

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122019\  
 Data File : VN059676.D  
 Acq On : 20 Dec 2019 13:25  
 Operator : JC/SP  
 Sample : VSTDIC001  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 20 16:32:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N122019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 20 16:30:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 270998   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 448329   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 482679   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 152562   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |       |      |
|---------------------------|--------|-----|----------|------|-------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 3171     | 0.82 | ug/l  | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 1.64% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 2486     | 0.90 | ug/l  | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 1.80% |      |
| 50) Toluene-d8            | 10.08  | 98  | 10062    | 0.92 | ug/l  | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 1.84% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 3382     | 0.88 | ug/l  | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 1.76% |      |

## Target Compounds

|                               |      |     |       |       |        | Qvalue |
|-------------------------------|------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 5052  | 1.436 | ug/l   | 93     |
| 3) Chloromethane              | 2.04 | 50  | 8108  | 1.556 | ug/l   | 94     |
| 4) Vinyl Chloride             | 2.17 | 62  | 4740  | 0.932 | ug/l   | 90     |
| 5) Bromomethane               | 2.55 | 94  | 3262  | 1.108 | ug/l   | 84     |
| 6) Chloroethane               | 2.68 | 64  | 4205  | 1.459 | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 7282  | 1.357 | ug/l   | 95     |
| 8) Diethyl Ether              | 3.39 | 74  | 2765  | 1.550 | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 3568  | 1.256 | ug/l   | 93     |
| 10) Methyl Iodide             | 3.92 | 142 | 5390  | 1.456 | ug/l # | 95     |
| 11) Tert butyl alcohol        | 4.76 | 59  | 2539  | 3.647 | ug/l # | 82     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 3585  | 1.297 | ug/l   | 86     |
| 13) Acrolein                  | 3.59 | 56  | 1551  | 3.472 | ug/l # | 80     |
| 14) Allyl chloride            | 4.30 | 41  | 9037  | 1.585 | ug/l   | 91     |
| 15) Acrylonitrile             | 4.97 | 53  | 12607 | 7.404 | ug/l # | 52     |
| 16) Acetone                   | 3.79 | 43  | 21233 | 9.539 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.03 | 76  | 17385 | 1.821 | ug/l   | 98     |
| 18) Methyl Acetate            | 4.30 | 43  | 7405  | 1.517 | ug/l # | 72     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 5971  | 0.609 | ug/l   | 99     |
| 20) Methylene Chloride        | 4.52 | 84  | 13597 | 4.089 | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.00 | 96  | 5563  | 1.803 | ug/l   | 86     |
| 22) Diisopropyl ether         | 5.92 | 45  | 16761 | 1.595 | ug/l # | 84     |
| 23) Vinyl Acetate             | 5.87 | 43  | 62994 | 7.706 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 10126 | 1.704 | ug/l # | 94     |
| 25) 2-Butanone                | 6.81 | 43  | 19052 | 7.024 | ug/l   | 92     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 8236  | 1.520 | ug/l   | 93     |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 5957  | 1.738 | ug/l   | 91     |
| 28) Bromochloromethane        | 7.16 | 49  | 770   | 0.389 | ug/l # | 57     |
| 29) Tetrahydrofuran           | 7.19 | 42  | 11898 | 7.051 | ug/l   | 93     |
| 30) Chloroform                | 7.34 | 83  | 8493  | 1.401 | ug/l   | 90     |
| 31) Cyclohexane               | 7.64 | 56  | 13107 | 2.290 | ug/l # | 38     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 7351  | 1.376 | ug/l # | 53     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 7173  | 1.547 | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.90 | 43  | 7763  | 1.437 | ug/l # | 95     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 6719  | 1.393 | ug/l   | 93     |

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 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 20 16:32:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N122019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 20 16:30:00 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 6358     | 1.168  | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 17412    | 1.284  | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.19  | 41   | 10627    | 4.820  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 6727     | 1.275  | ug/l   | 90       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 9603     | 1.125  | ug/l   | 98       |
| 44) Trichloroethene            | 8.82  | 130  | 4659     | 1.321  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 4809     | 1.266  | ug/l   | 98       |
| 46) Dibromomethane             | 9.19  | 93   | 3579     | 1.475  | ug/l   | 89       |
| 47) Bromodichloromethane       | 9.39  | 83   | 6793     | 1.401  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.19  | 41   | 4716     | 1.225  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 1302     | 24.253 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 31217    | 6.165  | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 12410    | 1.448  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 7371     | 1.312  | ug/l # | 82       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 7277     | 1.245  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 3807     | 1.146  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 5431     | 1.111  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 7454     | 1.266  | ug/l   | 92       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 3147     | 1.963  | ug/l # | 71       |
| 59) 2-Hexanone                 | 10.74 | 43   | 22673    | 5.675  | ug/l   | 97       |
| 60) Dibromochloromethane       | 10.90 | 129  | 5085     | 1.399  | ug/l   | 93       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 4253     | 1.192  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.62 | 164  | 4557     | 1.033  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.42 | 112  | 12315    | 1.197  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 3656     | 0.912  | ug/l # | 56       |
| 67) Ethyl Benzene              | 11.51 | 91   | 18893    | 0.986  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 12796    | 1.902  | ug/l   | 96       |
| 69) o-Xylene                   | 11.94 | 106  | 7439     | 1.181  | ug/l   | 96       |
| 70) Styrene                    | 11.96 | 104  | 10310    | 1.023  | ug/l   | 98       |
| 71) Bromoform                  | 12.12 | 173  | 3310     | 1.175  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 19071    | 1.574  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.07 | 43   | 7292     | 1.319  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 6374     | 1.642  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 9434     | 2.423  | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 5237     | 1.742  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 22045    | 1.524  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 12170    | 1.393  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 14560    | 1.398  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 1651     | 1.059  | ug/l   | 90       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 14536    | 1.612  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 10374    | 1.195  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 12073    | 1.163  | ug/l   | 96       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 14689    | 1.251  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 12155    | 1.176  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 7126     | 1.324  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 7126     | 1.317  | ug/l   | 94       |
| 89) n-Butylbenzene             | 13.61 | 91   | 12975    | 1.341  | ug/l   | 96       |
| 90) Hexachloroethane           | 13.87 | 117  | 3111     | 1.569  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 8296     | 1.571  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 2467     | 2.190  | ug/l   | 67       |

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Acq On : 20 Dec 2019 13:25  
Operator : JC/SP  
Sample : VSTDICC001  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 3 Sample Multiplier: 1

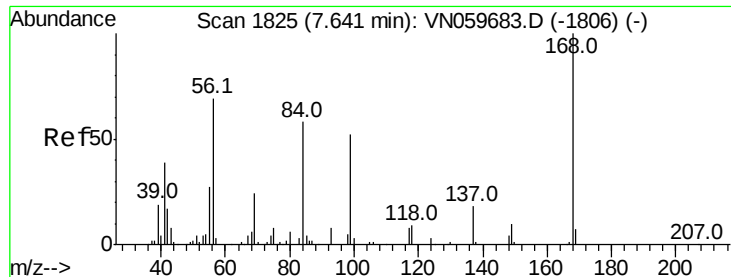
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 20 16:32:20 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N122019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 20 16:30:00 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 7788     | 2.283 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 3221     | 1.754 | ug/l  | 91       |
| 95) Naphthalene            | 15.12 | 128  | 28381    | 2.804 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 15.29 | 180  | 8804     | 2.523 | ug/l  | 91       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

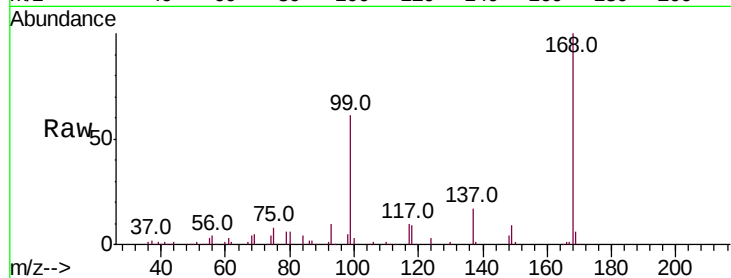
ClientSampleId :

Tot Ion:168 Resp: 270998

Ion Ratio Lower Upper

168 100

99 60.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

60000

40000

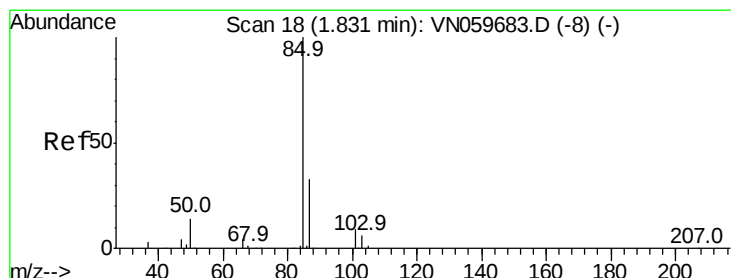
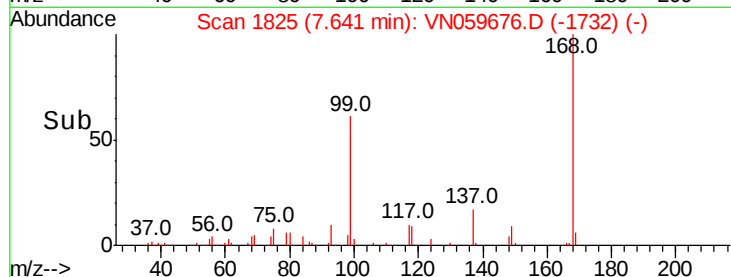
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.436 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059676.D

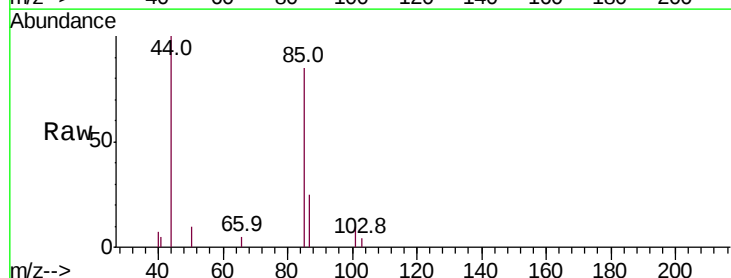
Acq: 20 Dec 2019 13:25

Tgt Ion: 85 Resp: 5052

Ion Ratio Lower Upper

85 100

87 28.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

4000

3000

2000

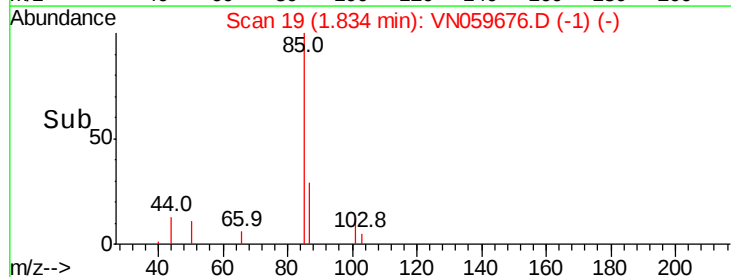
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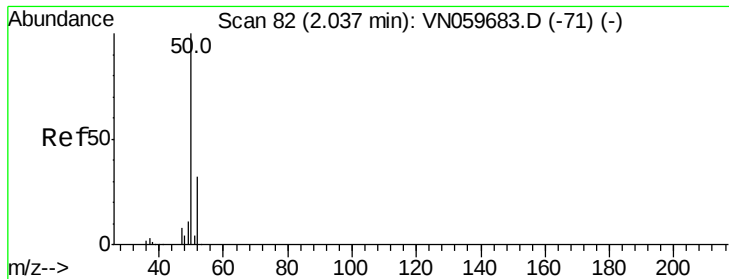
0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 1.556 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

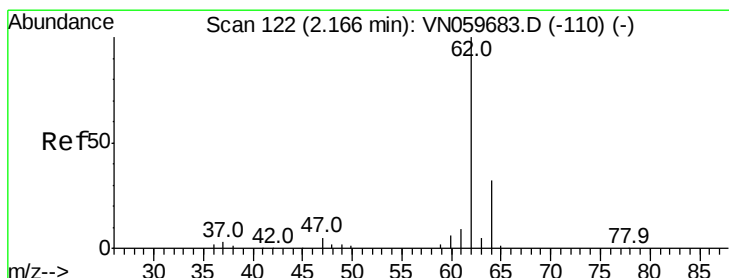
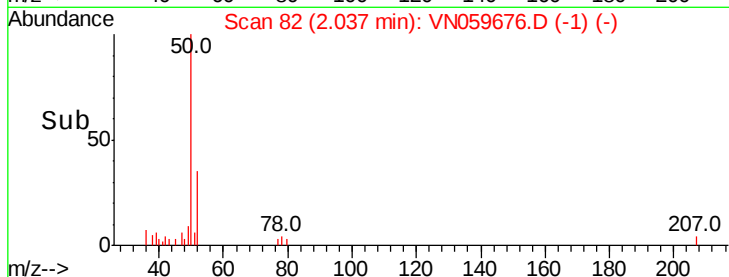
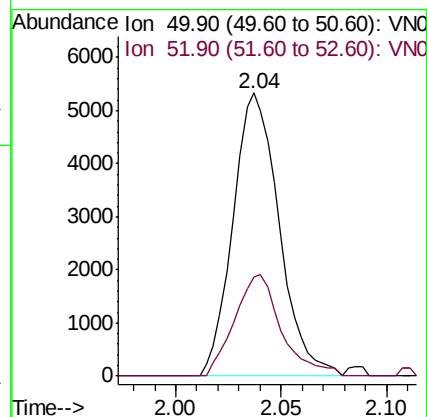
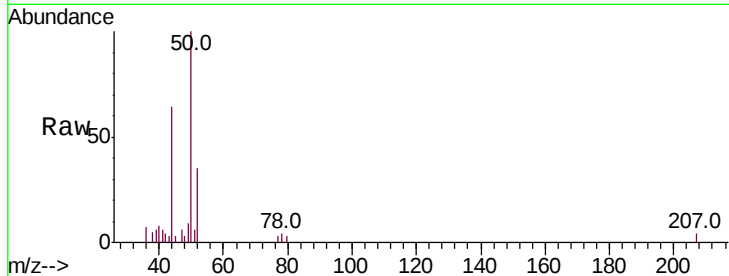
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 50 Resp: 8108

Ion Ratio Lower Upper

50 100

52 35.1 25.5 38.3



#4

Vinyl Chloride

Concen: 0.932 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059676.D

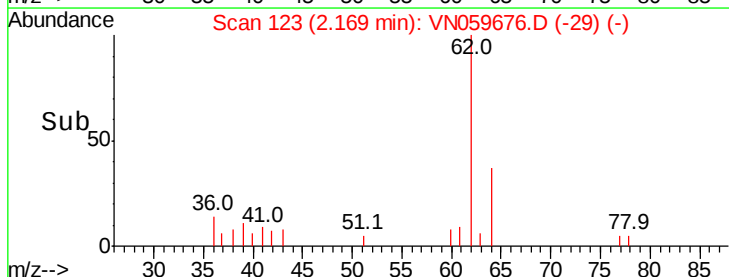
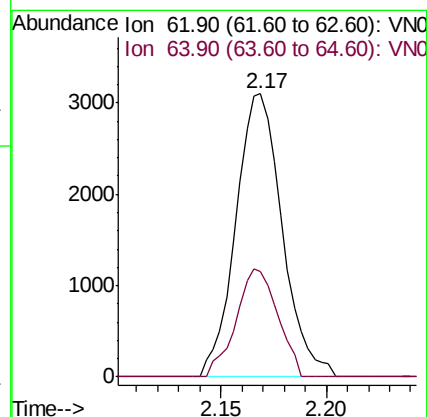
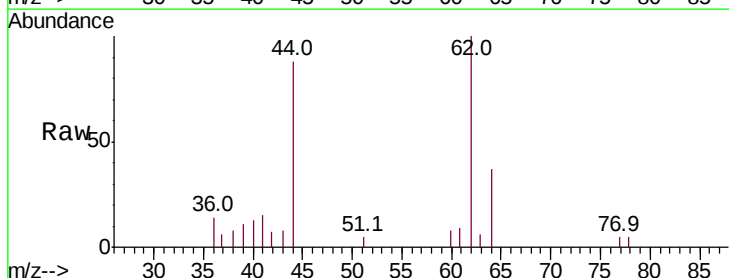
Acq: 20 Dec 2019 13:25

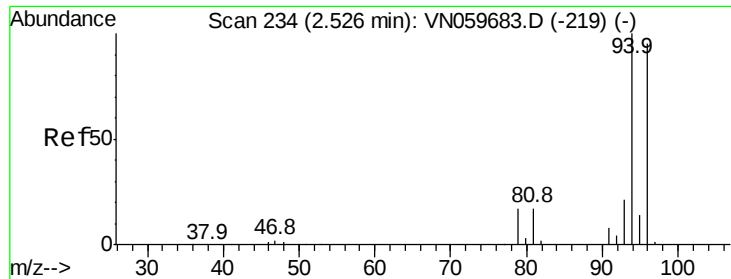
Tgt Ion: 62 Resp: 4740

Ion Ratio Lower Upper

62 100

64 37.2 25.4 38.0

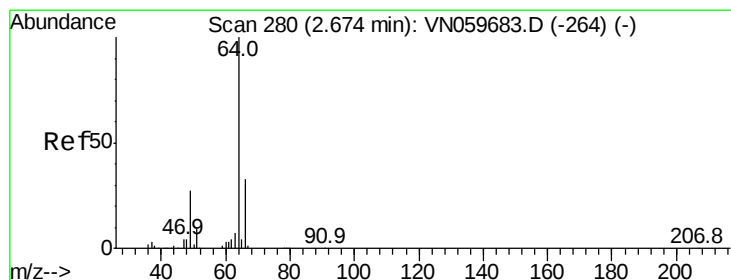
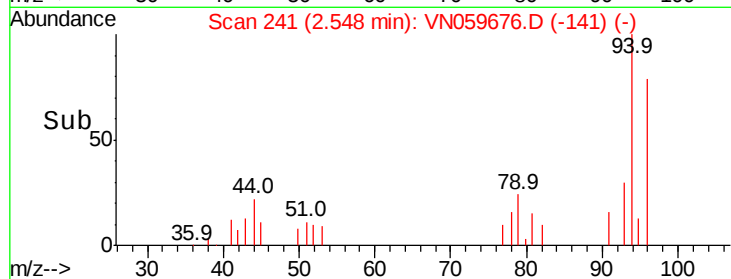
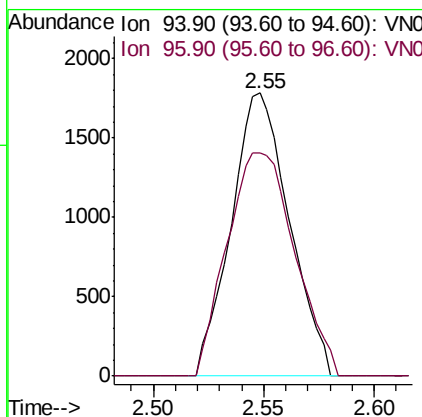
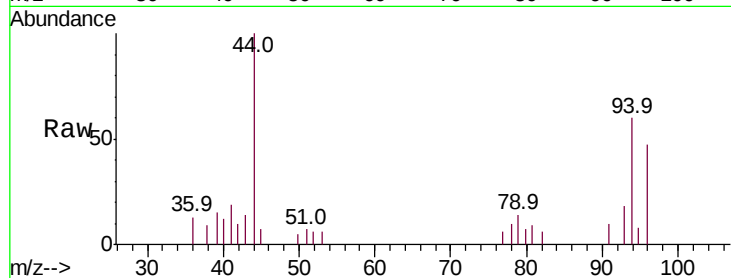




#5  
Bromomethane  
Concen: 1.108 ug/l  
RT: 2.55 min Scan# 241  
Delta R.T. 0.02 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

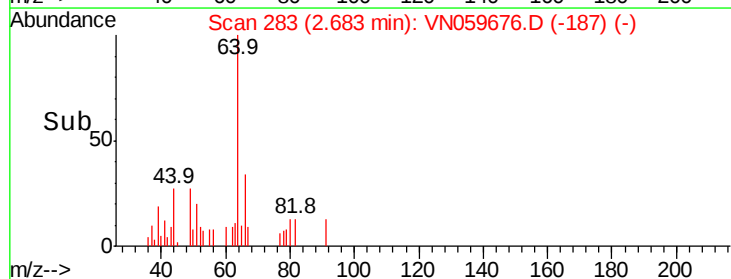
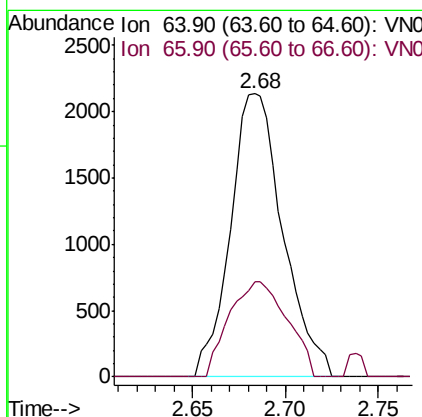
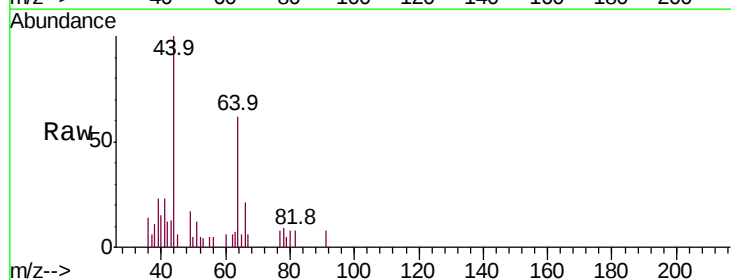
Instrument :  
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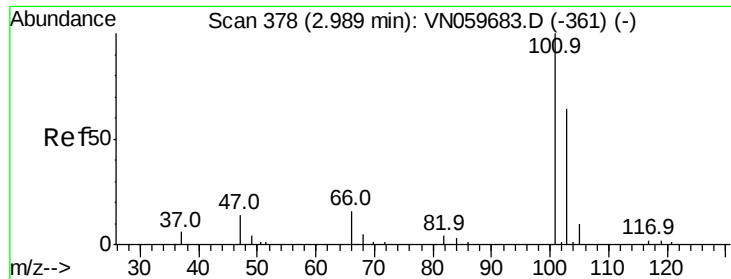
Tot Ion: 94 Resp: 3262  
Ion Ratio Lower Upper  
94 100  
96 78.7 75.8 113.6



#6  
Chloroethane  
Concen: 1.459 ug/l  
RT: 2.68 min Scan# 283  
Delta R.T. 0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 64 Resp: 4205  
Ion Ratio Lower Upper  
64 100  
66 33.6 26.1 39.1



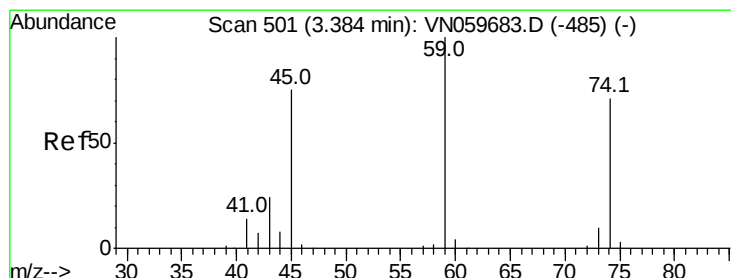
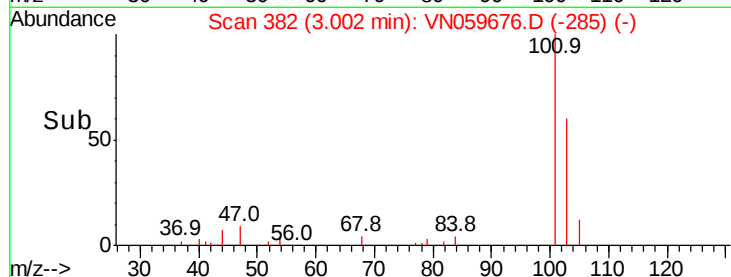
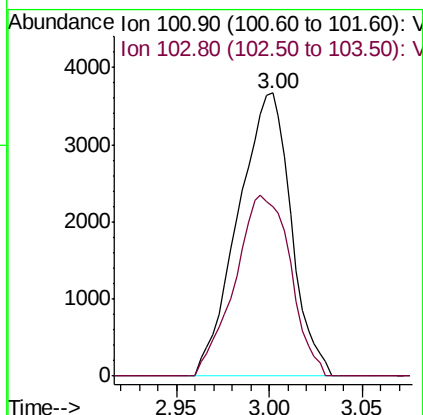
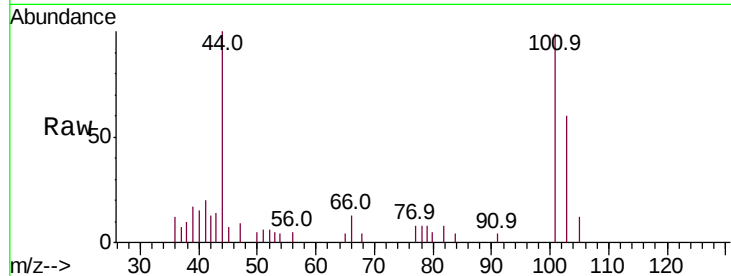


#7

Trichlorofluoromethane  
 Concen: 1.357 ug/l  
 RT: 3.00 min Scan# 382  
 Delta R.T. 0.01 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :

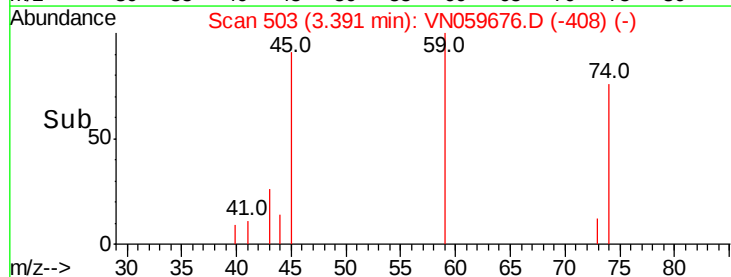
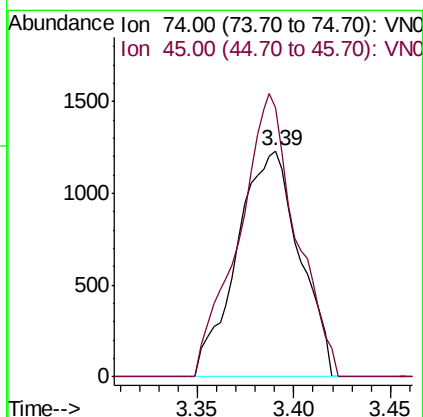
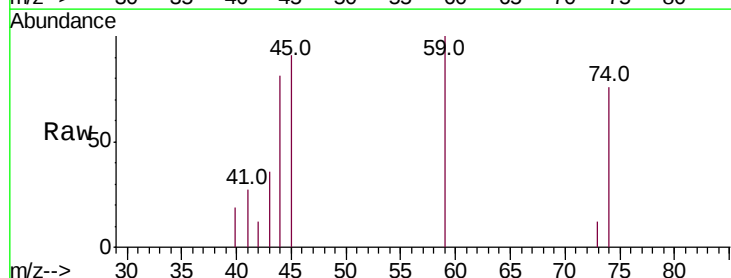
Tot Ion:101 Resp: 7282  
 Ion Ratio Lower Upper  
 101 100  
 103 60.0 51.2 76.8

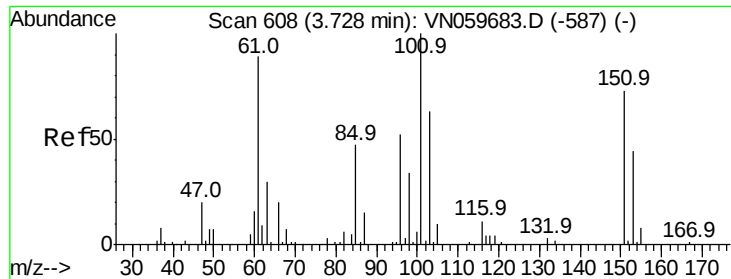


#8

Diethyl Ether  
 Concen: 1.550 ug/l  
 RT: 3.39 min Scan# 503  
 Delta R.T. 0.01 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

Tgt Ion: 74 Resp: 2765  
 Ion Ratio Lower Upper  
 74 100  
 45 115.1 54.4 163.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.256 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

ClientSampleId :

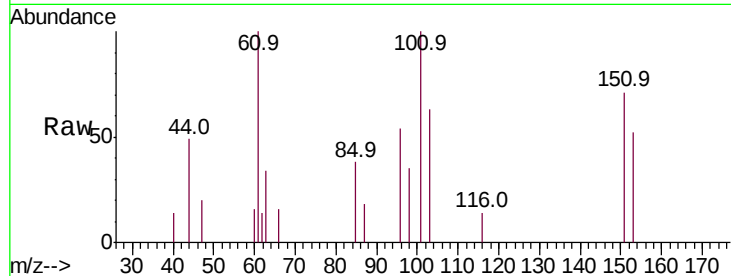
Tot Ion:101 Resp: 3568

Ion Ratio Lower Upper

101 100

85 43.4 36.5 54.7

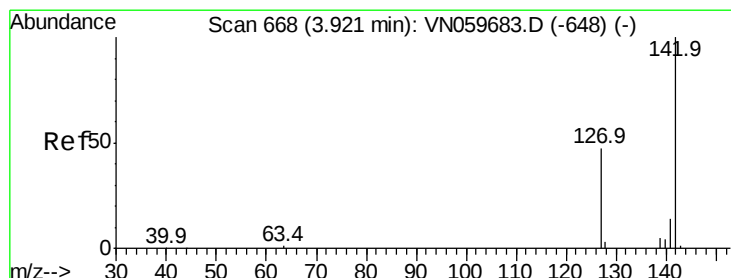
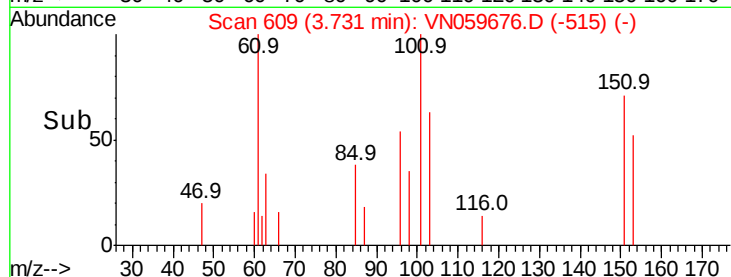
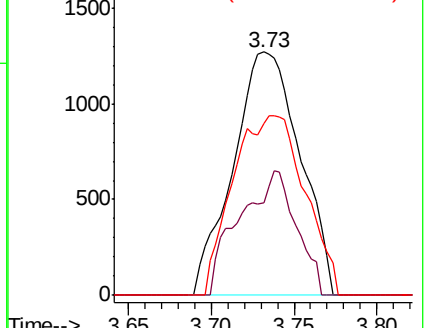
151 79.3 57.6 86.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.456 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

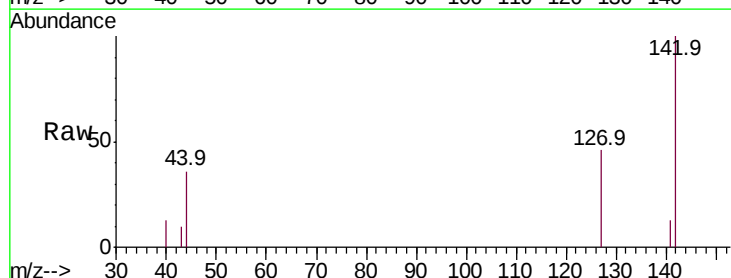
Tgt Ion:142 Resp: 5390

Ion Ratio Lower Upper

142 100

127 44.0 37.0 55.6

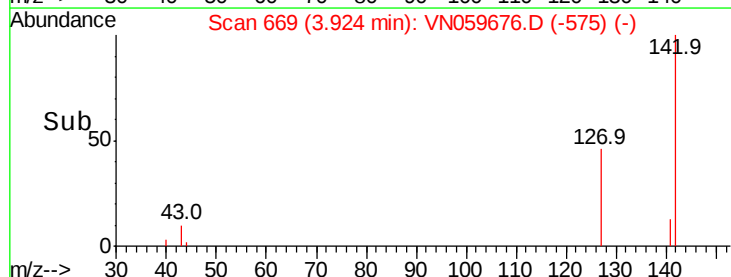
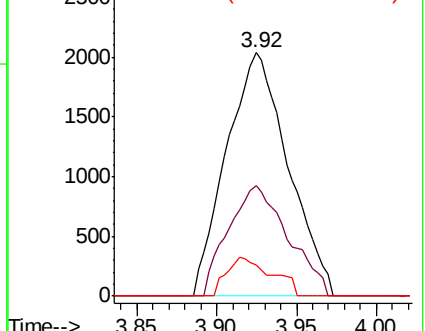
141 9.2 11.2 16.8#

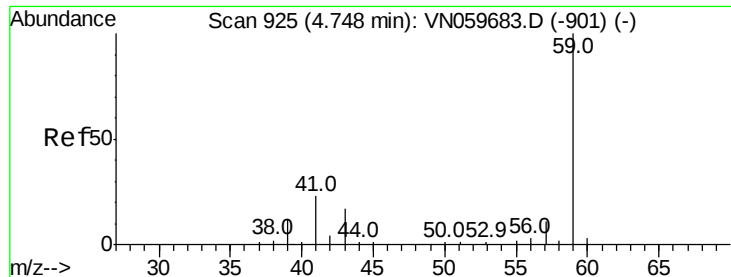


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

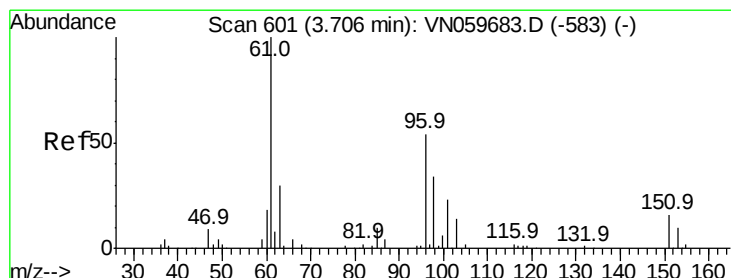
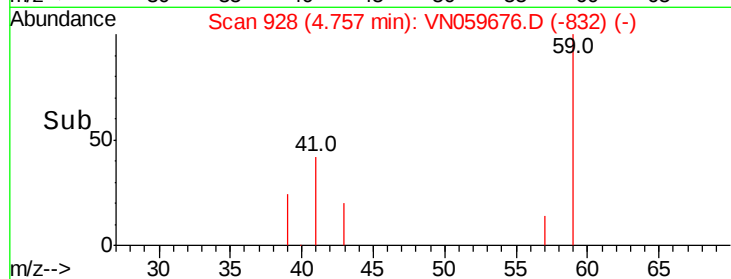
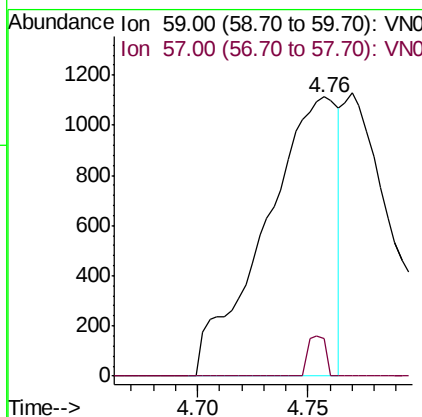
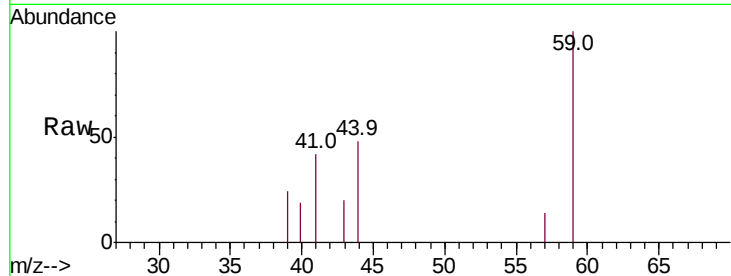




#11  
Tert butyl alcohol  
Concen: 3.647 ug/l  
RT: 4.76 min Scan# 928  
Delta R.T. 0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

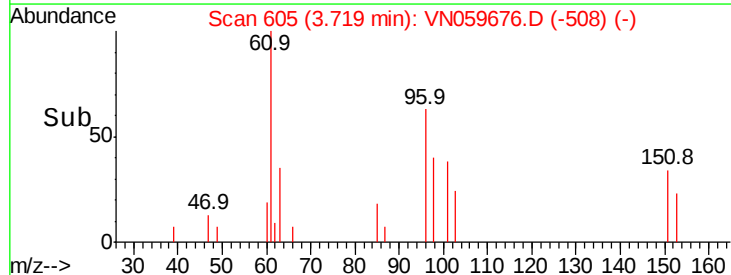
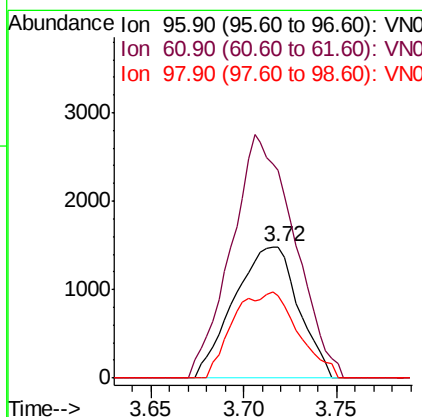
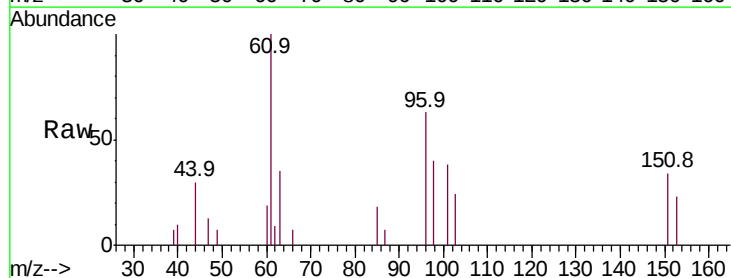
Instrument :  
MSVOA\_X  
ClientSampled :

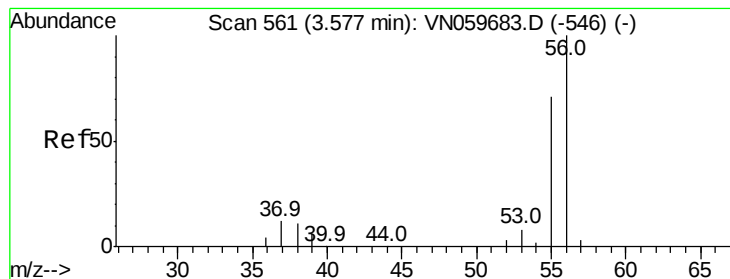
Tot Ion: 59 Resp: 2539  
Ion Ratio Lower Upper  
59 100  
57 3.5 8.3 12.5#



#12  
1,1-Dichloroethene  
Concen: 1.297 ug/l  
RT: 3.72 min Scan# 605  
Delta R.T. 0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 96 Resp: 3585  
Ion Ratio Lower Upper  
96 100  
61 157.8 147.3 220.9  
98 62.5 49.8 74.8





#13

Acrolein

Concen: 3.472 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

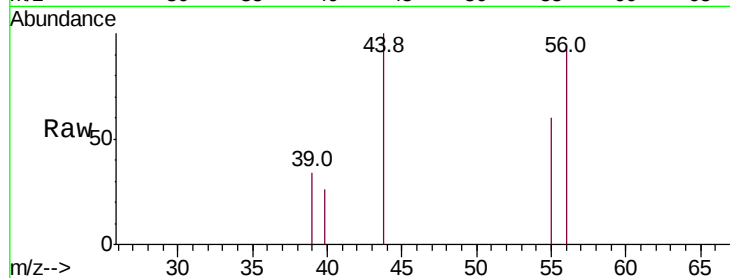
ClientSampleId :

Tot Ion: 56 Resp: 1551

Ion Ratio Lower Upper

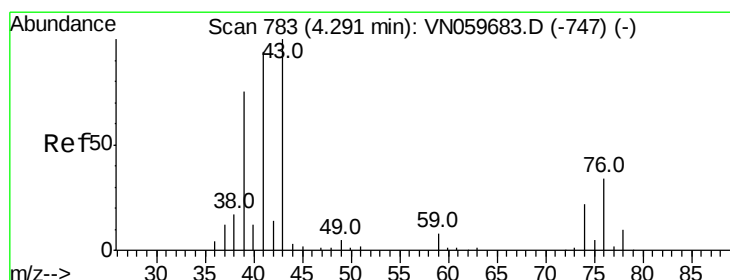
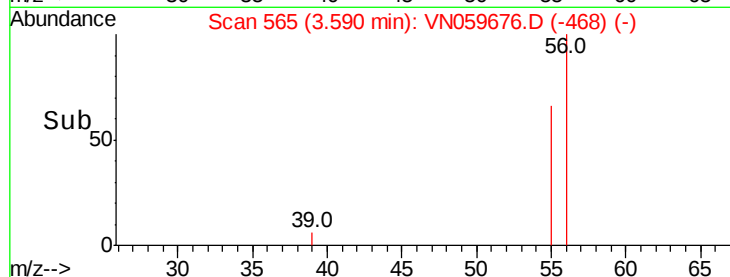
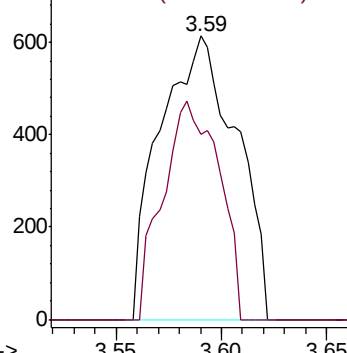
56 100

55 56.8 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 1.585 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

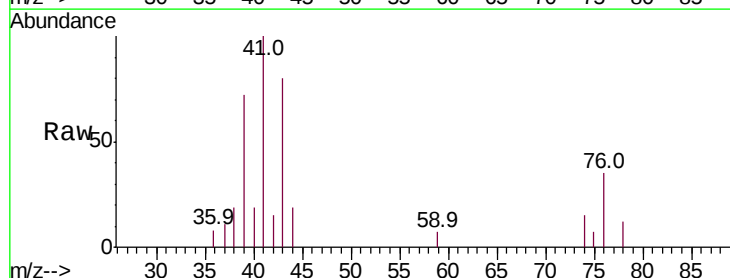
Tgt Ion: 41 Resp: 9037

Ion Ratio Lower Upper

41 100

39 64.9 58.9 88.3

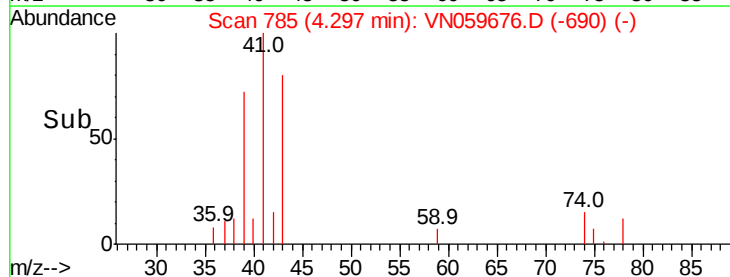
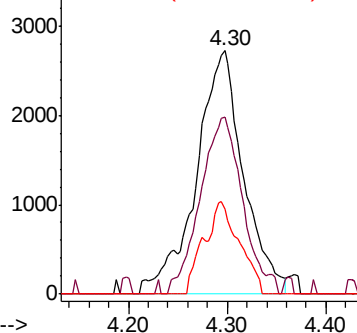
76 28.2 26.0 39.0

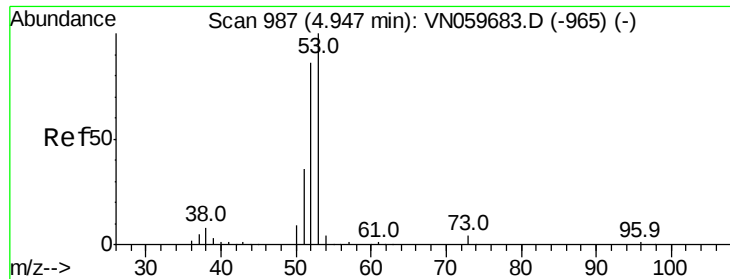


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 7.404 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.02 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

ClientSampleId :

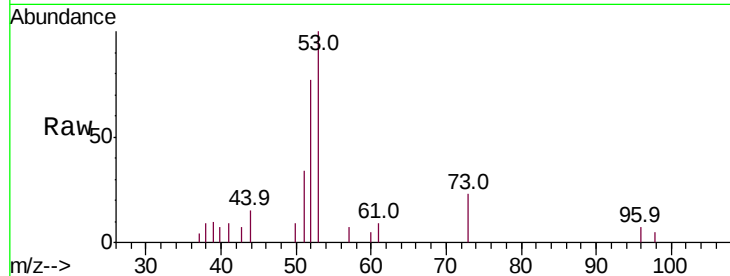
Tot Ion: 53 Resp: 12607

Ion Ratio Lower Upper

53 100

52 37.4 67.1 100.7#

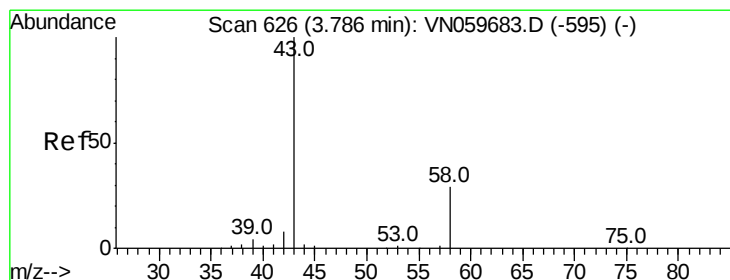
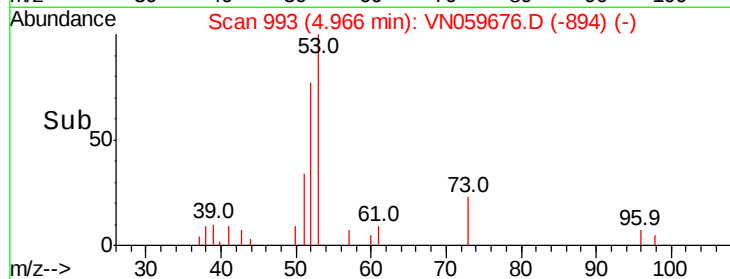
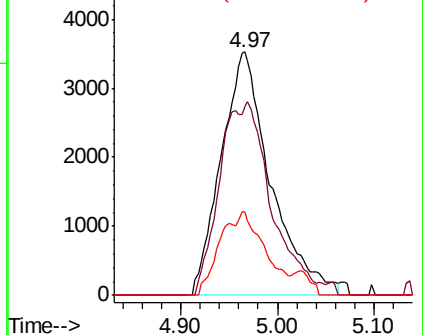
51 12.3 29.8 44.6#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 9.539 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059676.D

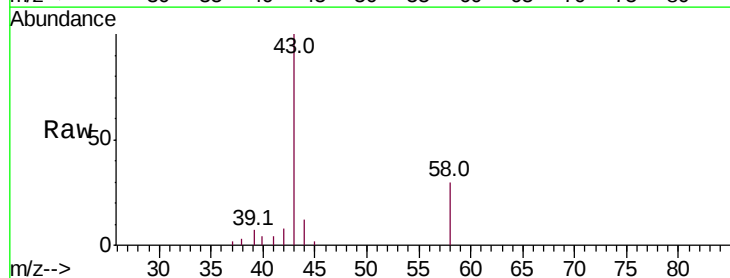
Acq: 20 Dec 2019 13:25

Tgt Ion: 43 Resp: 21233

Ion Ratio Lower Upper

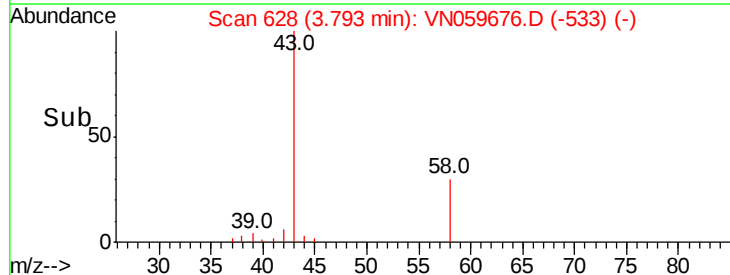
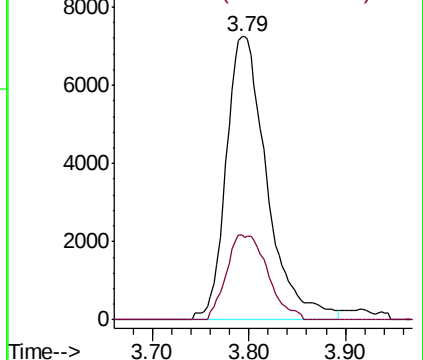
43 100

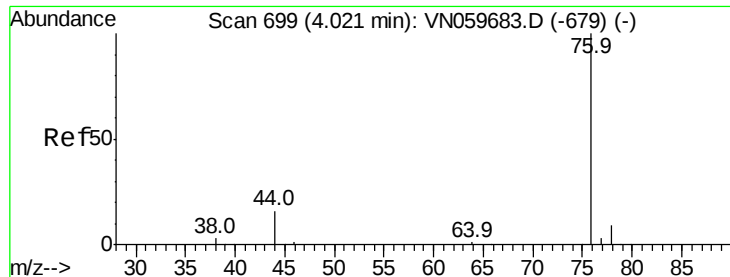
58 29.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

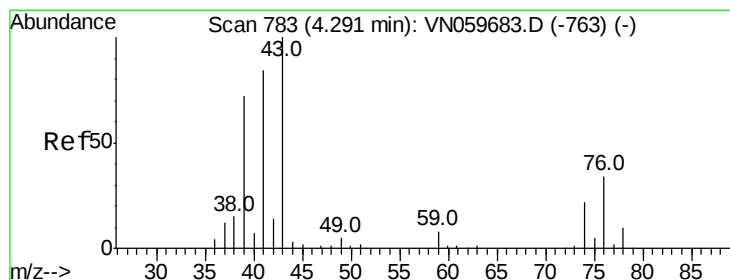
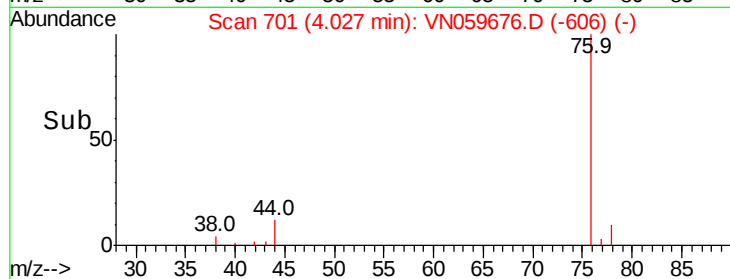
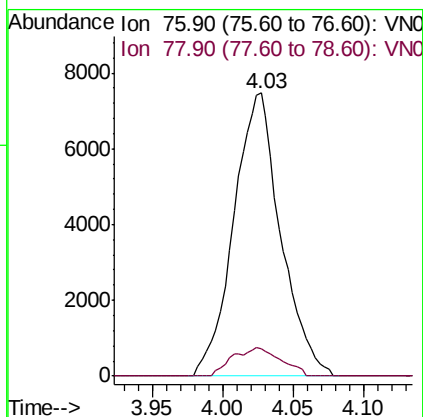
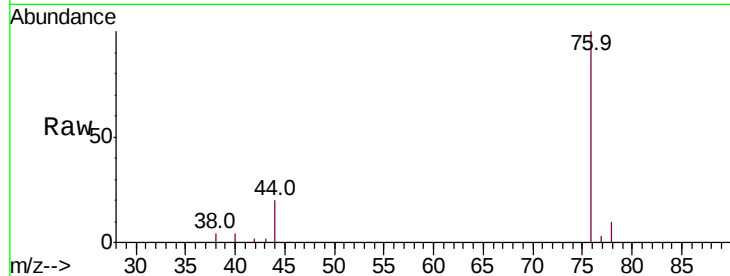




#17  
Carbon Disulfide  
Concen: 1.821 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. 0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

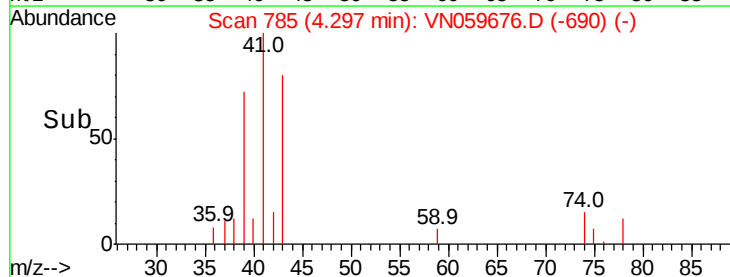
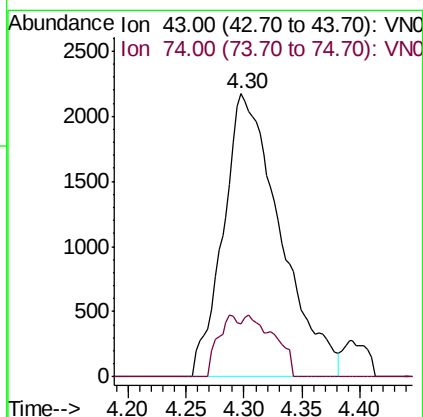
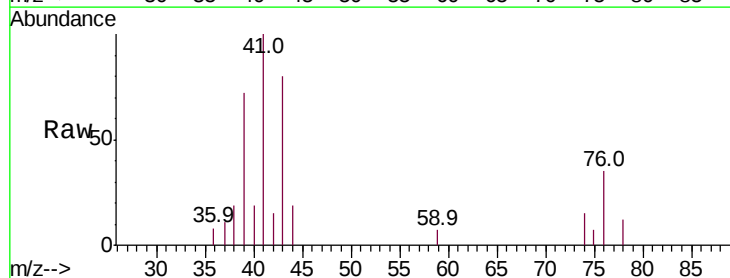
Instrument :  
MSVOA\_X  
ClientSampleId :

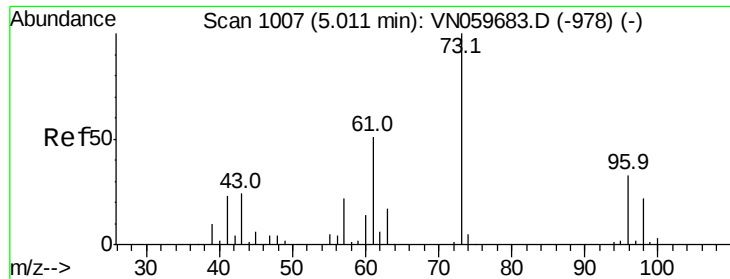
Tot Ion: 76 Resp: 17385  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.3 10.9



#18  
Methyl Acetate  
Concen: 1.517 ug/l  
RT: 4.30 min Scan# 785  
Delta R.T. 0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 43 Resp: 7405  
Ion Ratio Lower Upper  
43 100  
74 8.6 17.5 26.3#

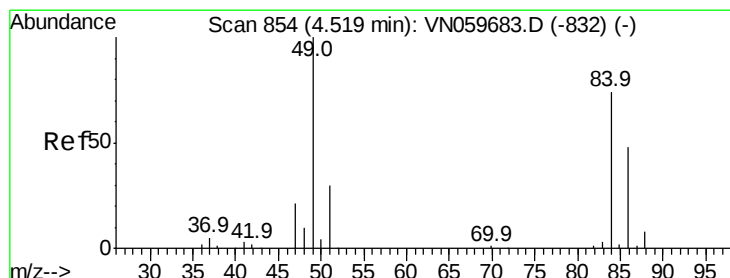
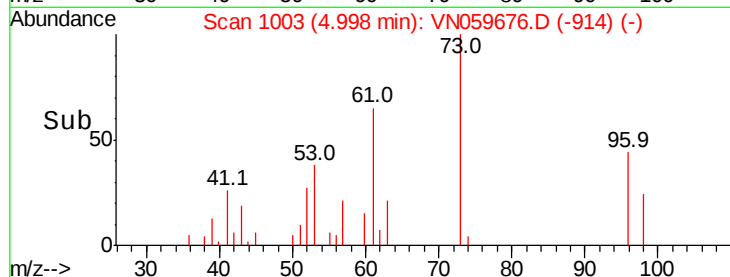
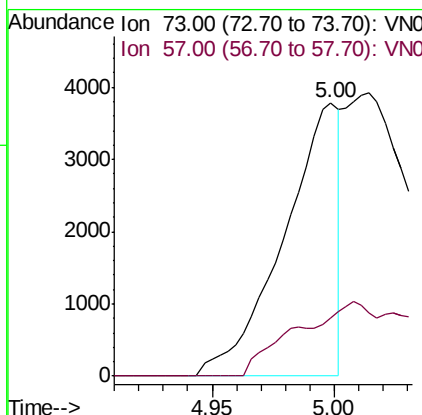
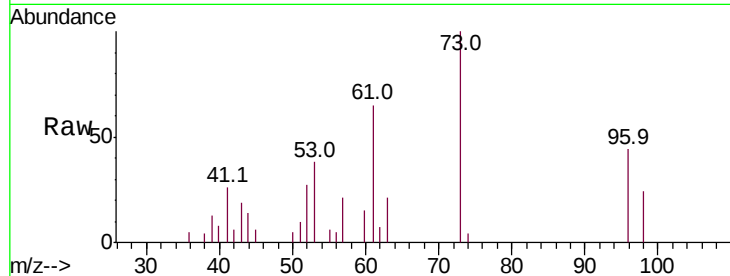




#19  
Methvl tert-butvl Ether  
Concen: 0.609 ug/l  
RT: 5.00 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

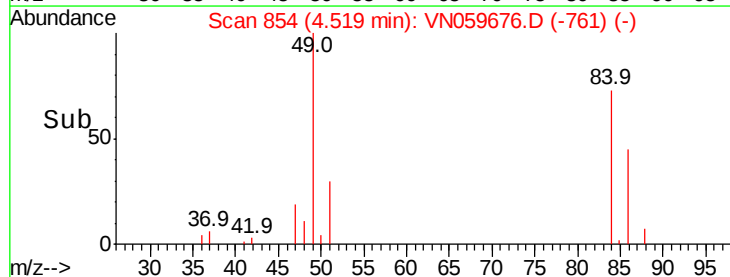
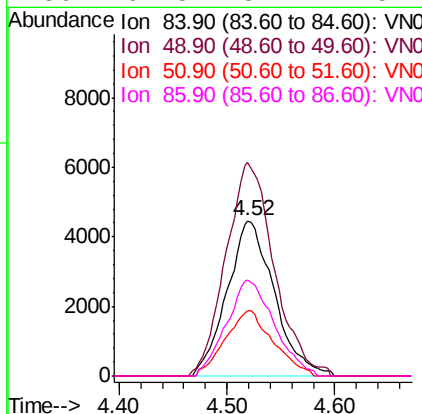
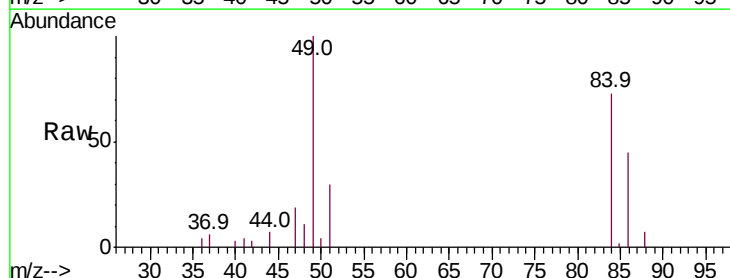
Instrument :  
MSVOA\_X  
ClientSampled :

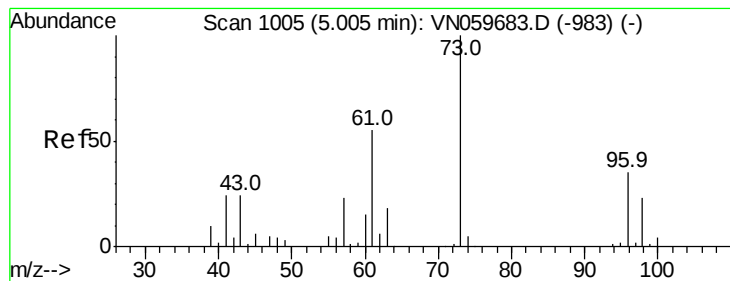
Tot Ion: 73 Resp: 5971  
Ion Ratio Lower Upper  
73 100  
57 21.4 17.6 26.4



#20  
Methylene Chloride  
Concen: 4.089 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 84 Resp: 13597  
Ion Ratio Lower Upper  
84 100  
49 137.8 108.0 162.0  
51 41.9 32.6 49.0  
86 61.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 1.803 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :  
MSVOA\_X  
ClientSampled :

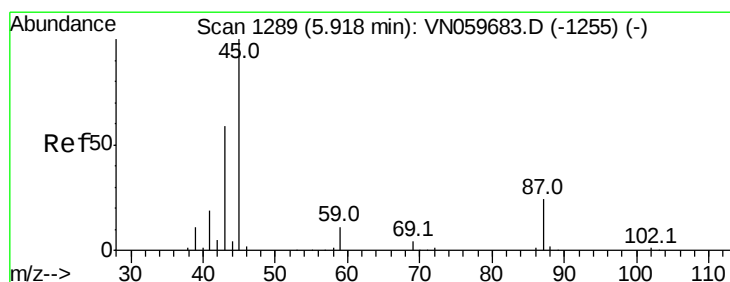
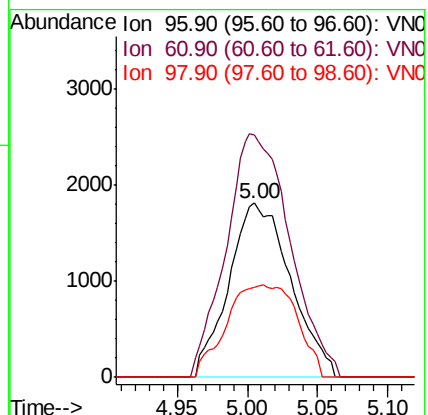
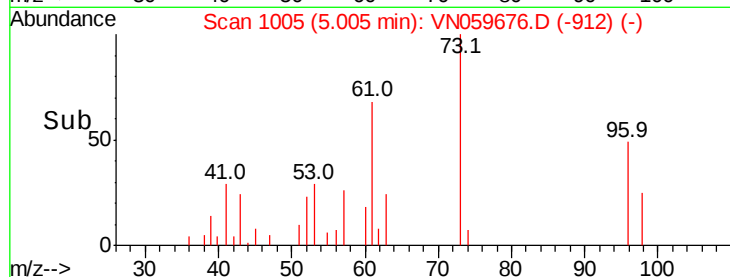
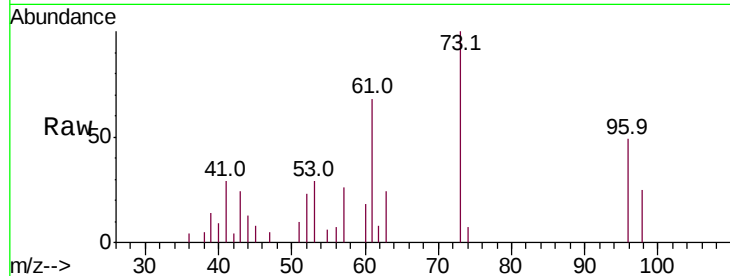
Tot Ion: 96 Resp: 5563

Ion Ratio Lower Upper

96 100

61 139.2 125.6 188.4

98 52.0 51.1 76.7



#22

Diisopropyl ether

Concen: 1.595 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Tgt Ion: 45 Resp: 16761

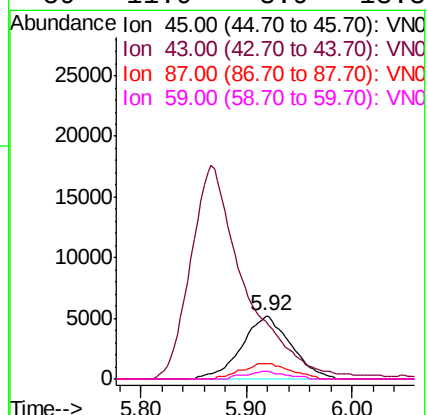
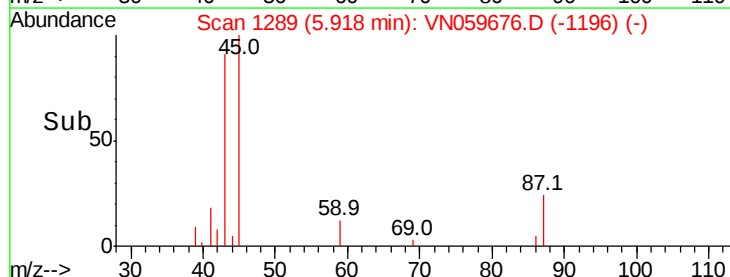
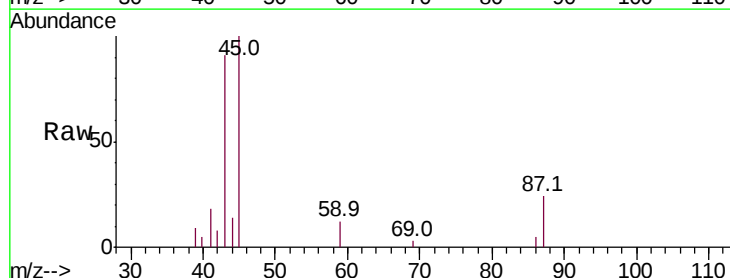
Ion Ratio Lower Upper

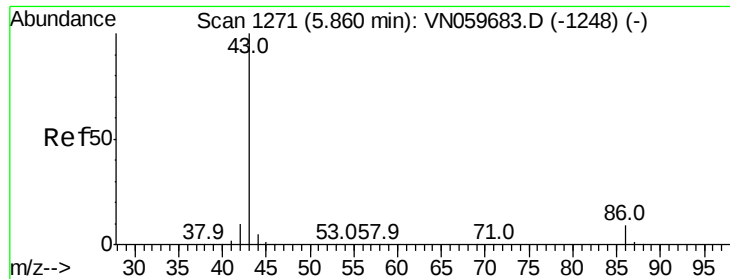
45 100

43 81.8 50.4 75.6#

87 24.0 20.1 30.1

59 11.9 8.9 13.3

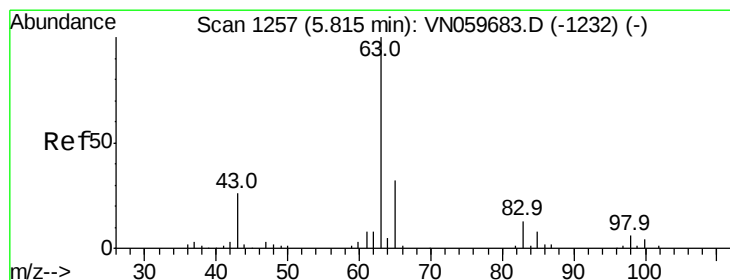
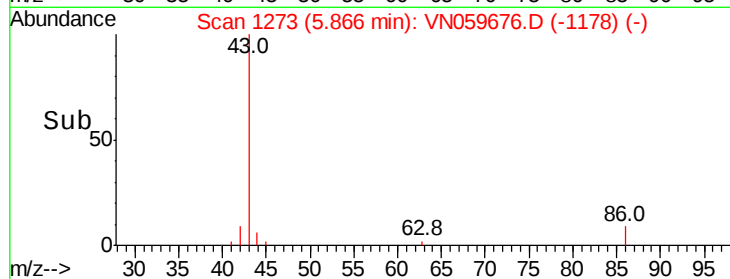
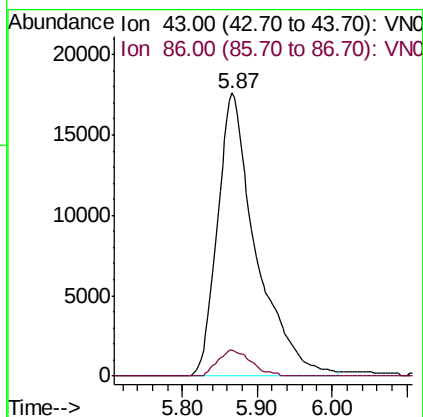
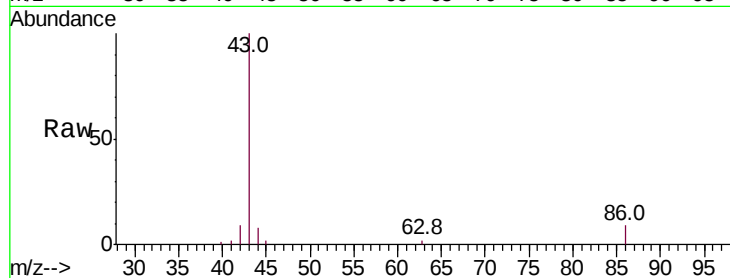




#23  
 Vinyl Acetate  
 Concen: 7.706 ug/l  
 RT: 5.87 min Scan# 1273  
 Delta R.T. 0.01 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

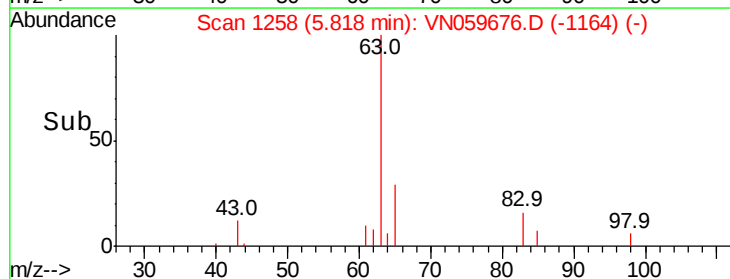
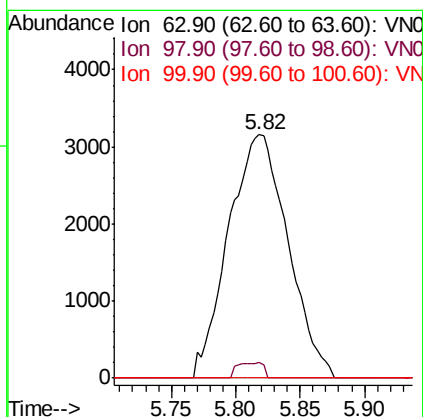
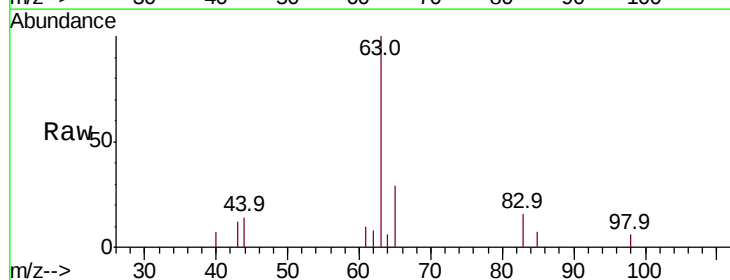
Instrument :  
 MSVOA\_X  
 ClientSampleId :

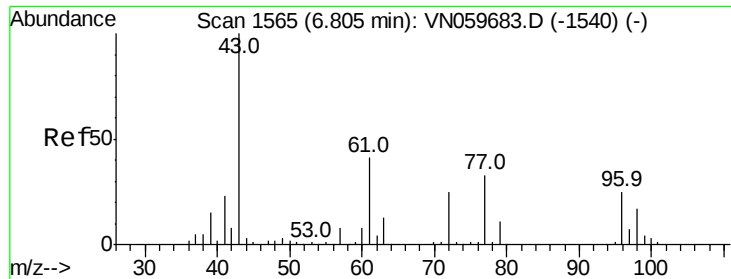
Tot Ion: 43 Resp: 62994  
 Ion Ratio Lower Upper  
 43 100  
 86 9.2 7.2 10.8



#24  
 1,1-Dichloroethane  
 Concen: 1.704 ug/l  
 RT: 5.82 min Scan# 1258  
 Delta R.T. 0.00 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

Tgt Ion: 63 Resp: 10126  
 Ion Ratio Lower Upper  
 63 100  
 98 6.3 2.9 8.6  
 100 0.0 2.0 6.0#

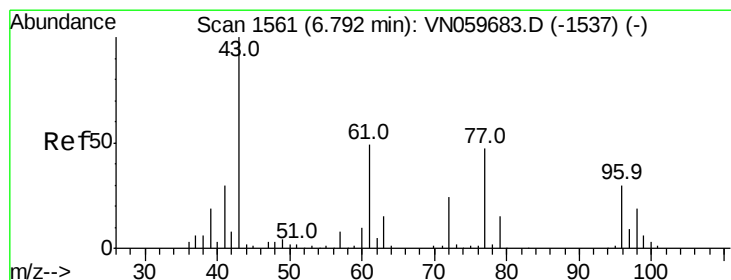
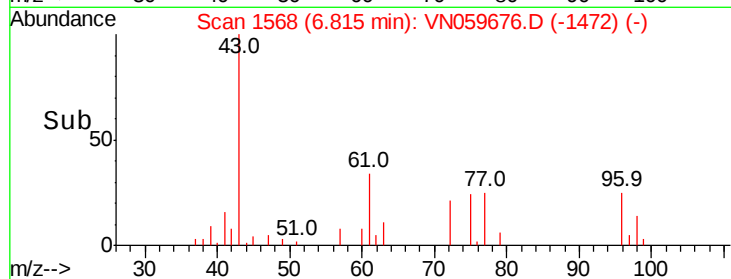
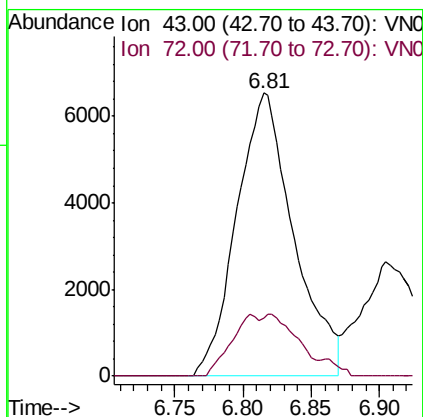
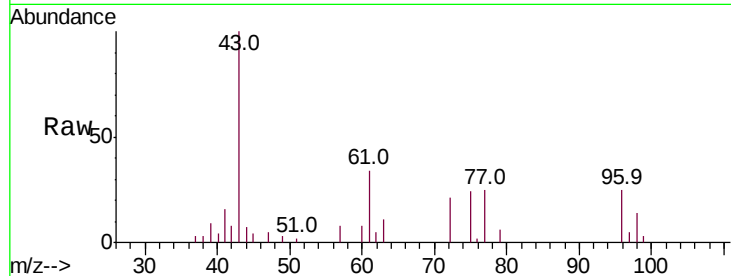




#25  
2-Butanone  
Concen: 7.024 ug/l  
RT: 6.81 min Scan# 1568  
Delta R.T. 0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

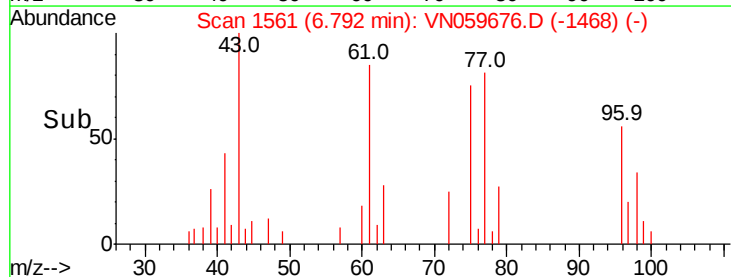
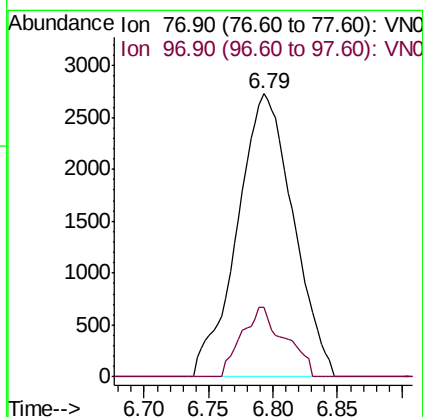
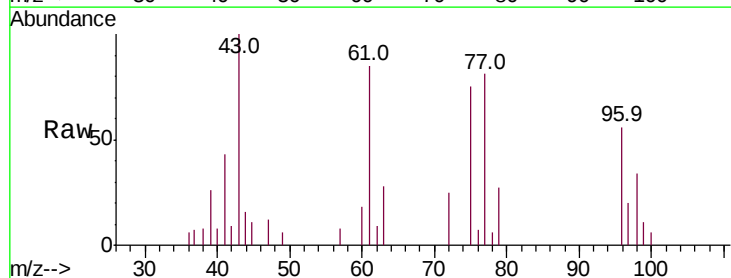
Instrument :  
MSVOA\_X  
ClientSampled :

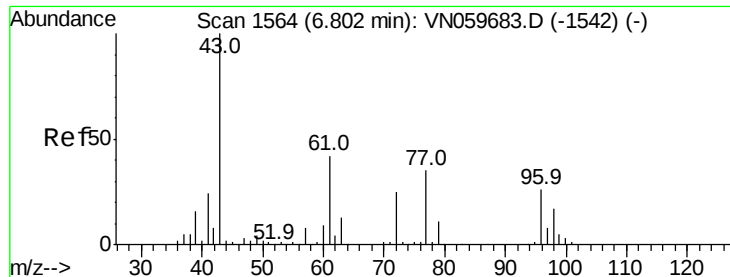
Tot Ion: 43 Resp: 19052  
Ion Ratio Lower Upper  
43 100  
72 20.7 19.8 29.8



#26  
2,2-Dichloropropane  
Concen: 1.520 ug/l  
RT: 6.79 min Scan# 1561  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 77 Resp: 8236  
Ion Ratio Lower Upper  
77 100  
97 19.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 1.738 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :  
MSVOA\_X  
ClientSampled :

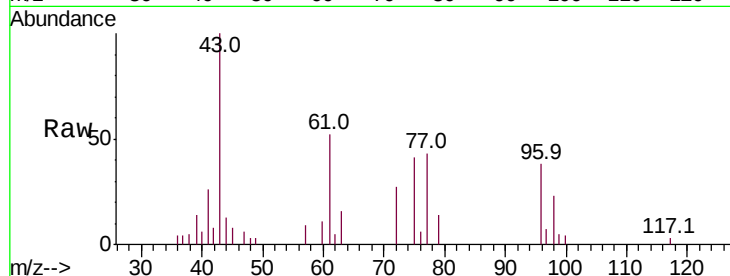
Tot Ion: 96 Resp: 5957

Ion Ratio Lower Upper

96 100

61 150.3 0.0 326.4

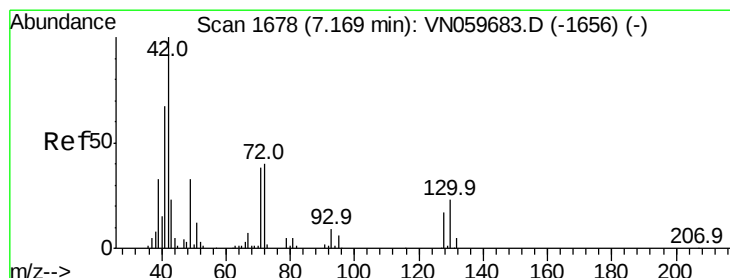
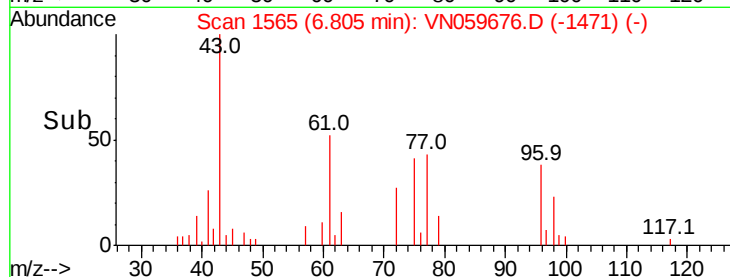
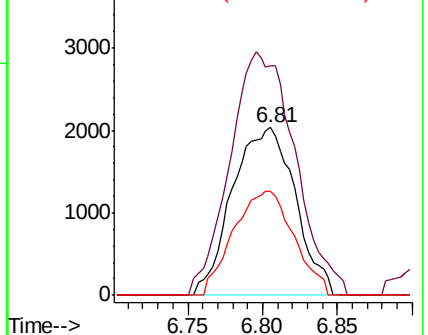
98 59.4 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN059683.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059683.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059683.D (-1542) (-)



#28

Bromochloromethane

Concen: 0.389 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

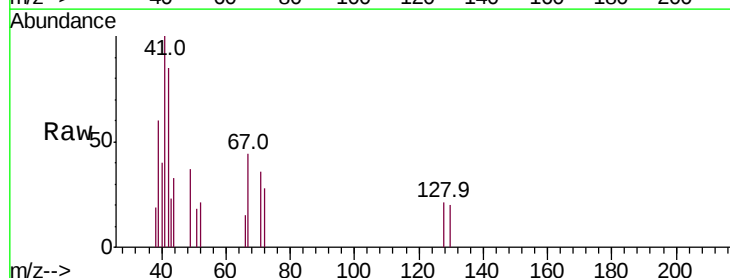
Tgt Ion: 49 Resp: 770

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

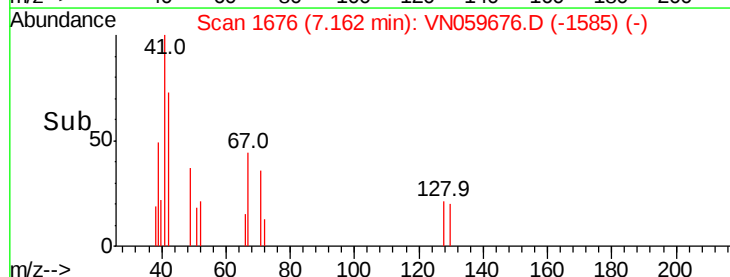
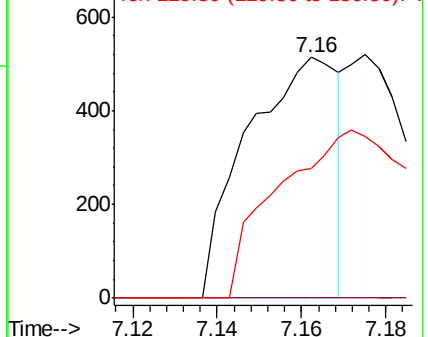
130 101.6 53.3 79.9#

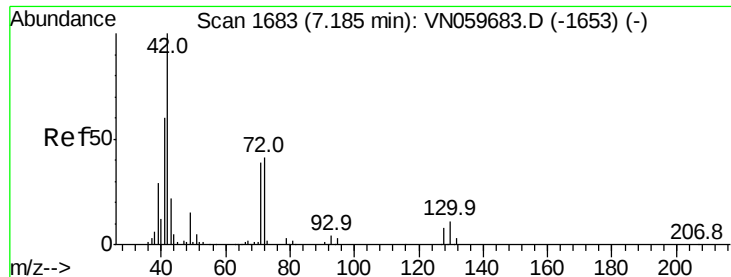


Abundance Ion 48.90 (48.60 to 49.60): VN059683.D (-1656) (-)

Ion 128.80 (128.50 to 129.50): VN059683.D (-1656) (-)

Ion 129.80 (129.50 to 130.50): VN059683.D (-1656) (-)

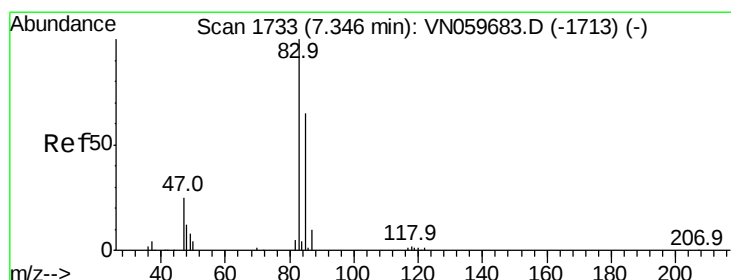
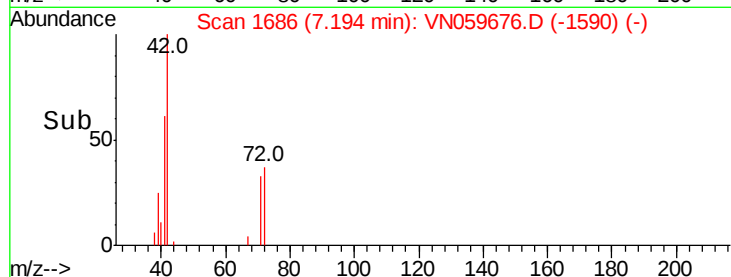
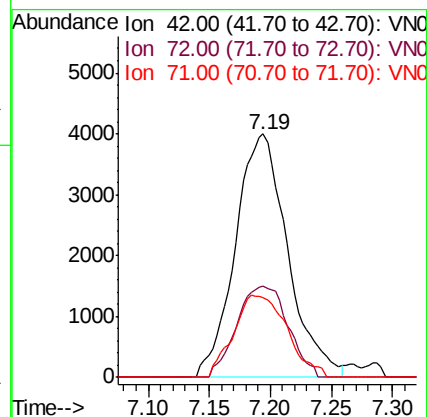
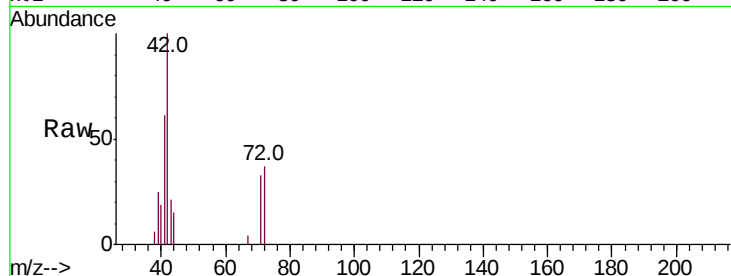




#29  
Tetrahydrofuran  
Concen: 7.051 ug/l  
RT: 7.19 min Scan# 1686  
Delta R.T. 0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

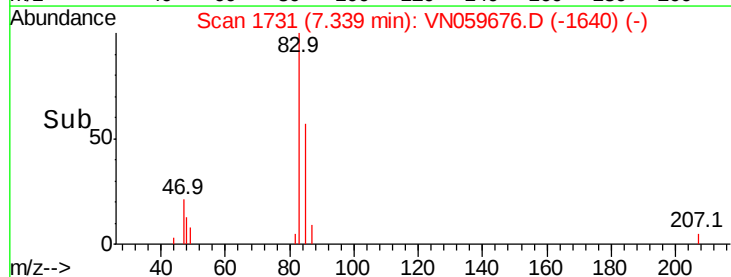
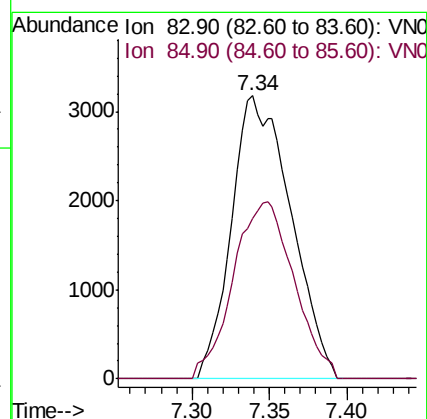
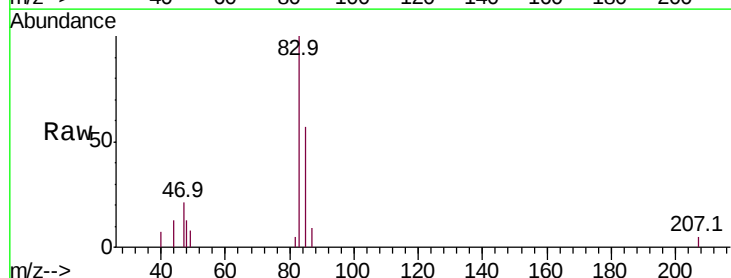
Instrument :  
MSVOA\_X  
ClientSampled :

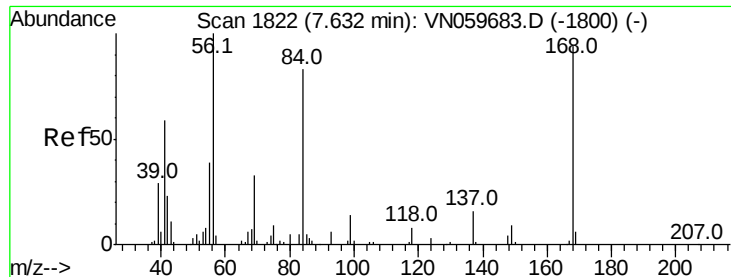
Tot Ion: 42 Resp: 11898  
Ion Ratio Lower Upper  
42 100  
72 36.7 32.6 49.0  
71 34.4 31.2 46.8



#30  
Chloroform  
Concen: 1.401 ug/l  
RT: 7.34 min Scan# 1731  
Delta R.T. -0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 83 Resp: 8493  
Ion Ratio Lower Upper  
83 100  
85 56.6 51.8 77.8

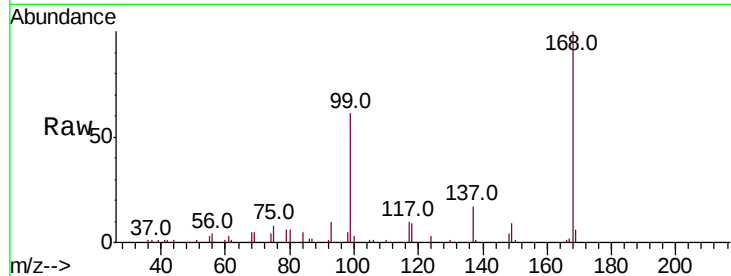




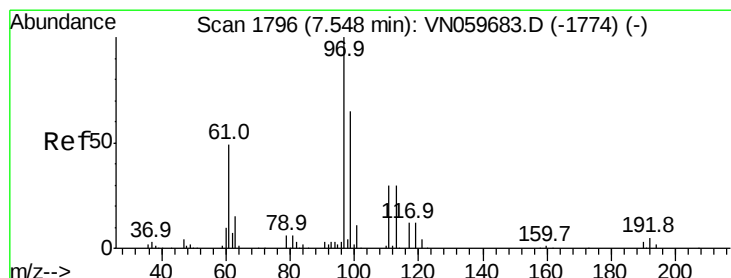
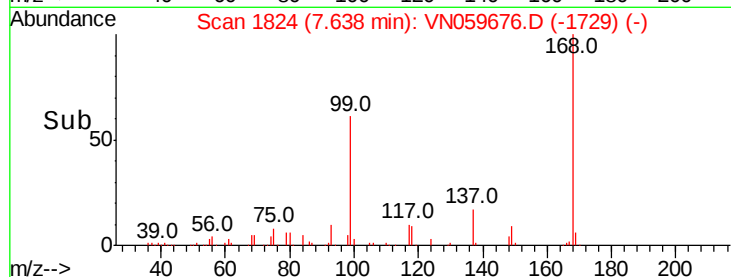
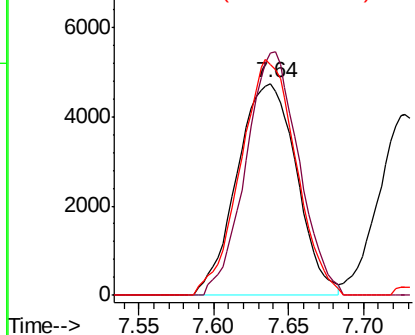
#31  
Cyclohexane  
Concen: 2.290 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 56 Resp: 13107  
Ion Ratio Lower Upper  
56 100  
69 114.6 26.4 39.6#  
84 109.3 66.2 99.2#

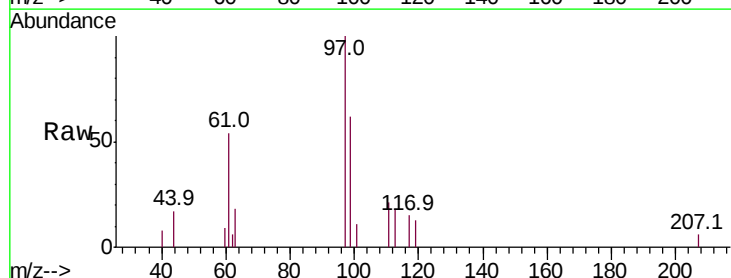


Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO

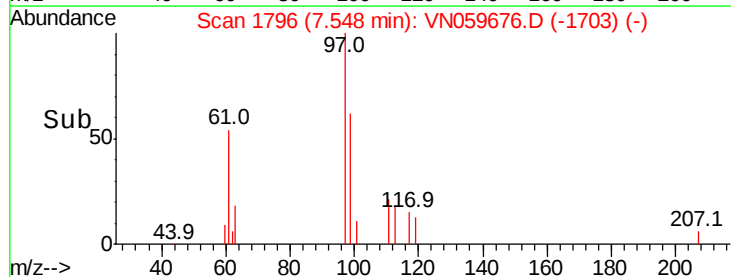
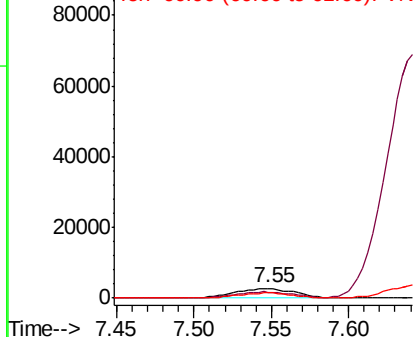


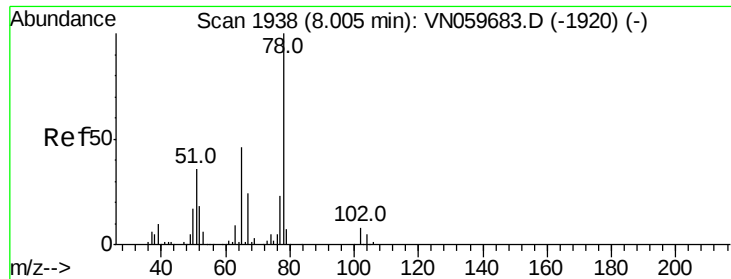
#32  
1,1,1-Trichloroethane  
Concen: 1.376 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 97 Resp: 7351  
Ion Ratio Lower Upper  
97 100  
99 0.0 51.4 77.0#  
61 49.1 38.9 58.3



Abundance Ion 96.90 (96.60 to 97.60): VNO  
Ion 98.90 (98.60 to 99.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO

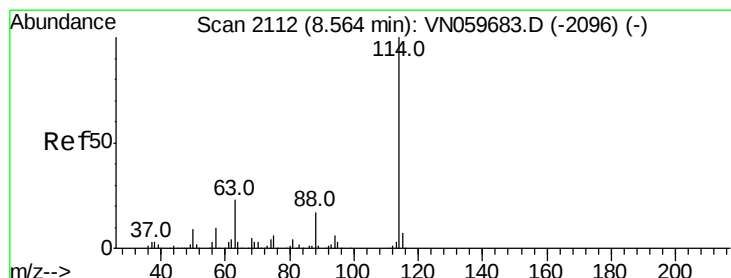
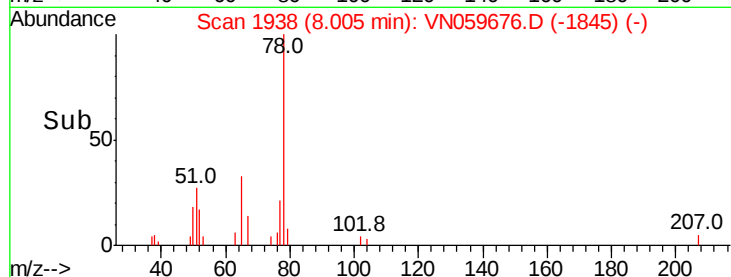
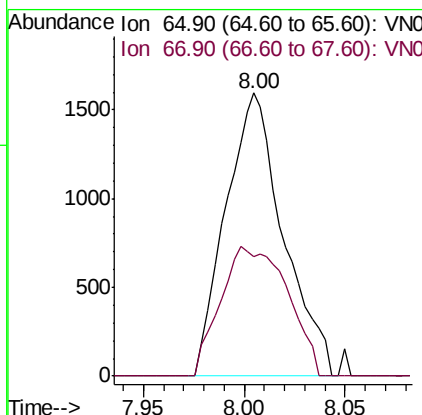
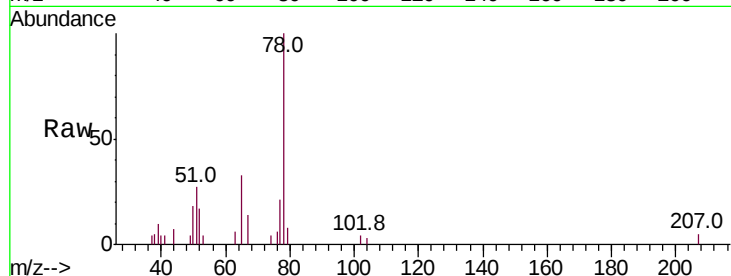




#33  
 1,2-Dichloroethane-d4  
 Concen: 0.816 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

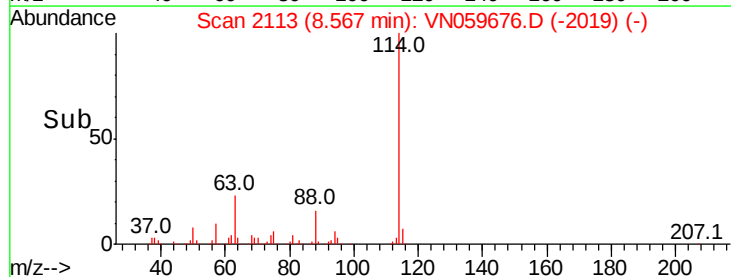
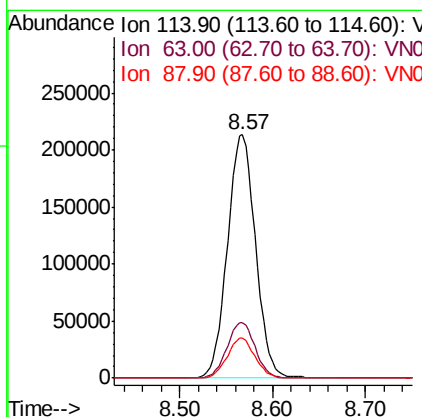
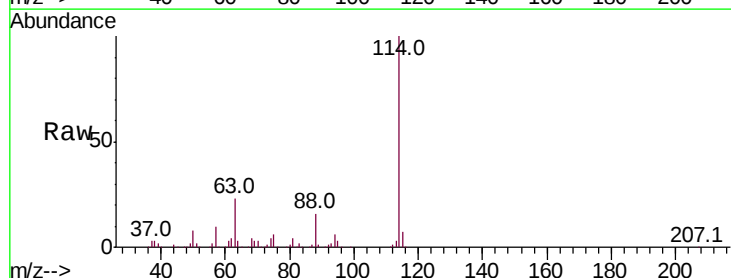
Instrument :  
 MSVOA\_X  
 ClientSampleId :

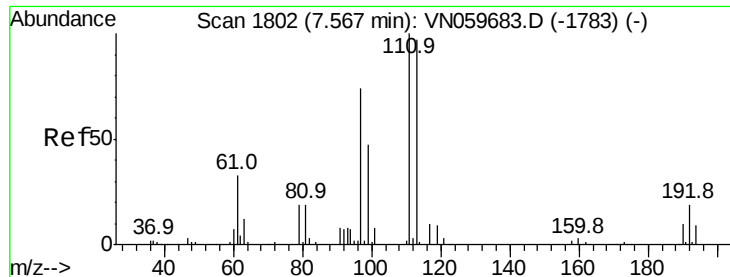
Tot Ion: 65 Resp: 3171  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

Tgt Ion: 114 Resp: 448329  
 Ion Ratio Lower Upper  
 114 100  
 63 22.7 0.0 46.2  
 88 16.4 0.0 33.6

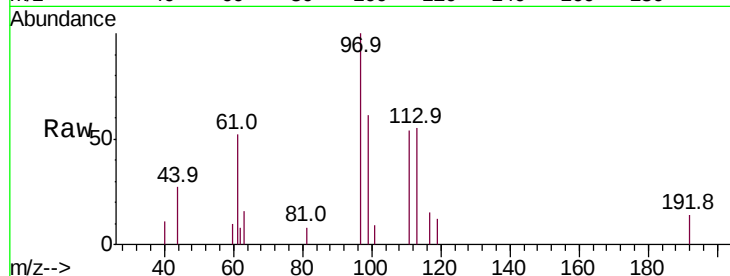




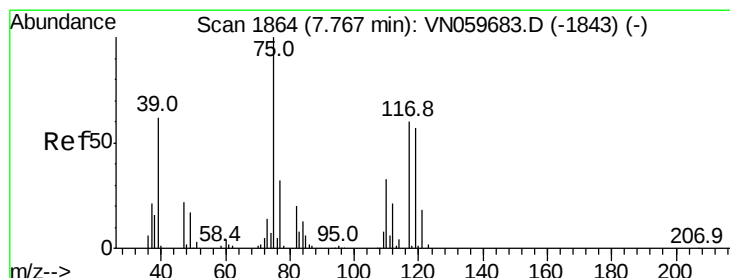
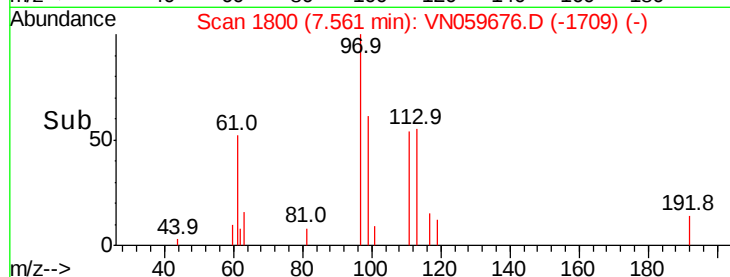
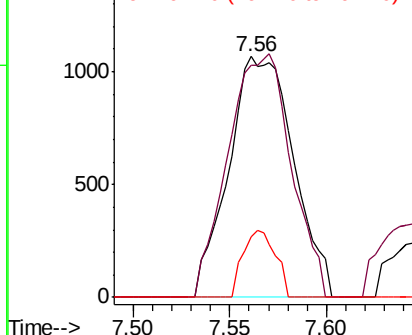
#35  
 Dibromofluoromethane  
 Concen: 0.902 ug/l  
 RT: 7.56 min Scan# 1800  
 Delta R.T. -0.01 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion:113 Resp: 2486  
 Ion Ratio Lower Upper  
 113 100  
 111 98.5 81.4 122.0  
 192 13.9 14.9 22.3#

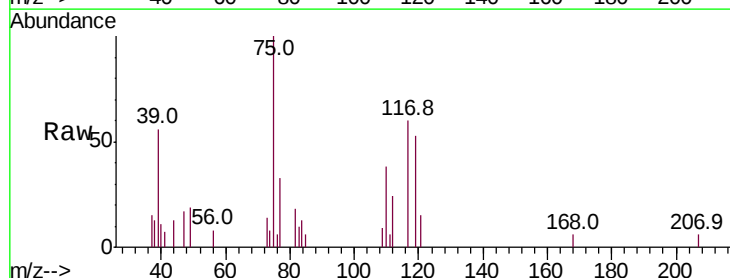


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

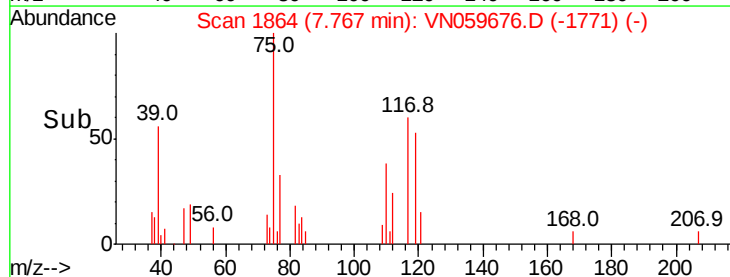
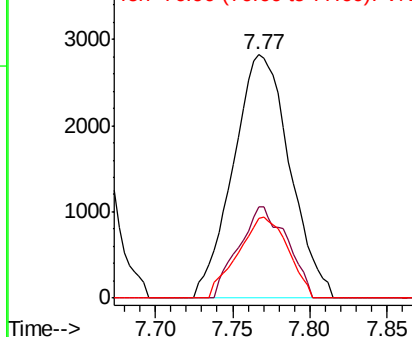


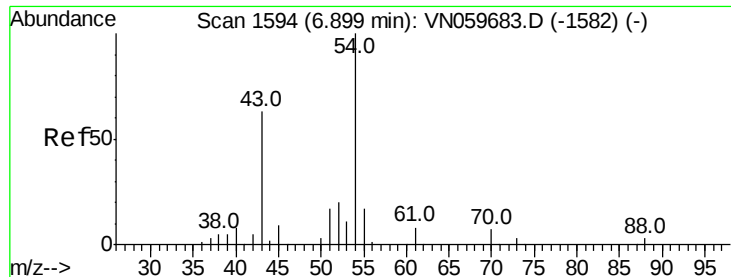
#36  
 1,1-Dichloropropene  
 Concen: 1.547 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

Tgt Ion: 75 Resp: 7173  
 Ion Ratio Lower Upper  
 75 100  
 110 32.3 16.2 48.5  
 77 29.5 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): V

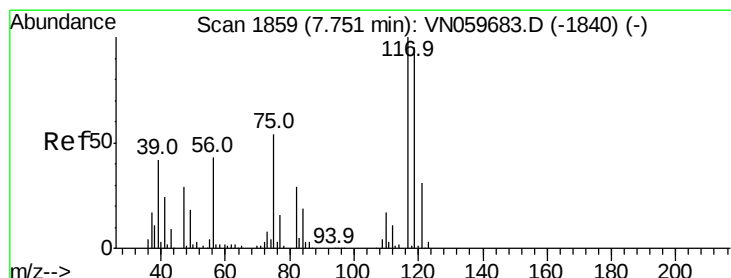
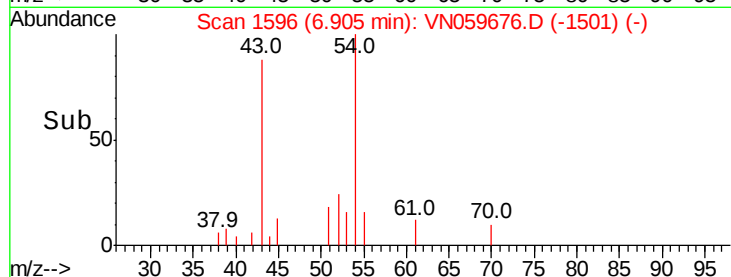
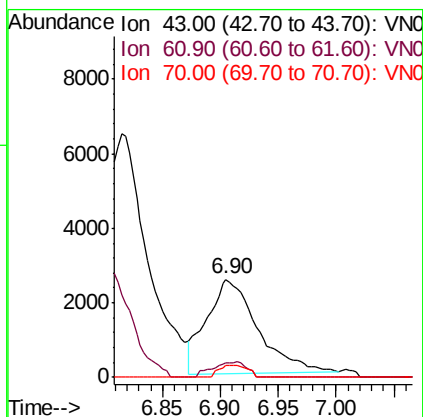
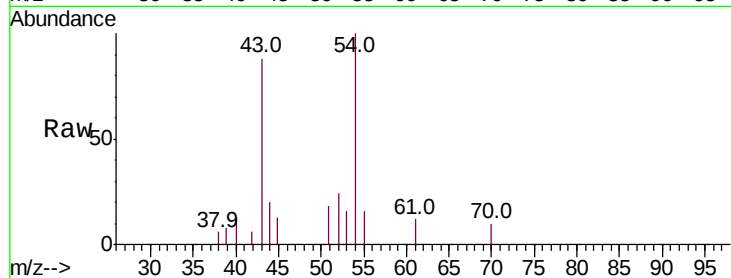




#37  
Ethyl Acetate  
Concen: 1.437 ug/l  
RT: 6.90 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

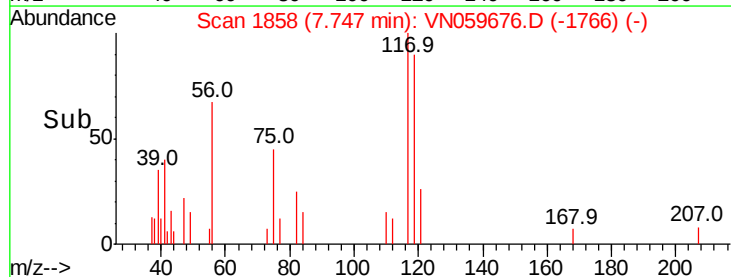
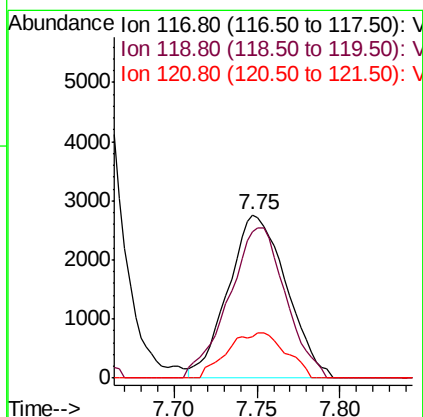
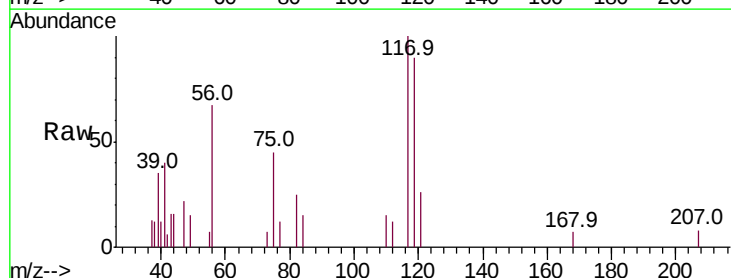
Instrument :  
MSVOA\_X  
ClientSampleId :

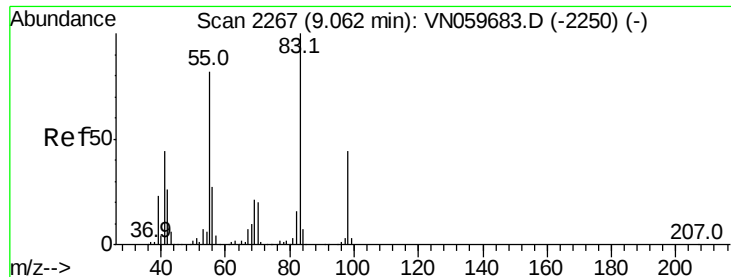
Tot Ion: 43 Resp: 7763  
Ion Ratio Lower Upper  
43 100  
61 10.9 10.2 15.4  
70 7.1 7.6 11.4#



#38  
Carbon Tetrachloride  
Concen: 1.393 ug/l  
RT: 7.75 min Scan# 1858  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 117 Resp: 6719  
Ion Ratio Lower Upper  
117 100  
119 89.5 76.1 114.1  
121 25.7 24.5 36.7

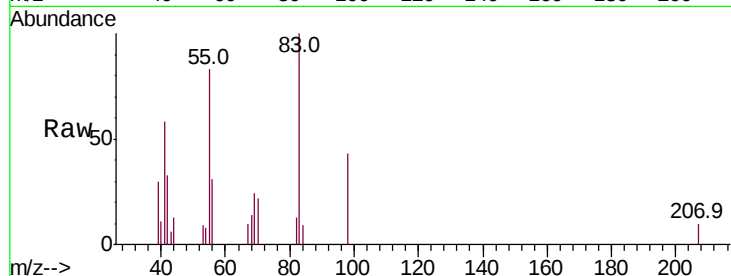




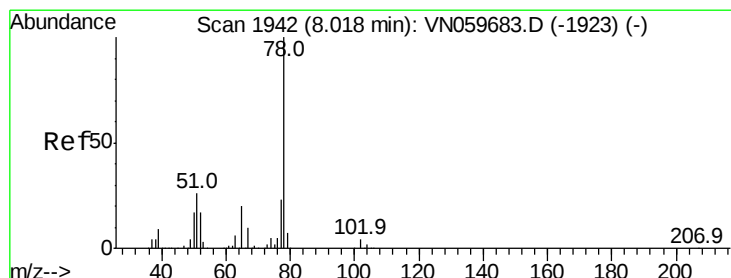
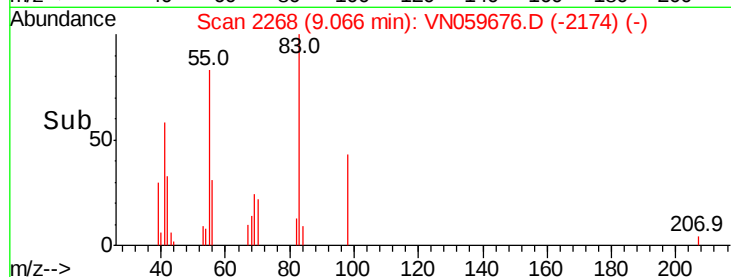
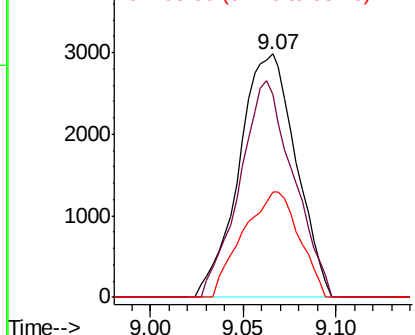
#39  
Methvlcvclohexane  
Concen: 1.168 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. 0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 83 Resp: 6358  
Ion Ratio Lower Upper  
83 100  
55 83.1 65.5 98.3  
98 43.0 35.0 52.4

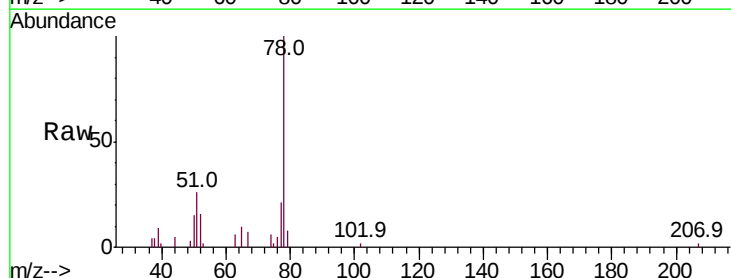


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

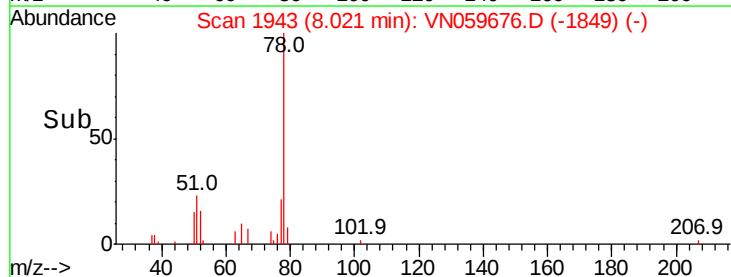
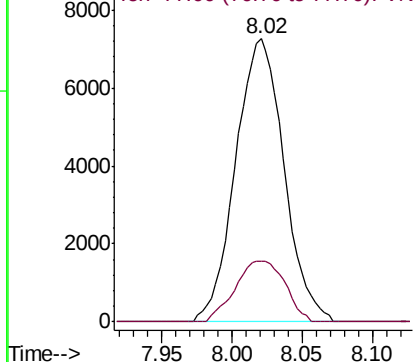


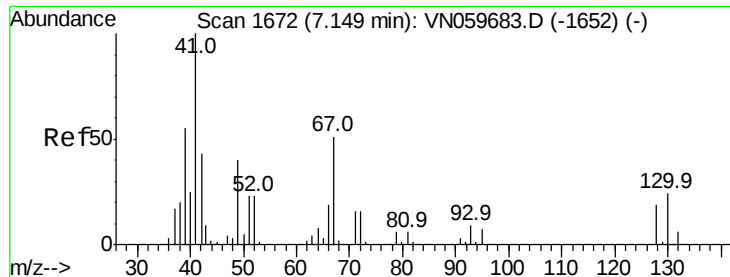
#40  
Benzene  
Concen: 1.284 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 78 Resp: 17412  
Ion Ratio Lower Upper  
78 100  
77 21.4 18.6 28.0



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

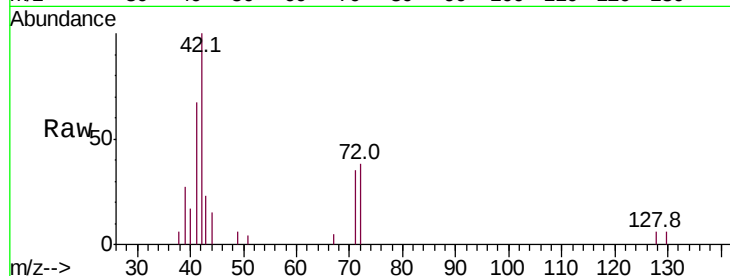




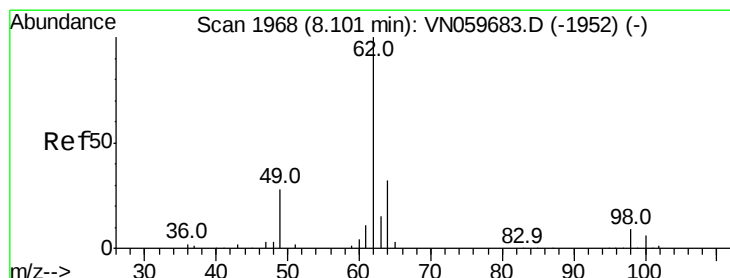
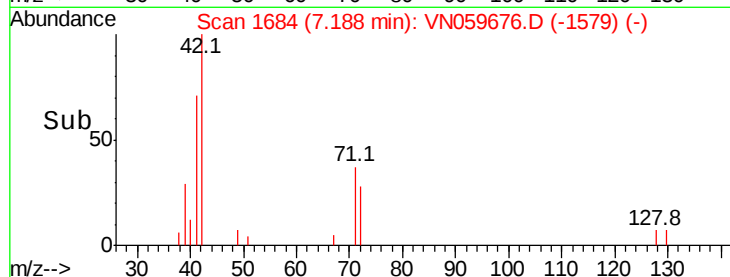
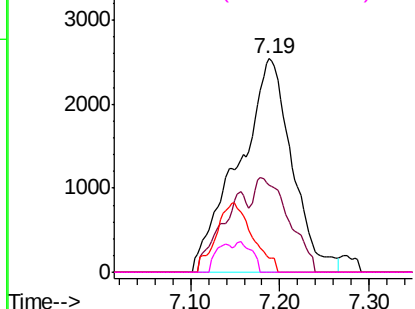
#41  
Methacrylonitrile  
Concen: 4.820 ug/l  
RT: 7.19 min Scan# 1684  
Delta R.T. 0.04 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 10627 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 29.4  | 0.0   | 0.0#  |
| 67       | 0.0   | 0.0   | 0.0   |
| 52       | 0.0   | 0.0   | 0.0   |

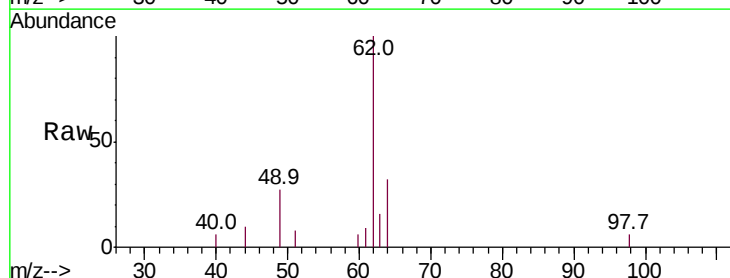


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC  
Ion 67.00 (66.70 to 67.70): VNC  
Ion 52.00 (51.70 to 52.70): VNC

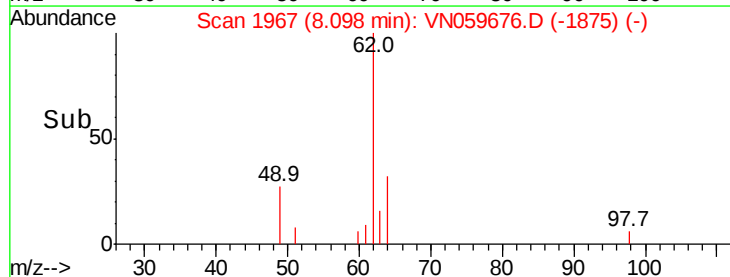
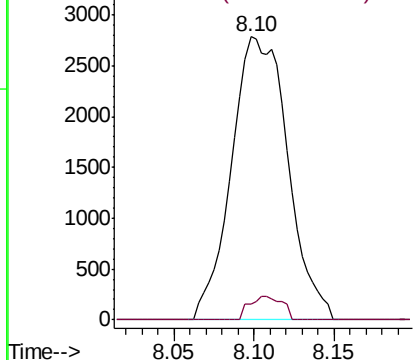


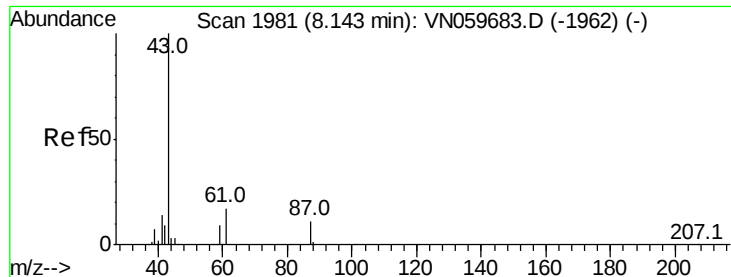
#42  
1,2-Dichloroethane  
Concen: 1.275 ug/l  
RT: 8.10 min Scan# 1967  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 6727  |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 4.8   | 0.0   | 16.6  |



Abundance Ion 61.90 (61.60 to 62.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 1.125 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :

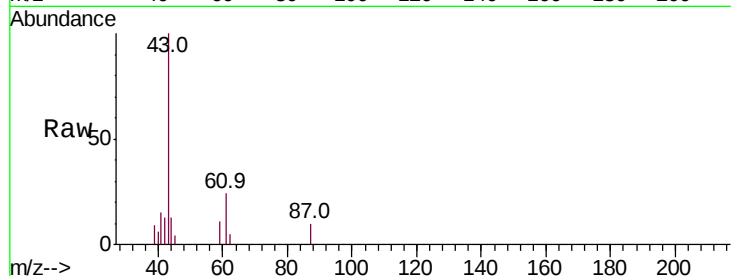
Tot Ion: 43 Resp: 9603

Ion Ratio Lower Upper

43 100

61 26.2 20.6 30.8

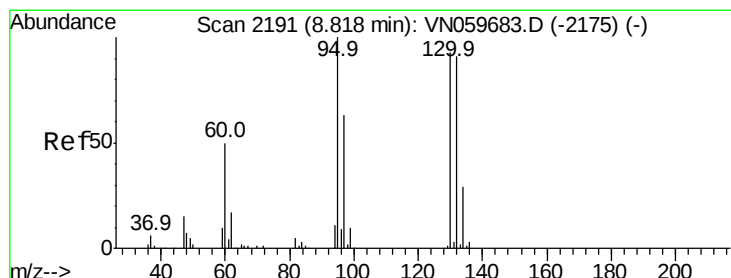
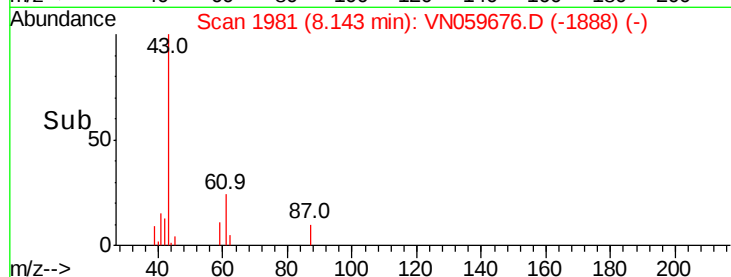
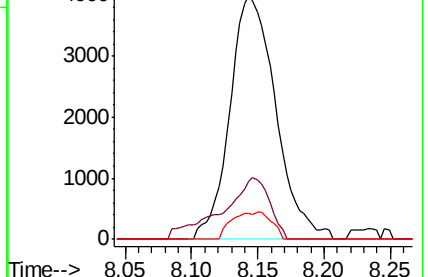
87 9.6 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN059683.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059683.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059683.D (-1962) (-)



#44

Trichloroethene

Concen: 1.321 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059676.D

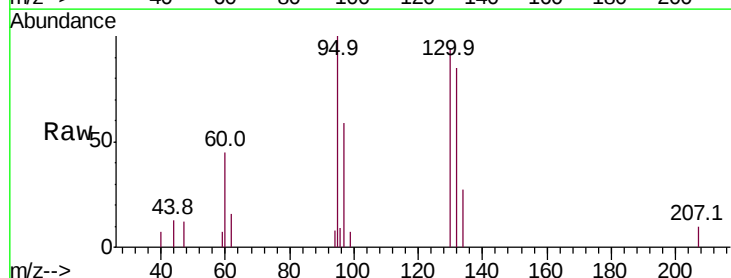
Acq: 20 Dec 2019 13:25

Tgt Ion:130 Resp: 4659

Ion Ratio Lower Upper

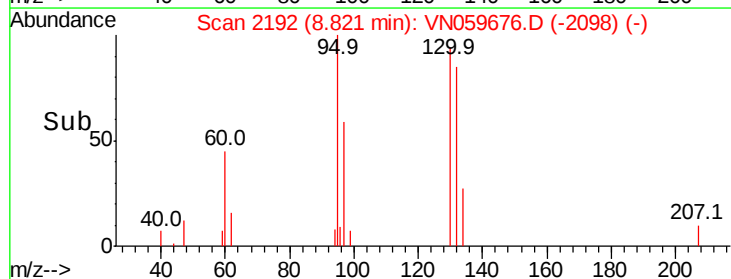
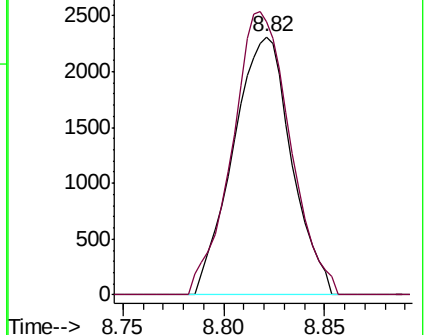
130 100

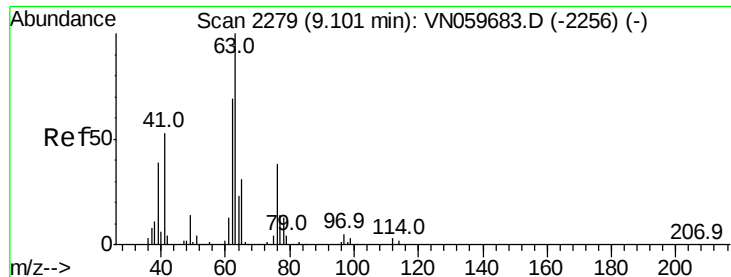
95 106.0 0.0 214.8



Abundance Ion 129.80 (129.50 to 130.50): VN059683.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059683.D (-2175) (-)

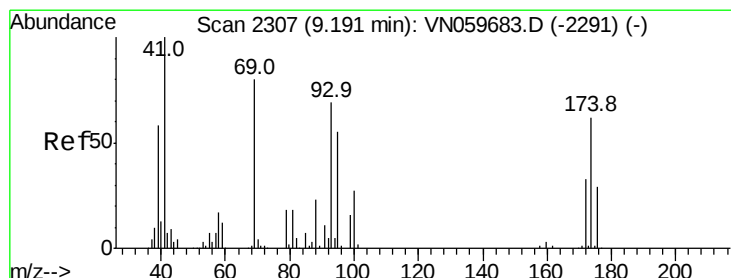
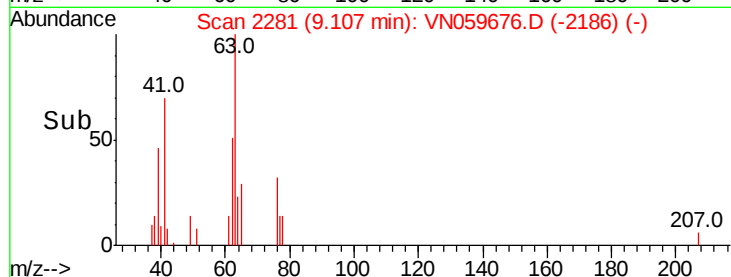
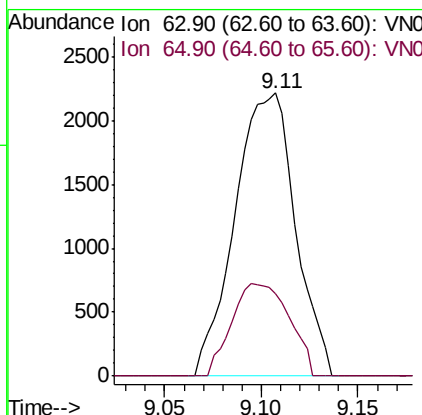
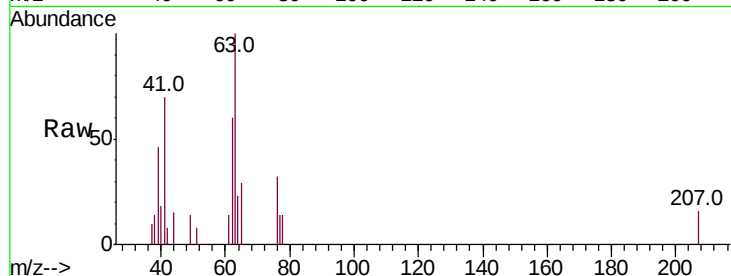




#45  
 1,2-Dichloropropane  
 Concen: 1.266 ug/l  
 RT: 9.11 min Scan# 2281  
 Delta R.T. 0.01 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

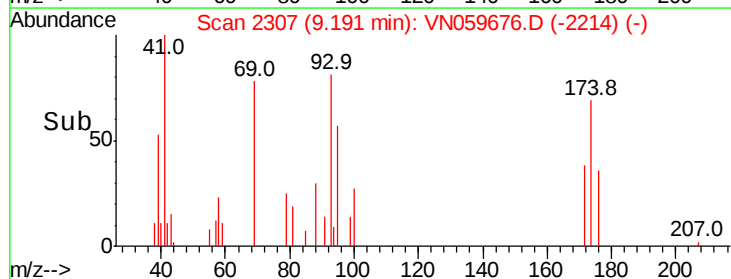
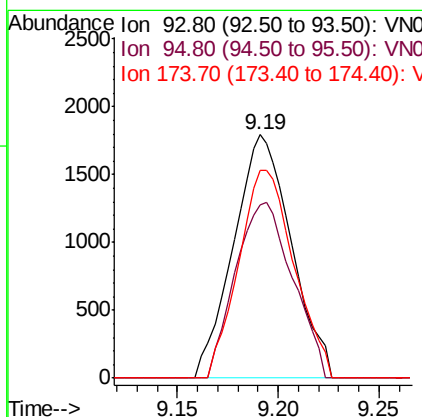
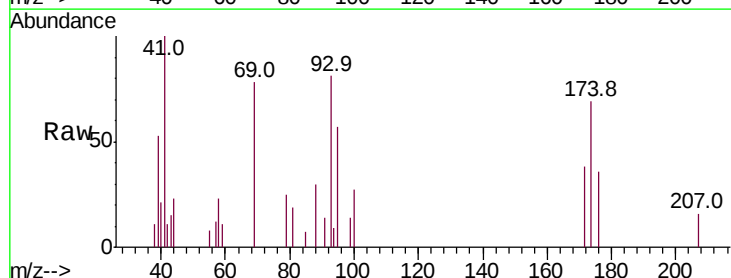
Instrument :  
 MSVOA\_X  
 ClientSampleId :

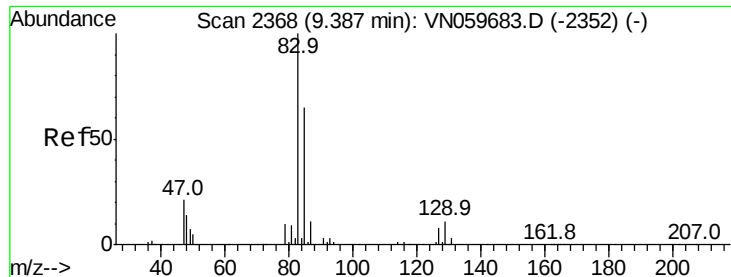
Tot Ion: 63 Resp: 4809  
 Ion Ratio Lower Upper  
 63 100  
 65 29.3 24.4 36.6



#46  
 Dibromomethane  
 Concen: 1.475 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

Tgt Ion: 93 Resp: 3579  
 Ion Ratio Lower Upper  
 93 100  
 95 71.6 65.2 97.8  
 174 81.8 73.1 109.7





#47

Bromodichloromethane

Concen: 1.401 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :

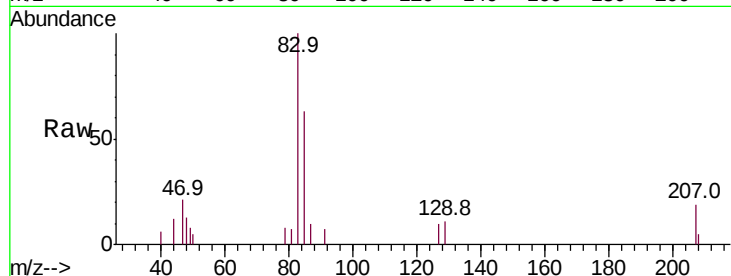
Tot Ion: 83 Resp: 6793

Ion Ratio Lower Upper

83 100

85 63.4 52.1 78.1

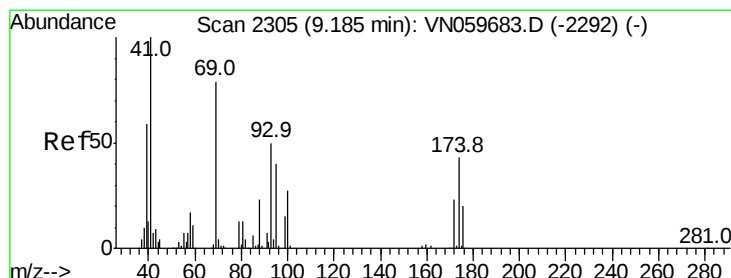
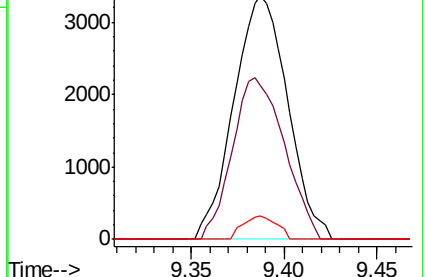
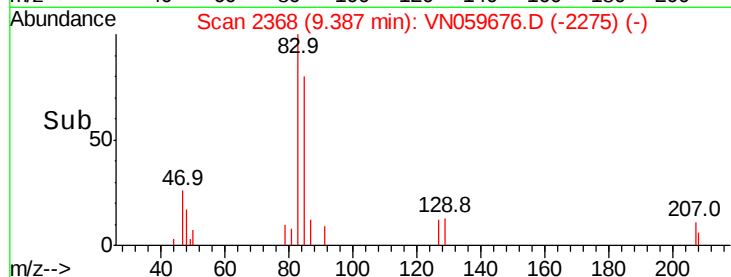
127 9.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN059676.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059676.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059676.D (-2275) (-)



#48

Methyl methacrylate

Concen: 1.225 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

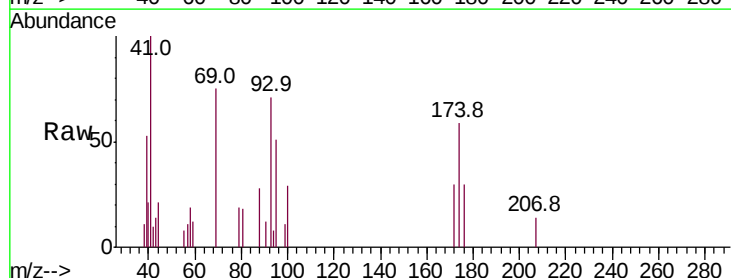
Tgt Ion: 41 Resp: 4716

Ion Ratio Lower Upper

41 100

69 74.5 63.0 94.6

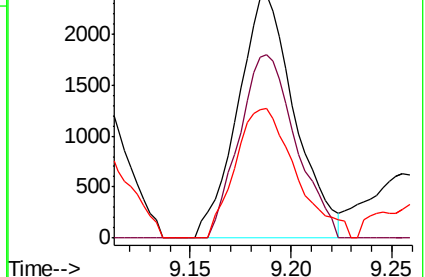
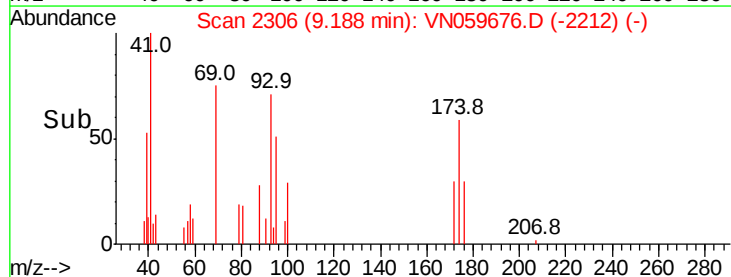
39 56.3 48.0 72.0

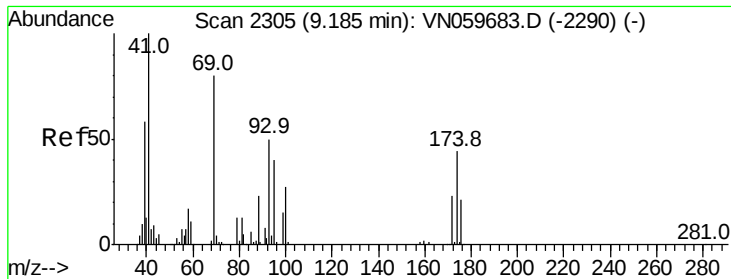


Abundance Ion 41.00 (40.70 to 41.70): VN059676.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059676.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059676.D (-2212) (-)

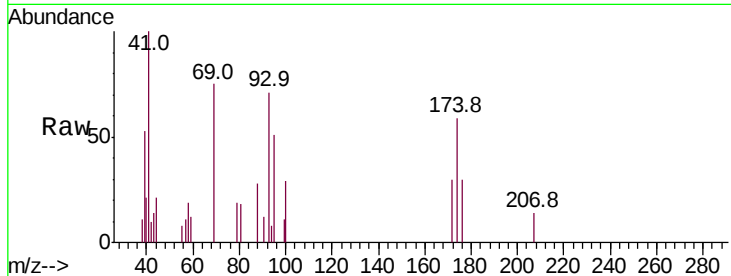




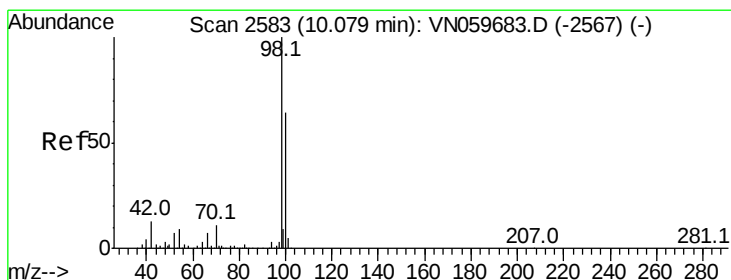
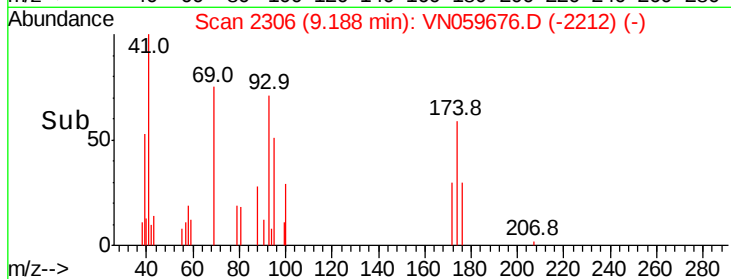
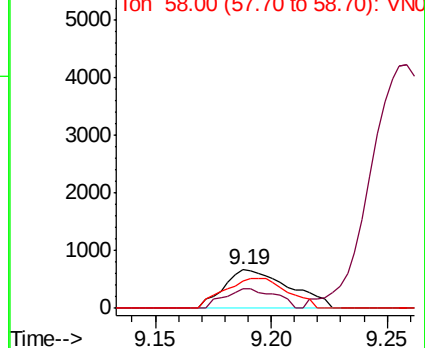
#49  
1,4-Dioxane  
Concen: 24.253 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. 0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 88 Resp: 1302  
Ion Ratio Lower Upper  
88 100  
43 39.1 30.2 45.4  
58 75.7 60.1 90.1

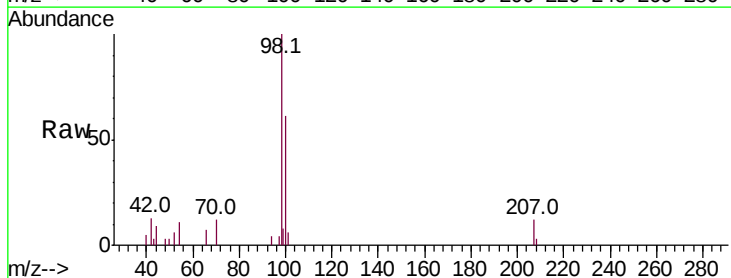


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

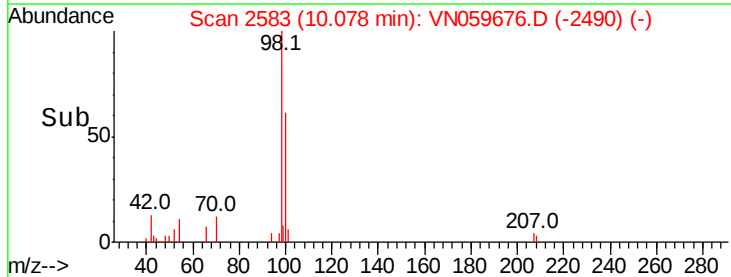
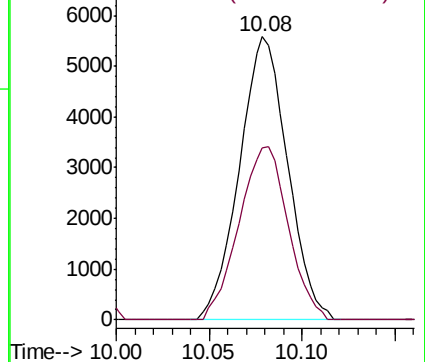


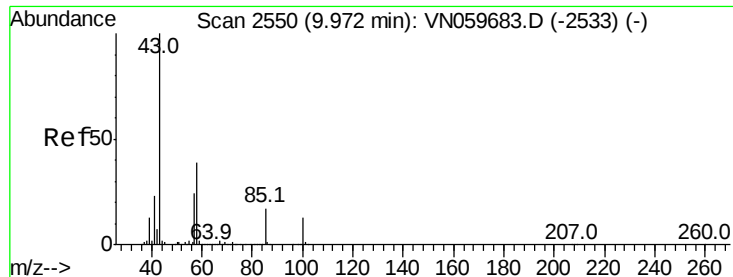
#50  
Toluene-d8  
Concen: 0.921 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 98 Resp: 10062  
Ion Ratio Lower Upper  
98 100  
100 62.4 51.8 77.6



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





#51

4-Methyl-2-Pentanone

Concen: 6.165 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

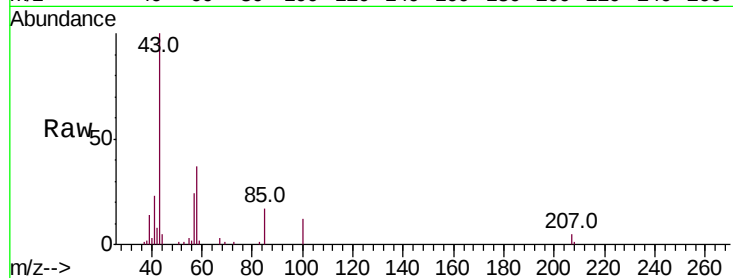
ClientSampleId :

Tot Ion: 43 Resp: 31217

Ion Ratio Lower Upper

43 100

58 37.7 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN059683.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN059683.D (-2533) (-)

9.97

15000

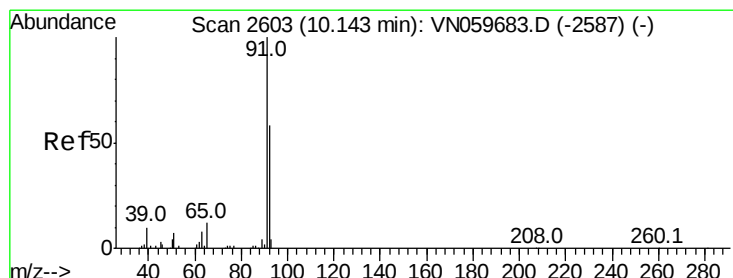
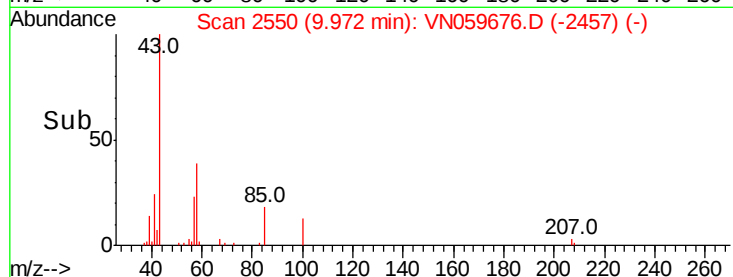
10000

5000

0

9.90 9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 1.448 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059676.D

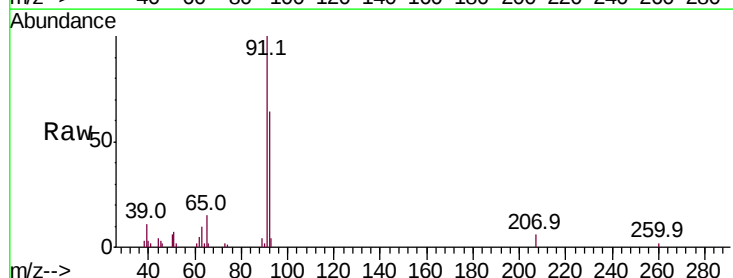
Acq: 20 Dec 2019 13:25

Tgt Ion: 92 Resp: 12410

Ion Ratio Lower Upper

92 100

91 167.0 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VN059683.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059683.D (-2587) (-)

10.14

12000

10000

8000

6000

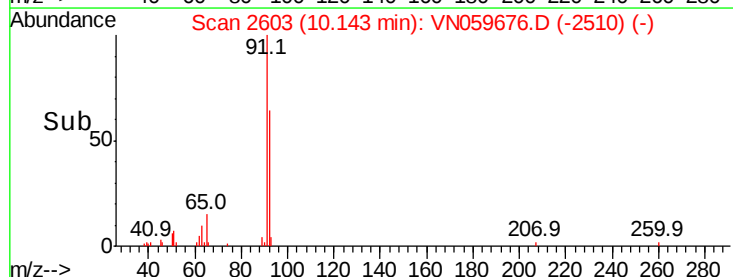
4000

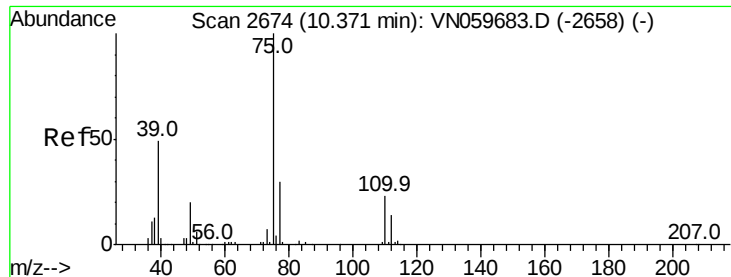
2000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 1.312 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

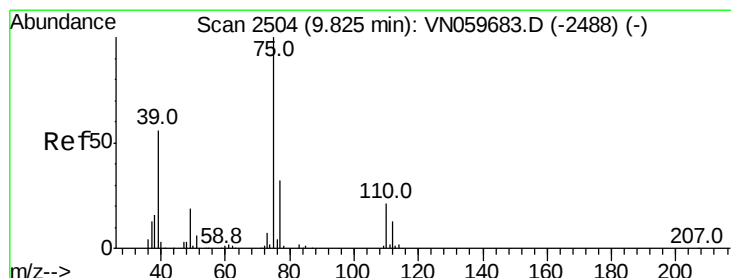
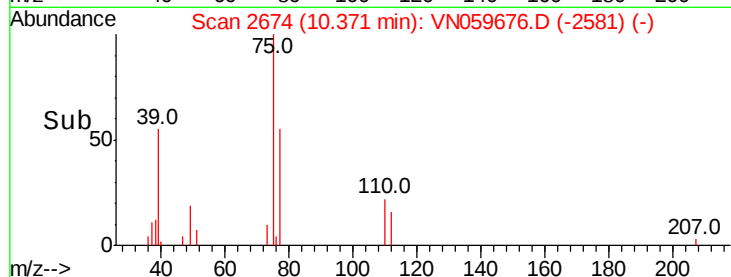
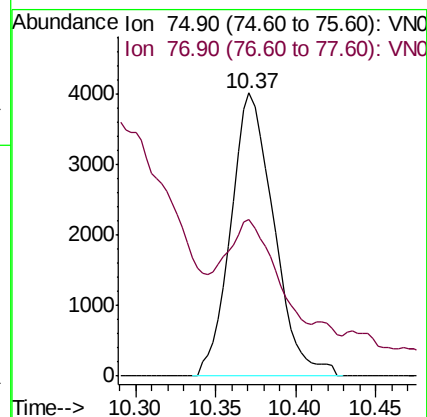
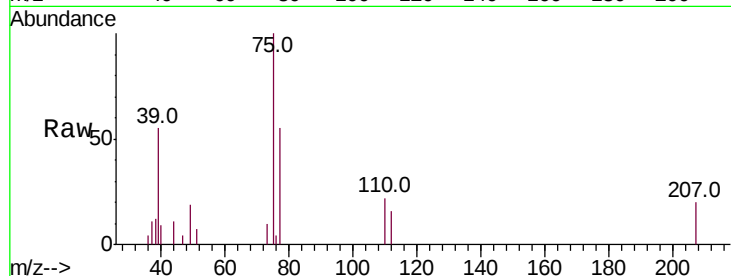
ClientSampled :

Tot Ion: 75 Resp: 7371

Ion Ratio Lower Upper

75 100

77 40.9 24.9 37.3#



#54

cis-1,3-Dichloropropene

Concen: 1.245 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

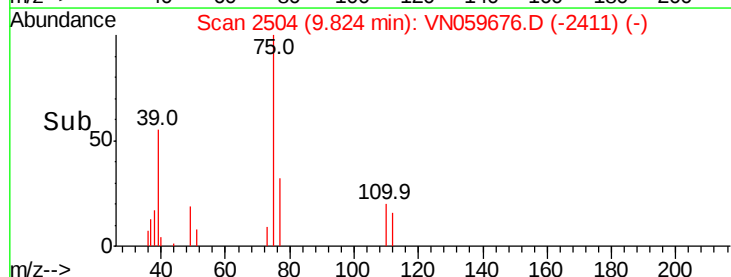
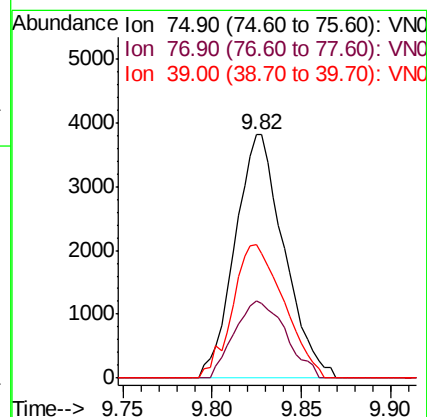
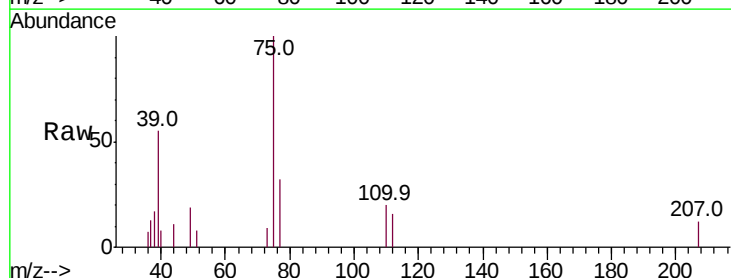
Tgt Ion: 75 Resp: 7277

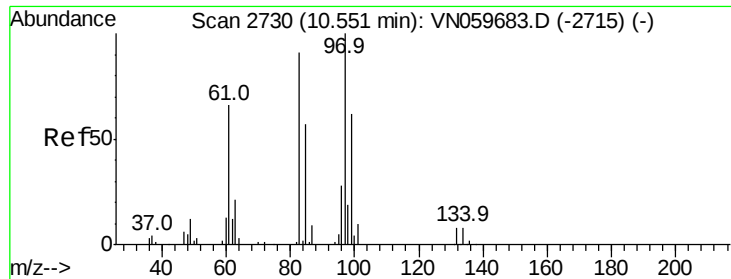
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 54.9 44.6 66.8

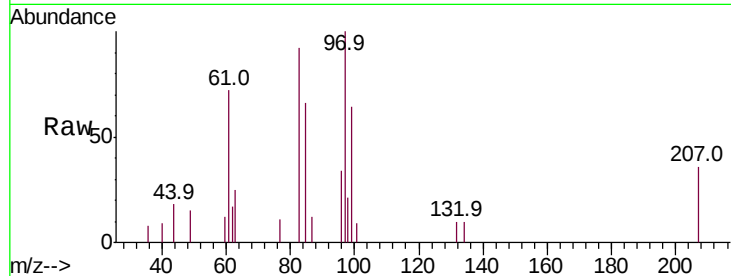




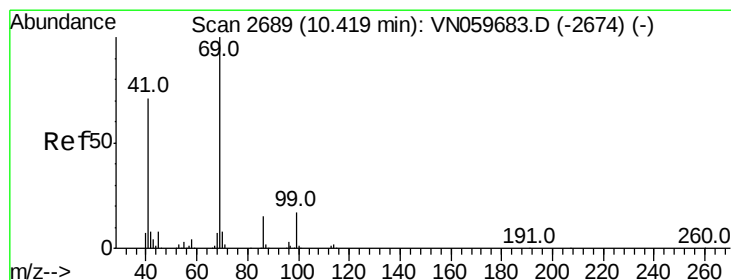
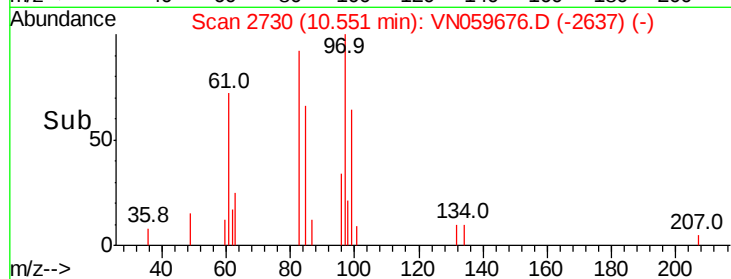
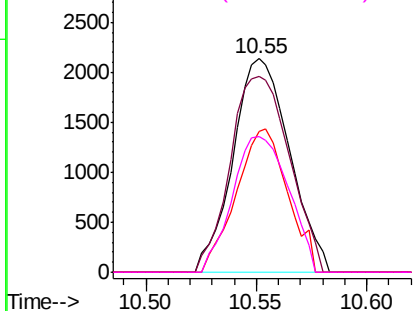
#55  
 1,1,2-Trichloroethane  
 Concen: 1.146 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. -0.00 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 3807  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.7  | 72.6  | 108.8 |
| 85       | 65.7  | 45.7  | 68.5  |
| 99       | 63.6  | 49.2  | 73.8  |

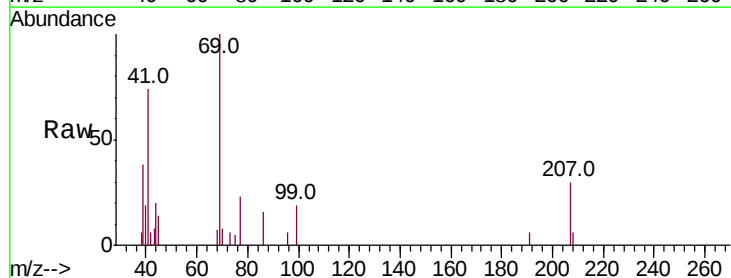


Abundance Ion 96.90 (96.60 to 97.60): VNO  
 Ion 82.90 (82.60 to 83.60): VNO  
 Ion 84.90 (84.60 to 85.60): VNO  
 Ion 98.90 (98.60 to 99.60): VNO

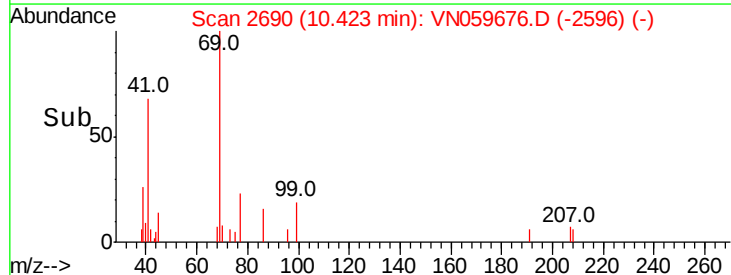
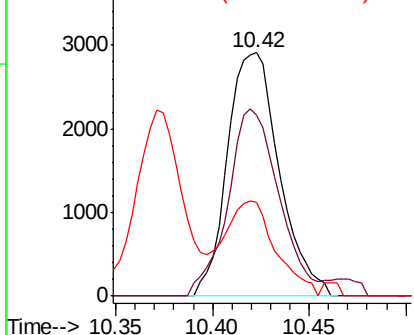


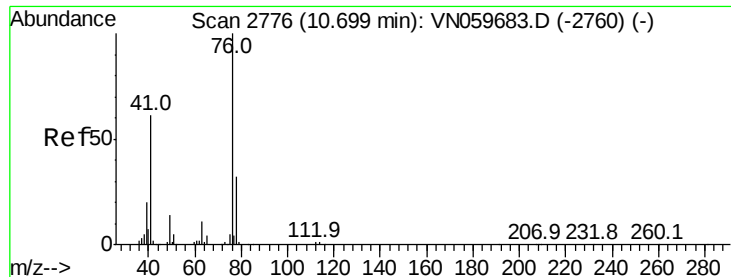
#56  
 Ethyl methacrylate  
 Concen: 1.111 ug/l  
 RT: 10.42 min Scan# 2690  
 Delta R.T. 0.00 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 5431  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 75.6  | 56.7  | 85.1  |
| 39       | 39.2  | 32.6  | 48.8  |



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





#57

1,3-Dichloropropane

Concen: 1.266 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

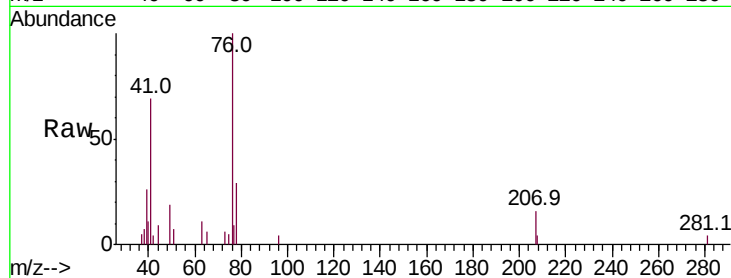
ClientSampled :

Tot Ion: 76 Resp: 7454

Ion Ratio Lower Upper

76 100

78 28.1 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

4000

3000

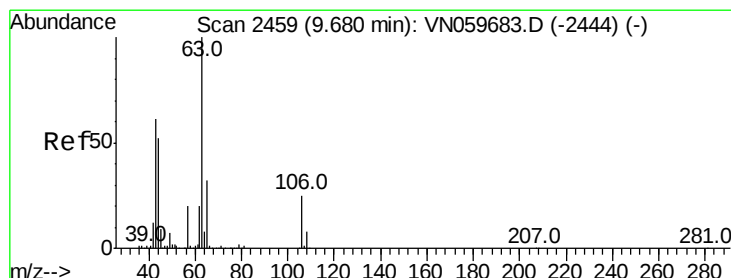
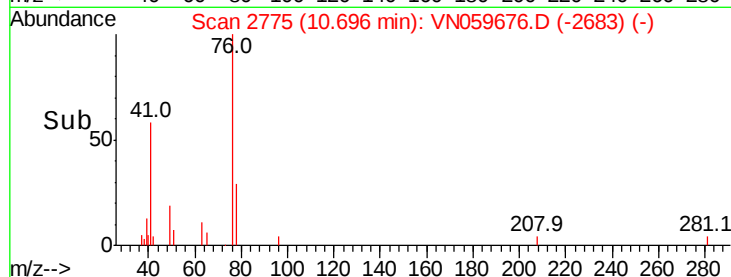
2000

1000

0

Time-->

10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 1.963 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059676.D

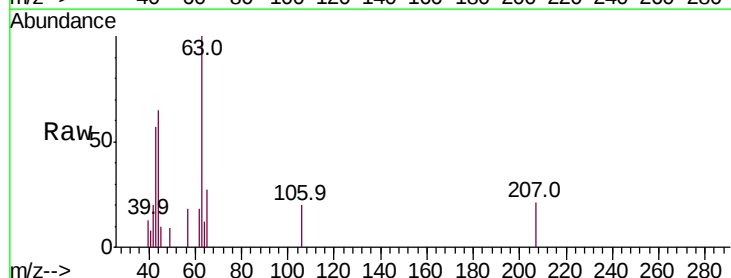
Acq: 20 Dec 2019 13:25

Tgt Ion: 63 Resp: 3147

Ion Ratio Lower Upper

63 100

106 10.1 19.9 29.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

2000

1500

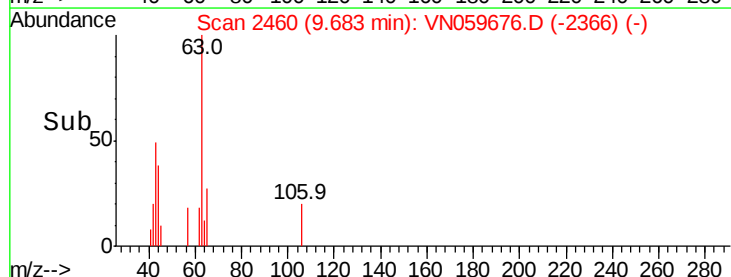
1000

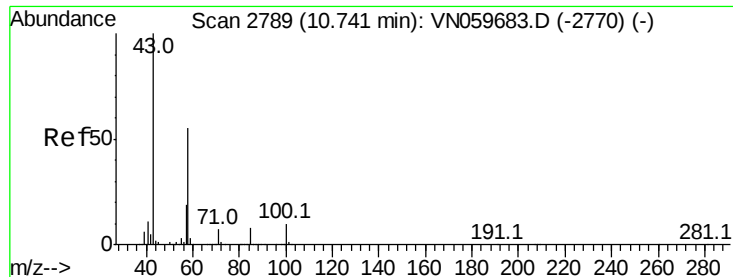
500

0

Time-->

9.65 9.70

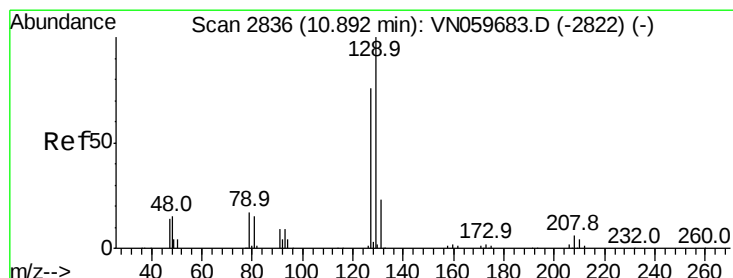
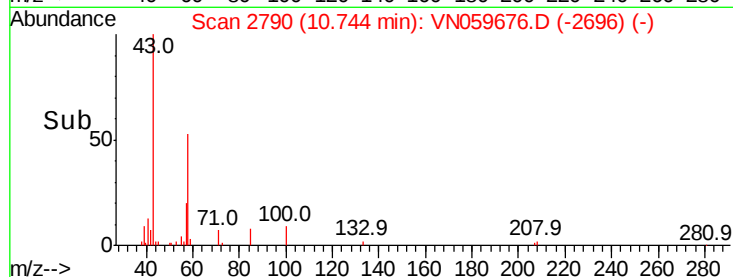
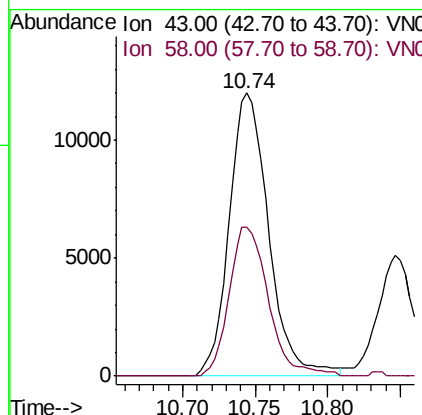
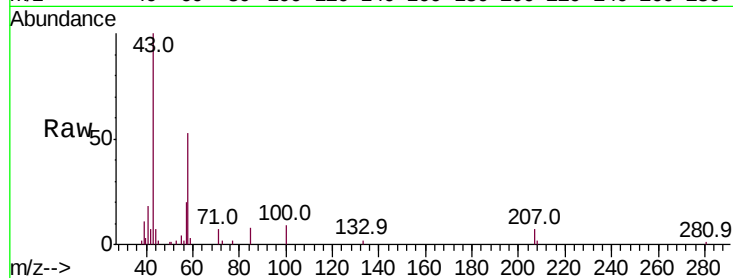




#59  
2-Hexanone  
Concen: 5.675 ug/l  
RT: 10.74 min Scan# 2790  
Delta R.T. 0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

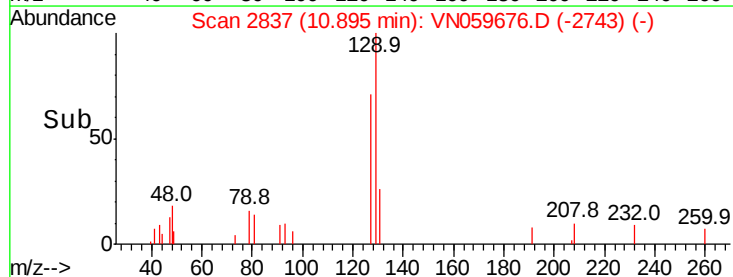
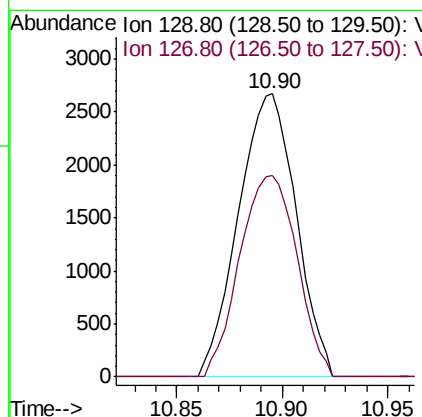
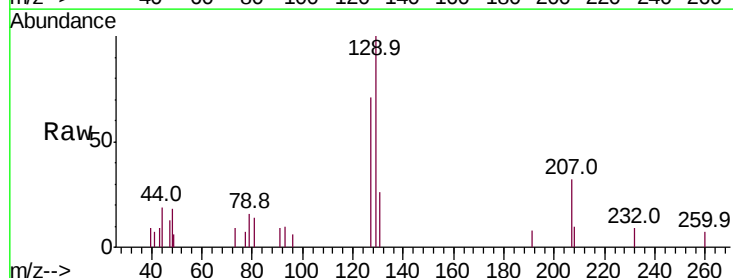
Instrument :  
MSVOA\_X  
ClientSampleId :

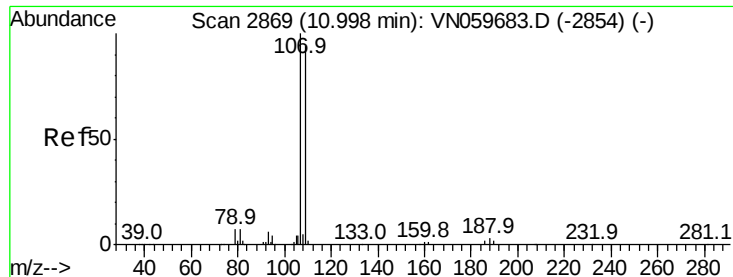
Tot Ion: 43 Resp: 22673  
Ion Ratio Lower Upper  
43 100  
58 52.6 27.6 82.7



#60  
Dibromochloromethane  
Concen: 1.399 ug/l  
RT: 10.90 min Scan# 2837  
Delta R.T. 0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 129 Resp: 5085  
Ion Ratio Lower Upper  
129 100  
127 70.6 38.4 115.2

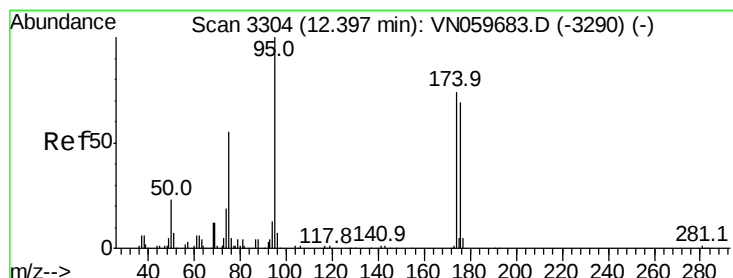
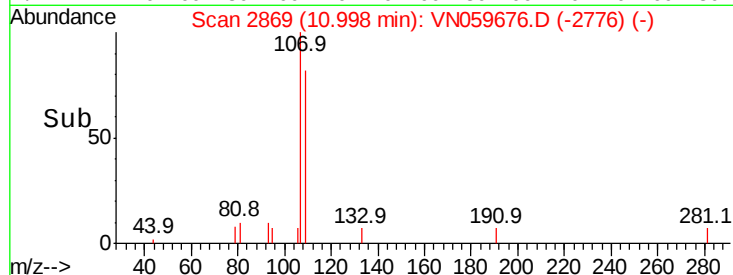
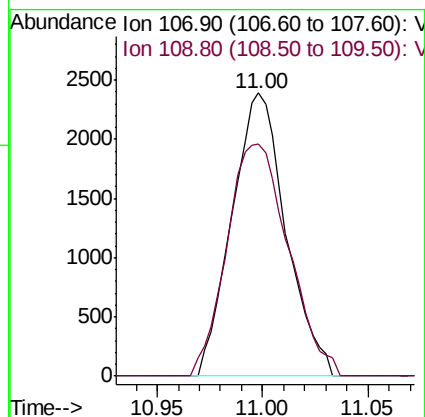
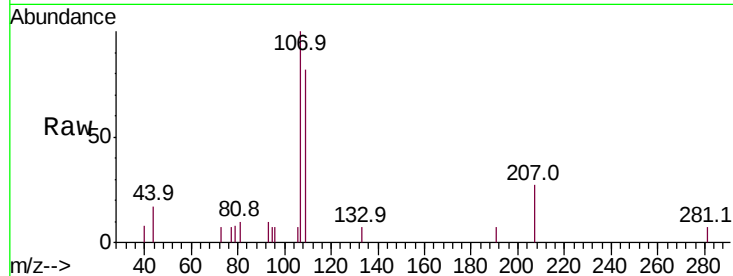




#61  
 1,2-Dibromoethane  
 Concen: 1.192 ug/l  
 RT: 11.00 min Scan# 2869  
 Delta R.T. -0.00 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

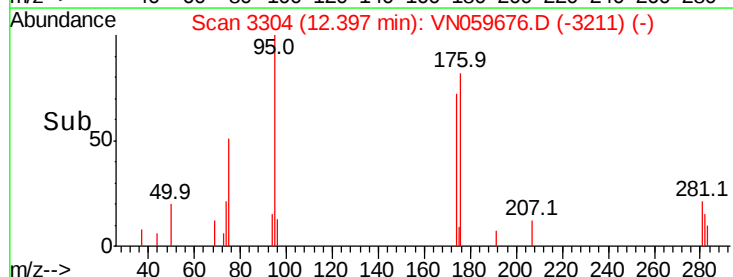
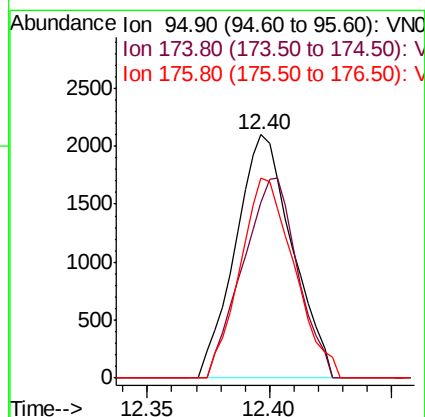
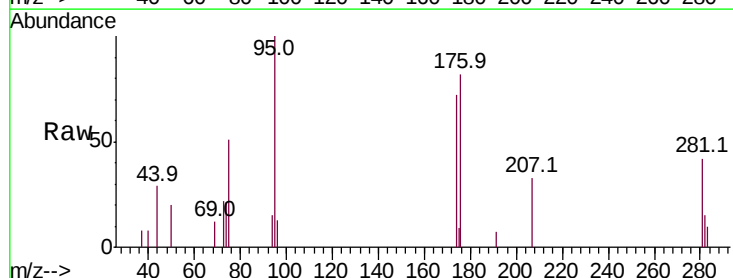
Instrument :  
 MSVOA\_X  
 ClientSampleId :

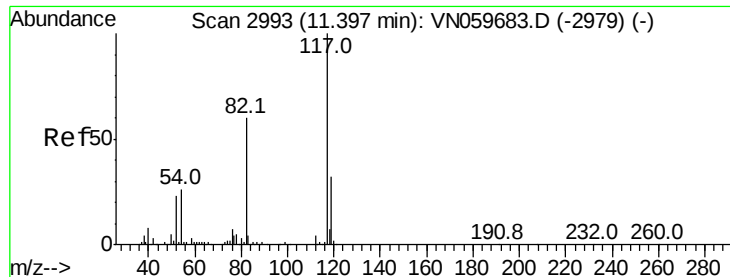
Tot Ion:107 Resp: 4253  
 Ion Ratio Lower Upper  
 107 100  
 109 93.3 75.1 112.7



#62  
 4-Bromofluorobenzene  
 Concen: 0.882 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.00 min  
 Lab File: VN059676.D  
 Acq: 20 Dec 2019 13:25

Tgt Ion: 95 Resp: 3382  
 Ion Ratio Lower Upper  
 95 100  
 174 79.5 0.0 150.2  
 176 78.7 0.0 144.0

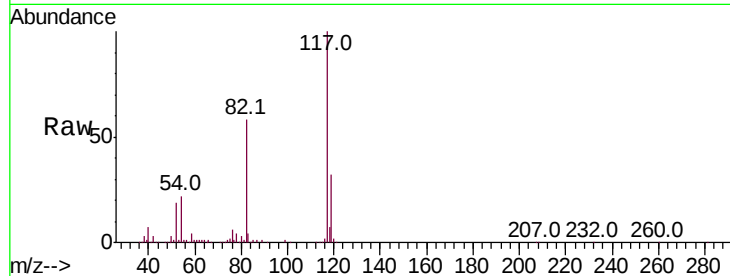




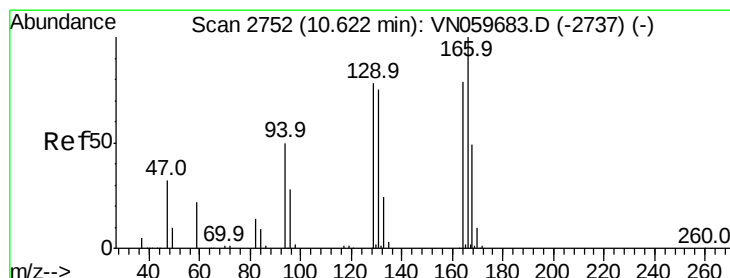
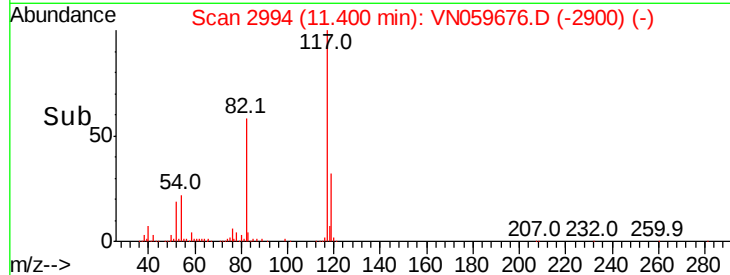
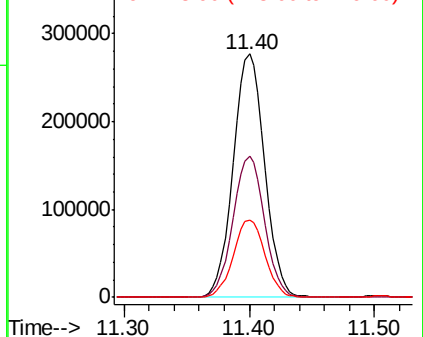
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:117 Resp: 482679  
Ion Ratio Lower Upper  
117 100  
82 57.9 48.2 72.2  
119 31.9 25.4 38.2

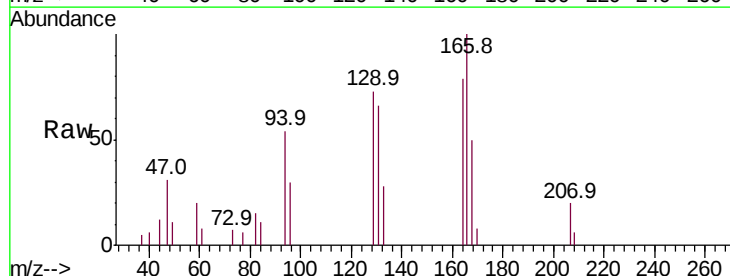


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

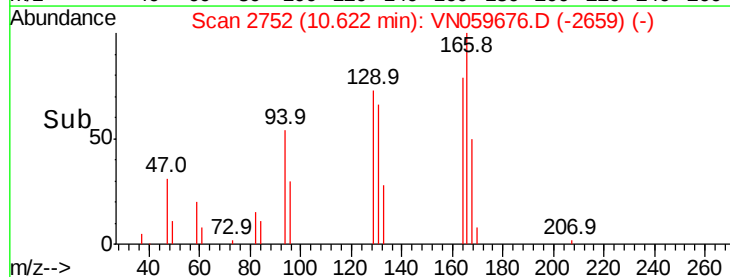
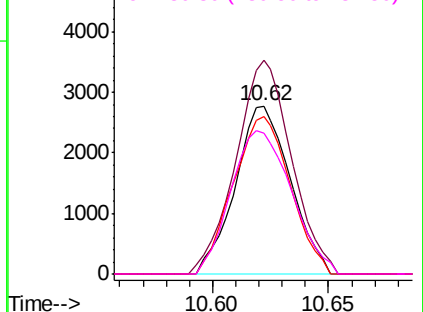


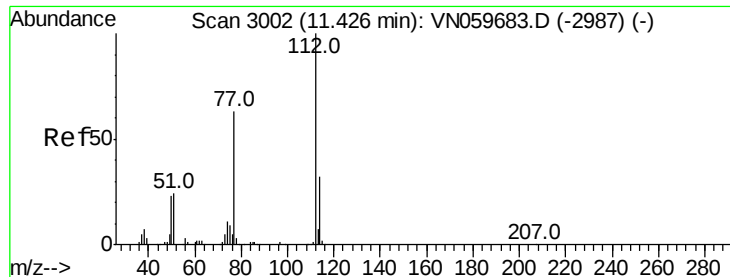
#64  
Tetrachloroethene  
Concen: 1.033 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion:164 Resp: 4557  
Ion Ratio Lower Upper  
164 100  
166 127.2 101.4 152.0  
129 93.5 79.2 118.8  
131 83.8 76.2 114.2



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 1.197 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

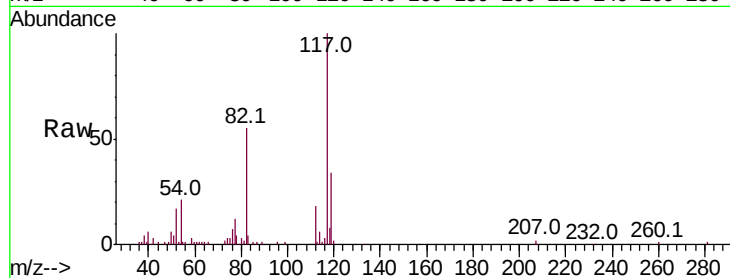
ClientSampleId :

Tot Ion:112 Resp: 12315

Ion Ratio Lower Upper

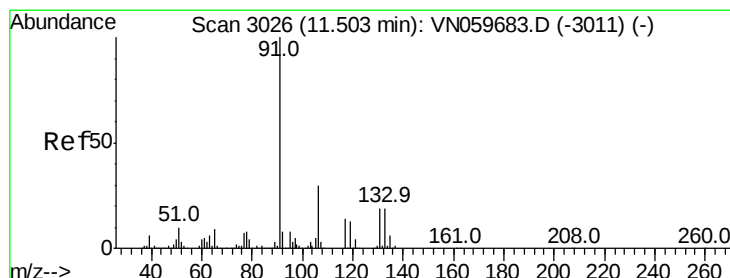
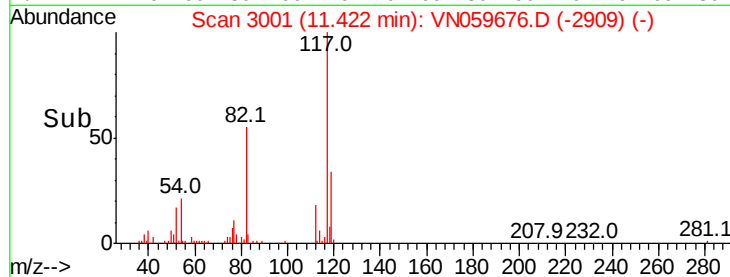
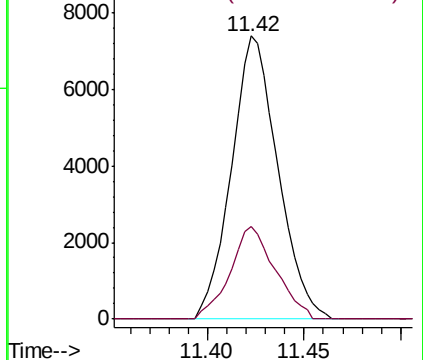
112 100

114 32.8 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.912 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

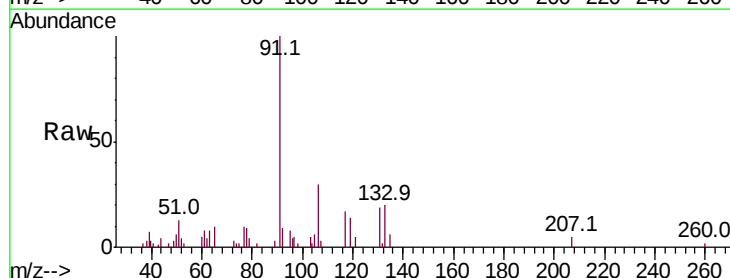
Tgt Ion:131 Resp: 3656

Ion Ratio Lower Upper

131 100

133 111.6 48.0 144.0

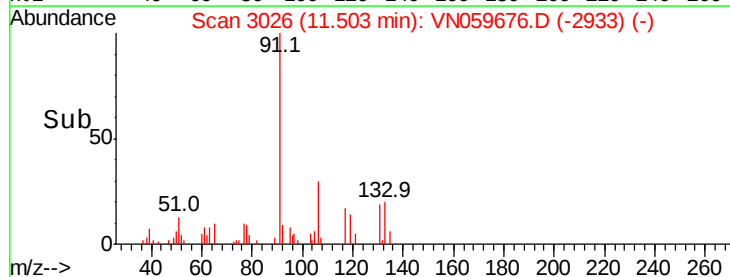
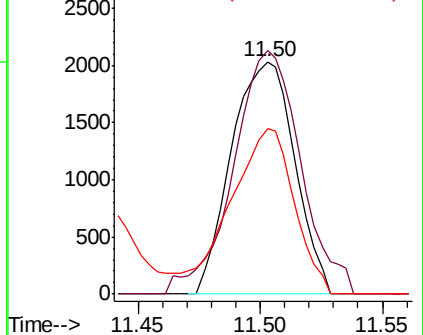
119 0.0 33.5 100.4#

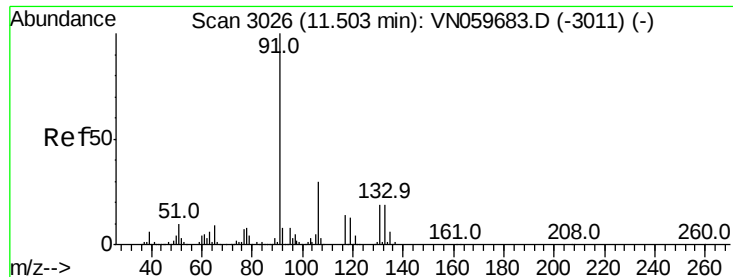


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

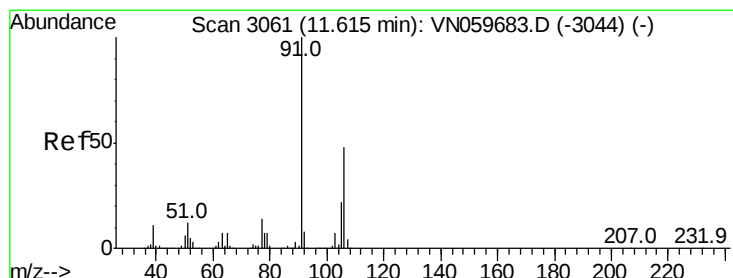
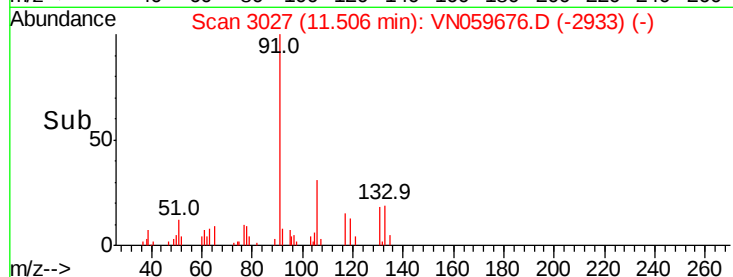
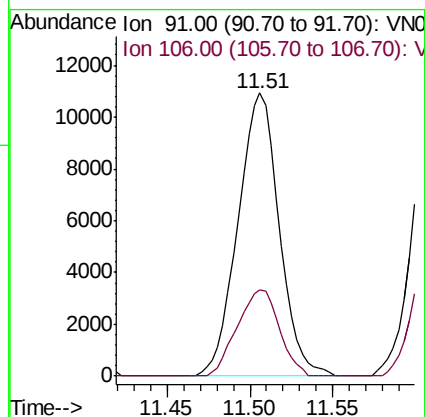
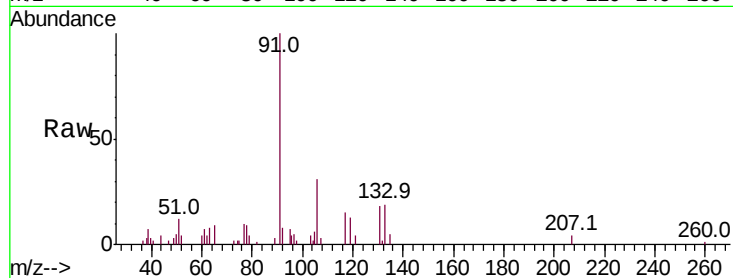




#67  
Ethyl Benzene  
Concen: 0.986 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. 0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

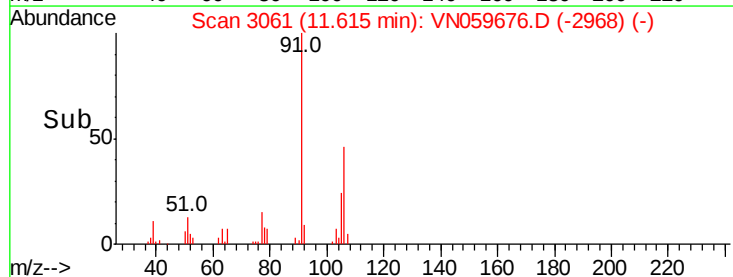
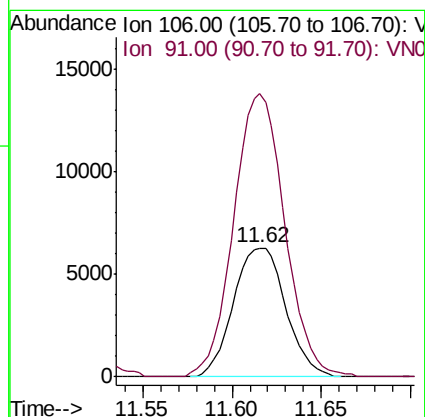
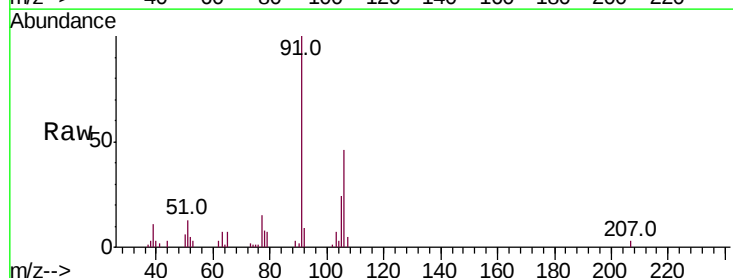
Instrument :  
MSVOA\_X  
ClientSampled :

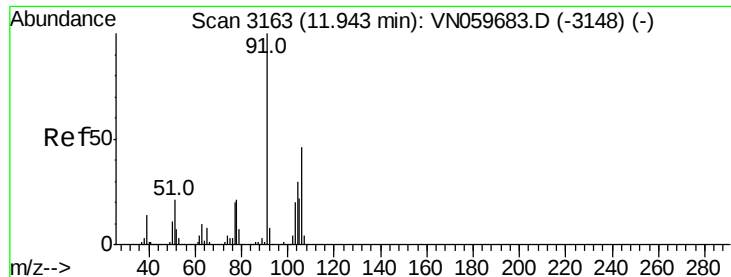
Tot Ion: 91 Resp: 18893  
Ion Ratio Lower Upper  
91 100  
106 30.7 24.2 36.4



#68  
m/p-Xylenes  
Concen: 1.902 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 106 Resp: 12796  
Ion Ratio Lower Upper  
106 100  
91 215.7 167.9 251.9

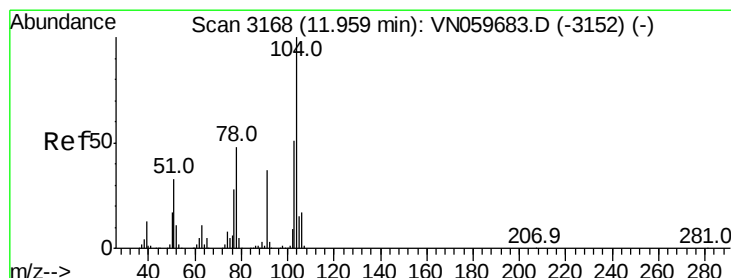
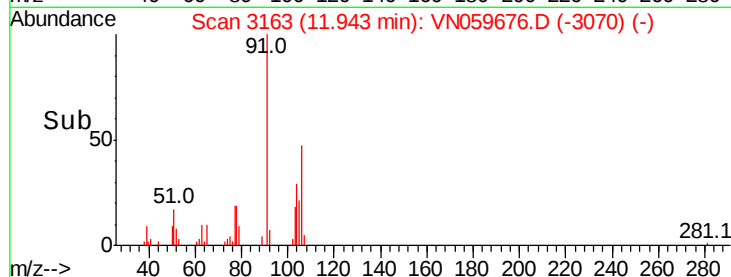
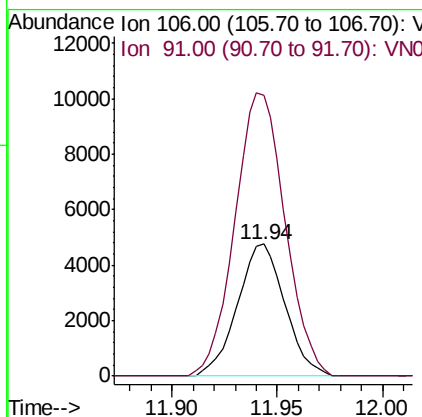
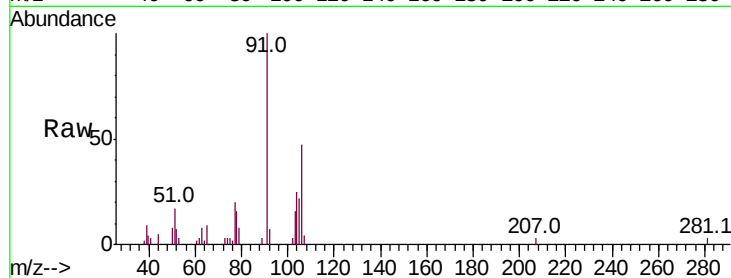




#69  
o-Xylene  
Concen: 1.181 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

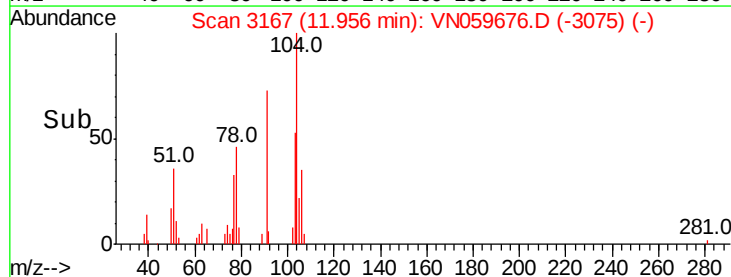
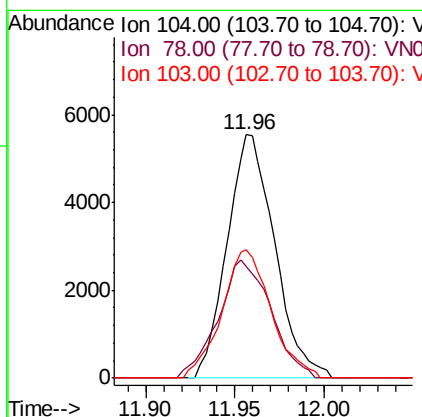
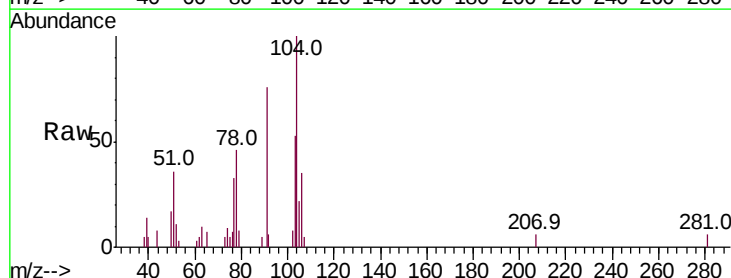
Instrument :  
MSVOA\_X  
ClientSampleId :

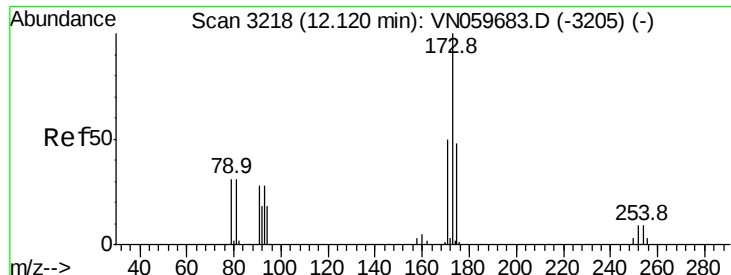
Tot Ion:106 Resp: 7439  
Ion Ratio Lower Upper  
106 100  
91 226.5 110.3 330.9



#70  
Styrene  
Concen: 1.023 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion:104 Resp: 10310  
Ion Ratio Lower Upper  
104 100  
78 53.6 43.7 65.5  
103 54.5 45.6 68.4





#71

Bromoform

Concen: 1.175 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

ClientSampleId :

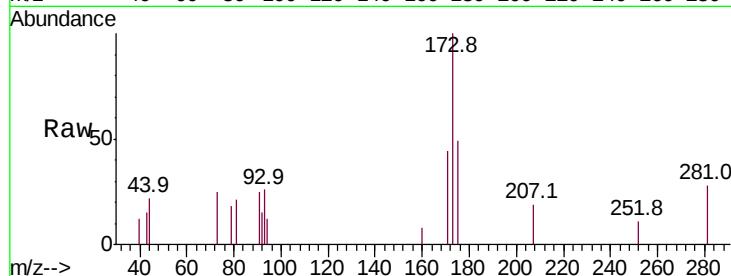
Tot Ion:173 Resp: 3310

Ion Ratio Lower Upper

173 100

175 48.0 24.3 72.9

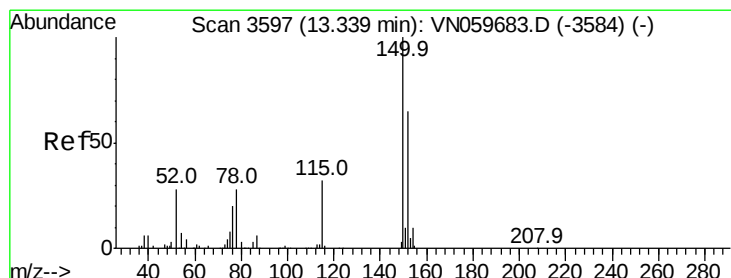
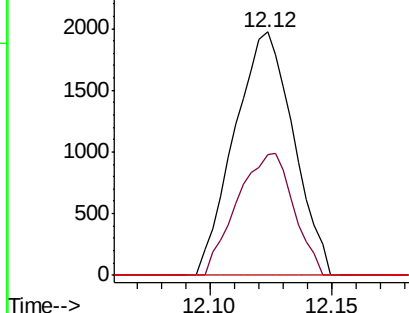
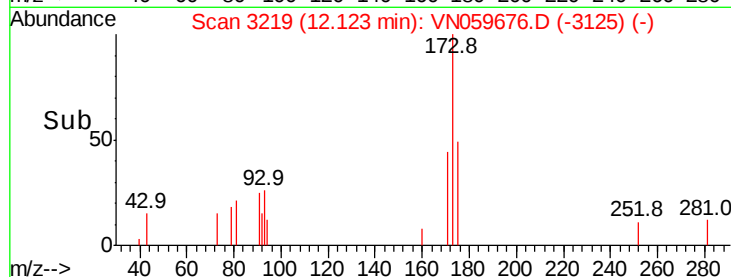
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

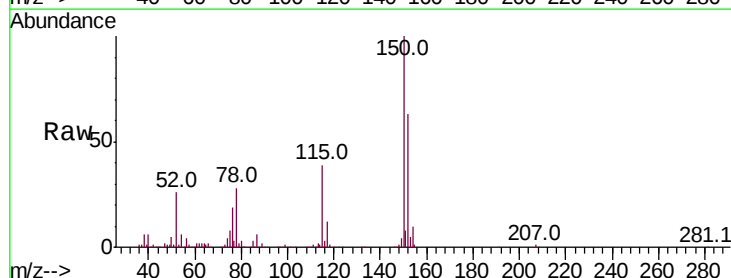
Tgt Ion:152 Resp: 152562

Ion Ratio Lower Upper

152 100

115 61.7 31.6 94.7

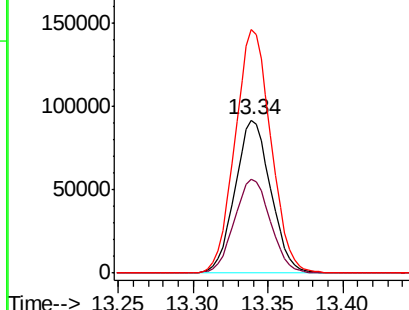
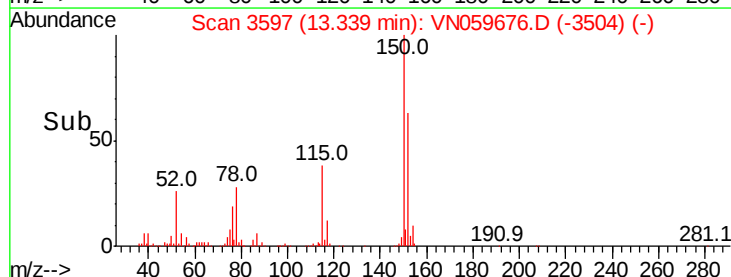
150 159.3 0.0 345.0

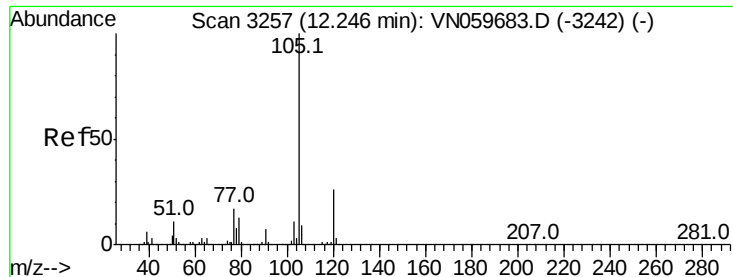


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.574 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

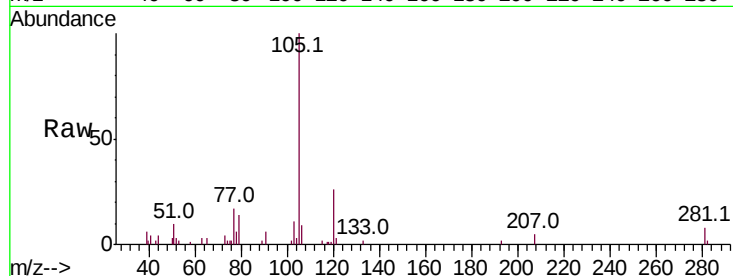
ClientSampled :

Tot Ion:105 Resp: 19071

Ion Ratio Lower Upper

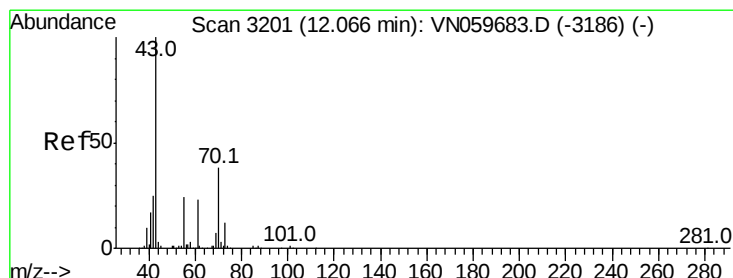
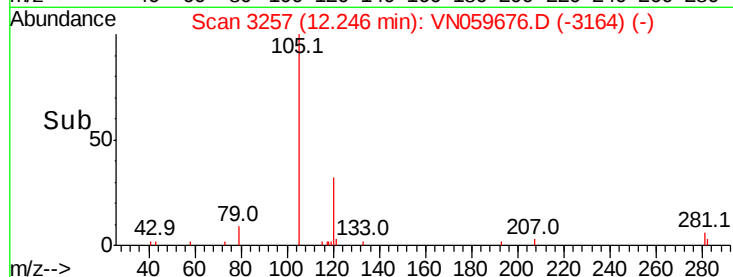
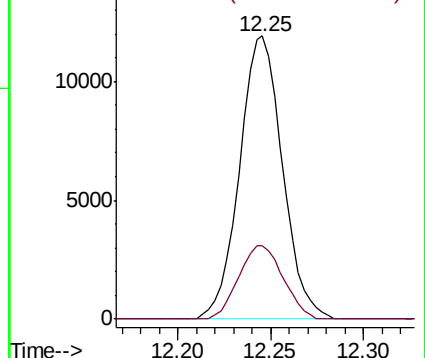
105 100

120 27.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.319 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Tgt Ion: 43 Resp: 7292

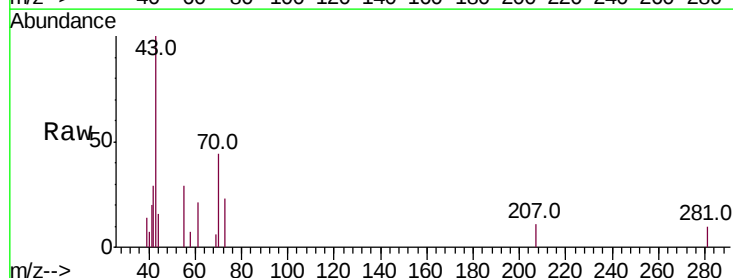
Ion Ratio Lower Upper

43 100

70 36.9 30.5 45.7

55 24.4 19.4 29.2

61 19.4 17.7 26.5

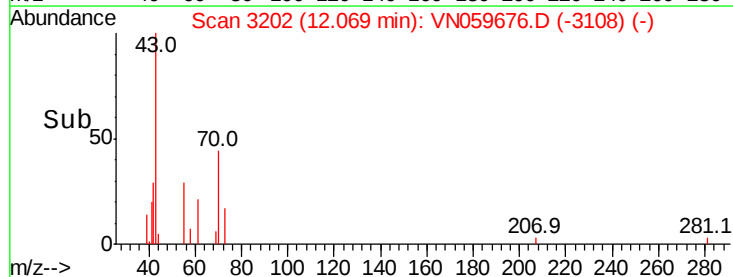
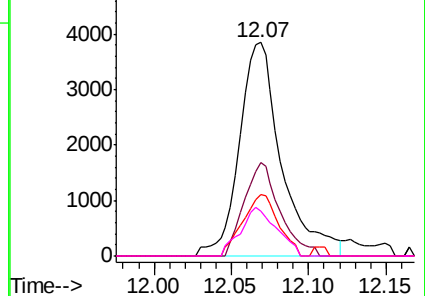


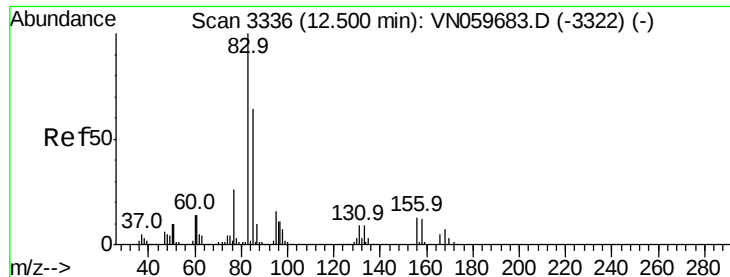
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.642 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

ClientSampleId :

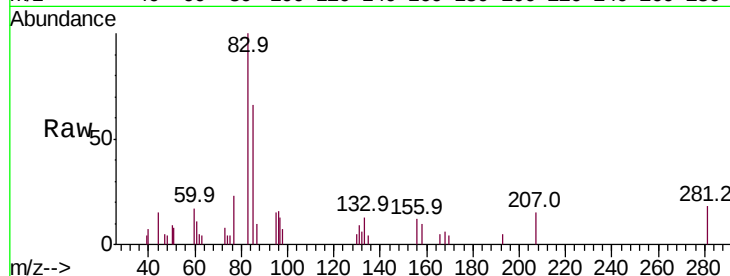
Tot Ion: 83 Resp: 6374

Ion Ratio Lower Upper

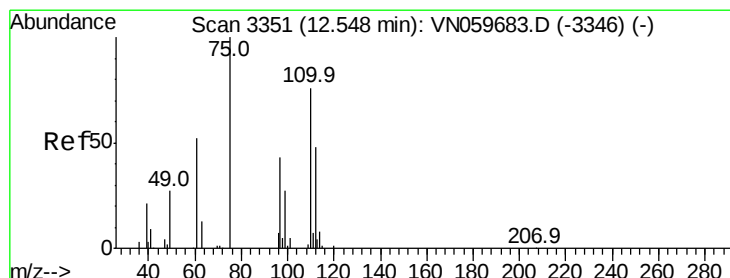
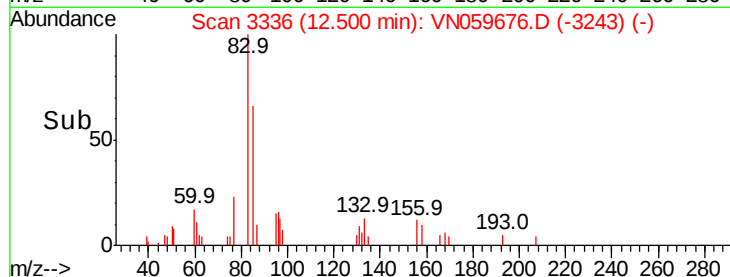
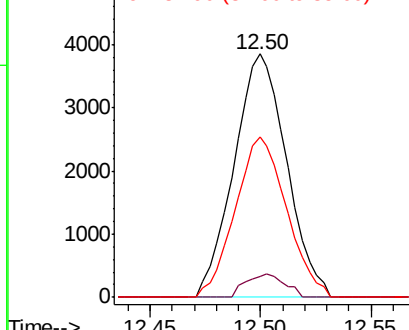
83 100

131 7.2 4.7 14.1

85 64.4 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 130.80 (130.50 to 131.50): VNO  
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 2.423 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059676.D

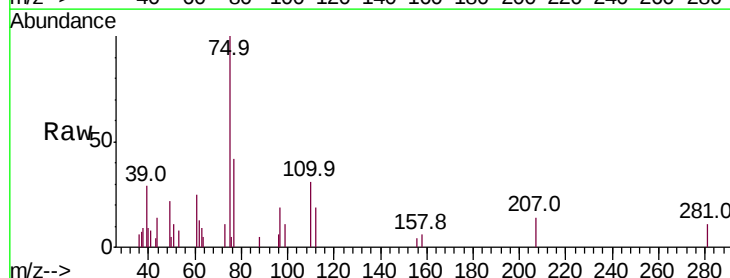
Acq: 20 Dec 2019 13:25

Tgt Ion: 75 Resp: 9434

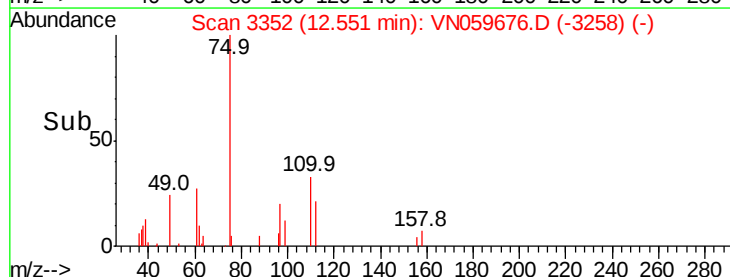
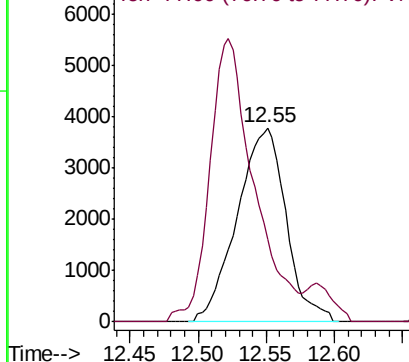
Ion Ratio Lower Upper

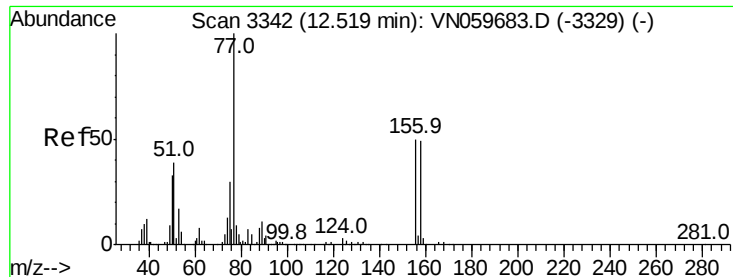
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 1.742 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

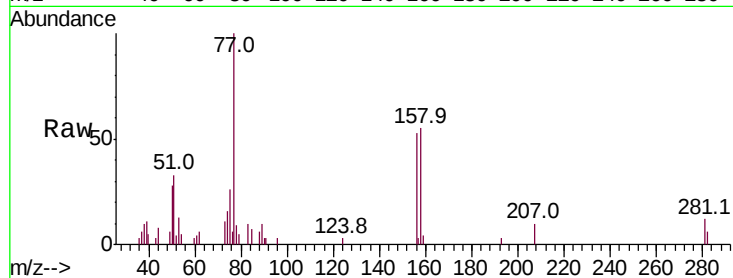
Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion:156 Resp: 5237

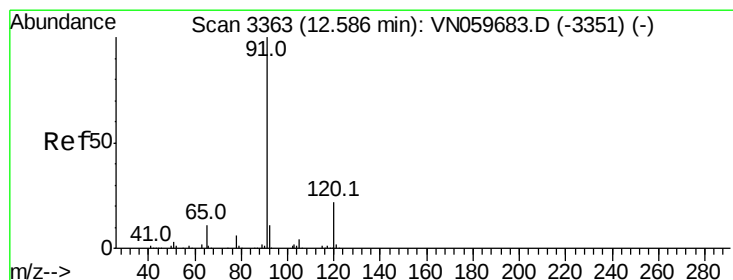
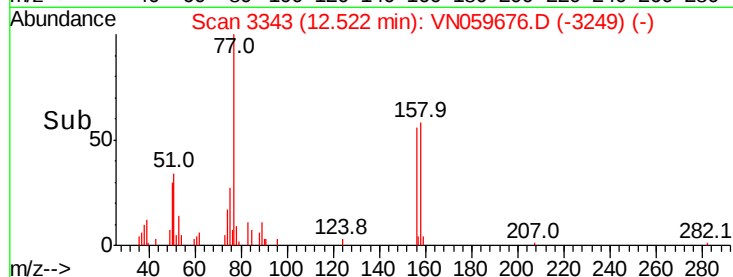
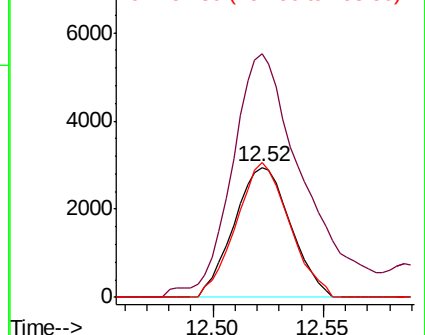
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 236.7 | 120.8 | 362.5 |
| 158 | 97.6  | 48.5  | 145.5 |



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.524 ug/l

RT: 12.59 min Scan# 3363

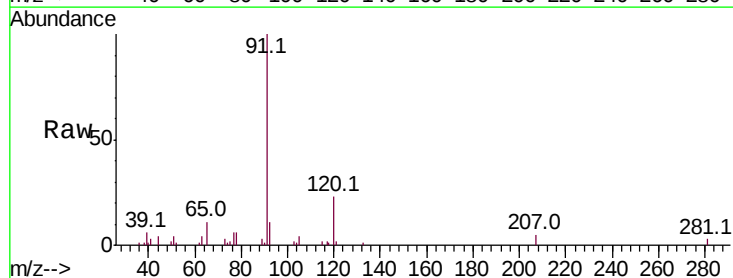
Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

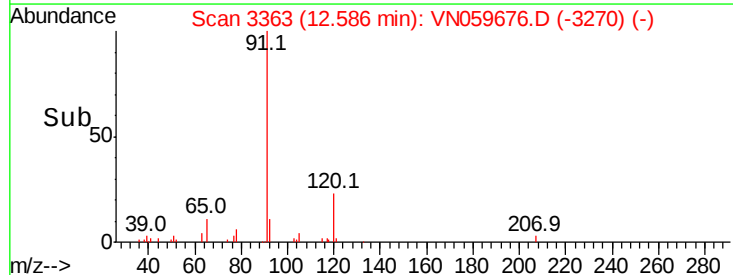
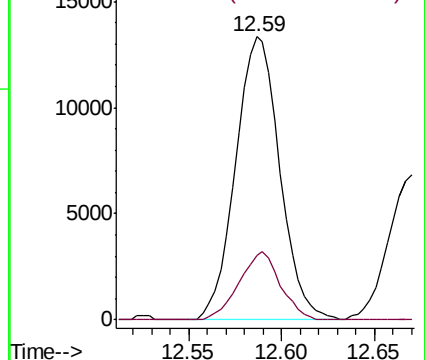
Tgt Ion: 91 Resp: 22045

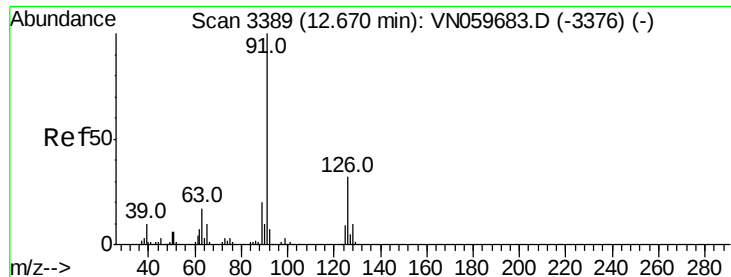
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 120 | 22.4  | 11.0  | 33.0  |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.393 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

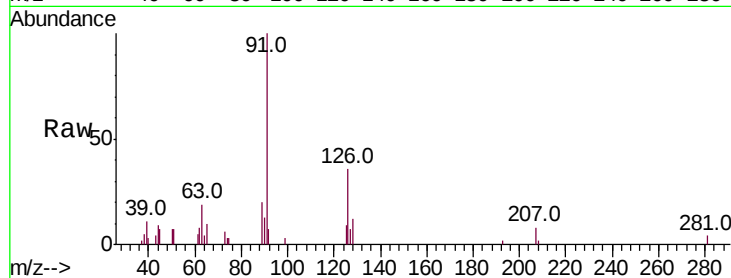
ClientSampleId :

Tot Ion: 91 Resp: 12170

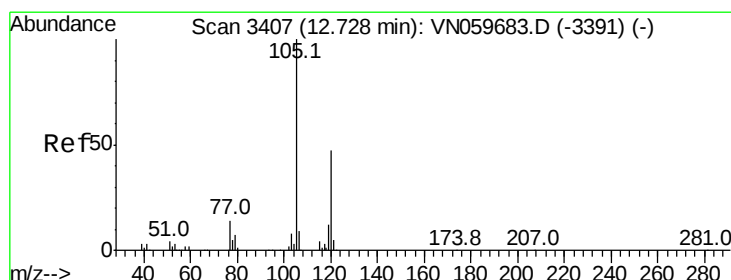
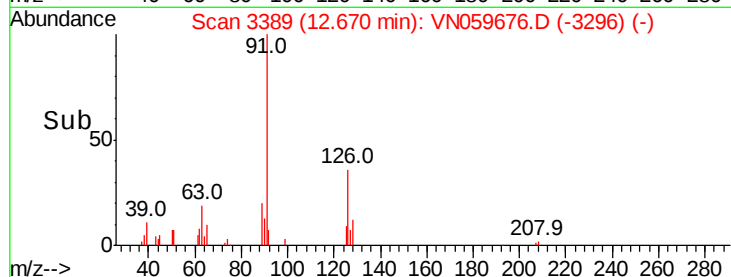
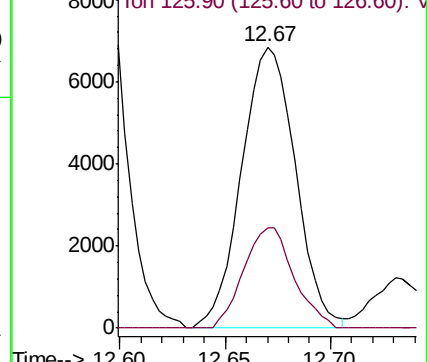
Ion Ratio Lower Upper

91 100

126 33.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN059683.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.398 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059676.D

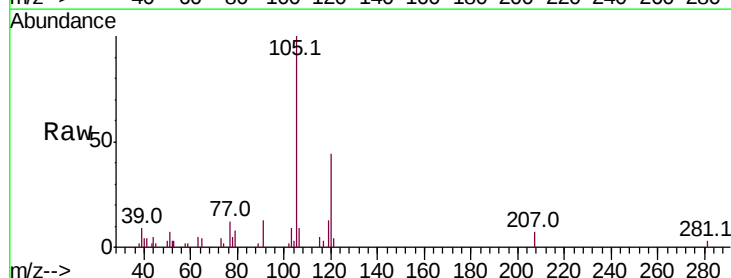
Acq: 20 Dec 2019 13:25

Tgt Ion:105 Resp: 14560

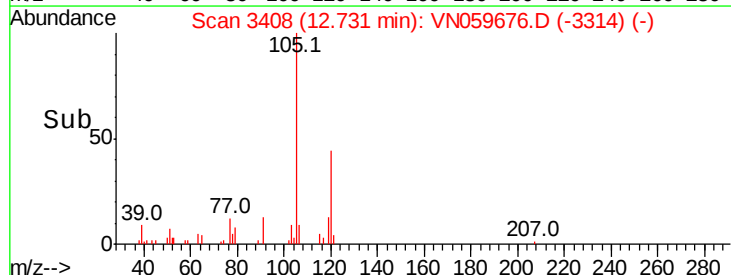
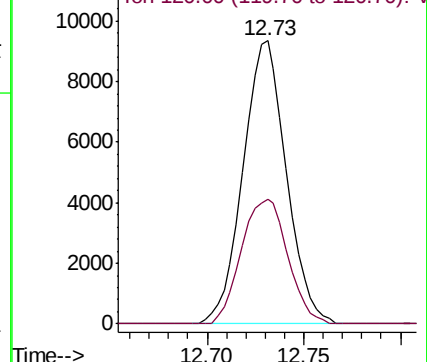
Ion Ratio Lower Upper

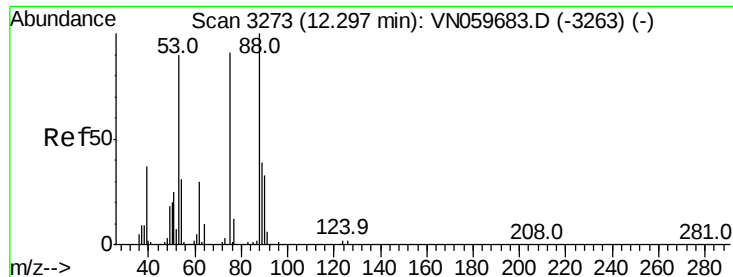
105 100

120 47.2 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN059683.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 1.059 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

ClientSampleId :

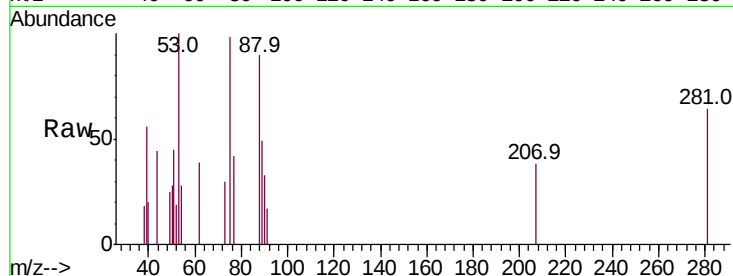
Tot Ion: 75 Resp: 1651

Ion Ratio Lower Upper

75 100

53 109.8 79.6 119.4

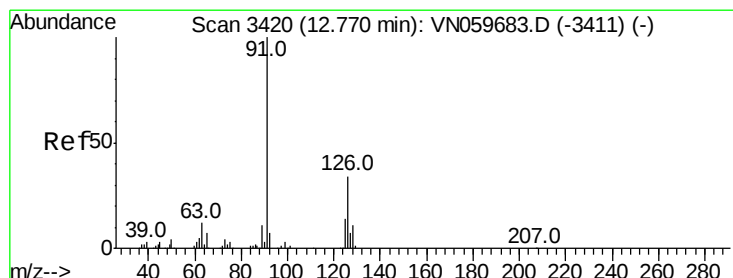
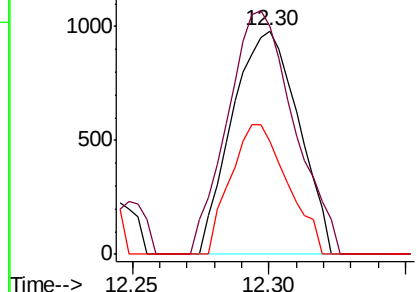
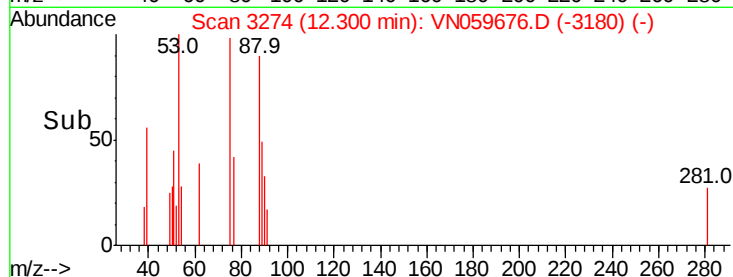
89 49.9 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.612 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059676.D

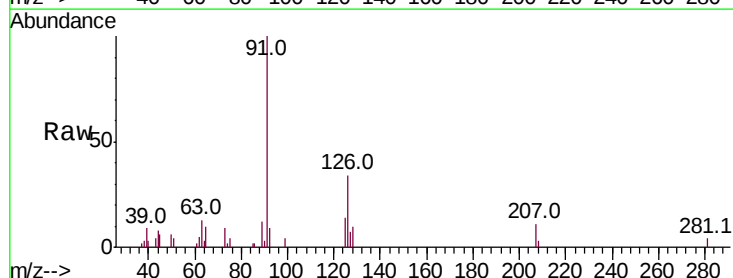
Acq: 20 Dec 2019 13:25

Tgt Ion: 91 Resp: 14536

Ion Ratio Lower Upper

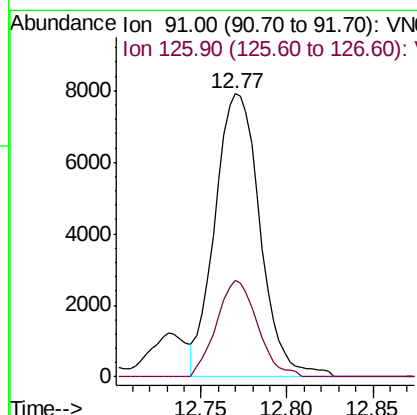
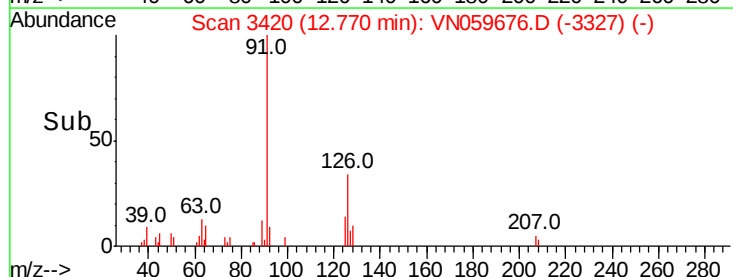
91 100

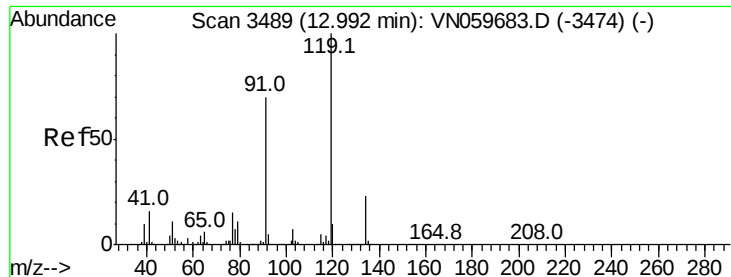
126 30.9 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.195 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

ClientSampleId :

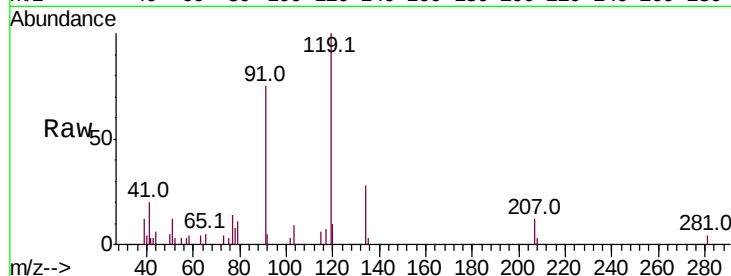
Tot Ion:119 Resp: 10374

Ion Ratio Lower Upper

119 100

91 72.9 35.1 105.5

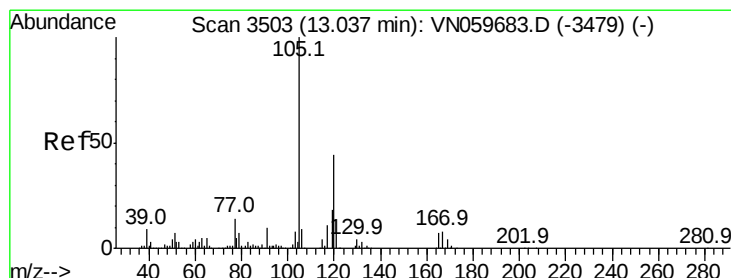
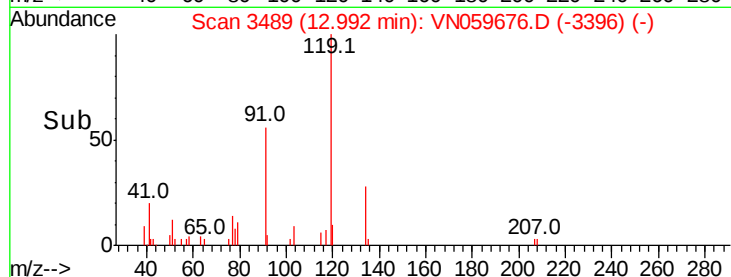
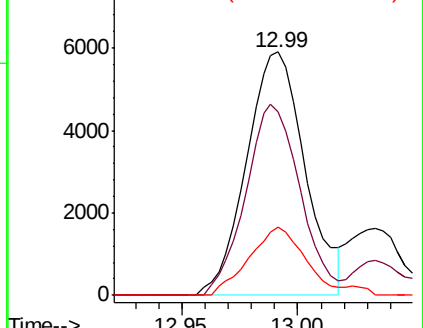
134 26.5 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.163 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059676.D

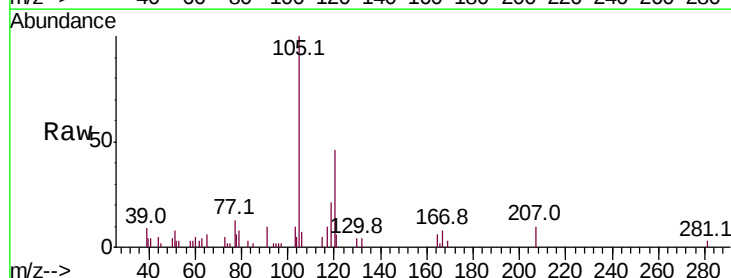
Acq: 20 Dec 2019 13:25

Tgt Ion:105 Resp: 12073

Ion Ratio Lower Upper

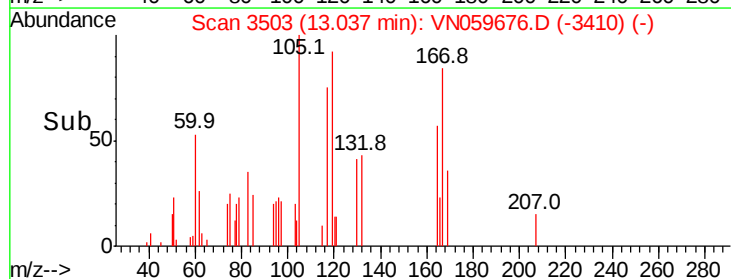
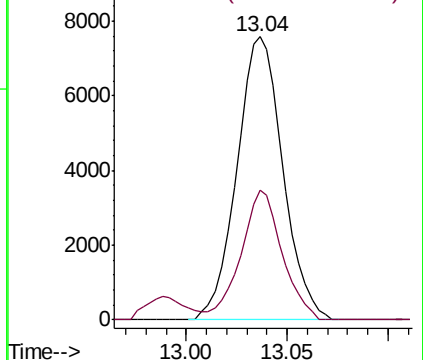
105 100

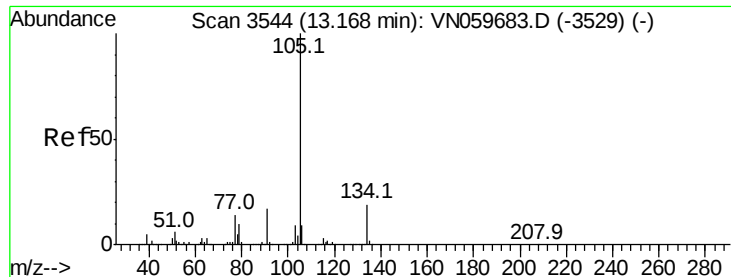
120 41.2 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.251 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

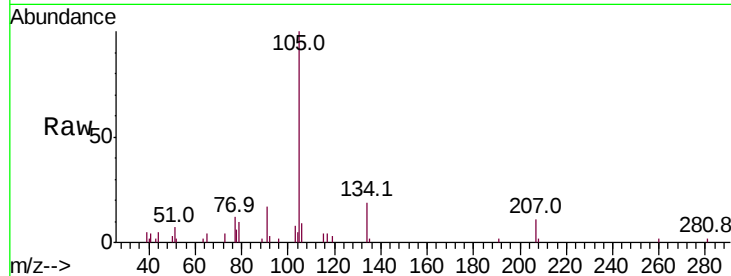
ClientSampled :

Tot Ion:105 Resp: 14689

Ion Ratio Lower Upper

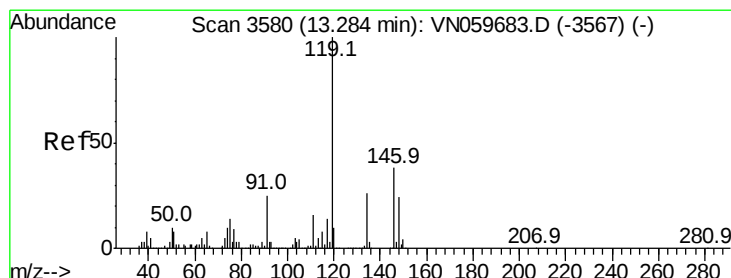
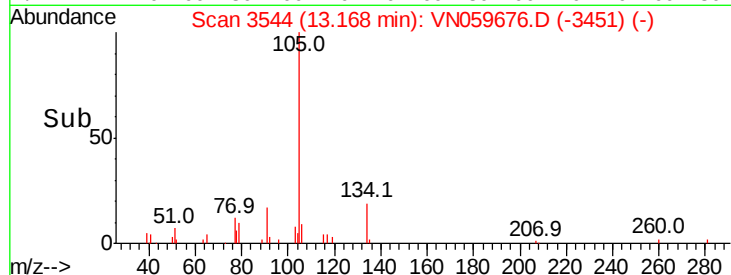
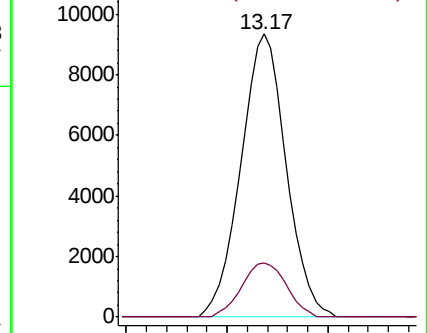
105 100

134 19.0 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.176 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

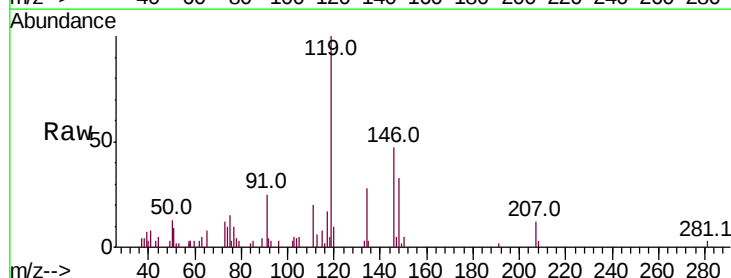
Tgt Ion:119 Resp: 12155

Ion Ratio Lower Upper

119 100

134 27.3 12.8 38.4

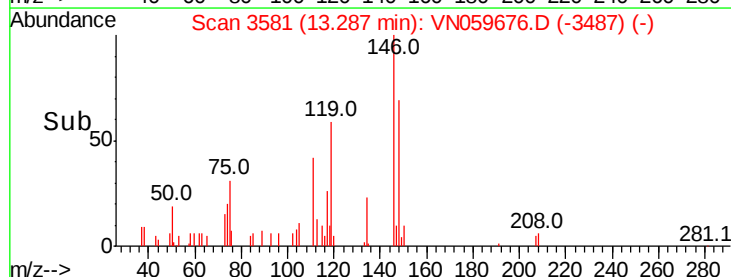
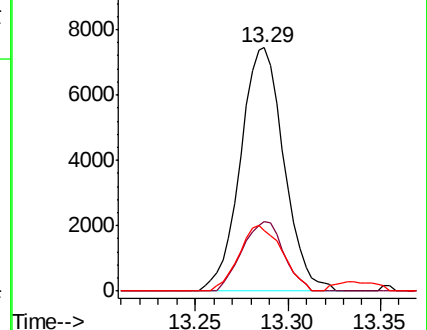
91 26.9 12.6 37.6

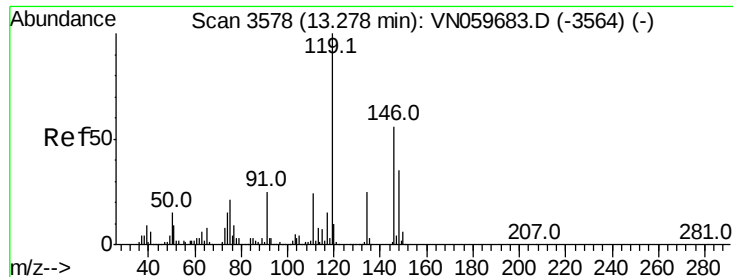


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.324 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

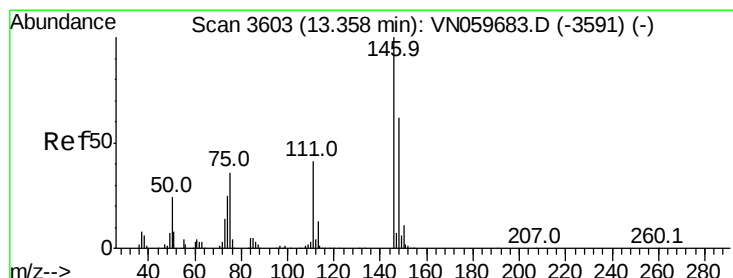
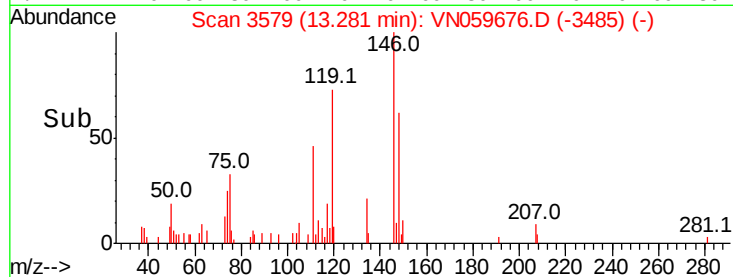
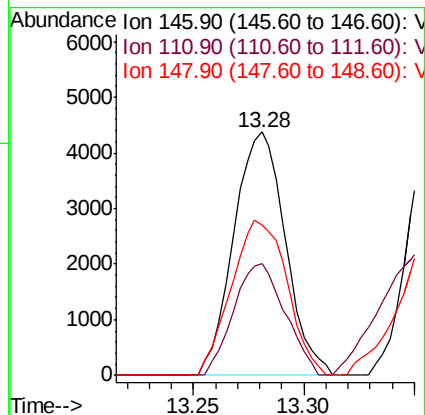
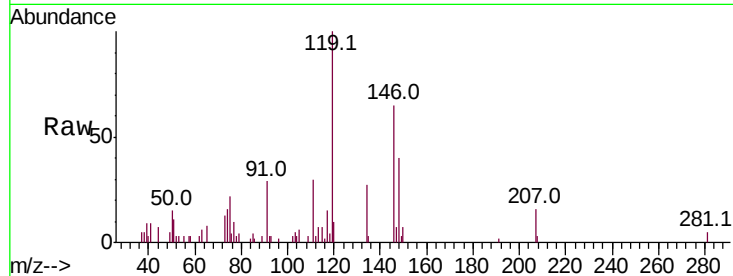
Instrument :

MSVOA\_X

ClientSampled :

Tot Ion:146 Resp: 7126

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 45.6  | 21.3  | 63.9  |
| 148 | 68.7  | 31.4  | 94.2  |



#88

1,4-Dichlorobenzene

Concen: 1.317 ug/l

RT: 13.28 min Scan# 3579

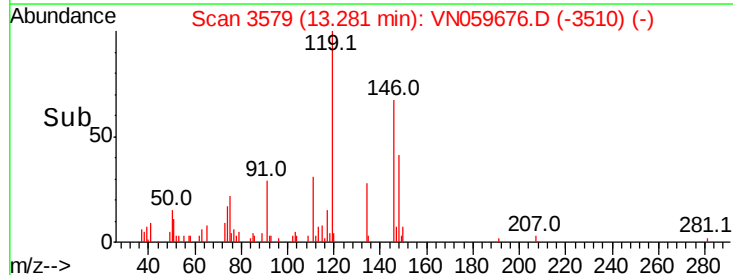
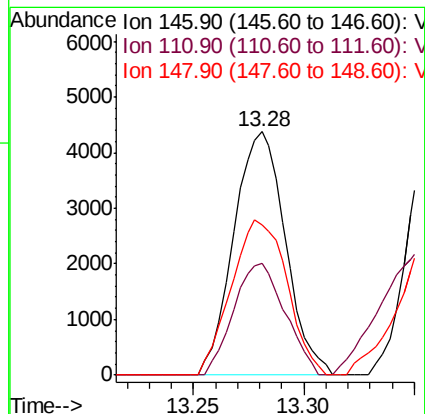
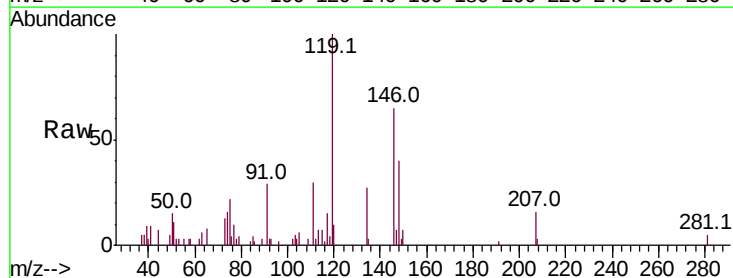
Delta R.T. -0.08 min

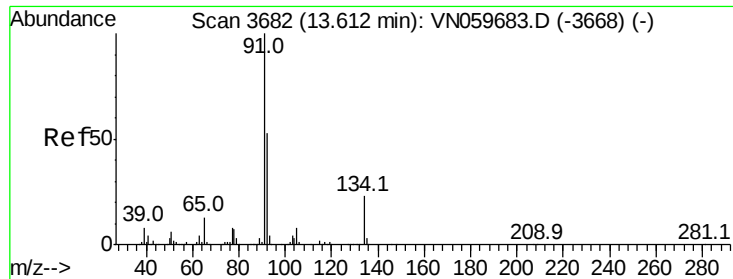
Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Tgt Ion:146 Resp: 7126

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 45.6  | 21.3  | 63.7  |
| 148 | 68.7  | 31.6  | 94.8  |

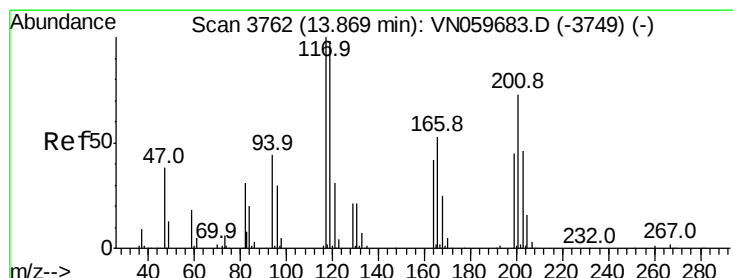
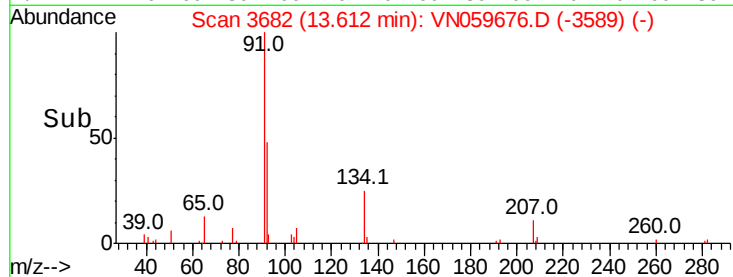
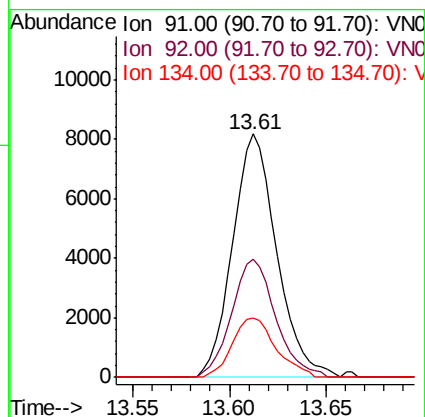
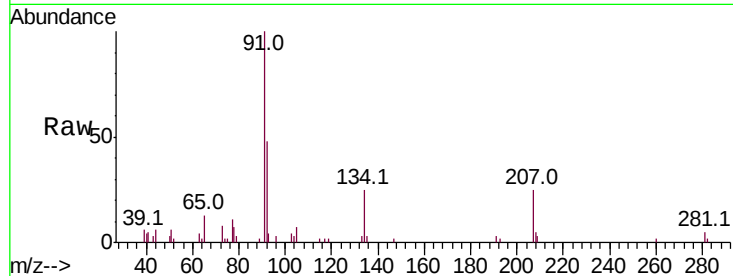




#89  
n-Butylbenzene  
Concen: 1.341 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

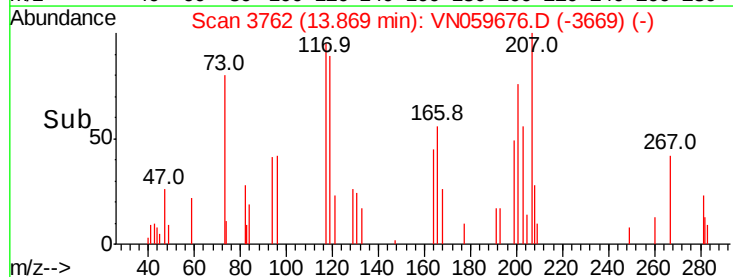
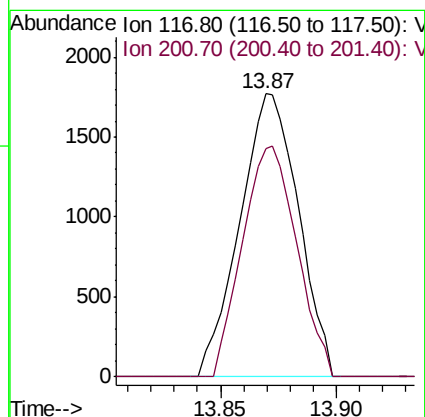
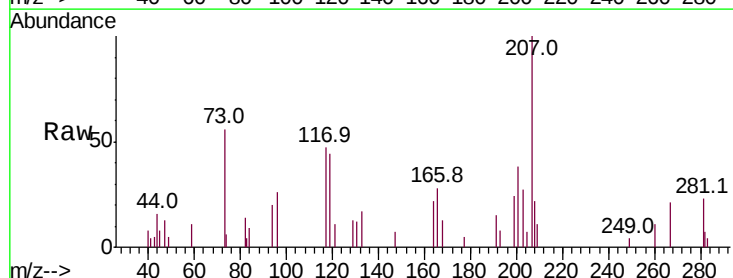
Instrument :  
MSVOA\_X  
ClientSampled :

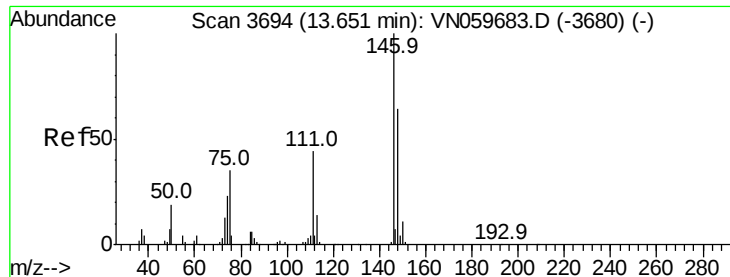
Tot Ion: 91 Resp: 12975  
Ion Ratio Lower Upper  
91 100  
92 48.3 25.9 77.6  
134 24.1 11.6 34.7



#90  
Hexachloroethane  
Concen: 1.569 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN059676.D  
Acq: 20 Dec 2019 13:25

Tgt Ion: 117 Resp: 3111  
Ion Ratio Lower Upper  
117 100  
201 75.6 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 1.571 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

ClientSampled :

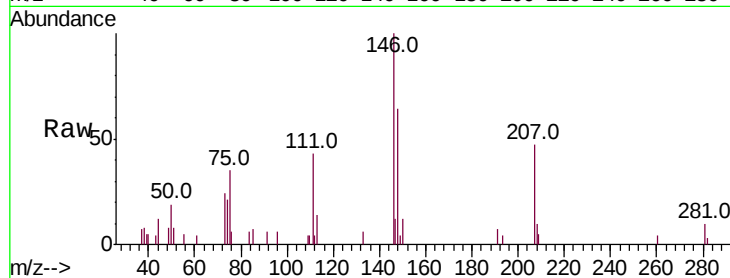
Tot Ion:146 Resp: 8296

Ion Ratio Lower Upper

146 100

111 40.2 22.2 66.6

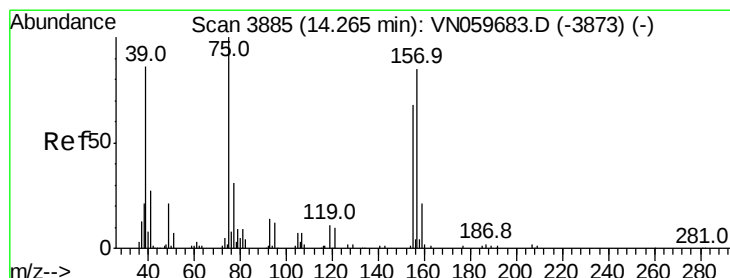
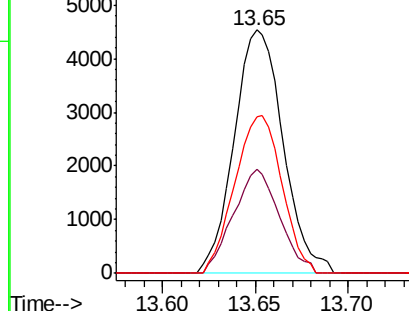
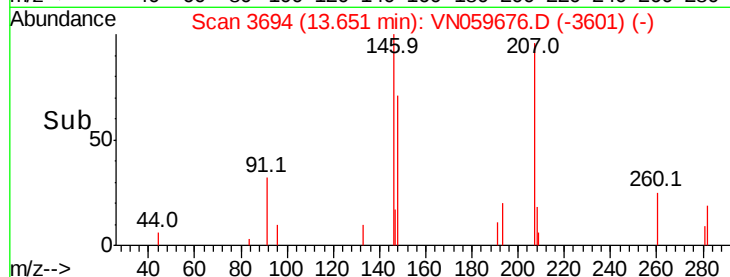
148 62.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.190 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

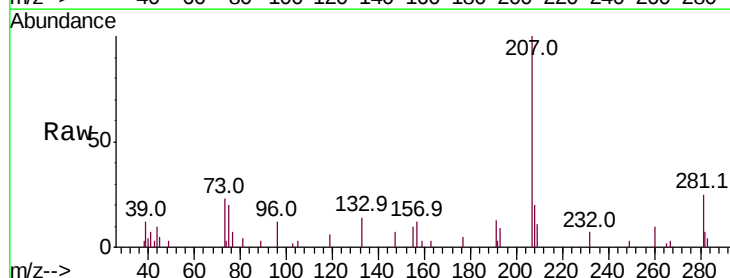
Tgt Ion: 75 Resp: 2467

Ion Ratio Lower Upper

75 100

155 39.8 34.5 103.5

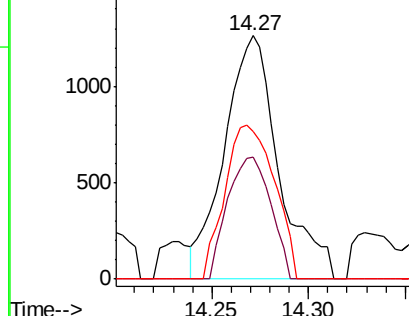
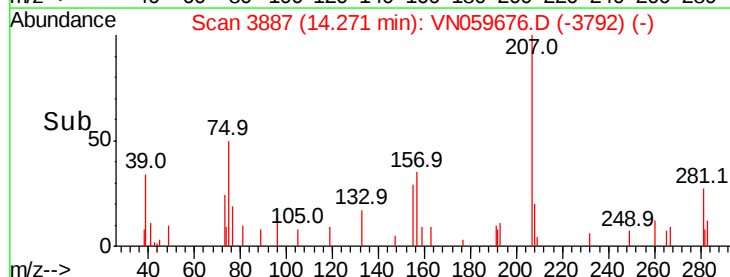
157 57.6 43.3 129.8

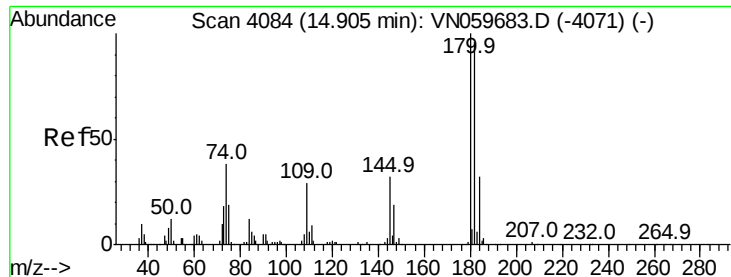


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.283 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

ClientSampleId :

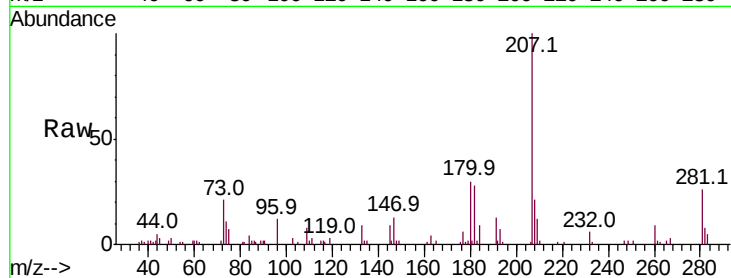
Tot Ion:180 Resp: 7788

Ion Ratio Lower Upper

180 100

182 93.8 47.8 143.4

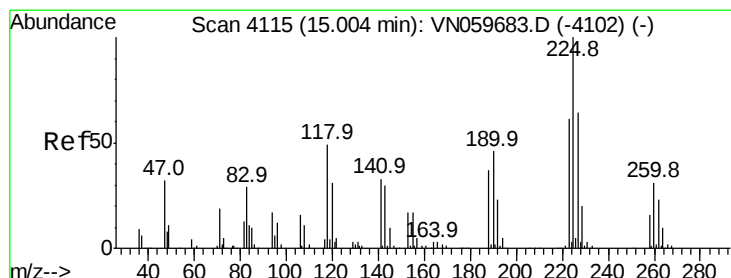
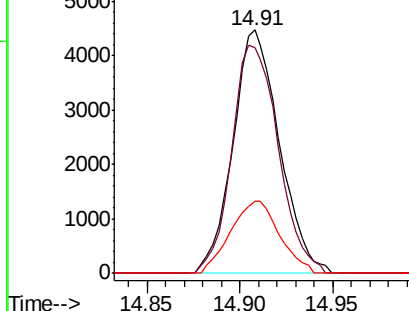
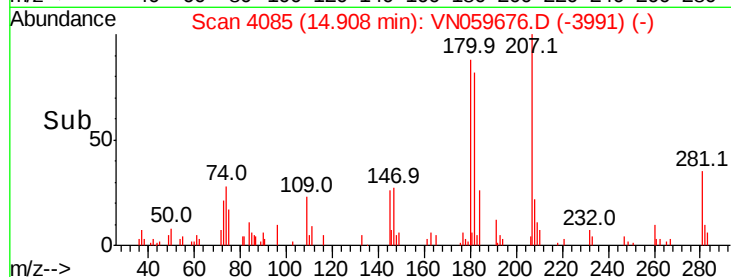
145 31.3 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 1.754 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

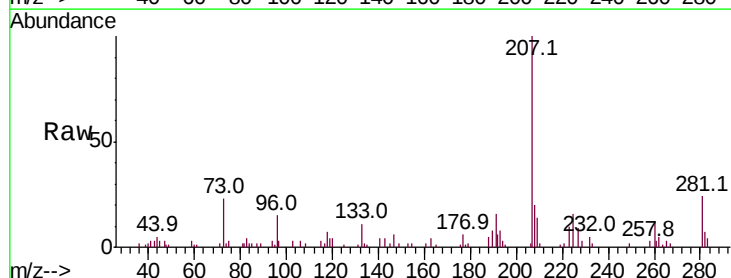
Tgt Ion:225 Resp: 3221

Ion Ratio Lower Upper

225 100

223 73.1 31.0 93.0

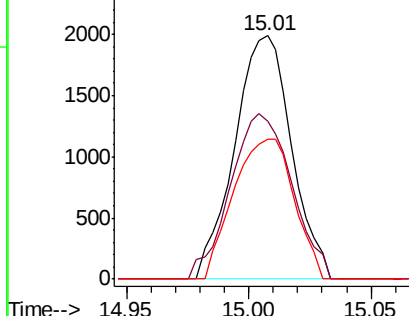
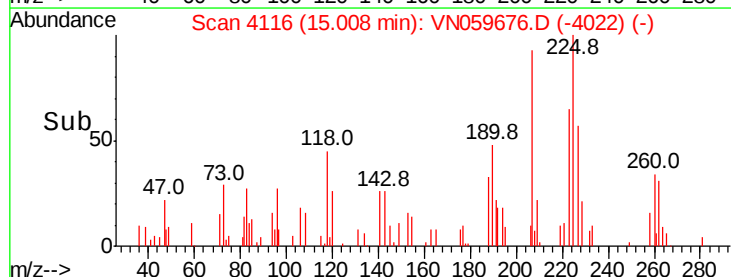
227 61.2 32.1 96.5

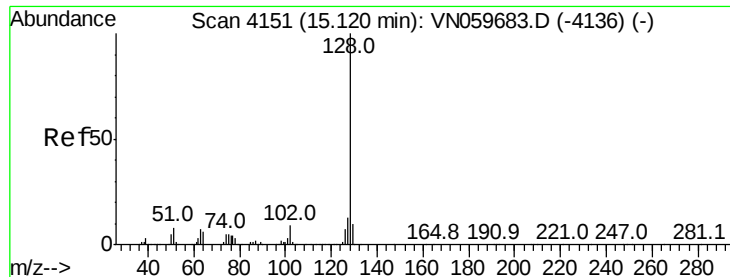


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.804 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA\_X

ClientSampleId :

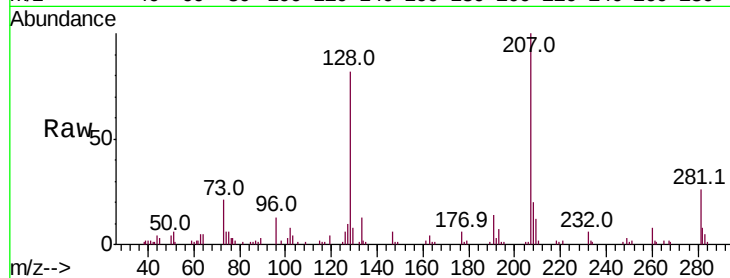
Tot Ion:128 Resp: 28381

Ion Ratio Lower Upper

128 100

127 11.3 10.6 15.8

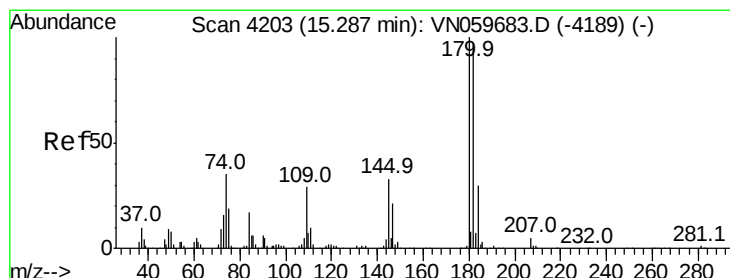
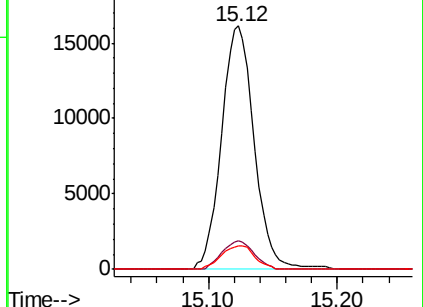
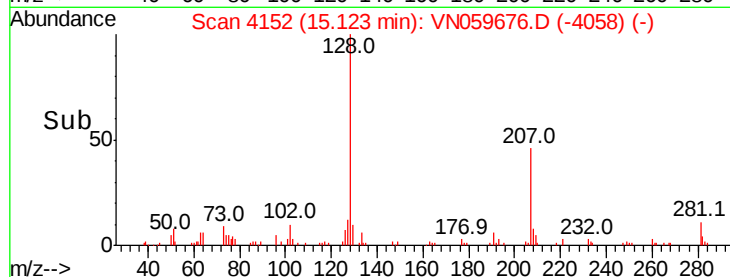
129 10.0 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.523 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

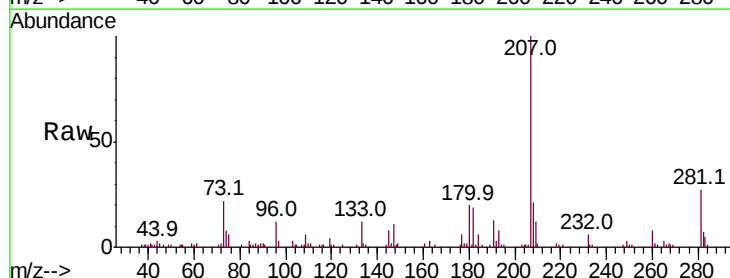
Tgt Ion:180 Resp: 8804

Ion Ratio Lower Upper

180 100

182 89.4 47.9 143.7

145 42.9 16.6 49.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

