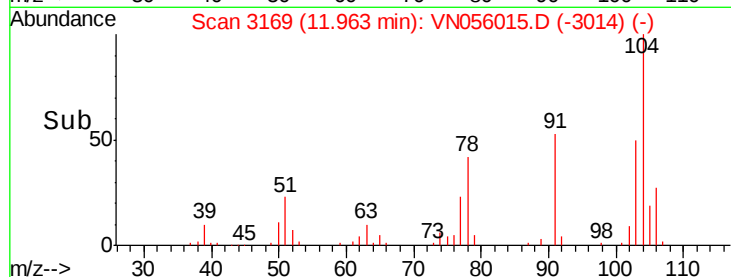
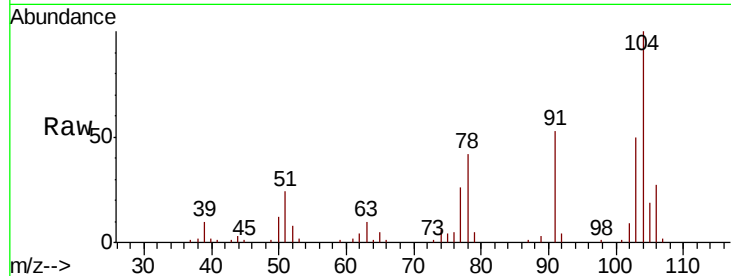




#69  
Stvrene  
Concen: 4.428 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

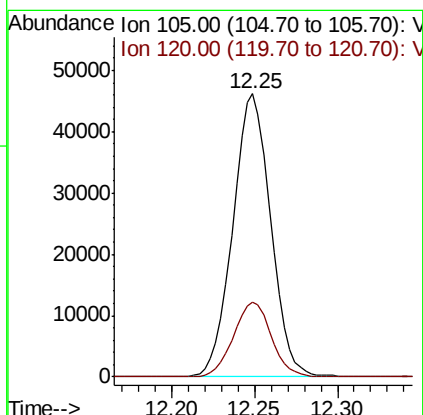
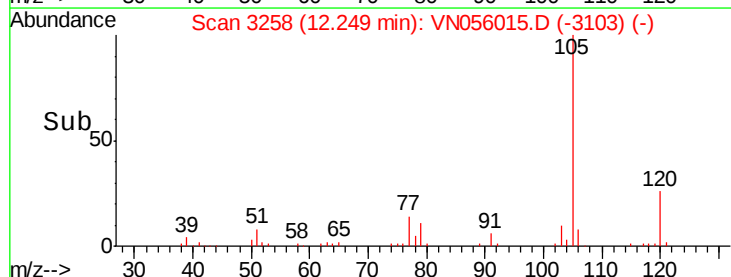
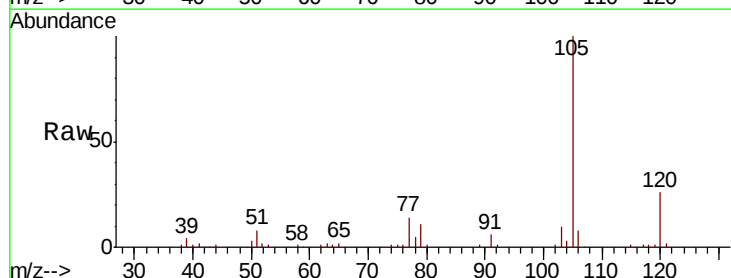
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

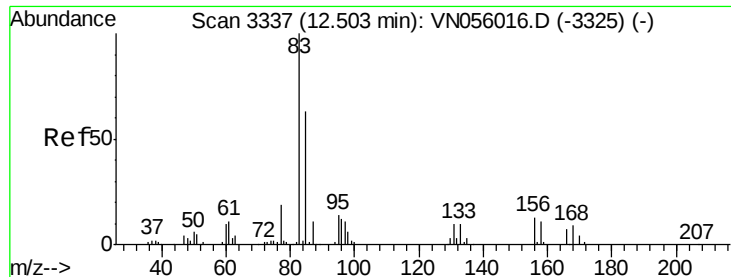
Tot Ion:104 Resp: 40309  
Ion Ratio Lower Upper  
104 100  
78 46.4 37.0 55.6  
103 56.2 44.4 66.6



#70  
Isopropylbenzene  
Concen: 5.061 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion:105 Resp: 73357  
Ion Ratio Lower Upper  
105 100  
120 26.3 19.3 35.8





#71

1,1,2,2-Tetrachloroethane

Concen: 4.873 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

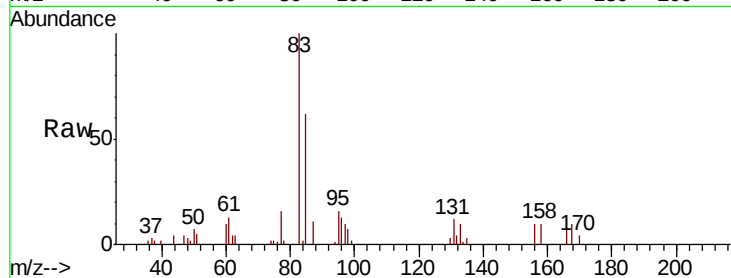
Tot Ion: 83 Resp: 21629

Ion Ratio Lower Upper

83 100

131 11.1 5.2 15.6

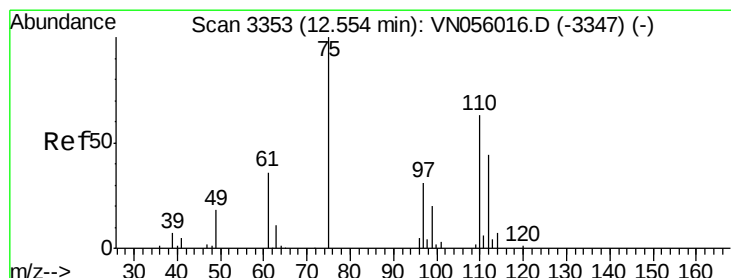
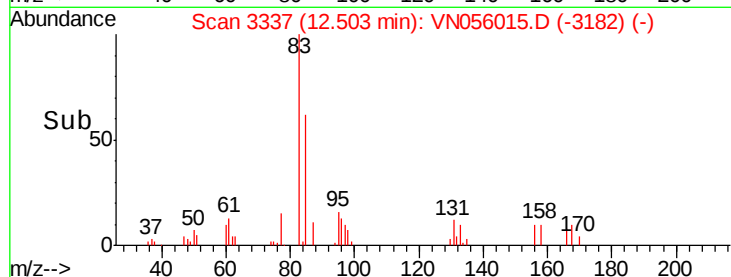
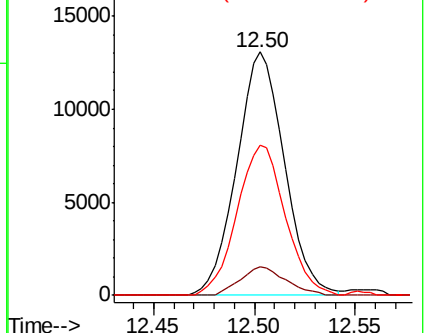
85 62.6 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 6.405 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN056015.D

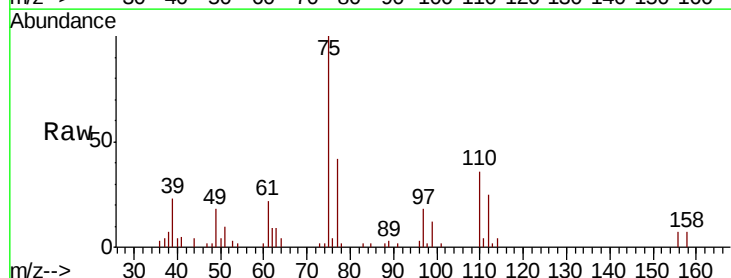
Acq: 5 Jun 2019 18:53

Tgt Ion: 75 Resp: 24336

Ion Ratio Lower Upper

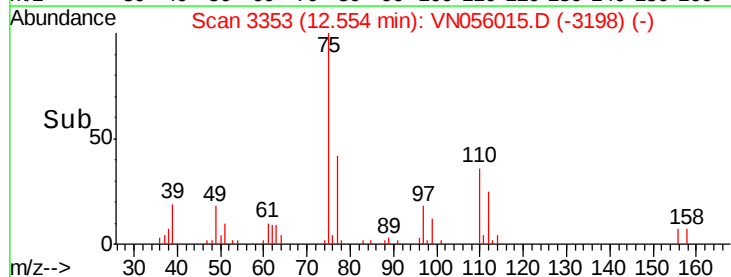
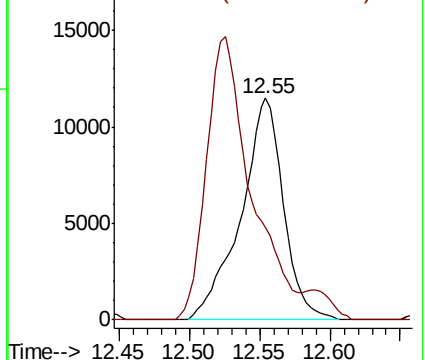
75 100

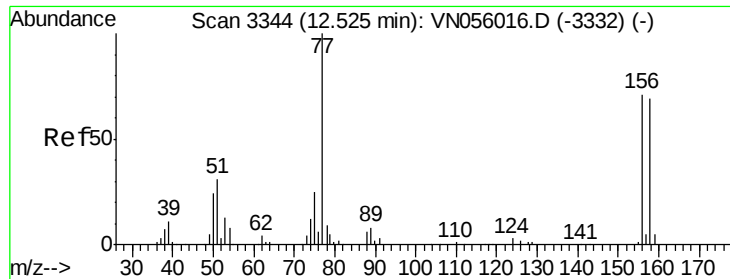
77 131.9 0.0 350.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 4.709 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

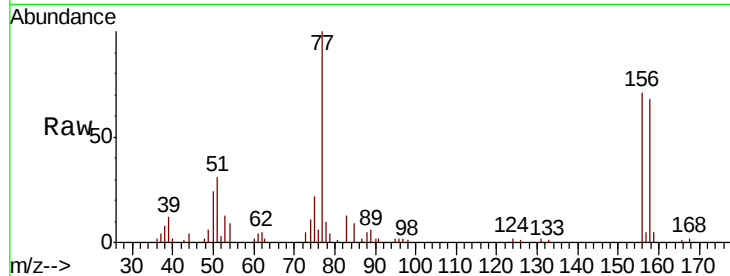
Tot Ion:156 Resp: 18052

Ion Ratio Lower Upper

156 100

77 177.9 0.0 350.8

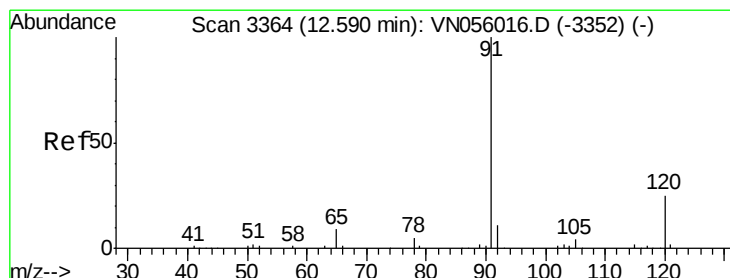
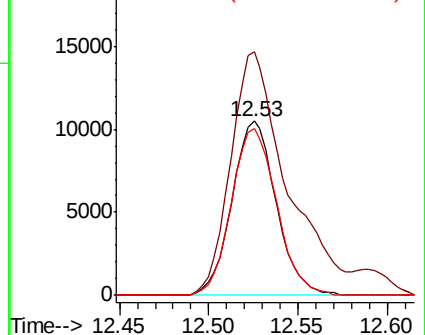
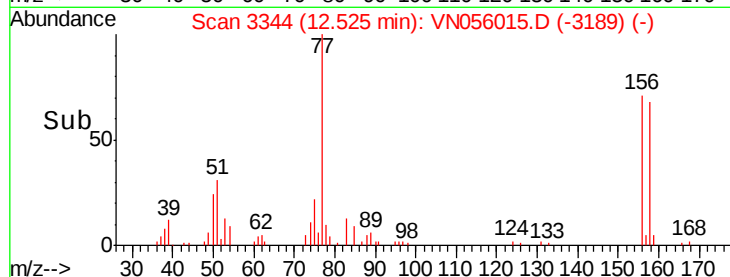
158 98.1 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.463 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056015.D

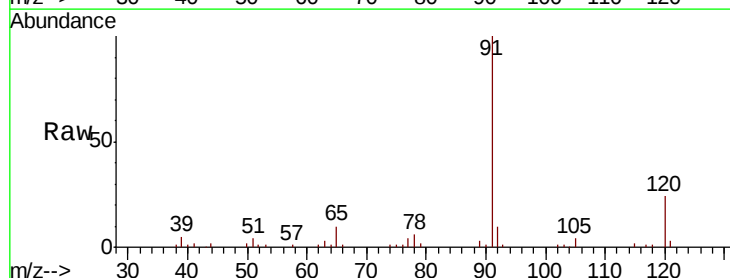
Acq: 5 Jun 2019 18:53

Tgt Ion: 91 Resp: 69250

Ion Ratio Lower Upper

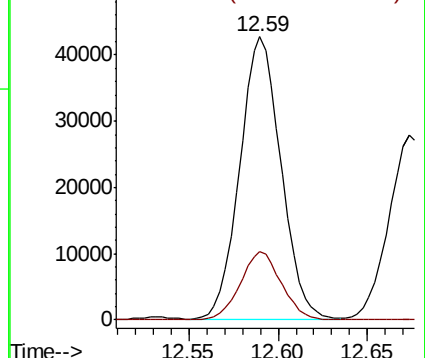
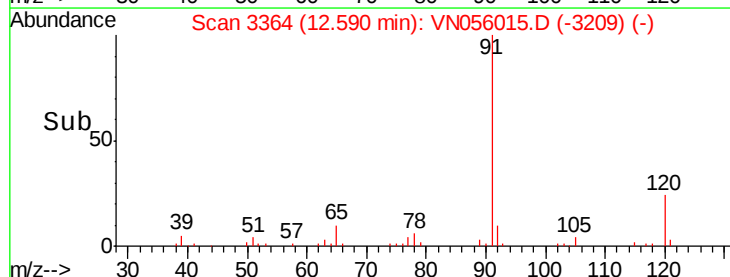
91 100

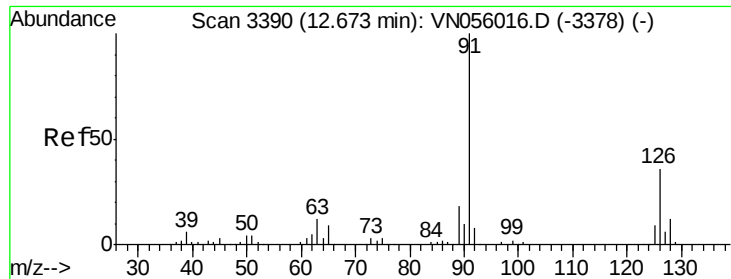
120 23.8 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.939 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

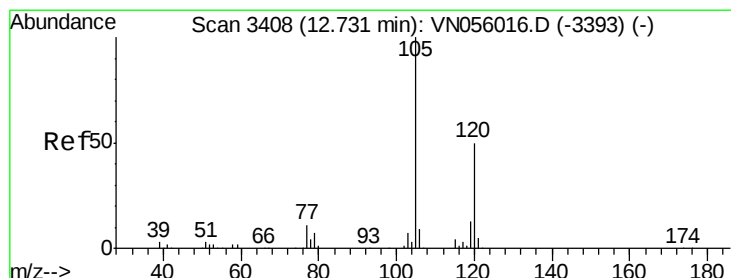
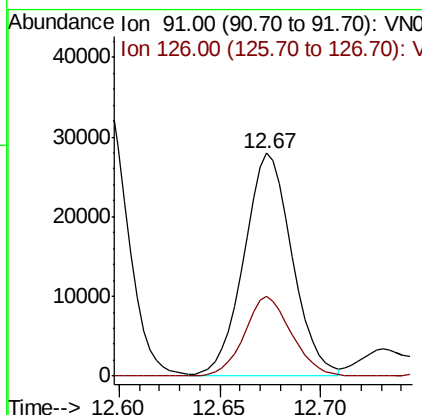
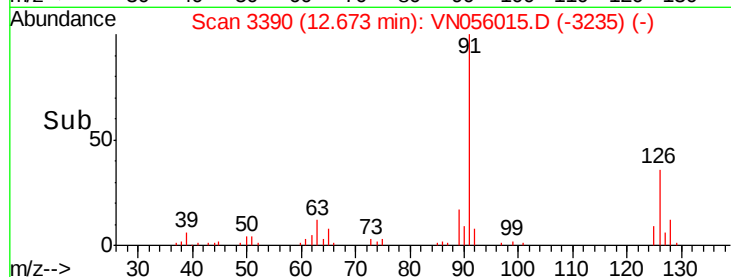
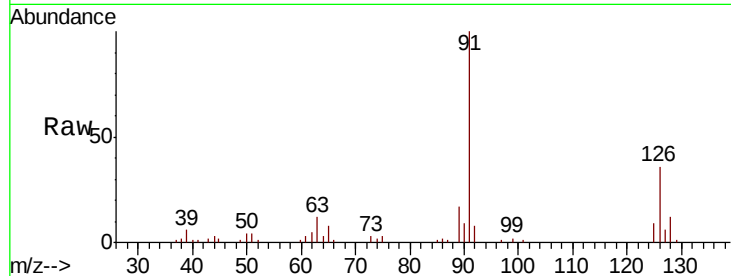
VSTDIC005

Tot Ion: 91 Resp: 46914

Ion Ratio Lower Upper

91 100

126 34.7 0.0 72.4



#76

1,3,5-Trimethylbenzene

Concen: 4.848 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056015.D

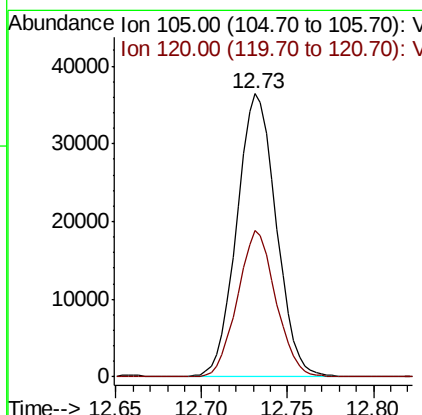
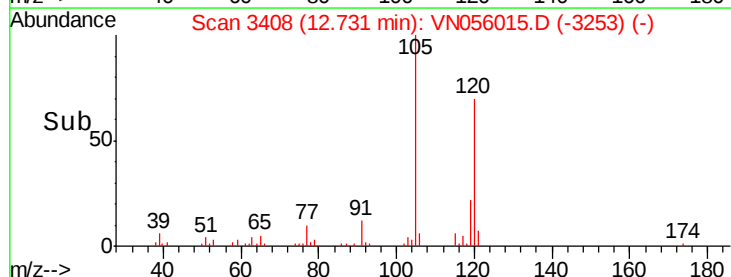
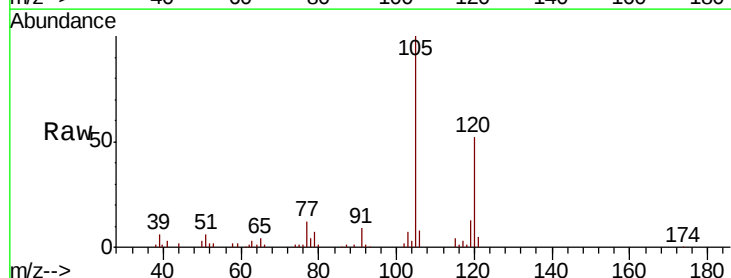
Acq: 5 Jun 2019 18:53

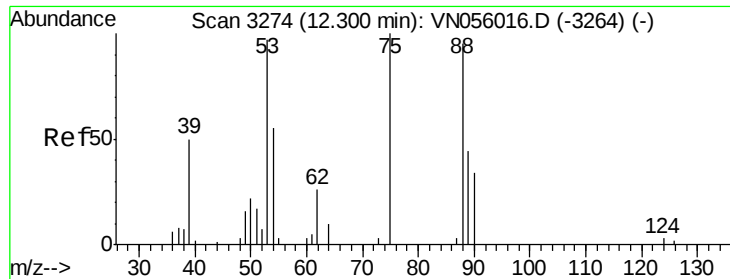
Tgt Ion: 105 Resp: 57901

Ion Ratio Lower Upper

105 100

120 50.1 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 2.650 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

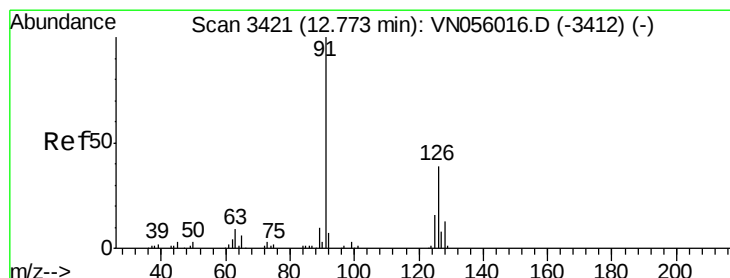
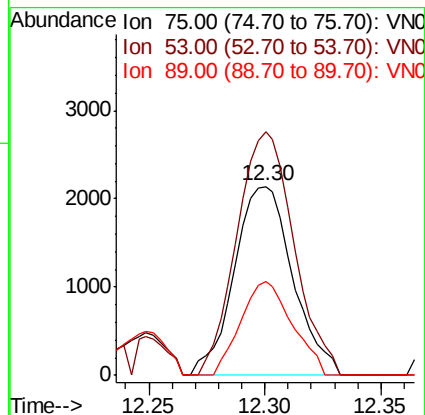
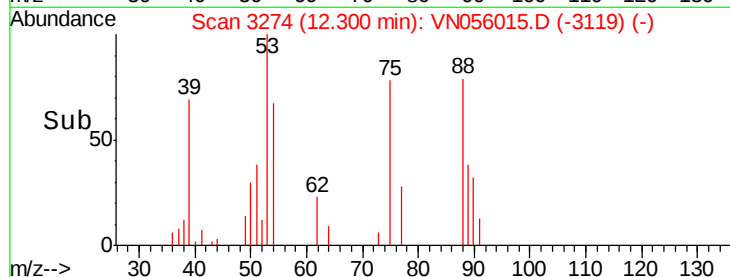
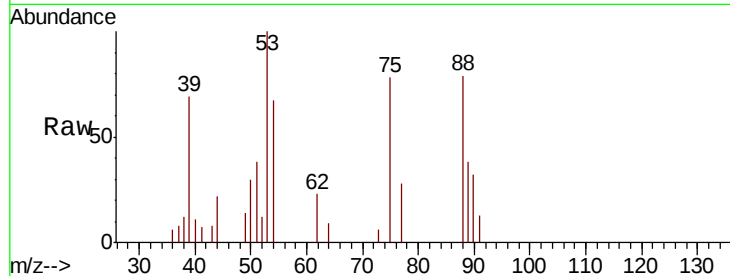
Tot Ion: 75 Resp: 3762

Ion Ratio Lower Upper

75 100

53 128.7 48.0 144.0

89 49.4 22.5 67.5



#78

4-Chlorotoluene

Concen: 4.253 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN056015.D

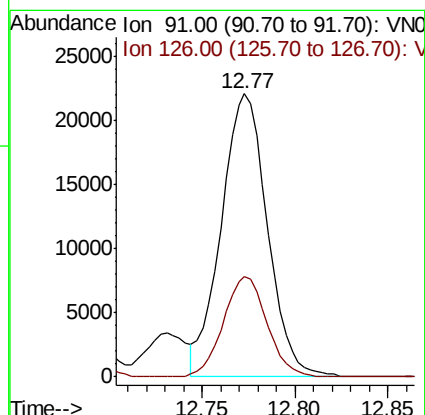
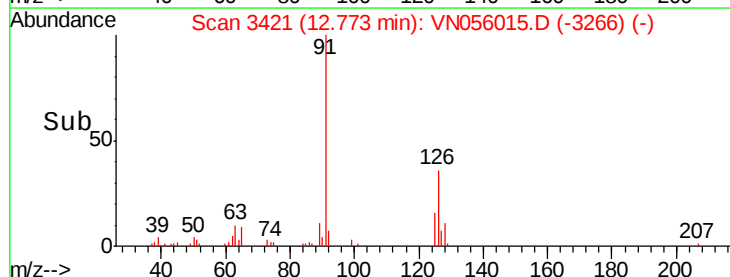
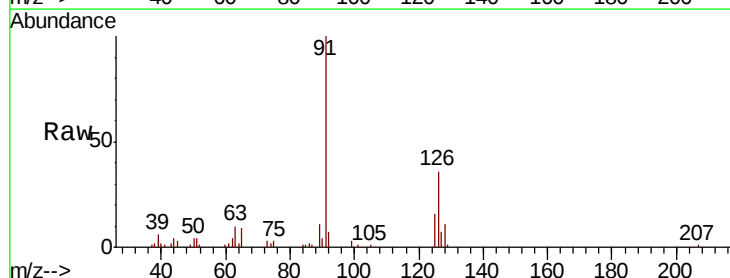
Acq: 5 Jun 2019 18:53

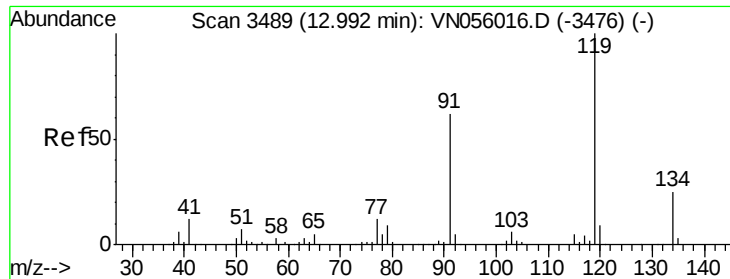
Tgt Ion: 91 Resp: 38131

Ion Ratio Lower Upper

91 100

126 33.5 0.0 71.8

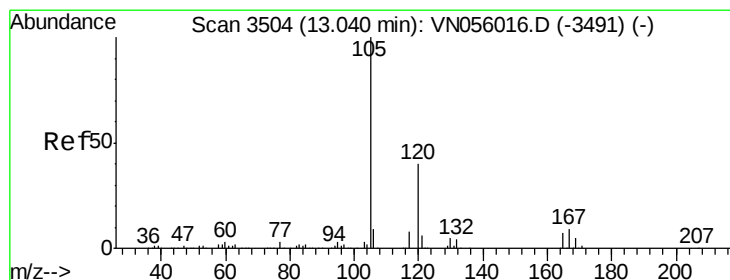
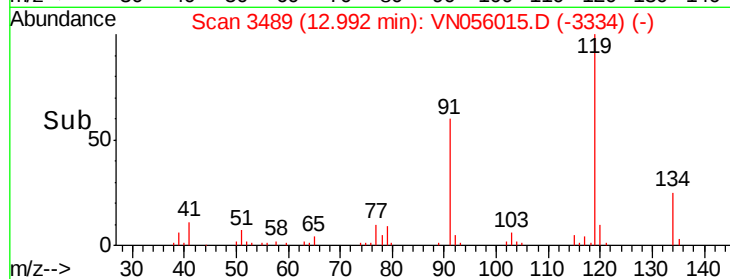
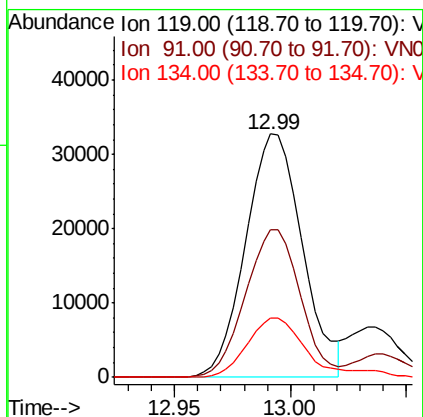
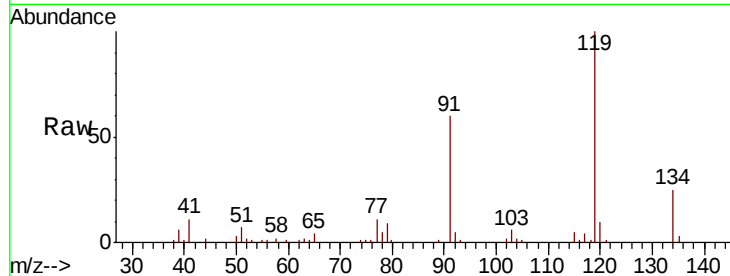




#79  
tert-butylbenzene  
Concen: 5.314 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

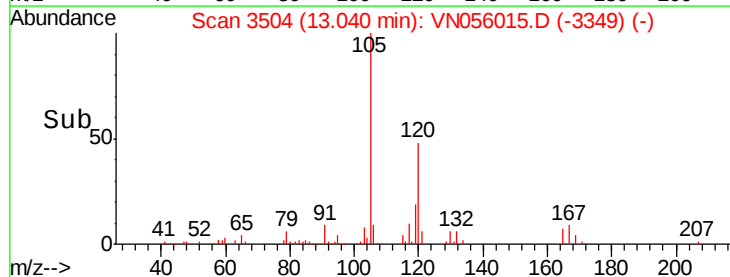
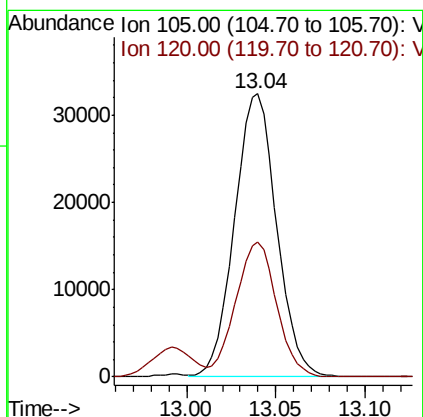
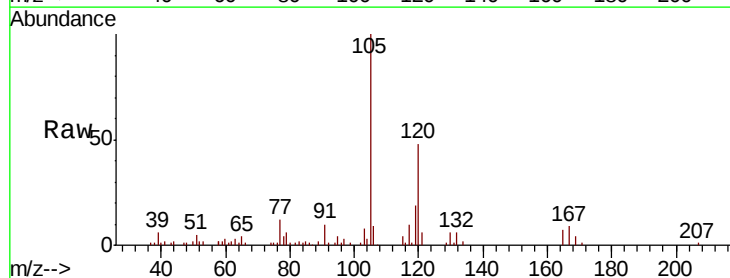
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

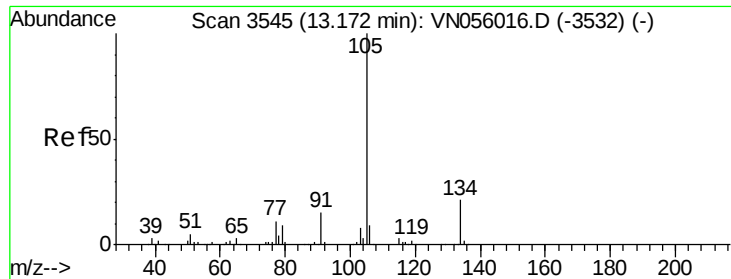
Tot Ion:119 Resp: 55706  
Ion Ratio Lower Upper  
119 100  
91 58.5 0.0 122.8  
134 24.8 0.0 50.2



#80  
1,2,4-Trimethylbenzene  
Concen: 4.538 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion:105 Resp: 53576  
Ion Ratio Lower Upper  
105 100  
120 46.3 0.0 93.4

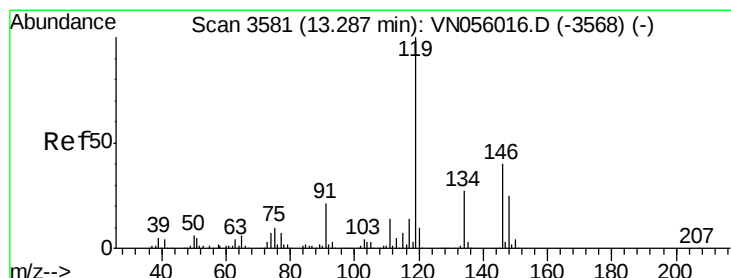
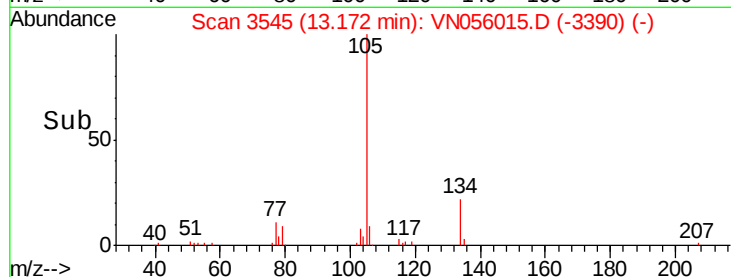
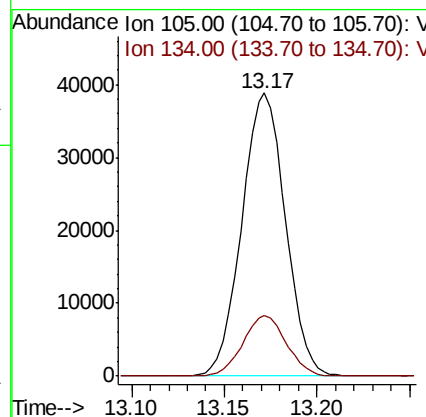
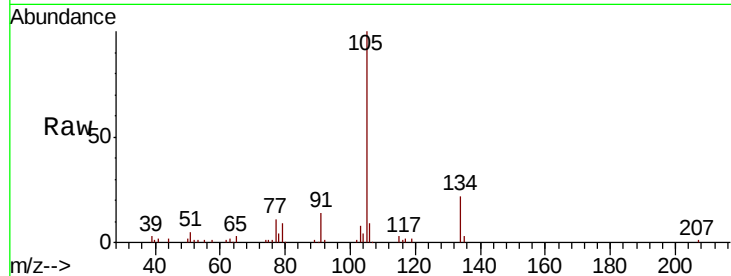




#81  
 sec-Butylbenzene  
 Concen: 4.752 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

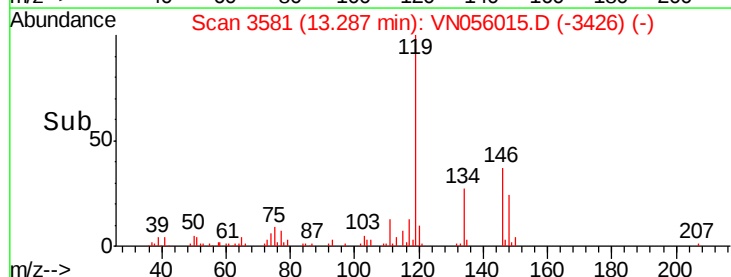
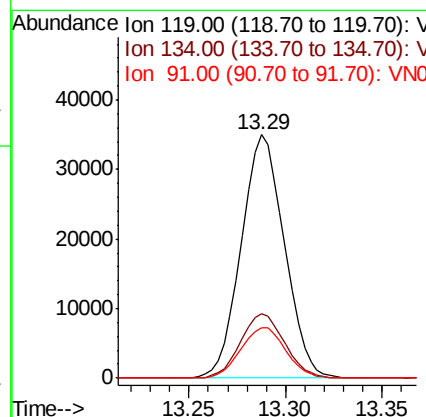
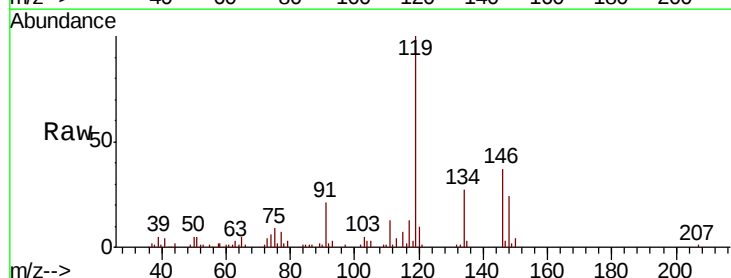
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

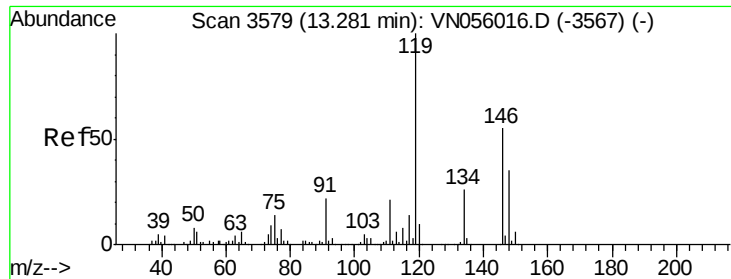
Tot Ion:105 Resp: 63351  
 Ion Ratio Lower Upper  
 105 100  
 134 21.2 0.0 41.8



#82  
 p-Isopropyltoluene  
 Concen: 4.448 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion:119 Resp: 54328  
 Ion Ratio Lower Upper  
 119 100  
 134 27.1 0.0 53.4  
 91 21.6 0.0 43.0

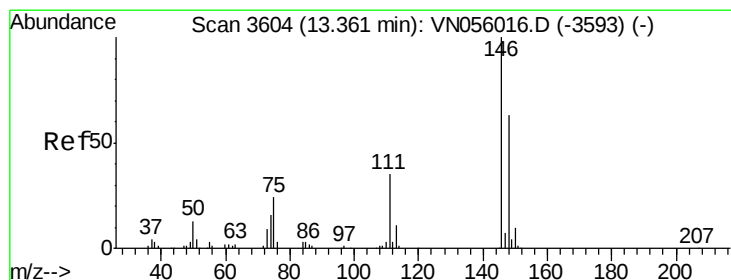
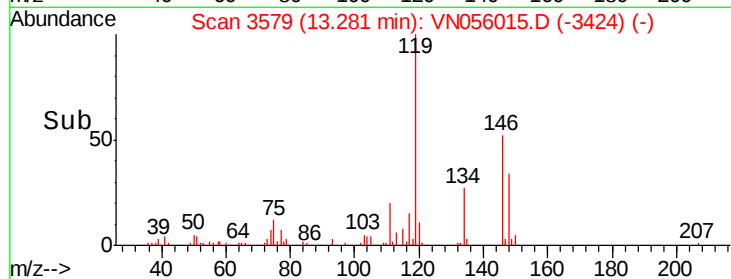
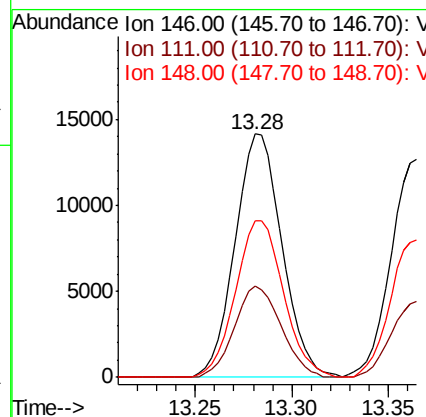
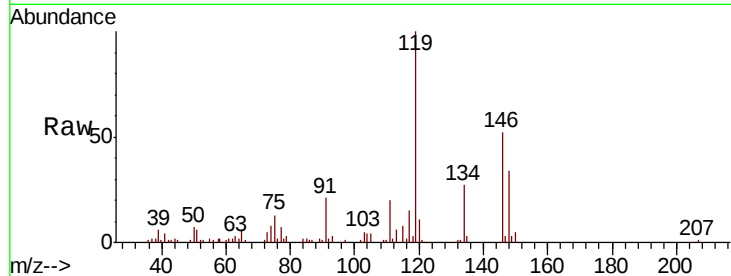




#83  
 1,3-Dichlorobenzene  
 Concen: 3.991 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

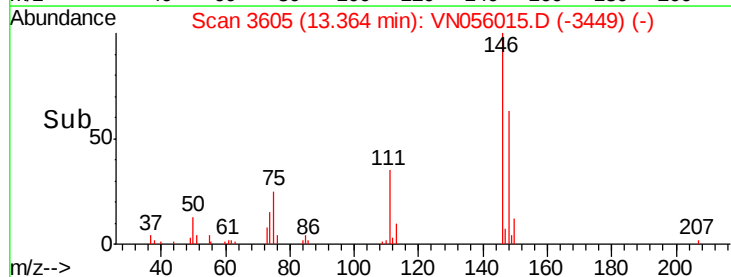
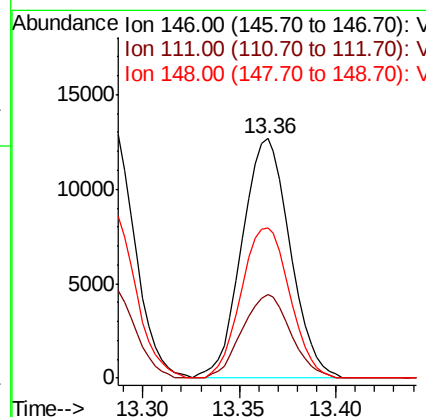
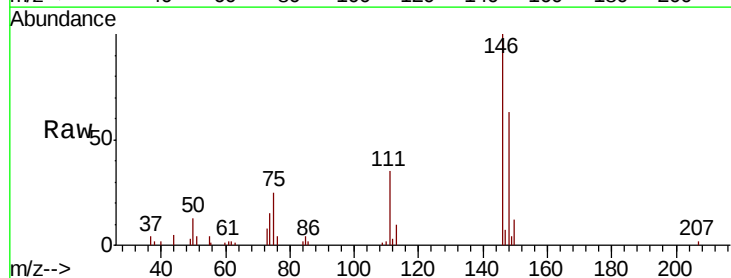
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

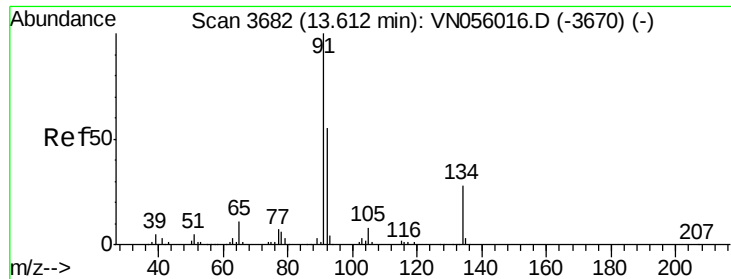
Tot Ion:146 Resp: 23841  
 Ion Ratio Lower Upper  
 146 100  
 111 37.2 18.2 54.6  
 148 66.0 31.9 95.9



#84  
 1,4-Dichlorobenzene  
 Concen: 3.872 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion:146 Resp: 21951  
 Ion Ratio Lower Upper  
 146 100  
 111 35.1 17.6 52.9  
 148 63.4 32.1 96.3

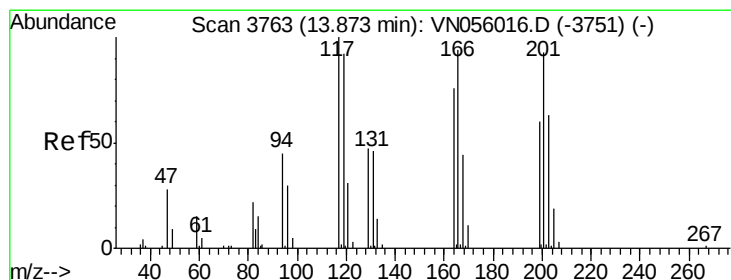
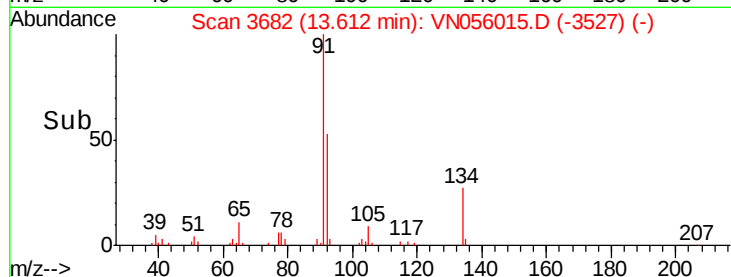
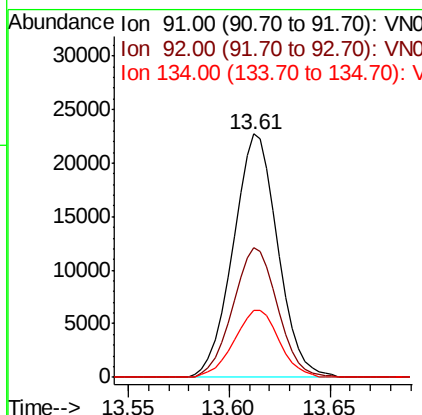
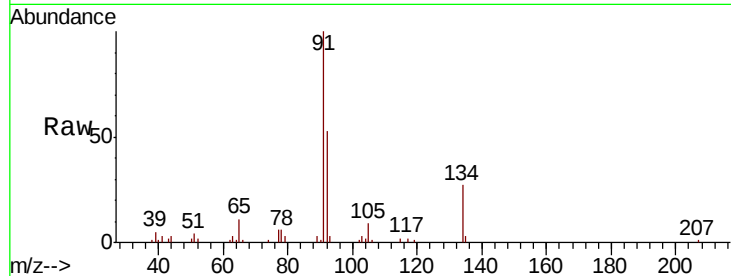




#85  
n-Butylbenzene  
Concen: 3.751 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

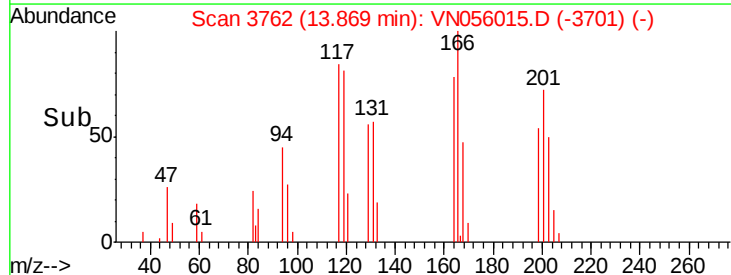
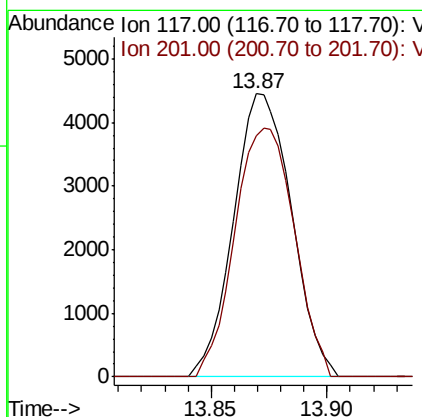
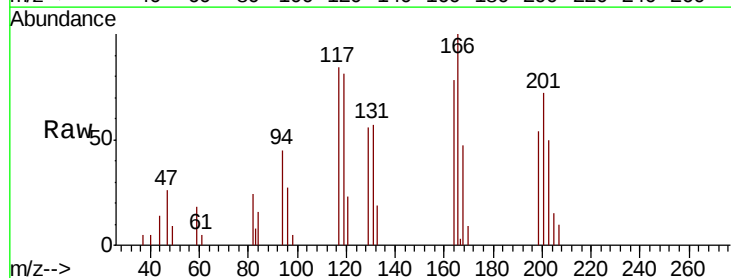
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

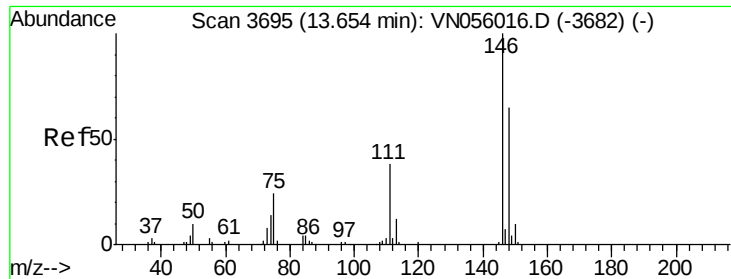
Tot Ion: 91 Resp: 35201  
Ion Ratio Lower Upper  
91 100  
92 53.3 0.0 107.2  
134 27.7 0.0 55.8



#86  
Hexachloroethane  
Concen: 3.383 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN056015.D  
Acq: 5 Jun 2019 18:53

Tgt Ion: 117 Resp: 7741  
Ion Ratio Lower Upper  
117 100  
201 89.9 48.1 144.4

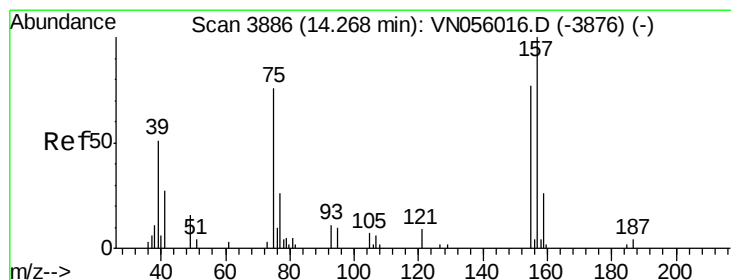
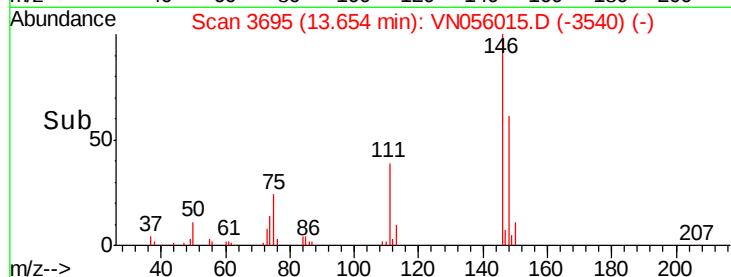
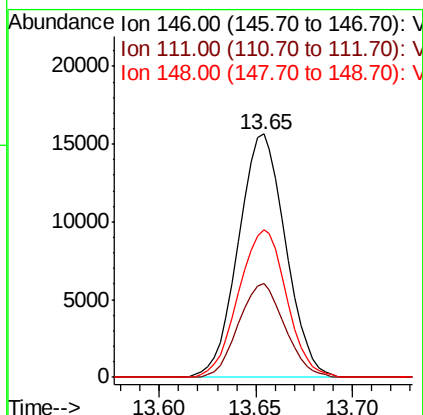
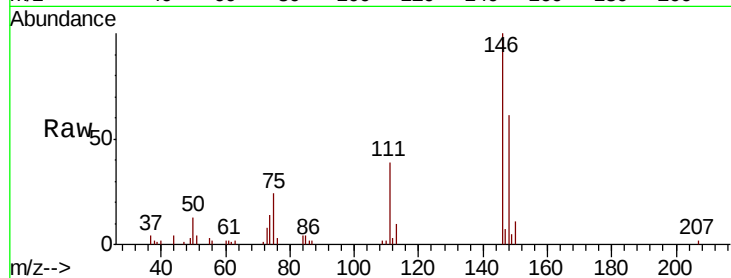




#87  
 1,2-Dichlorobenzene  
 Concen: 4.419 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

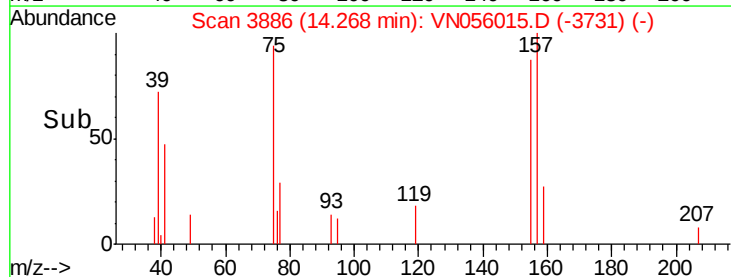
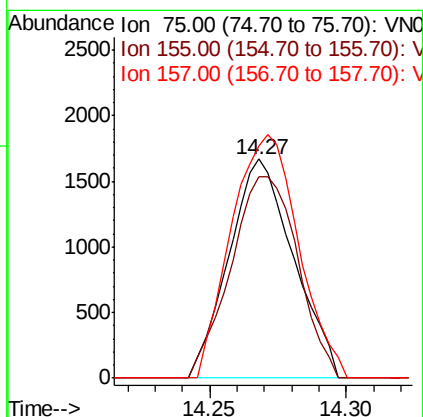
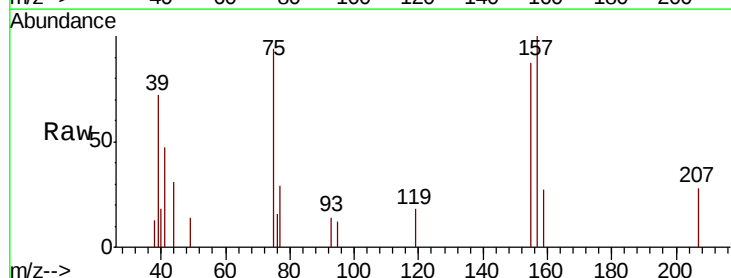
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

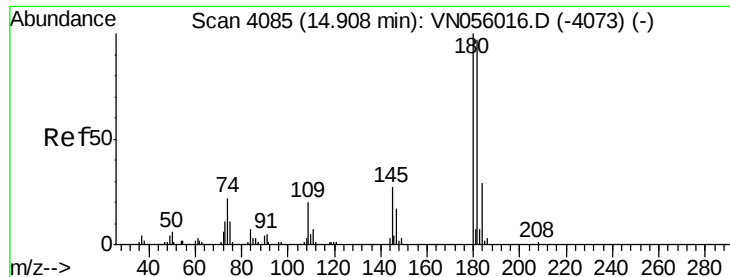
Tot Ion:146 Resp: 26586  
 Ion Ratio Lower Upper  
 146 100  
 111 37.5 19.3 57.9  
 148 61.5 32.6 97.8



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 3.435 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion: 75 Resp: 2747  
 Ion Ratio Lower Upper  
 75 100  
 155 95.3 82.5 123.7  
 157 115.9 105.1 157.7

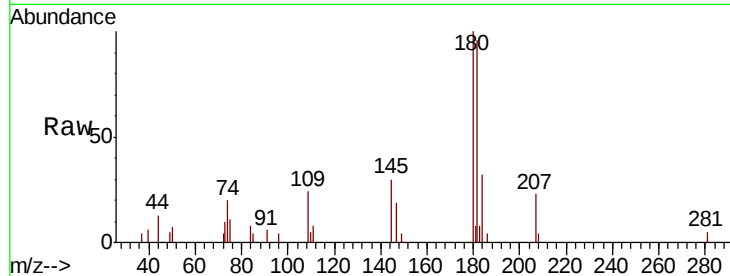




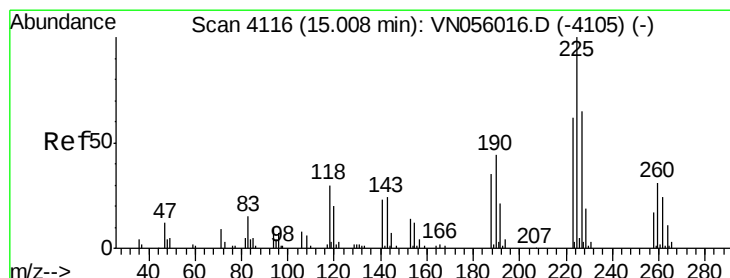
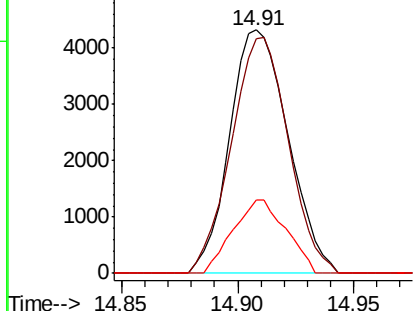
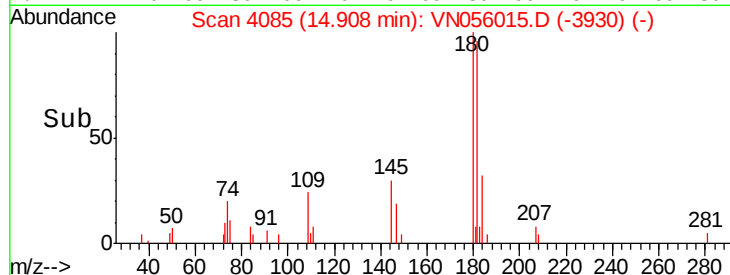
#89  
 1,2,4-Trichlorobenzene  
 Concen: 2.379 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion:180 Resp: 7570  
 Ion Ratio Lower Upper  
 180 100  
 182 94.3 75.0 112.6  
 145 27.3 22.1 33.1

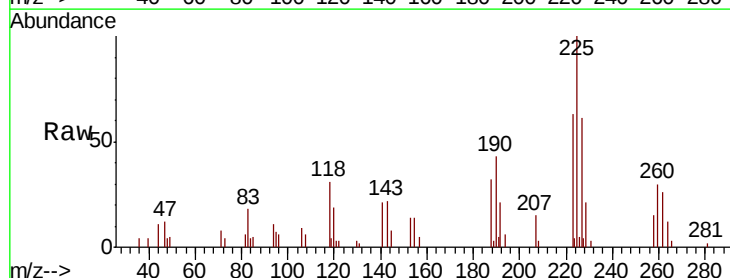


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

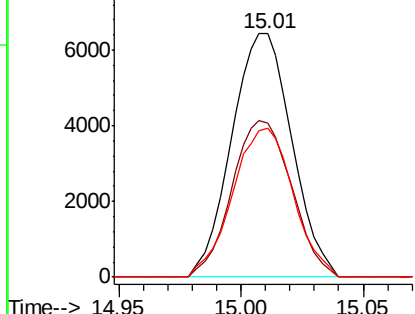
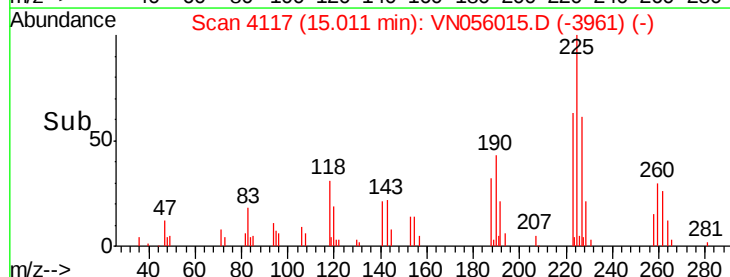


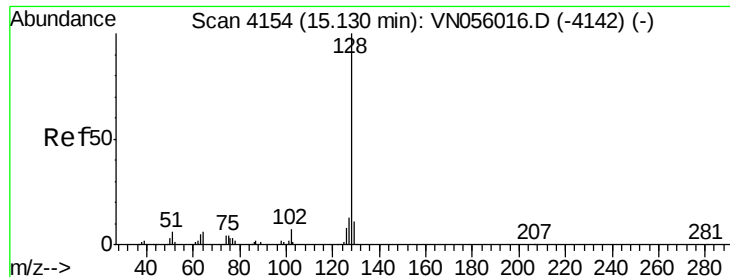
#90  
 Hexachlorobutadiene  
 Concen: 4.622 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN056015.D  
 Acq: 5 Jun 2019 18:53

Tgt Ion:225 Resp: 11005  
 Ion Ratio Lower Upper  
 225 100  
 223 63.8 0.0 125.6  
 227 61.4 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V  
 Ion 223.00 (222.70 to 223.70): V  
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 2.603 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

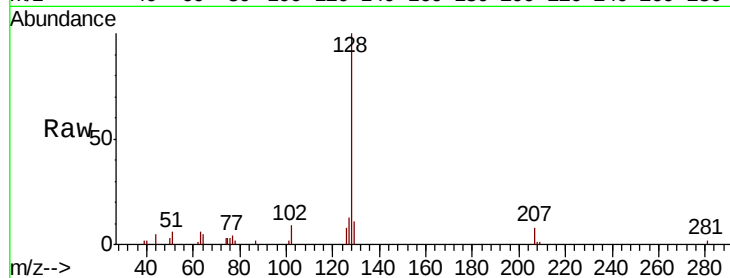
Tot Ion:128 Resp: 22563

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

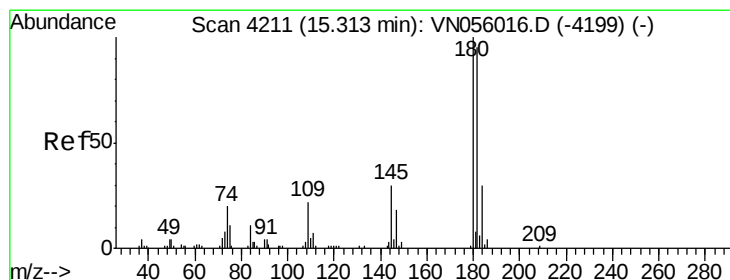
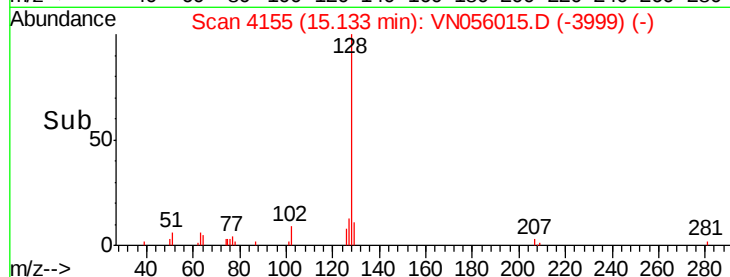
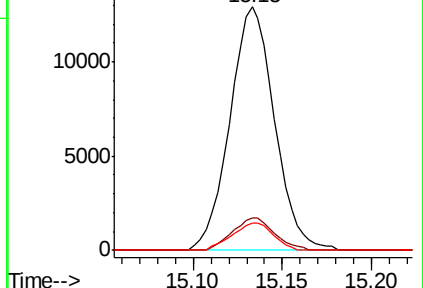
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 2.906 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

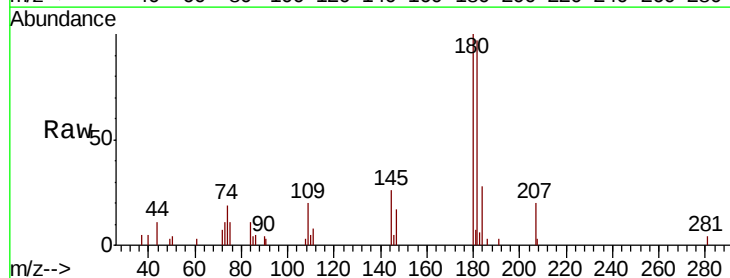
Tgt Ion:180 Resp: 9686

Ion Ratio Lower Upper

180 100

182 98.8 0.0 193.4

145 27.3 0.0 59.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

