

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\  
 Data File : VN064306.D  
 Acq On : 26 Oct 2020 16:42  
 Operator : JC/MD  
 Sample : VSTDIC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

Quant Time: Oct 26 17:08:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Oct 26 16:34:22 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.15  | 128  | 50794    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.55  | 114  | 277880   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.38 | 117  | 259393   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 7.99   | 65    | 135400   | 30.34    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 91 - 110 | Recovery | =    | 101.13% |
| 60) 4-Bromofluorobenzene  | 12.38  | 95    | 140023   | 30.34    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 63 - 112 | Recovery | =    | 101.13% |
| 63) Toluene-d8            | 10.06  | 98    | 352169   | 30.43    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 91 - 112 | Recovery | =    | 101.43% |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 211981 | 63.125  | ug/l 94    |
| 3) Chloromethane              | 2.04 | 50  | 191046 | 55.312  | ug/l 98    |
| 4) Vinyl Chloride             | 2.16 | 62  | 190831 | 54.841  | ug/l 98    |
| 5) Bromomethane               | 2.53 | 94  | 116082 | 51.405  | ug/l 95    |
| 6) Chloroethane               | 2.67 | 64  | 105914 | 52.447  | ug/l 98    |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 297913 | 51.218  | ug/l 94    |
| 8) Diethyl Ether              | 3.37 | 74  | 93797  | 49.143  | ug/l 97    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 148075 | 51.655  | ug/l 99    |
| 10) 1,1-Dichloroethene        | 3.69 | 96  | 139806 | 50.607  | ug/l 97    |
| 11) Methyl Iodide             | 3.91 | 142 | 204791 | 51.425  | ug/l 98    |
| 12) Methyl Acetate            | 4.28 | 43  | 165661 | 50.588  | ug/l 96    |
| 13) Acrolein                  | 3.56 | 56  | 53143  | 205.040 | ug/l 90    |
| 14) Acrylonitrile             | 4.93 | 53  | 375452 | 288.731 | ug/l 99    |
| 15) Acetone                   | 3.78 | 58  | 98235  | 247.017 | ug/l 92    |
| 16) Carbon Disulfide          | 4.01 | 76  | 411745 | 51.286  | ug/l 99    |
| 17) Allyl chloride            | 4.27 | 41  | 281993 | 53.170  | ug/l 99    |
| 18) Methylene Chloride        | 4.50 | 84  | 160619 | 49.356  | ug/l 98    |
| 19) trans-1,2-Dichloroethene  | 4.98 | 96  | 151690 | 48.989  | ug/l 99    |
| 20) Diisopropyl ether         | 5.90 | 45  | 550146 | 53.823  | ug/l 93    |
| 21) 1,1-Dichloroethane        | 5.80 | 63  | 305838 | 50.809  | ug/l 99    |
| 22) cis-1,2-Dichloroethene    | 6.78 | 96  | 176075 | 49.008  | ug/l # 76  |
| 23) tert-Butyl Alcohol        | 4.73 | 59  | 167492 | 280.897 | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 4.99 | 73  | 537289 | 54.607  | ug/l 98    |
| 25) Chloroform                | 7.33 | 83  | 318550 | 49.003  | ug/l 95    |
| 26) Cyclohexane               | 7.61 | 56  | 252413 | 53.789  | ug/l # 98  |
| 29) 1,1-Dichloropropene       | 7.75 | 75  | 240128 | 51.097  | ug/l 98    |
| 30) 2-Butanone                | 6.78 | 43  | 569011 | 270.922 | ug/l # 98  |
| 31) 2,2-Dichloropropane       | 6.77 | 77  | 290352 | 49.711  | ug/l # 90  |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 306754 | 51.049  | ug/l 98    |
| 33) Carbon Tetrachloride      | 7.73 | 117 | 283173 | 52.521  | ug/l 96    |
| 34) Benzene                   | 8.00 | 78  | 648935 | 50.455  | ug/l # 90  |
| 35) Methacrylonitrile         | 7.16 | 41  | 354539 | 167.785 | ug/l # 57  |
| 36) 1,2-Dichloroethane        | 7.70 | 62  | 3067   | 0.551   | ug/l 99    |
| 37) Trichloroethene           | 8.80 | 130 | 176020 | 50.149  | ug/l 99    |
| 38) Methylcyclohexane         | 9.05 | 83  | 235752 | 54.583  | ug/l 99    |
| 39) 1,2-Dichloropropane       | 9.08 | 63  | 175758 | 50.716  | ug/l 99    |
| 40) Dibromomethane            | 9.17 | 93  | 123671 | 51.574  | ug/l 97    |

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 Sample : VSTDIC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

Quant Time: Oct 26 17:08:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Oct 26 16:34:22 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 41) Bromodichloromethane       | 9.37  | 83   | 264922   | 51.026   | ug/l   | 97       |
| 42) Vinyl Acetate              | 5.84  | 43   | 2441400  | 264.274  | ug/l   | 100      |
| 43) Ethyl Acetate              | 6.88  | 43   | 238930   | 53.724   | ug/l # | 78       |
| 44) Isopropyl Acetate          | 8.13  | 43   | 423648   | 53.307   | ug/l   | 96       |
| 45) 1,4-Dioxane                | 9.17  | 88   | 64333    | 1255.664 | ug/l   | 99       |
| 46) Methyl methacrylate        | 9.16  | 41   | 213030   | 55.144   | ug/l   | 98       |
| 47) n-amyl Acetate             | 12.04 | 43   | 367697   | 53.422   | ug/l   | 100      |
| 48) t-1,3-Dichloropropene      | 10.35 | 75   | 297530   | 50.995   | ug/l   | 96       |
| 49) cis-1,3-Dichloropropene    | 9.81  | 75   | 304825   | 50.519   | ug/l   | 97       |
| 50) 1,1,2-Trichloroethane      | 10.53 | 97   | 162905   | 50.823   | ug/l   | 93       |
| 51) Ethyl methacrylate         | 10.40 | 69   | 259087   | 52.513   | ug/l   | 98       |
| 52) 1,3-Dichloropropane        | 10.68 | 76   | 286812   | 50.926   | ug/l   | 99       |
| 53) Dibromochloromethane       | 10.87 | 129  | 202474   | 50.973   | ug/l   | 98       |
| 54) 1,2-Dibromoethane          | 10.97 | 107  | 173738   | 50.692   | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether  | 9.66  | 63   | 663653   | 258.379  | ug/l   | 99       |
| 56) Bromoform                  | 12.10 | 173  | 143756   | 50.664   | ug/l # | 96       |
| 58) 4-Methyl-2-Pentanone       | 9.95  | 43   | 1215277  | 271.818  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.72 | 43   | 909495   | 270.254  | ug/l   | 100      |
| 61) Tetrachloroethene          | 10.60 | 164  | 173698   | 49.410   | ug/l   | 97       |
| 62) Toluene                    | 10.13 | 91   | 716293   | 49.380   | ug/l   | 100      |
| 64) Chlorobenzene              | 11.41 | 112  | 446751   | 49.887   | ug/l   | 95       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 180687   | 50.263   | ug/l   | 97       |
| 66) Ethyl Benzene              | 11.48 | 91   | 819529   | 49.077   | ug/l   | 95       |
| 67) m/p-Xylenes                | 11.60 | 106  | 609823   | 99.258   | ug/l   | 95       |
| 68) o-Xylene                   | 11.92 | 106  | 295272   | 49.453   | ug/l   | 98       |
| 69) Styrene                    | 11.94 | 104  | 498026   | 49.935   | ug/l   | 97       |
| 70) Isopropylbenzene           | 12.22 | 105  | 779498   | 49.182   | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 222598   | 51.263   | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane     | 12.53 | 75   | 339609   | 74.357   | ug/l   | 68       |
| 73) Bromobenzene               | 12.50 | 156  | 192814   | 49.933   | ug/l   | 99       |
| 74) n-propylbenzene            | 12.57 | 91   | 893831   | 49.388   | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.65 | 91   | 549990   | 48.753   | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 660035   | 49.171   | ug/l   | 97       |
| 77) t-1,4-Dichloro-2-butene    | 12.27 | 75   | 86935    | 49.747   | ug/l   | 95       |
| 78) 4-Chlorotoluene            | 12.75 | 91   | 579809   | 49.564   | ug/l   | 99       |
| 79) tert-butylbenzene          | 12.97 | 119  | 541819   | 49.590   | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 666198   | 48.858   | ug/l   | 99       |
| 81) sec-Butylbenzene           | 13.14 | 105  | 691932   | 48.840   | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.26 | 119  | 645698   | 49.661   | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene        | 13.25 | 146  | 330010   | 48.772   | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 13.34 | 146  | 335790   | 48.880   | ug/l   | 98       |
| 85) n-Butylbenzene             | 13.59 | 91   | 546310   | 48.067   | ug/l   | 98       |
| 86) Hexachloroethane           | 13.85 | 117  | 120370   | 53.472   | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene        | 13.63 | 146  | 325244   | 49.066   | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 59305    | 55.853   | ug/l   | 99       |
| 89) 1,2,4-Trichlorobenzene     | 14.88 | 180  | 182048   | 48.611   | ug/l   | 98       |
| 90) Hexachlorobutadiene        | 14.98 | 225  | 97607    | 47.827   | ug/l   | 98       |
| 91) Naphthalene                | 15.10 | 128  | 567492   | 51.125   | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.28 | 180  | 174113   | 48.414   | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\  
Data File : VN064306.D  
Acq On : 26 Oct 2020 16:42  
Operator : JC/MD  
Sample : VSTDICC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050

Quant Time: Oct 26 17:08:57 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Oct 26 16:34:22 2020  
Response via : Initial Calibration

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

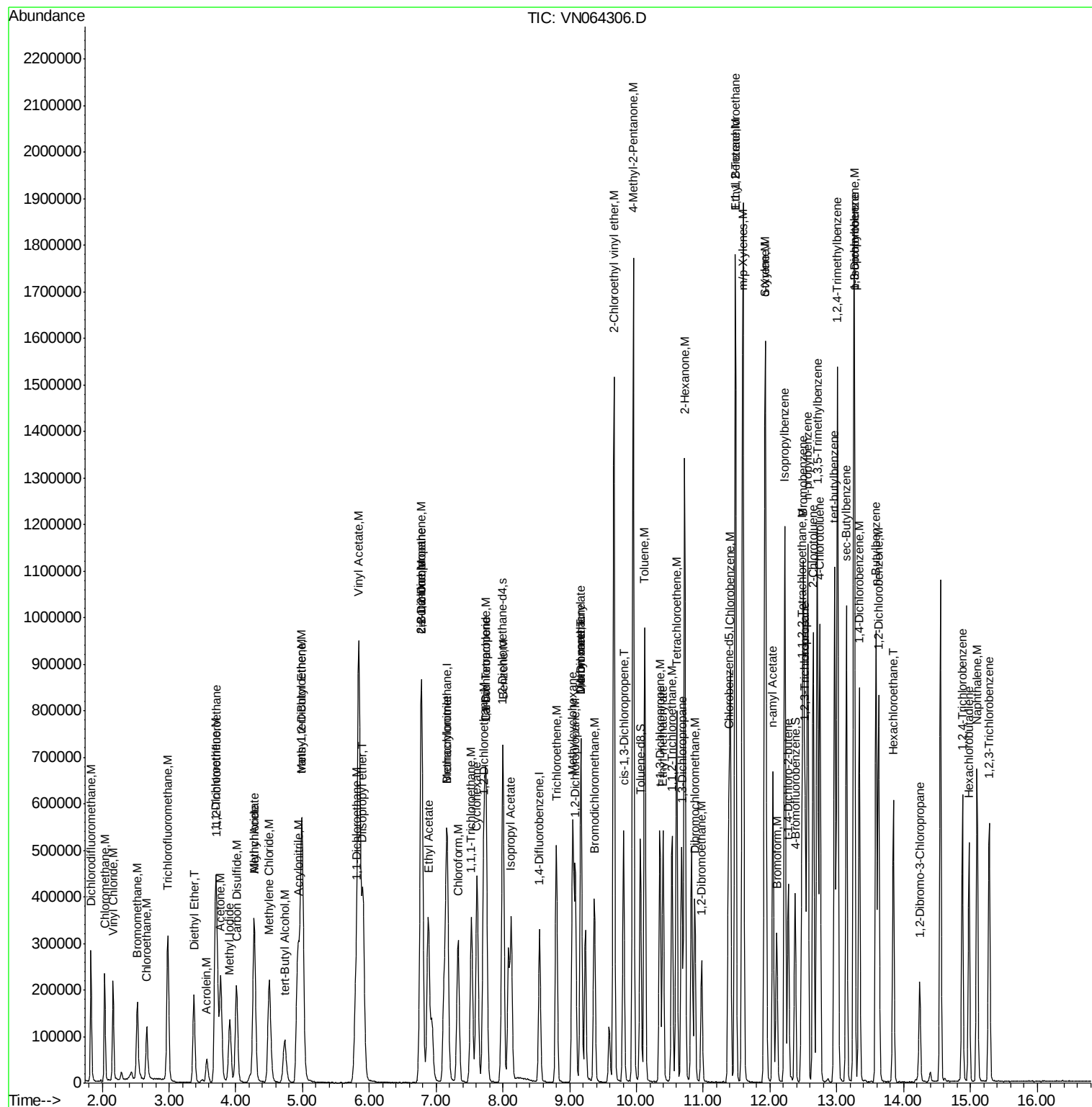
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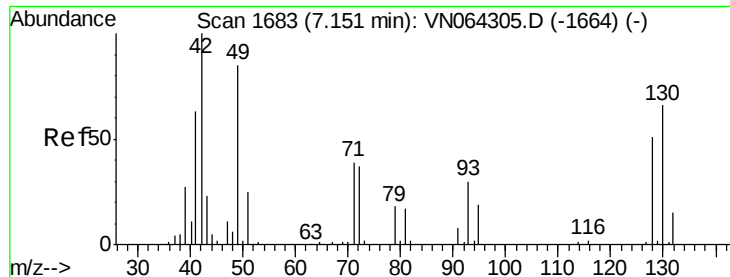
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102620\  
Data File : VN064306.D  
Acq On : 26 Oct 2020 16:42  
Operator : JC/MD  
Sample : VSTDIC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

Quant Time: Oct 26 17:08:57 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Oct 26 16:34:22 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

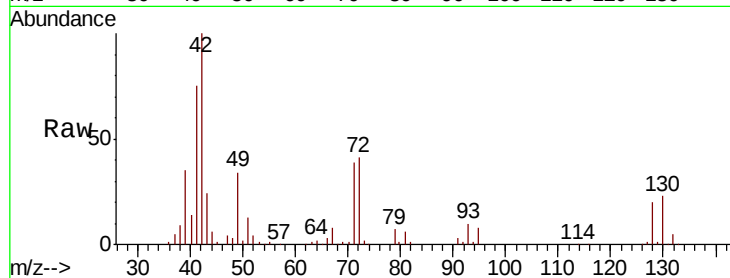
Tot Ion:128 Resp: 50794

Ion Ratio Lower Upper

128 100

49 181.5 0.0 439.5

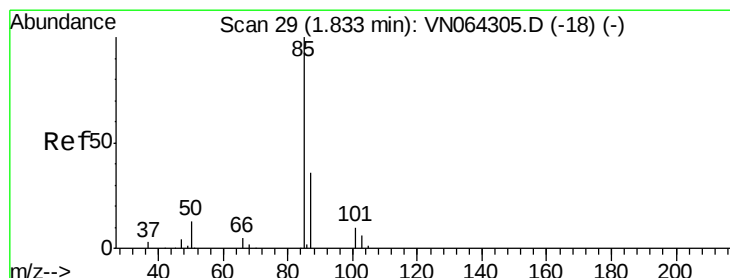
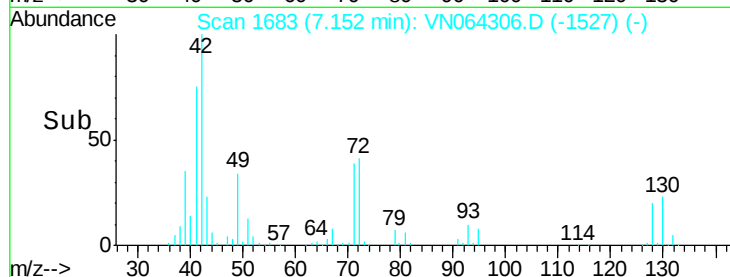
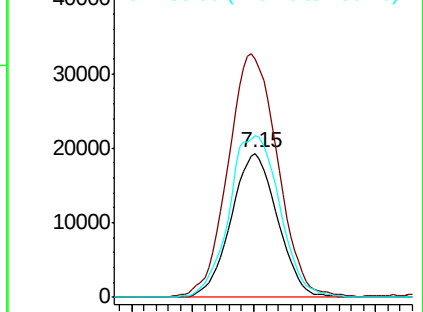
130 123.3 0.0 323.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 63.125 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064306.D

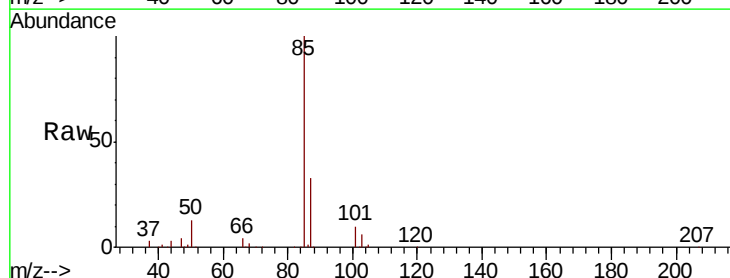
Acq: 26 Oct 2020 16:42

Tgt Ion: 85 Resp: 211981

Ion Ratio Lower Upper

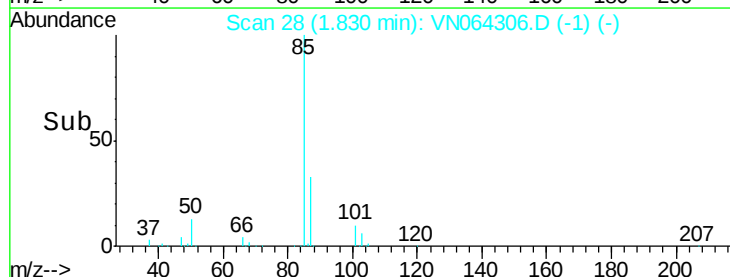
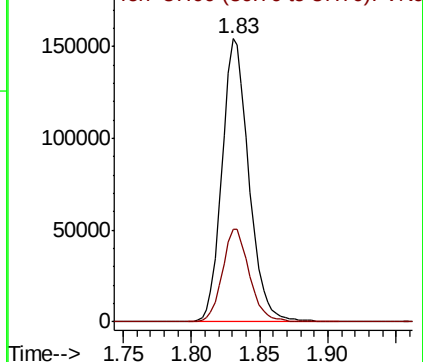
85 100

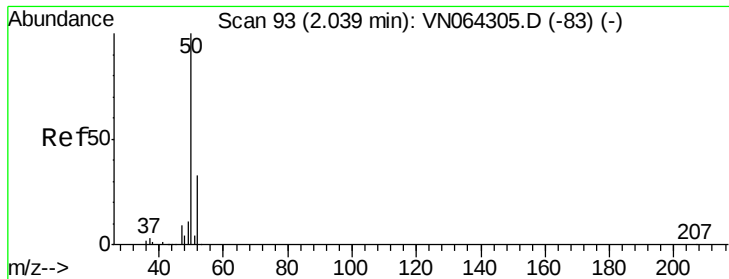
87 32.8 18.1 54.4



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 55.312 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

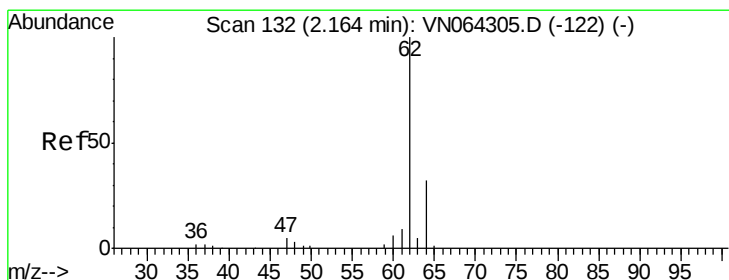
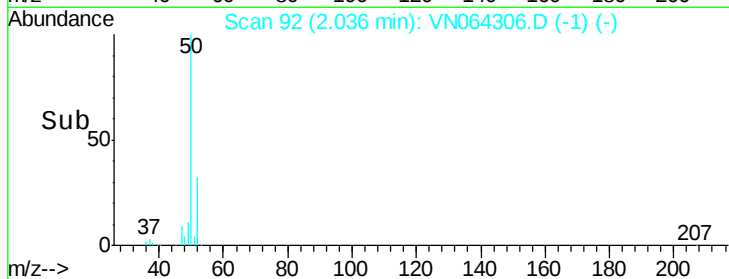
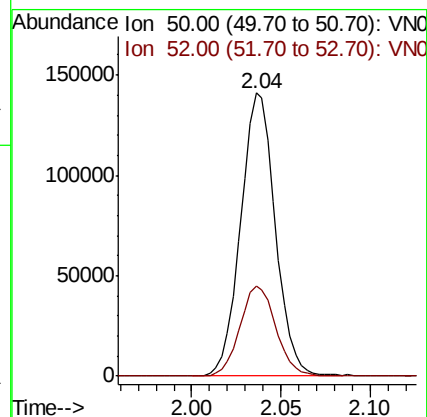
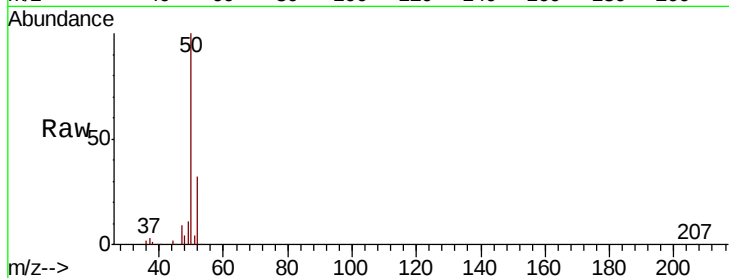
VSTDIC050

Tot Ion: 50 Resp: 191046

Ion Ratio Lower Upper

50 100

52 31.8 26.2 39.2



#4

Vinyl Chloride

Concen: 54.841 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064306.D

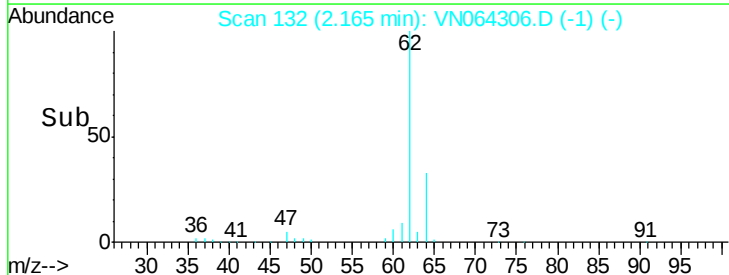
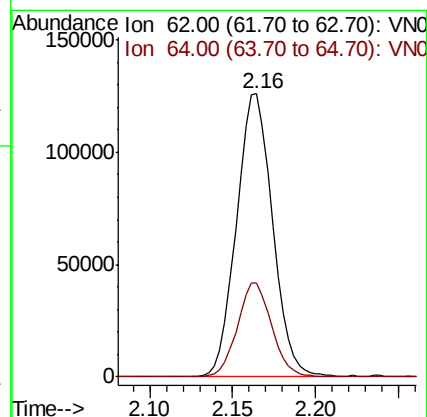
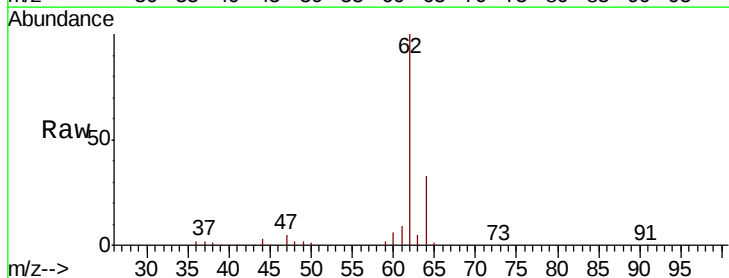
Acq: 26 Oct 2020 16:42

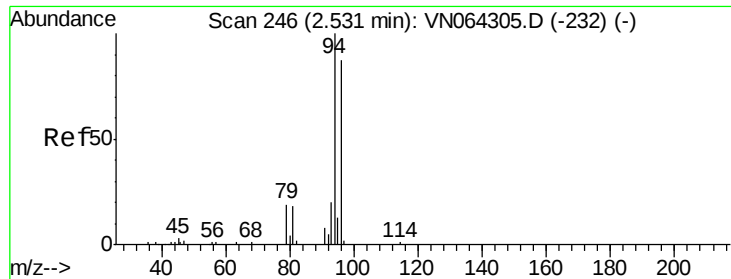
Tgt Ion: 62 Resp: 190831

Ion Ratio Lower Upper

62 100

64 33.0 25.5 38.3





#5

Bromomethane

Concen: 51.405 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

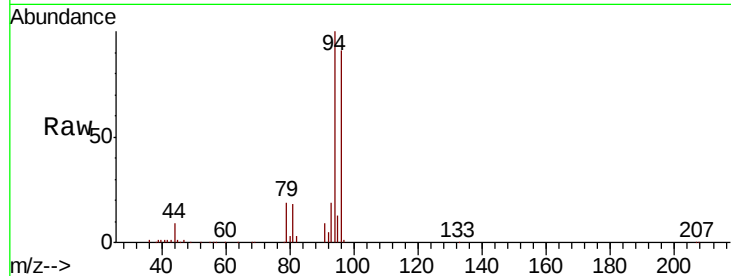
VSTDIC050

Tot Ion: 94 Resp: 116082

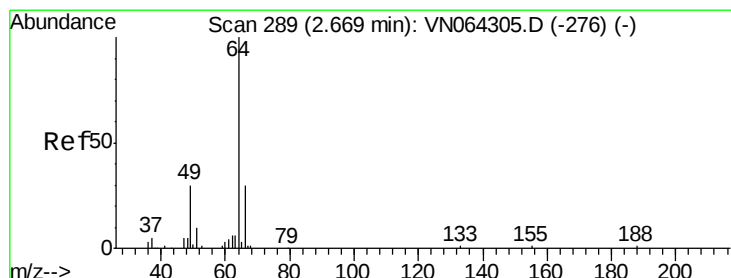
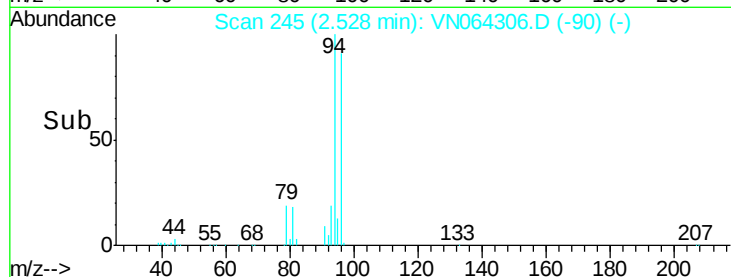
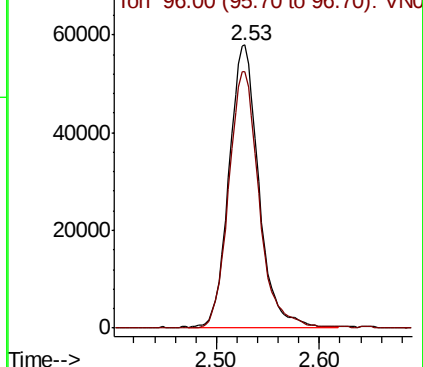
Ion Ratio Lower Upper

94 100

96 90.9 69.4 104.0



Abundance Ion 94.00 (93.70 to 94.70): VN064305.D (-232) (-)



#6

Chloroethane

Concen: 52.447 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064306.D

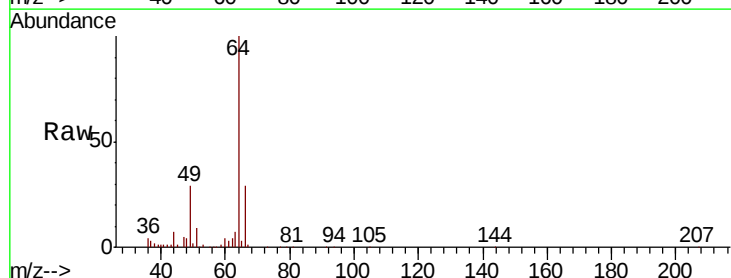
Acq: 26 Oct 2020 16:42

Tgt Ion: 64 Resp: 105914

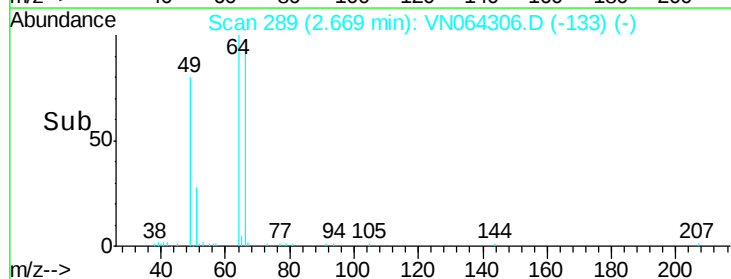
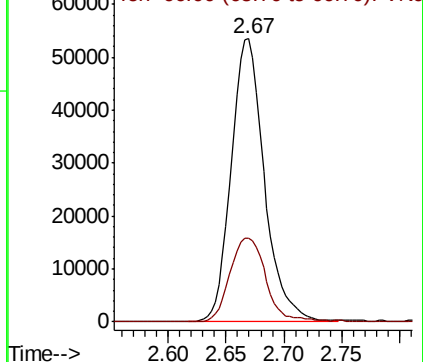
Ion Ratio Lower Upper

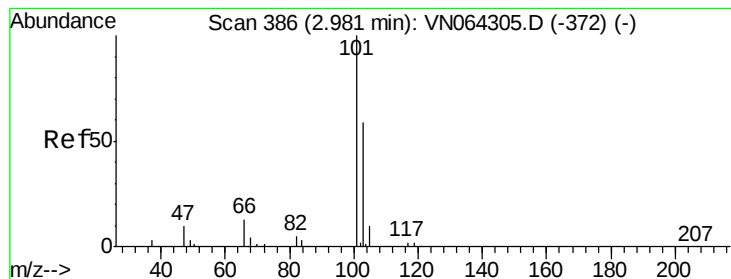
64 100

66 29.1 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VN064305.D (-276) (-)



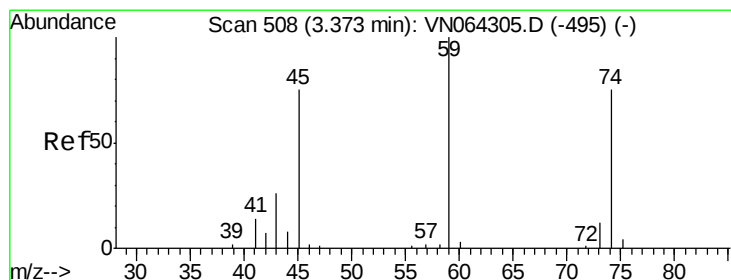
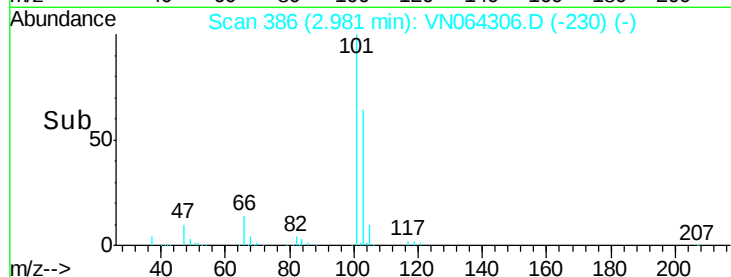
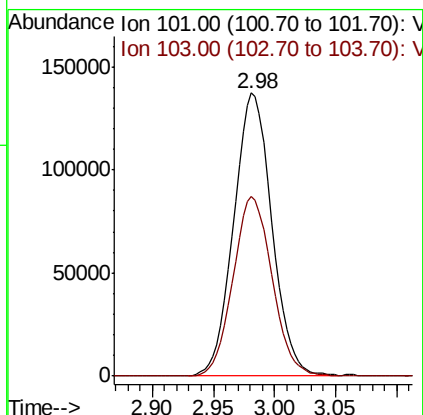
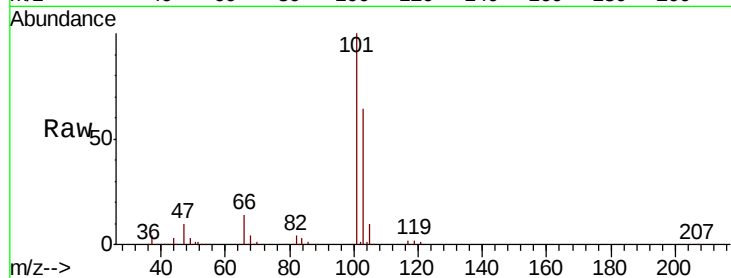


#7

Trichlorofluoromethane  
Concen: 51.218 ug/l  
RT: 2.98 min Scan# 386  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

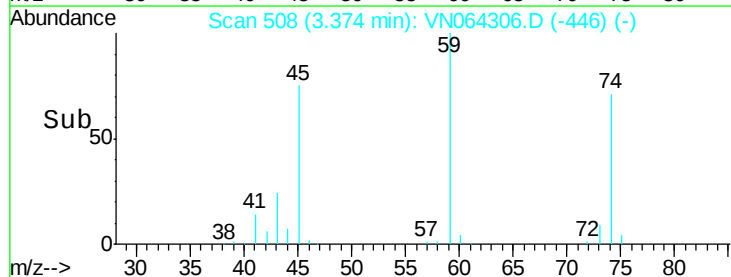
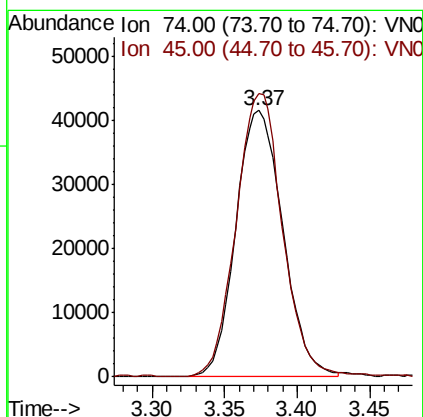
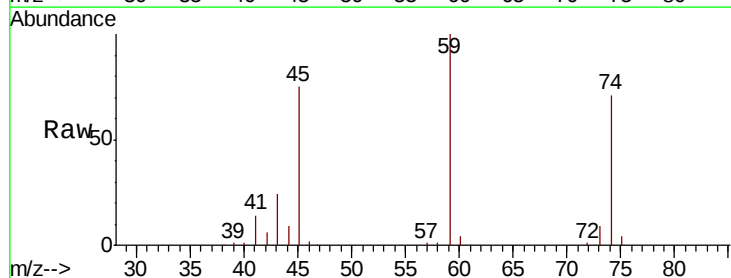
Tot Ion:101 Resp: 297913  
Ion Ratio Lower Upper  
101 100  
103 63.5 47.1 70.7

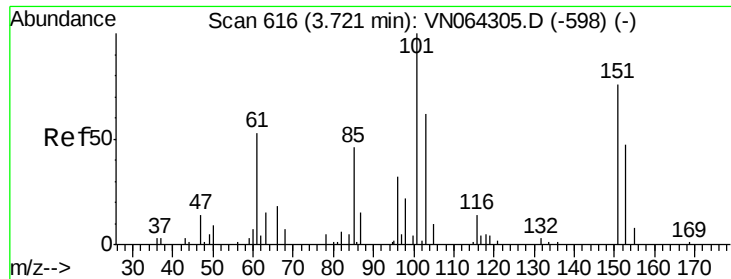


#8

Diethyl Ether  
Concen: 49.143 ug/l  
RT: 3.37 min Scan# 508  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion: 74 Resp: 93797  
Ion Ratio Lower Upper  
74 100  
45 104.9 20.4 183.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.655 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

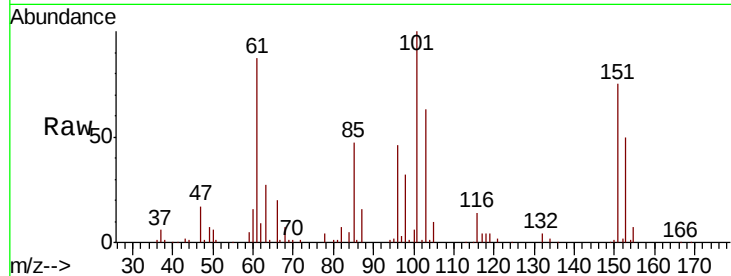
Tot Ion:101 Resp: 148075

Ion Ratio Lower Upper

101 100

85 48.1 0.0 96.2

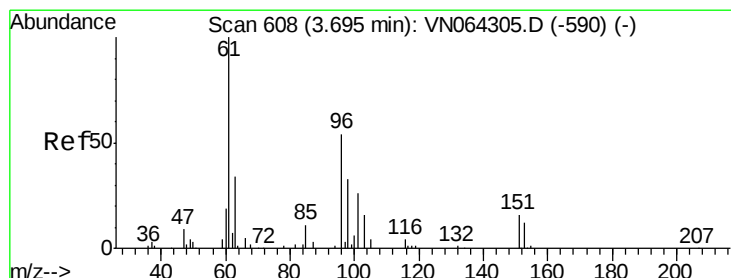
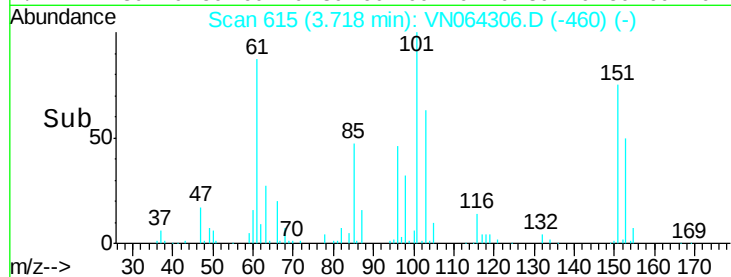
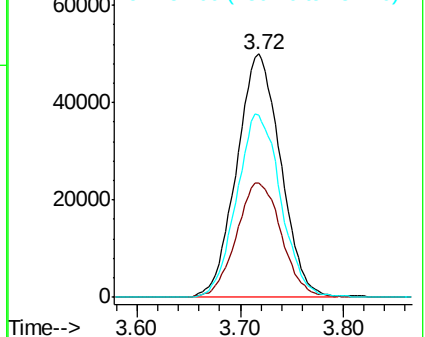
151 75.5 0.0 154.4



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: 50.607 ug/l

RT: 3.69 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

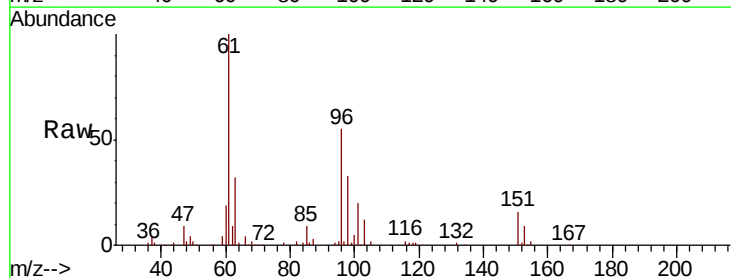
Tgt Ion: 96 Resp: 139806

Ion Ratio Lower Upper

96 100

61 180.3 147.4 221.2

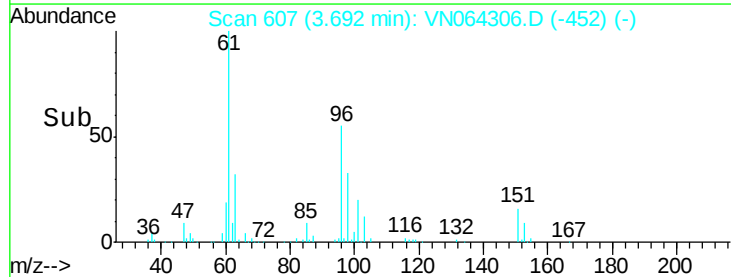
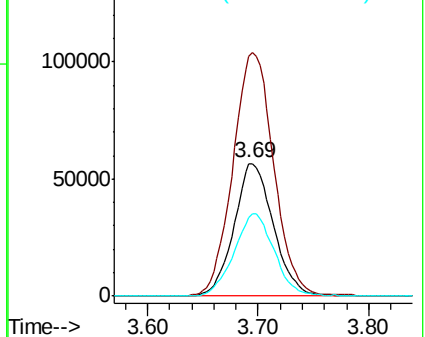
98 59.5 48.8 73.2

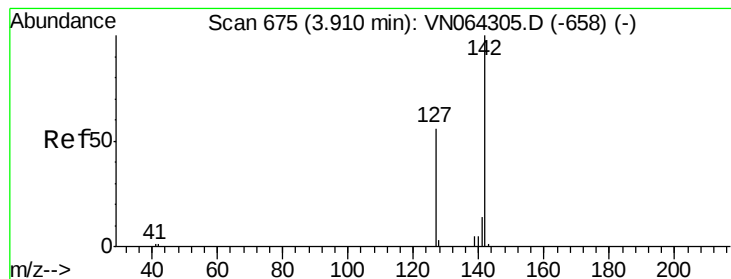


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methyl Iodide

Concen: 51.425 ug/l

RT: 3.91 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

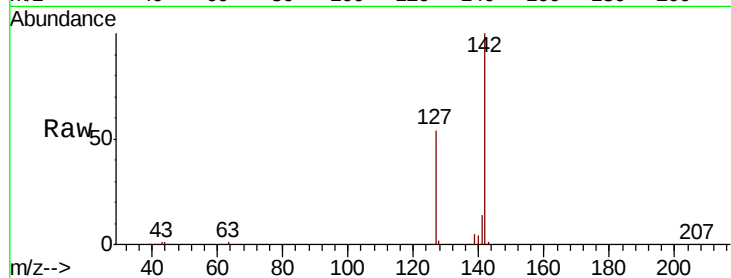
Tot Ion:142 Resp: 204791

Ion Ratio Lower Upper

142 100

127 54.2 27.9 83.7

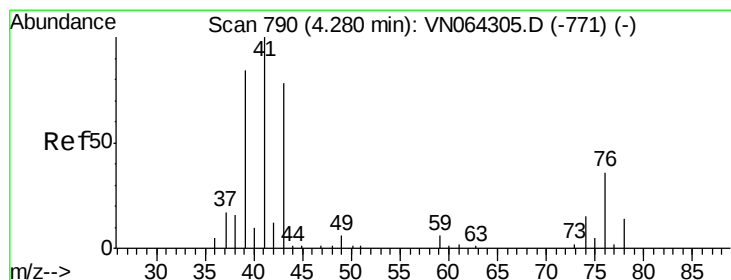
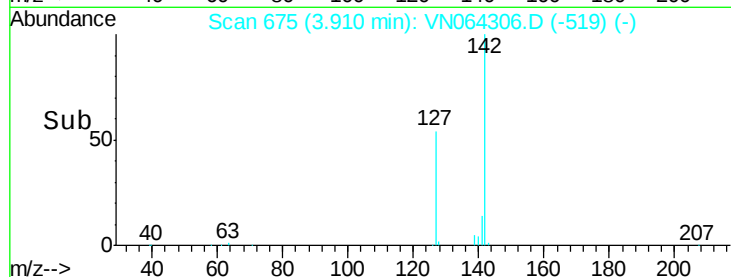
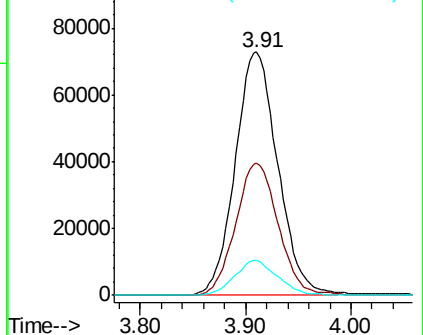
141 14.5 7.1 21.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 50.588 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064306.D

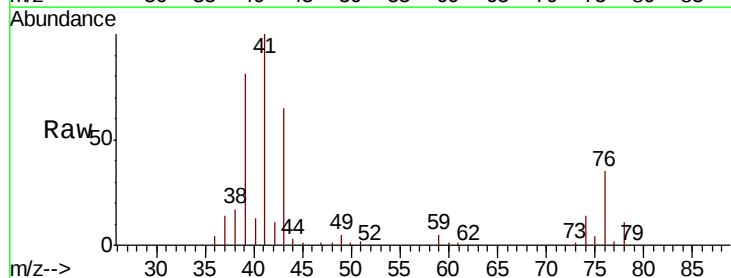
Acq: 26 Oct 2020 16:42

Tgt Ion: 43 Resp: 165661

Ion Ratio Lower Upper

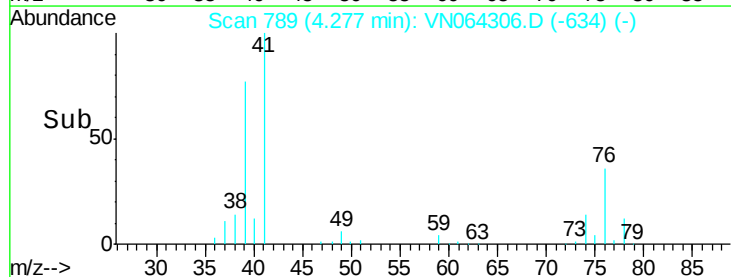
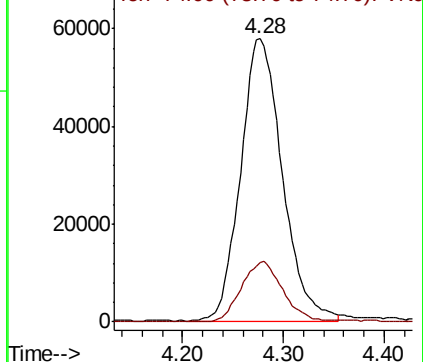
43 100

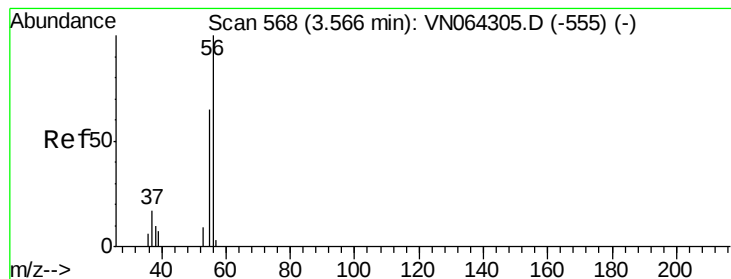
74 20.8 15.4 23.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 205.040 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

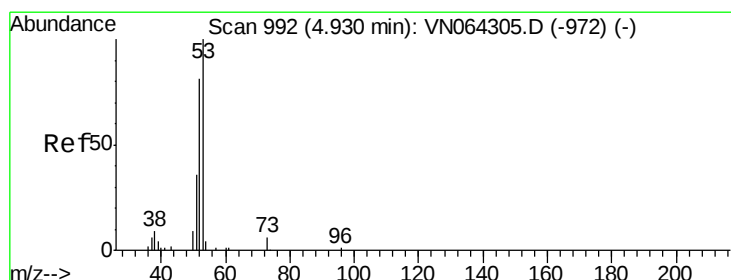
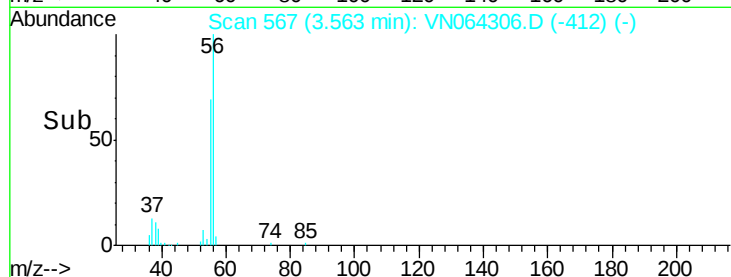
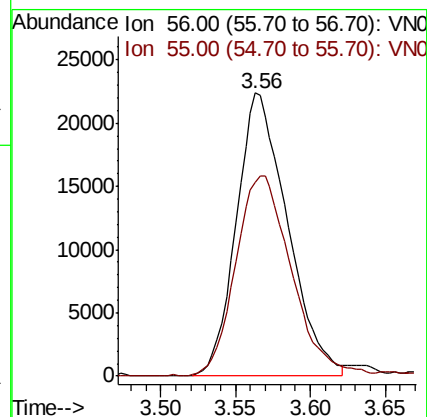
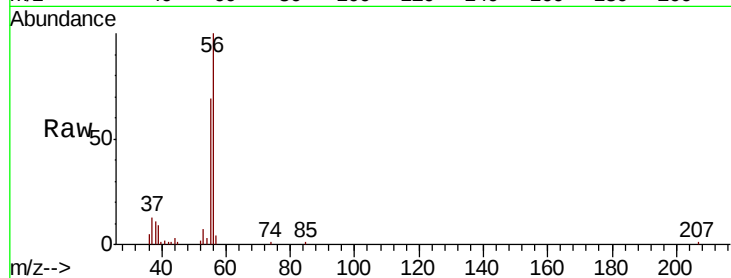
VSTDIC050

Tot Ion: 56 Resp: 53143

Ion Ratio Lower Upper

56 100

55 77.4 55.5 83.3



#14

Acrylonitrile

Concen: 288.731 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

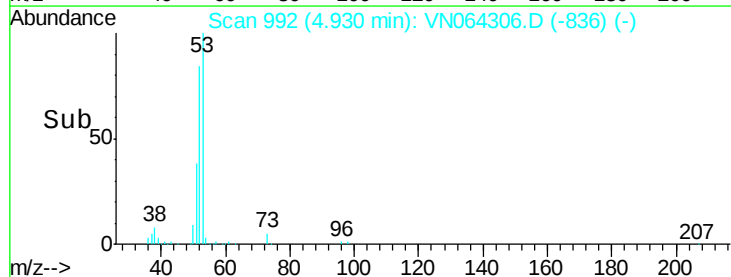
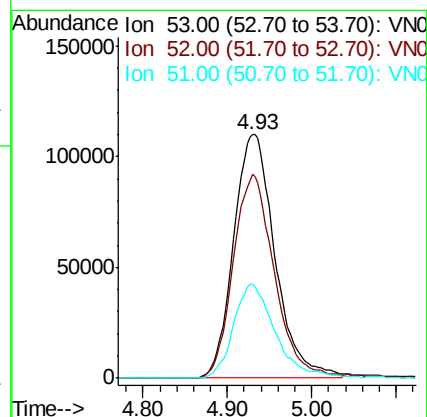
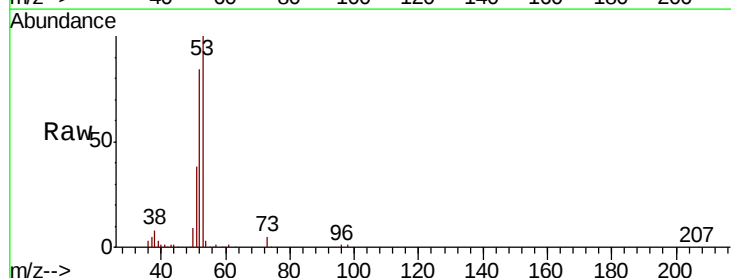
Tgt Ion: 53 Resp: 375452

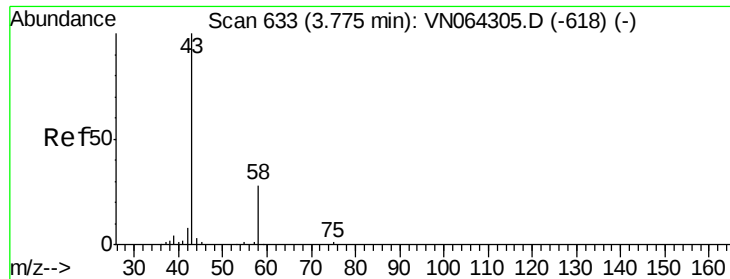
Ion Ratio Lower Upper

53 100

52 82.7 41.7 125.1

51 37.5 19.4 58.2





#15

Acetone

Concen: 247.017 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

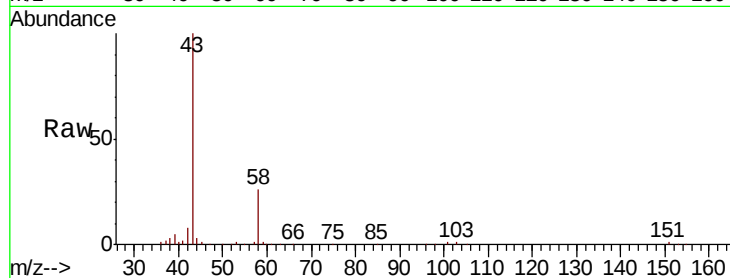
VSTDIC050

Tot Ion: 58 Resp: 98235

Ion Ratio Lower Upper

58 100

43 379.6 289.9 434.9



Abundance Ion 58.00 (57.70 to 58.70): VN064305.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN064305.D (-618) (-)

150000

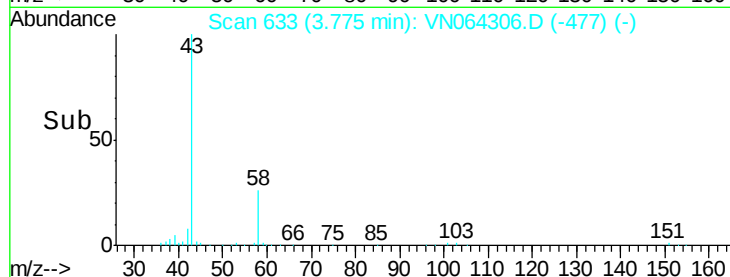
100000

50000

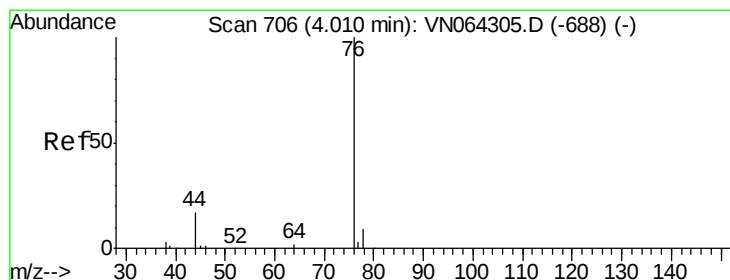
0

3.78

3.75 3.80 3.85



Time-->



#16

Carbon Disulfide

Concen: 51.286 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064306.D

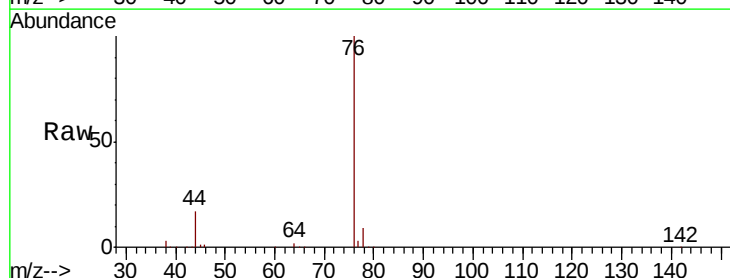
Acq: 26 Oct 2020 16:42

Tgt Ion: 76 Resp: 411745

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN064305.D (-688) (-)

Ion 78.00 (77.70 to 78.70): VN064305.D (-688) (-)

150000

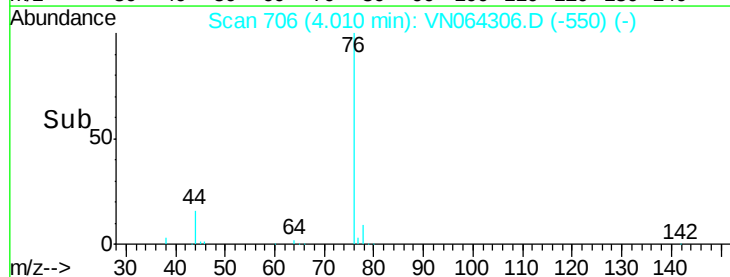
100000

50000

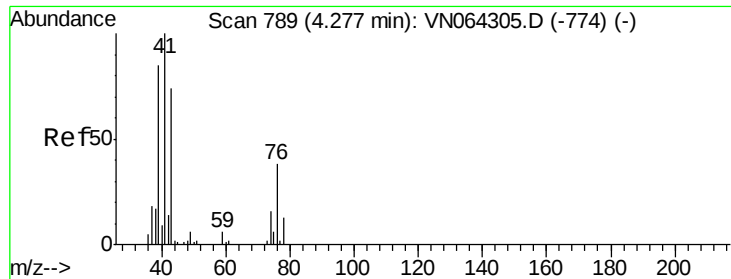
0

4.01

3.90 4.10



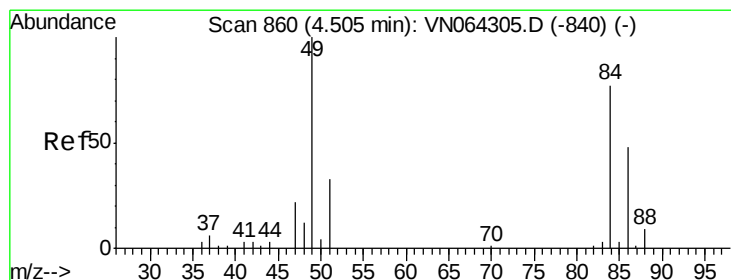
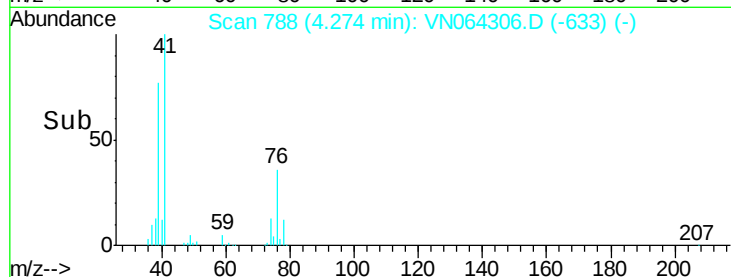
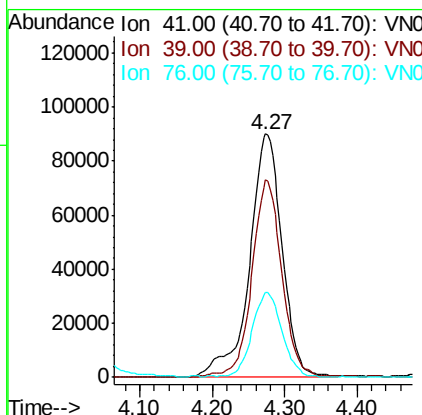
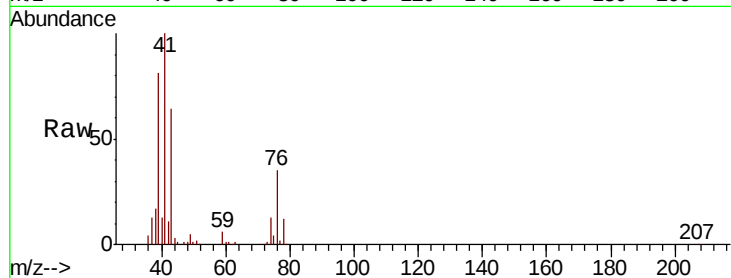
Time-->



#17  
Allvl chloride  
Concen: 53.170 ug/l  
RT: 4.27 min Scan# 788  
Delta R.T. -0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

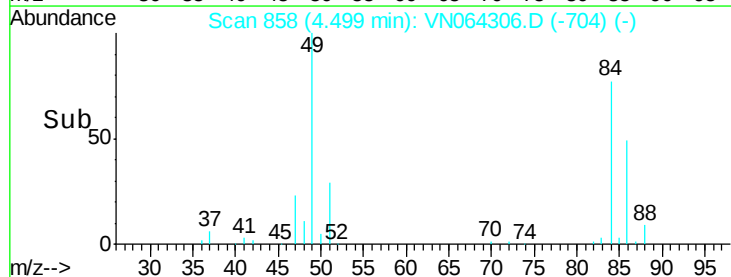
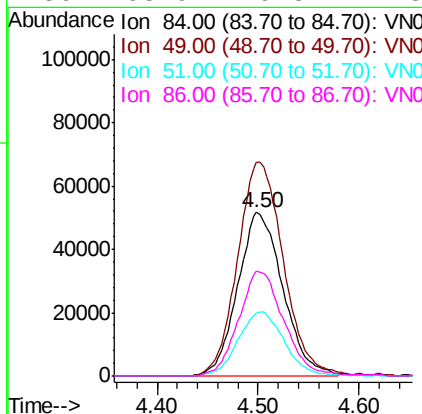
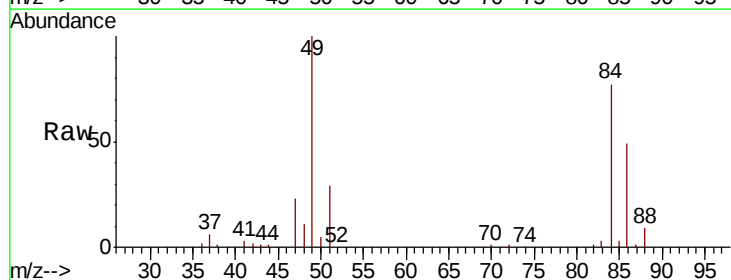
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

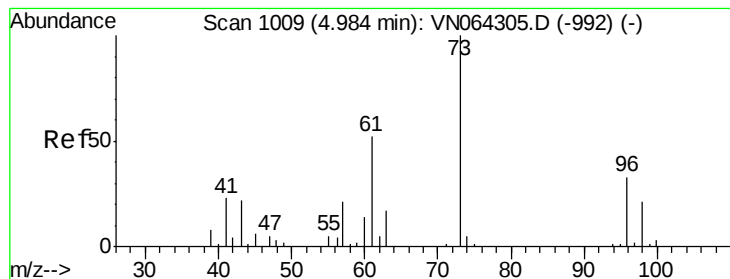
Tot Ion: 41 Resp: 281993  
Ion Ratio Lower Upper  
41 100  
39 81.1 40.3 120.9  
76 34.6 17.6 52.9



#18  
Methylene Chloride  
Concen: 49.356 ug/l  
RT: 4.50 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion: 84 Resp: 160619  
Ion Ratio Lower Upper  
84 100  
49 130.4 103.1 154.7  
51 38.4 33.8 50.8  
86 63.9 49.8 74.8





#19

trans-1,2-Dichloroethene

Concen: 48.989 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

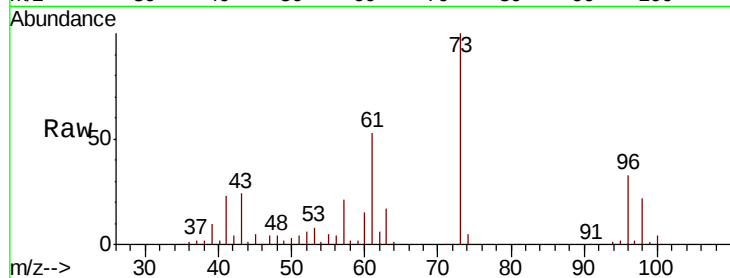
Tot Ion: 96 Resp: 151690

Ion Ratio Lower Upper

96 100

61 159.9 126.9 190.3

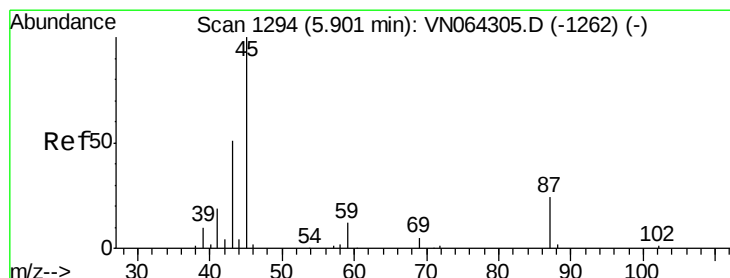
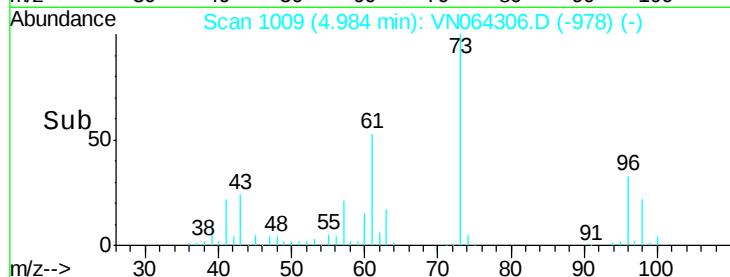
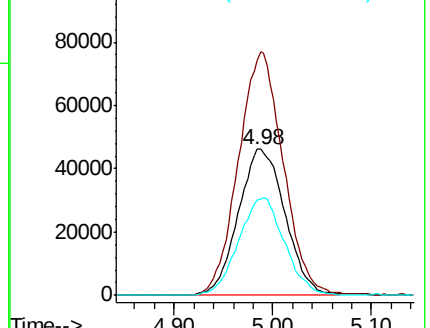
98 65.3 50.6 76.0



Abundance Ion 96.00 (95.70 to 96.70): VN064306.D (-1232) (-)

Ion 61.00 (60.70 to 61.70): VN064306.D (-1232) (-)

Ion 98.00 (97.70 to 98.70): VN064306.D (-1232) (-)



#20

Diisopropyl ether

Concen: 53.823 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Tgt Ion: 45 Resp: 550146

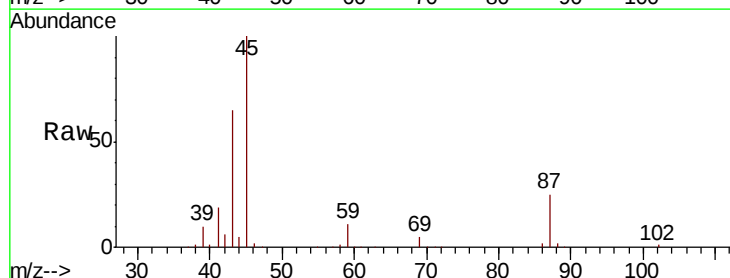
Ion Ratio Lower Upper

45 100

43 63.0 56.6 85.0

87 25.1 20.3 30.5

59 10.3 10.1 15.1

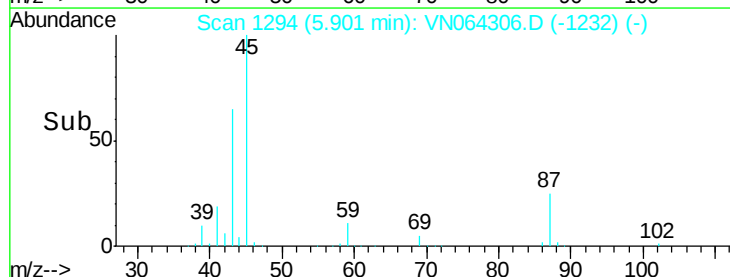
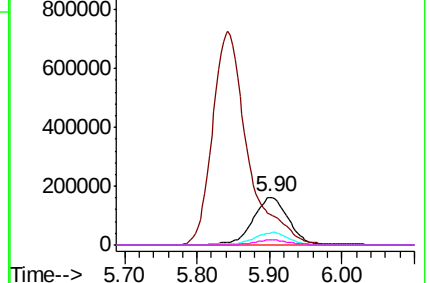


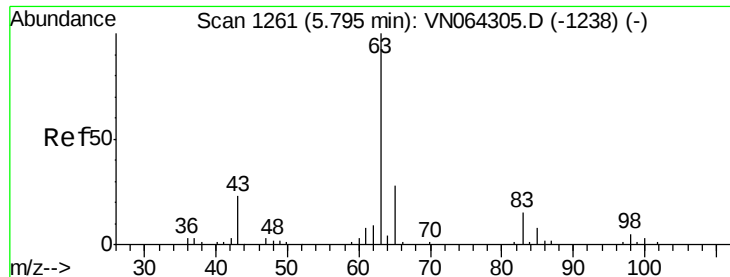
Abundance Ion 45.00 (44.70 to 45.70): VN064306.D (-1232) (-)

Ion 43.00 (42.70 to 43.70): VN064306.D (-1232) (-)

Ion 87.00 (86.70 to 87.70): VN064306.D (-1232) (-)

Ion 59.00 (58.70 to 59.70): VN064306.D (-1232) (-)

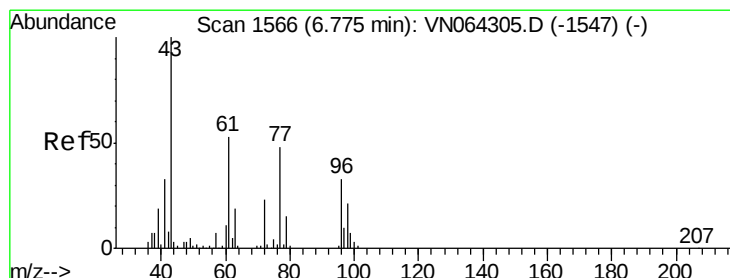
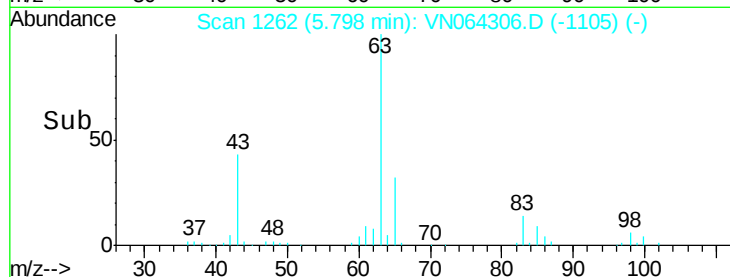
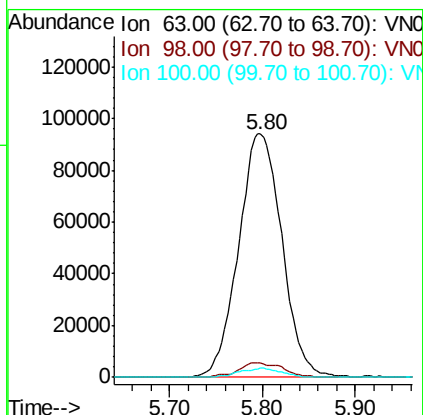
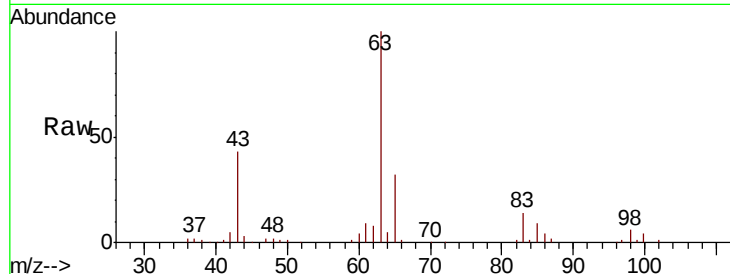




#21  
 1,1-Dichloroethane  
 Concen: 50.809 ug/l  
 RT: 5.80 min Scan# 1262  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

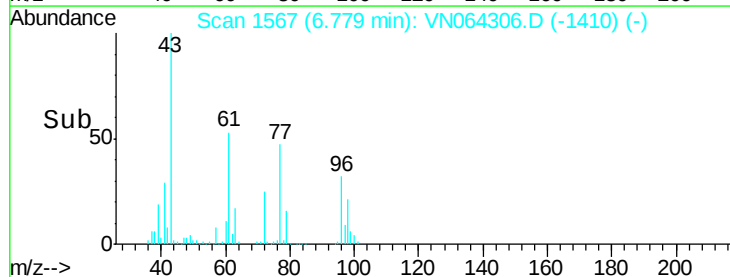
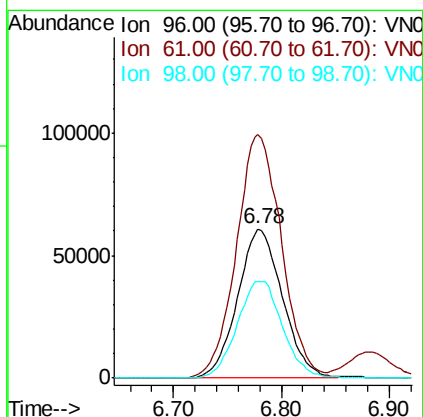
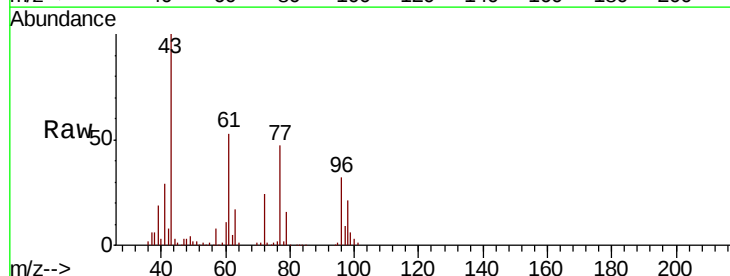
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

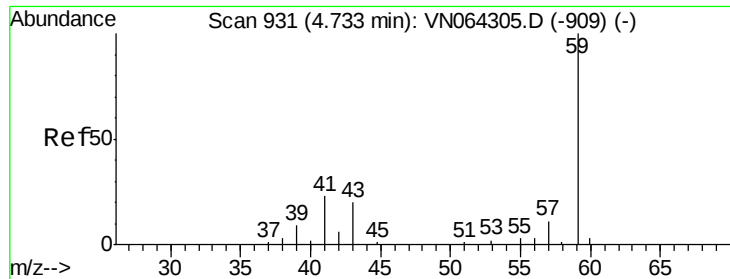
Tot Ion: 63 Resp: 305838  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 2.6 8.0  
 100 3.7 1.6 4.8



#22  
 cis-1,2-Dichloroethene  
 Concen: 49.008 ug/l  
 RT: 6.78 min Scan# 1567  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion: 96 Resp: 176075  
 Ion Ratio Lower Upper  
 96 100  
 61 164.1 133.0 199.6  
 98 0.1 51.6 77.4#



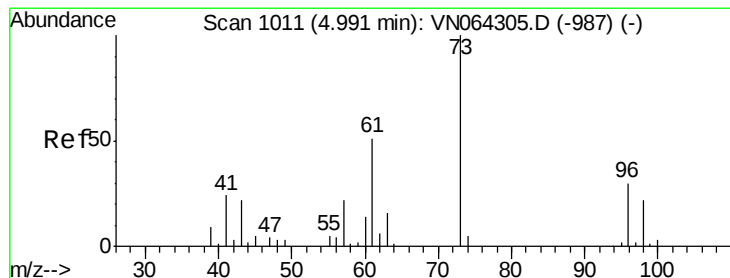
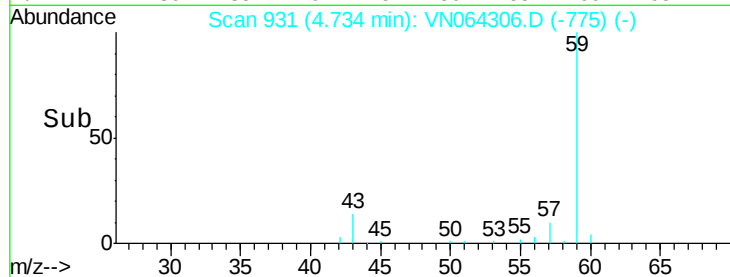
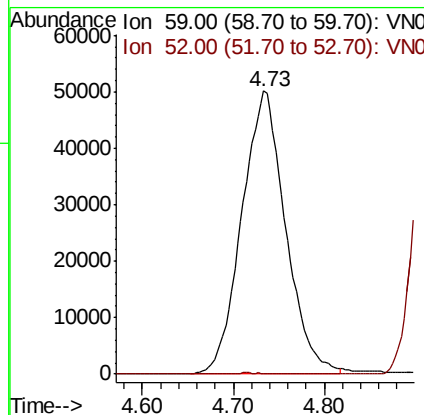
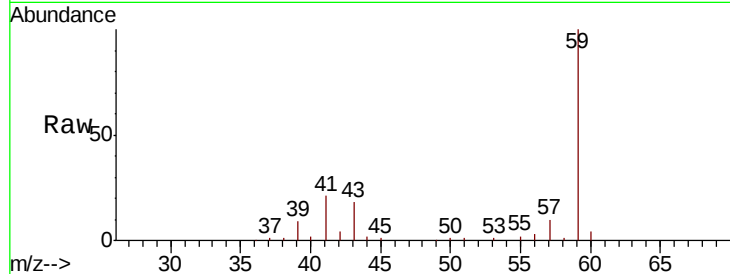


#23

tert-Butyl Alcohol  
 Concen: 280.897 ug/l  
 RT: 4.73 min Scan# 931  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

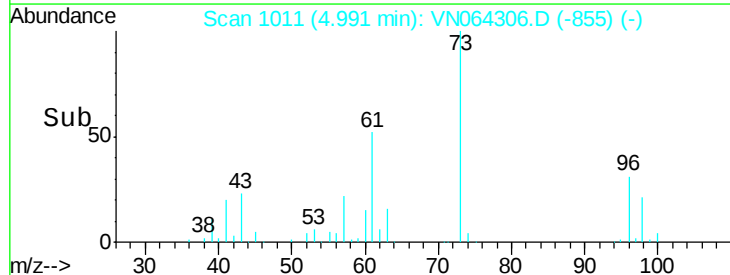
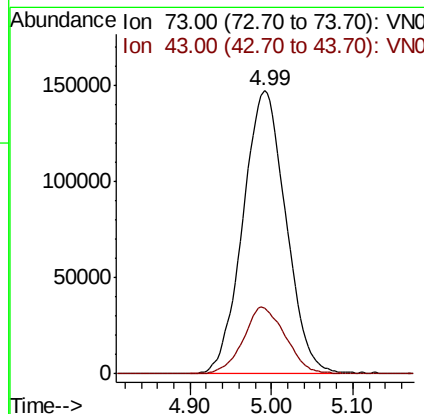
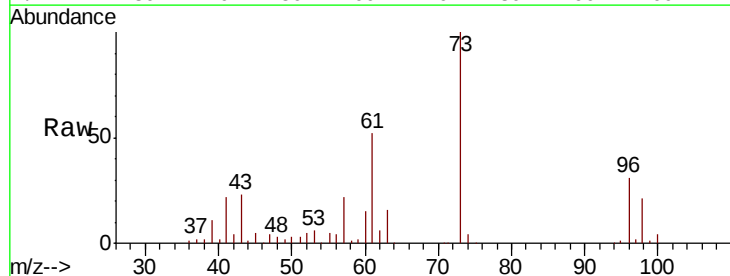
Tot Ion: 59 Resp: 167492  
 Ion Ratio Lower Upper  
 59 100  
 52 0.1 0.0 0.0#

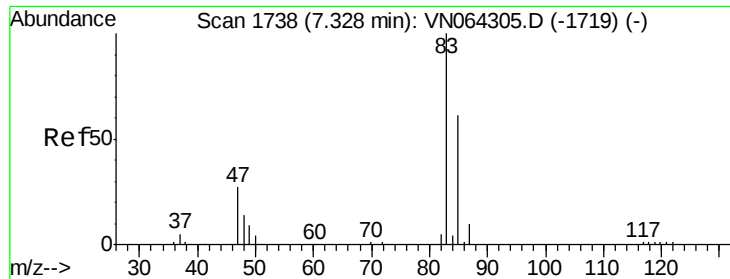


#24

Methyl tert-Butyl Ether  
 Concen: 54.607 ug/l  
 RT: 4.99 min Scan# 1011  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion: 73 Resp: 537289  
 Ion Ratio Lower Upper  
 73 100  
 43 23.1 19.4 29.2

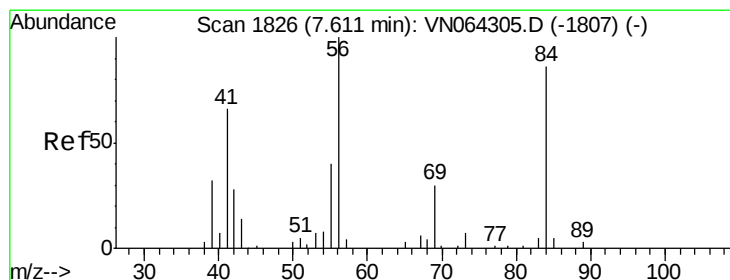
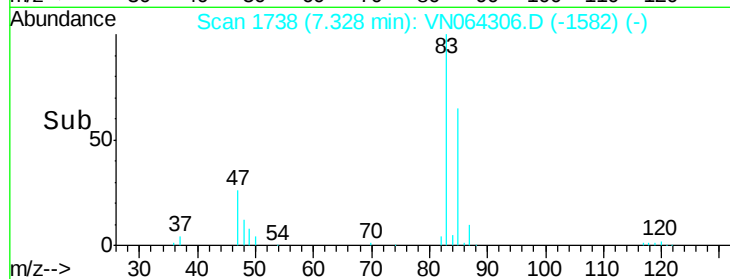
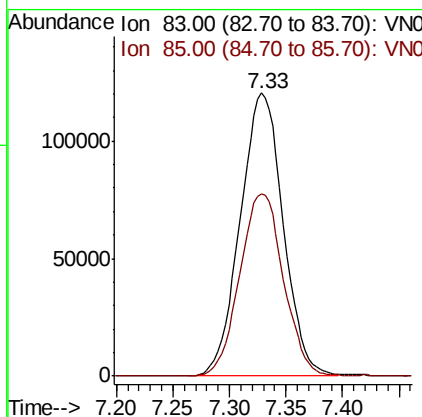
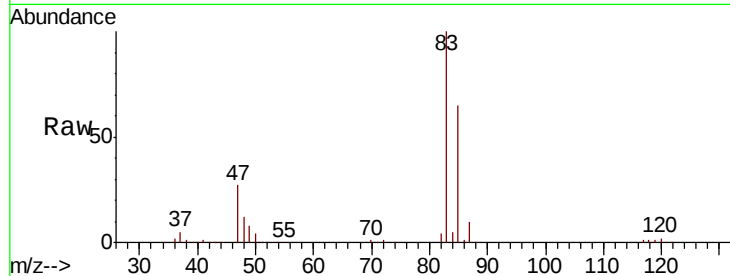




#25  
Chloroform  
Concen: 49.003 ug/l  
RT: 7.33 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

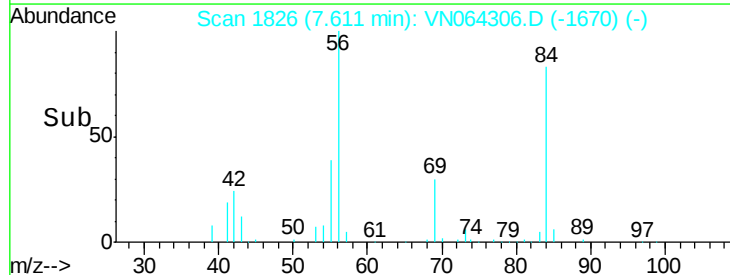
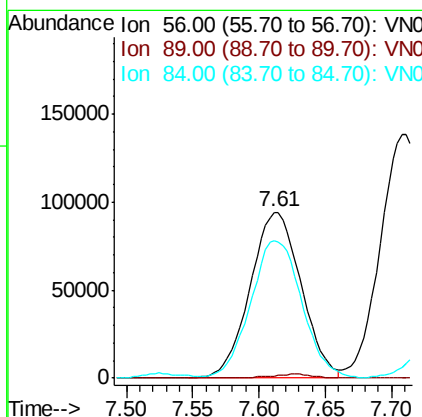
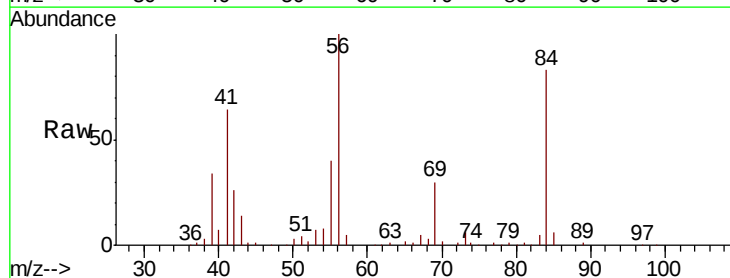
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC050

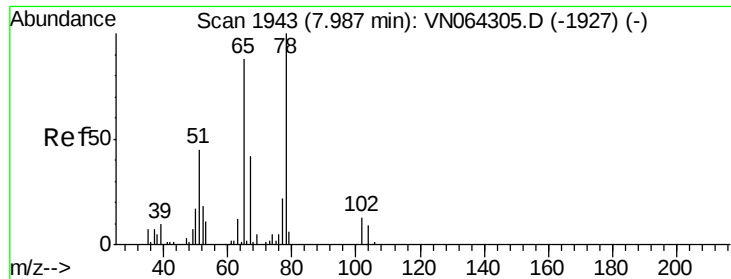
Tot Ion: 83 Resp: 318550  
Ion Ratio Lower Upper  
83 100  
85 64.6 48.6 73.0



#26  
Cyclohexane  
Concen: 53.789 ug/l  
RT: 7.61 min Scan# 1826  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion: 56 Resp: 252413  
Ion Ratio Lower Upper  
56 100  
89 0.4 1.0 1.6#  
84 82.8 67.5 101.3

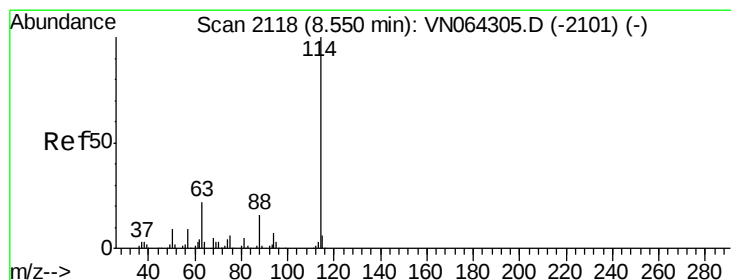
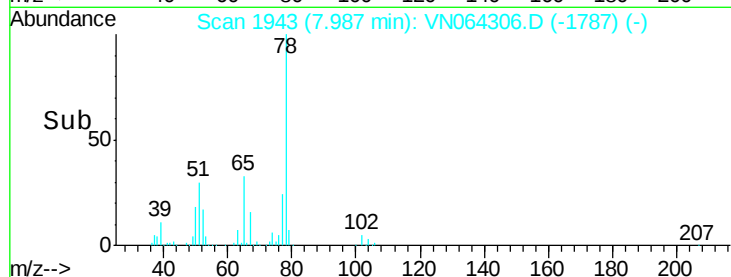
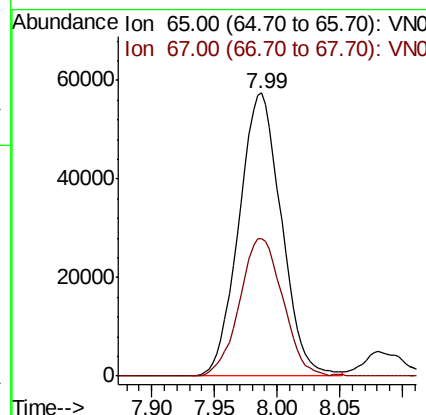
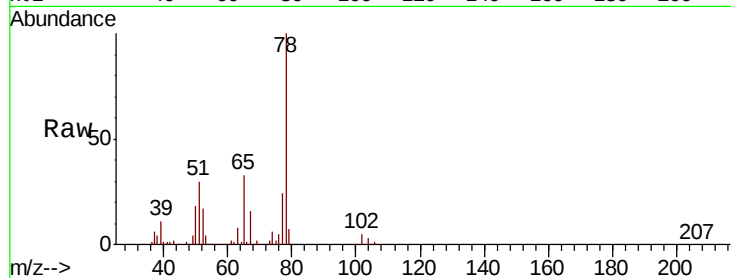




#27  
 1,2-Dichloroethane-d4  
 Concen: 30.336 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

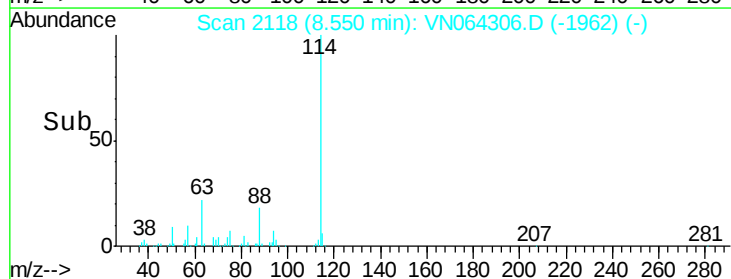
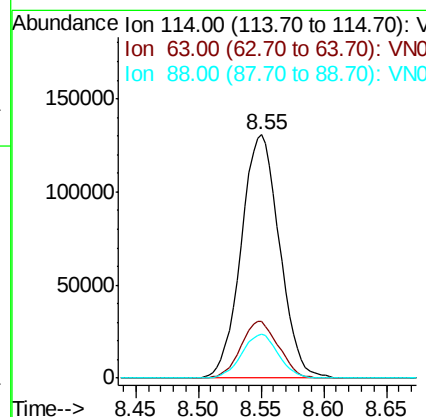
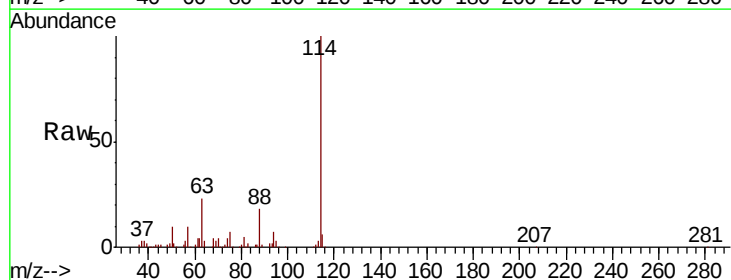
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

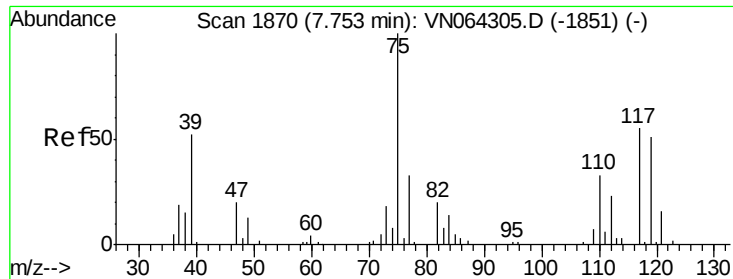
Tot Ion: 65 Resp: 135400  
 Ion Ratio Lower Upper  
 65 100  
 67 49.3 38.5 57.7



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion: 114 Resp: 277880  
 Ion Ratio Lower Upper  
 114 100  
 63 23.0 18.3 27.5  
 88 17.2 13.2 19.8

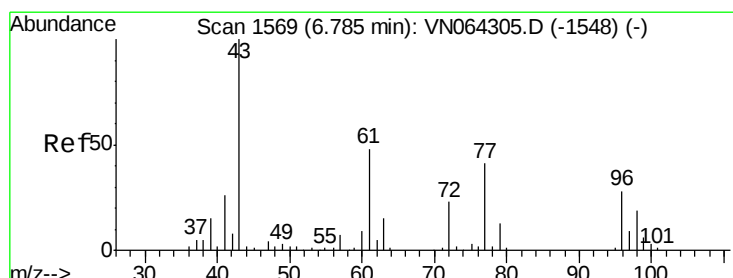
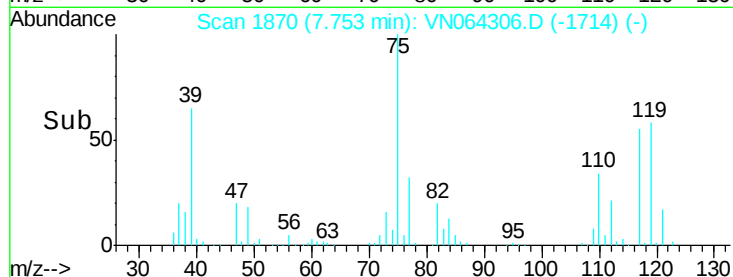
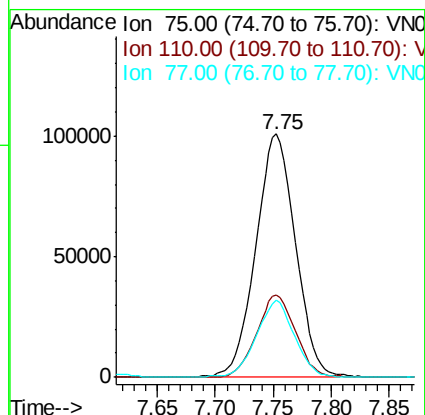
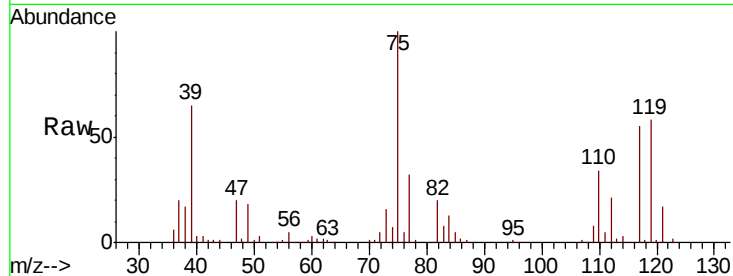




#29  
 1,1-Dichloropropene  
 Concen: 51.097 ug/l  
 RT: 7.75 min Scan# 1870  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

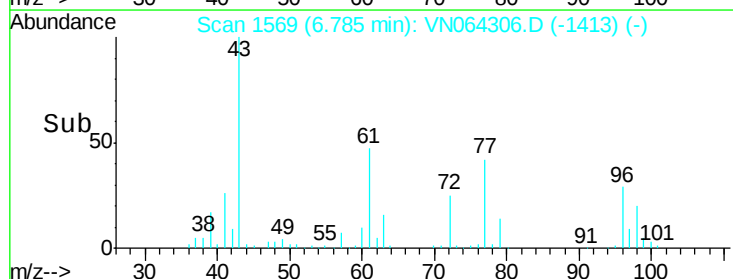
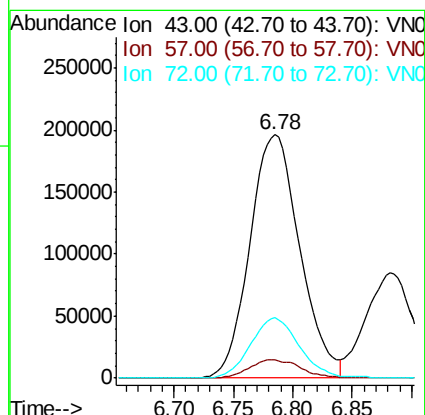
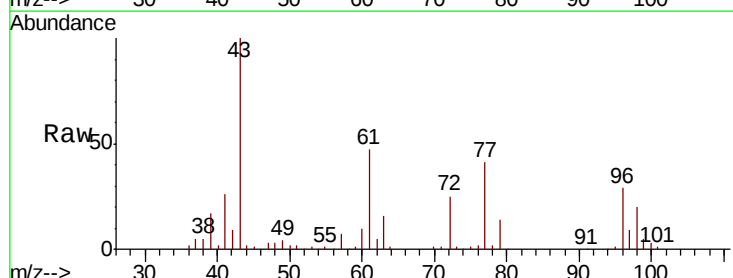
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

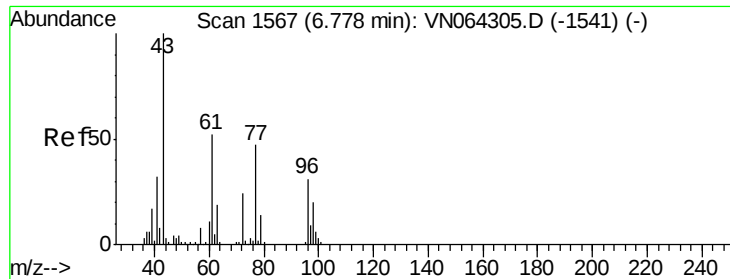
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.1  | 0.0   | 64.4  |
| 77      | 30.5  | 0.0   | 63.6  |



#30  
 2-Butanone  
 Concen: 270.922 ug/l  
 RT: 6.78 min Scan# 1569  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 7.7   | 4.1   | 6.1#  |
| 72      | 24.2  | 19.0  | 28.6  |

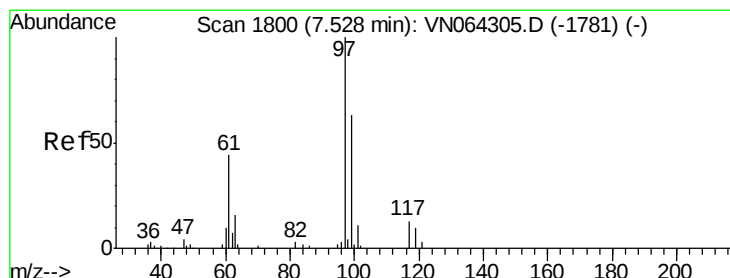
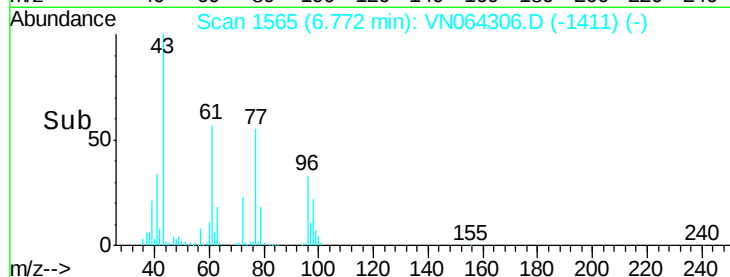
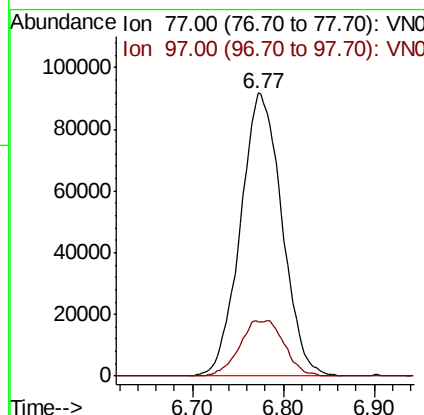
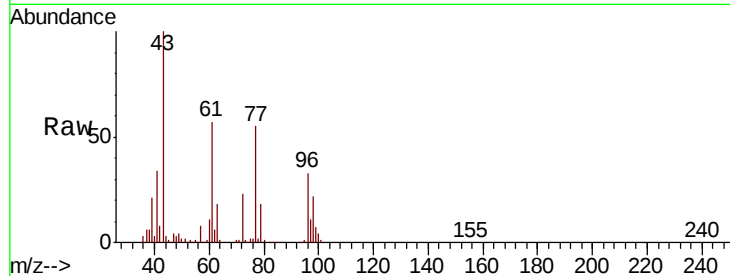




#31  
 2,2-Dichloropropane  
 Concen: 49.711 ug/l  
 RT: 6.77 min Scan# 1565  
 Delta R.T. -0.01 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

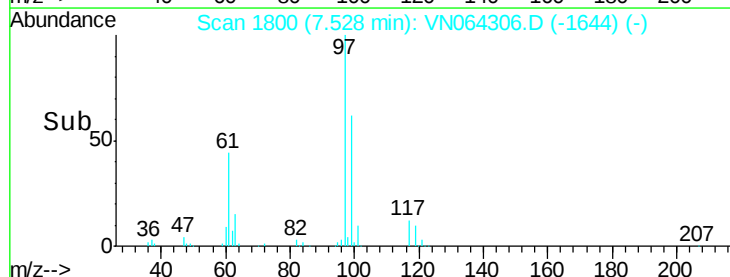
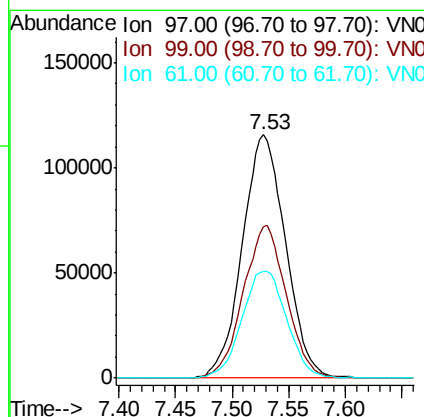
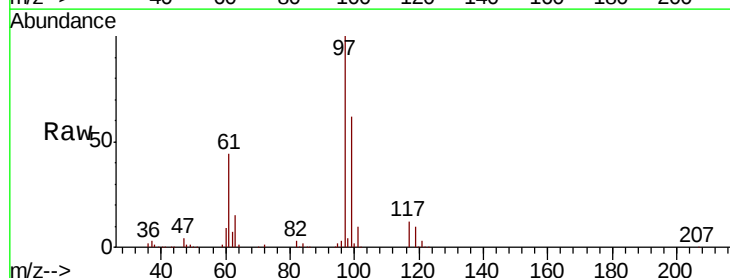
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

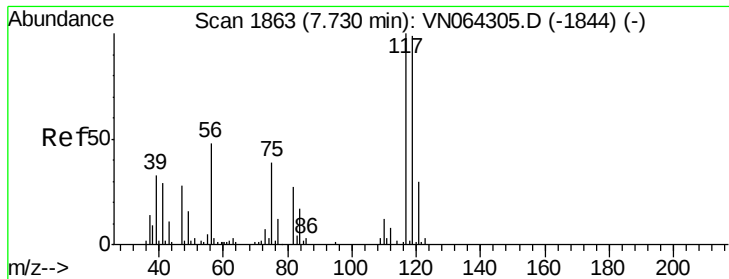
Tot Ion: 77 Resp: 290352  
 Ion Ratio Lower Upper  
 77 100  
 97 10.6 5.8 8.8#



#32  
 1,1,1-Trichloroethane  
 Concen: 51.049 ug/l  
 RT: 7.53 min Scan# 1800  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion: 97 Resp: 306754  
 Ion Ratio Lower Upper  
 97 100  
 99 62.5 51.6 77.4  
 61 45.8 36.4 54.6





#33

Carbon Tetrachloride

Concen: 52.521 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

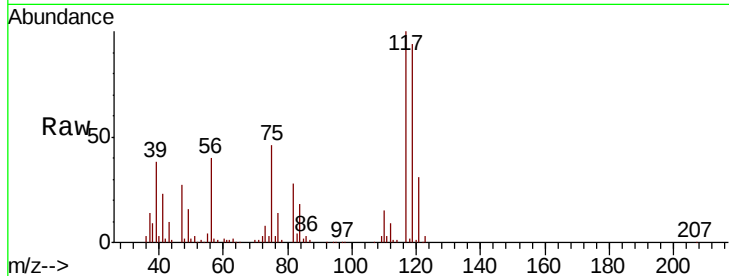
Tot Ion:117 Resp: 283173

Ion Ratio Lower Upper

117 100

119 93.5 79.3 118.9

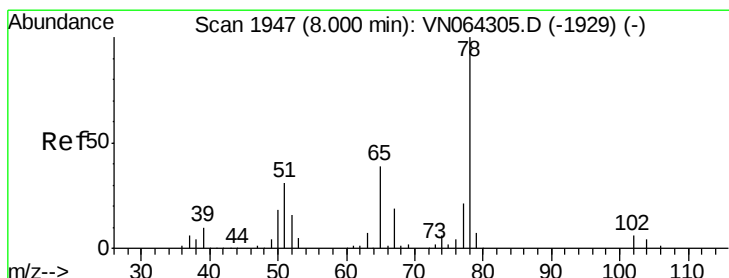
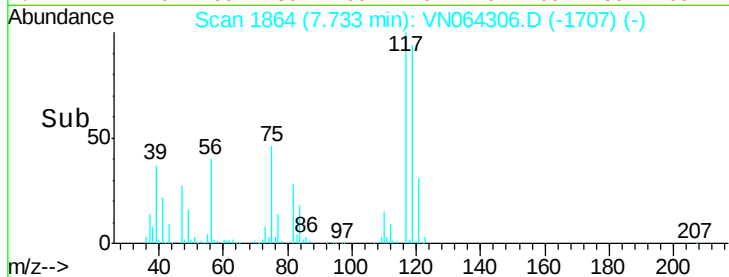
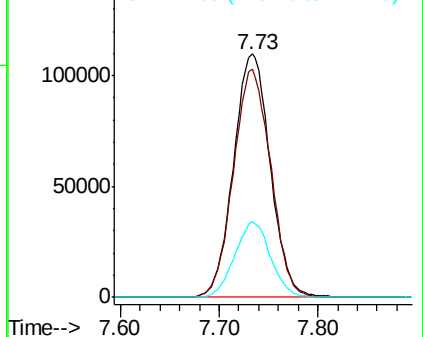
121 31.0 24.6 37.0



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: 50.455 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

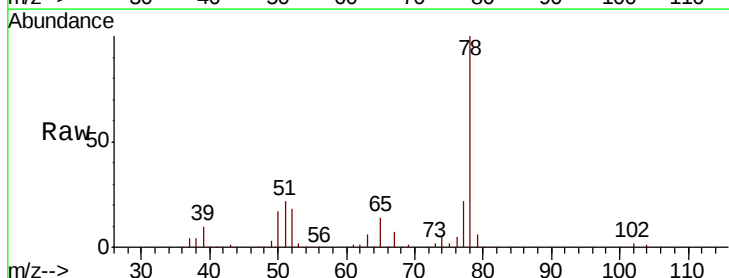
Tgt Ion: 78 Resp: 648935

Ion Ratio Lower Upper

78 100

77 22.4 16.5 24.7

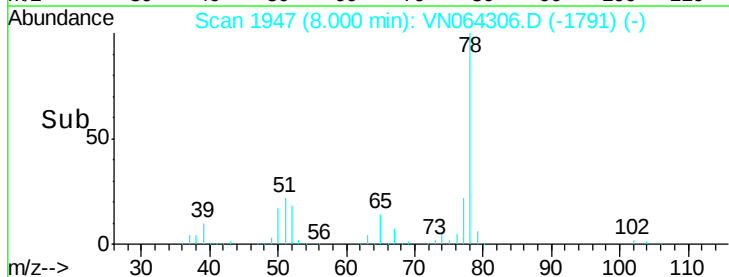
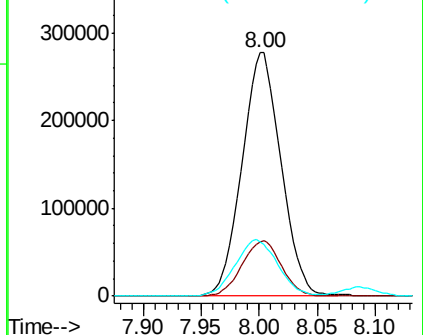
51 22.5 24.5 36.7#

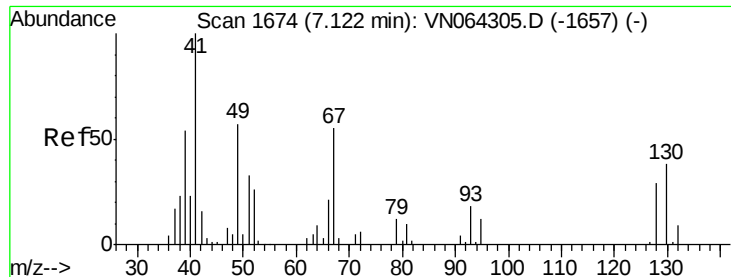


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

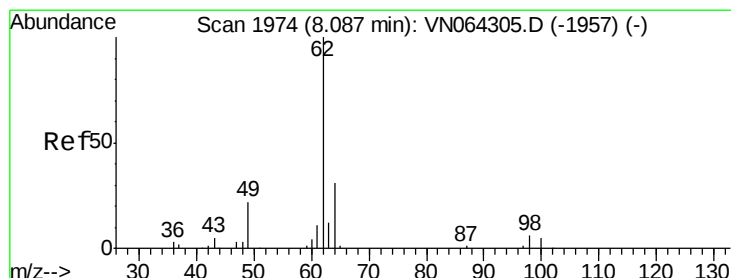
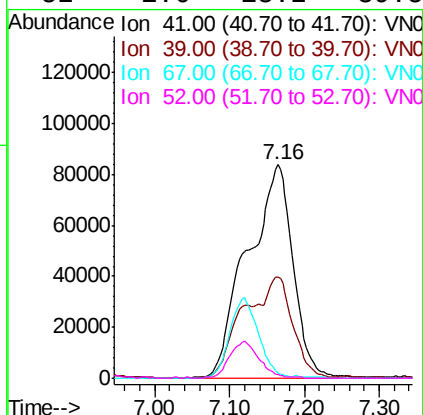
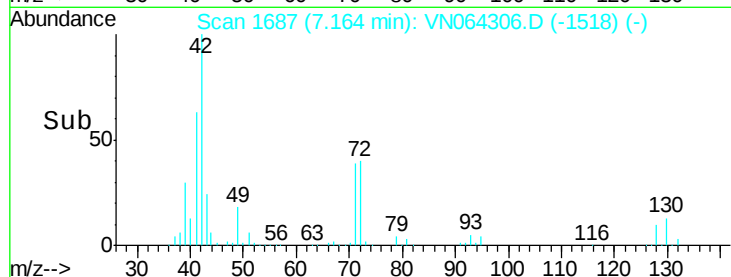
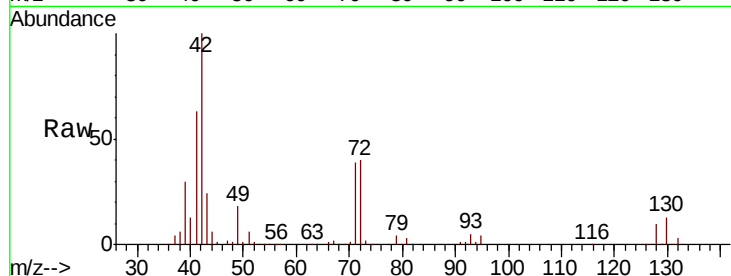




#35  
Methacrylonitrile  
Concen: 167.785 ug/l  
RT: 7.16 min Scan# 1687  
Delta R.T. 0.04 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

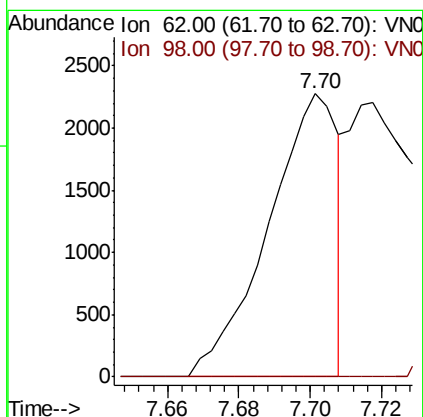
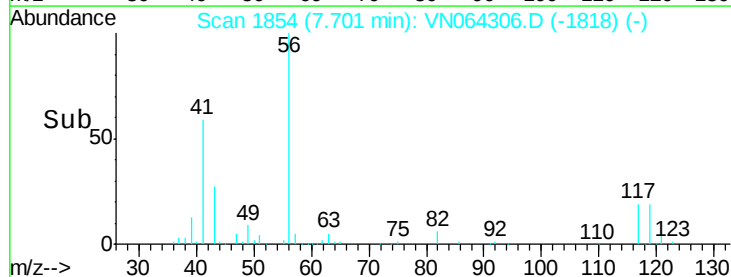
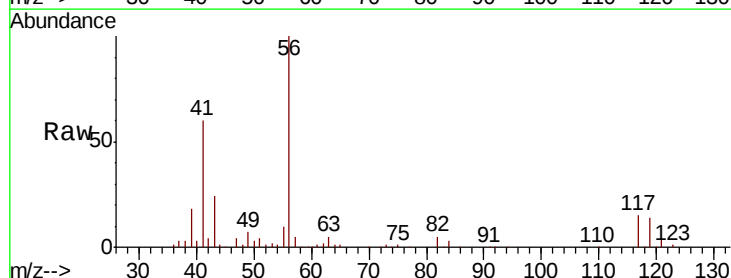
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

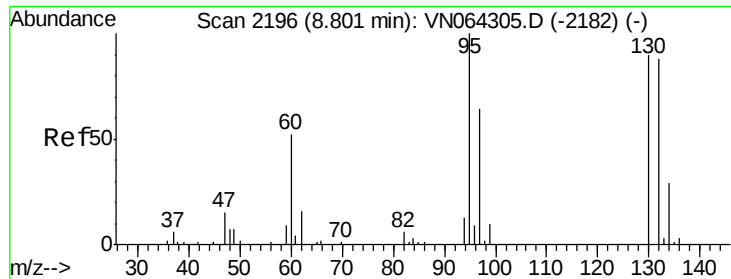
Tot Ion: 41 Resp: 354539  
Ion Ratio Lower Upper  
41 100  
39 47.3 27.1 81.2  
67 2.5 27.7 83.1#  
52 1.6 13.2 39.5#



#36  
1,2-Dichloroethane  
Concen: 0.551 ug/l  
RT: 7.70 min Scan# 1854  
Delta R.T. -0.39 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion: 62 Resp: 3067  
Ion Ratio Lower Upper  
62 100  
98 3.7 3.4 5.0

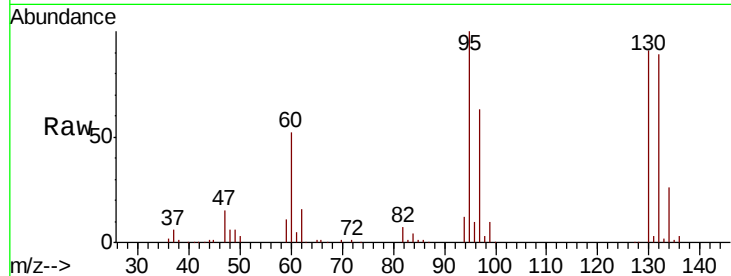




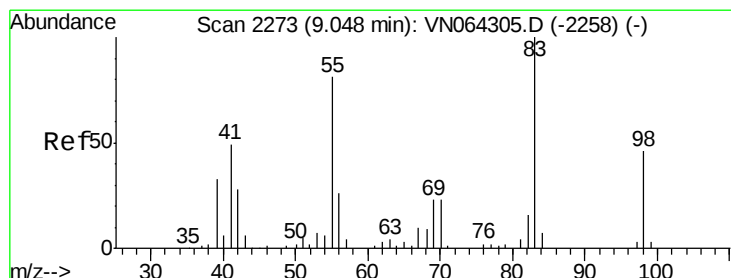
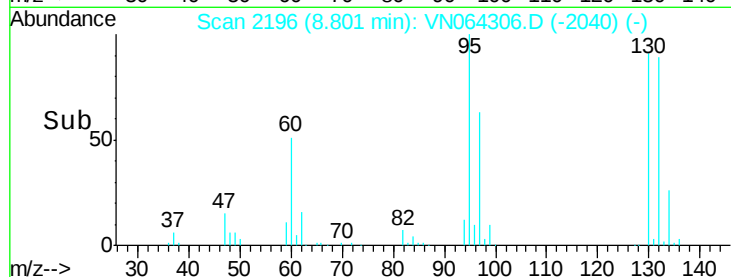
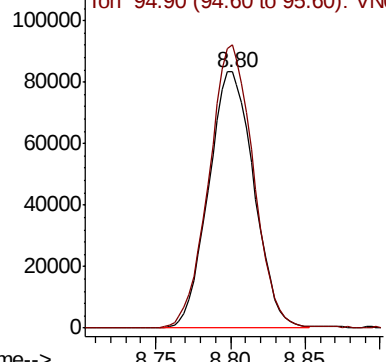
#37  
 Trichloroethene  
 Concen: 50.149 ug/l  
 RT: 8.80 min Scan# 2196  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC050

Tot Ion:130 Resp: 176020  
 Ion Ratio Lower Upper  
 130 100  
 95 110.2 88.8 133.2

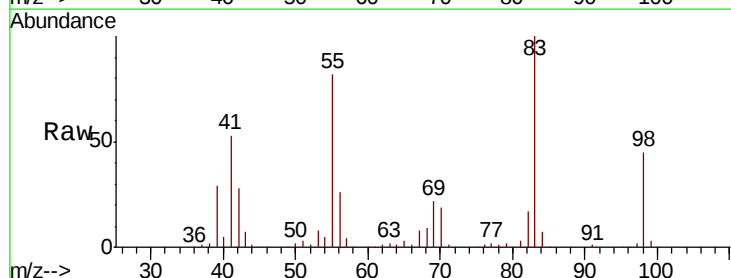


Abundance Ion 129.90 (129.60 to 130.60): V  
 Ion 94.90 (94.60 to 95.60): VN

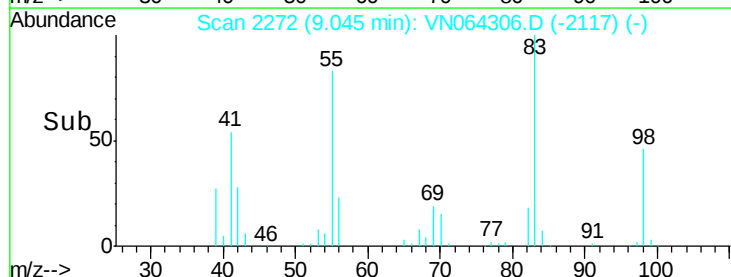
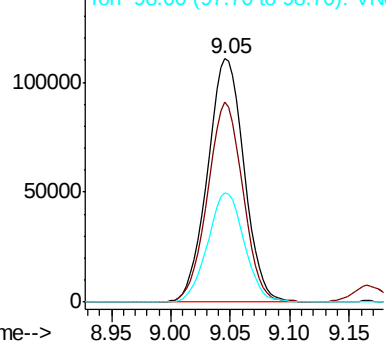


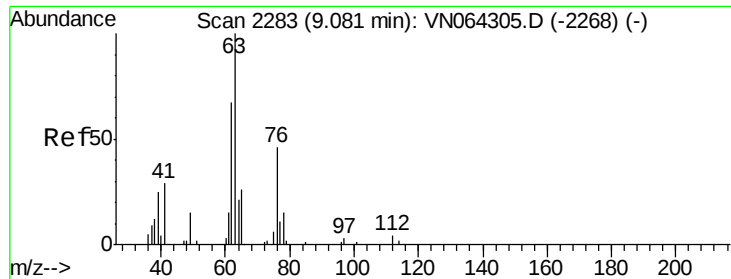
#38  
 Methylcyclohexane  
 Concen: 54.583 ug/l  
 RT: 9.05 min Scan# 2272  
 Delta R.T. -0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion: 83 Resp: 235752  
 Ion Ratio Lower Upper  
 83 100  
 55 79.7 40.3 120.8  
 98 45.0 22.8 68.3



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

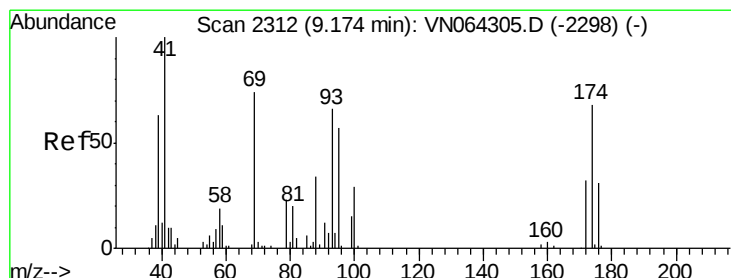
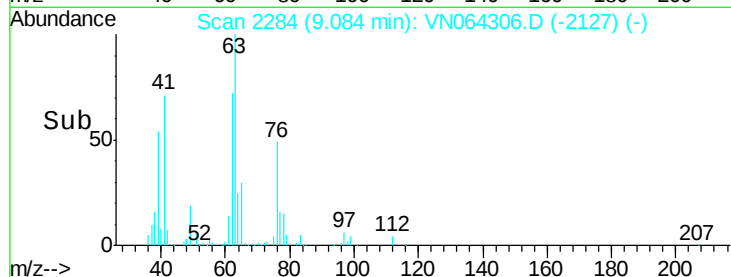
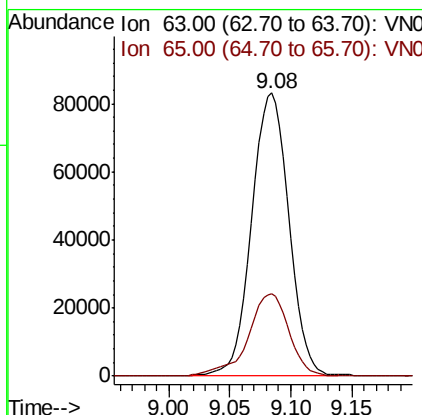
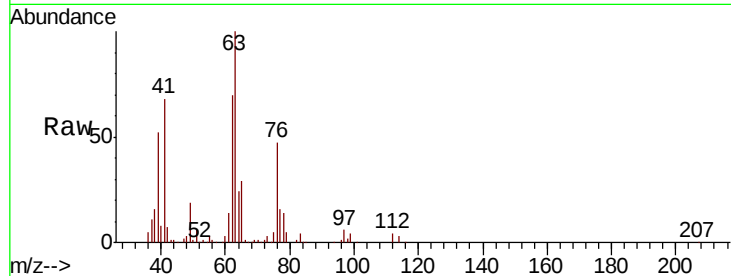




#39  
 1,2-Dichloropropane  
 Concen: 50.716 ug/l  
 RT: 9.08 min Scan# 2284  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

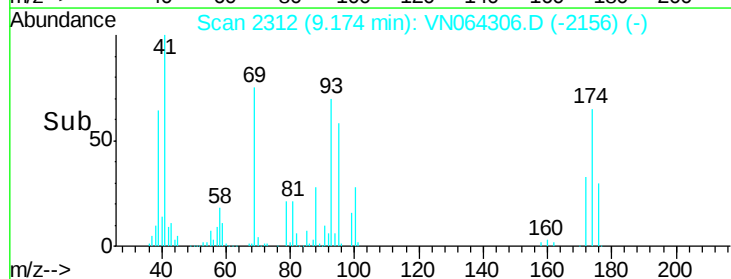
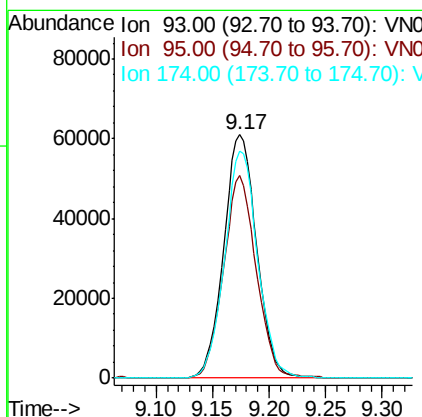
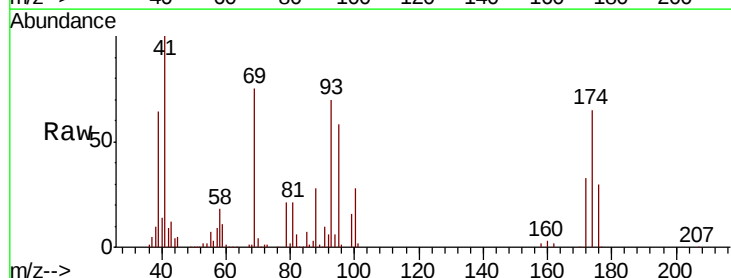
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

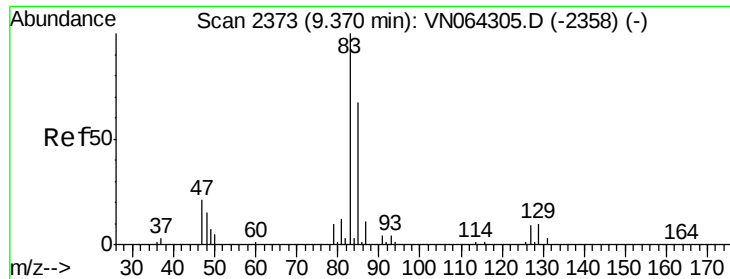
Tot Ion: 63 Resp: 175758  
 Ion Ratio Lower Upper  
 63 100  
 65 28.9 22.6 33.8



#40  
 Dibromomethane  
 Concen: 51.574 ug/l  
 RT: 9.17 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion: 93 Resp: 123671  
 Ion Ratio Lower Upper  
 93 100  
 95 82.5 0.0 174.4  
 174 93.4 0.0 188.0





#41

Bromodichloromethane

Concen: 51.026 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

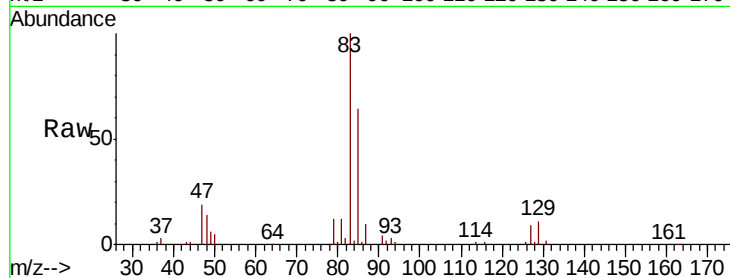
Tot Ion: 83 Resp: 264922

Ion Ratio Lower Upper

83 100

85 63.6 53.4 80.0

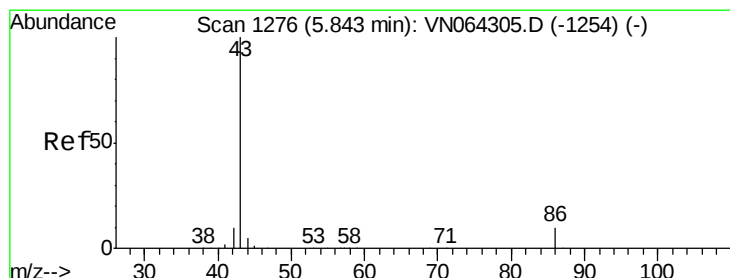
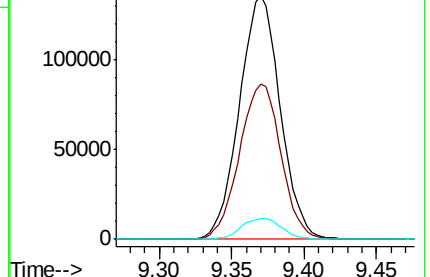
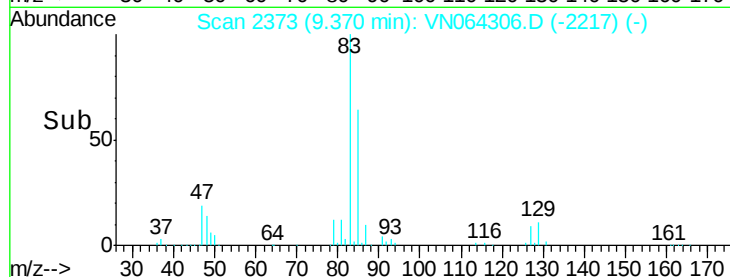
127 8.6 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN064306.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064306.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064306.D (-2217) (-)



#42

Vinyl Acetate

Concen: 264.274 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064306.D

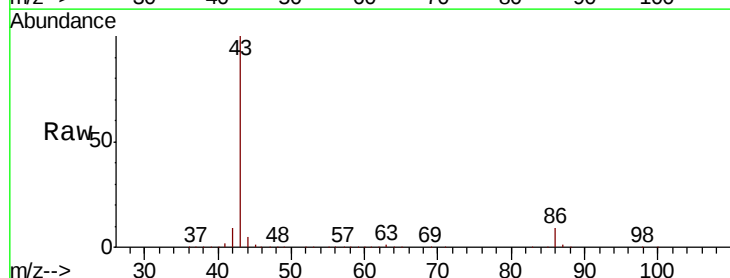
Acq: 26 Oct 2020 16:42

Tgt Ion: 43 Resp: 2441400

Ion Ratio Lower Upper

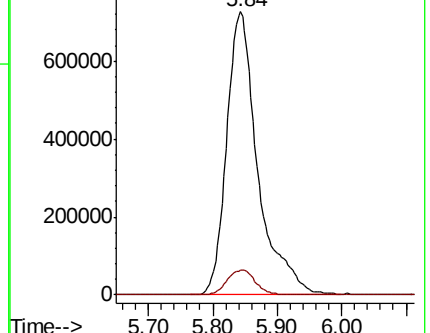
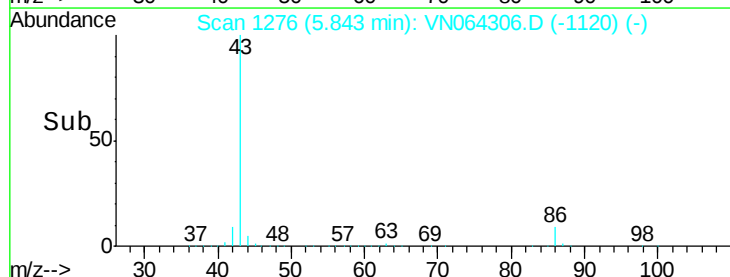
43 100

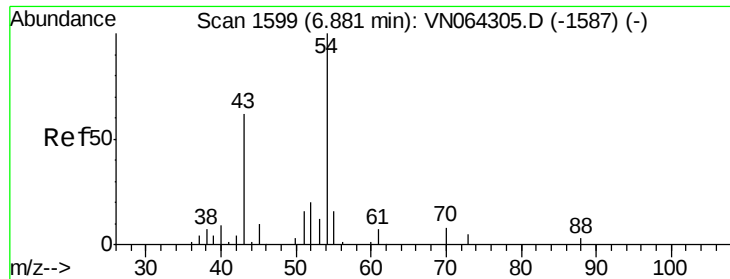
86 8.1 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN064306.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN064306.D (-1120) (-)





#43

Ethyl Acetate

Concen: 53.724 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

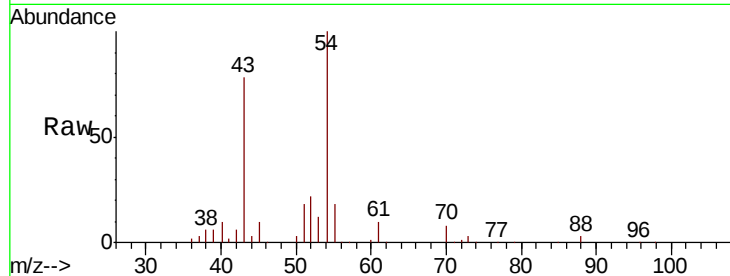
VSTDIC050

Tot Ion: 43 Resp: 238930

Ion Ratio Lower Upper

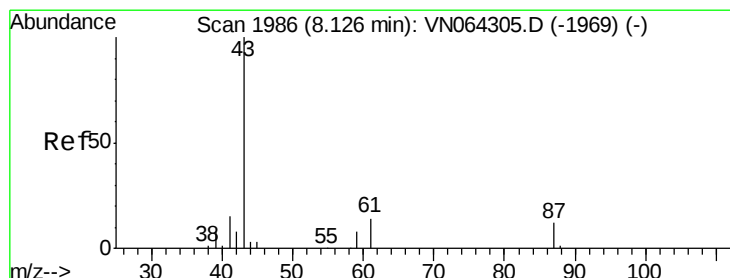
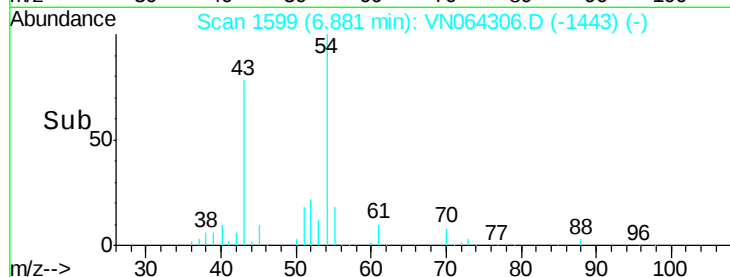
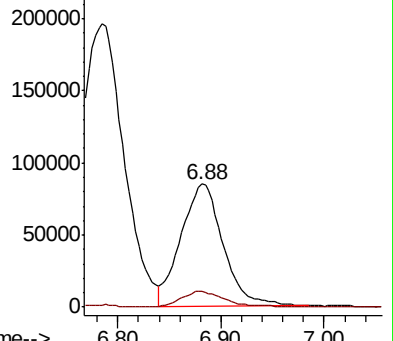
43 100

45 12.1 4.0 6.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 53.307 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064306.D

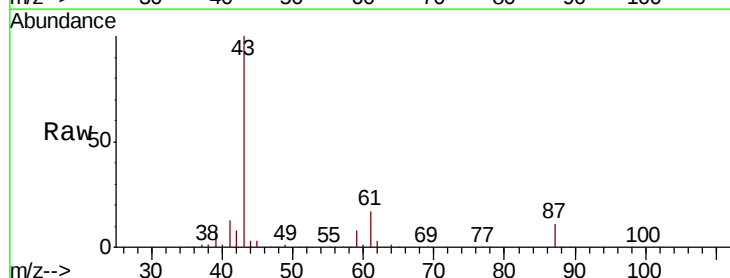
Acq: 26 Oct 2020 16:42

Tgt Ion: 43 Resp: 423648

Ion Ratio Lower Upper

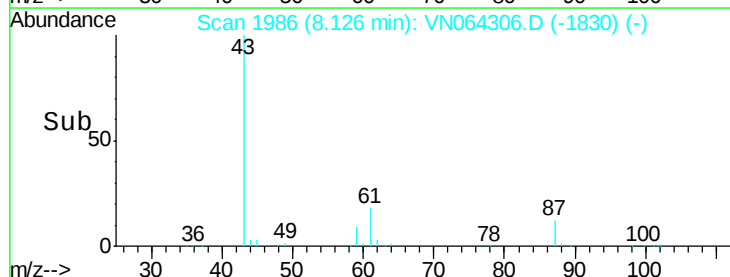
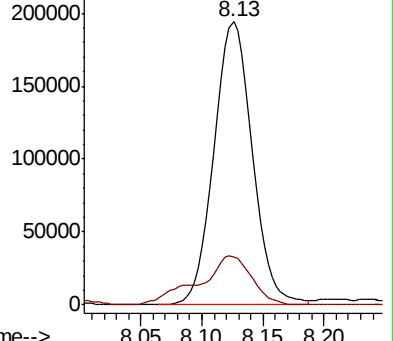
43 100

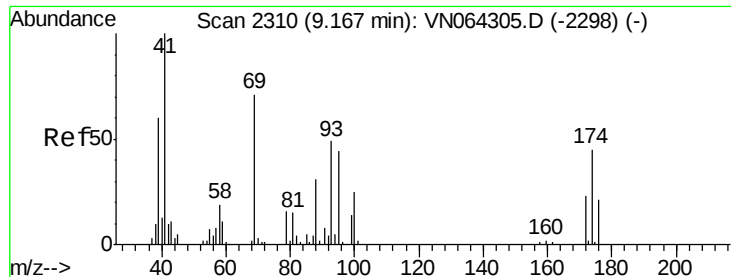
61 16.1 14.3 21.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

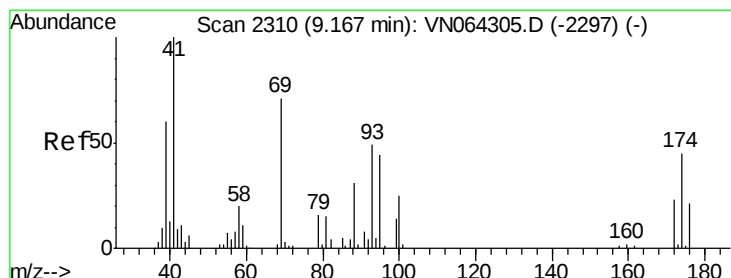
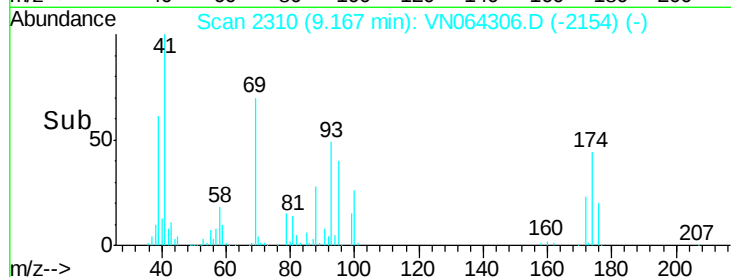
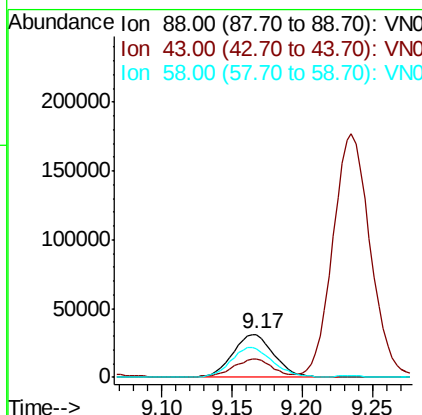
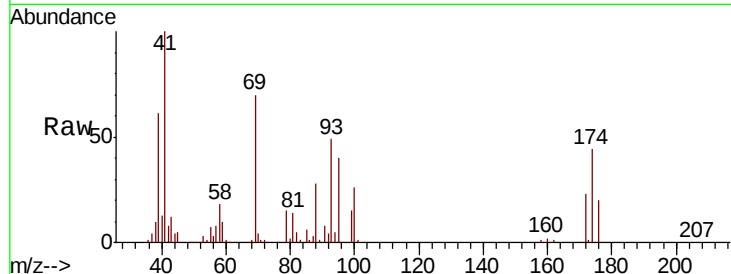




#45  
 1,4-Dioxane  
 Concen: 1255.664 ug/l  
 RT: 9.17 min Scan# 2310  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

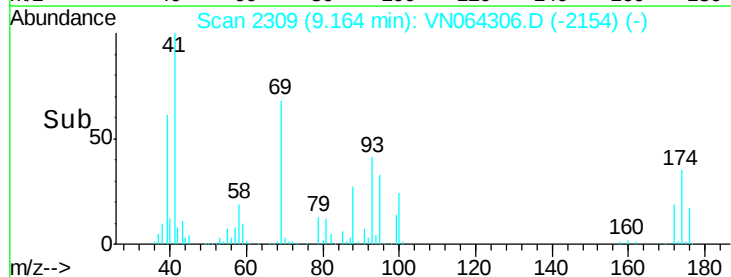
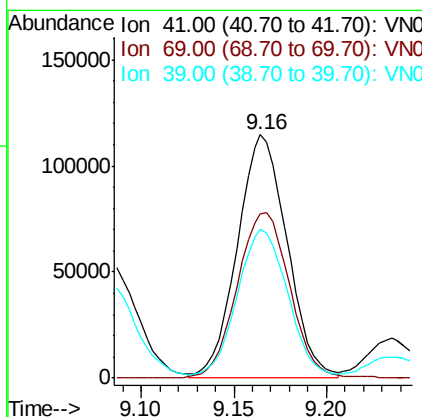
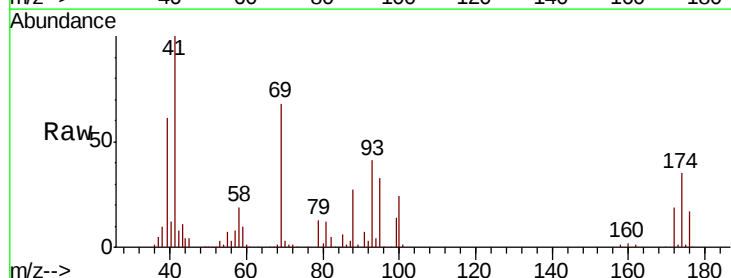
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

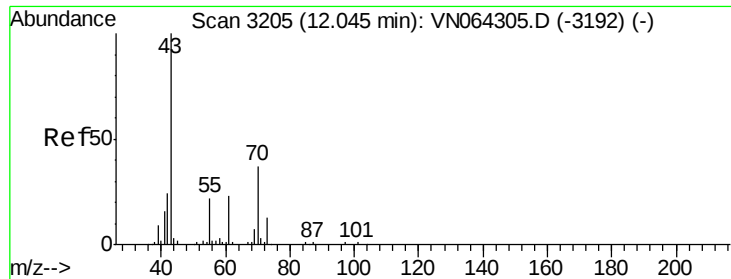
Tot Ion: 88 Resp: 64333  
 Ion Ratio Lower Upper  
 88 100  
 43 39.6 31.2 46.8  
 58 70.5 55.4 83.2



#46  
 Methyl methacrylate  
 Concen: 55.144 ug/l  
 RT: 9.16 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion: 41 Resp: 213030  
 Ion Ratio Lower Upper  
 41 100  
 69 68.0 35.3 105.9  
 39 60.9 30.2 90.6

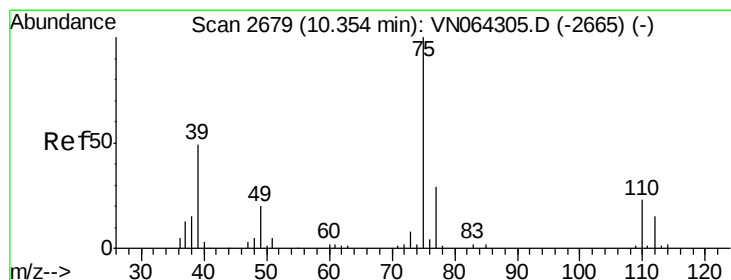
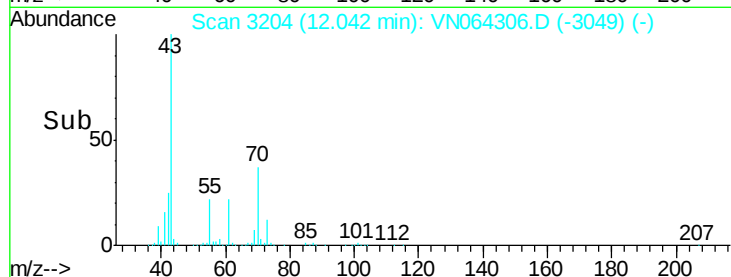
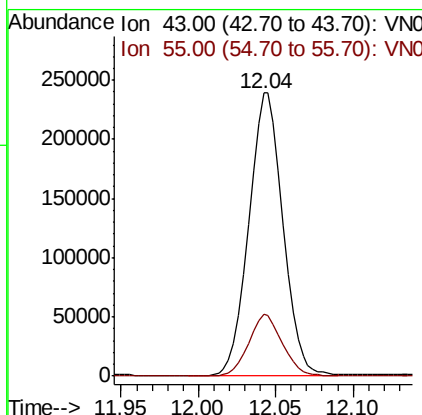
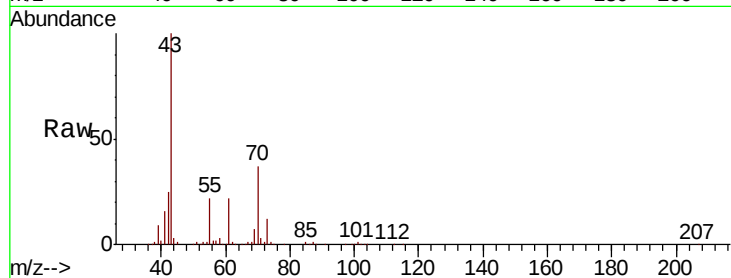




#47  
n-amvl Acetate  
Concen: 53.422 ug/l  
RT: 12.04 min Scan# 3204  
Delta R.T. -0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

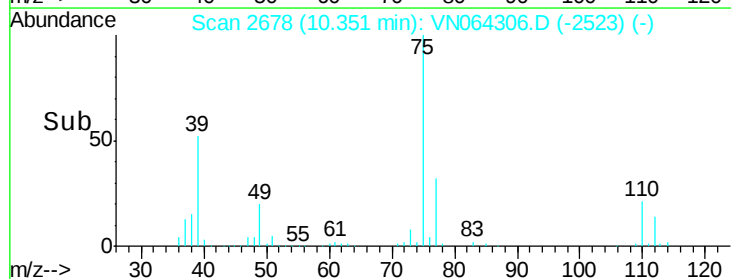
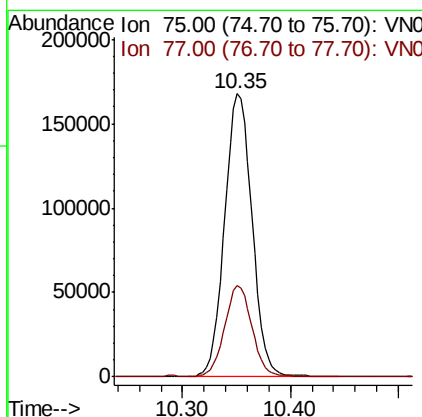
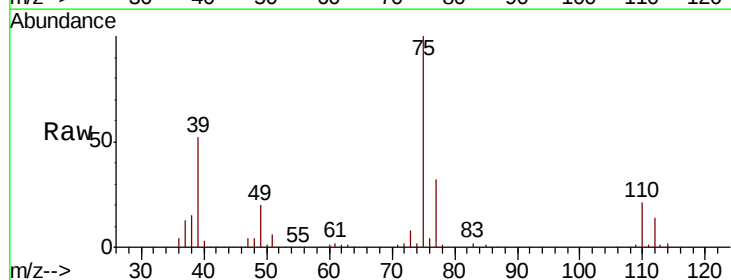
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC050

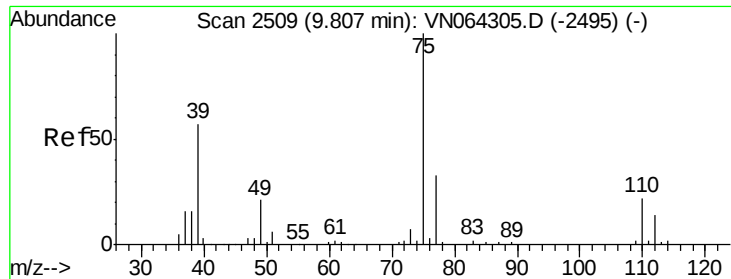
Tot Ion: 43 Resp: 367697  
Ion Ratio Lower Upper  
43 100  
55 21.7 17.3 25.9



#48  
t-1,3-Dichloropropene  
Concen: 50.995 ug/l  
RT: 10.35 min Scan# 2678  
Delta R.T. -0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion: 75 Resp: 297530  
Ion Ratio Lower Upper  
75 100  
77 32.0 23.7 35.5



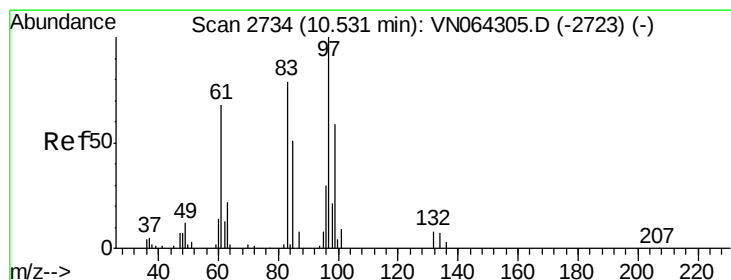
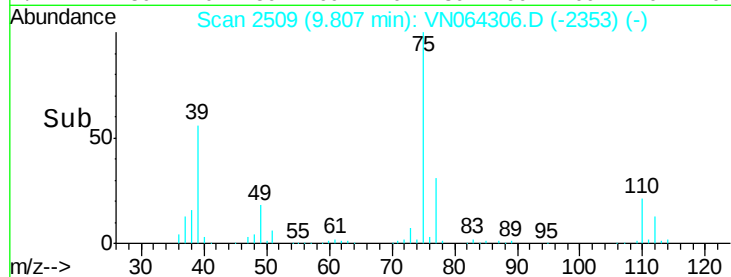
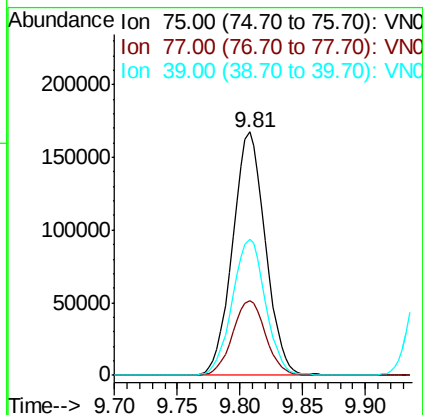
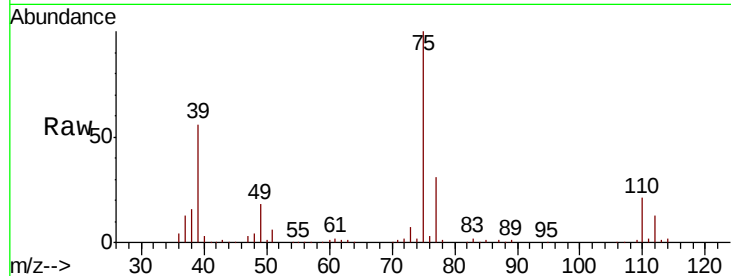


#49

cis-1,3-Dichloropropene  
Concen: 50.519 ug/l  
RT: 9.81 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

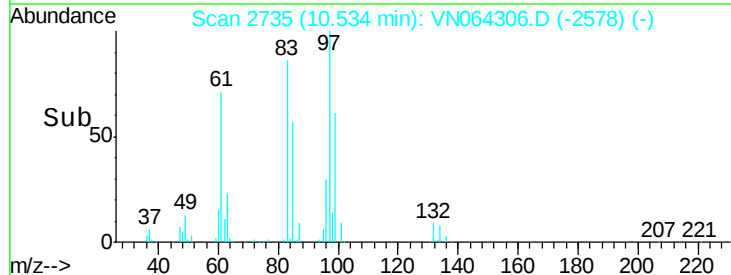
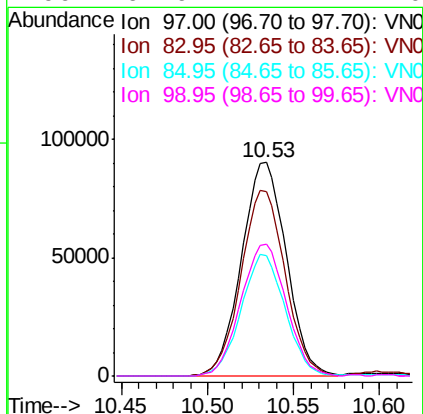
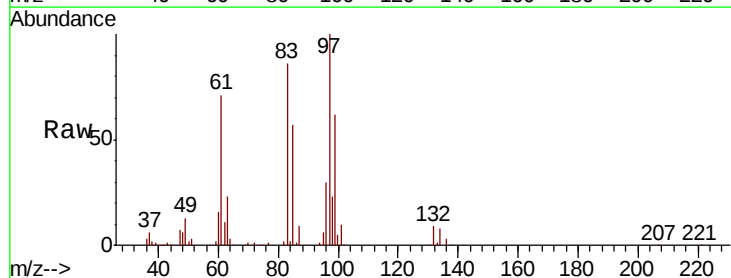
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.6  | 26.7  | 40.1  |
| 39      | 55.7  | 45.9  | 68.9  |

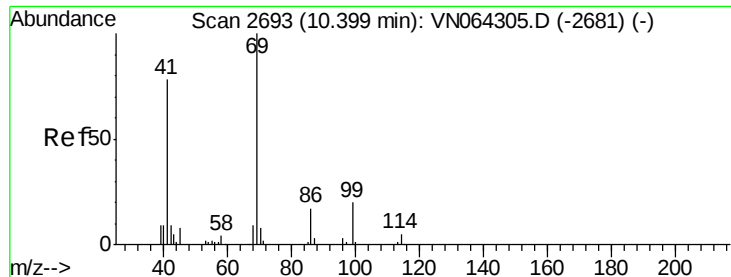


#50

1,1,2-Trichloroethane  
Concen: 50.823 ug/l  
RT: 10.53 min Scan# 2735  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 86.3  | 63.2  | 94.8  |
| 85      | 56.6  | 41.0  | 61.6  |
| 99      | 61.9  | 47.4  | 71.0  |





#51

Ethyl methacrylate

Concen: 52.513 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

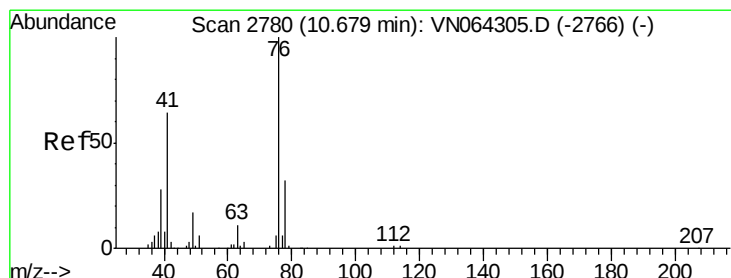
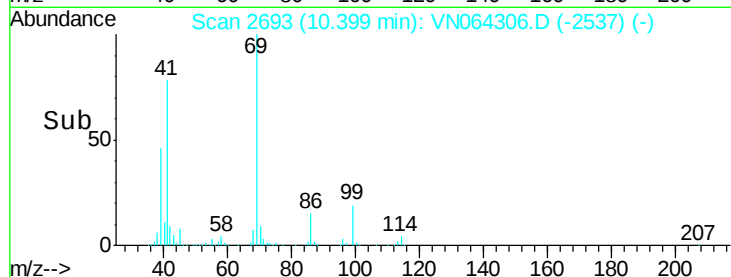
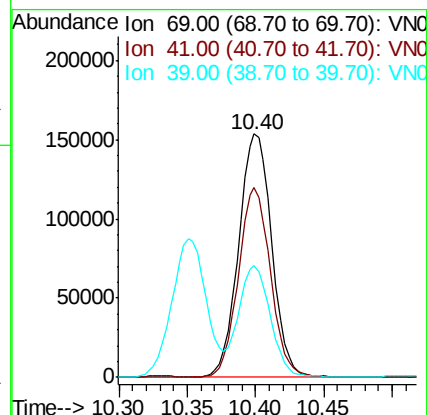
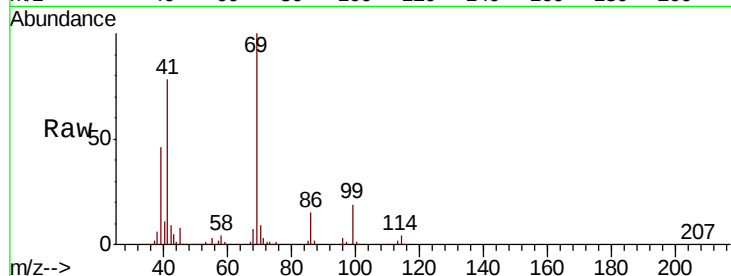
MSVOA\_N

ClientSampleId :

VSTDIC050

Tot Ion: 69 Resp: 259087

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 77.8  | 38.8  | 116.4 |
| 39  | 45.6  | 24.6  | 74.0  |



#52

1,3-Dichloropropane

Concen: 50.926 ug/l

RT: 10.68 min Scan# 2780

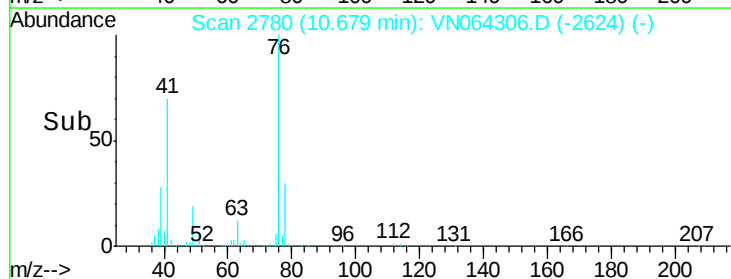
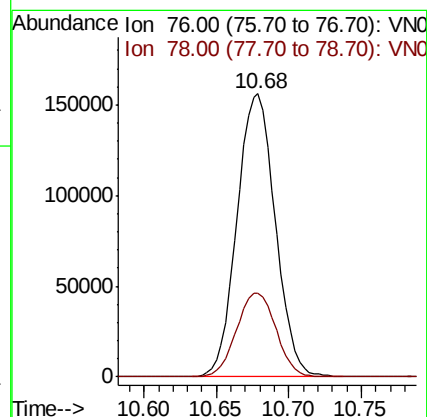
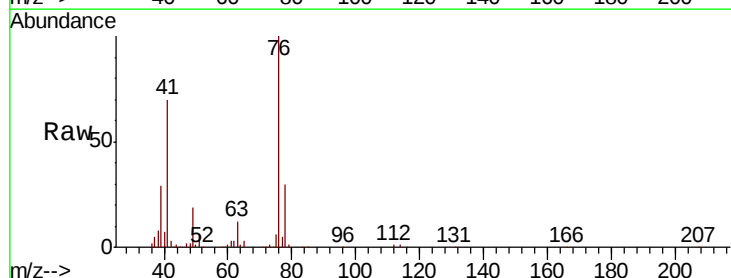
Delta R.T. 0.00 min

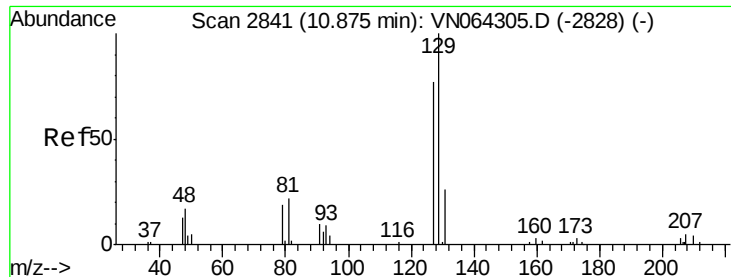
Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Tgt Ion: 76 Resp: 286812

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 30.5  | 0.0   | 61.6  |

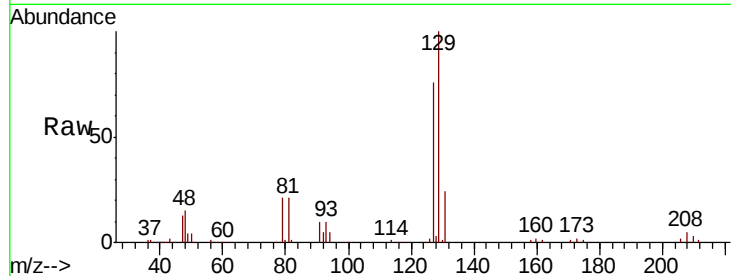




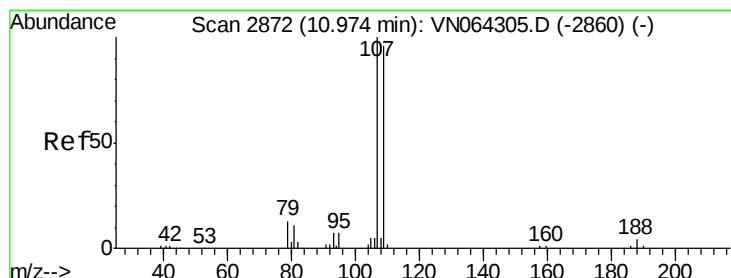
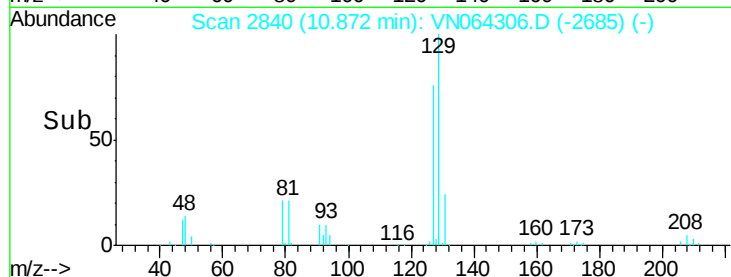
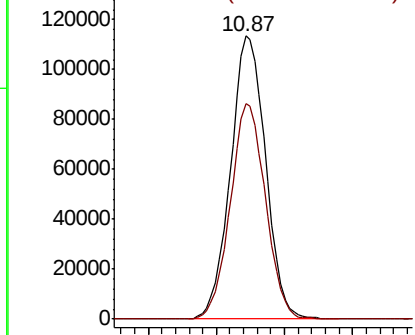
#53  
Dibromochloromethane  
Concen: 50.973 ug/l  
RT: 10.87 min Scan# 2840  
Delta R.T. -0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

Tot Ion:129 Resp: 202474  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.9 116.7

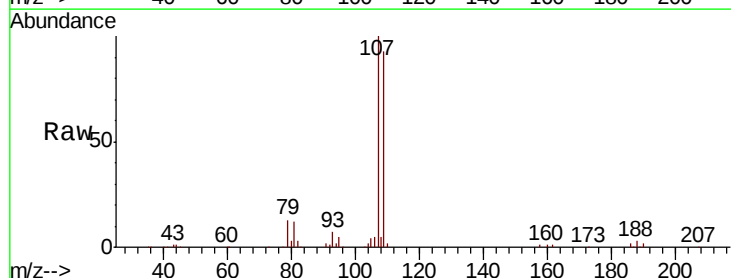


Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V

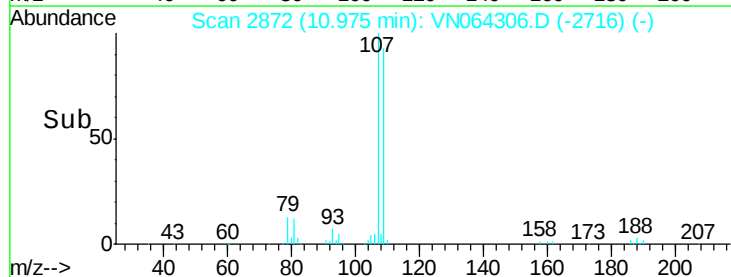
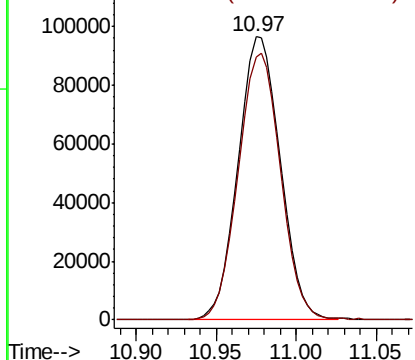


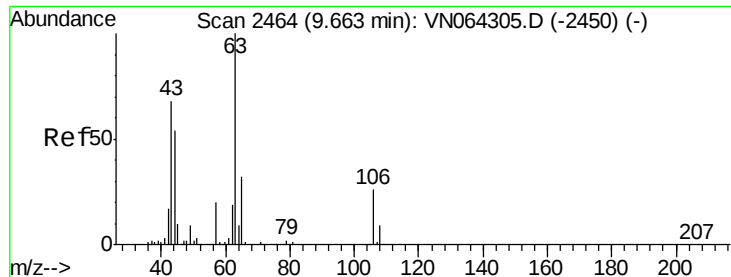
#54  
1,2-Dibromoethane  
Concen: 50.692 ug/l  
RT: 10.97 min Scan# 2872  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion:107 Resp: 173738  
Ion Ratio Lower Upper  
107 100  
109 94.4 74.8 112.2



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: 258.379 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

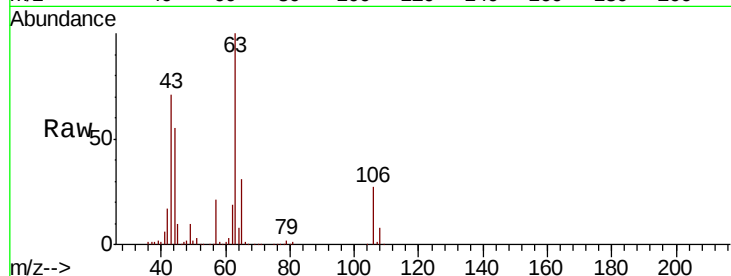
Tot Ion: 63 Resp: 663653

Ion Ratio Lower Upper

63 100

65 31.4 25.6 38.4

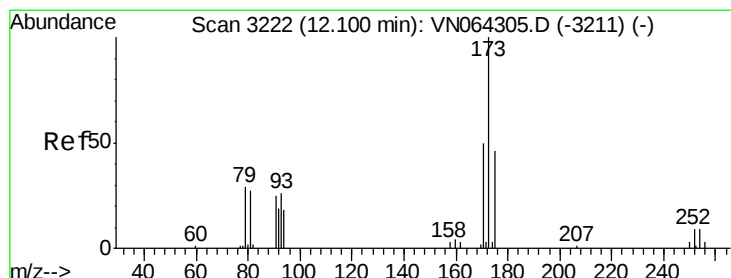
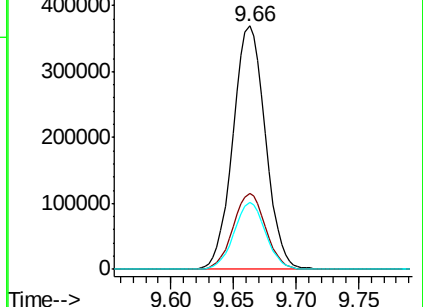
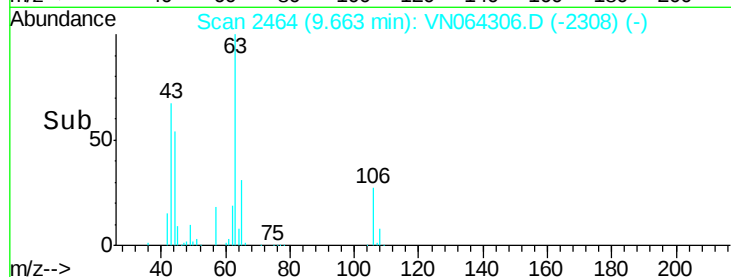
106 26.7 20.7 31.1



Abundance Ion 63.00 (62.70 to 63.70): VN064306.D (-2308) (-)

Ion 65.00 (64.70 to 65.70): VN064306.D (-2308) (-)

Ion 106.00 (105.70 to 106.70): VN064306.D (-2308) (-)



#56

Bromoform

Concen: 50.664 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

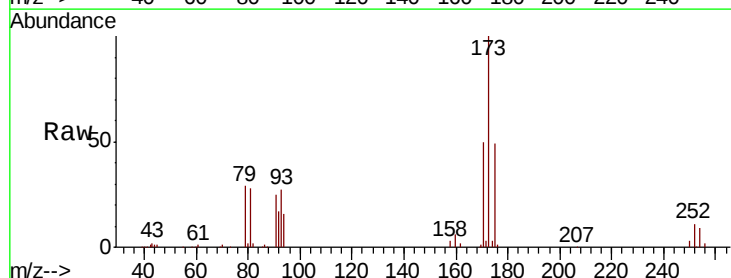
Tgt Ion: 173 Resp: 143756

Ion Ratio Lower Upper

173 100

175 48.8 37.3 55.9

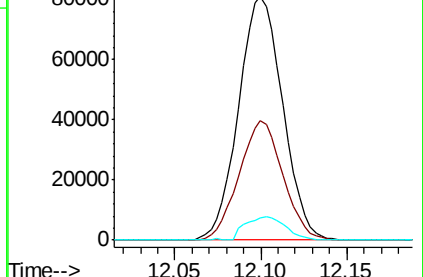
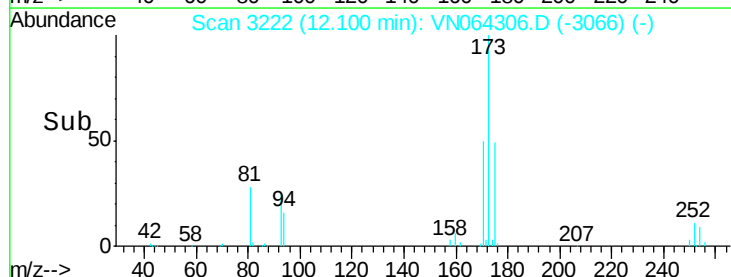
254 8.7 4.8 7.2#

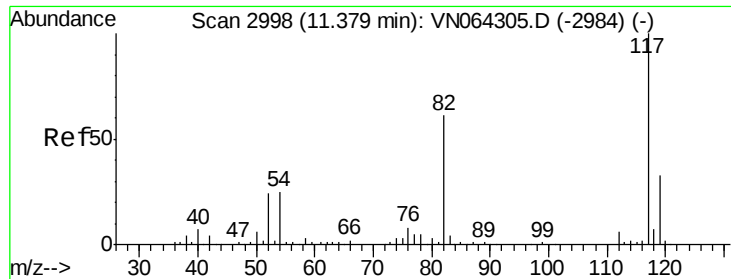


Abundance Ion 173.00 (172.70 to 173.70): VN064306.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN064306.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN064306.D (-3066) (-)

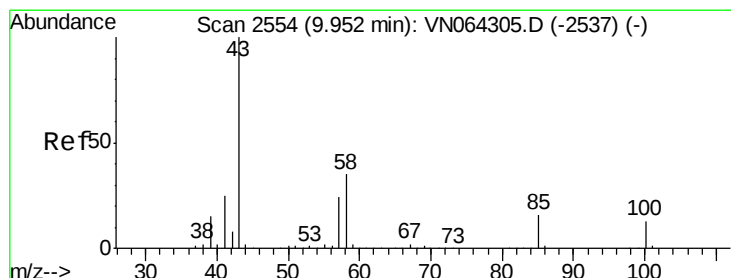
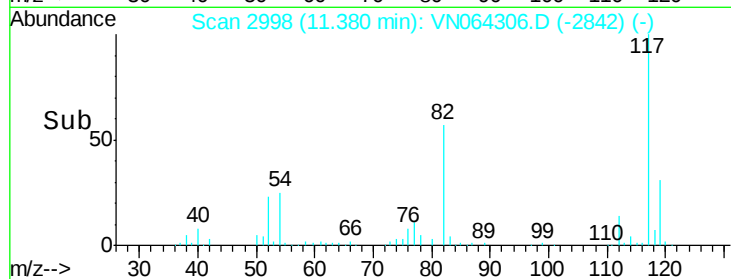
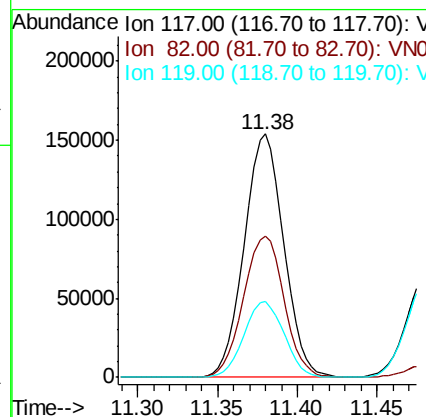
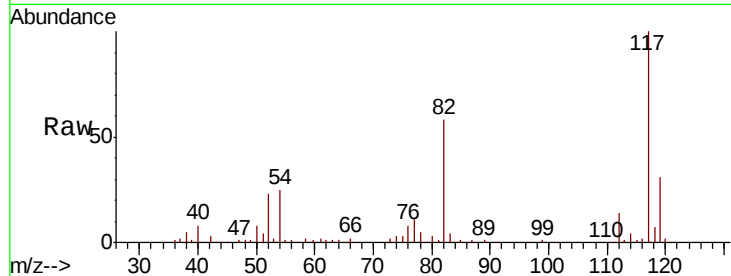




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

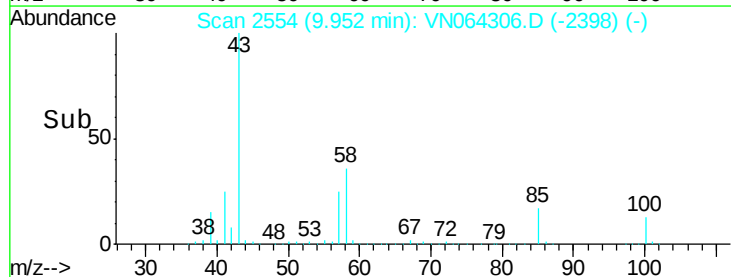
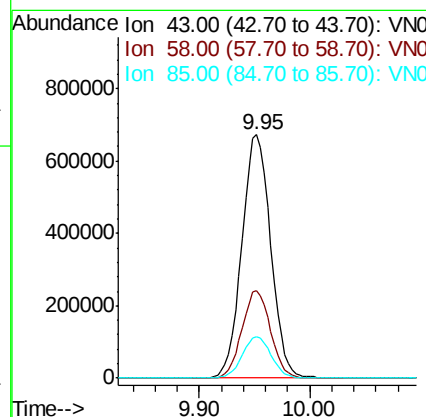
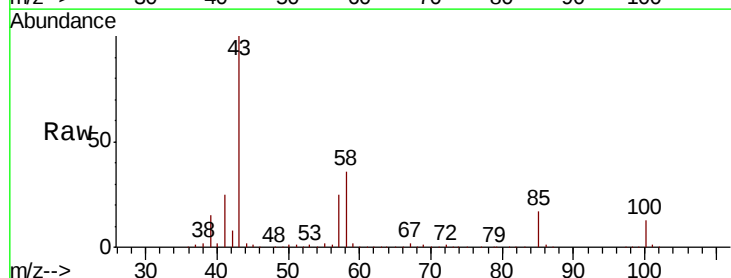
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

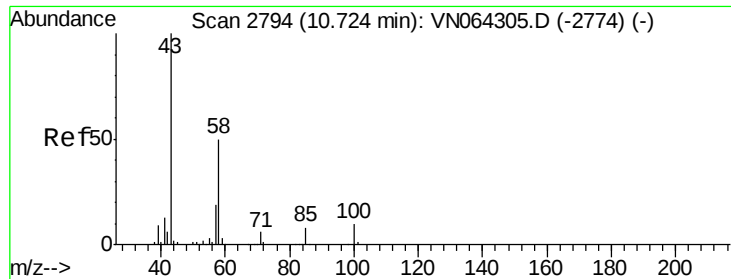
Tot Ion:117 Resp: 259393  
Ion Ratio Lower Upper  
117 100  
82 59.8 48.7 73.1  
119 31.6 25.1 37.7



#58  
4-Methyl-2-Pentanone  
Concen: 271.818 ug/l  
RT: 9.95 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion: 43 Resp: 1215277  
Ion Ratio Lower Upper  
43 100  
58 35.7 28.7 43.1  
85 16.9 13.4 20.2

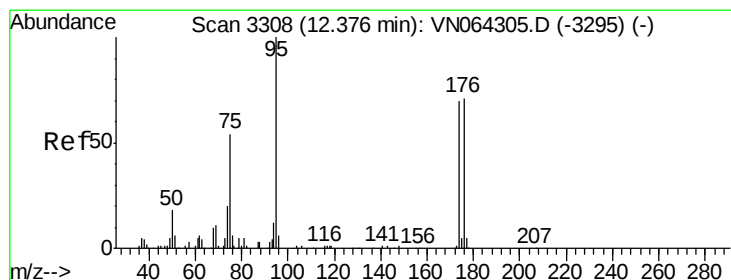
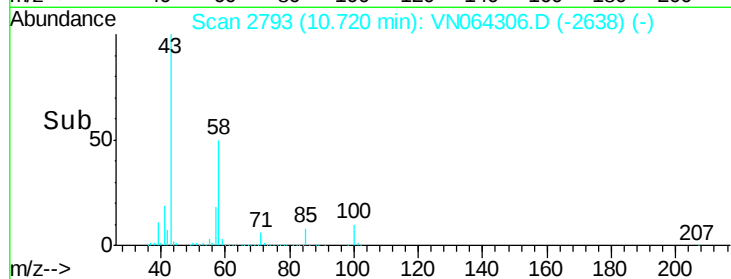
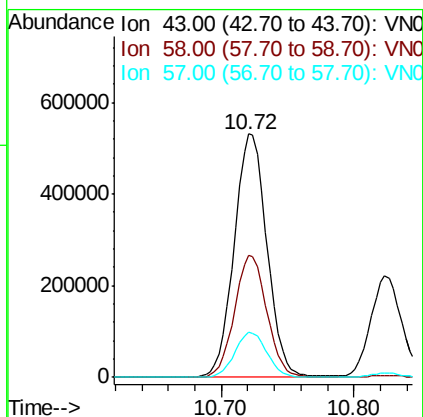
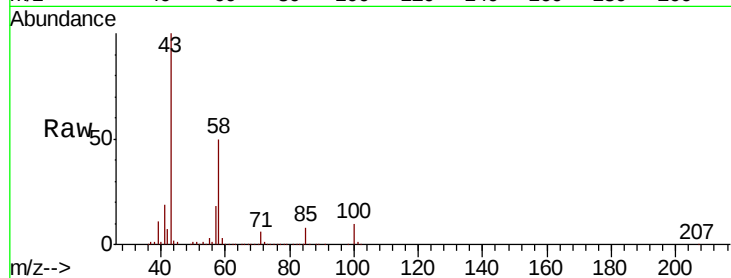




#59  
2-Hexanone  
Concen: 270.254 ug/l  
RT: 10.72 min Scan# 2793  
Delta R.T. -0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

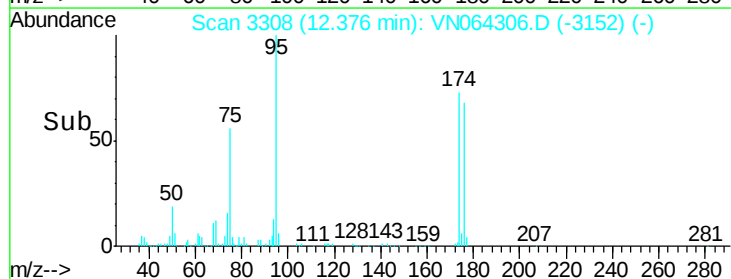
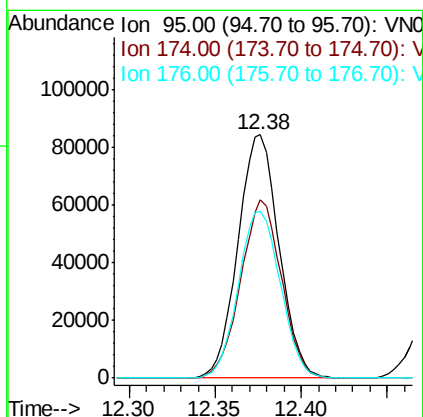
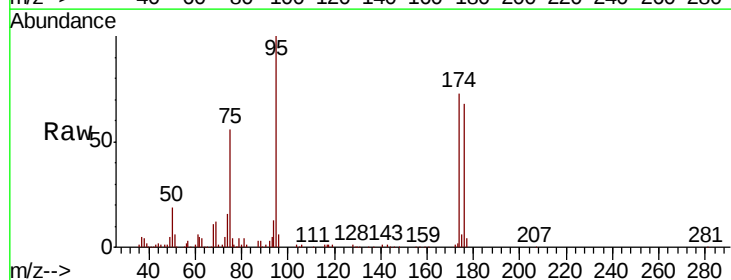
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

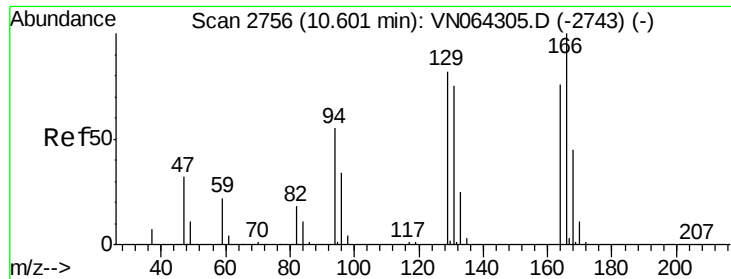
Tot Ion: 43 Resp: 909495  
Ion Ratio Lower Upper  
43 100  
58 49.6 39.4 59.2  
57 18.2 14.8 22.2



#60  
4-Bromofluorobenzene  
Concen: 30.335 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion: 95 Resp: 140023  
Ion Ratio Lower Upper  
95 100  
174 72.6 57.6 86.4  
176 70.3 55.5 83.3





#61

Tetrachloroethene

Concen: 49.410 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 173698

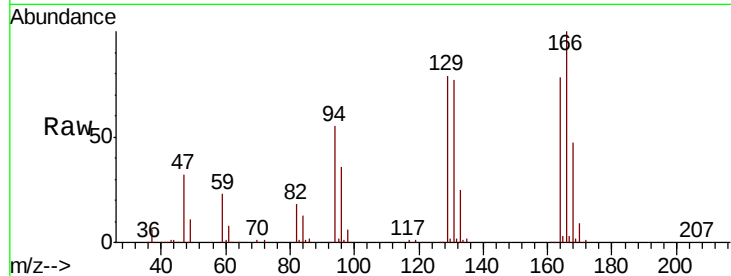
Ion Ratio Lower Upper

164 100

166 128.5 105.4 158.0

129 101.1 86.4 129.6

131 98.7 78.5 117.7

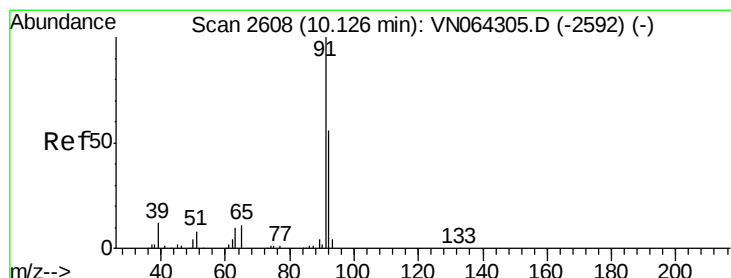
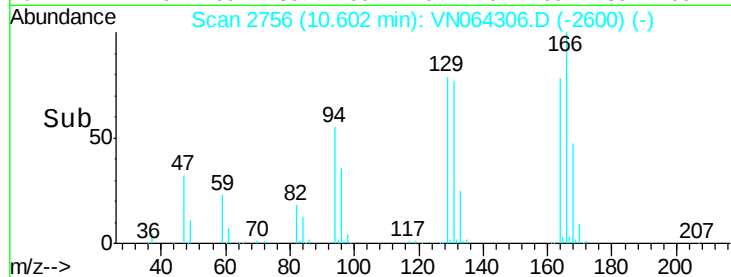
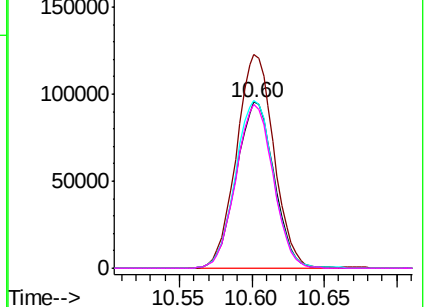


Abundance Ion 163.85 (163.55 to 164.55): V

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: 49.380 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064306.D

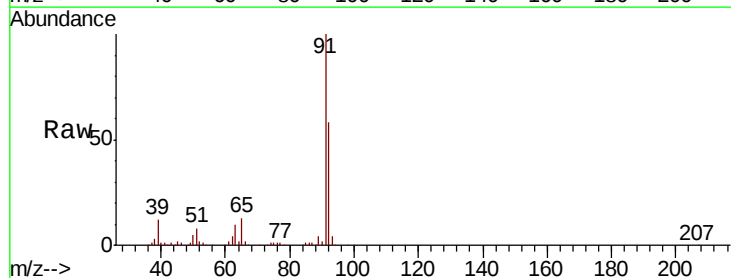
Acq: 26 Oct 2020 16:42

Tgt Ion: 91 Resp: 716293

Ion Ratio Lower Upper

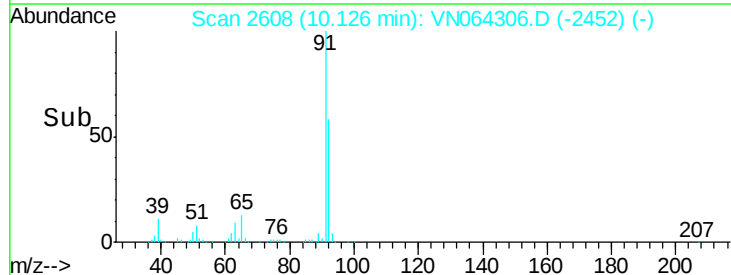
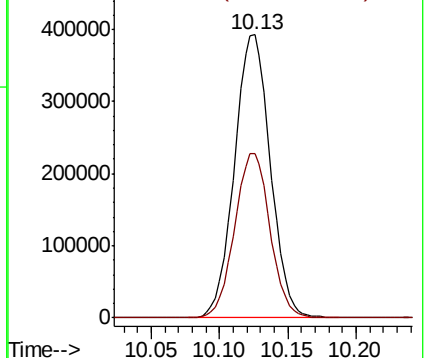
91 100

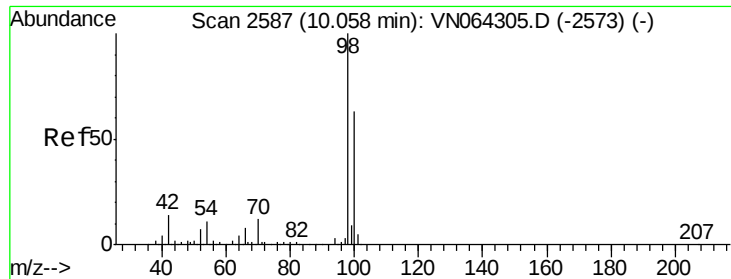
92 57.3 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.425 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

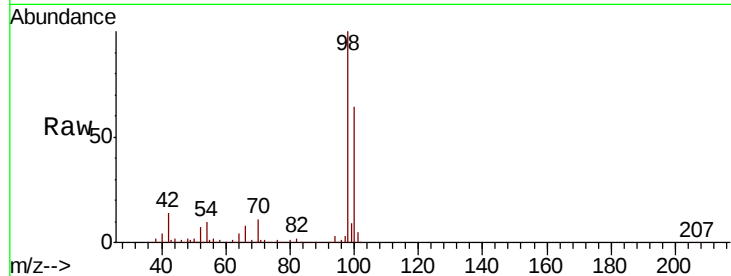
VSTDIC050

Tot Ion: 98 Resp: 352169

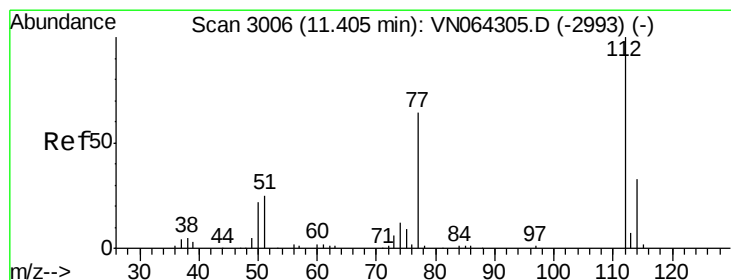
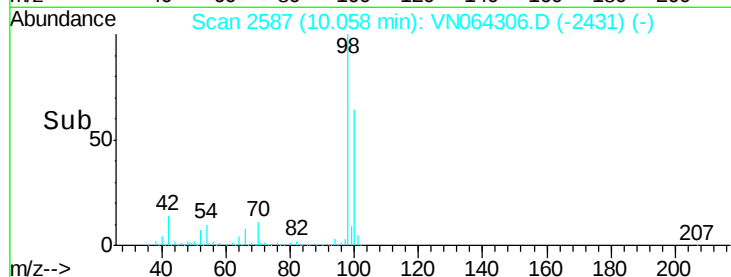
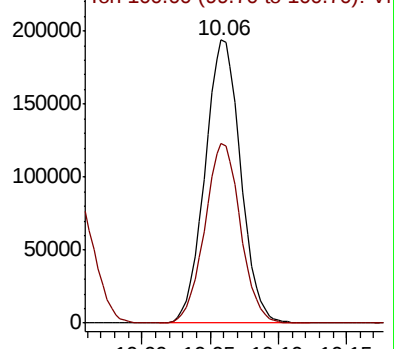
Ion Ratio Lower Upper

98 100

100 63.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN064305.D (-2573) (-)



#64

Chlorobenzene

Concen: 49.887 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064306.D

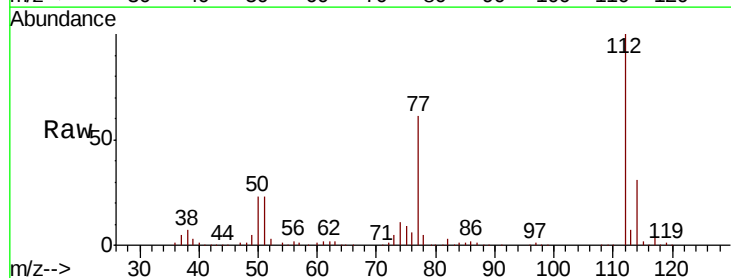
Acq: 26 Oct 2020 16:42

Tgt Ion: 112 Resp: 446751

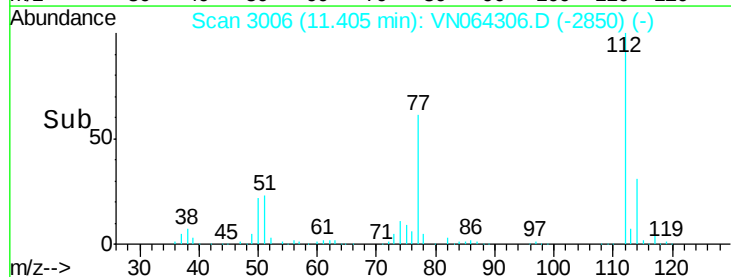
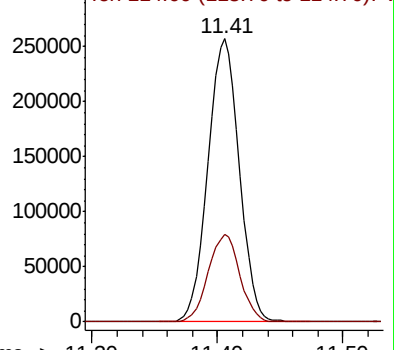
Ion Ratio Lower Upper

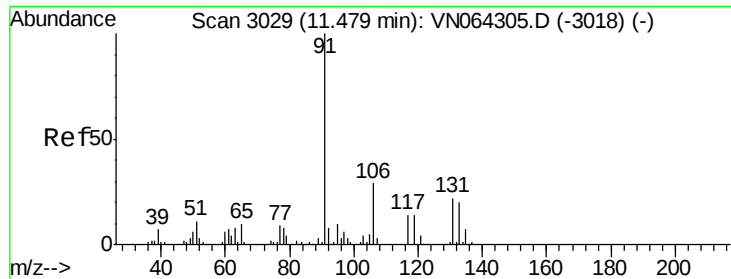
112 100

114 30.7 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): VN064305.D (-2993) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 50.263 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC050

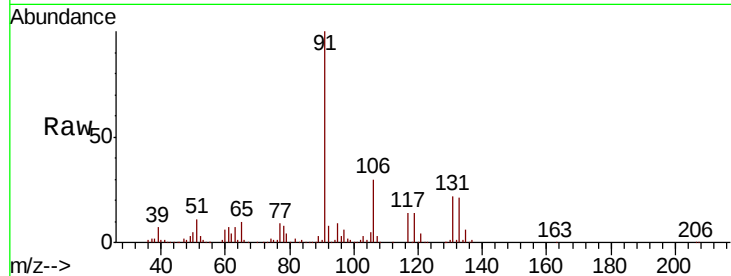
Tot Ion:131 Resp: 180687

Ion Ratio Lower Upper

131 100

133 95.4 0.0 183.0

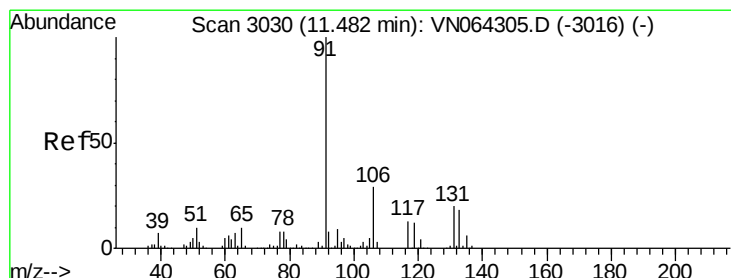
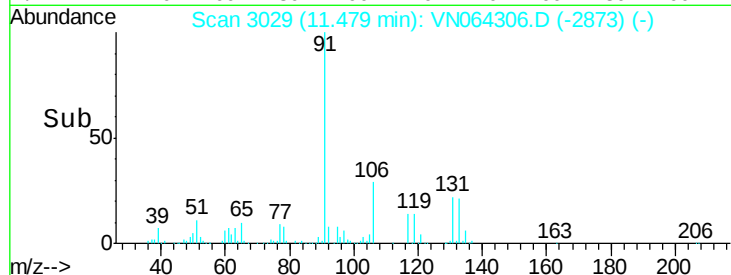
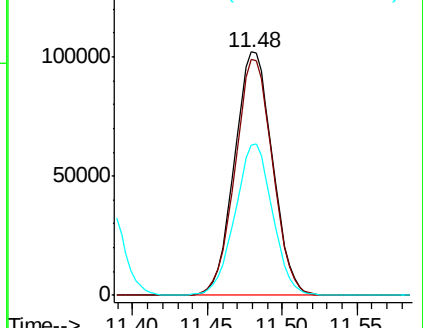
119 61.3 0.0 121.6



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: 49.077 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064306.D

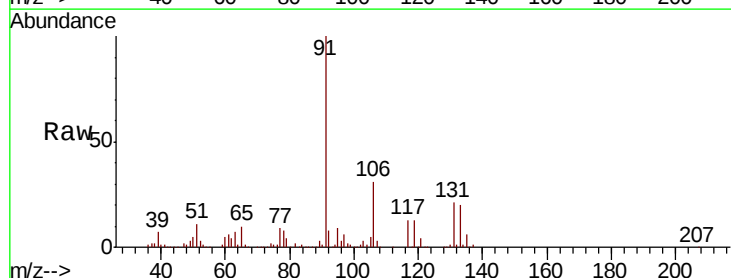
Acq: 26 Oct 2020 16:42

Tgt Ion: 91 Resp: 819529

Ion Ratio Lower Upper

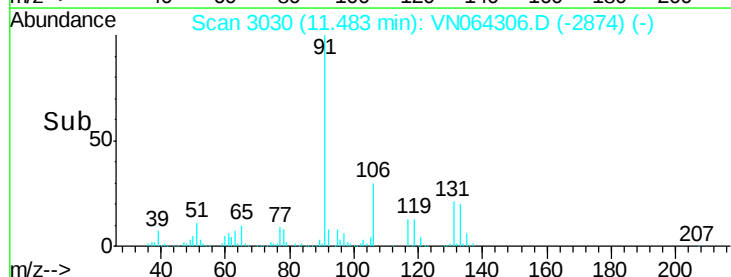
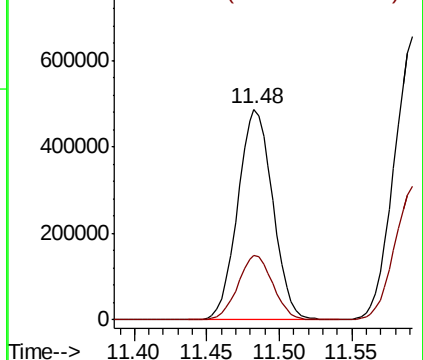
91 100

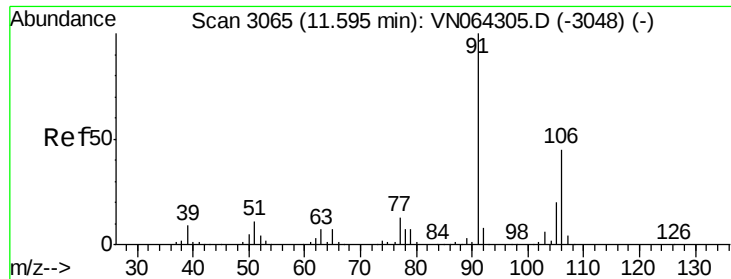
106 30.9 22.8 34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

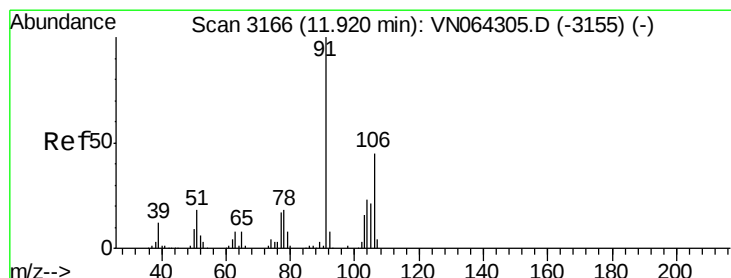
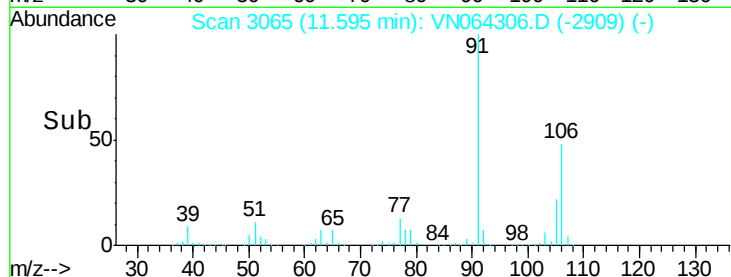
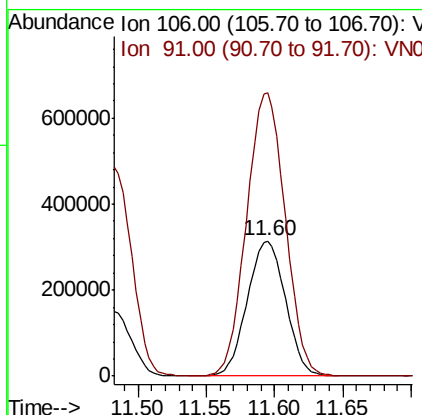
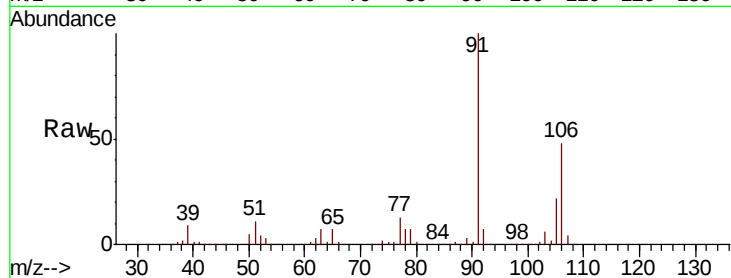




#67  
m/p-Xylenes  
Concen: 99.258 ug/l  
RT: 11.60 min Scan# 3065  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

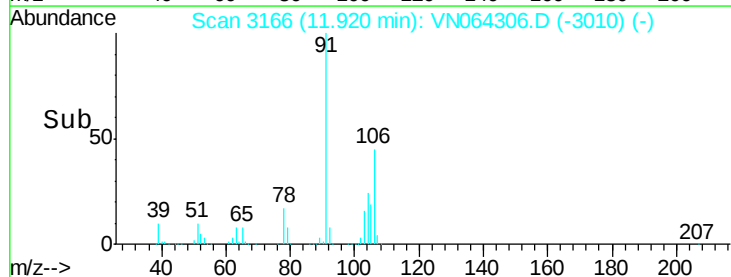
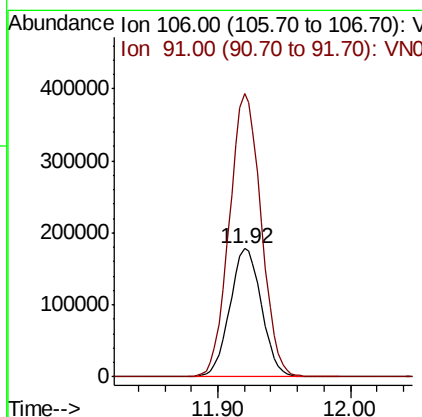
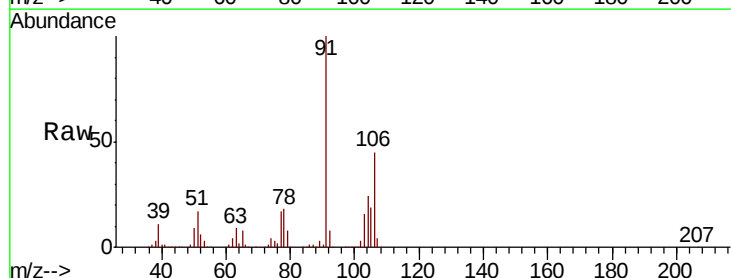
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

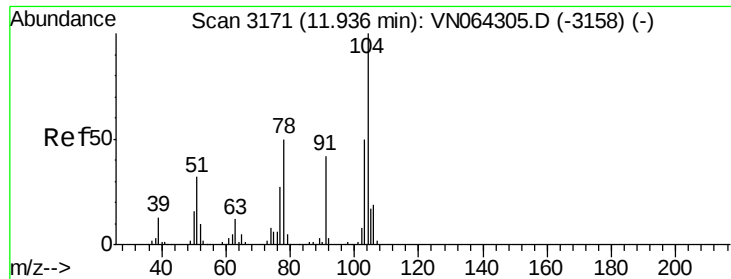
Tot Ion:106 Resp: 609823  
Ion Ratio Lower Upper  
106 100  
91 211.5 176.2 264.2



#68  
o-Xylene  
Concen: 49.453 ug/l  
RT: 11.92 min Scan# 3166  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion:106 Resp: 295272  
Ion Ratio Lower Upper  
106 100  
91 222.0 112.9 338.6

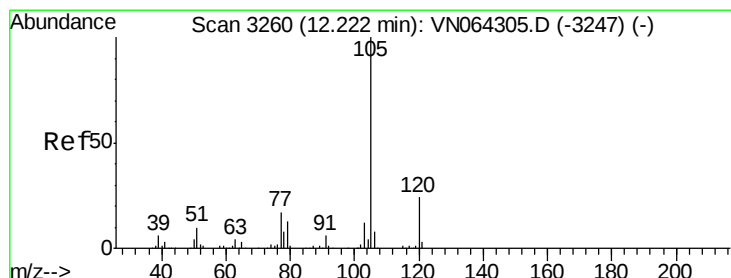
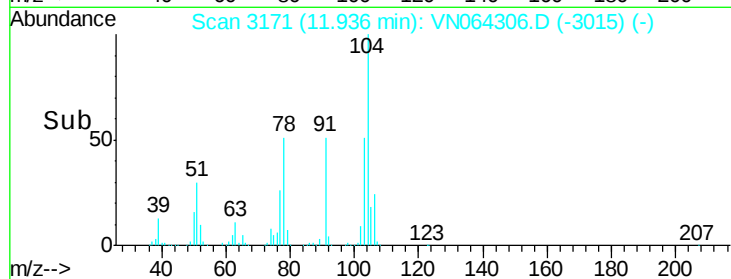
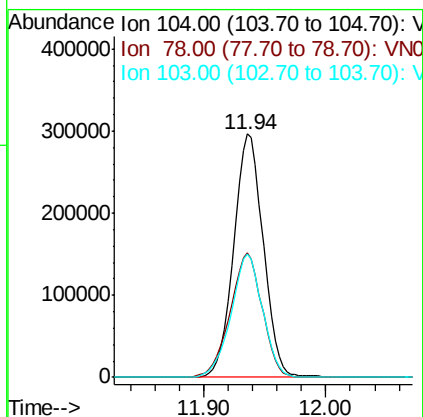
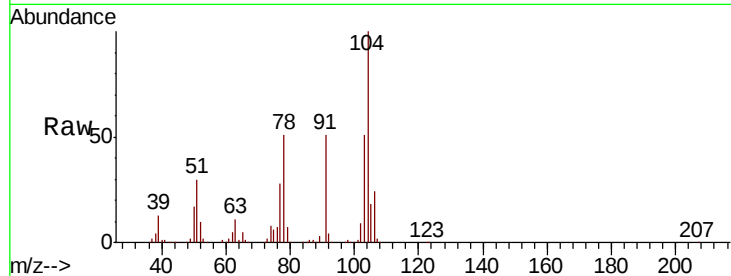




#69  
Stvrene  
Concen: 49.935 ug/l  
RT: 11.94 min Scan# 3171  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

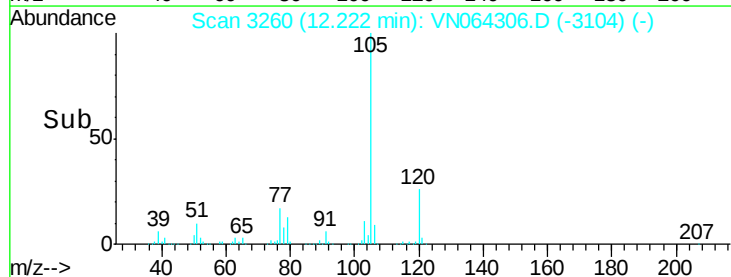
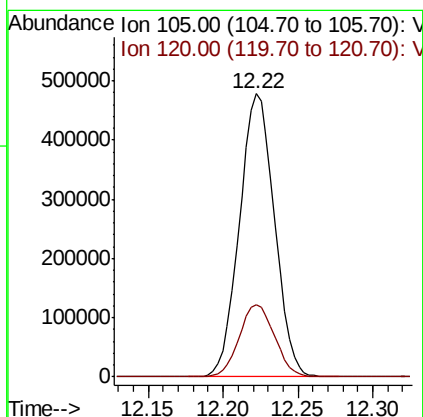
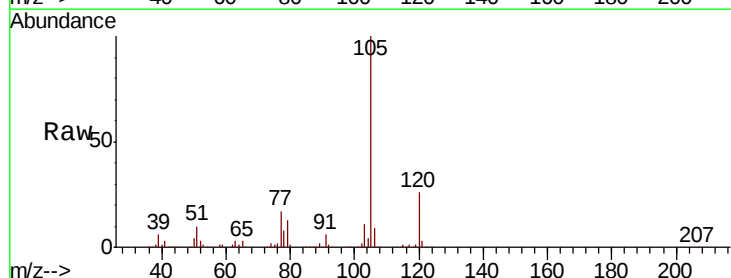
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

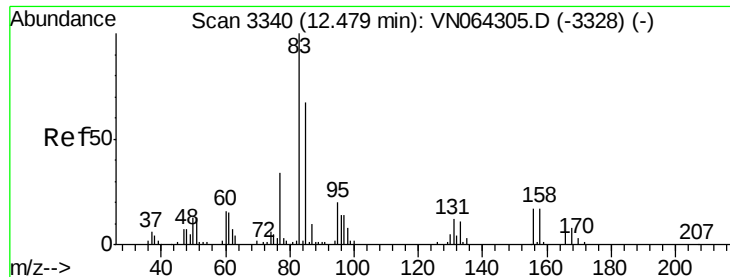
Tot Ion:104 Resp: 498026  
Ion Ratio Lower Upper  
104 100  
78 55.6 46.3 69.5  
103 53.8 44.2 66.2



#70  
Isopropylbenzene  
Concen: 49.182 ug/l  
RT: 12.22 min Scan# 3260  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion:105 Resp: 779498  
Ion Ratio Lower Upper  
105 100  
120 25.8 17.4 32.2

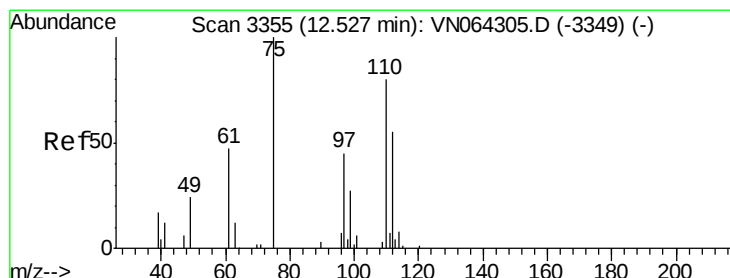
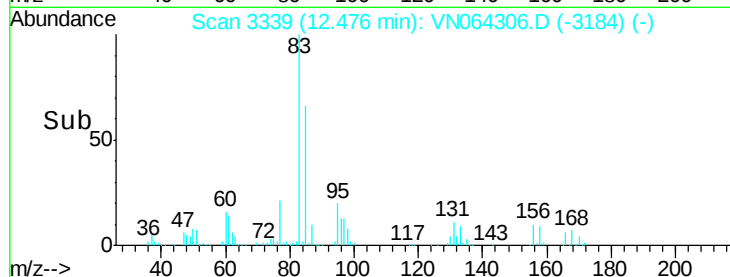
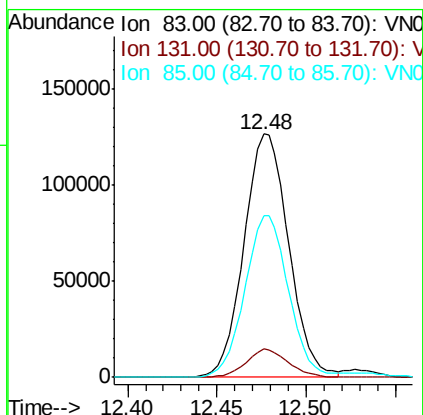
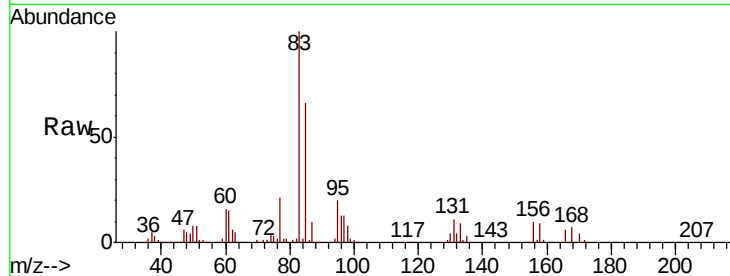




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 51.263 ug/l  
 RT: 12.48 min Scan# 3339  
 Delta R.T. -0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

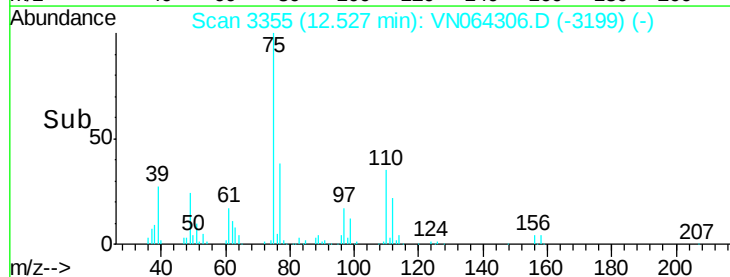
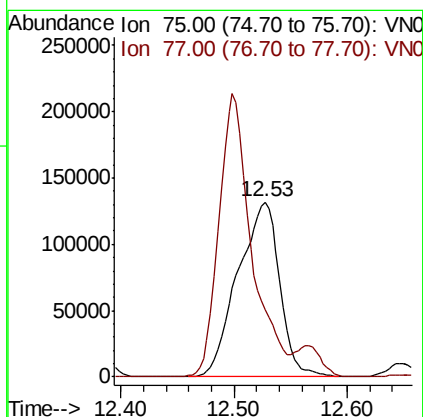
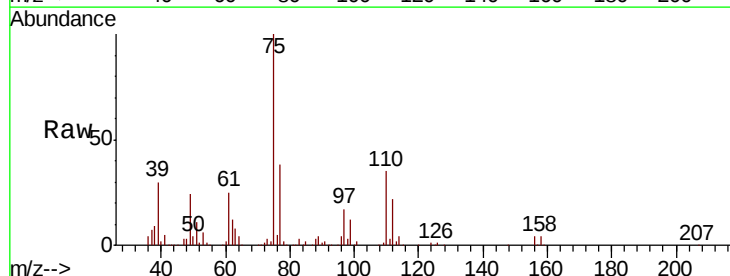
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

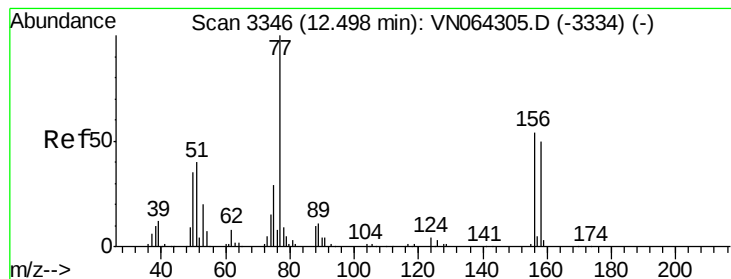
Tot Ion: 83 Resp: 222598  
 Ion Ratio Lower Upper  
 83 100  
 131 10.9 6.0 18.0  
 85 64.6 32.0 96.0



#72  
 1,2,3-Trichloropropane  
 Concen: 74.357 ug/l  
 RT: 12.53 min Scan# 3355  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion: 75 Resp: 339609  
 Ion Ratio Lower Upper  
 75 100  
 77 126.6 0.0 340.8





#73

Bromobenzene

Concen: 49.933 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC050

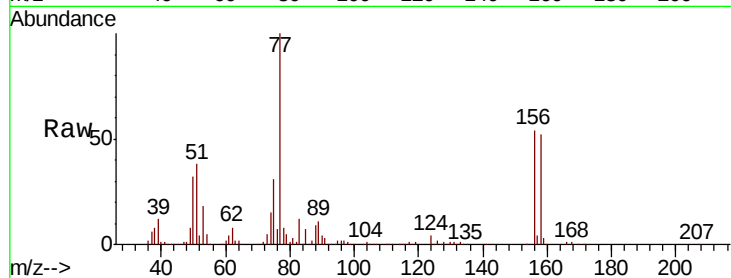
Tot Ion:156 Resp: 192814

Ion Ratio Lower Upper

156 100

77 223.0 0.0 449.2

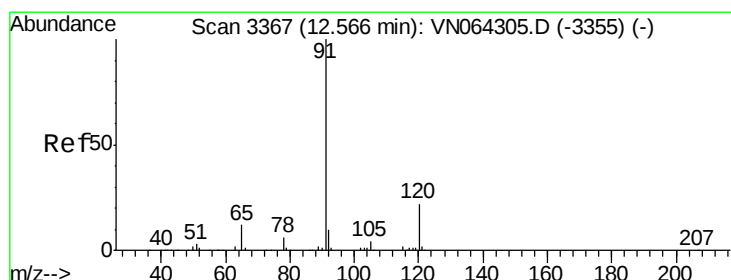
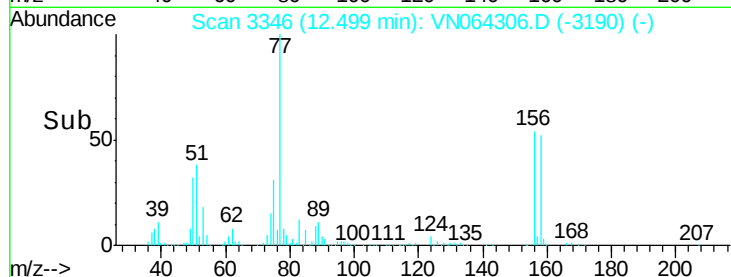
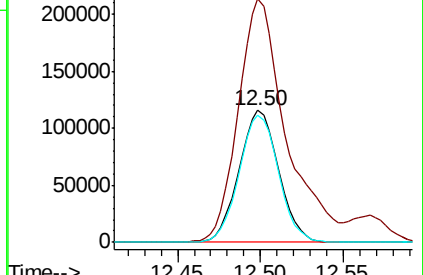
158 96.1 0.0 191.0



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: 49.388 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064306.D

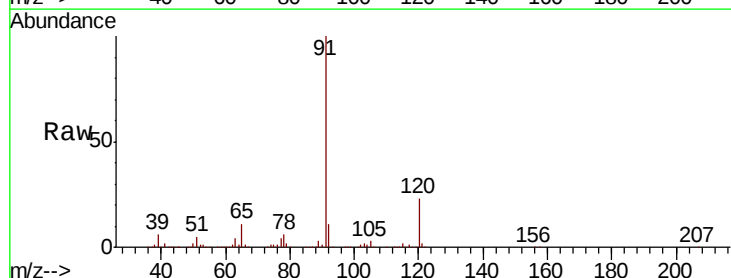
Acq: 26 Oct 2020 16:42

Tgt Ion: 91 Resp: 893831

Ion Ratio Lower Upper

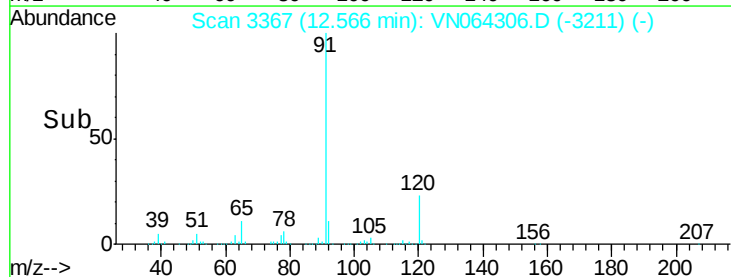
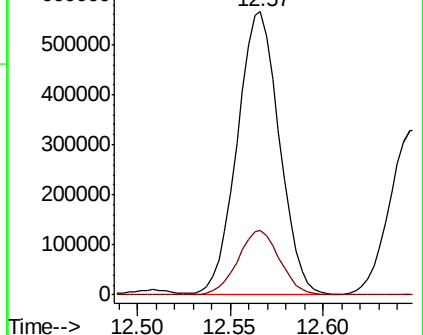
91 100

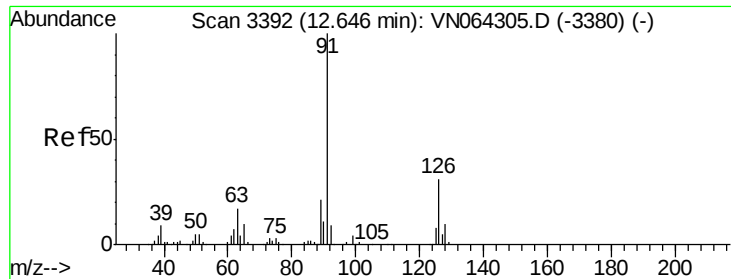
120 22.6 0.0 44.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 48.753 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

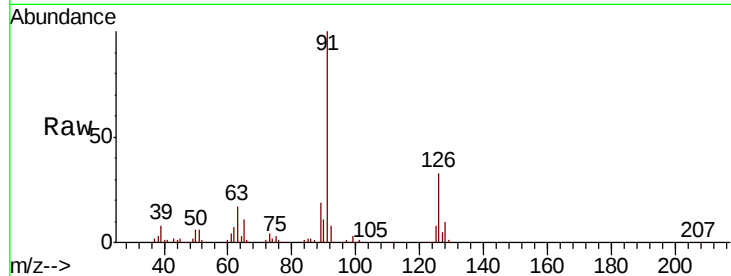
VSTDIC050

Tot Ion: 91 Resp: 549990

Ion Ratio Lower Upper

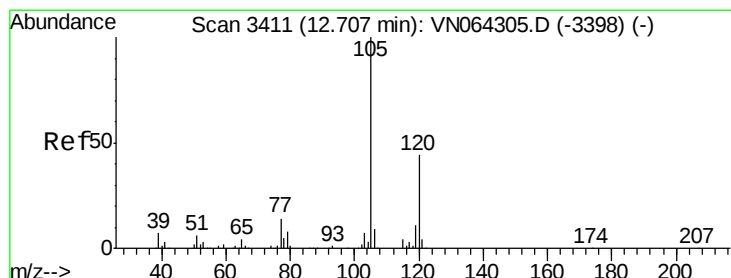
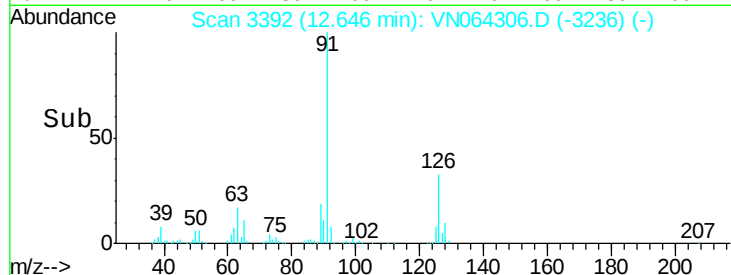
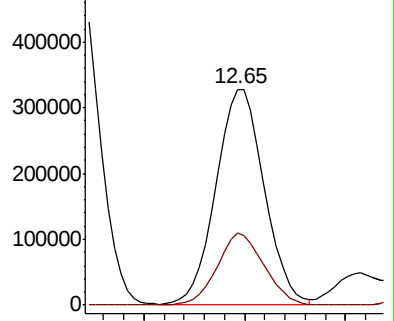
91 100

126 32.4 0.0 62.0



Abundance Ion 91.00 (90.70 to 91.70): VN064305.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064305.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 49.171 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064306.D

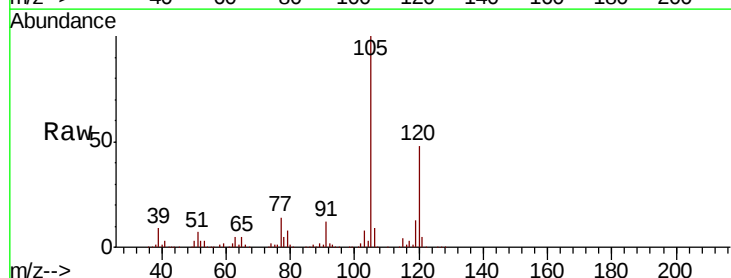
Acq: 26 Oct 2020 16:42

Tgt Ion: 105 Resp: 660035

Ion Ratio Lower Upper

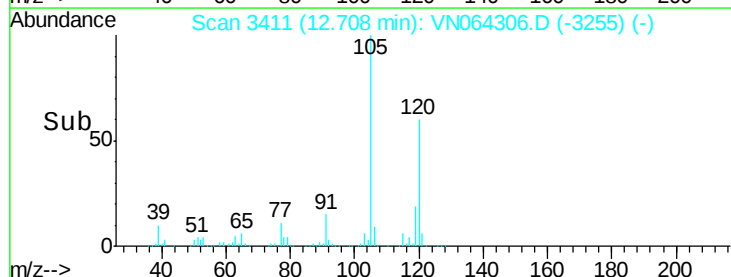
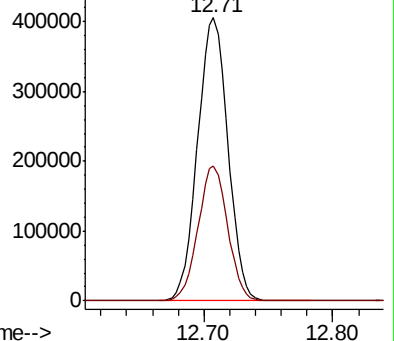
105 100

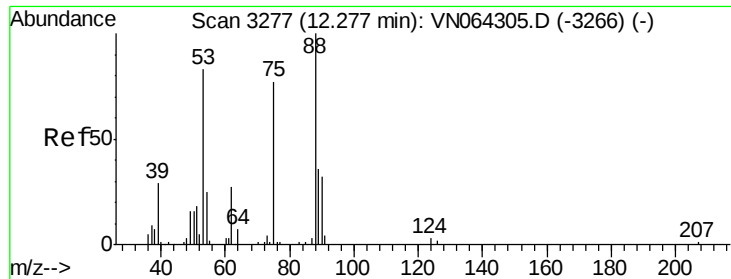
120 46.7 0.0 89.8



Abundance Ion 105.00 (104.70 to 105.70): VN064305.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064305.D (-3398) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 49.747 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

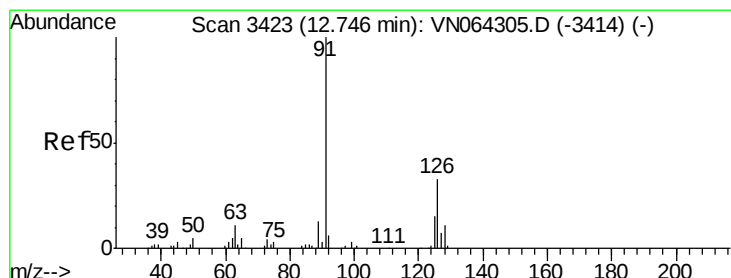
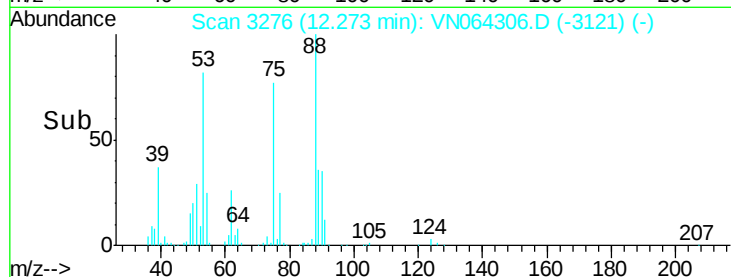
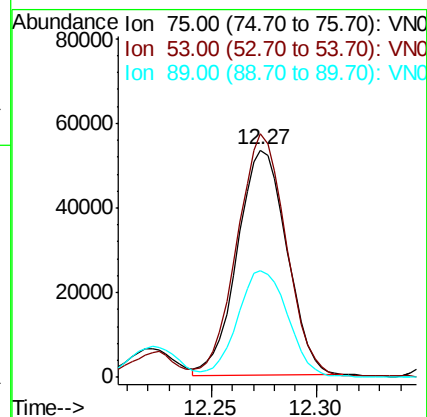
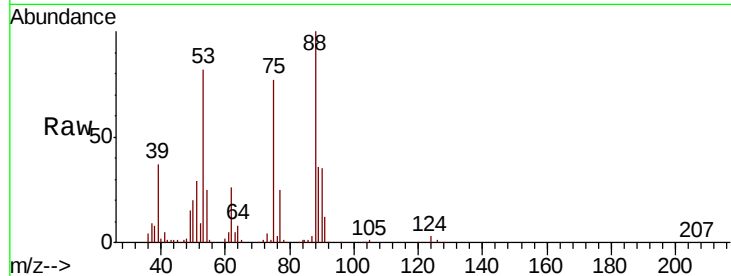
Tot Ion: 75 Resp: 86935

Ion Ratio Lower Upper

75 100

53 107.3 51.0 153.0

89 47.0 24.8 74.3



#78

4-Chlorotoluene

Concen: 49.564 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064306.D

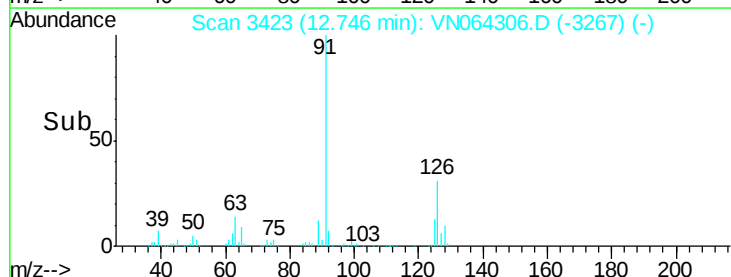
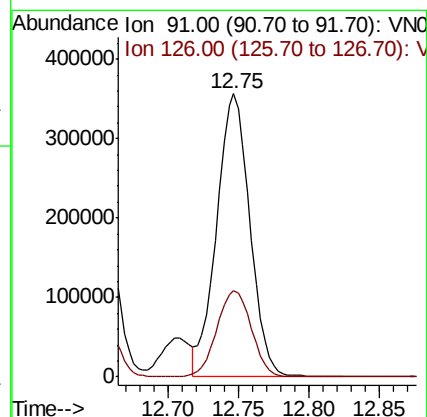
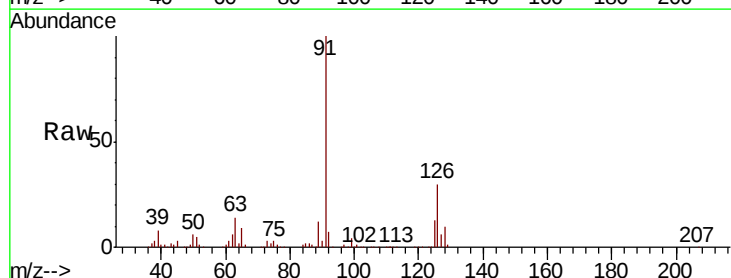
Acq: 26 Oct 2020 16:42

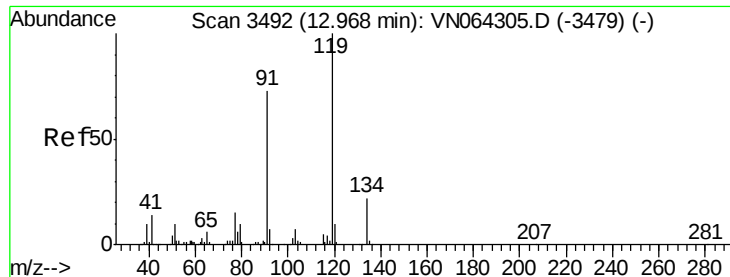
Tgt Ion: 91 Resp: 579809

Ion Ratio Lower Upper

91 100

126 31.9 0.0 62.4





#79

tert-butylbenzene

Concen: 49.590 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

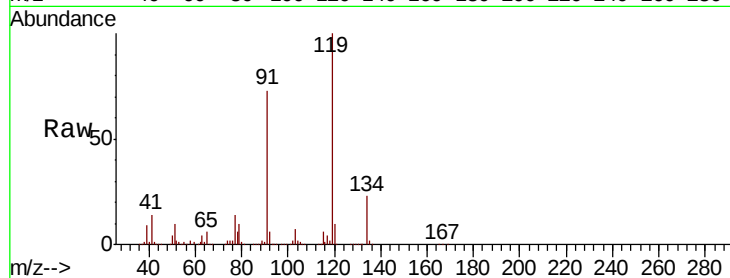
Tot Ion:119 Resp: 541819

Ion Ratio Lower Upper

119 100

91 71.6 0.0 146.8

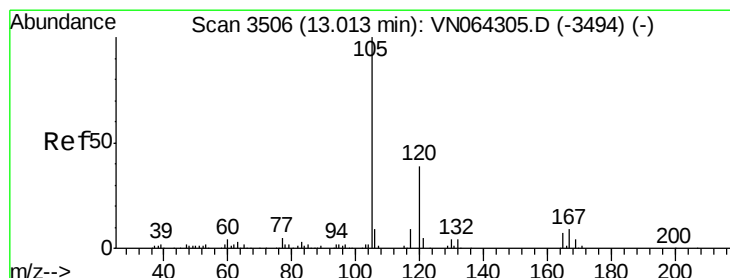
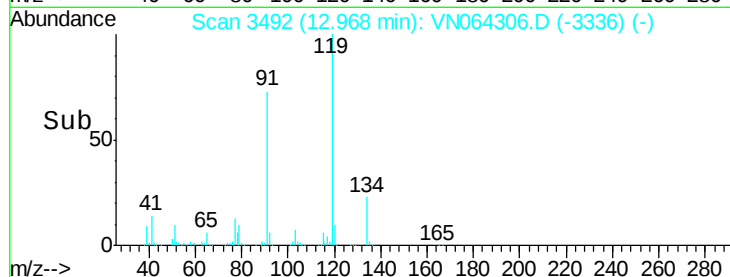
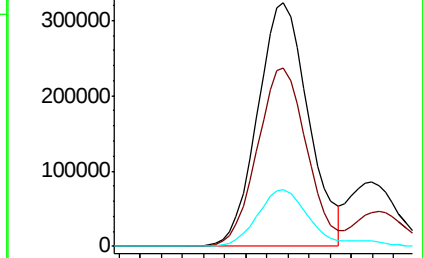
134 23.1 0.0 48.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 48.858 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064306.D

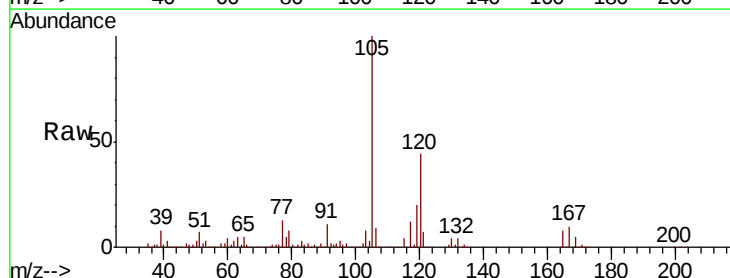
Acq: 26 Oct 2020 16:42

Tgt Ion:105 Resp: 666198

Ion Ratio Lower Upper

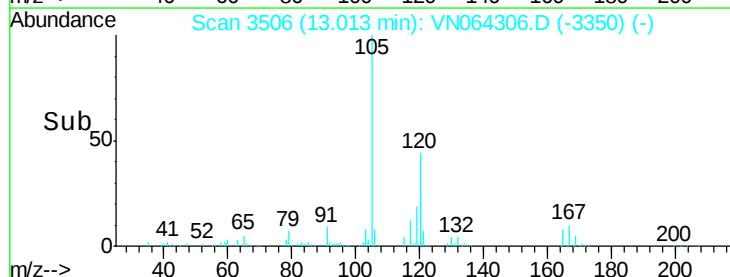
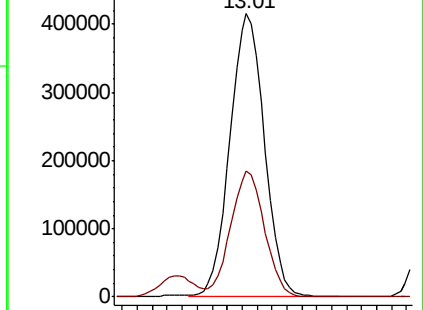
105 100

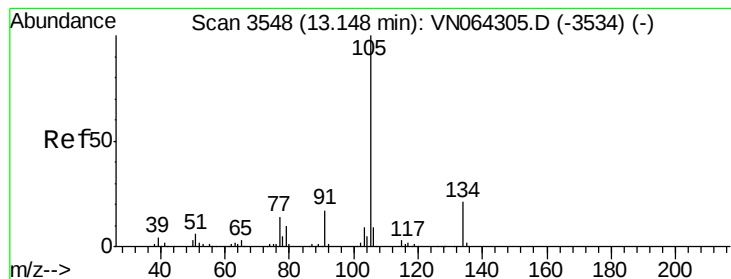
120 43.8 0.0 87.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 48.840 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

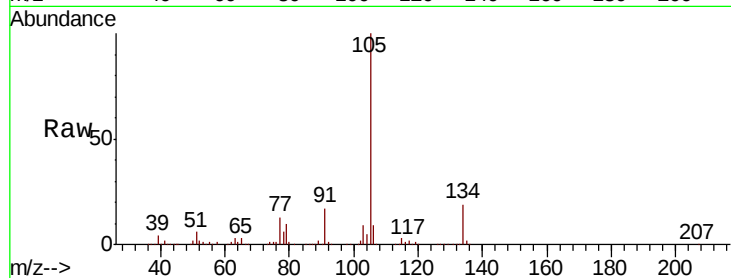
VSTDIC050

Tot Ion:105 Resp: 691932

Ion Ratio Lower Upper

105 100

134 19.2 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

400000

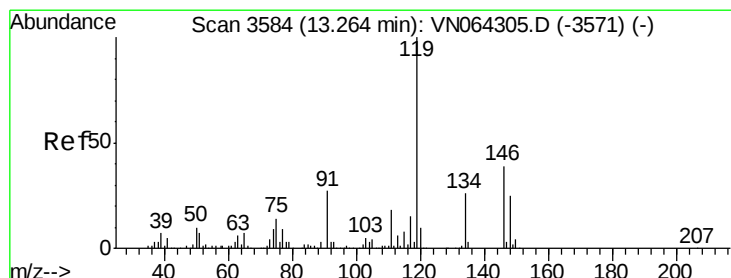
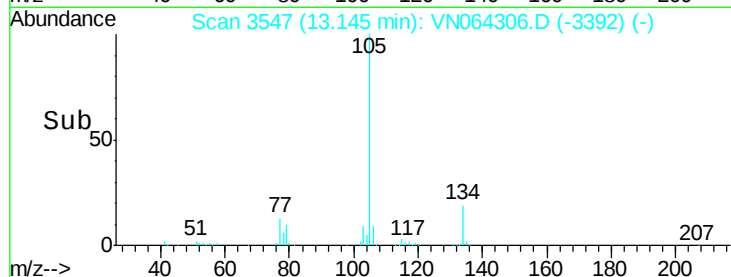
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 49.661 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

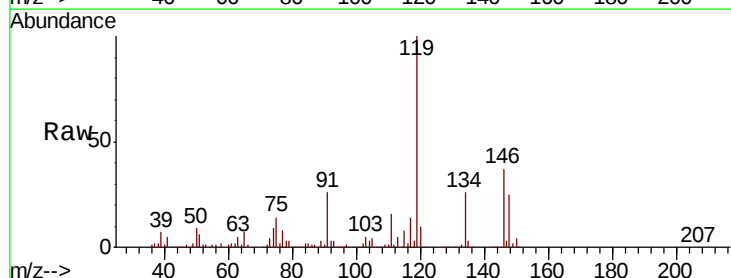
Tgt Ion:119 Resp: 645698

Ion Ratio Lower Upper

119 100

134 25.2 0.0 52.2

91 26.3 0.0 56.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

400000

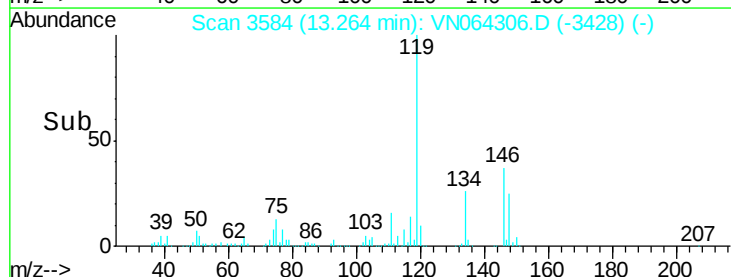
300000

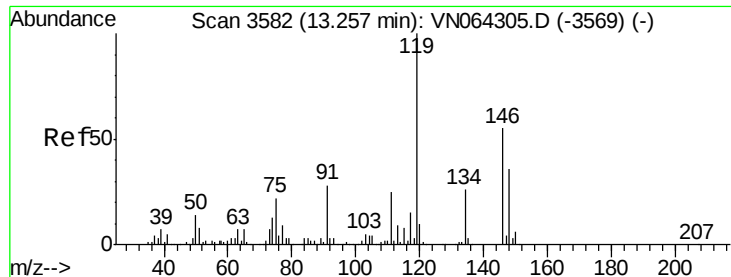
200000

100000

0

Time-->

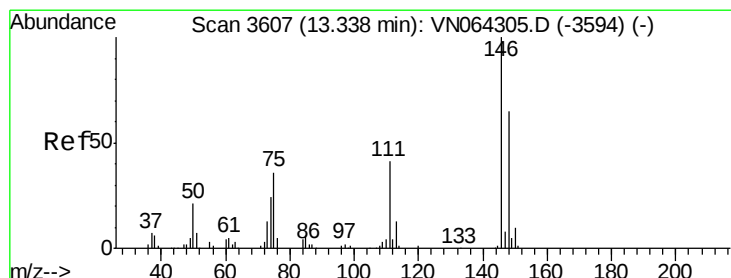
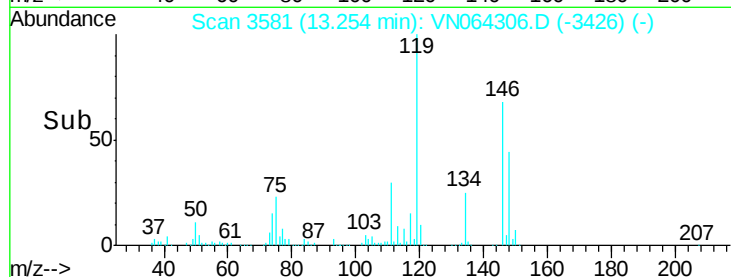
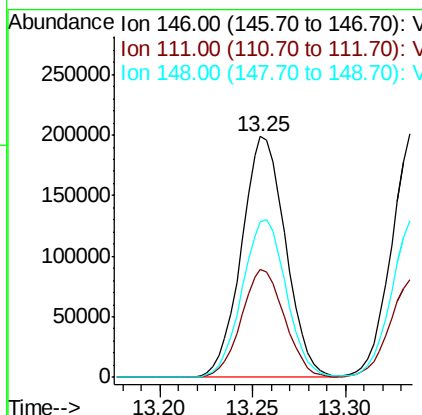
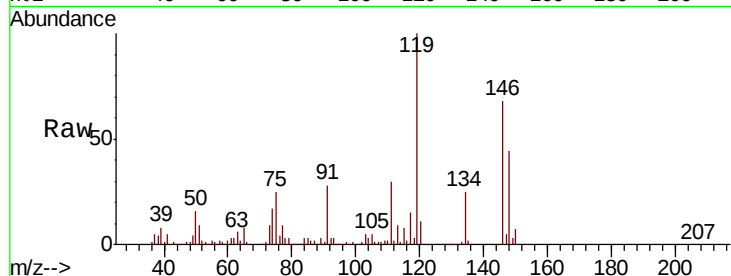




#83  
 1,3-Dichlorobenzene  
 Concen: 48.772 ug/l  
 RT: 13.25 min Scan# 3581  
 Delta R.T. -0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

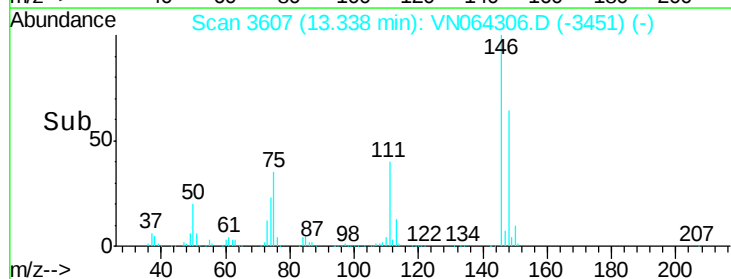
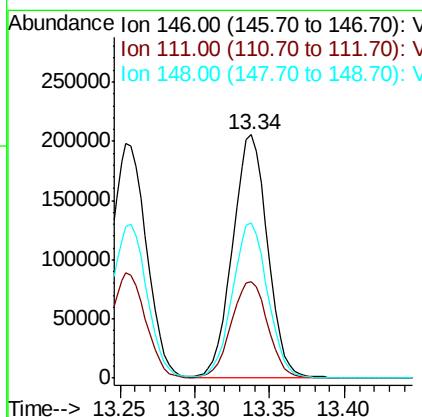
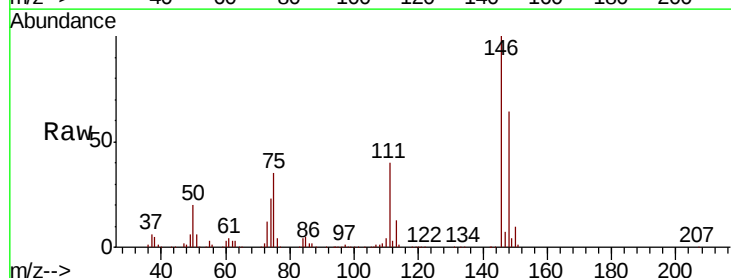
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

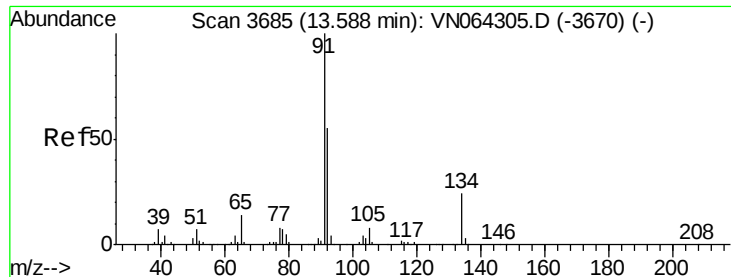
Tot Ion:146 Resp: 330010  
 Ion Ratio Lower Upper  
 146 100  
 111 43.9 22.5 67.5  
 148 65.4 32.5 97.5



#84  
 1,4-Dichlorobenzene  
 Concen: 48.880 ug/l  
 RT: 13.34 min Scan# 3607  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion:146 Resp: 335790  
 Ion Ratio Lower Upper  
 146 100  
 111 41.0 21.6 64.8  
 148 64.3 32.4 97.0

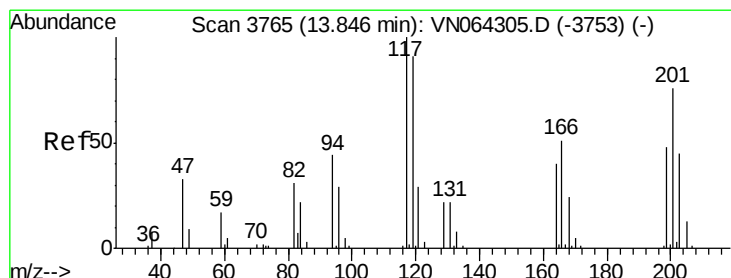
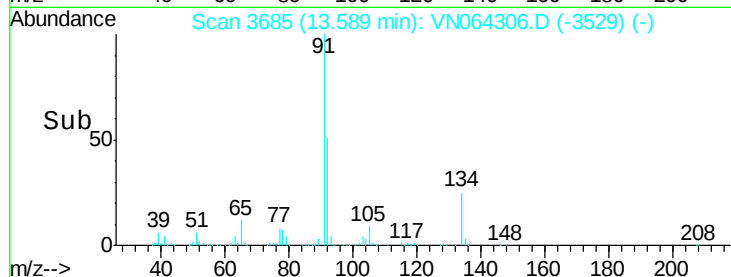
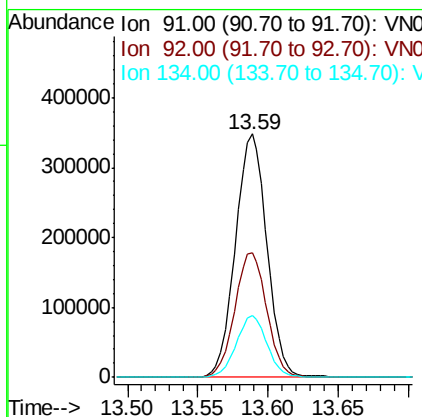
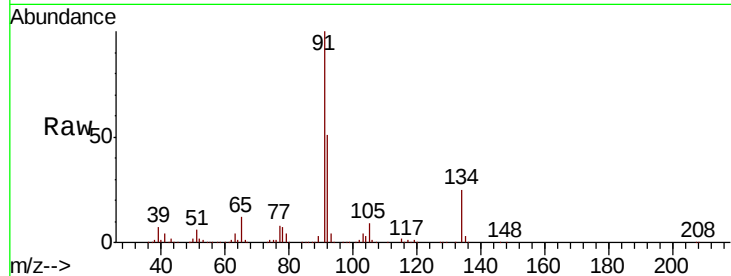




#85  
n-Butylbenzene  
Concen: 48.067 ug/l  
RT: 13.59 min Scan# 3685  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

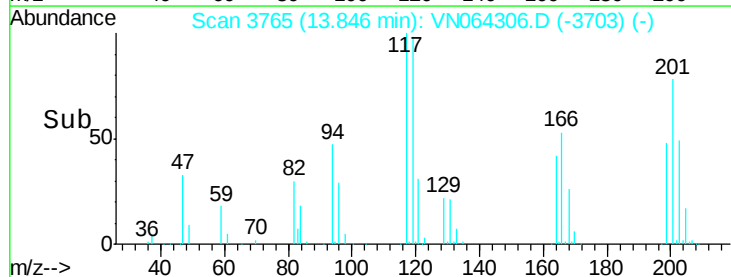
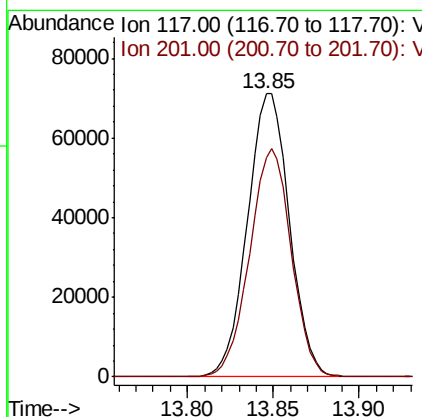
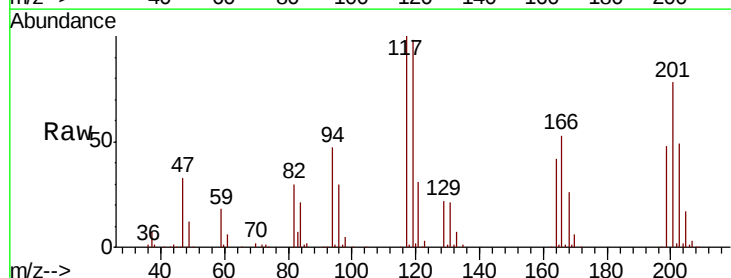
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

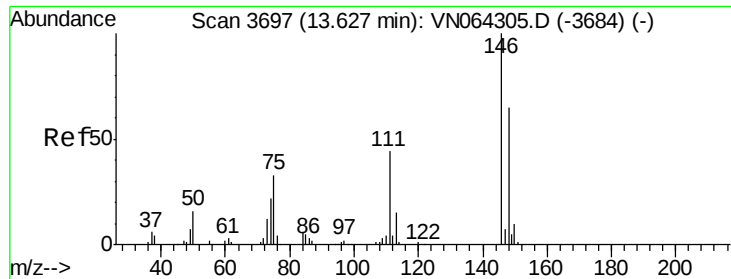
Tot Ion: 91 Resp: 546310  
Ion Ratio Lower Upper  
91 100  
92 51.9 0.0 106.0  
134 25.0 0.0 46.4



#86  
Hexachloroethane  
Concen: 53.472 ug/l  
RT: 13.85 min Scan# 3765  
Delta R.T. 0.00 min  
Lab File: VN064306.D  
Acq: 26 Oct 2020 16:42

Tgt Ion: 117 Resp: 120370  
Ion Ratio Lower Upper  
117 100  
201 80.0 39.6 118.7





#87

1,2-Dichlorobenzene

Concen: 49.066 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC050

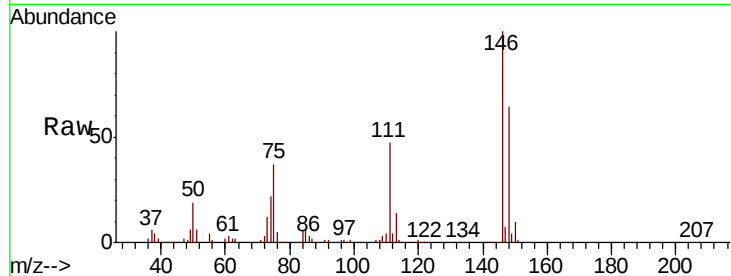
Tot Ion:146 Resp: 325244

Ion Ratio Lower Upper

146 100

111 46.5 22.3 66.8

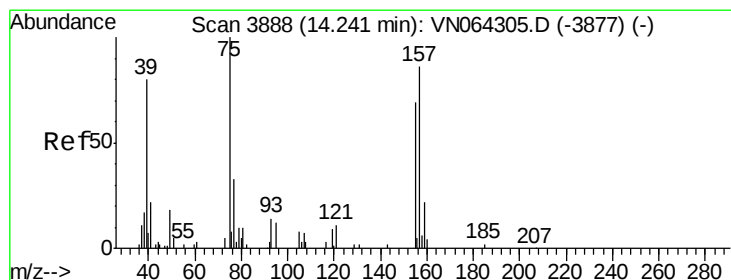
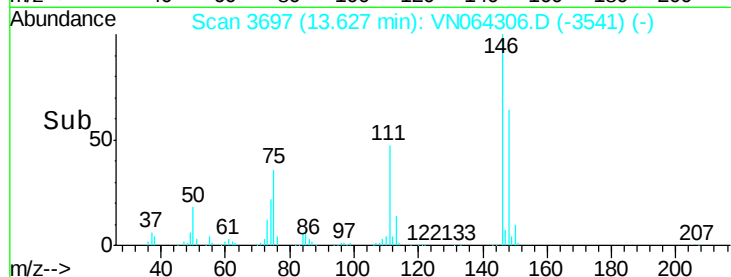
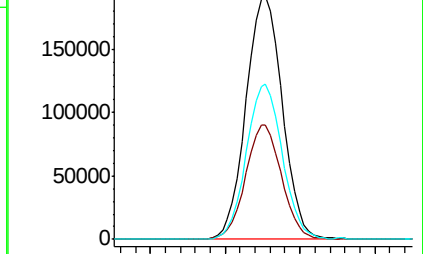
148 63.1 31.6 95.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 55.853 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

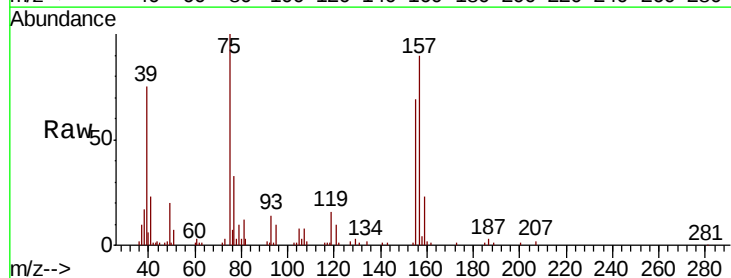
Tgt Ion: 75 Resp: 59305

Ion Ratio Lower Upper

75 100

155 68.6 55.8 83.8

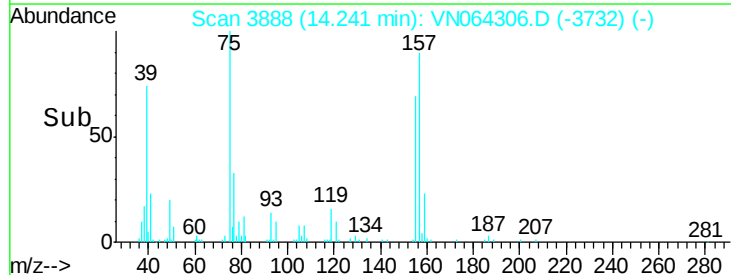
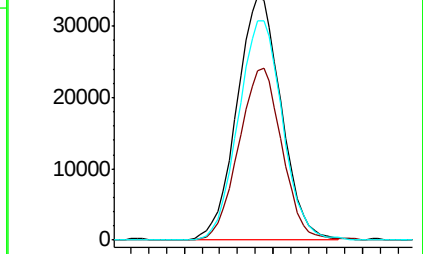
157 90.0 72.1 108.1

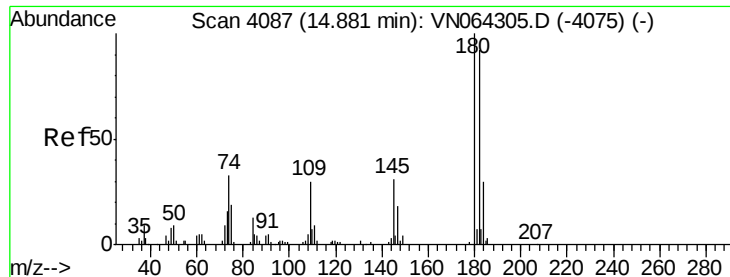


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

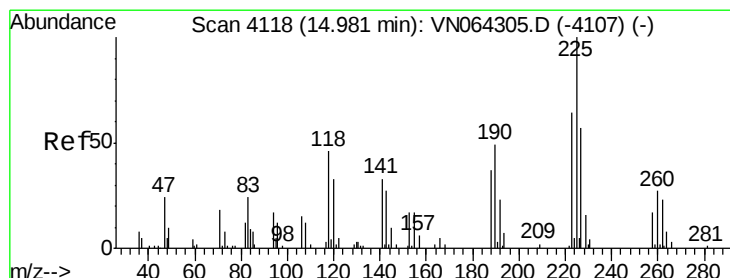
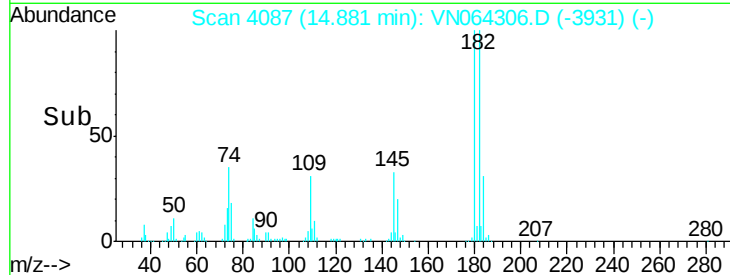
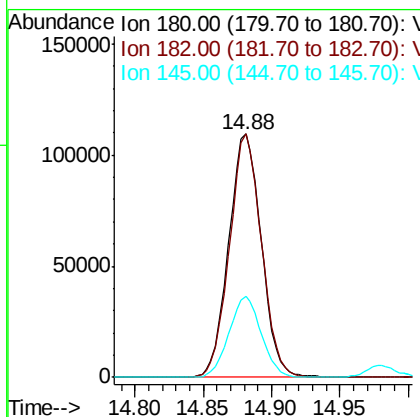
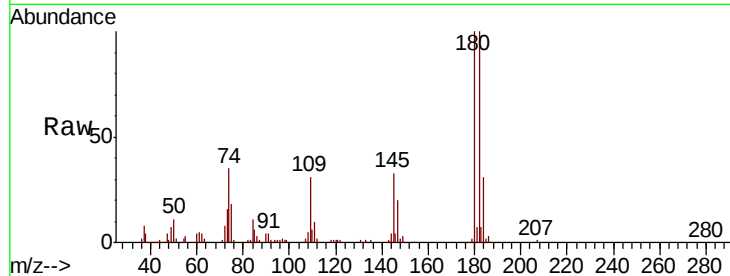




#89  
 1,2,4-Trichlorobenzene  
 Concen: 48.611 ug/l  
 RT: 14.88 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

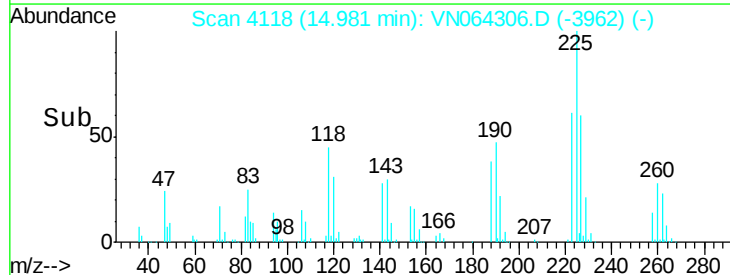
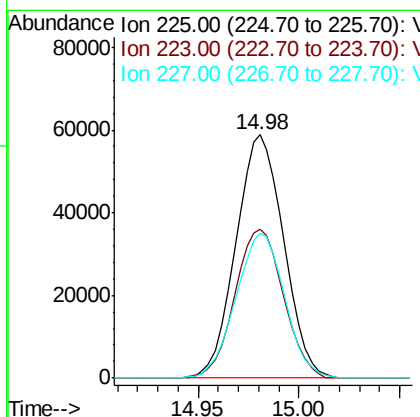
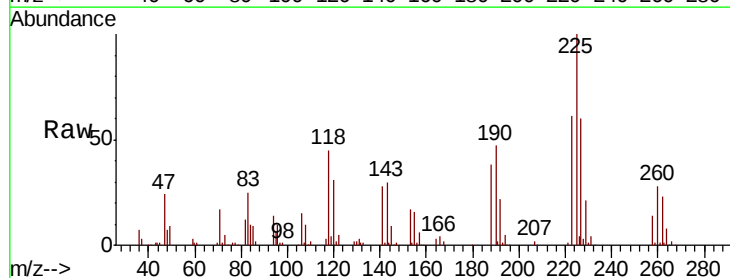
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC050

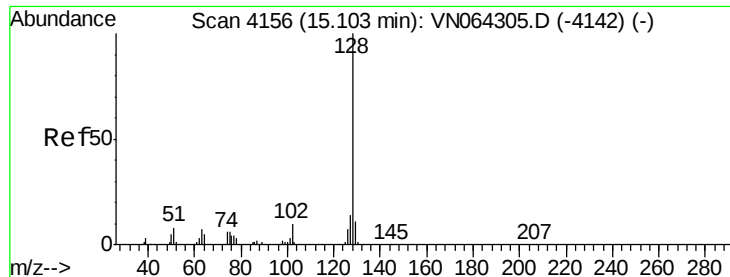
Tot Ion:180 Resp: 182048  
 Ion Ratio Lower Upper  
 180 100  
 182 97.8 76.6 114.8  
 145 32.8 25.4 38.0



#90  
 Hexachlorobutadiene  
 Concen: 47.827 ug/l  
 RT: 14.98 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN064306.D  
 Acq: 26 Oct 2020 16:42

Tgt Ion:225 Resp: 97607  
 Ion Ratio Lower Upper  
 225 100  
 223 62.0 0.0 122.0  
 227 60.7 0.0 118.0





#91

Naphthalene

Concen: 51.125 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

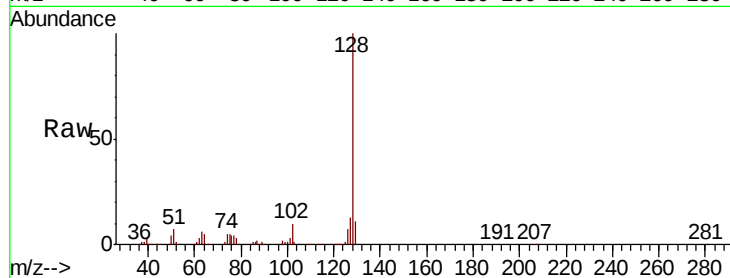
Tot Ion:128 Resp: 567492

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

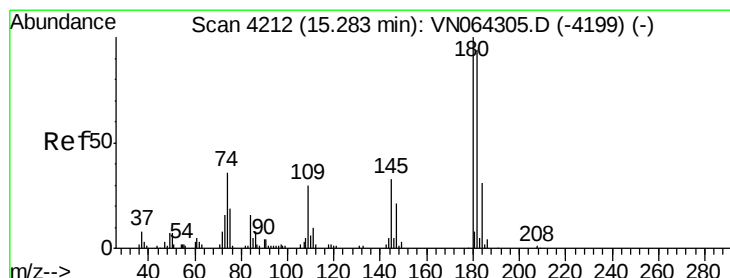
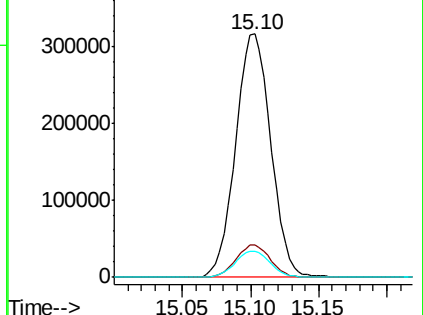
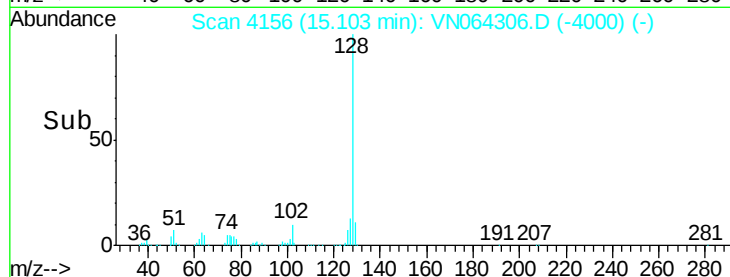
129 10.7 8.8 13.2



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: 48.414 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064306.D

Acq: 26 Oct 2020 16:42

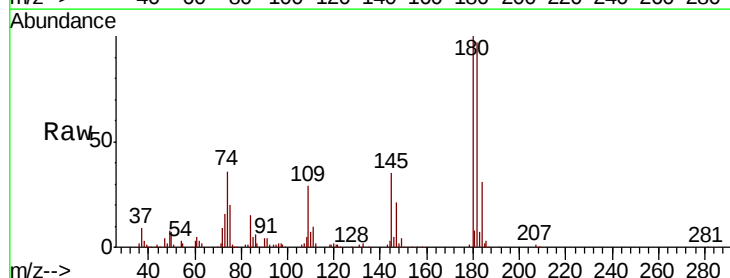
Tgt Ion:180 Resp: 174113

Ion Ratio Lower Upper

180 100

182 96.8 0.0 190.0

145 35.6 0.0 67.8



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

