

Data File : VR025803.D  
Acq On : 21 Sep 2018 16:21  
Operator : SY/MD  
Sample : VSTDICV005  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
VICV24

Quant Time: Sep 22 04:30:03 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092118WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Sep 21 16:31:29 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 511679   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.28 | 117  | 411308   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 152219   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 175484   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.80%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 136177   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.60%  |
| 11) 1,1-Dichloroethene-d2      | 3.61   | 63    | 438403   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 99.00%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 227453   | 46.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.14%  |
| 24) Chloroform-d               | 7.20   | 84    | 378897   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 157603   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.20%  |
| 32) Benzene-d6                 | 7.85   | 84    | 743736   | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.40%  |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 196179   | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.20%  |
| 41) Toluene-d8                 | 9.97   | 98    | 659669   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%  |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 55303    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 189012   | 49.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.22%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 79704    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.60% |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 125225   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.20%  |

#### Target Compounds

|                                |      |     |        |        | Qvalue    |
|--------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane     | 1.84 | 85  | 281591 | 5.284  | ug/L 99   |
| 3) Chloromethane               | 2.01 | 50  | 283519 | 4.887  | ug/L 97   |
| 5) Vinyl chloride              | 2.16 | 62  | 267249 | 4.863  | ug/L 95   |
| 6) Bromomethane                | 2.52 | 94  | 149604 | 4.789  | ug/L 97   |
| 8) Chloroethane                | 2.66 | 64  | 150908 | 4.833  | ug/L 96   |
| 9) Trichlorofluoromethane      | 2.93 | 101 | 130849 | 1.920  | ug/L # 1  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.68 | 101 | 200199 | 4.822  | ug/L 100  |
| 12) 1,1-Dichloroethene         | 3.63 | 96  | 219304 | 4.968  | ug/L 82   |
| 13) Acetone                    | 3.69 | 43  | 140823 | 43.692 | ug/L 95   |
| 14) Carbon disulfide           | 3.93 | 76  | 636590 | 5.126  | ug/L 99   |
| 15) Methyl Acetate             | 4.19 | 43  | 50409  | 4.875  | ug/L 100  |
| 16) Methylene chloride         | 4.40 | 84  | 185578 | 4.676  | ug/L 94   |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 368192 | 4.769  | ug/L 99   |
| 18) trans-1,2-Dichloroethene   | 4.89 | 96  | 249824 | 5.003  | ug/L 98   |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 494886 | 4.847  | ug/L 96   |
| 21) 2-Butanone                 | 6.69 | 43  | 308471 | 45.921 | ug/L 99   |
| 22) cis-1,2-Dichloroethene     | 6.67 | 96  | 243900 | 4.849  | ug/L # 92 |

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Quant Title : TRACE VOA SOM01.0  
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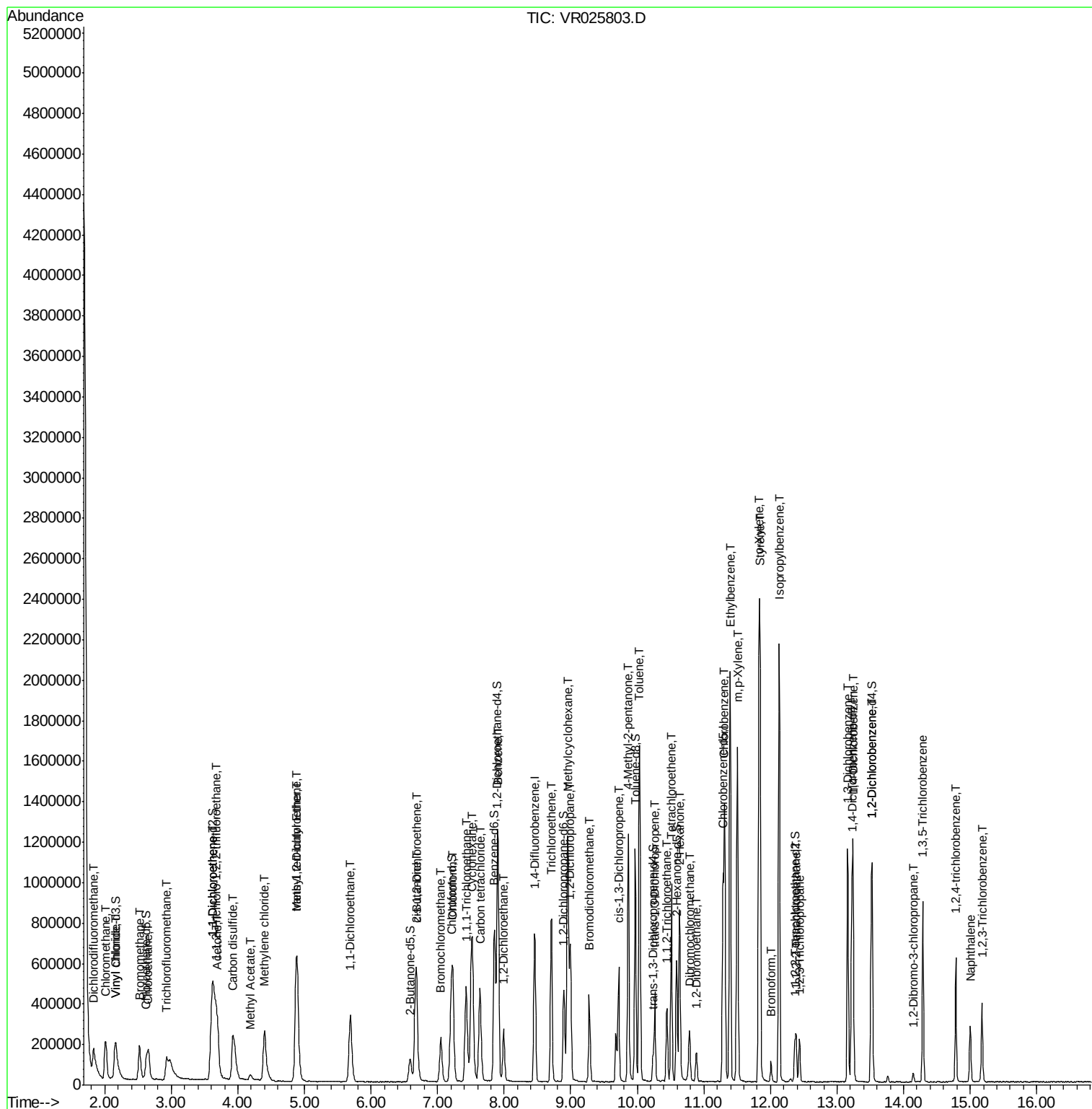
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 7.04  | 128  | 65655    | 4.953  | ug/L  | 88       |
| 25) Chloroform                 | 7.23  | 83   | 456143   | 4.859  | ug/L  | 99       |
| 27) 1,2-Dichloroethane         | 7.99  | 62   | 226600   | 4.670  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane      | 7.43  | 97   | 410082   | 4.936  | ug/L  | 99       |
| 30) Cyclohexane                | 7.52  | 56   | 482012   | 4.867  | ug/L  | 99       |
| 31) Carbon tetrachloride       | 7.64  | 117  | 340887   | 4.987  | ug/L  | 99       |
| 33) Benzene                    | 7.90  | 78   | 1040489  | 4.819  | ug/L  | 100      |
| 34) Trichloroethene            | 8.71  | 95   | 277188   | 4.837  | ug/L  | 96       |
| 35) Methylcyclohexane          | 8.95  | 83   | 453137   | 4.822  | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 9.00  | 63   | 229787   | 4.773  | ug/L  | 100      |
| 38) Bromodichloromethane       | 9.28  | 83   | 257758   | 4.849  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene    | 9.72  | 75   | 286862   | 4.867  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone       | 9.86  | 43   | 797275   | 47.568 | ug/L  | 99       |
| 42) Toluene                    | 10.03 | 91   | 1066965  | 4.849  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 10.26 | 75   | 200708   | 4.914  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane      | 10.45 | 97   | 95272    | 4.720  | ug/L  | 95       |
| 47) Tetrachloroethene          | 10.51 | 164  | 158776   | 4.844  | ug/L  | 93       |
| 48) 2-Hexanone                 | 10.63 | 43   | 524977   | 47.627 | ug/L  | 99       |
| 49) Dibromochloromethane       | 10.79 | 129  | 103015   | 4.899  | ug/L  | 98       |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 86428    | 4.865  | ug/L  | 98       |
| 51) Chlorobenzene              | 11.32 | 112  | 555543   | 4.812  | ug/L  | 99       |
| 52) Ethylbenzene               | 11.39 | 91   | 1260480  | 4.978  | ug/L  | 99       |
| 53) m,p-Xylene                 | 11.50 | 106  | 448906   | 4.917  | ug/L  | 97       |
| 54) o-Xylene                   | 11.83 | 106  | 413240   | 4.943  | ug/L  | 97       |
| 55) Styrene                    | 11.84 | 104  | 643276   | 4.966  | ug/L  | 99       |
| 56) Isopropylbenzene           | 12.13 | 105  | 1183667  | 5.059  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 12.39 | 83   | 99686    | 5.033  | ug/L  | 97       |
| 59) 1,2,3-Trichloropropane     | 12.43 | 75   | 77459    | 4.926  | ug/L  | 99       |
| 61) Bromoform                  | 12.01 | 173  | 33270    | 4.684  | ug/L  | 97       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 337451   | 4.791  | ug/L  | 95       |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 322957   | 4.751  | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 252001   | 4.699  | ug/L  | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 14.14 | 75   | 10055    | 4.101  | ug/L  | 88       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 185809   | 4.676  | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene     | 14.78 | 180  | 120237   | 4.756  | ug/L  | 99       |
| 69) Naphthalene                | 15.00 | 128  | 178104   | 4.841  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 83544    | 4.652  | ug/L  | 98       |

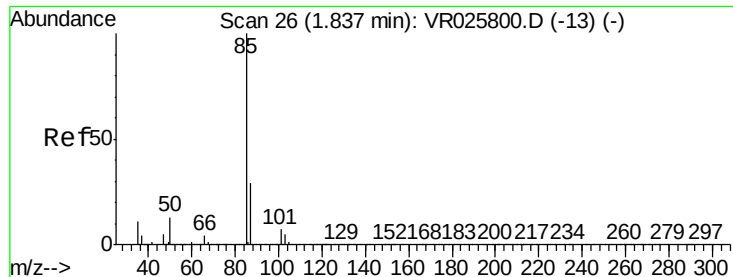
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.284 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Instrument :

MSVOA\_R

ClientSampleId :

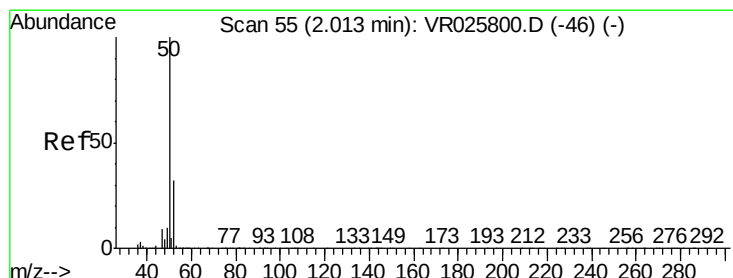
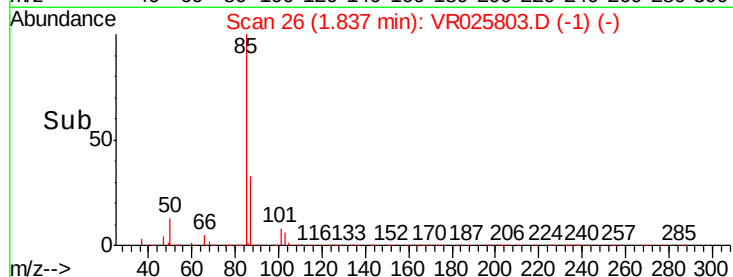
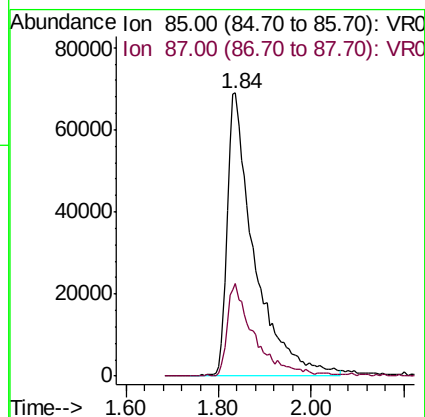
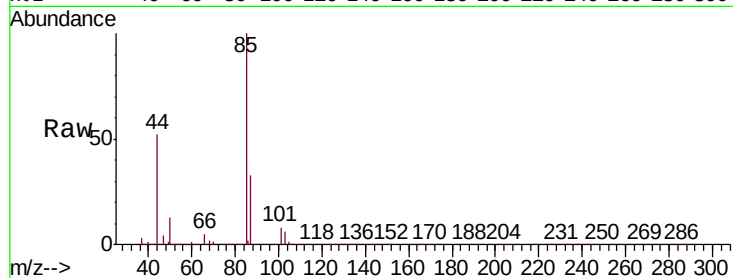
VICV24

Tgt Ion: 85 Resp: 281591

Ion Ratio Lower Upper

85 100

87 32.1 25.1 37.7



#3

Chloromethane

Concen: 4.887 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025803.D

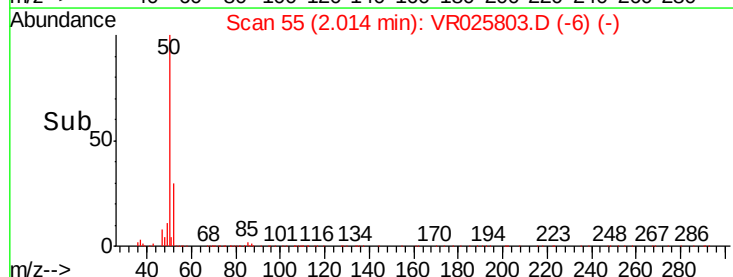
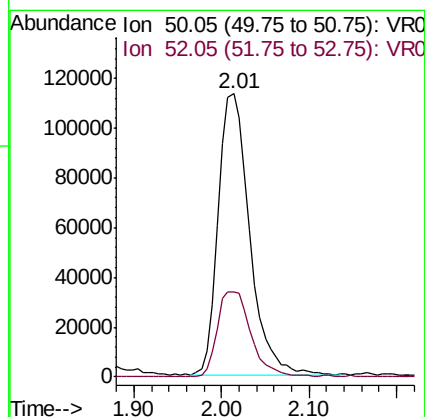
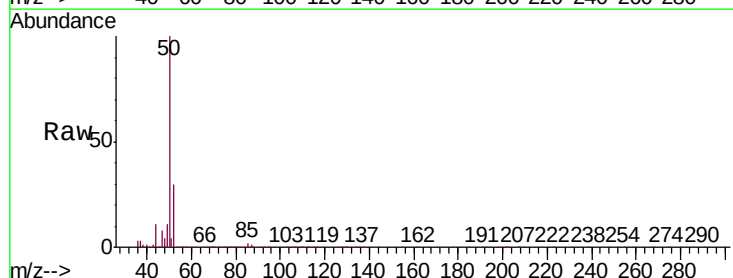
Acq: 21 Sep 2018 16:21

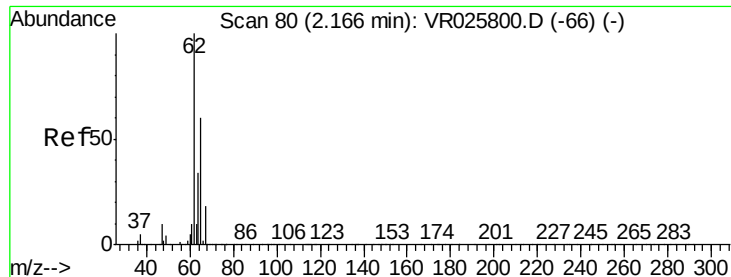
Tgt Ion: 50 Resp: 283519

Ion Ratio Lower Upper

50 100

52 30.0 22.1 41.1





#5

Vinyl chloride

Concen: 4.863 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Instrument :

MSVOA\_R

ClientSampleId :

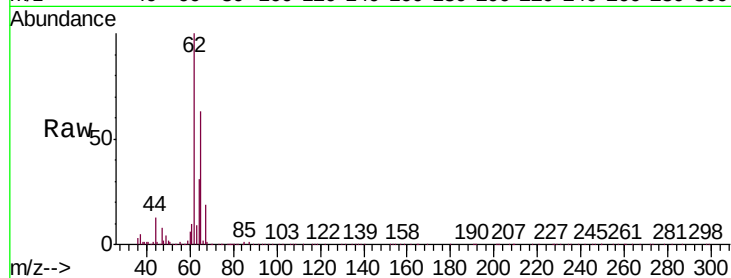
VICV24

Tgt Ion: 62 Resp: 267249

Ion Ratio Lower Upper

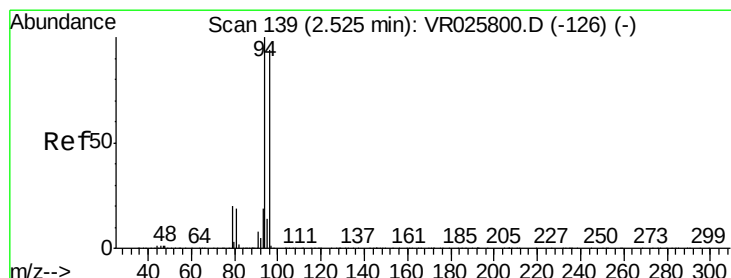
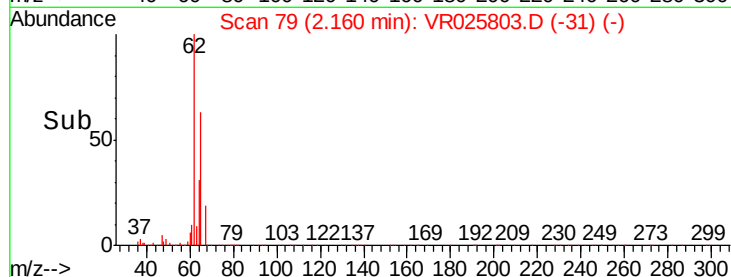
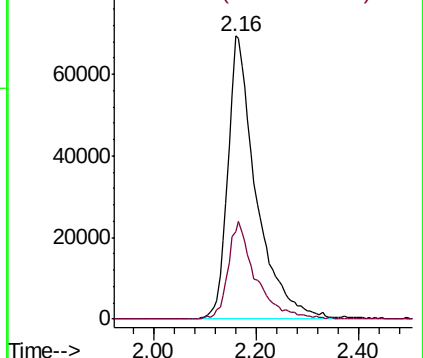
62 100

64 30.9 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.789 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025803.D

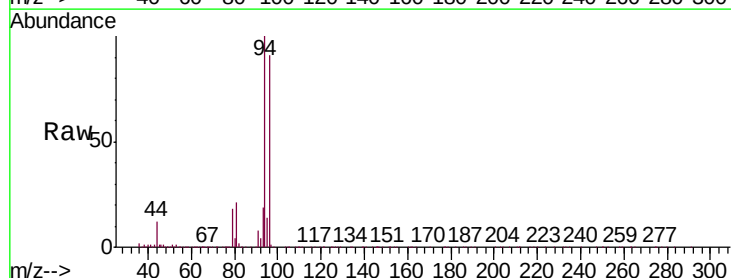
Acq: 21 Sep 2018 16:21

Tgt Ion: 94 Resp: 149604

Ion Ratio Lower Upper

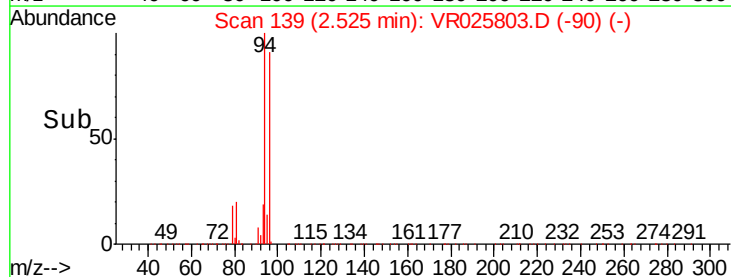
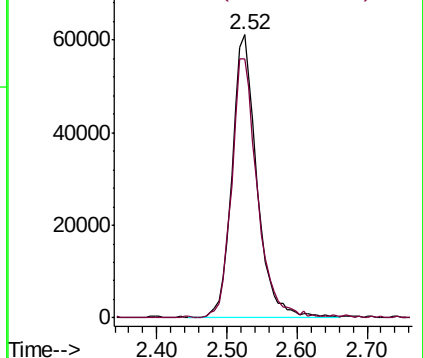
94 100

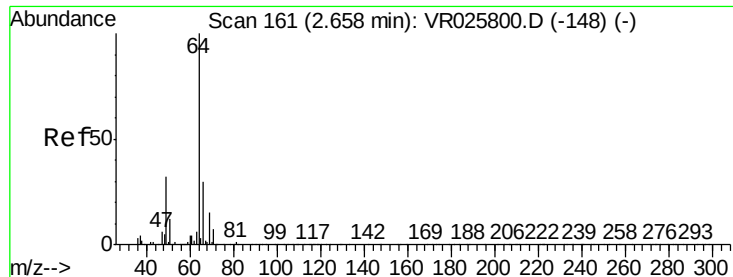
96 91.5 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 4.833 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Instrument :

MSVOA\_R

ClientSampleId :

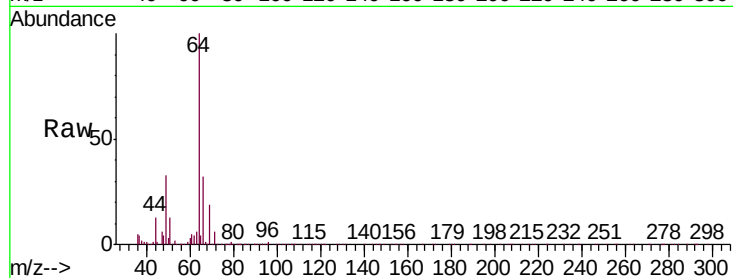
VICV24

Tgt Ion: 64 Resp: 150908

Ion Ratio Lower Upper

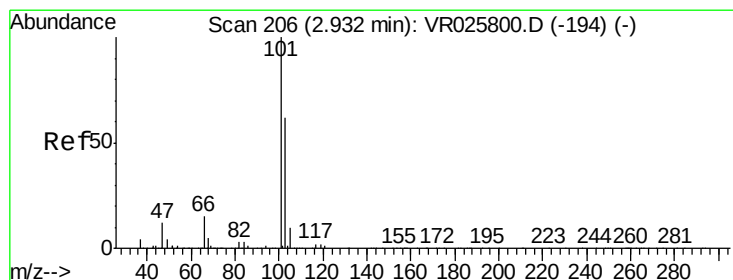
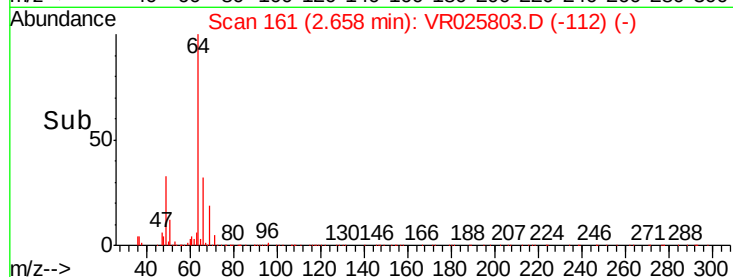
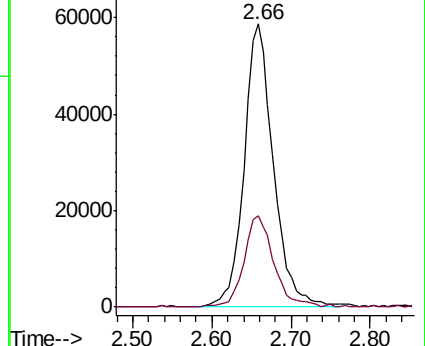
64 100

66 32.5 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 1.920 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR025803.D

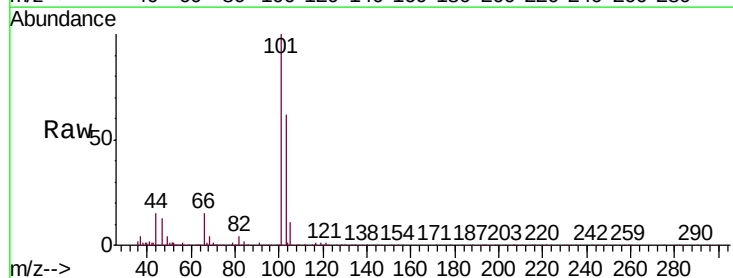
Acq: 21 Sep 2018 16:21

Tgt Ion: 101 Resp: 130849

Ion Ratio Lower Upper

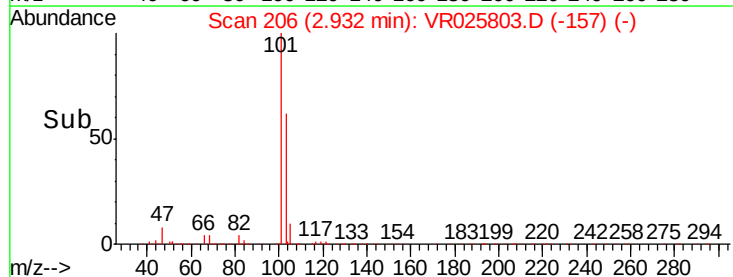
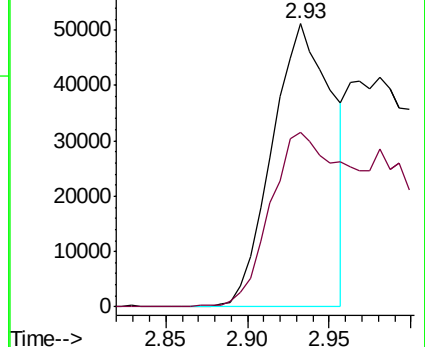
101 100

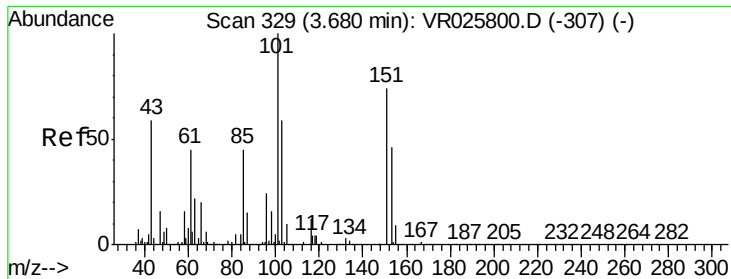
103 86.2 22.1 33.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.822 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

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Instrument :

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ClientSampled :

VICV24

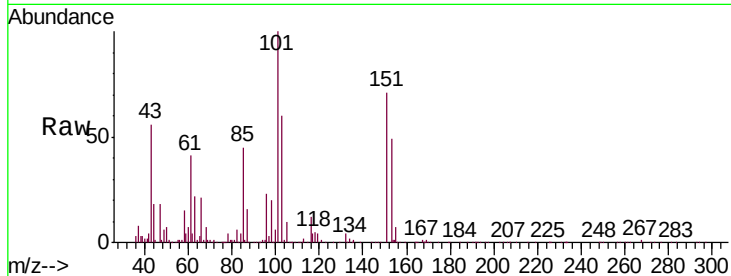
Tgt Ion:101 Resp: 200199

Ion Ratio Lower Upper

101 100

85 47.4 38.2 57.4

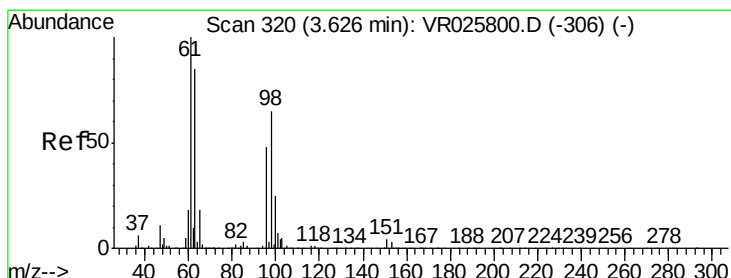
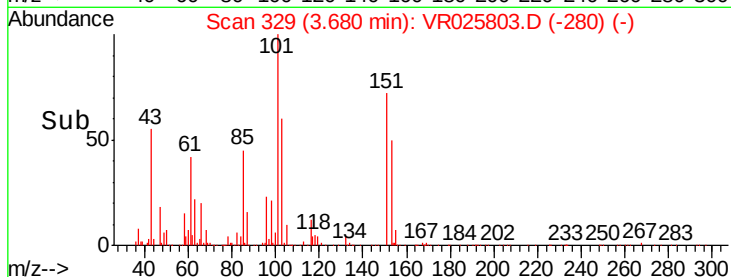
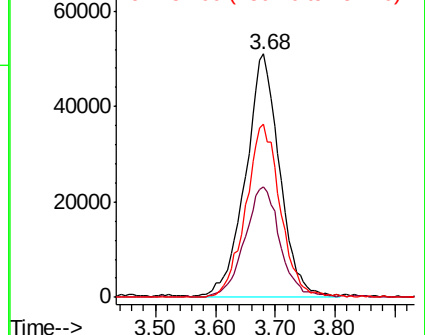
151 73.0 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.968 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

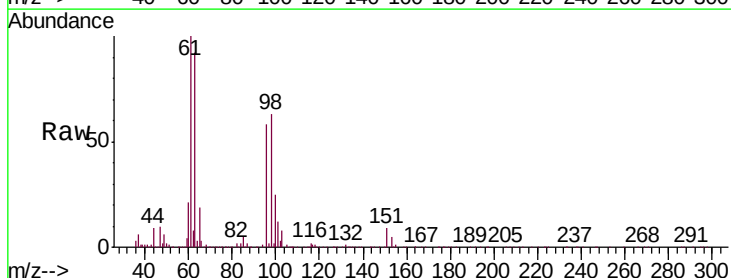
Tgt Ion: 96 Resp: 219304

Ion Ratio Lower Upper

96 100

61 173.1 145.0 269.4

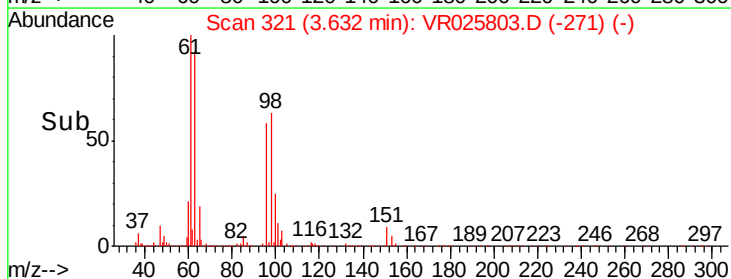
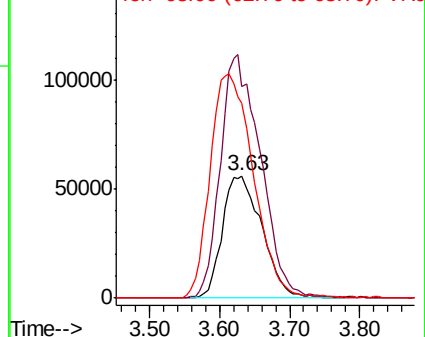
63 159.4 123.8 230.0



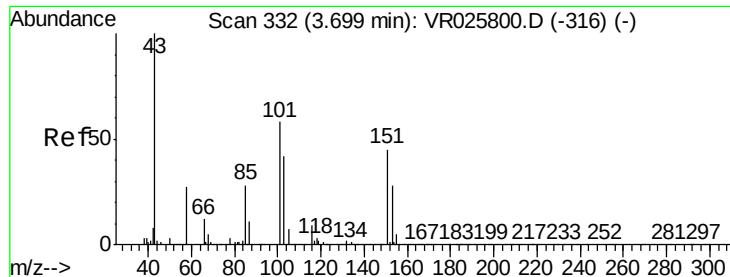
Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0







#13

Acetone

Concen: 43.692 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

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ClientSampleId :

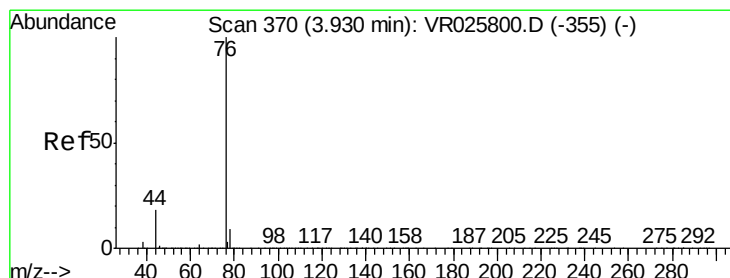
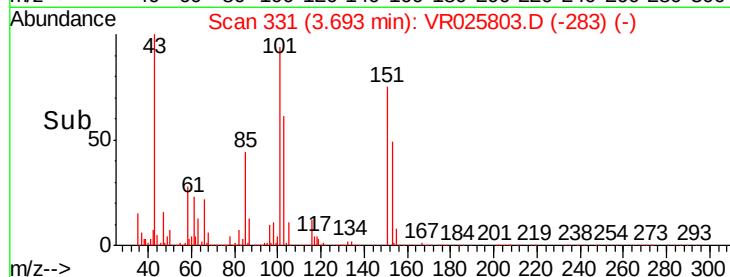
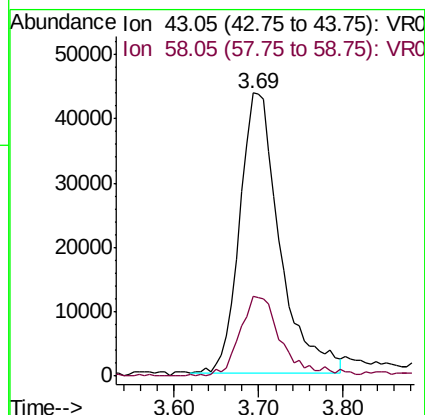
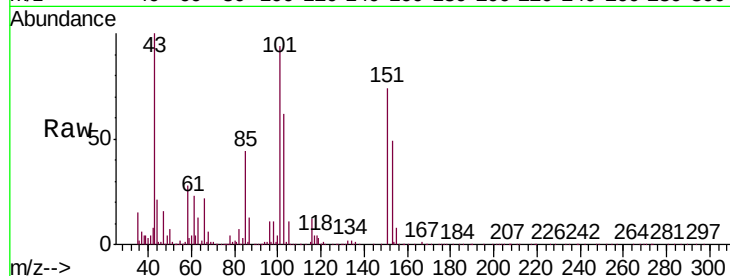
VICV24

Tgt Ion: 43 Resp: 140823

Ion Ratio Lower Upper

43 100

58 28.4 0.0 51.4



#14

Carbon disulfide

Concen: 5.126 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR025803.D

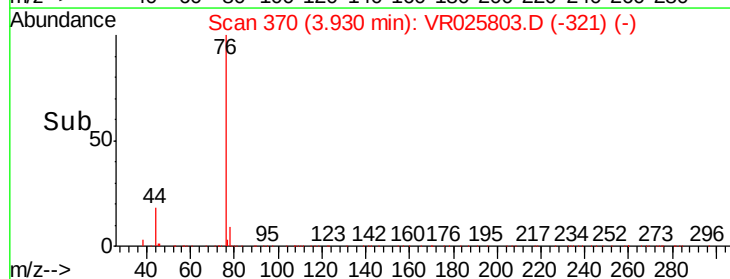
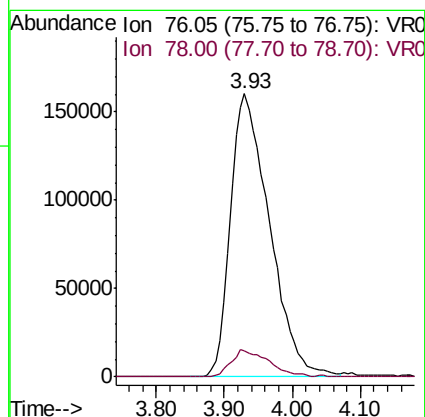
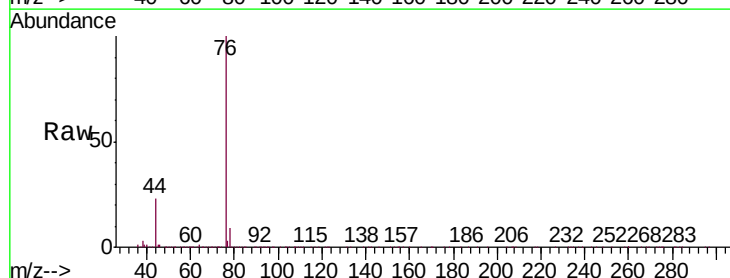
Acq: 21 Sep 2018 16:21

Tgt Ion: 76 Resp: 636590

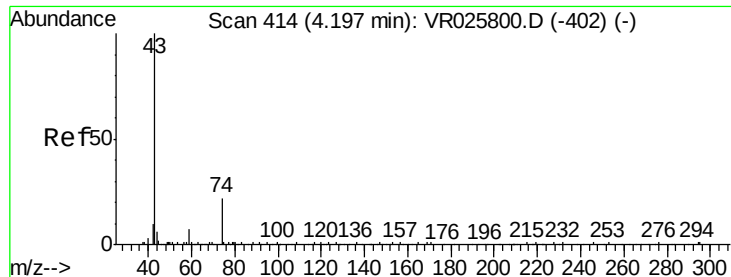
Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



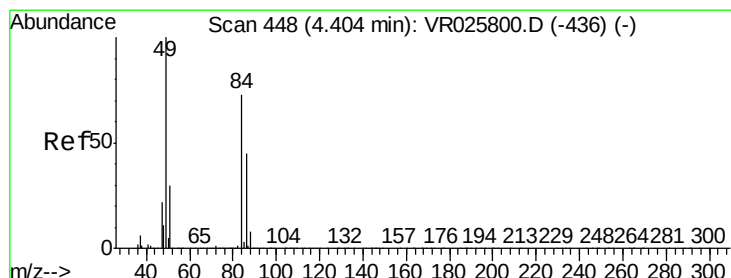
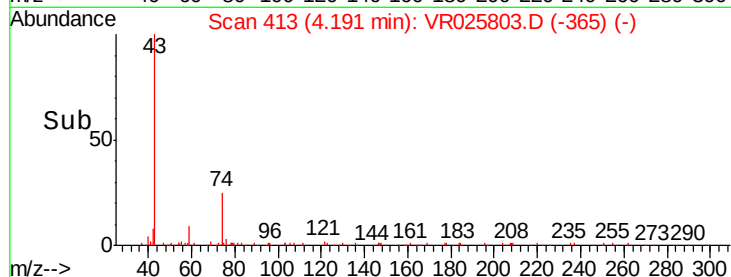
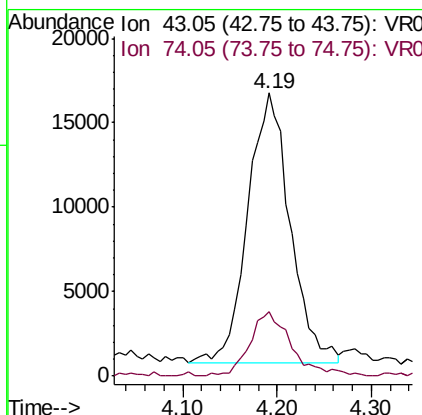
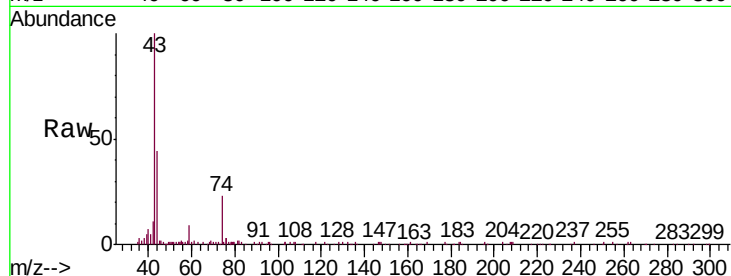




#15  
Methyl Acetate  
Concen: 4.875 ug/L  
RT: 4.19 min Scan# 413  
Delta R.T. -0.01 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

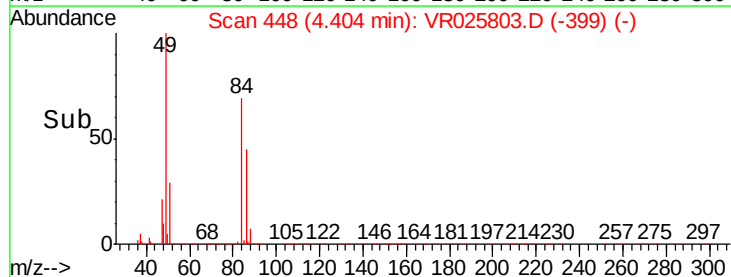
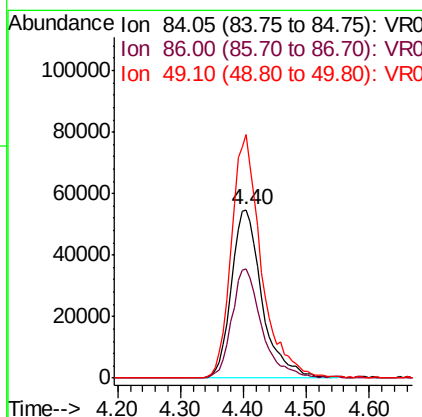
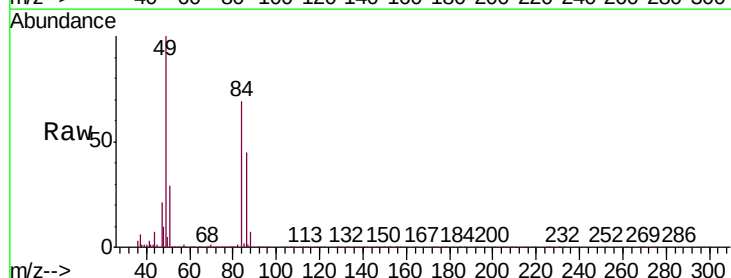
Instrument :  
MSVOA\_R  
ClientSampleId :  
VICV24

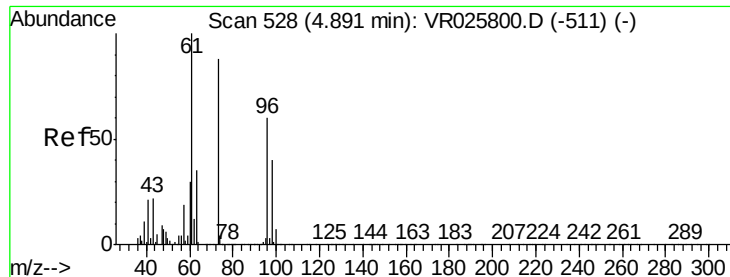
Tgt Ion: 43 Resp: 50409  
Ion Ratio Lower Upper  
43 100  
74 23.6 19.0 28.4



#16  
Methylene chloride  
Concen: 4.676 ug/L  
RT: 4.40 min Scan# 448  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

Tgt Ion: 84 Resp: 185578  
Ion Ratio Lower Upper  
84 100  
86 64.4 43.1 80.1  
49 144.5 95.5 177.3

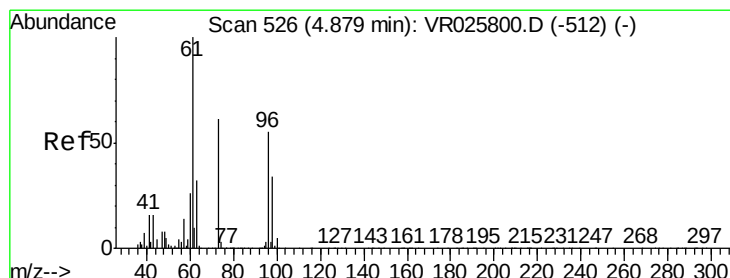
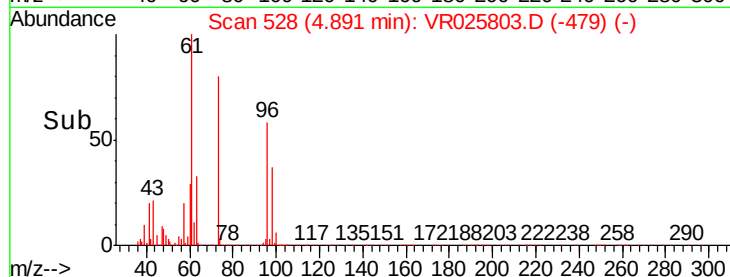
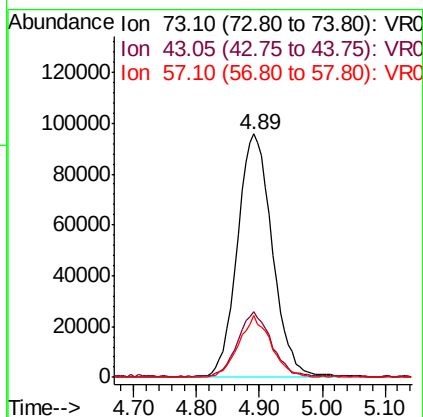
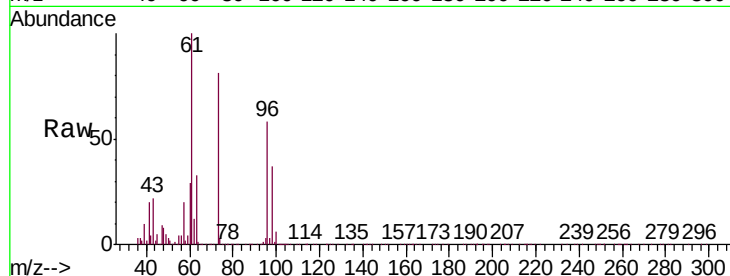




#17  
Methyl tert-butyl Ether  
Concen: 4.769 ug/L  
RT: 4.89 min Scan# 528  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

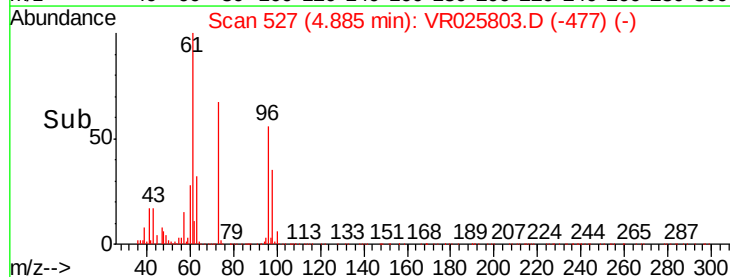
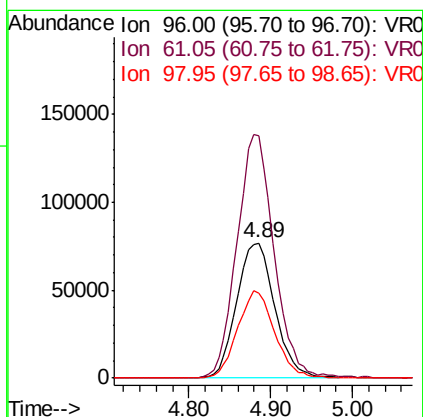
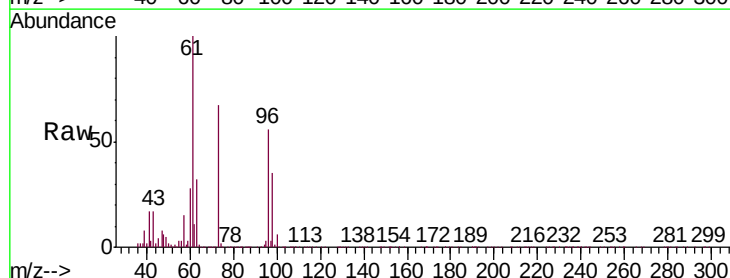
Instrument :  
MSVOA\_R  
ClientSampled :  
VICV24

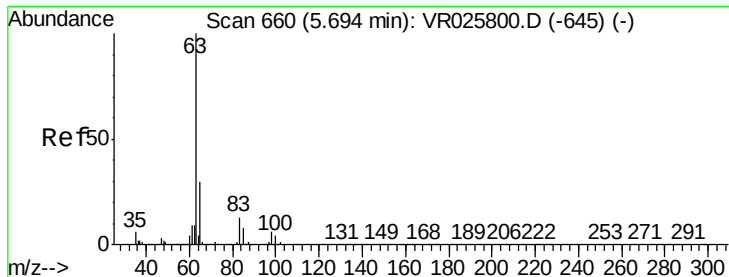
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 25.4  | 19.8  | 29.8  |
| 57      | 23.1  | 17.9  | 26.9  |



#18  
trans-1,2-Dichloroethene  
Concen: 5.003 ug/L  
RT: 4.89 min Scan# 527  
Delta R.T. 0.01 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 179.1 | 127.4 | 236.6 |
| 98      | 62.9  | 43.8  | 81.3  |

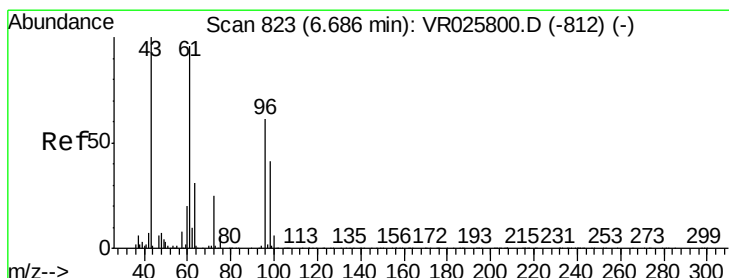
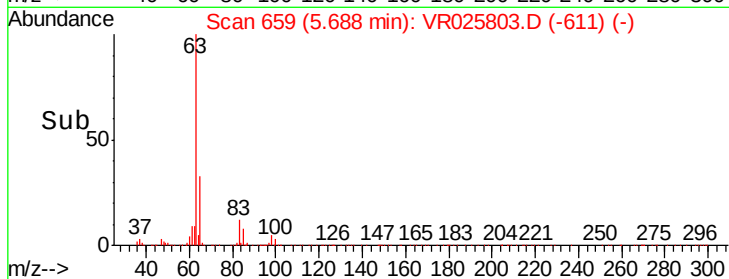
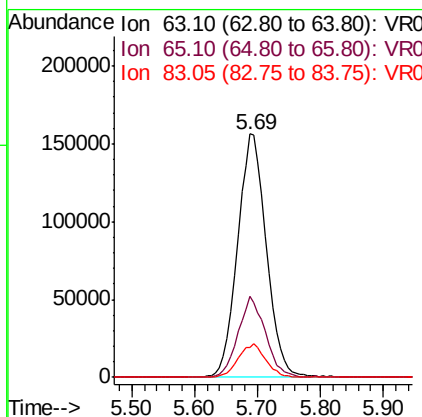
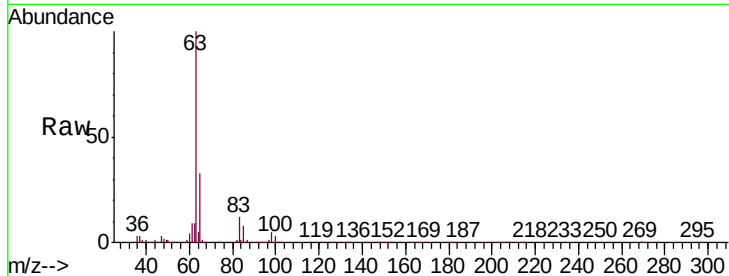




#19  
 1,1-Dichloroethane  
 Concen: 4.847 ug/L  
 RT: 5.69 min Scan# 659  
 Delta R.T. -0.01 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

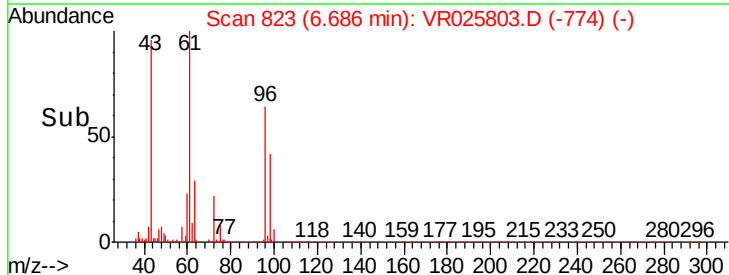
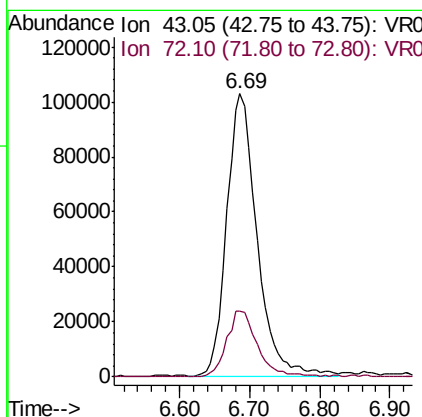
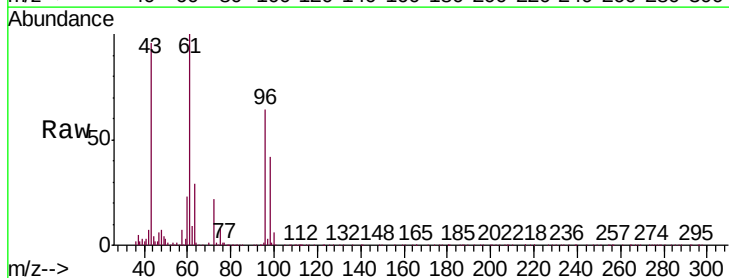
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VICV24

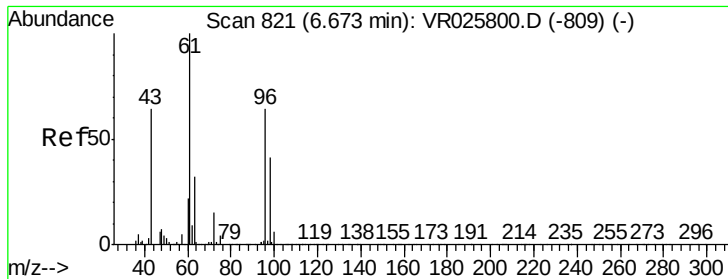
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 33.1  | 21.1  | 39.1  |
| 83      | 12.4  | 8.9   | 16.5  |



#21  
 2-Butanone  
 Concen: 45.921 ug/L  
 RT: 6.69 min Scan# 823  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 23.5  | 11.9  | 35.7  |



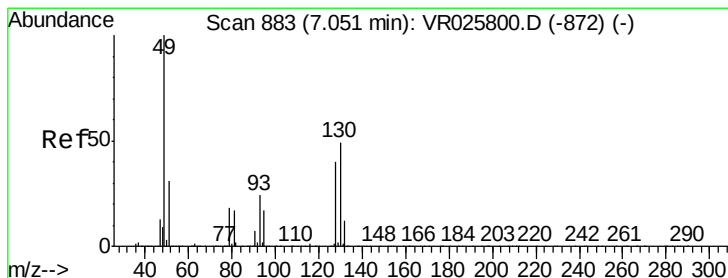
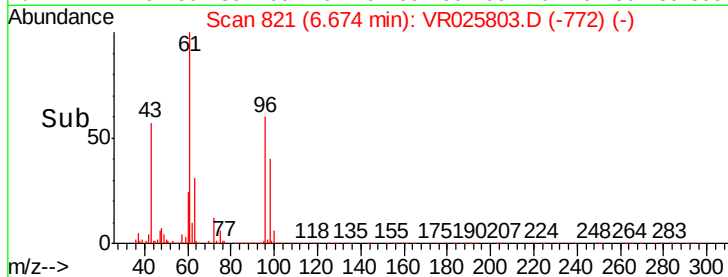
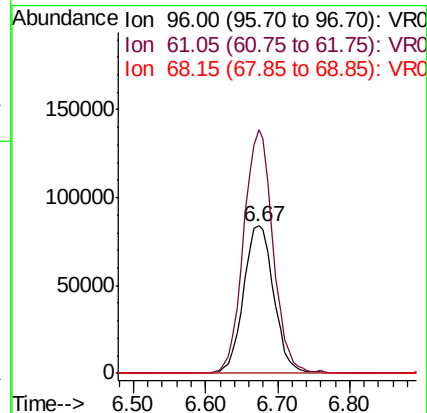
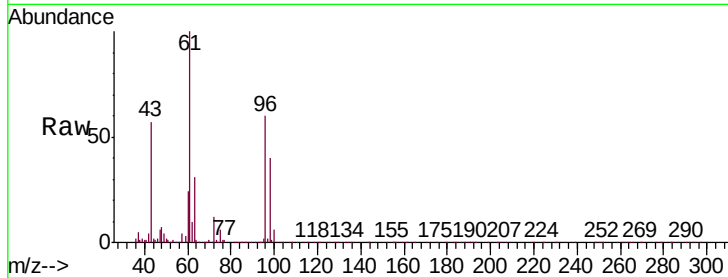


#22

cis-1,2-Dichloroethene  
 Concen: 4.849 ug/L  
 RT: 6.67 min Scan# 821  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

Instrument :  
 MSVOA\_R  
 ClientSampled :  
 VICV24

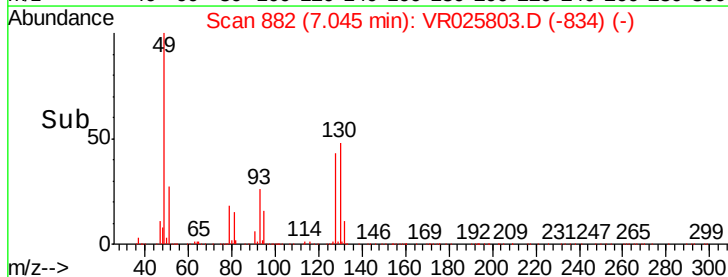
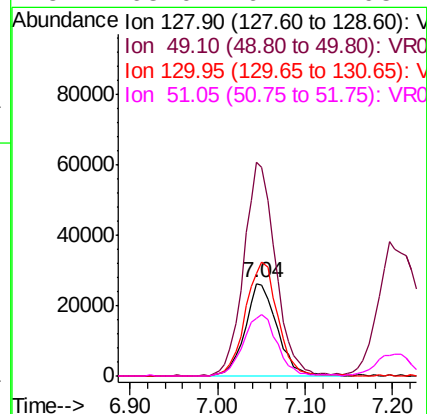
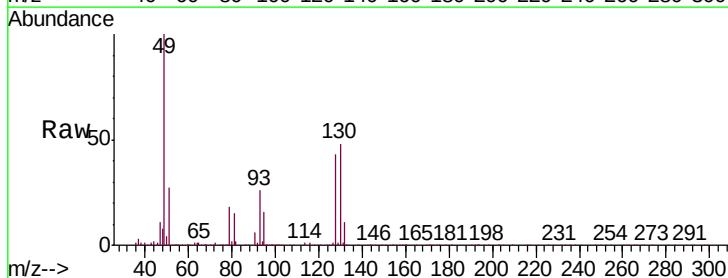
Tgt Ion: 96 Resp: 243900  
 Ion Ratio Lower Upper  
 96 100  
 61 165.3 108.7 201.9  
 68 0.1 0.1 0.1#

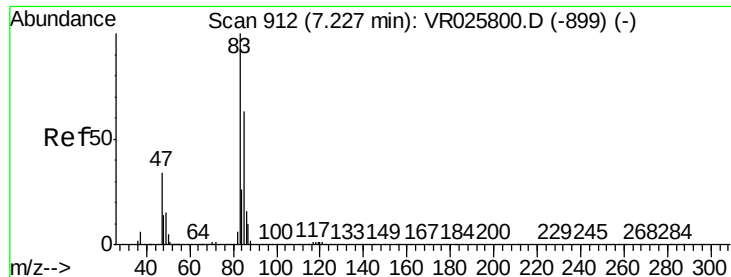


#23

Bromochloromethane  
 Concen: 4.953 ug/L  
 RT: 7.04 min Scan# 882  
 Delta R.T. -0.01 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

Tgt Ion: 128 Resp: 65655  
 Ion Ratio Lower Upper  
 128 100  
 49 231.0 175.0 325.0  
 130 110.2 85.6 159.0  
 51 63.0 62.2 93.2

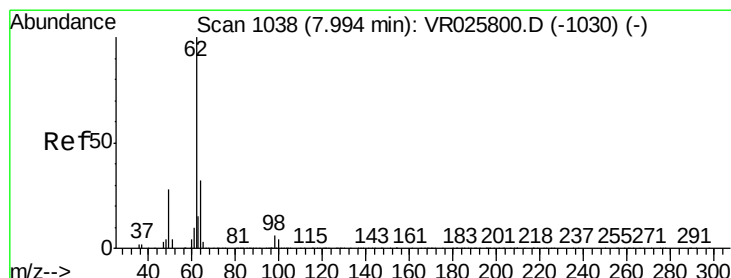
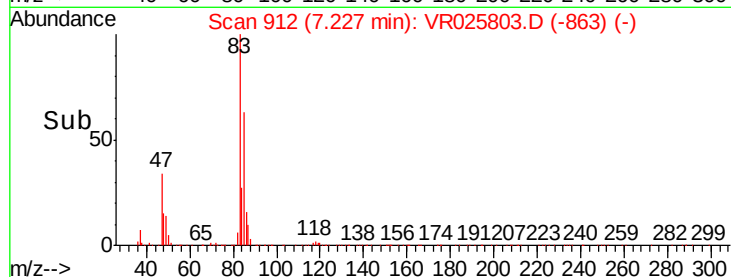
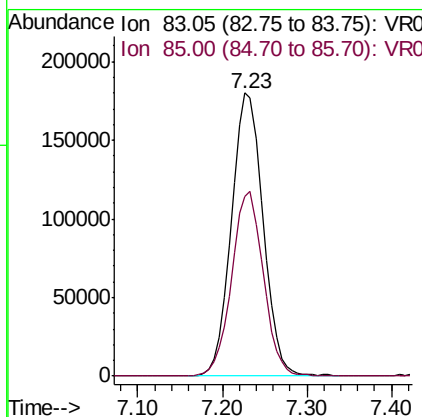
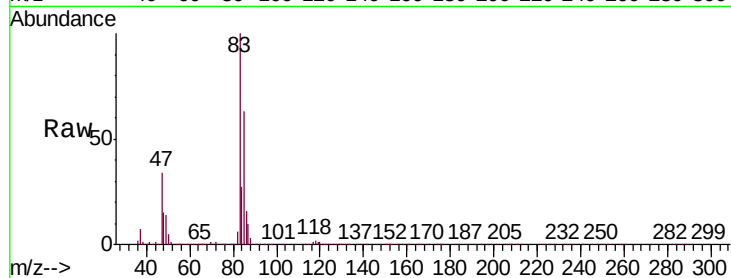




#25  
Chloroform  
Concen: 4.859 ug/L  
RT: 7.23 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

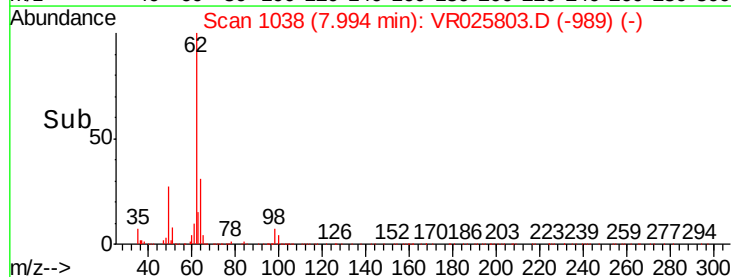
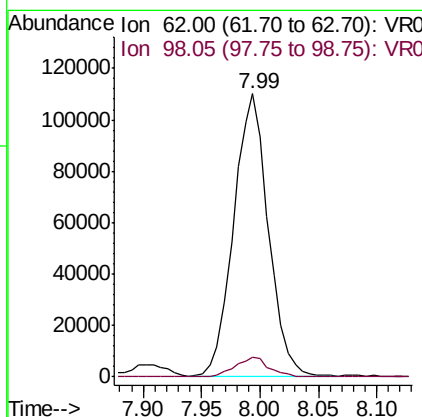
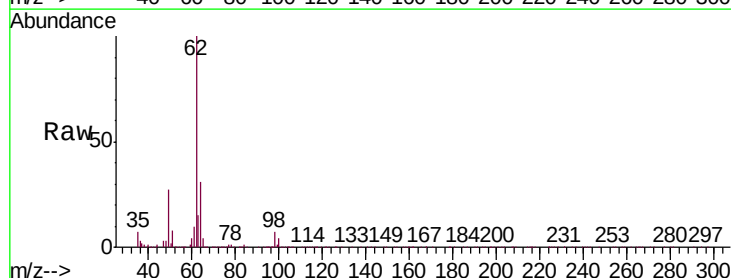
Instrument :  
MSVOA\_R  
ClientSampleId :  
VICV24

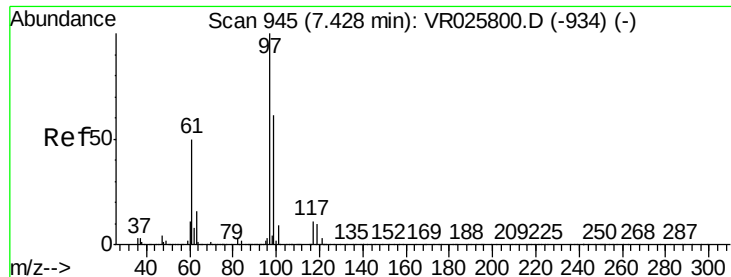
Tgt Ion: 83 Resp: 456143  
Ion Ratio Lower Upper  
83 100  
85 63.4 43.8 81.4



#27  
1,2-Dichloroethane  
Concen: 4.670 ug/L  
RT: 7.99 min Scan# 1038  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

Tgt Ion: 62 Resp: 226600  
Ion Ratio Lower Upper  
62 100  
98 7.1 5.2 7.8

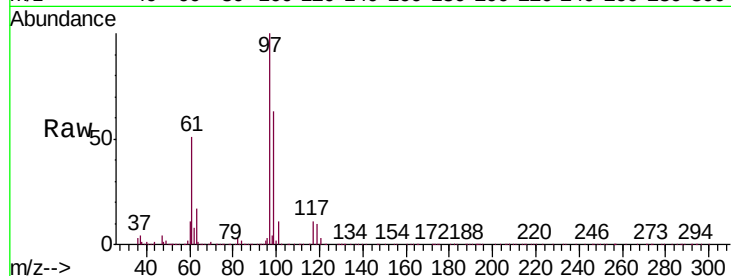




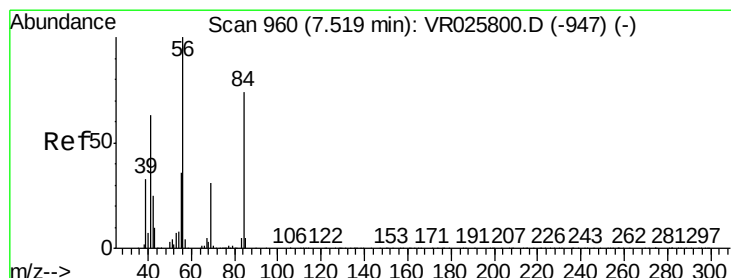
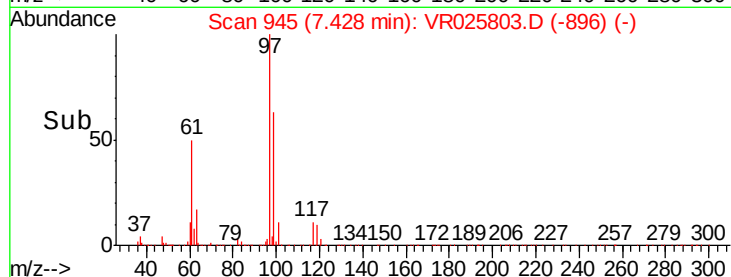
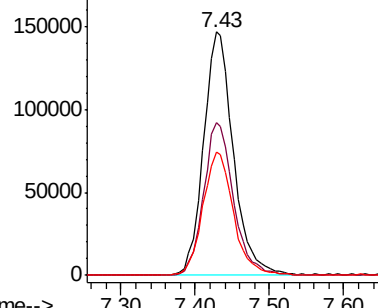
#29  
 1,1,1-Trichloroethane  
 Concen: 4.936 ug/L  
 RT: 7.43 min Scan# 945  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VICV24

Tgt Ion: 97 Resp: 410082  
 Ion Ratio Lower Upper  
 97 100  
 99 63.2 51.0 76.6  
 61 52.2 41.6 62.4

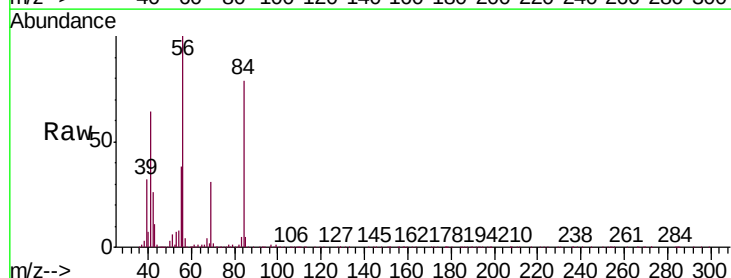


Abundance Ion 96.95 (96.65 to 97.65): VR0  
 200000  
 Ion 99.05 (98.75 to 99.75): VR0  
 Ion 61.05 (60.75 to 61.75): VR0

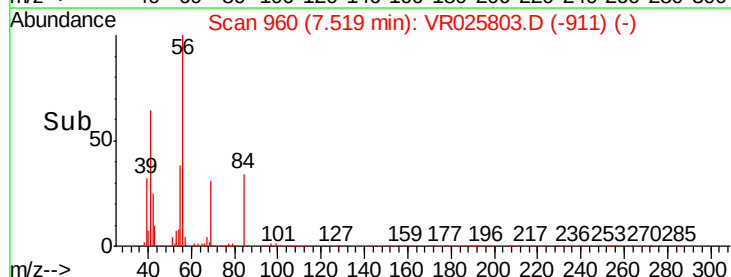
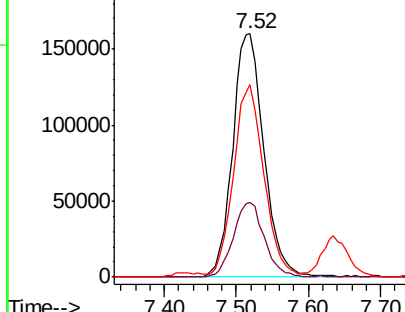


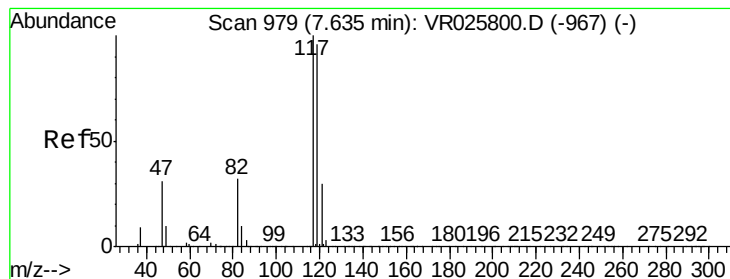
#30  
 Cyclohexane  
 Concen: 4.867 ug/L  
 RT: 7.52 min Scan# 960  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

Tgt Ion: 56 Resp: 482012  
 Ion Ratio Lower Upper  
 56 100  
 69 30.3 24.8 37.2  
 84 76.1 59.8 89.8



Abundance Ion 56.10 (55.80 to 56.80): VR0  
 200000  
 Ion 69.15 (68.85 to 69.85): VR0  
 Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.987 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Instrument :

MSVOA\_R

ClientSampled :

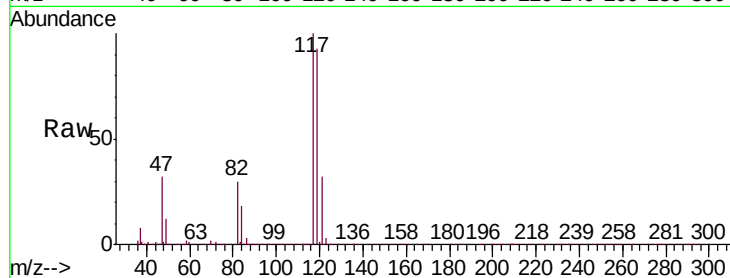
VICV24

Tgt Ion:117 Resp: 340887

Ion Ratio Lower Upper

117 100

119 95.6 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64

150000

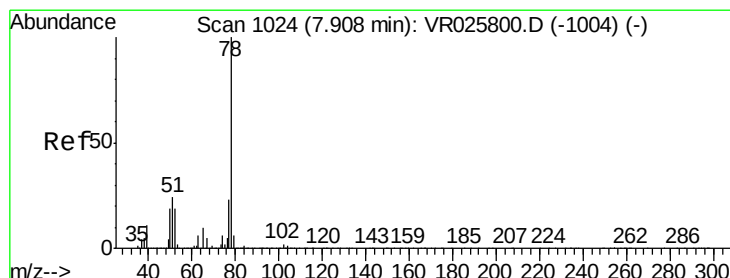
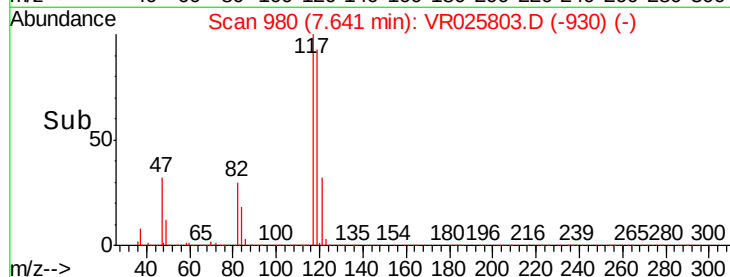
100000

50000

0

Time-->

7.50 7.60 7.70 7.80



#33

Benzene

Concen: 4.819 ug/L

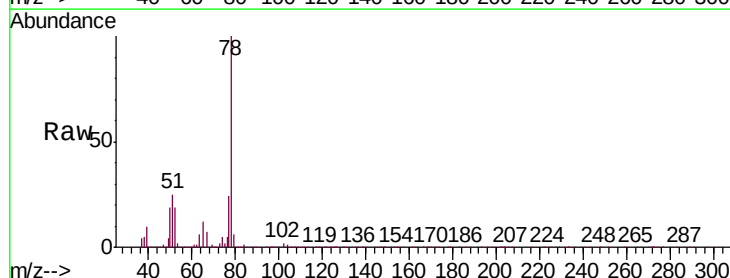
RT: 7.90 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Tgt Ion: 78 Resp: 1040489



Abundance Ion 78.10 (77.80 to 78.80): VR0

500000

400000

300000

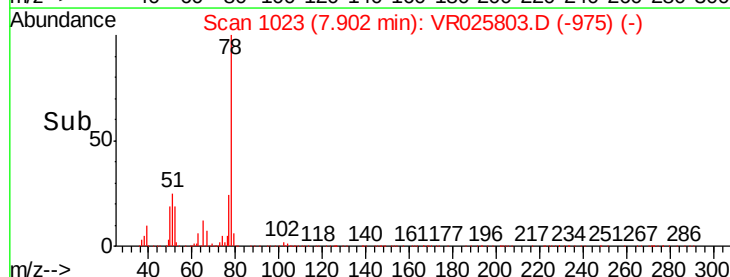
200000

100000

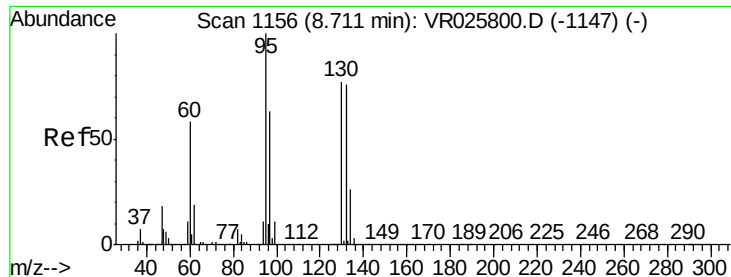
0

Time-->

7.80 7.90 8.00



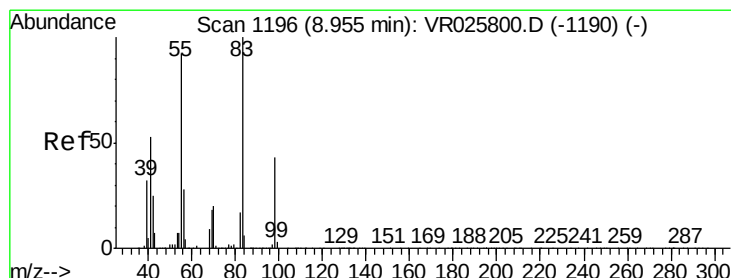
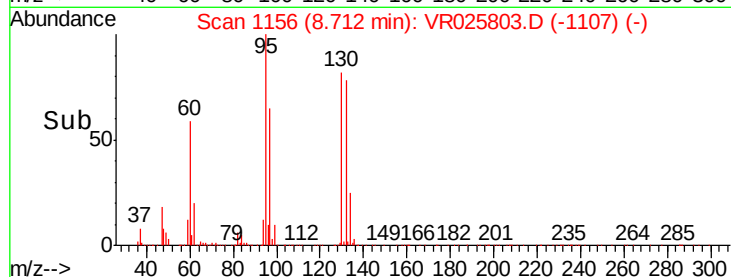
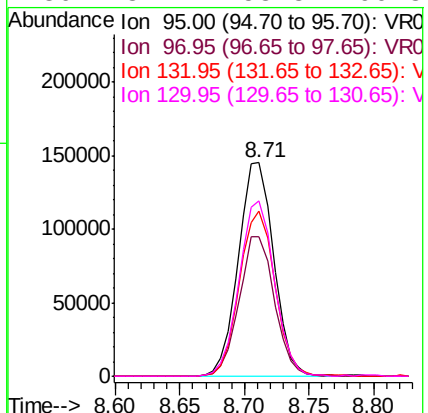
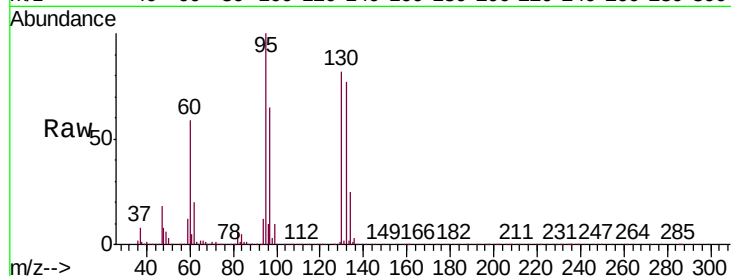




#34  
 Trichloroethene  
 Concen: 4.837 ug/L  
 RT: 8.71 min Scan# 1156  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

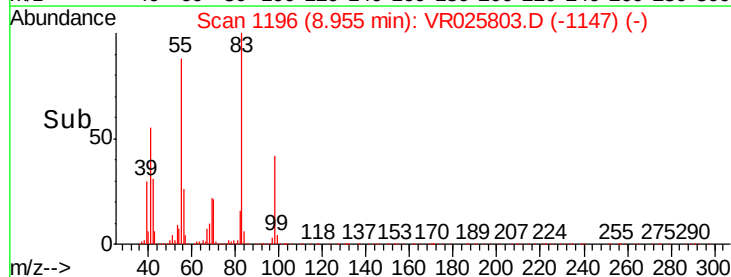
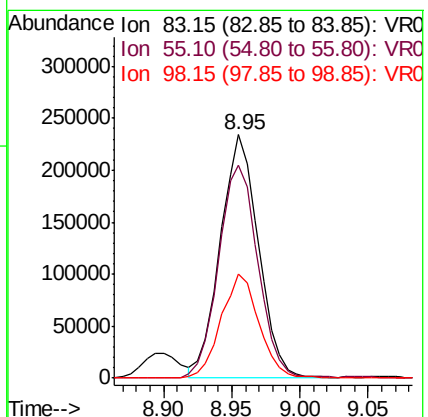
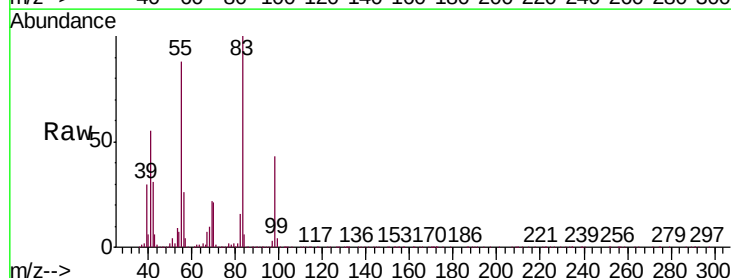
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VICV24

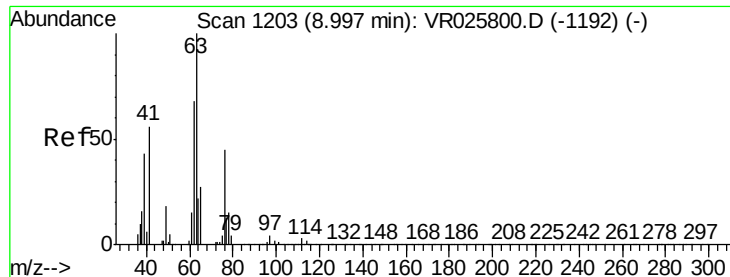
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 277188 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 65.2  | 43.9  | 81.5   |
| 132      | 77.5  | 53.3  | 98.9   |
| 130      | 82.1  | 53.8  | 99.8   |



#35  
 Methylcyclohexane  
 Concen: 4.822 ug/L  
 RT: 8.95 min Scan# 1196  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 453137 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 90.6  | 71.8  | 107.6  |
| 98       | 42.3  | 34.2  | 51.4   |

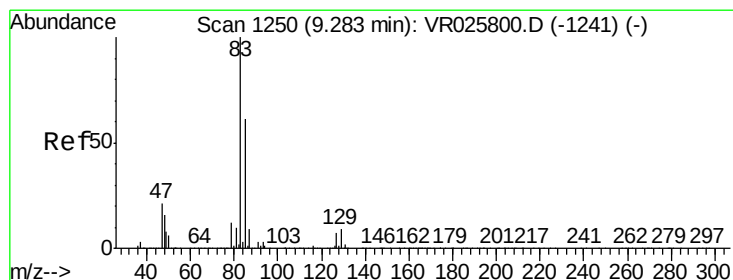
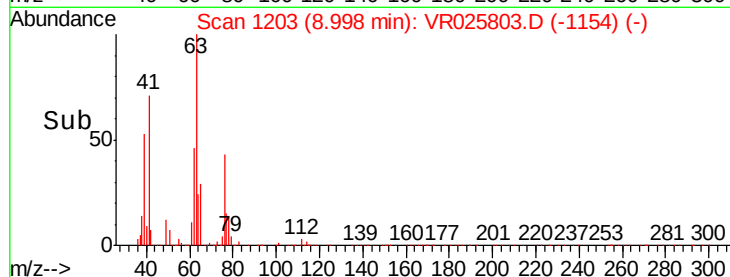
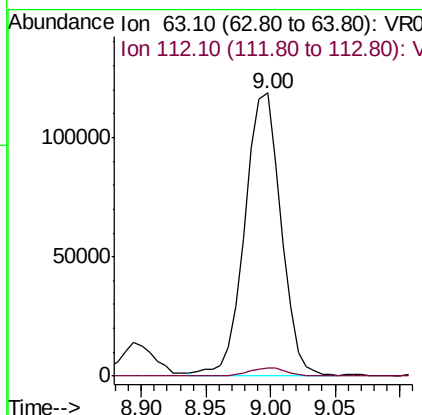
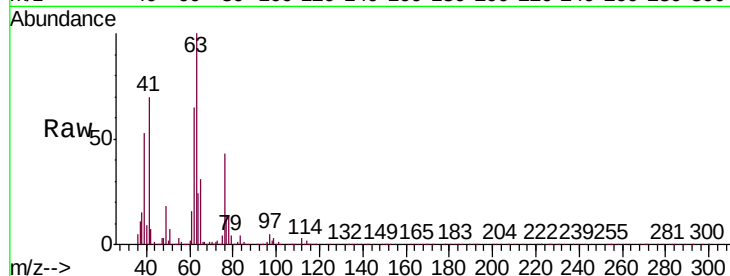




#37  
 1,2-Dichloropropane  
 Concen: 4.773 ug/L  
 RT: 9.00 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

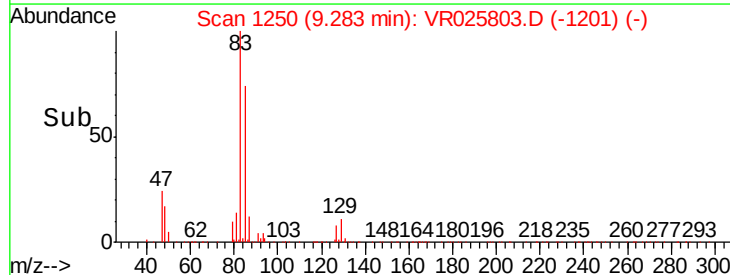
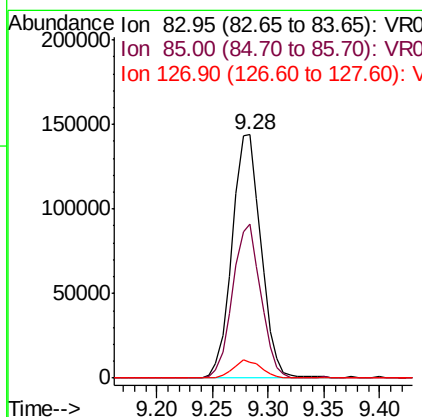
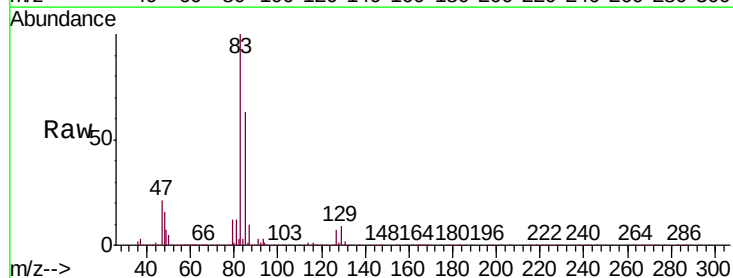
Instrument :  
 MSVOA\_R  
 ClientSampled :  
 VICV24

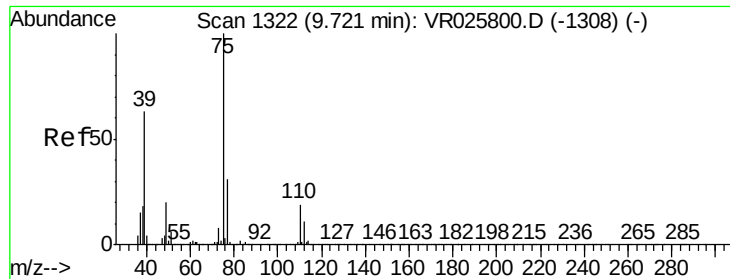
Tgt Ion: 63 Resp: 229787  
 Ion Ratio Lower Upper  
 63 100  
 112 3.1 2.5 3.7



#38  
 Bromodichloromethane  
 Concen: 4.849 ug/L  
 RT: 9.28 min Scan# 1250  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

Tgt Ion: 83 Resp: 257758  
 Ion Ratio Lower Upper  
 83 100  
 85 63.1 42.8 79.4  
 127 6.6 5.6 8.4

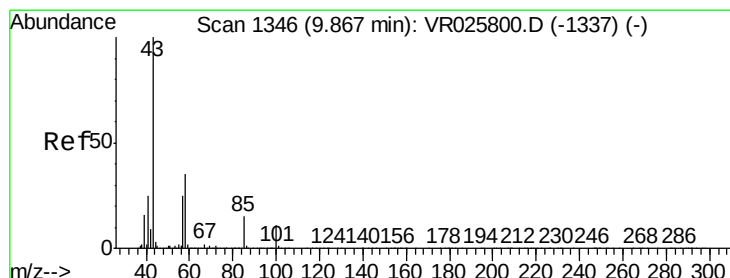
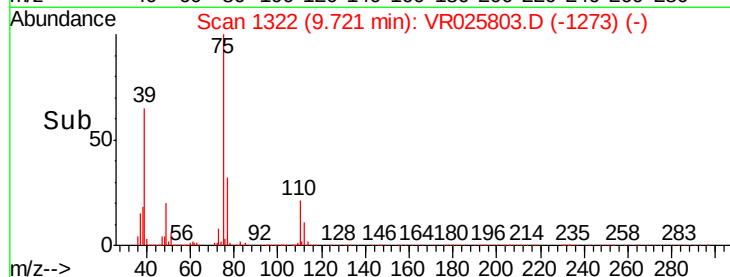
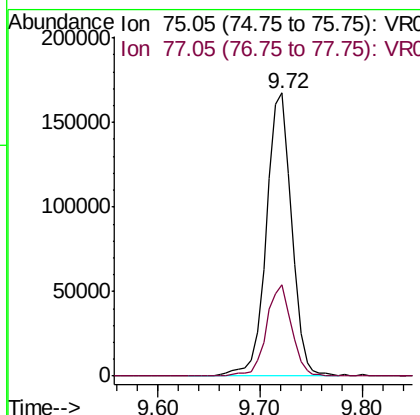
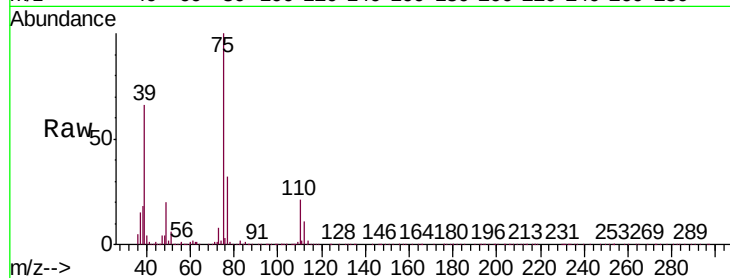




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.867 ug/L  
 RT: 9.72 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

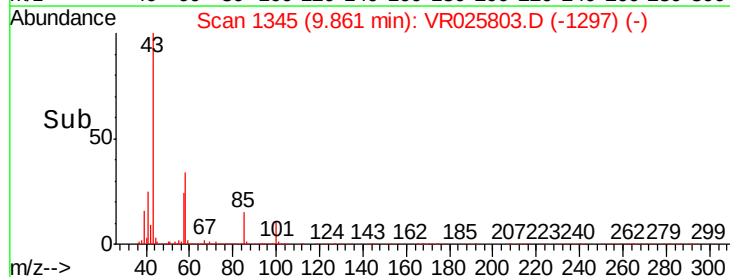
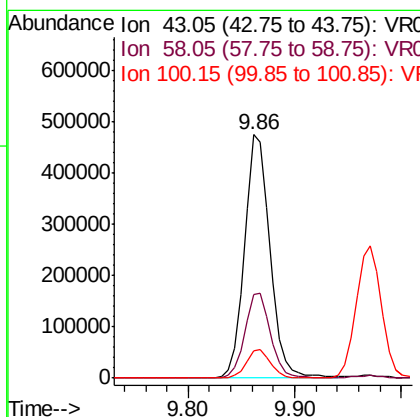
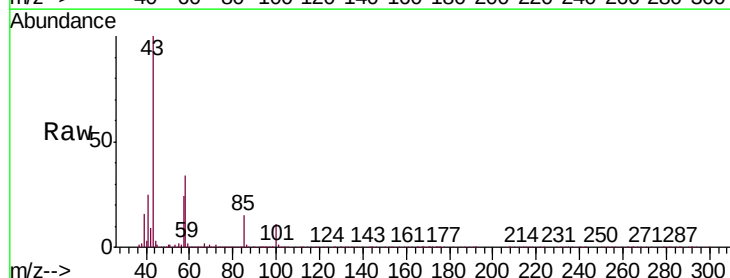
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VICV24

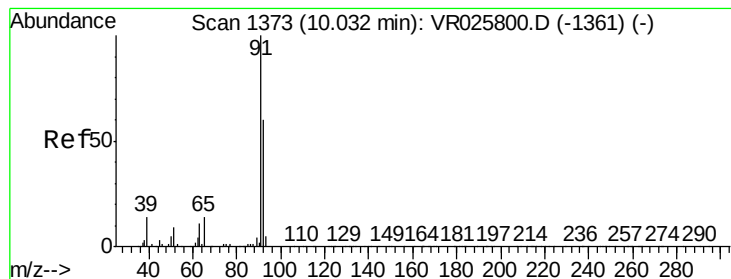
Tgt Ion: 75 Resp: 286862  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 21.5 39.9



#40  
 4-Methyl-2-pentanone  
 Concen: 47.568 ug/L  
 RT: 9.86 min Scan# 1345  
 Delta R.T. -0.01 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

Tgt Ion: 43 Resp: 797275  
 Ion Ratio Lower Upper  
 43 100  
 58 35.2 28.6 43.0  
 100 11.3 9.0 13.4





#42

Toluene

Concen: 4.849 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Instrument :

MSVOA\_R

ClientSampled :

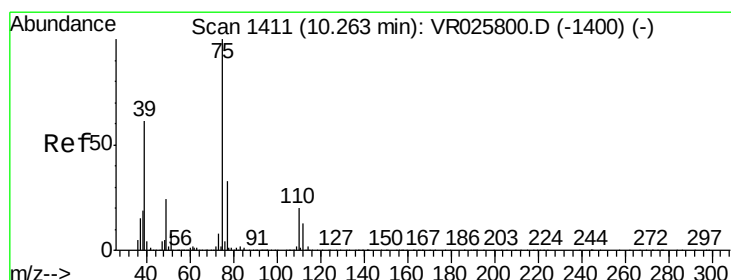
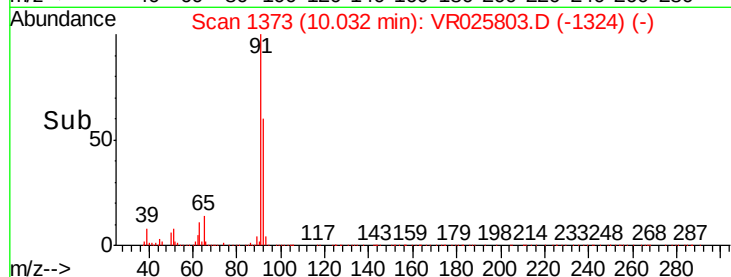
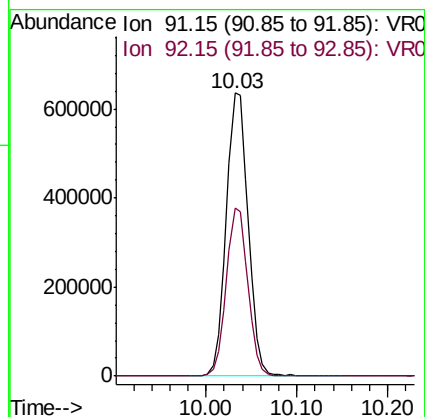
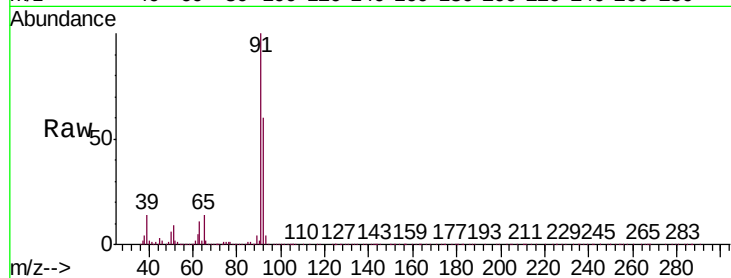
VICV24

Tgt Ion: 91 Resp: 1066965

Ion Ratio Lower Upper

91 100

92 59.5 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 4.914 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025803.D

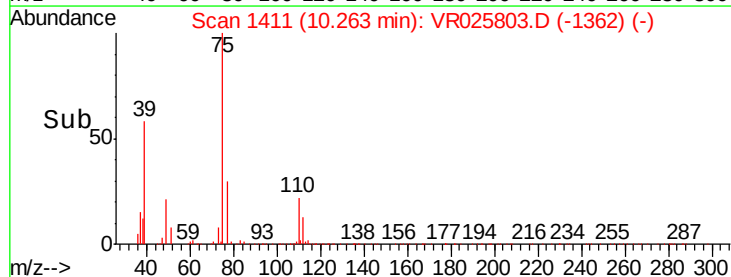
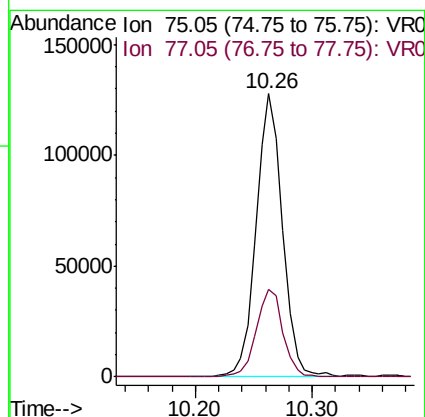
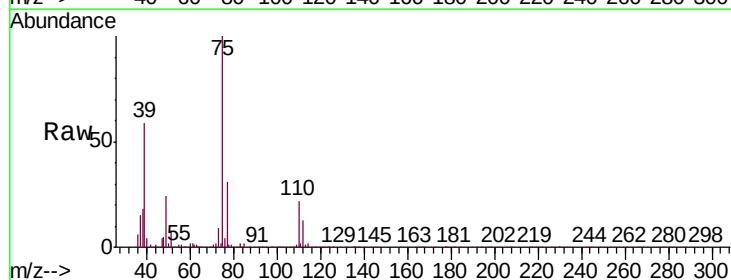
Acq: 21 Sep 2018 16:21

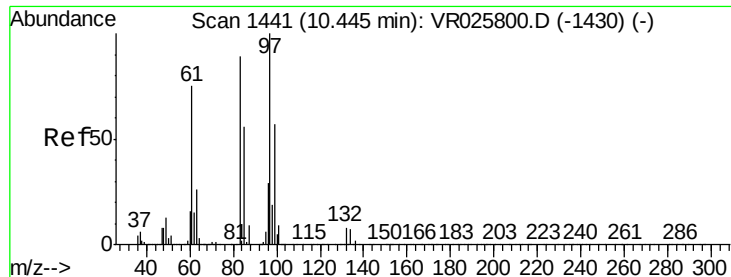
Tgt Ion: 75 Resp: 200708

Ion Ratio Lower Upper

75 100

77 30.7 23.0 42.8

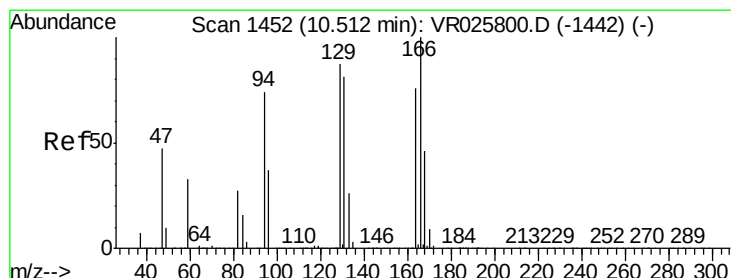
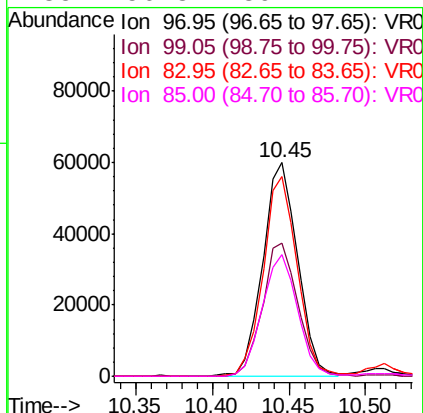
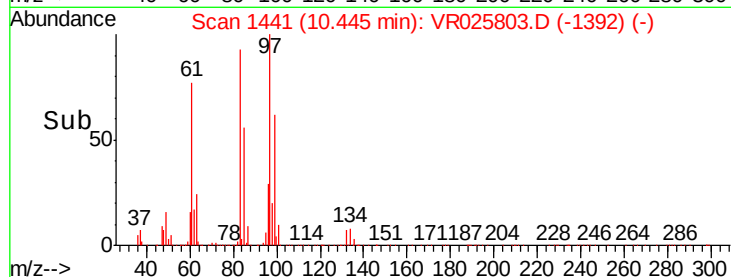
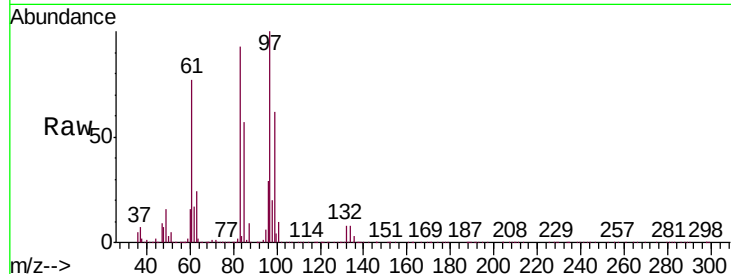




#45  
 1,1,2-Trichloroethane  
 Concen: 4.720 ug/L  
 RT: 10.45 min Scan# 1441  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

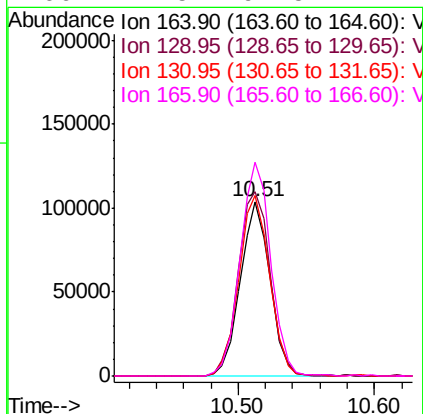
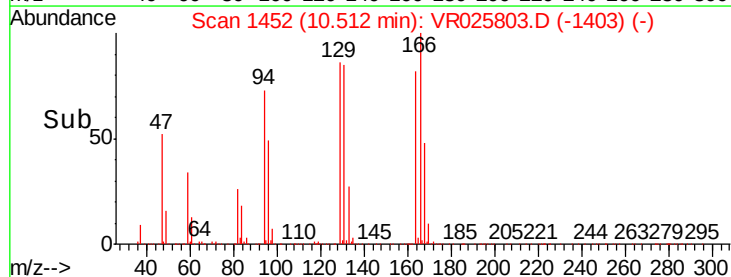
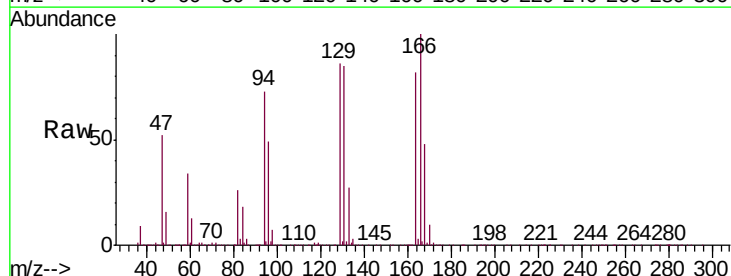
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VICV24

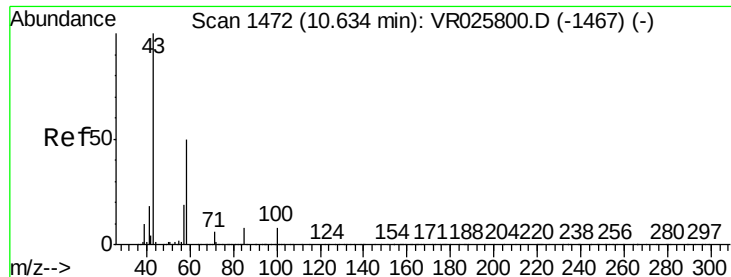
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 95272 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.5  | 39.6  | 73.6  |
| 83       | 93.3  | 62.2  | 115.6 |
| 85       | 56.8  | 39.1  | 72.7  |



#47  
 Tetrachloroethene  
 Concen: 4.844 ug/L  
 RT: 10.51 min Scan# 1452  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 158776 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 105.9 | 80.8  | 150.2  |
| 131      | 103.5 | 74.5  | 138.3  |
| 166      | 122.5 | 92.5  | 171.7  |

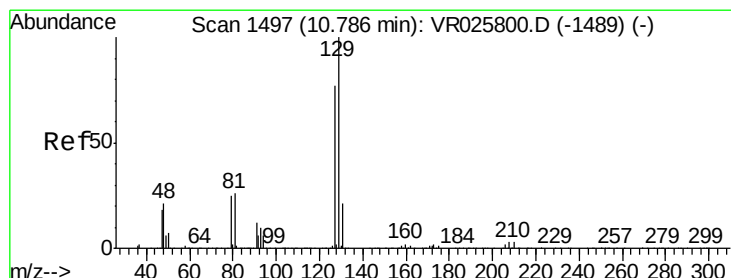
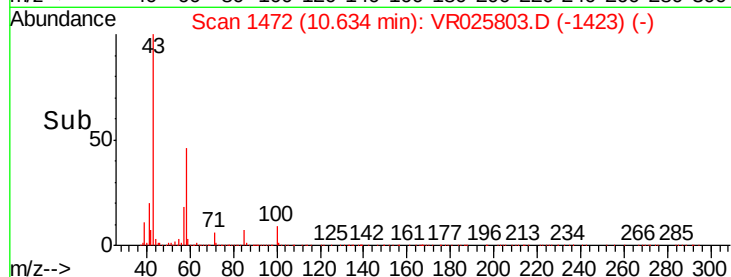
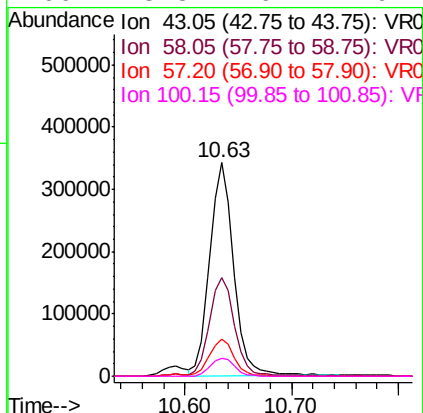
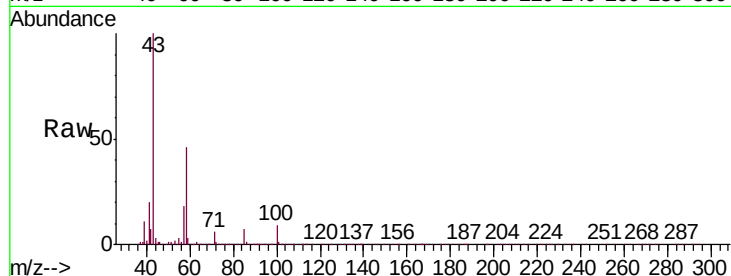




#48  
2-Hexanone  
Concen: 47.627 ug/L  
RT: 10.63 min Scan# 1472  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

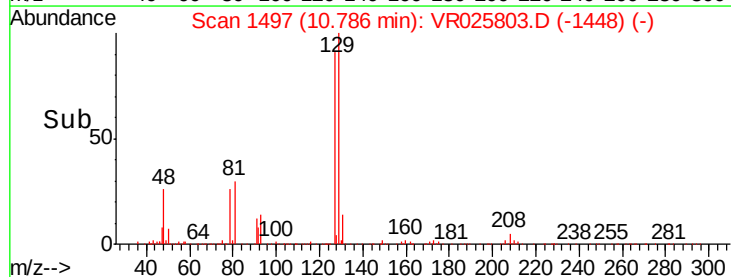
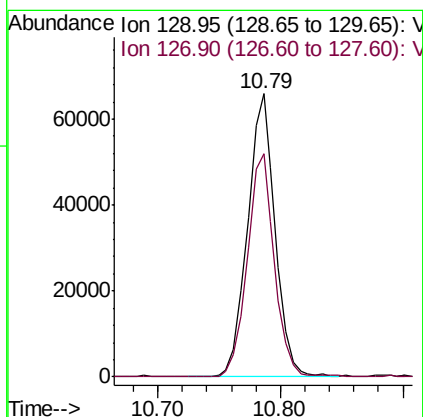
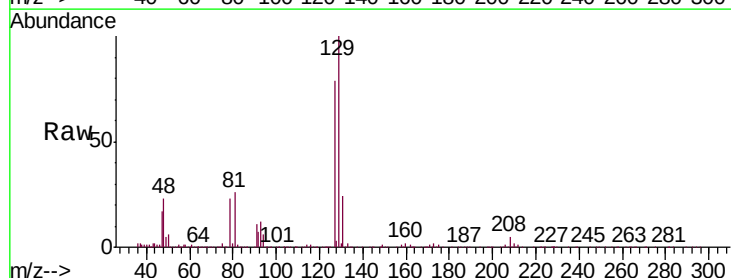
Instrument :  
MSVOA\_R  
ClientSampled :  
VICV24

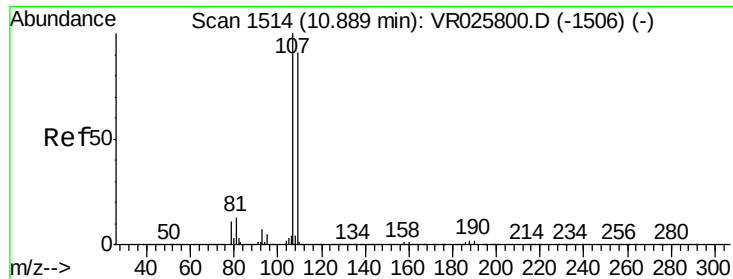
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 524977 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 50.0  | 39.5  | 59.3   |
| 57       | 17.8  | 14.6  | 21.8   |
| 100      | 8.8   | 6.7   | 10.1   |



#49  
Dibromochloromethane  
Concen: 4.899 ug/L  
RT: 10.79 min Scan# 1497  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 103015 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 79.0  | 54.1  | 100.5  |

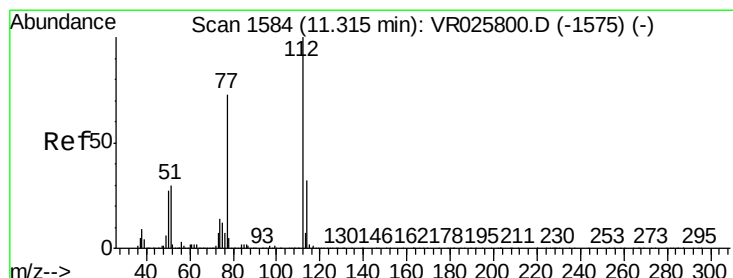
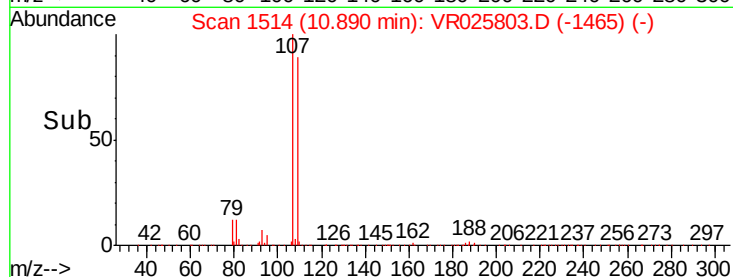
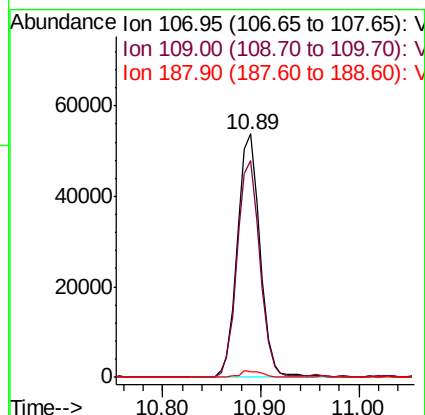
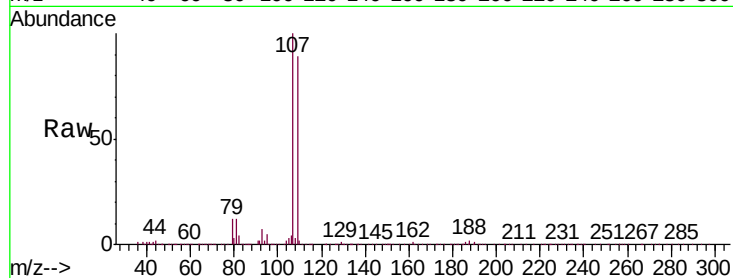




#50  
1,2-Dibromoethane  
Concen: 4.865 ug/L  
RT: 10.89 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

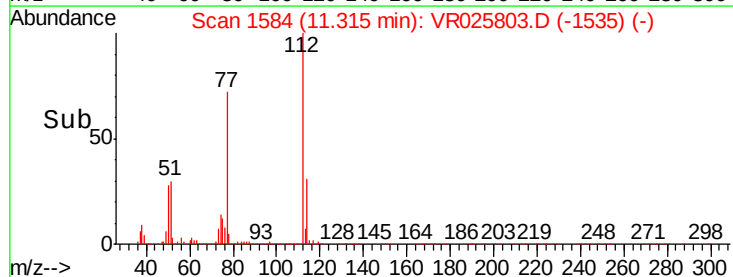
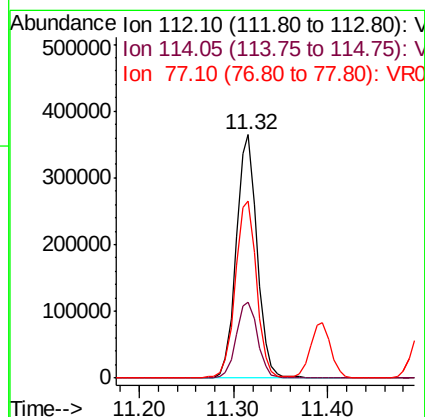
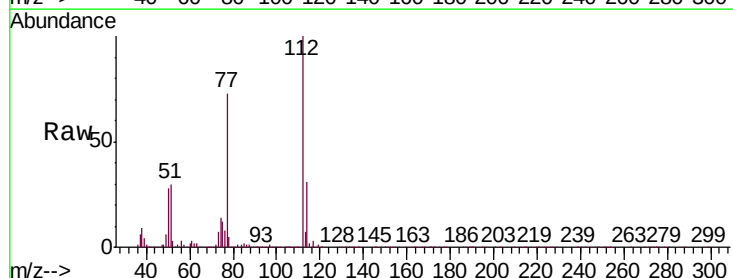
Instrument :  
MSVOA\_R  
ClientSampleId :  
VICV24

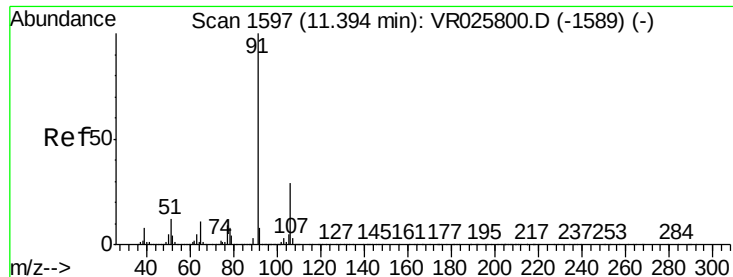
Tgt Ion:107 Resp: 86428  
Ion Ratio Lower Upper  
107 100  
109 89.0 63.5 117.9  
188 2.1 1.7 2.5



#51  
Chlorobenzene  
Concen: 4.812 ug/L  
RT: 11.32 min Scan# 1584  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

Tgt Ion:112 Resp: 555543  
Ion Ratio Lower Upper  
112 100  
114 31.4 22.7 42.3  
77 72.5 58.5 87.7





#52

Ethylbenzene

Concen: 4.978 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Instrument :

MSVOA\_R

ClientSampleId :

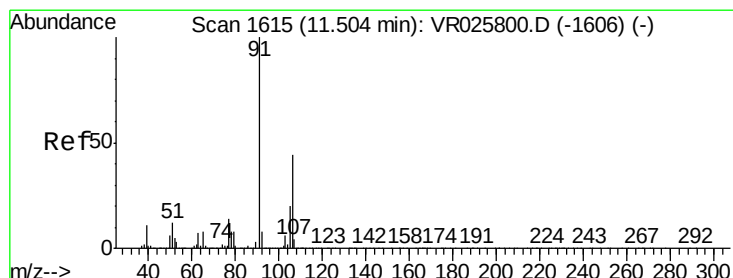
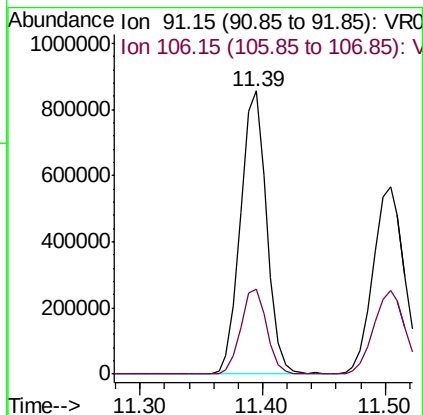
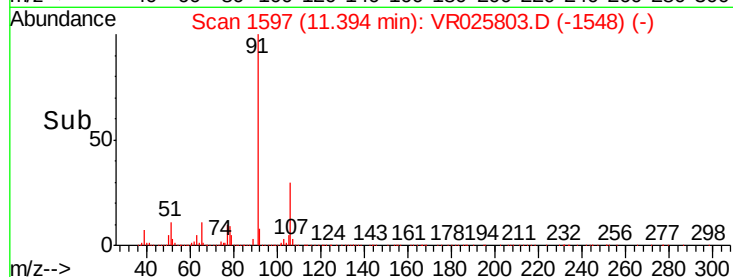
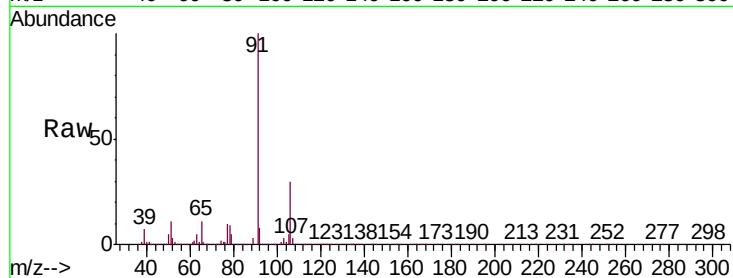
VICV24

Tgt Ion: 91 Resp: 1260480

Ion Ratio Lower Upper

91 100

106 29.9 20.6 38.4



#53

m,p-Xylene

Concen: 4.917 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025803.D

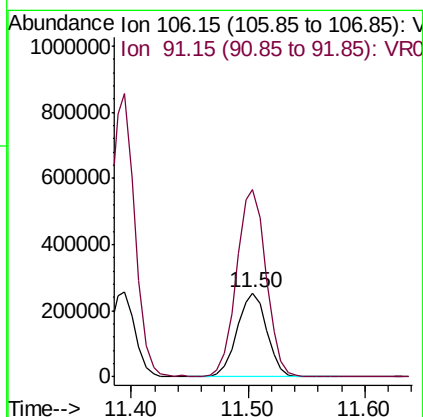
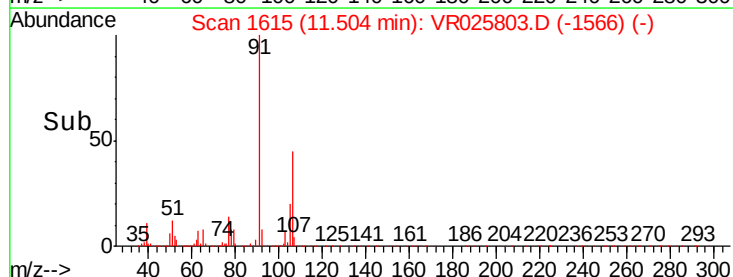
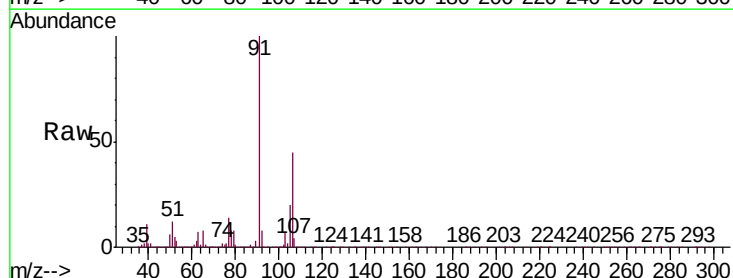
Acq: 21 Sep 2018 16:21

Tgt Ion: 106 Resp: 448906

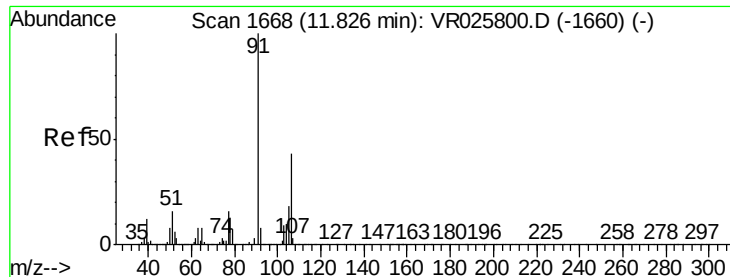
Ion Ratio Lower Upper

106 100

91 222.7 159.7 296.5



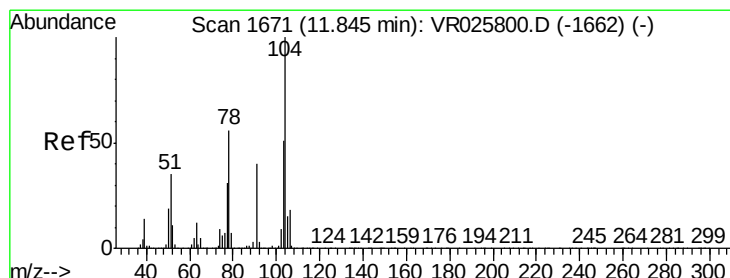
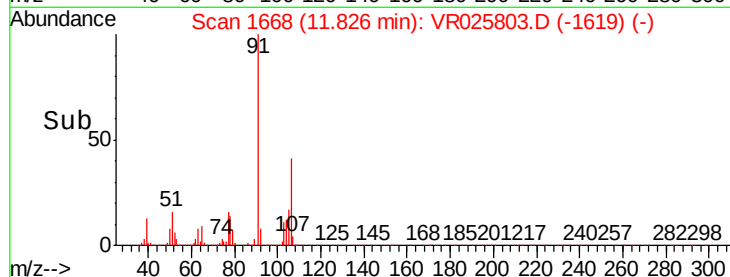
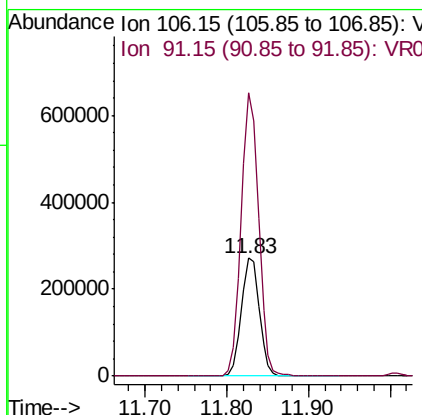
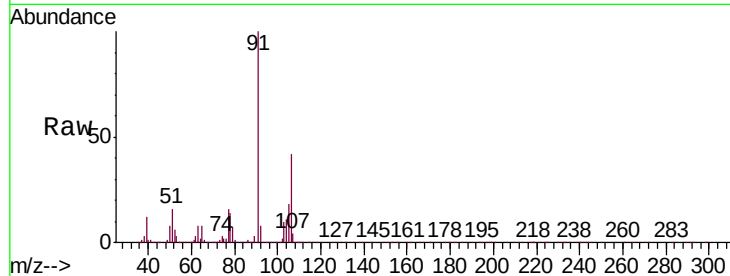




#54  
o-Xylene  
Concen: 4.943 ug/L  
RT: 11.83 min Scan# 1668  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

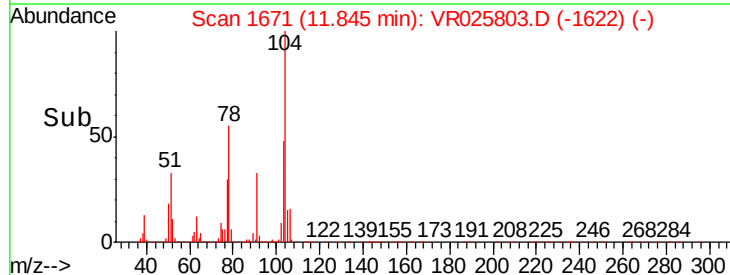
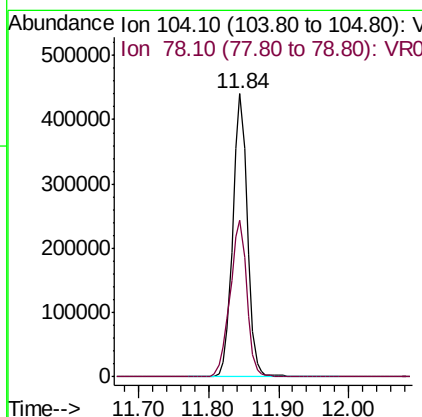
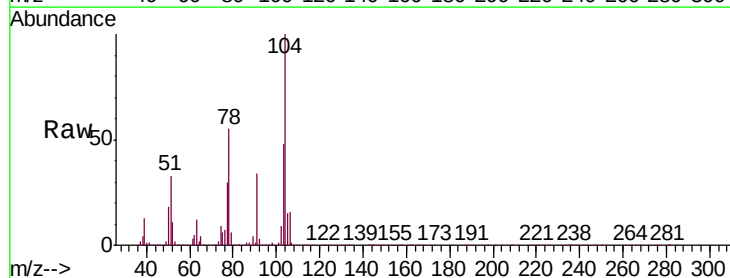
Instrument :  
MSVOA\_R  
ClientSampled :  
VICV24

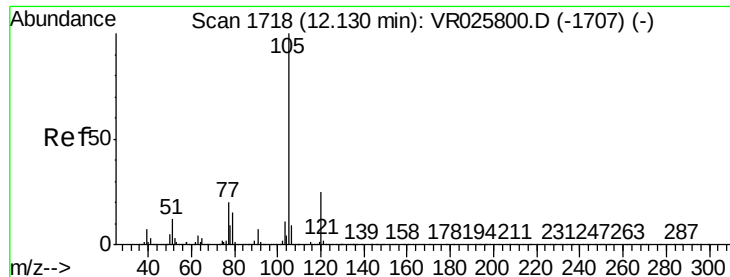
Tgt Ion:106 Resp: 413240  
Ion Ratio Lower Upper  
106 100  
91 239.9 164.5 305.5



#55  
Styrene  
Concen: 4.966 ug/L  
RT: 11.84 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VR025803.D  
Acq: 21 Sep 2018 16:21

Tgt Ion:104 Resp: 643276  
Ion Ratio Lower Upper  
104 100  
78 55.5 39.3 72.9





#56

Isopropylbenzene

Concen: 5.059 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Instrument :

MSVOA\_R

ClientSampled :

VICV24

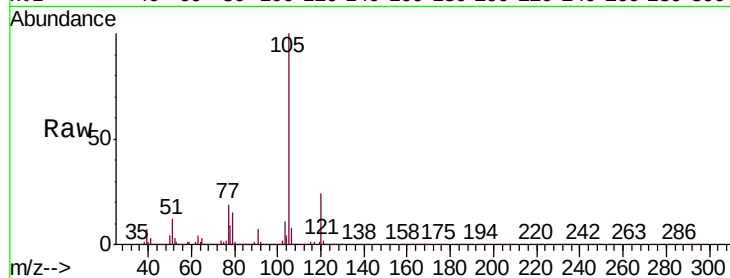
Tgt Ion: 105 Resp: 1183667

Ion Ratio Lower Upper

105 100

120 24.6 19.8 29.8

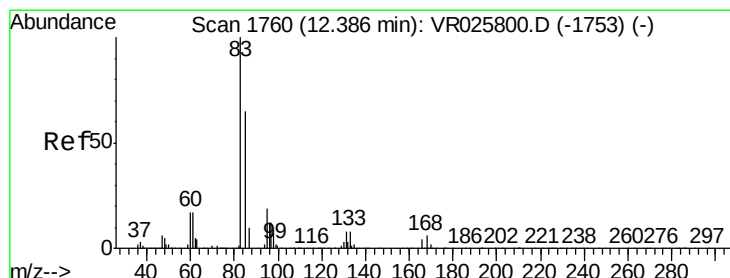
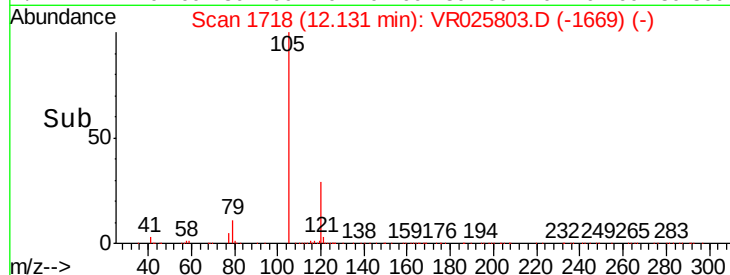
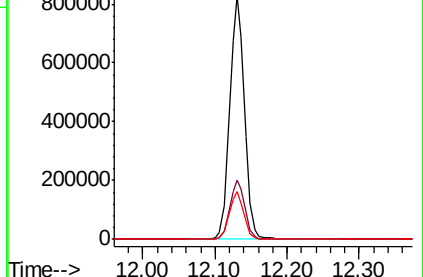
77 19.1 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.033 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

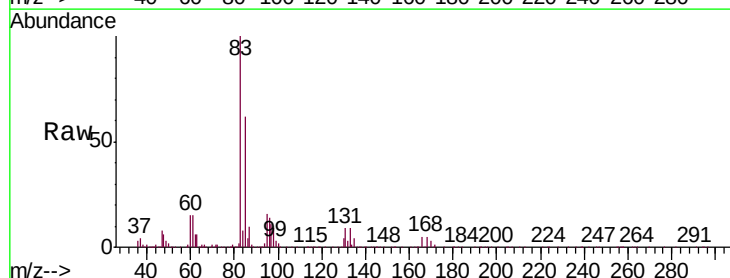
Tgt Ion: 83 Resp: 99686

Ion Ratio Lower Upper

83 100

85 62.5 45.8 85.0

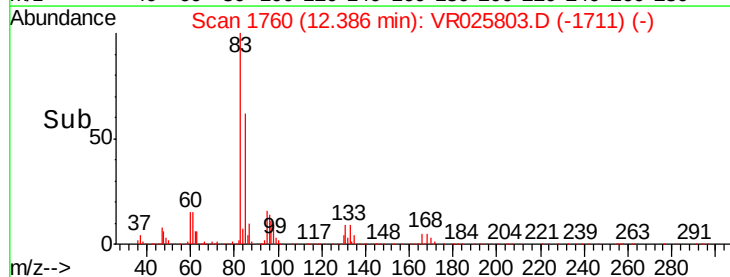
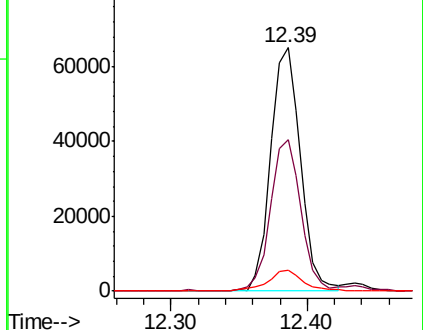
131 8.6 6.6 9.8

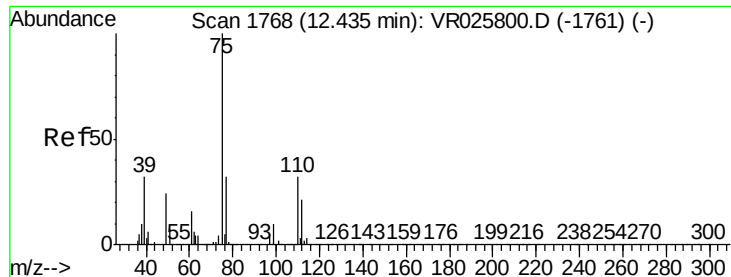


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

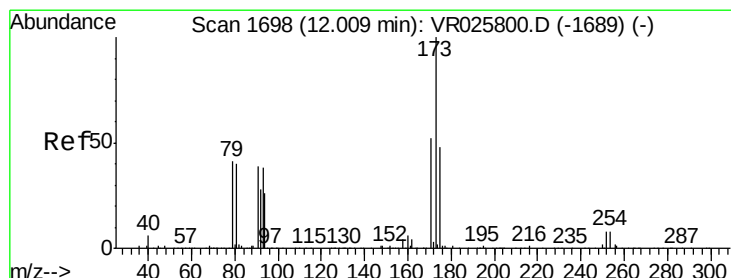
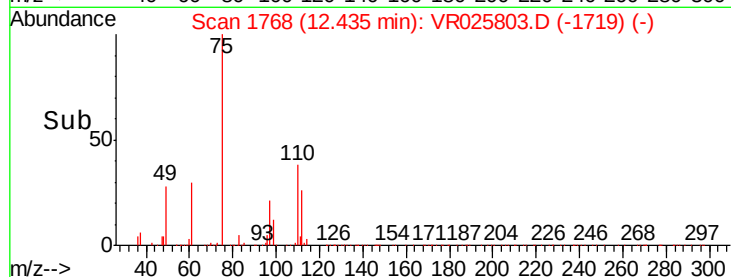
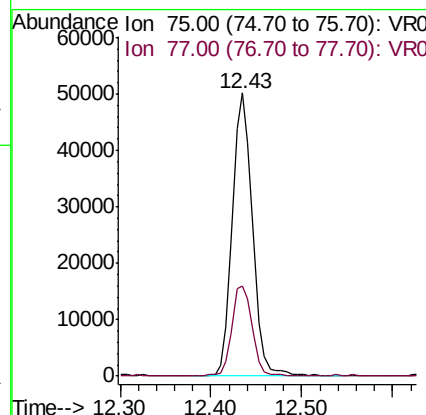
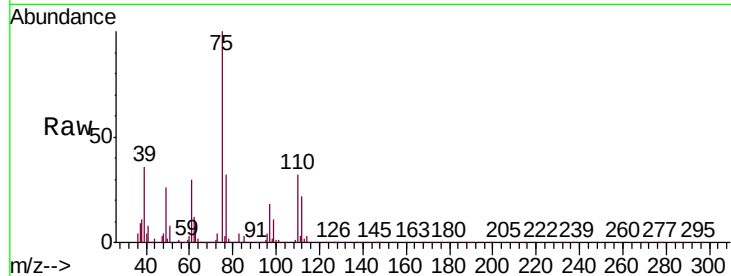




#59  
 1,2,3-Trichloropropane  
 Concen: 4.926 ug/L  
 RT: 12.43 min Scan# 1768  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

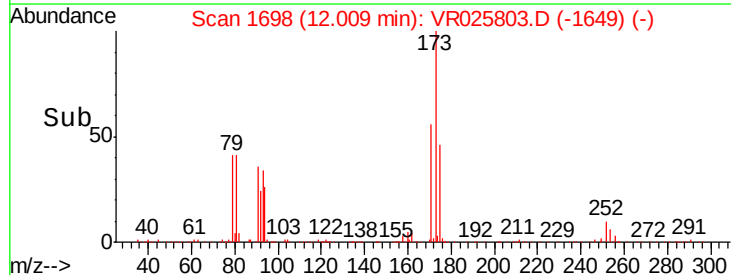
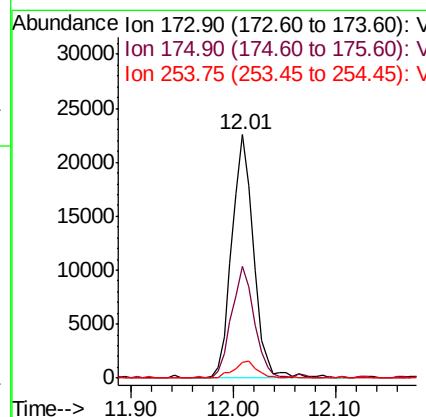
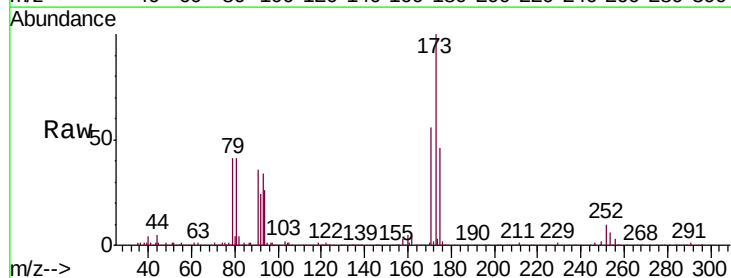
Instrument :  
 MSVOA\_R  
 ClientSampled :  
 VICV24

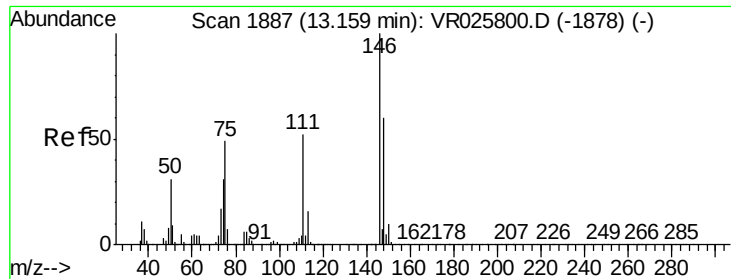
Tgt Ion: 75 Resp: 77459  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 25.8 38.6



#61  
 Bromoform  
 Concen: 4.684 ug/L  
 RT: 12.01 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

Tgt Ion: 173 Resp: 33270  
 Ion Ratio Lower Upper  
 173 100  
 175 48.1 36.9 55.3  
 254 7.4 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.791 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Instrument :

MSVOA\_R

ClientSampled :

VICV24

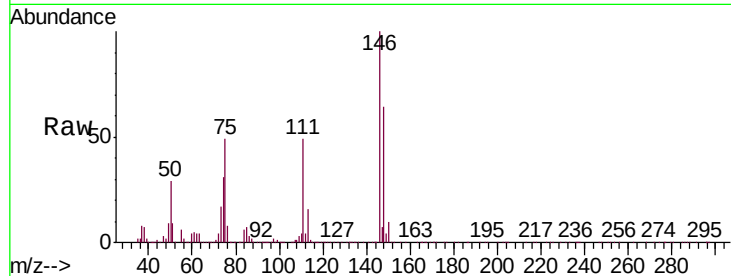
Tgt Ion:146 Resp: 337451

Ion Ratio Lower Upper

146 100

111 49.1 36.6 68.0

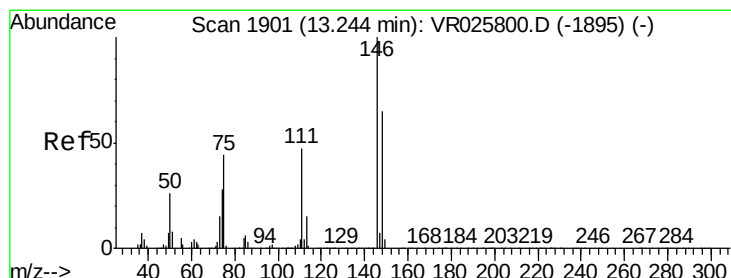
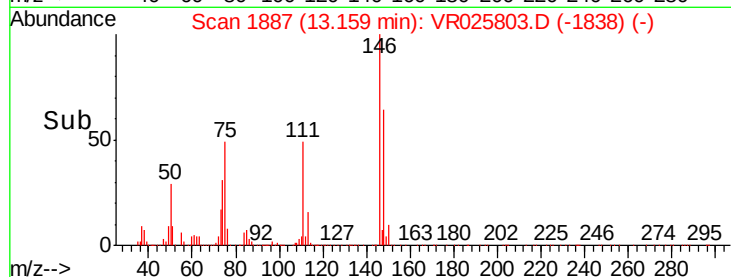
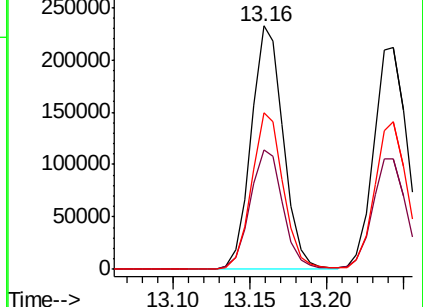
148 64.4 41.9 77.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.751 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

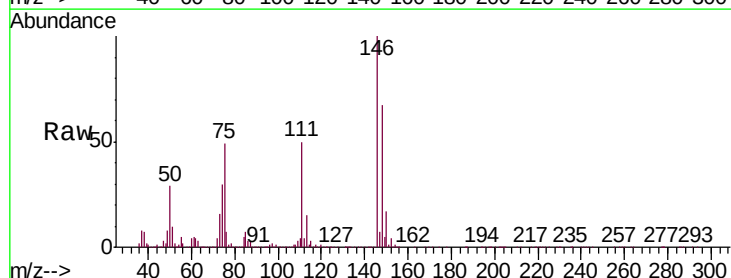
Tgt Ion:146 Resp: 322957

Ion Ratio Lower Upper

146 100

111 50.0 32.9 61.1

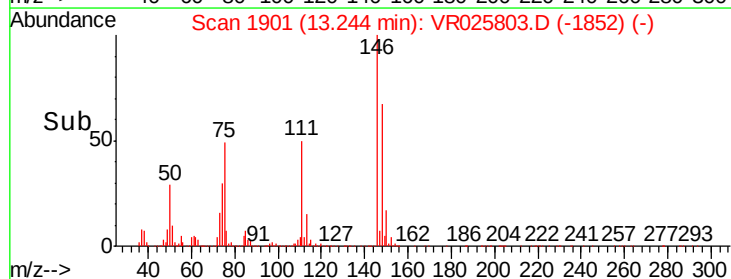
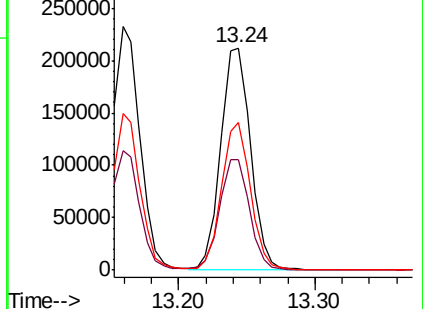
148 66.8 45.5 84.5

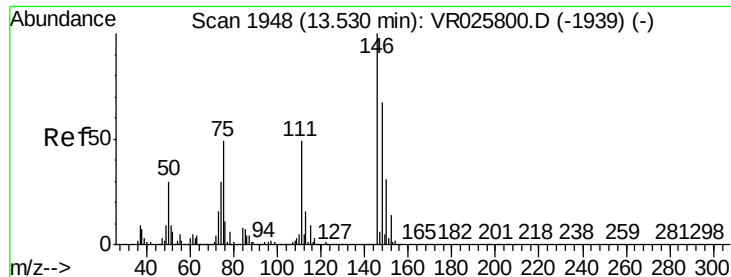


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

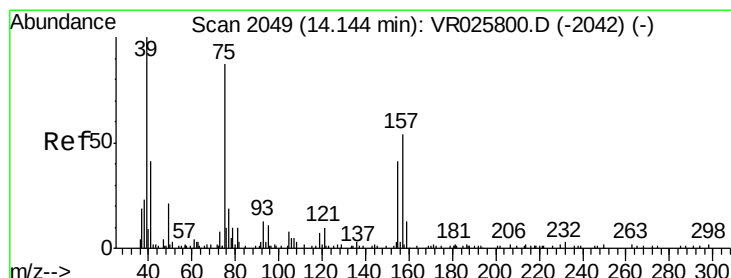
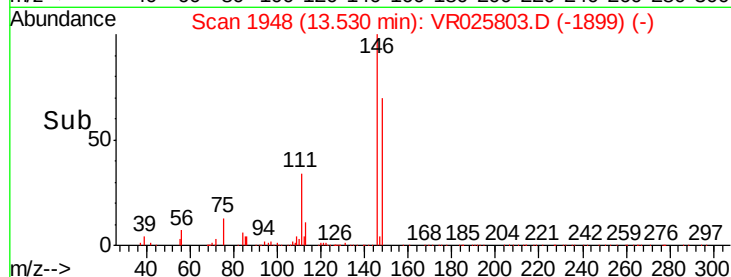
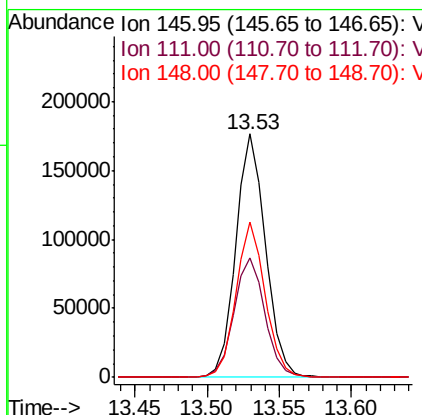
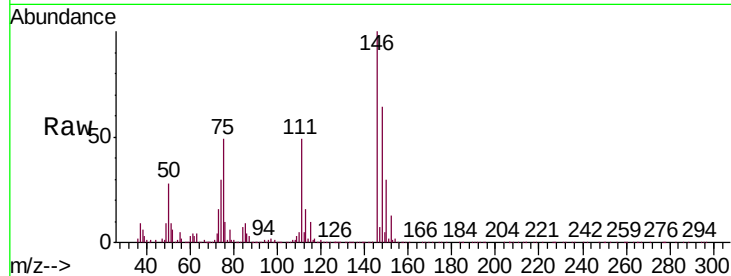




#65  
 1,2-Dichlorobenzene  
 Concen: 4.699 ug/L  
 RT: 13.53 min Scan# 1948  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

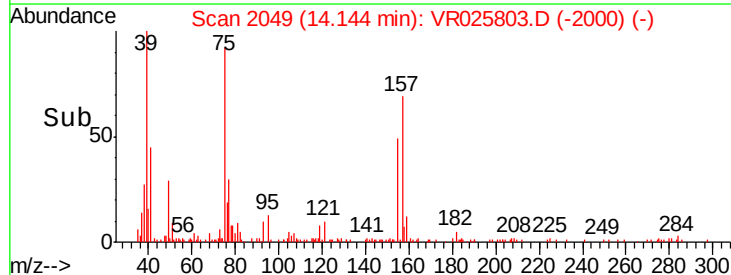
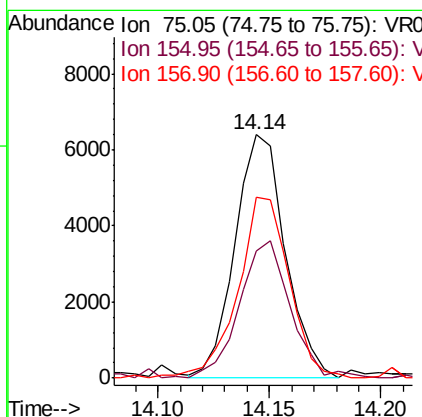
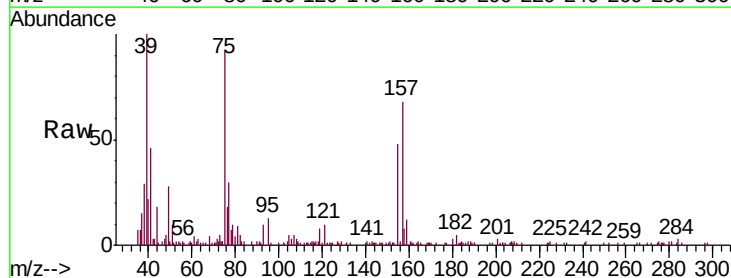
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VICV24

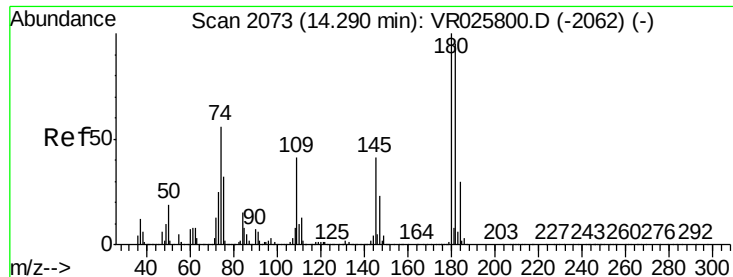
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 48.8  | 39.4  | 59.0  |
| 148     | 63.6  | 53.5  | 80.3  |



#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 4.101 ug/L  
 RT: 14.14 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 52.1  | 37.8  | 56.6  |
| 157     | 74.4  | 49.7  | 74.5  |

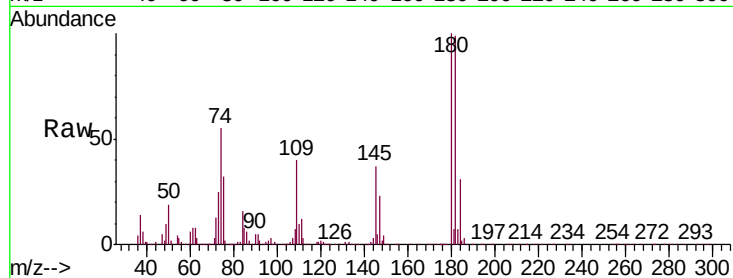




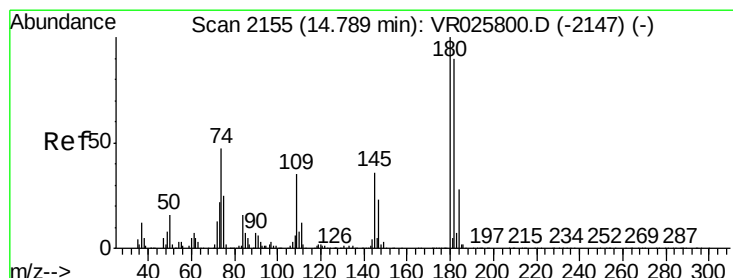
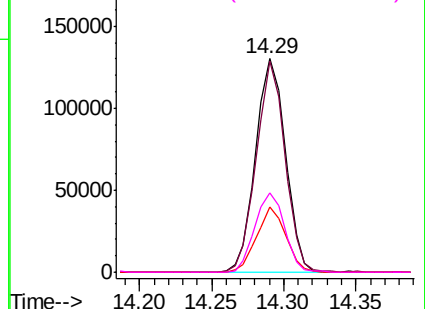
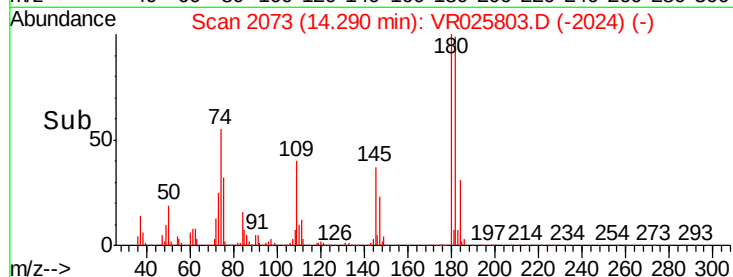
#67  
 1,3,5-Trichlorobenzene  
 Concen: 4.676 ug/L  
 RT: 14.29 min Scan# 2073  
 Delta R.T. 0.00 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VICV24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 185809 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.1  | 77.2  | 115.8  |
| 184      | 30.3  | 24.5  | 36.7   |
| 145      | 37.1  | 31.1  | 46.7   |

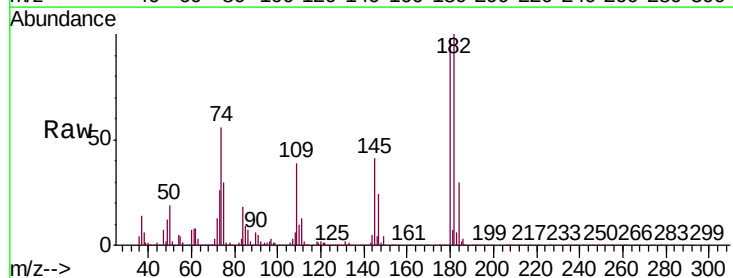


Abundance Ion 180.00 (179.70 to 180.70): V  
 200000 Ion 182.00 (181.70 to 182.70): V  
 150000 Ion 184.00 (183.70 to 184.70): V  
 100000 Ion 145.00 (144.70 to 145.70): V  
 50000  
 0

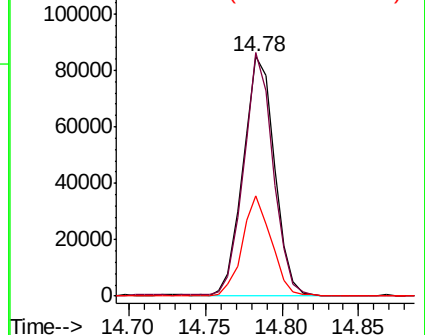
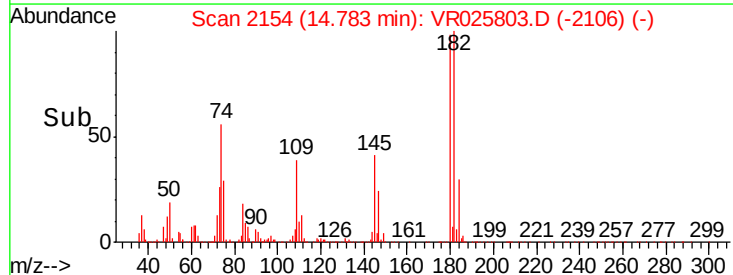


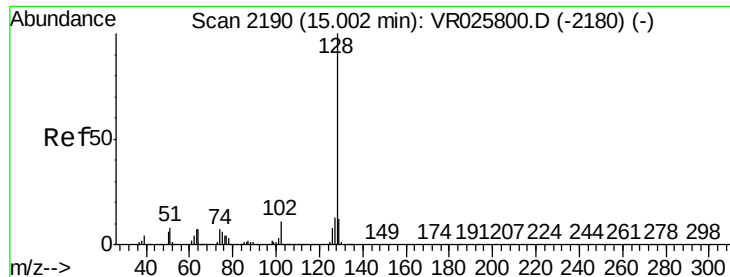
#68  
 1,2,4-trichlorobenzene  
 Concen: 4.756 ug/L  
 RT: 14.78 min Scan# 2154  
 Delta R.T. -0.01 min  
 Lab File: VR025803.D  
 Acq: 21 Sep 2018 16:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 120237 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.7  | 75.2  | 112.8  |
| 145      | 38.7  | 30.5  | 45.7   |



Abundance Ion 179.90 (179.60 to 180.60): V  
 120000 Ion 182.00 (181.70 to 182.70): V  
 100000 Ion 144.95 (144.65 to 145.65): V  
 80000  
 60000  
 40000  
 20000  
 0





#69

Naphthalene

Concen: 4.841 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

Instrument :

MSVOA\_R

ClientSampleId :

VICV24

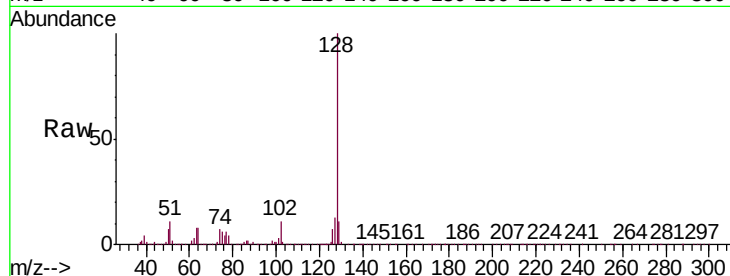
Tgt Ion:128 Resp: 178104

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

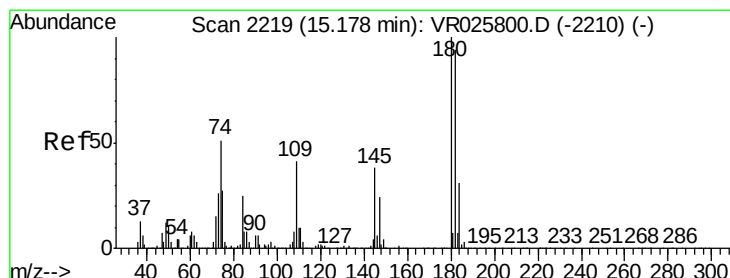
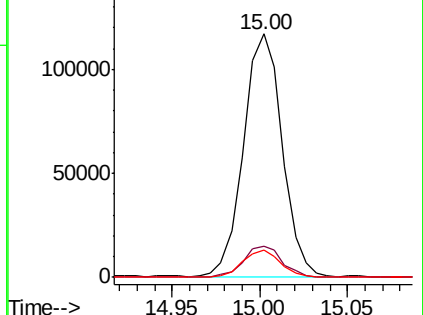
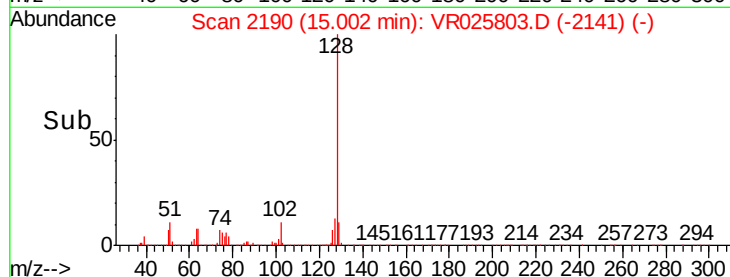
129 10.8 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.652 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025803.D

Acq: 21 Sep 2018 16:21

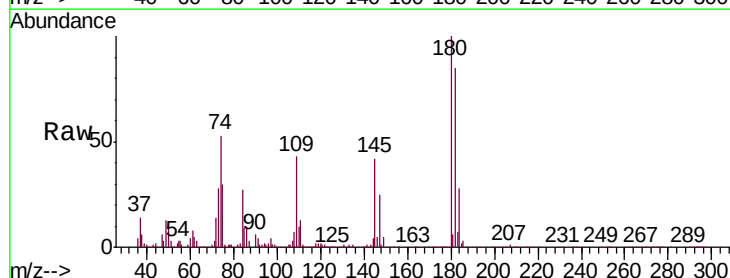
Tgt Ion:180 Resp: 83544

Ion Ratio Lower Upper

180 100

182 94.3 74.7 112.1

145 41.2 31.3 46.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

