

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\  
 Data File : VX015930.D  
 Acq On : 24 Apr 2020 13:22  
 Operator : JC/SP  
 Sample : MB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MB

Quant Time: Apr 24 13:51:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042420W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 24 13:17:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 138786   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 262467   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 255374   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 122643   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.04   | 65  | 100827   | 51.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.90% |      |
| 35) Dibromofluoromethane  | 5.47   | 113 | 77220    | 53.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.88% |      |
| 50) Toluene-d8            | 8.70   | 98  | 329304   | 54.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.68% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 136580   | 55.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.12% |      |

## Target Compounds

|                               |      |     |      |       | Qvalue |    |
|-------------------------------|------|-----|------|-------|--------|----|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 769  | 0.504 | ug/l   | 92 |
| 3) Chloromethane              | 1.31 | 50  | 1129 | 0.718 | ug/l   | 91 |
| 4) Vinyl Chloride             | 1.39 | 62  | 1029 | 0.511 | ug/l   | 95 |
| 5) Bromomethane               | 1.64 | 94  | 1072 | 1.477 | ug/l   | 95 |
| 6) Chloroethane               | 1.72 | 64  | 511  | 0.422 | ug/l   | 90 |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 1169 | 0.496 | ug/l   | 87 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 994  | 0.663 | ug/l   | 91 |
| 10) Methyl Iodide             | 2.50 | 142 | 1438 | 5.565 | ug/l   | 97 |
| 11) Tert butyl alcohol        | 3.01 | 59  | 698  | 1.658 | ug/l # | 72 |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 1555 | 0.990 | ug/l # | 77 |
| 13) Acrolein                  | 2.28 | 56  | 934  | 3.574 | ug/l # | 62 |
| 14) Allyl chloride            | 2.71 | 41  | 1374 | 0.495 | ug/l # | 87 |
| 15) Acrylonitrile             | 3.12 | 53  | 1733 | 1.883 | ug/l   | 98 |
| 16) Acetone                   | 2.42 | 43  | 1540 | 2.095 | ug/l   | 98 |
| 17) Carbon Disulfide          | 2.55 | 76  | 9765 | 1.967 | ug/l   | 99 |
| 18) Methyl Acetate            | 2.75 | 43  | 966  | 0.435 | ug/l   | 98 |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 1355 | 0.241 | ug/l   | 94 |
| 20) Methylene Chloride        | 2.84 | 84  | 1122 | 0.617 | ug/l # | 93 |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 1904 | 1.085 | ug/l   | 95 |
| 22) Diisopropyl ether         | 3.83 | 45  | 1631 | 0.297 | ug/l # | 83 |
| 23) Vinyl Acetate             | 3.79 | 43  | 5411 | 1.208 | ug/l   | 96 |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 1204 | 0.384 | ug/l # | 82 |
| 25) 2-Butanone                | 4.65 | 43  | 2056 | 1.718 | ug/l   | 97 |
| 26) 2,2-Dichloropropane       | 4.55 | 77  | 1019 | 0.368 | ug/l   | 94 |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 1453 | 0.730 | ug/l   | 75 |
| 28) Bromochloromethane        | 4.98 | 49  | 581  | 0.419 | ug/l # | 74 |
| 29) Tetrahydrofuran           | 5.10 | 42  | 1563 | 1.982 | ug/l   | 87 |
| 30) Chloroform                | 5.18 | 83  | 1110 | 0.358 | ug/l   | 94 |
| 31) Cyclohexane               | 5.55 | 56  | 2003 | 0.682 | ug/l   | 93 |
| 32) 1,1,1-Trichloroethane     | 5.47 | 97  | 1051 | 0.377 | ug/l # | 50 |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 1888 | 0.754 | ug/l   | 98 |
| 37) Ethyl Acetate             | 4.80 | 43  | 548  | 0.218 | ug/l # | 67 |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 985  | 0.430 | ug/l # | 91 |
| 39) Methylcyclohexane         | 7.44 | 83  | 2523 | 0.831 | ug/l   | 95 |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 40) Benzene                    | 6.12  | 78   | 3006     | 0.410  | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.01  | 41   | 618      | 0.434  | ug/l # | 70       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 1180     | 0.460  | ug/l   | 83       |
| 43) Isopropyl Acetate          | 6.42  | 43   | 1028     | 0.249  | ug/l # | 84       |
| 44) Trichloroethene            | 7.20  | 130  | 1411     | 0.625  | ug/l   | 80       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 567      | 0.302  | ug/l   | 92       |
| 46) Dibromomethane             | 7.64  | 93   | 608      | 0.485  | ug/l   | 96       |
| 47) Bromodichloromethane       | 7.87  | 83   | 711      | 0.279  | ug/l # | 88       |
| 48) Methyl methacrylate        | 7.75  | 41   | 573      | 0.282  | ug/l # | 78       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 319      | 7.066  | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 2877     | 1.189  | ug/l   | 98       |
| 52) Toluene                    | 8.77  | 92   | 2068     | 0.445  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 1534     | 0.499  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 1253     | 0.390  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 521      | 0.281  | ug/l # | 69       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 815      | 0.272  | ug/l # | 72       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 964      | 0.303  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 1856     | 1.255  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 2412     | 1.313  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 485      | 0.263  | ug/l   | 90       |
| 61) 1,2-Dibromoethane          | 9.66  | 107  | 692      | 0.360  | ug/l   | 90       |
| 64) Tetrachloroethene          | 9.32  | 164  | 1586     | 0.624  | ug/l   | 90       |
| 65) Chlorobenzene              | 10.12 | 112  | 2571     | 0.507  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 502      | 0.279  | ug/l # | 54       |
| 67) Ethyl Benzene              | 10.24 | 91   | 5144     | 0.550  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.34 | 106  | 3700     | 1.081  | ug/l   | 95       |
| 69) o-Xylene                   | 10.68 | 106  | 1530     | 0.458  | ug/l   | 90       |
| 70) Stvrene                    | 10.70 | 104  | 2904     | 0.504  | ug/l   | 97       |
| 71) Bromoform                  | 10.84 | 173  | 281      | 2.589  | ug/l # | 78       |
| 73) Isopropylbenzene           | 11.01 | 105  | 5627     | 0.617  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 1417     | 0.358  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 560      | 0.272  | ug/l # | 87       |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75   | 68863    | 26.176 | ug/l # | 34       |
| 77) Bromobenzene               | 11.24 | 156  | 1107     | 0.535  | ug/l   | 94       |
| 78) n-propylbenzene            | 11.35 | 91   | 8184     | 0.760  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.41 | 91   | 4008     | 0.632  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 5141     | 0.663  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75   | 68863    | 58.964 | ug/l # | 14       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 5597     | 0.739  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 4875     | 0.748  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 5583     | 0.703  | ug/l   | 93       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 7856     | 0.881  | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 7069     | 0.869  | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 3464     | 0.910  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.01 | 146  | 3464     | 0.884  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.37 | 91   | 9574     | 1.249  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.58 | 117  | 984      | 0.775  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 2918     | 0.790  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 407      | 0.621  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 3972     | 1.668  | ug/l   | 95       |

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Quant Title : SW846 8260  
QLast Update : Fri Apr 24 13:17:59 2020  
Response via : Initial Calibration

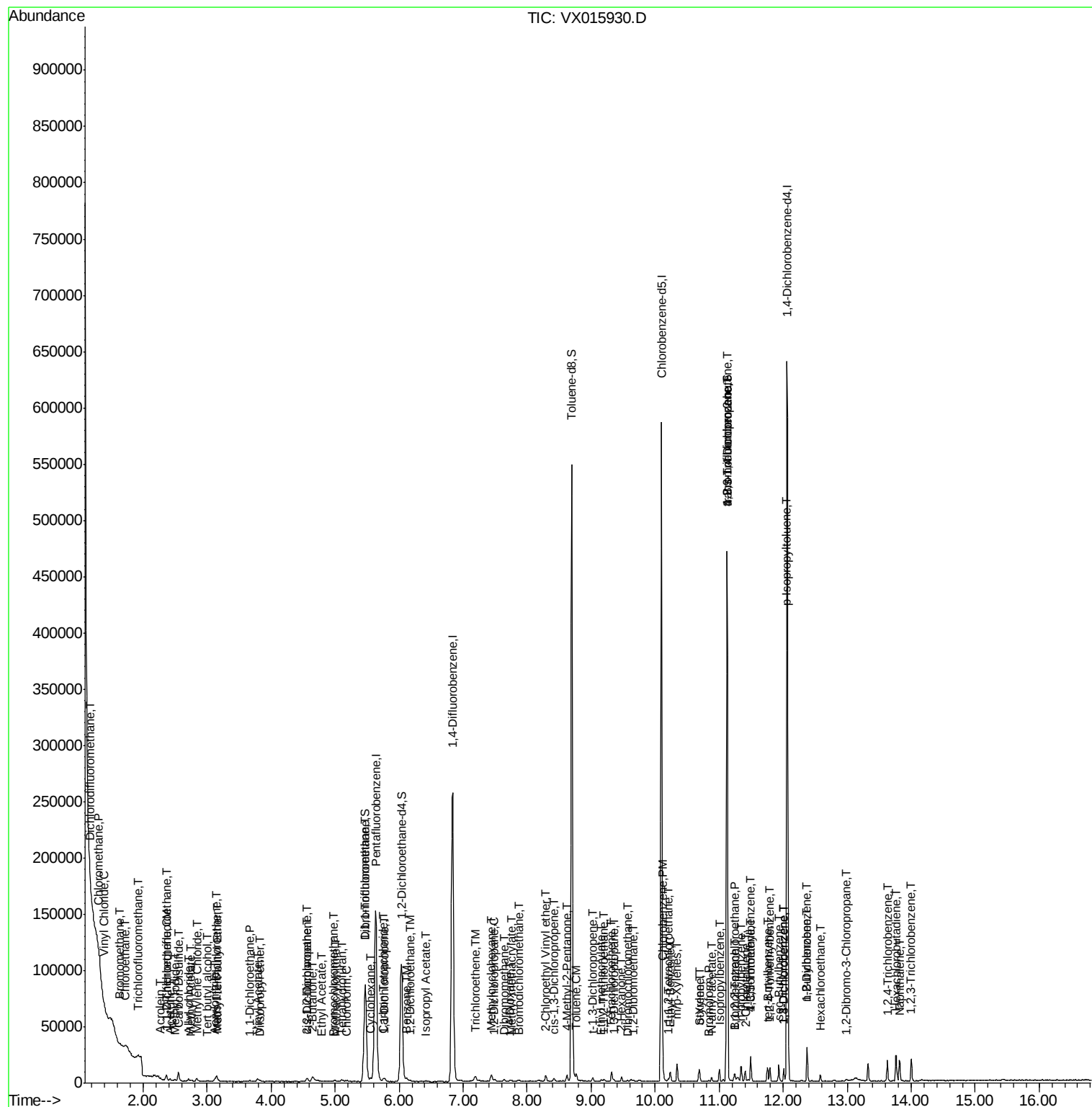
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 94) Hexachlorobutadiene    | 13.76 | 225  | 2822     | 3.343 | ug/l  | 96       |
| 95) Naphthalene            | 13.82 | 128  | 12325    | 1.423 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 4474     | 1.986 | ug/l  | 92       |

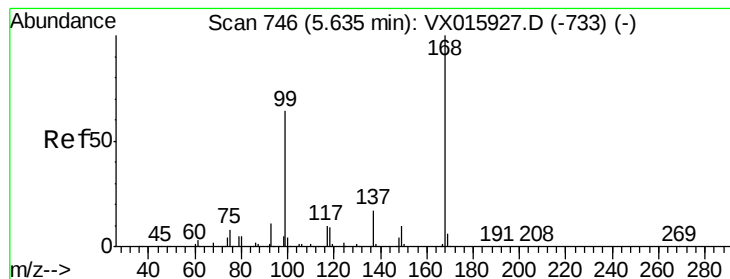
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

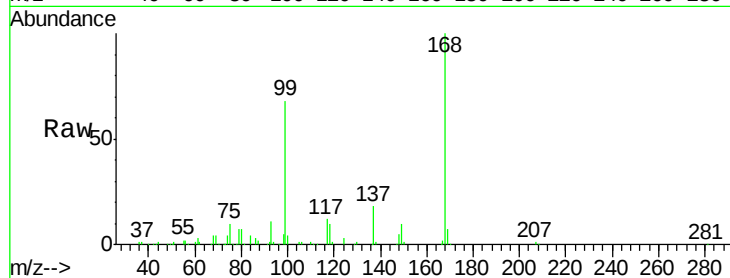
MB

Tot Ion:168 Resp: 138786

Ion Ratio Lower Upper

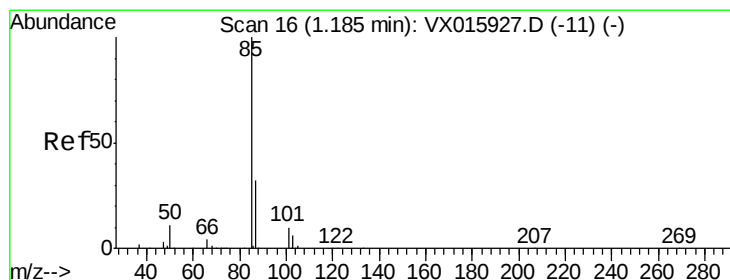
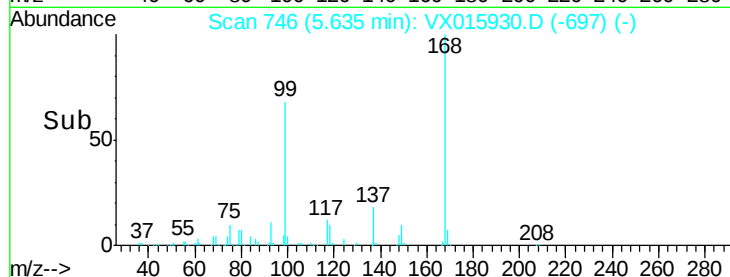
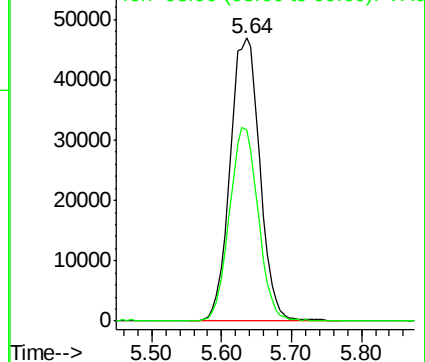
168 100

99 67.8 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.504 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015930.D

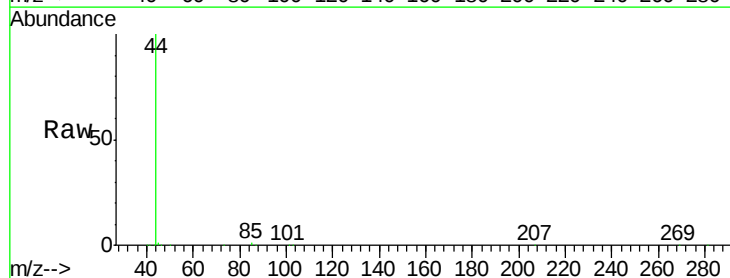
Acq: 24 Apr 2020 13:22

Tgt Ion: 85 Resp: 769

Ion Ratio Lower Upper

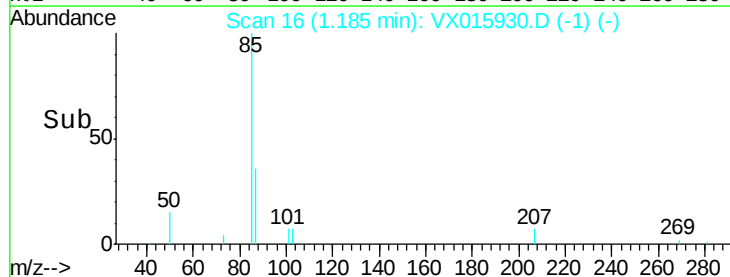
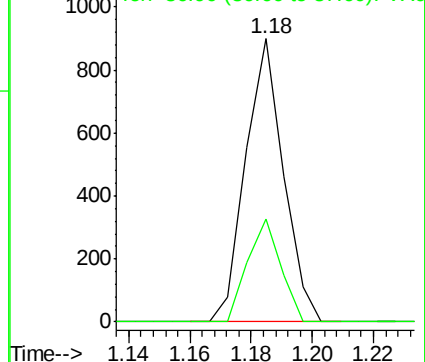
85 100

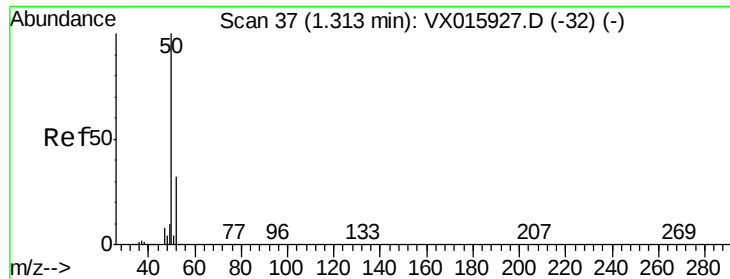
87 36.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.718 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

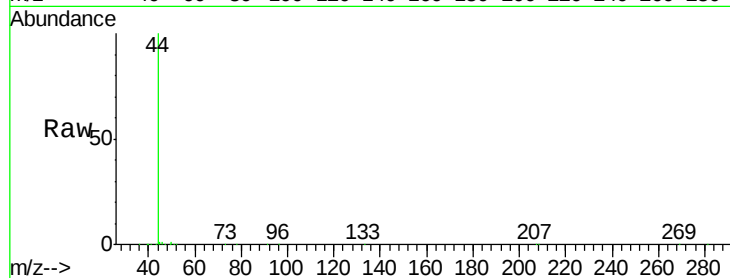
MB

Tot Ion: 50 Resp: 1129

Ion Ratio Lower Upper

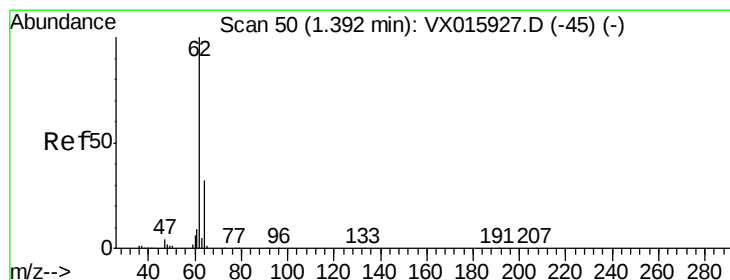
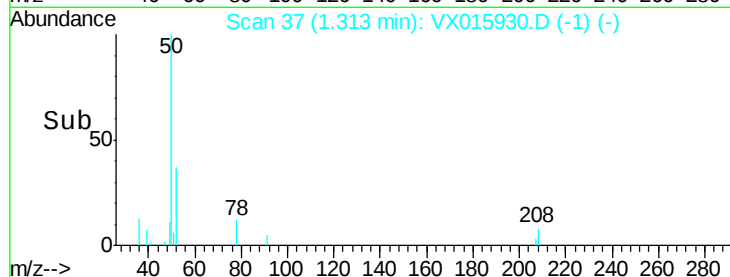
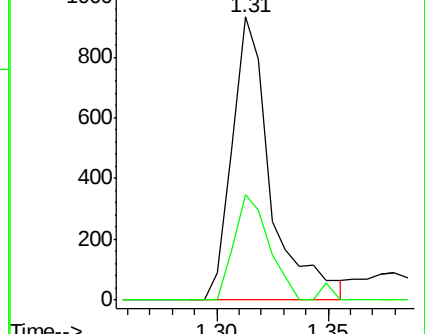
50 100

52 37.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.511 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015930.D

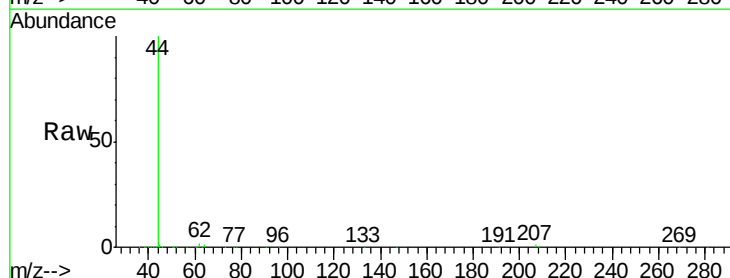
Acq: 24 Apr 2020 13:22

Tgt Ion: 62 Resp: 1029

Ion Ratio Lower Upper

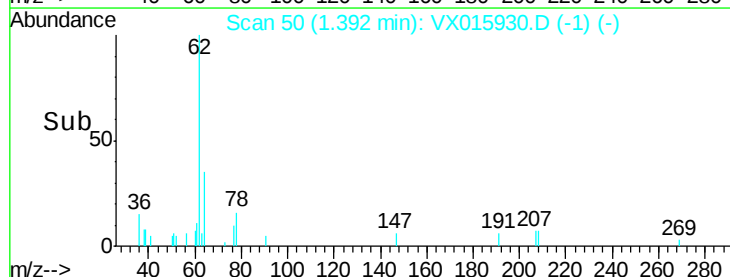
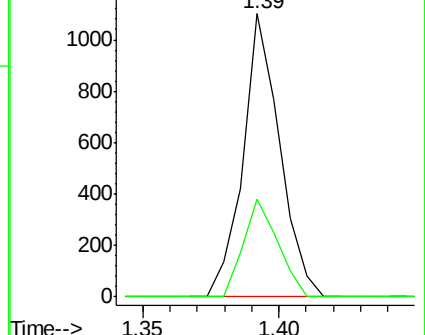
62 100

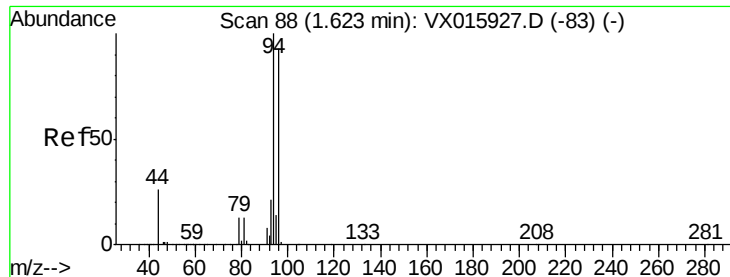
64 34.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.477 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

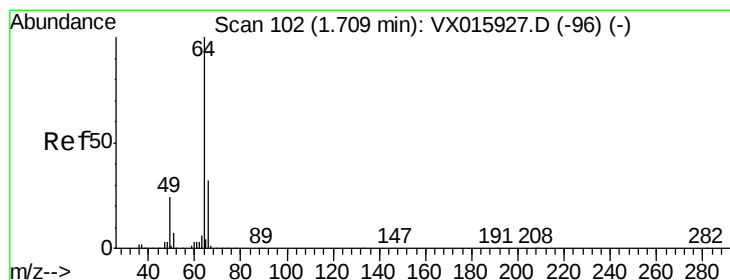
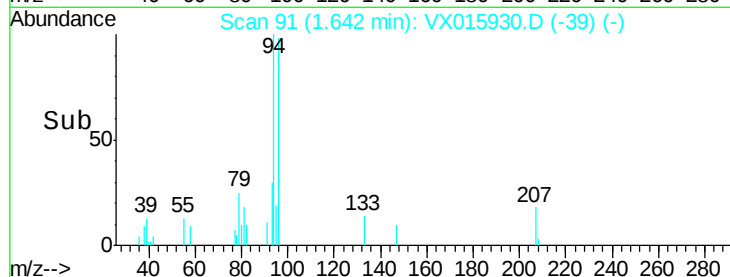
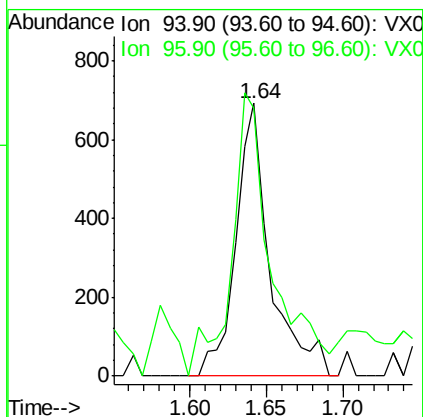
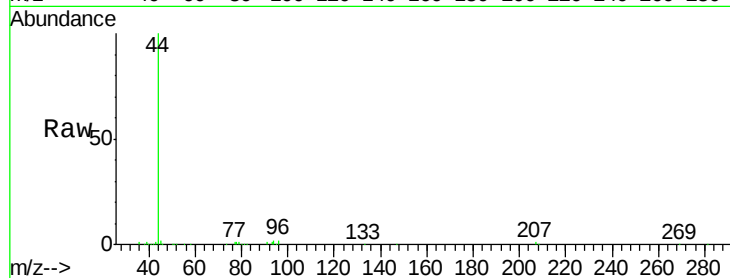
MB

Tot Ion: 94 Resp: 1072

Ion Ratio Lower Upper

94 100

96 98.0 74.8 112.2



#6

Chloroethane

Concen: 0.422 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX015930.D

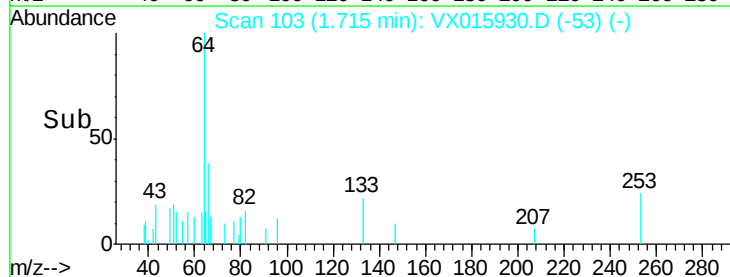
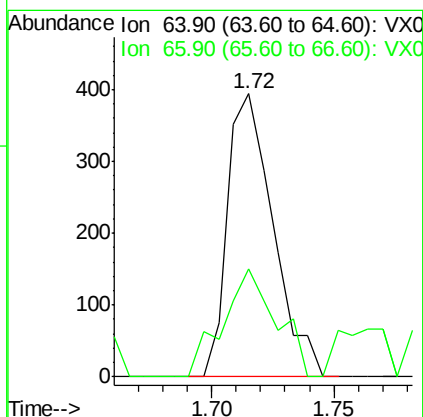
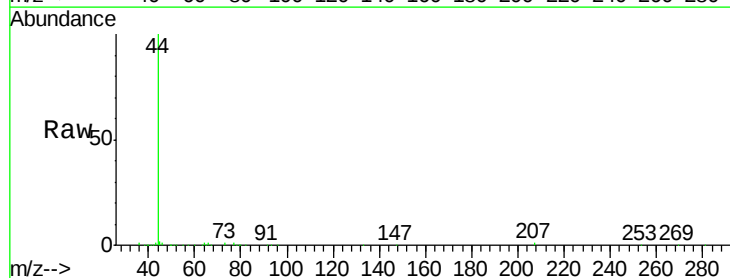
Acq: 24 Apr 2020 13:22

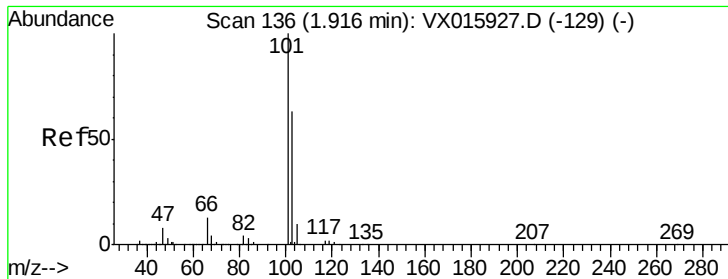
Tgt Ion: 64 Resp: 511

Ion Ratio Lower Upper

64 100

66 38.1 25.8 38.8



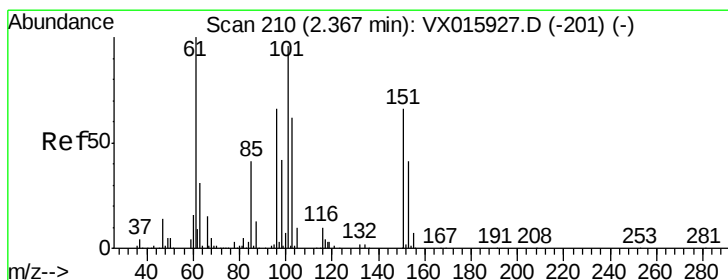
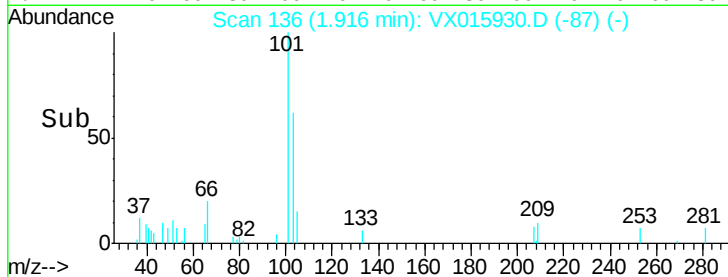
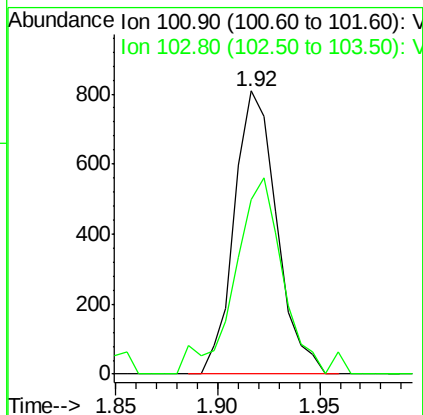
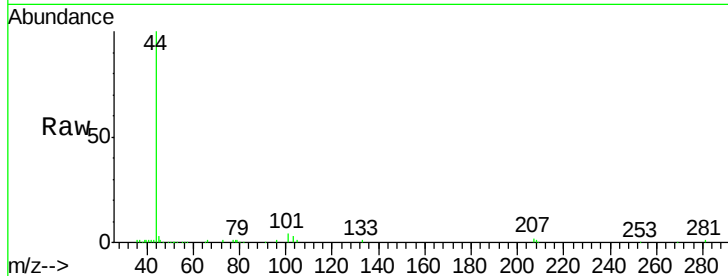


#7

Trichlorofluoromethane  
Concen: 0.496 ug/l  
RT: 1.92 min Scan# 136  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
MB

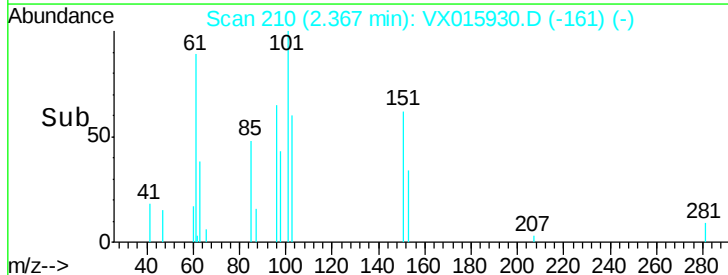
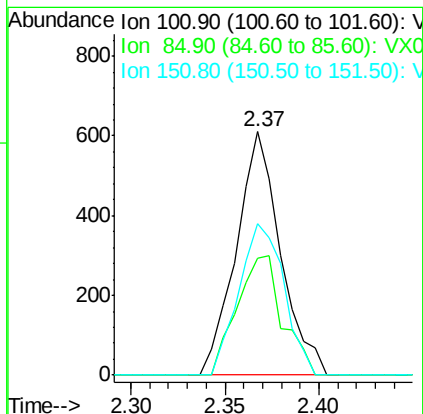
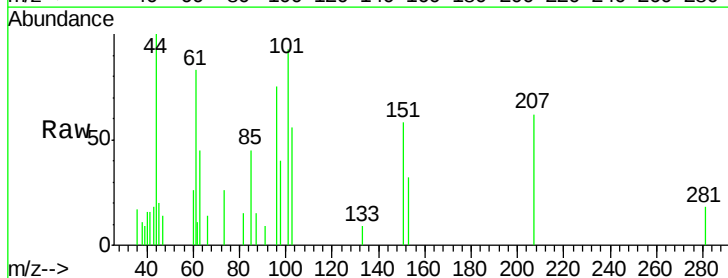
Tot Ion:101 Resp: 1169  
Ion Ratio Lower Upper  
101 100  
103 53.7 50.8 76.2

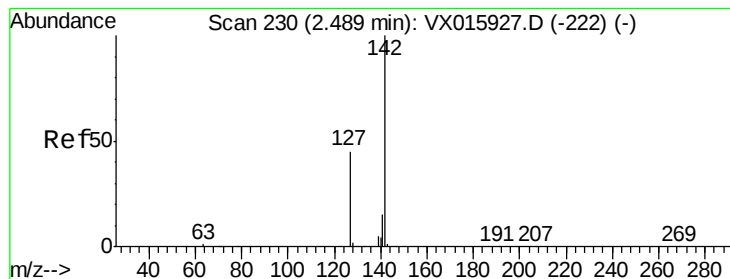


#9

1,1,2-Trichlorotrifluoroethane  
Concen: 0.663 ug/l  
RT: 2.37 min Scan# 210  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Tgt Ion:101 Resp: 994  
Ion Ratio Lower Upper  
101 100  
85 50.5 34.9 52.3  
151 63.4 55.8 83.6





#10

Methyl Iodide

Concen: 5.565 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

MB

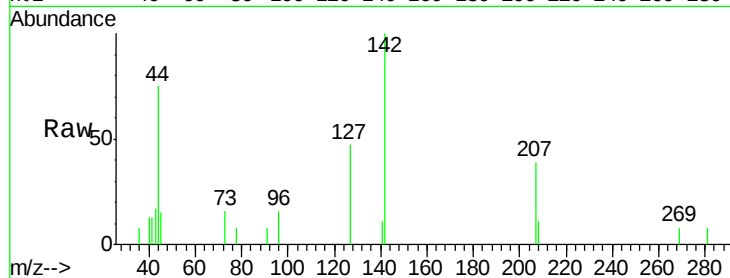
Tot Ion:142 Resp: 1438

Ion Ratio Lower Upper

142 100

127 44.1 34.4 51.6

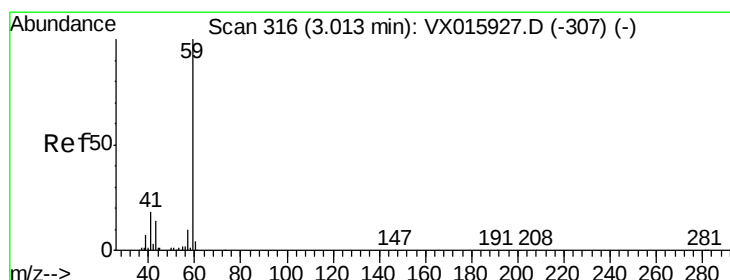
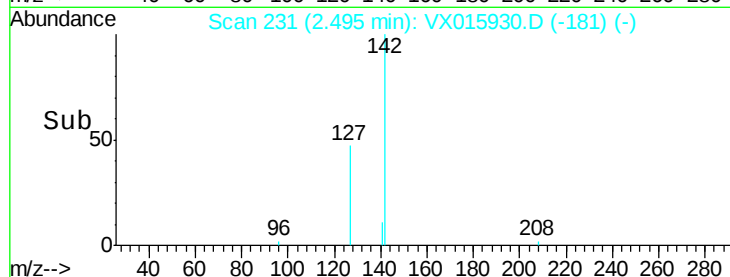
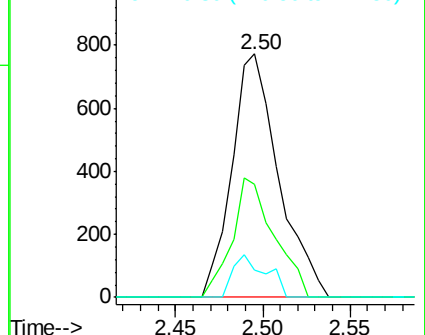
141 12.3 11.5 17.3



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: 1.658 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX015930.D

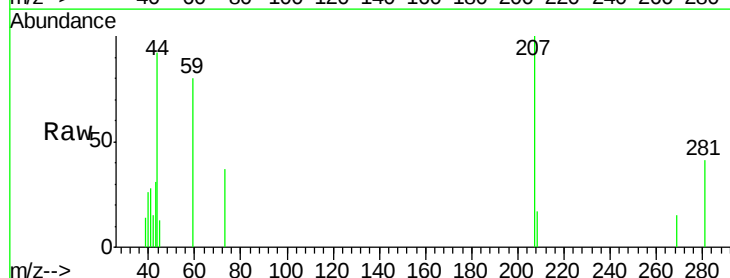
Acq: 24 Apr 2020 13:22

Tgt Ion: 59 Resp: 698

Ion Ratio Lower Upper

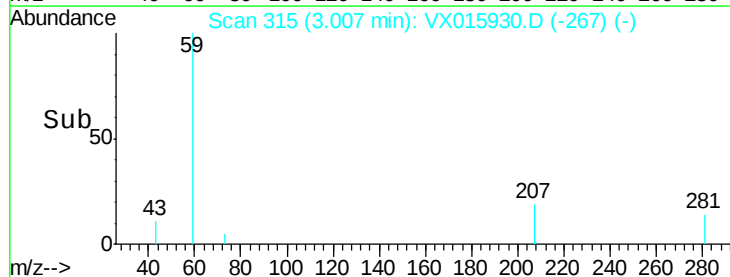
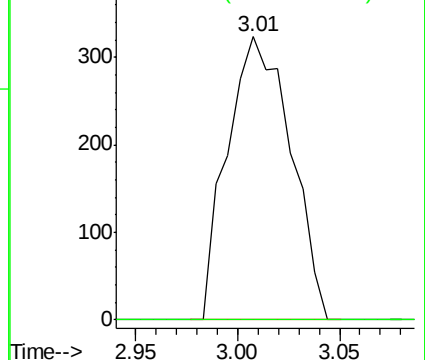
59 100

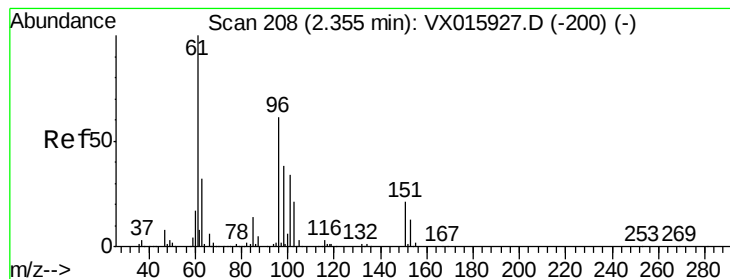
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.990 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

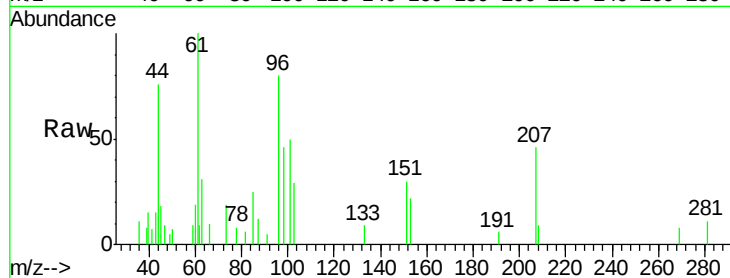
Tot Ion: 96 Resp: 1555

Ion Ratio Lower Upper

96 100

61 124.6 131.2 196.8#

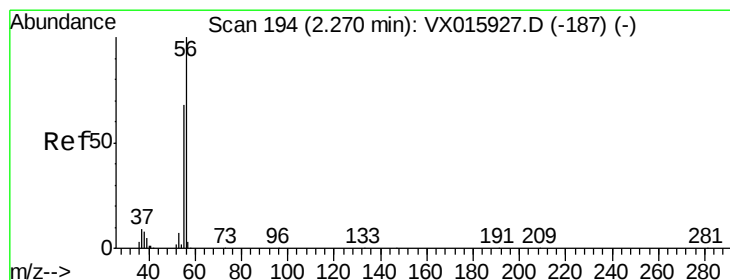
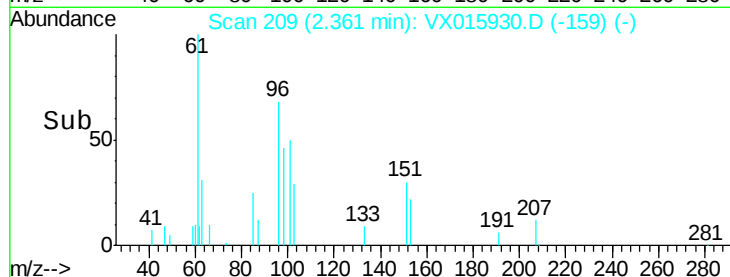
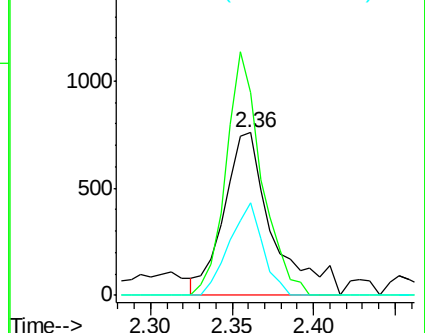
98 57.0 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 3.574 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX015930.D

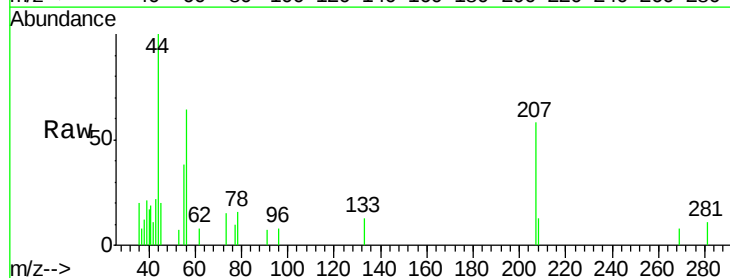
Acq: 24 Apr 2020 13:22

Tgt Ion: 56 Resp: 934

Ion Ratio Lower Upper

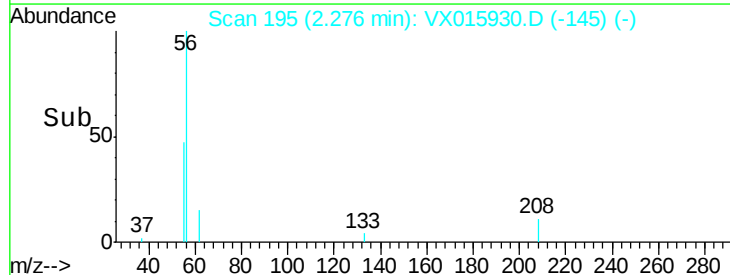
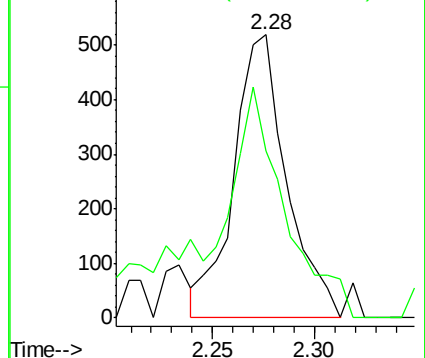
56 100

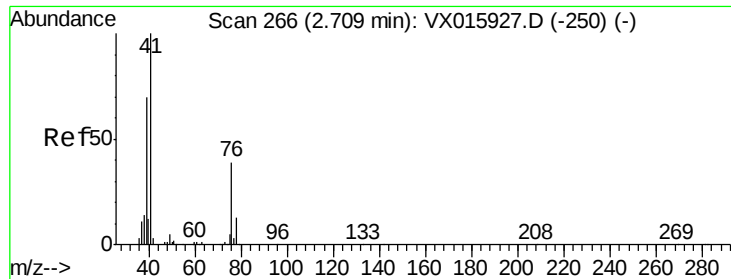
55 101.2 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

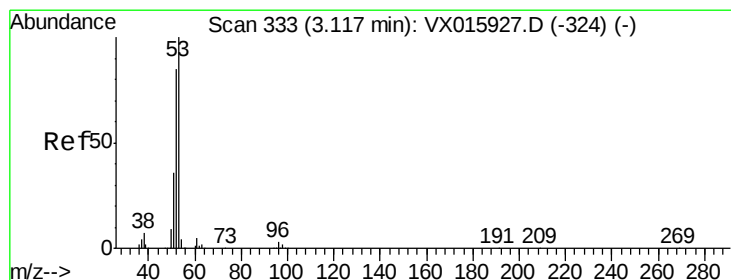
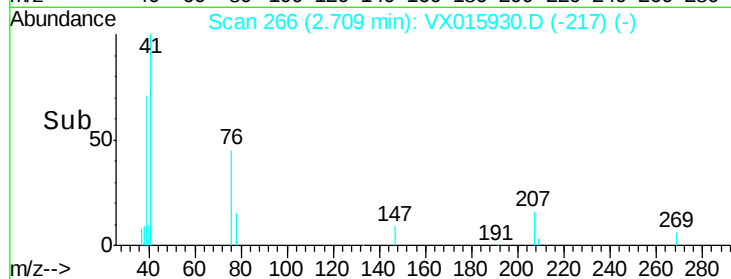
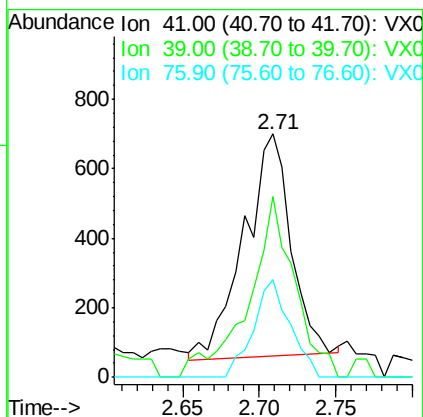
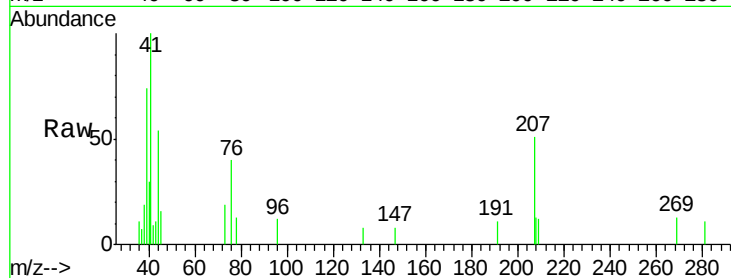




#14  
Allvl chloride  
Concen: 0.495 ug/l  
RT: 2.71 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

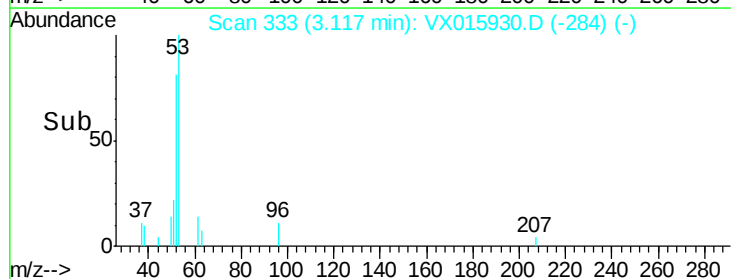
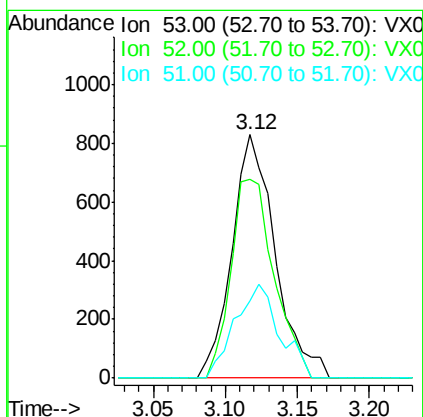
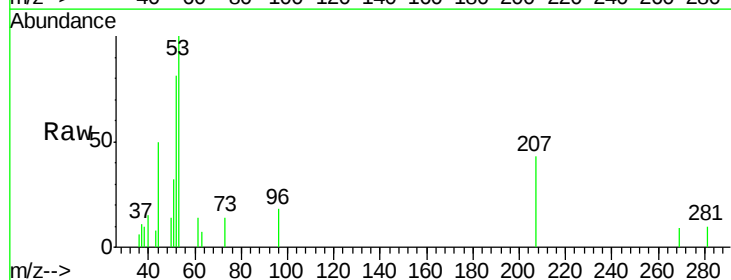
Instrument :  
MSVOA\_X  
ClientSampled :  
MB

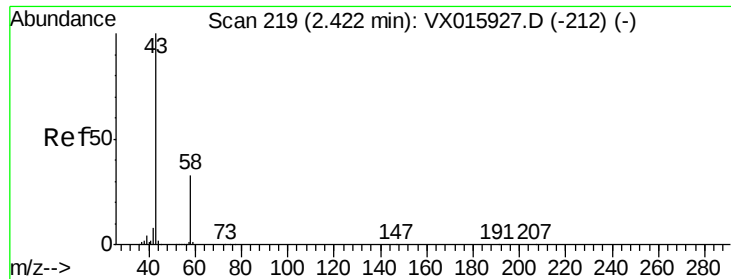
Tot Ion: 41 Resp: 1374  
Ion Ratio Lower Upper  
41 100  
39 79.2 51.6 77.4#  
76 34.3 29.3 43.9



#15  
Acrylonitrile  
Concen: 1.883 ug/l  
RT: 3.12 min Scan# 333  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Tgt Ion: 53 Resp: 1733  
Ion Ratio Lower Upper  
53 100  
52 81.9 65.5 98.3  
51 39.6 28.2 42.2





#16

Acetone

Concen: 2.095 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

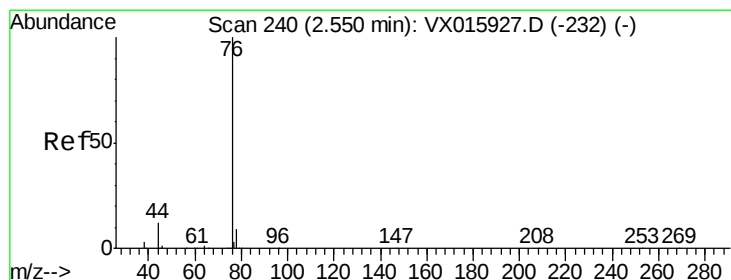
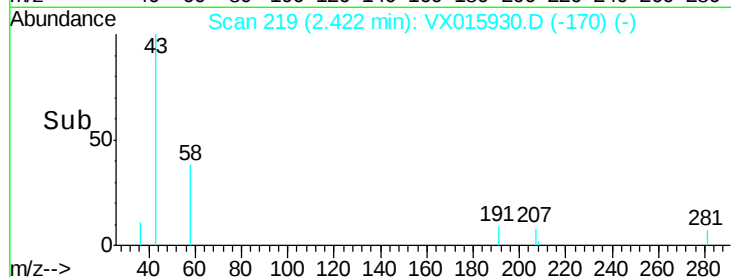
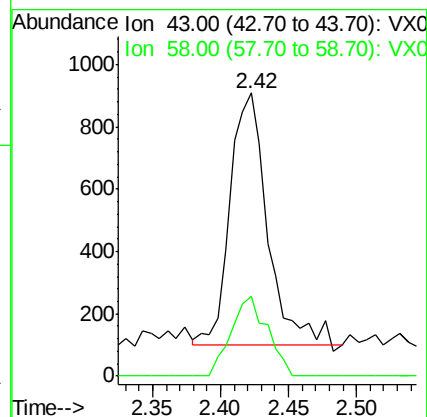
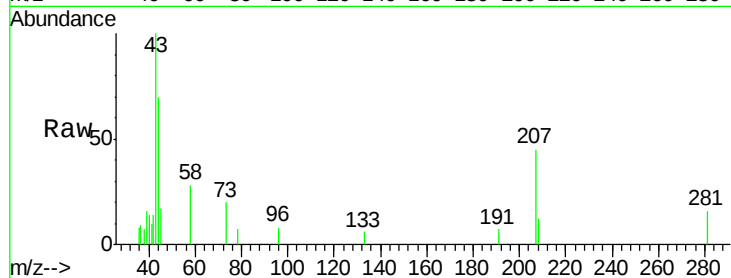
MB

Tot Ion: 43 Resp: 1540

Ion Ratio Lower Upper

43 100

58 31.6 26.4 39.6



#17

Carbon Disulfide

Concen: 1.967 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015930.D

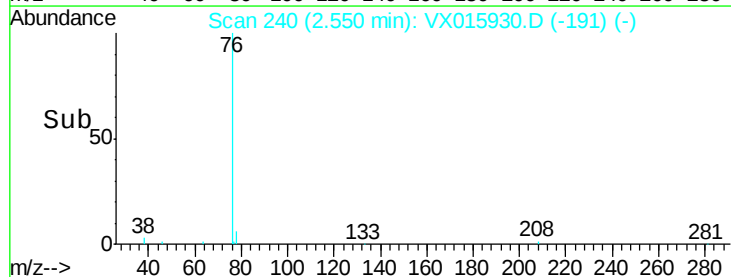
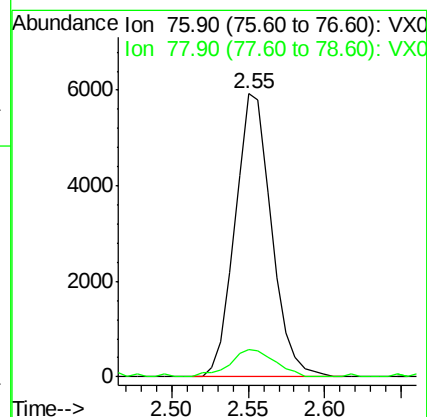
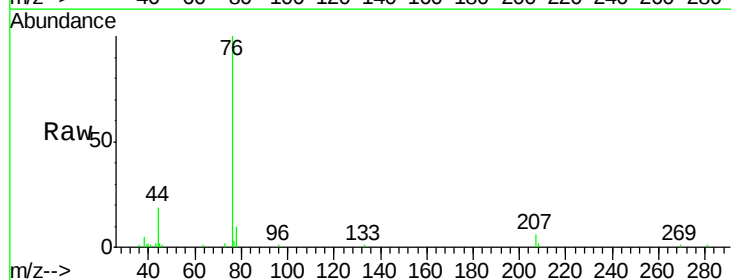
Acq: 24 Apr 2020 13:22

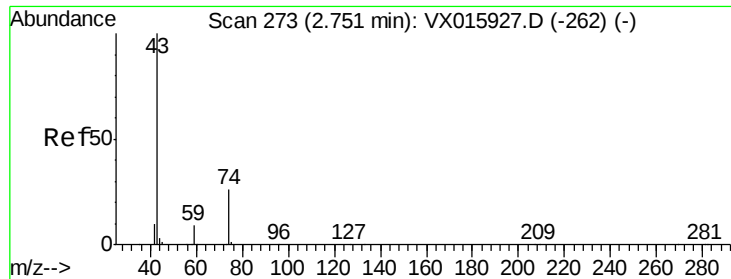
Tgt Ion: 76 Resp: 9765

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

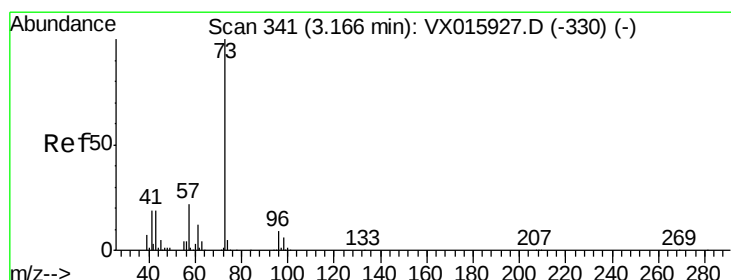
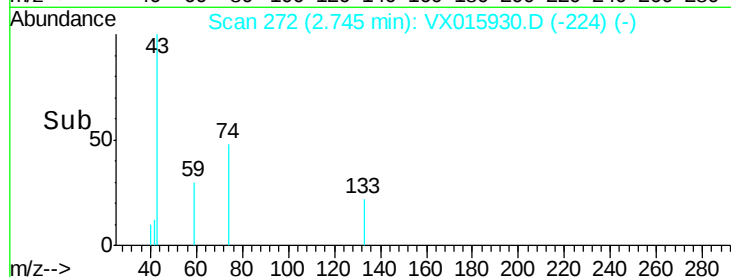
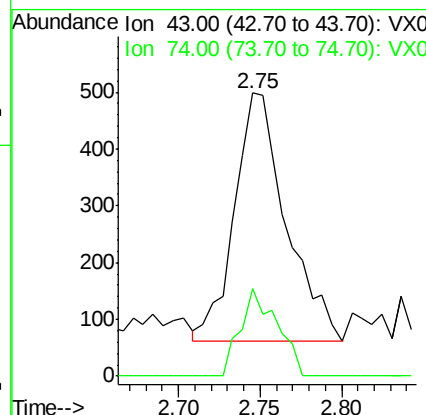
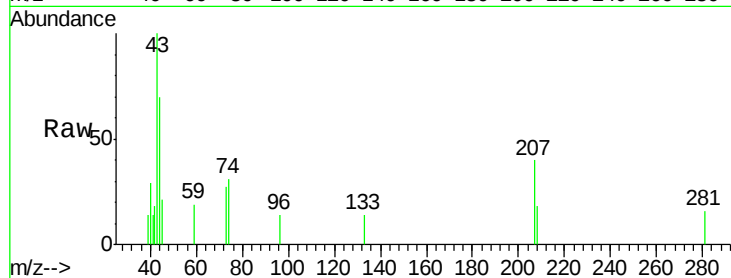




#18  
Methvl Acetate  
Concen: 0.435 ug/l  
RT: 2.75 min Scan# 272  
Delta R.T. -0.01 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

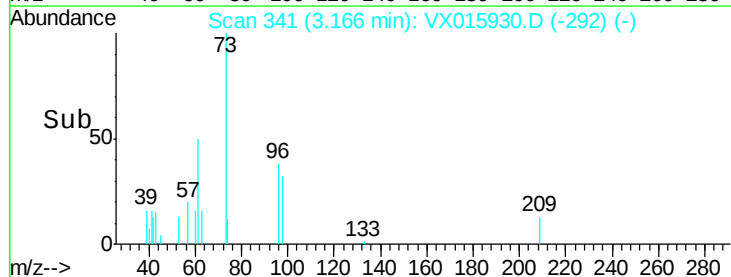
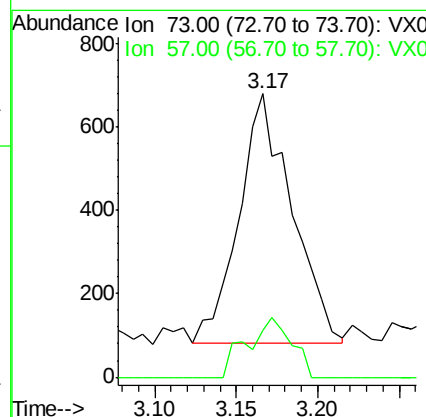
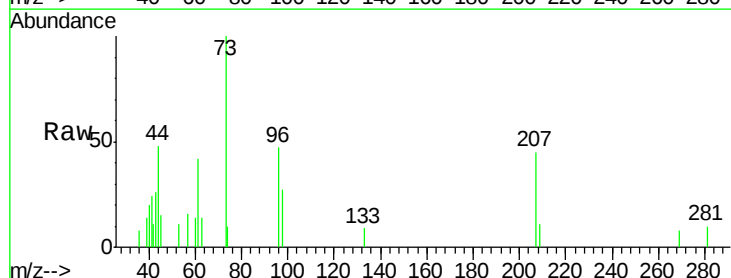
Instrument :  
MSVOA\_X  
ClientSampled :  
MB

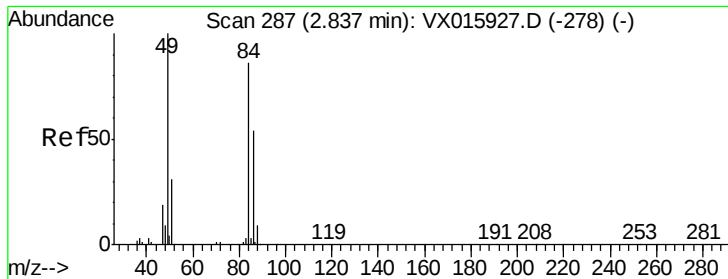
Tot Ion: 43 Resp: 966  
Ion Ratio Lower Upper  
43 100  
74 24.9 21.0 31.4



#19  
Methyl tert-butyl Ether  
Concen: 0.241 ug/l  
RT: 3.17 min Scan# 341  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Tgt Ion: 73 Resp: 1355  
Ion Ratio Lower Upper  
73 100  
57 18.7 17.3 25.9



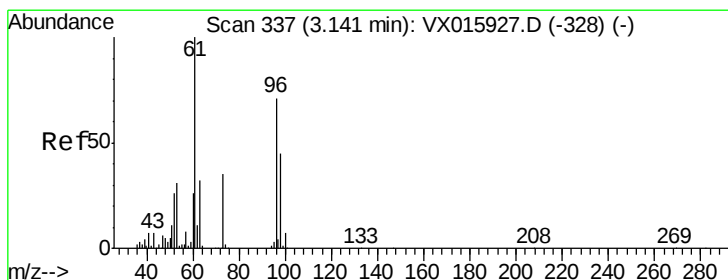
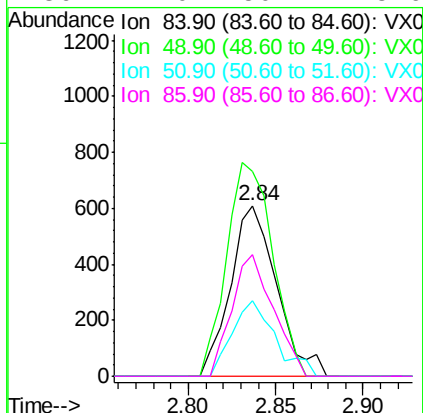
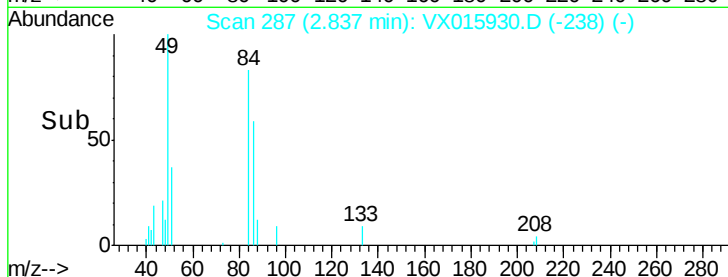
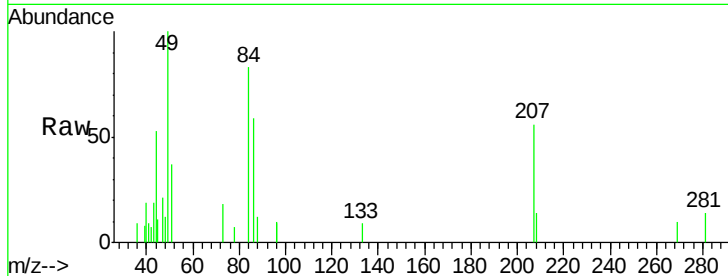


#20  
Methylene Chloride  
Concen: 0.617 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
MB

Tot Ion: 84 Resp: 1122

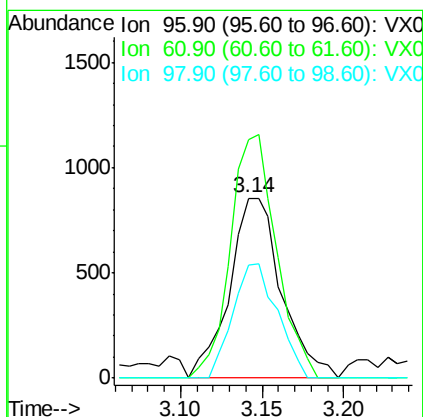
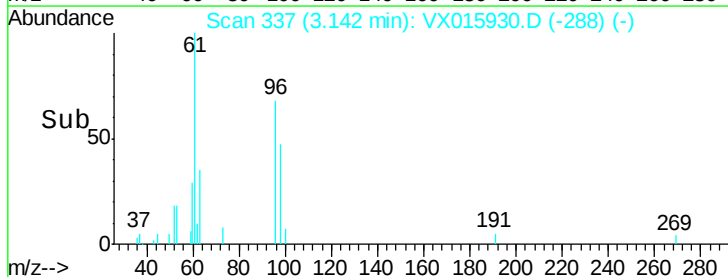
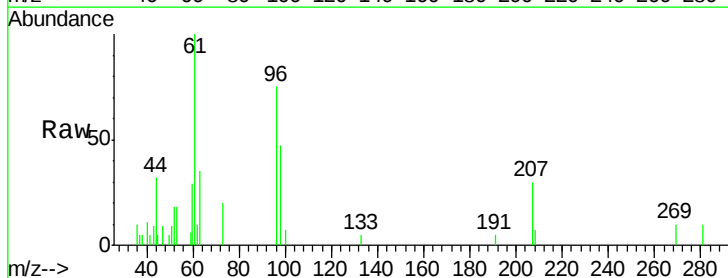
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 120.3 | 93.0  | 139.6 |
| 51  | 44.1  | 28.6  | 43.0# |
| 86  | 71.0  | 50.4  | 75.6  |

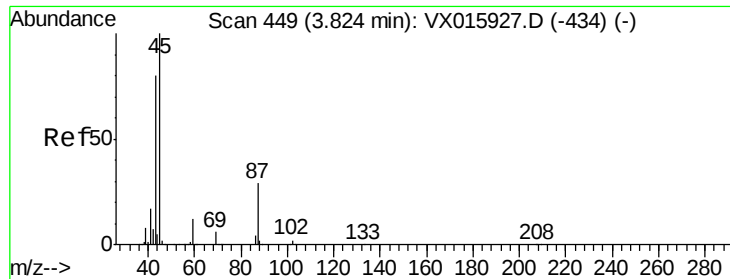


#21  
trans-1,2-Dichloroethene  
Concen: 1.085 ug/l  
RT: 3.14 min Scan# 337  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Tgt Ion: 96 Resp: 1904

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.7 | 112.7 | 169.1 |
| 98  | 62.7  | 51.0  | 76.4  |

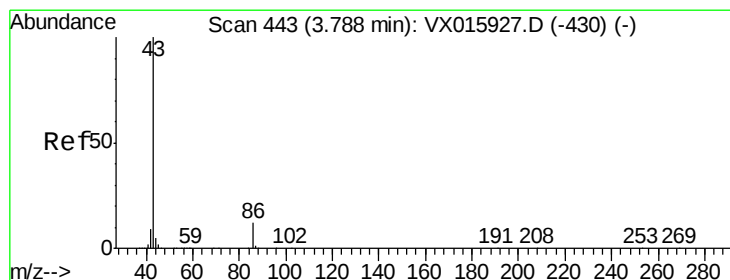
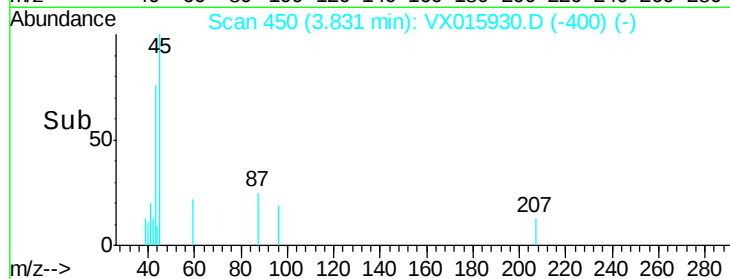
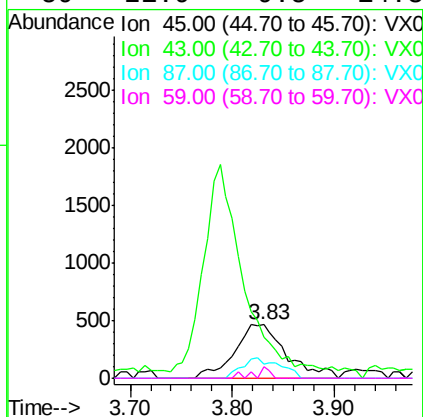
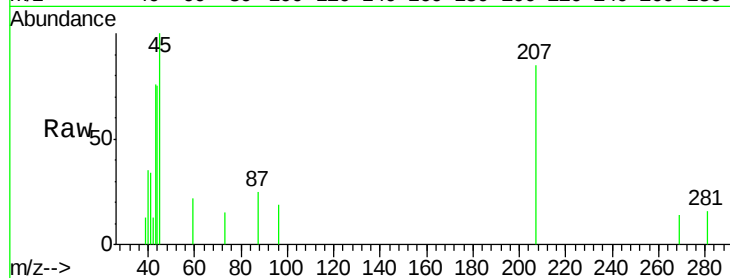




#22  
Diisopropyl ether  
Concen: 0.297 ug/l  
RT: 3.83 min Scan# 450  
Delta R.T. 0.01 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

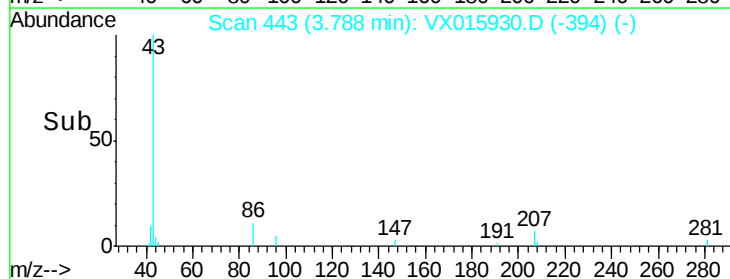
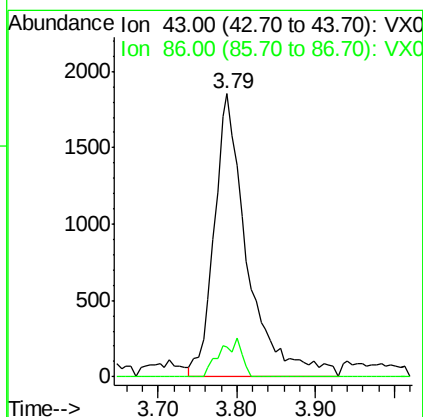
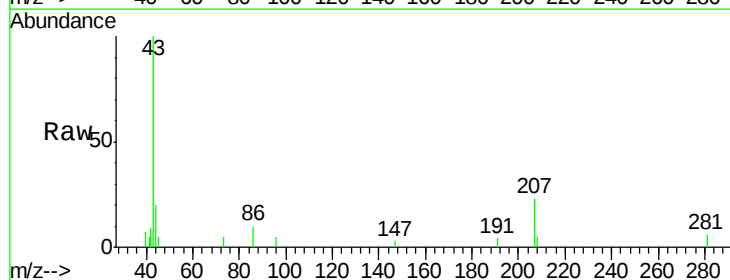
Instrument :  
MSVOA\_X  
ClientSampled :  
MB

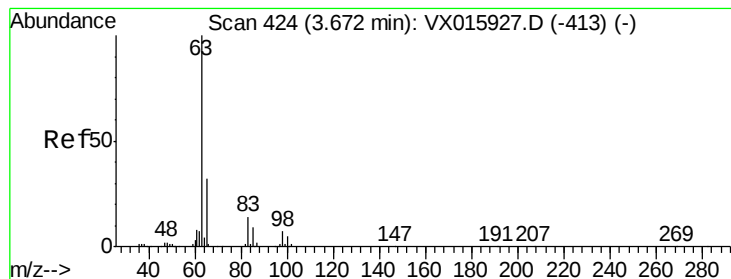
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 45    | Resp: | 1631  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 61.9  | 63.8  | 95.6# |
| 87       | 25.2  | 22.9  | 34.3  |
| 59       | 21.9  | 9.5   | 14.3# |



#23  
Vinyl Acetate  
Concen: 1.208 ug/l  
RT: 3.79 min Scan# 443  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5411  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 10.4  | 9.4   | 14.2  |





#24

1,1-Dichloroethane

Concen: 0.384 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

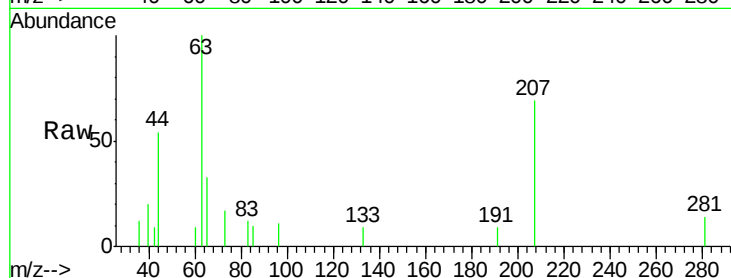
Tot Ion: 63 Resp: 1204

Ion Ratio Lower Upper

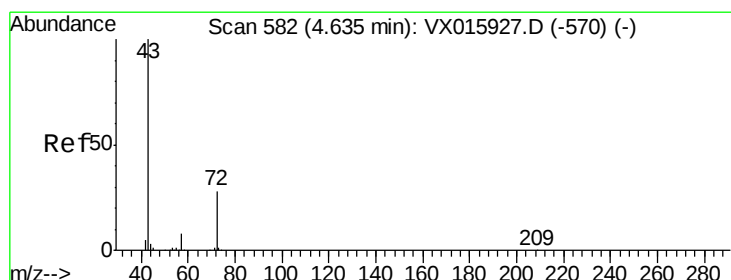
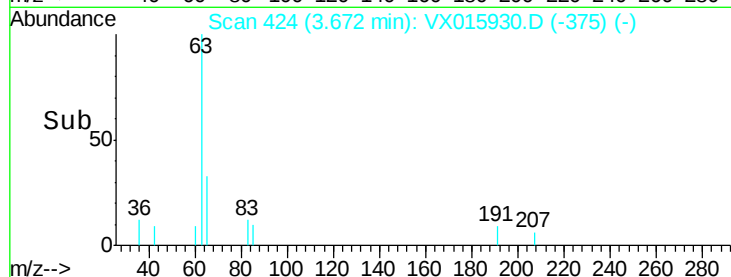
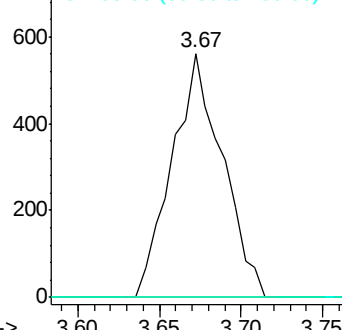
63 100

98 0.0 3.7 11.1#

100 0.0 2.3 6.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0  
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 1.718 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX015930.D

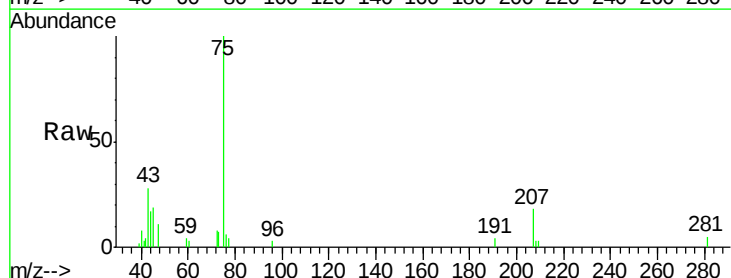
Acq: 24 Apr 2020 13:22

Tgt Ion: 43 Resp: 2056

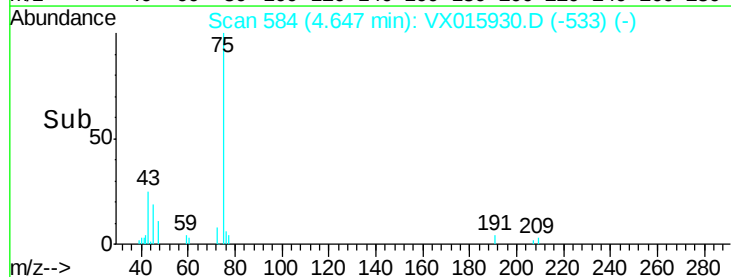
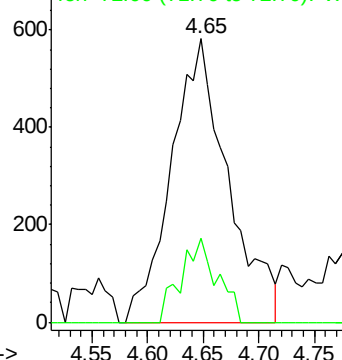
Ion Ratio Lower Upper

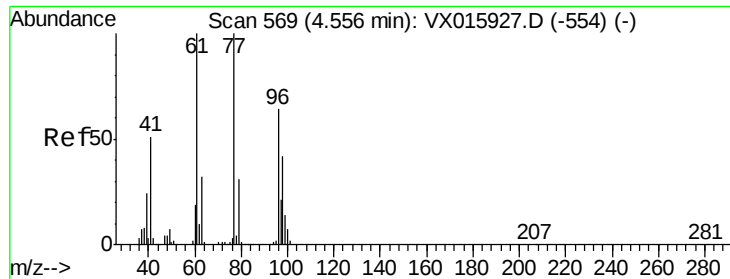
43 100

72 29.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 0.368 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

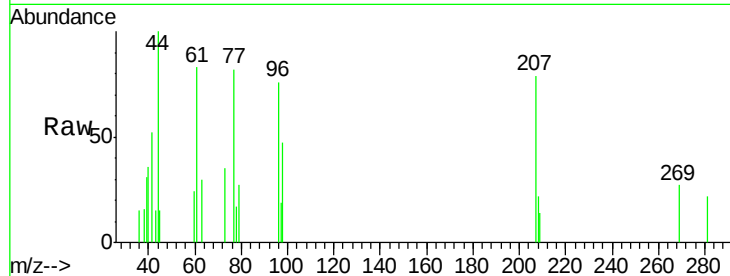
MB

Tot Ion: 77 Resp: 1019

Ion Ratio Lower Upper

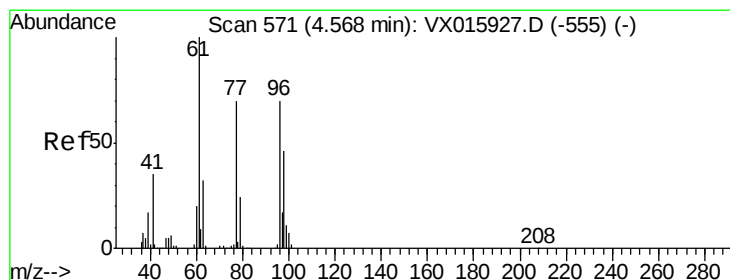
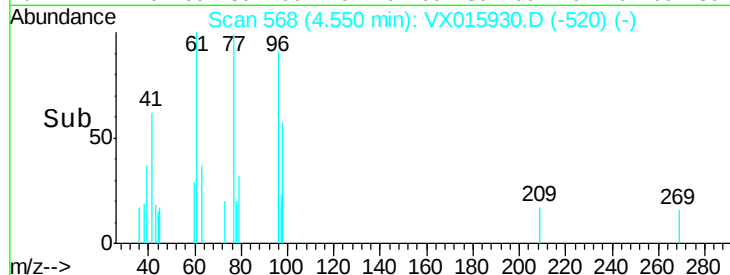
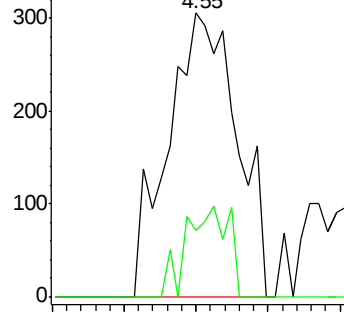
77 100

97 19.5 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.730 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

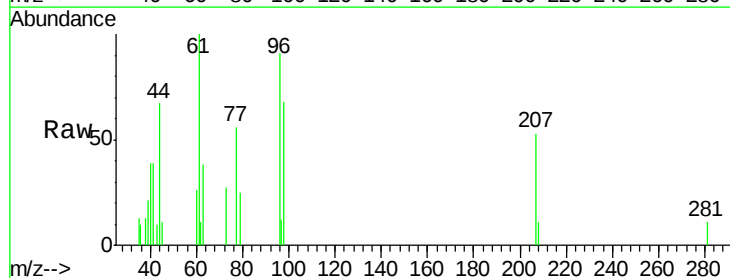
Tgt Ion: 96 Resp: 1453

Ion Ratio Lower Upper

96 100

61 113.0 0.0 293.4

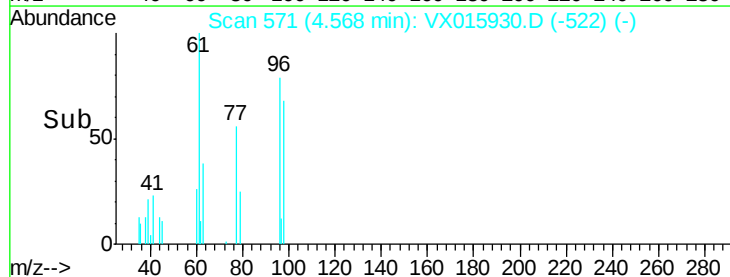
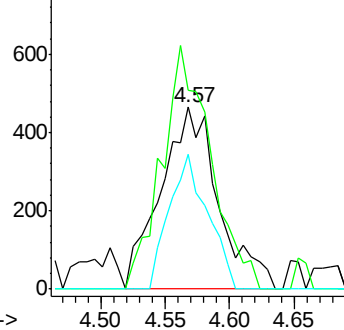
98 49.3 0.0 129.0

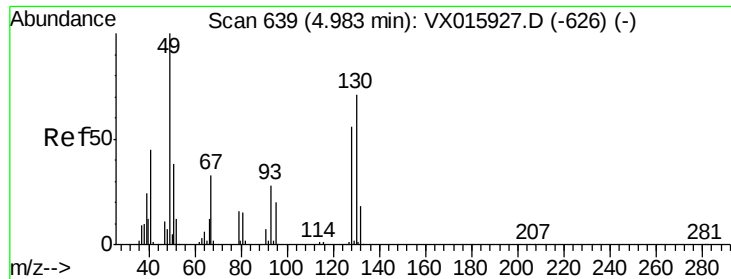


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

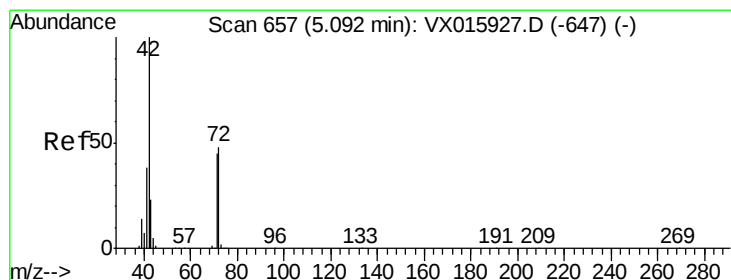
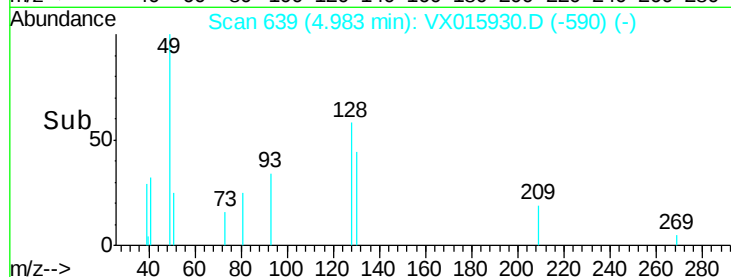
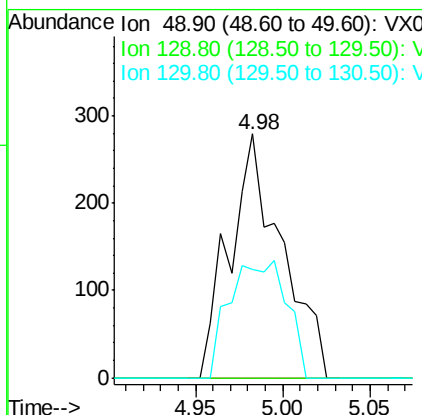
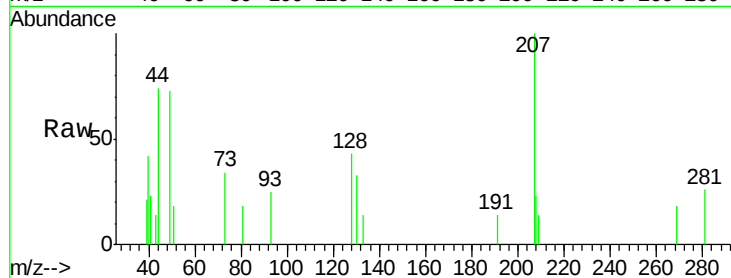




#28  
Bromochloromethane  
Concen: 0.419 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

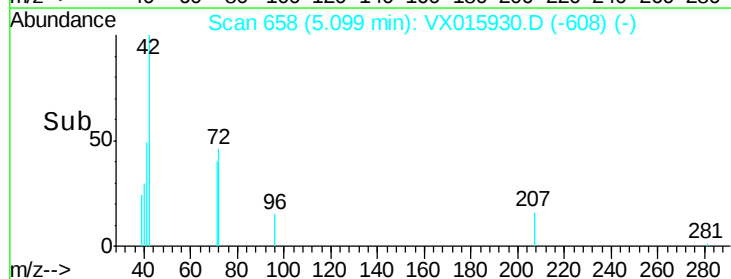
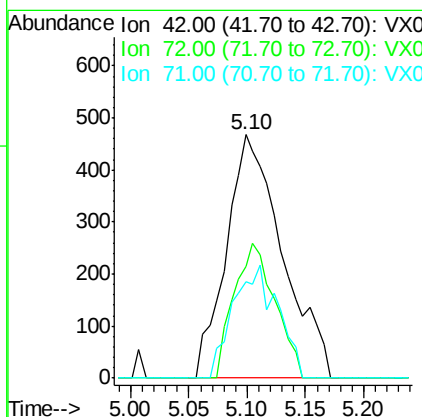
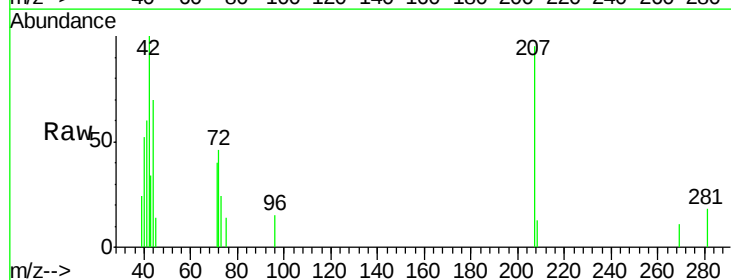
Instrument :  
MSVOA\_X  
ClientSampled :  
MB

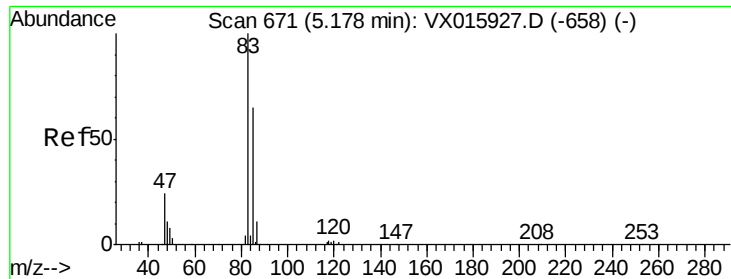
Tot Ion: 49 Resp: 581  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.8  
130 52.8 60.7 91.1#



#29  
Tetrahydrofuran  
Concen: 1.982 ug/l  
RT: 5.10 min Scan# 658  
Delta R.T. 0.01 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Tgt Ion: 42 Resp: 1563  
Ion Ratio Lower Upper  
42 100  
72 40.7 39.5 59.3  
71 37.0 36.4 54.6

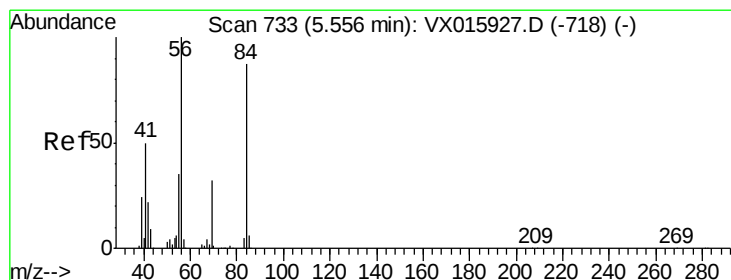
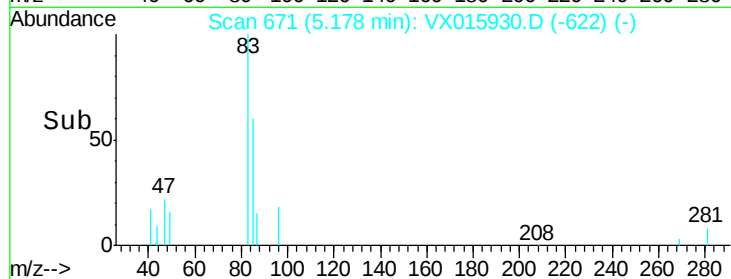
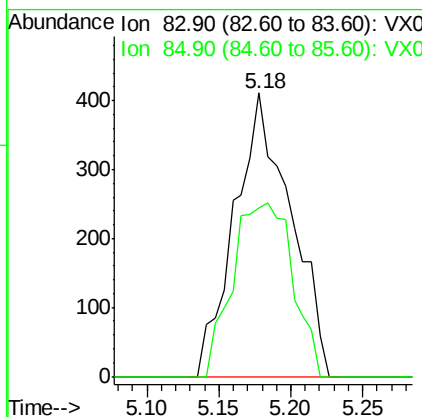
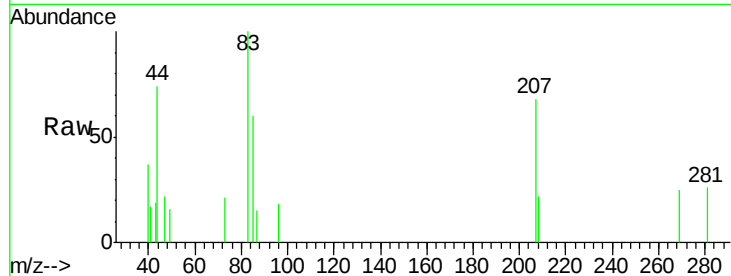




#30  
Chloroform  
Concen: 0.358 ug/l  
RT: 5.18 min Scan# 671  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

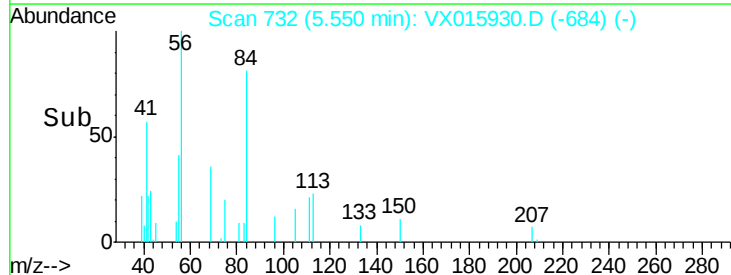
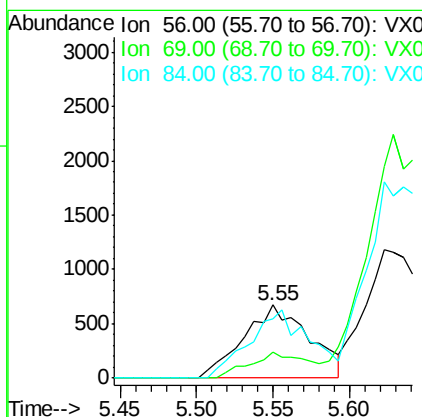
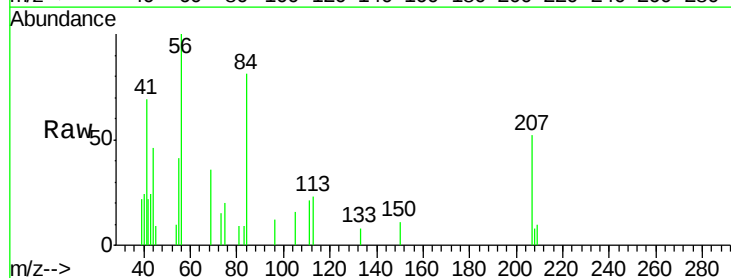
Instrument :  
MSVOA\_X  
ClientSampled :  
MB

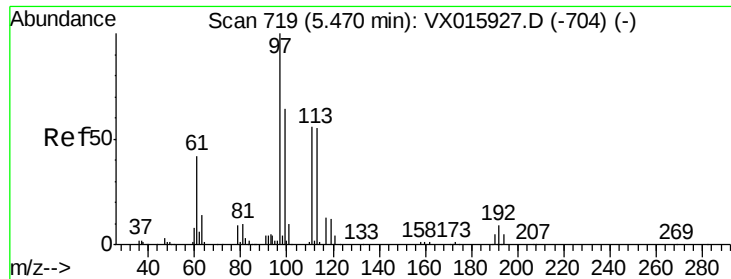
Tot Ion: 83 Resp: 1110  
Ion Ratio Lower Upper  
83 100  
85 59.6 51.7 77.5



#31  
Cyclohexane  
Concen: 0.682 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Tgt Ion: 56 Resp: 2003  
Ion Ratio Lower Upper  
56 100  
69 35.5 25.4 38.0  
84 80.8 69.5 104.3





#32

1,1,1-Trichloroethane

Concen: 0.377 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

MB

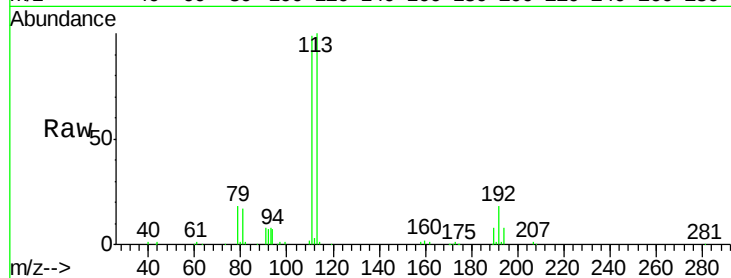
Tot Ion: 97 Resp: 1051

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

61 41.5 35.0 52.4

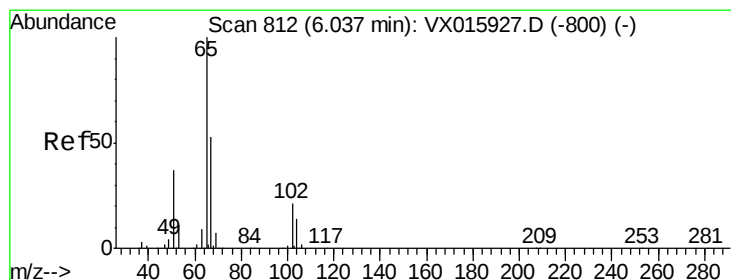
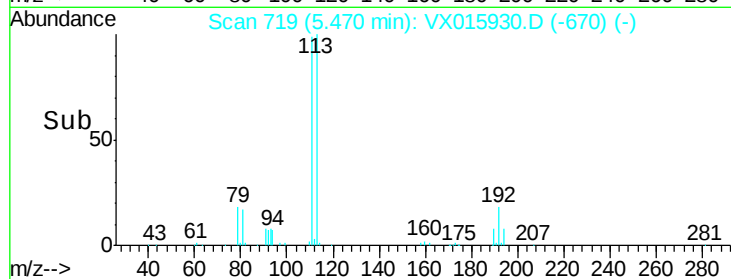
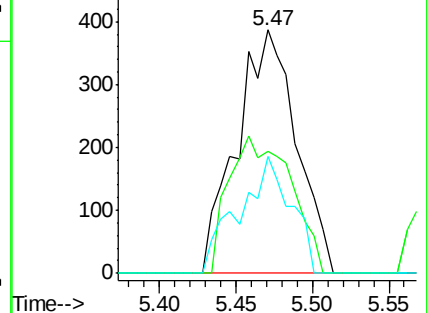


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

5.47



#33

1,2-Dichloroethane-d4

Concen: 51.451 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015930.D

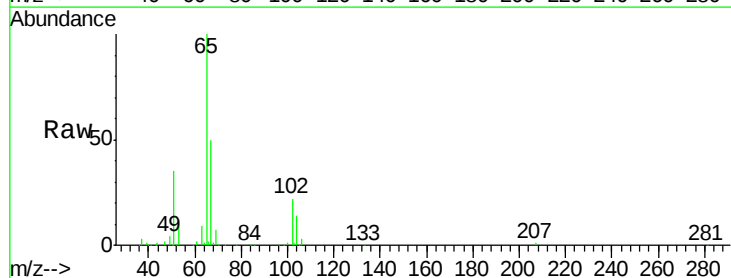
Acq: 24 Apr 2020 13:22

Tgt Ion: 65 Resp: 100827

Ion Ratio Lower Upper

65 100

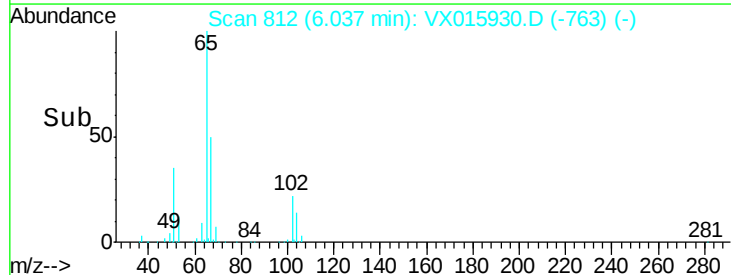
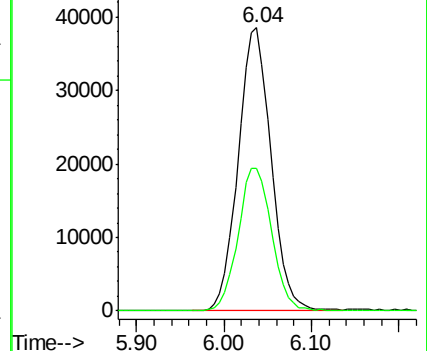
67 51.7 0.0 106.6

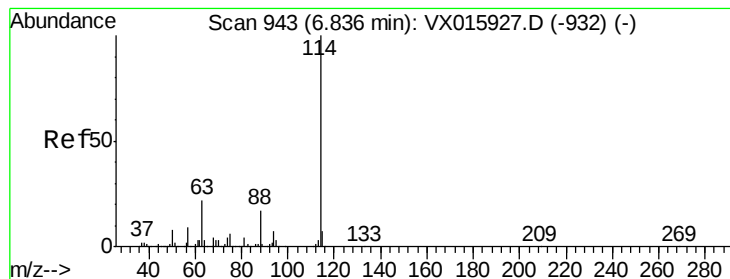


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

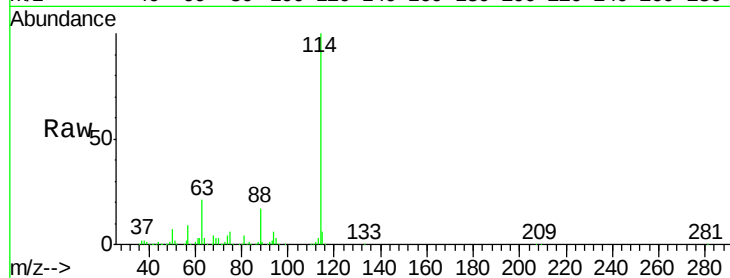
Tot Ion:114 Resp: 262467

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.4

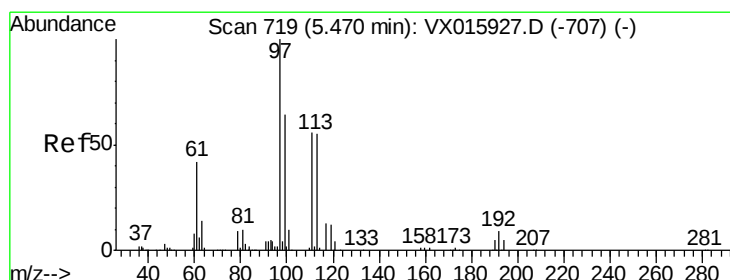
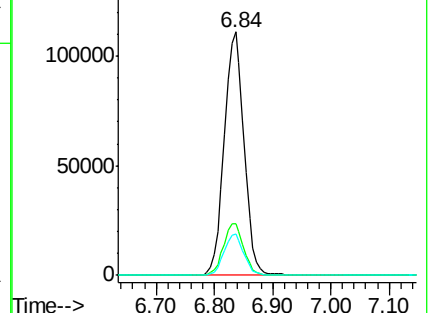
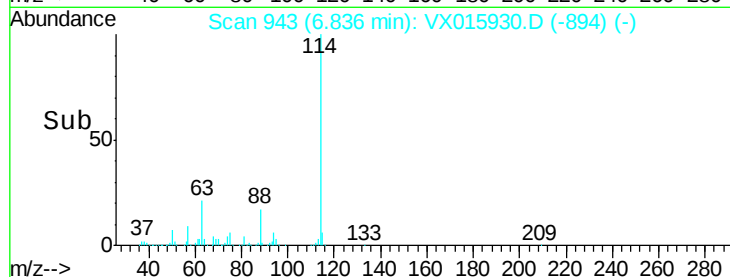
88 16.8 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.945 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

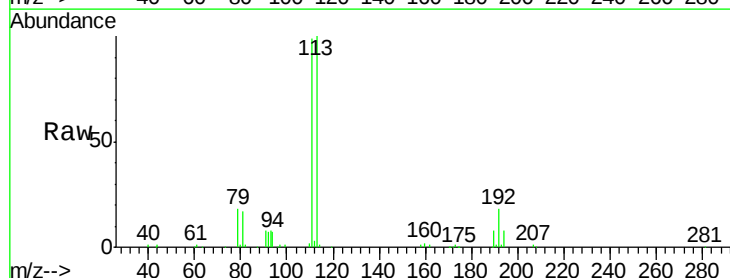
Tgt Ion:113 Resp: 77220

Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

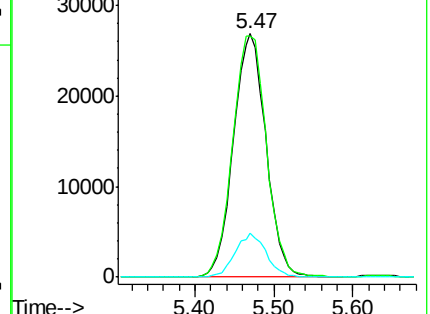
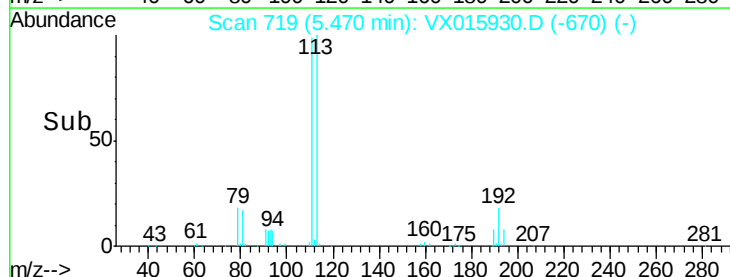
192 17.1 13.6 20.4

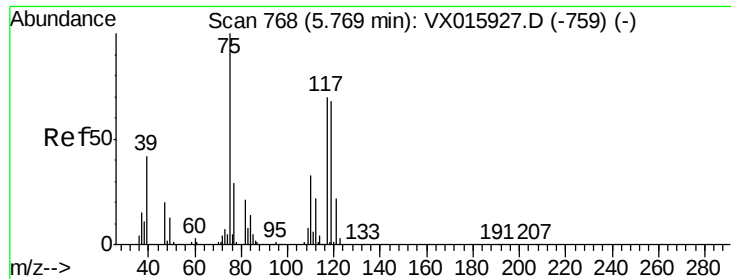


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 0.754 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

MB

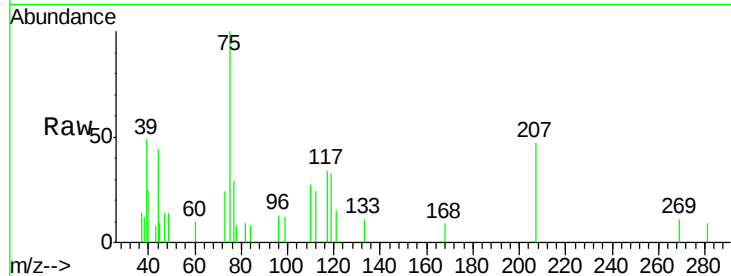
Tot Ion: 75 Resp: 1888

Ion Ratio Lower Upper

75 100

110 32.4 17.1 51.3

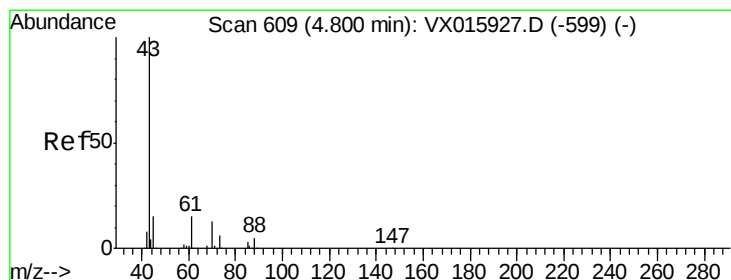
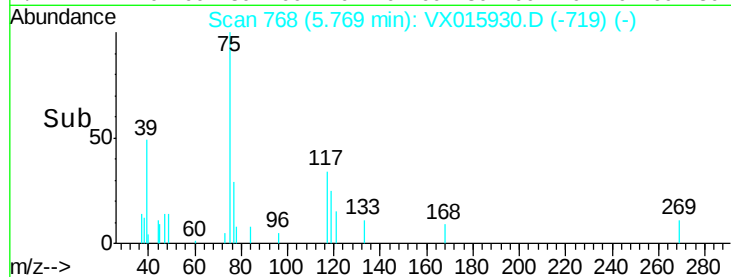
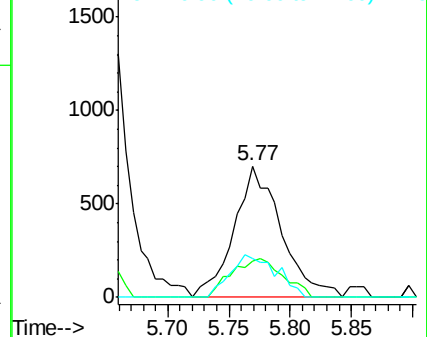
77 31.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.218 ug/l

RT: 4.80 min Scan# 609

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

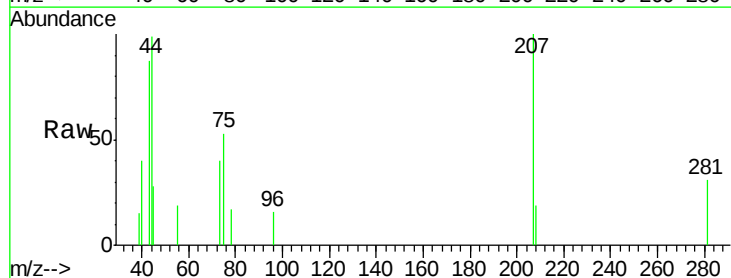
Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

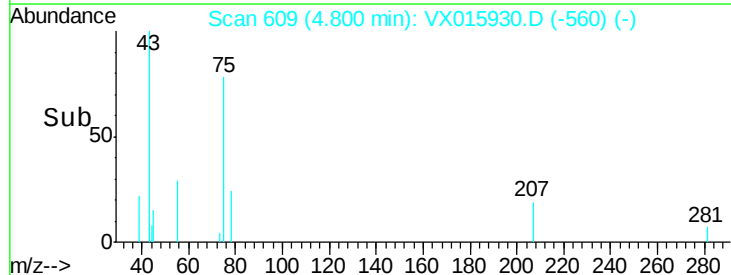
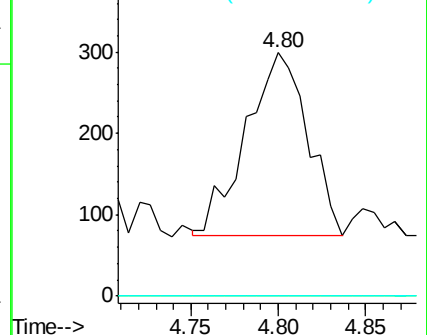
70 0.0 9.8 14.6#

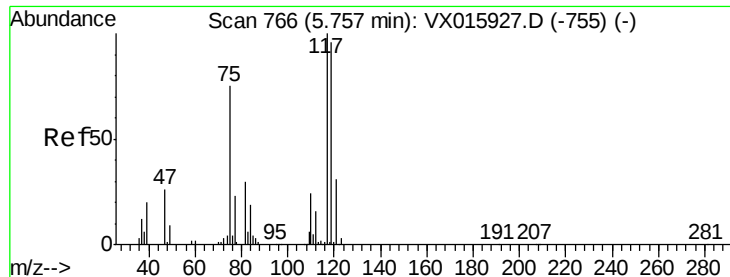


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 0.430 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

MB

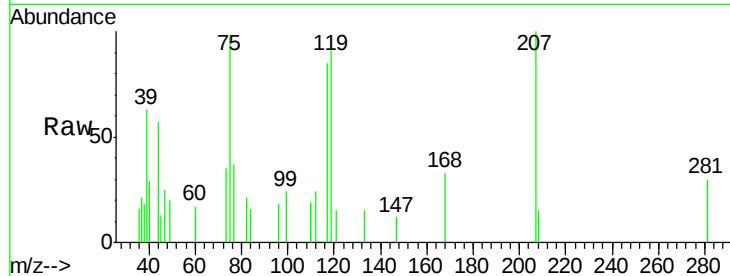
Tot Ion:117 Resp: 985

Ion Ratio Lower Upper

117 100

119 92.1 77.0 115.6

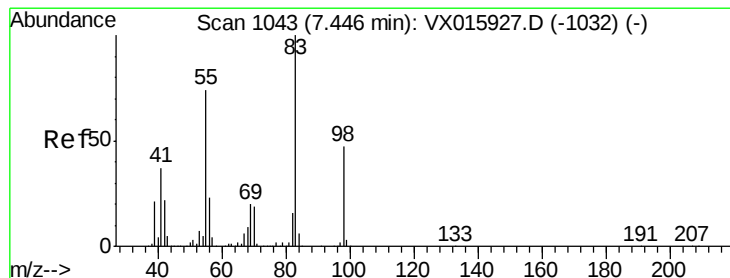
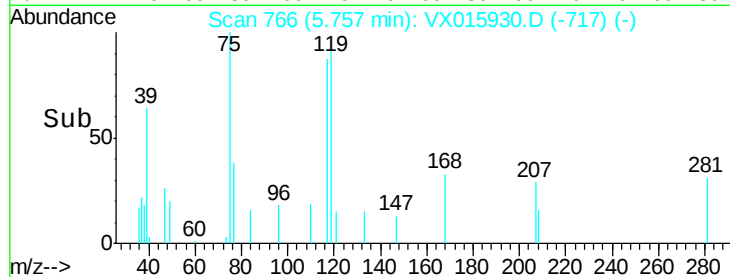
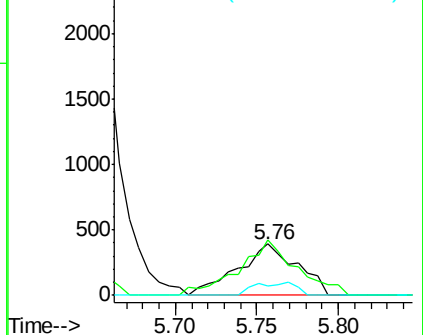
121 17.4 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.831 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

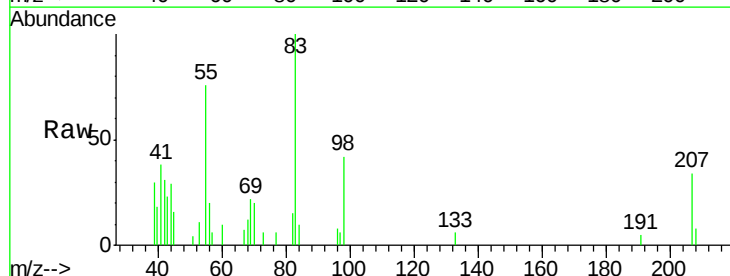
Tgt Ion: 83 Resp: 2523

Ion Ratio Lower Upper

83 100

55 76.4 59.0 88.4

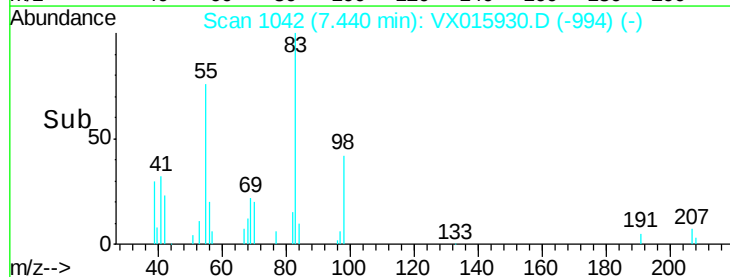
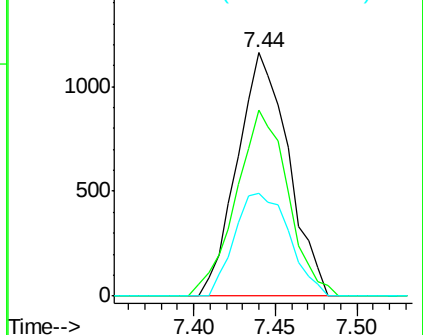
98 42.2 37.4 56.0

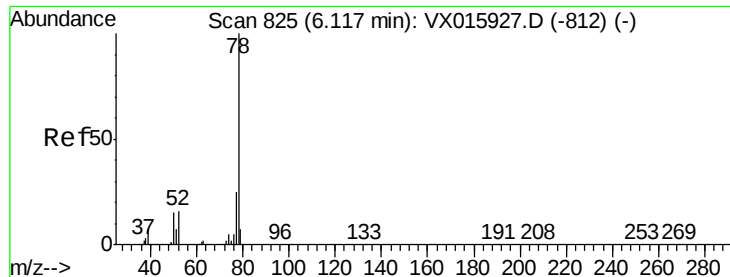


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.410 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

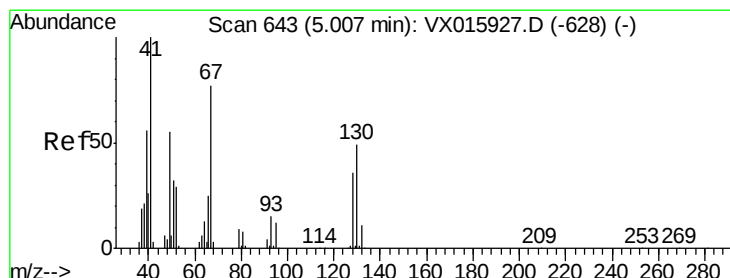
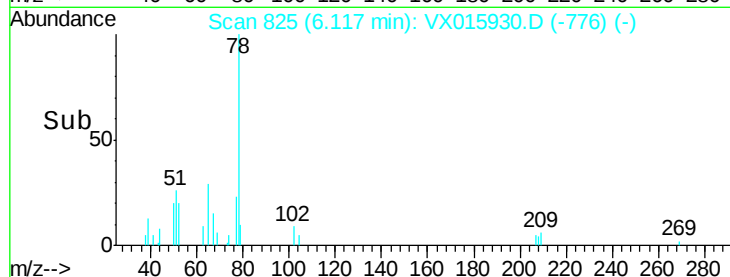
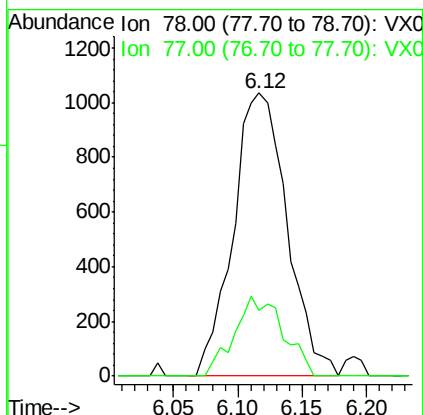
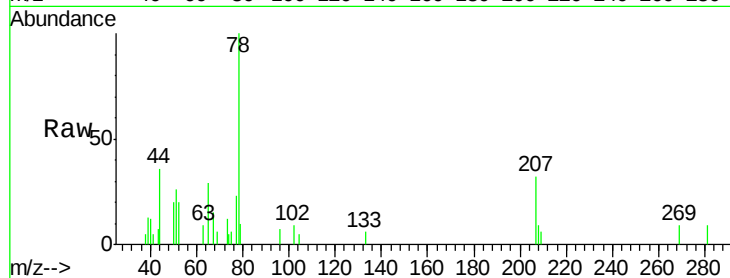
MB

Tot Ion: 78 Resp: 3006

Ion Ratio Lower Upper

78 100

77 23.4 19.8 29.8



#41

Methacrylonitrile

Concen: 0.434 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Tgt Ion: 41 Resp: 618

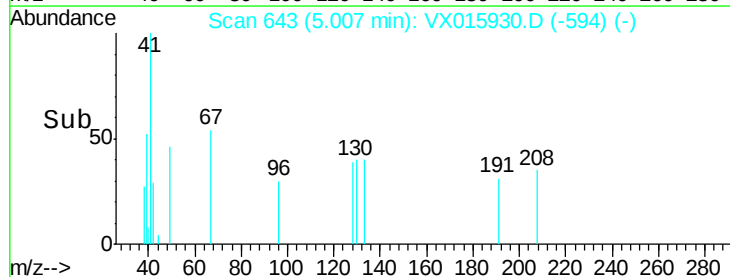
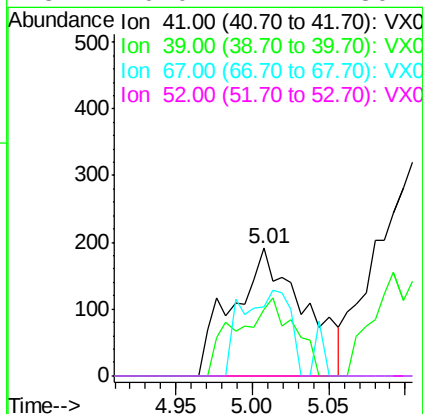
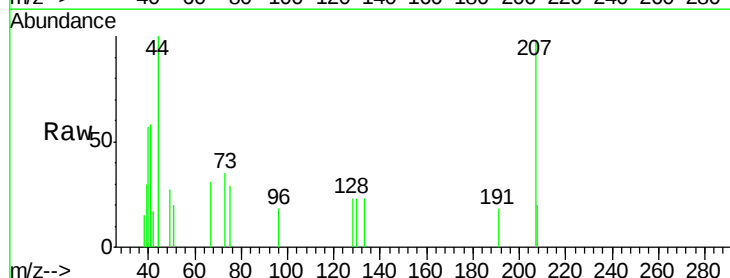
Ion Ratio Lower Upper

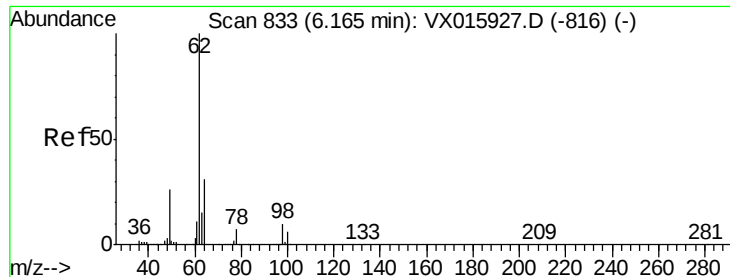
41 100

39 49.7 42.8 64.2

67 45.0 62.0 93.0#

52 0.0 24.2 36.4#





#42

1,2-Dichloroethane

Concen: 0.460 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

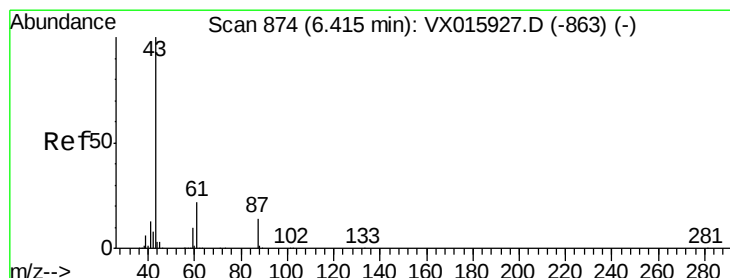
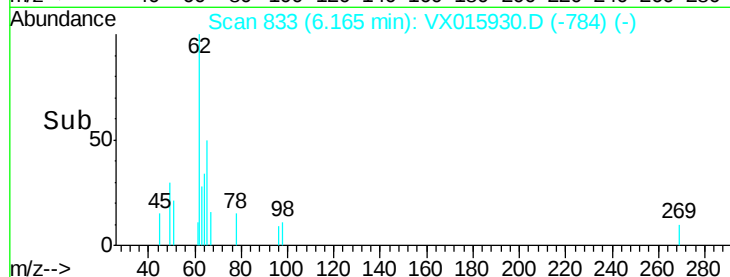
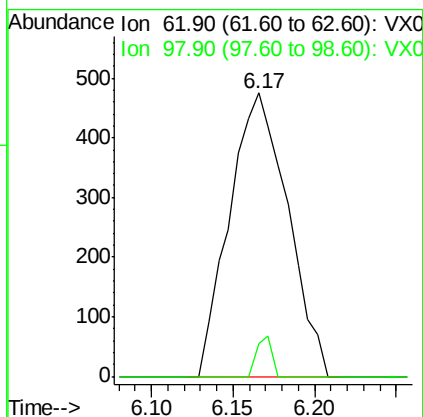
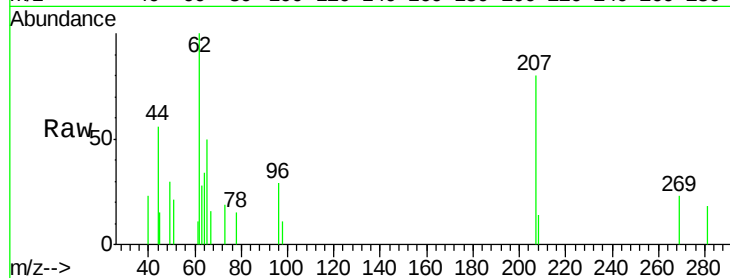
MB

Tot Ion: 62 Resp: 1180

Ion Ratio Lower Upper

62 100

98 3.7 0.0 20.0



#43

Isopropyl Acetate

Concen: 0.249 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

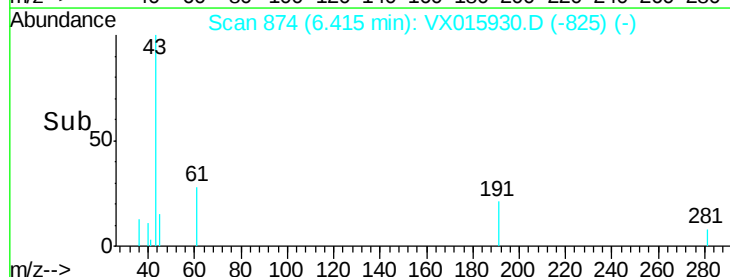
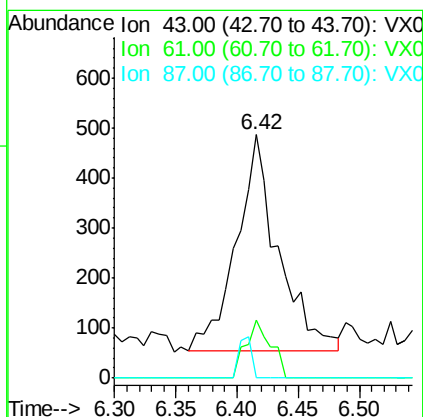
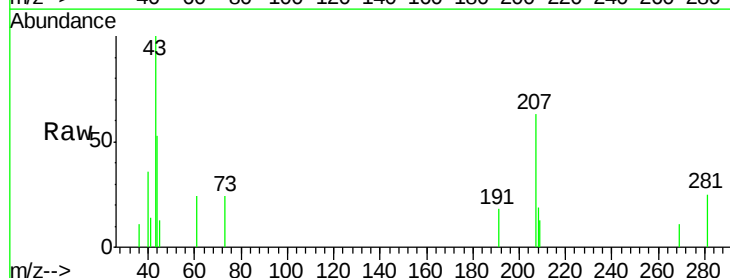
Tgt Ion: 43 Resp: 1028

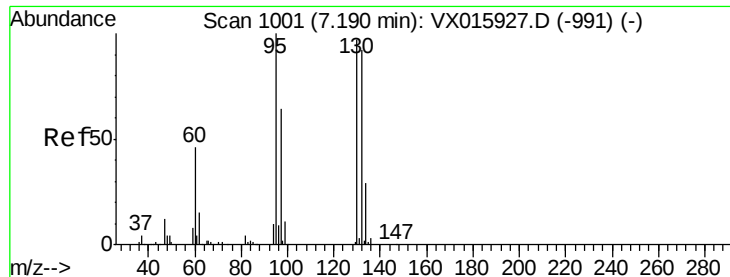
Ion Ratio Lower Upper

43 100

61 16.1 17.6 26.4#

87 5.5 11.6 17.4#





#44

Trichloroethene

Concen: 0.625 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

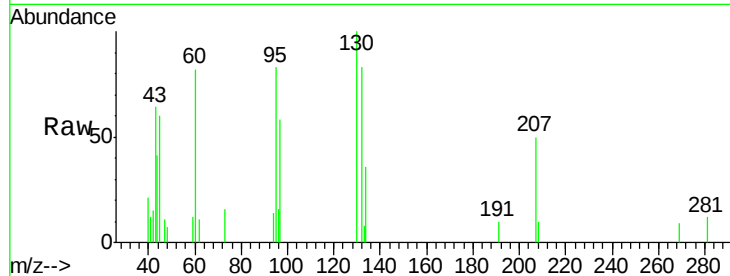
MB

Tot Ion:130 Resp: 1411

Ion Ratio Lower Upper

130 100

95 82.7 0.0 205.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

600

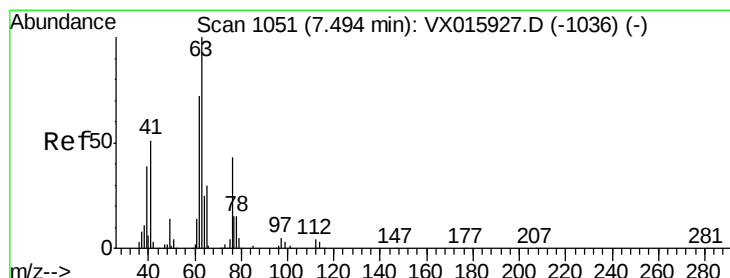
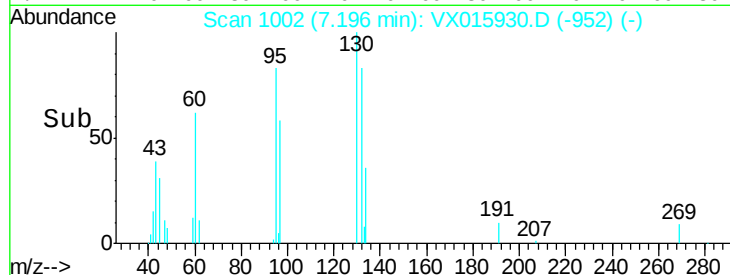
400

200

0

Time-->

7.15 7.20 7.25



#45

1,2-Dichloropropane

Concen: 0.302 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX015930.D

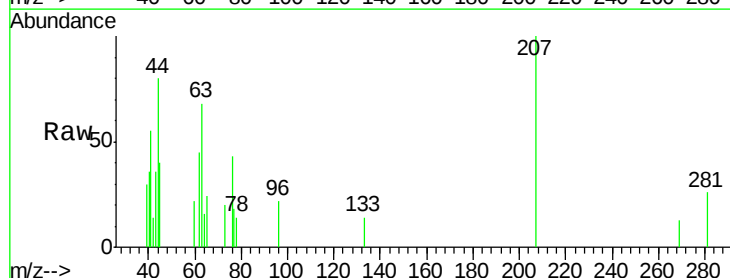
Acq: 24 Apr 2020 13:22

Tgt Ion: 63 Resp: 567

Ion Ratio Lower Upper

63 100

65 35.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

300

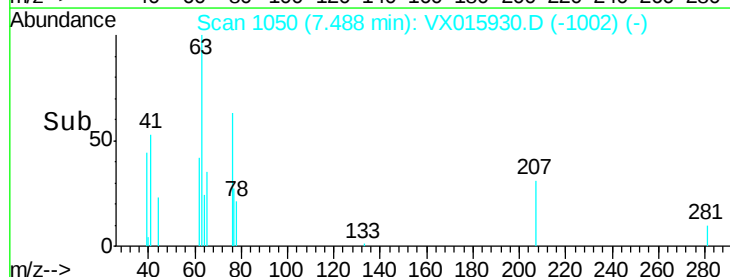
200

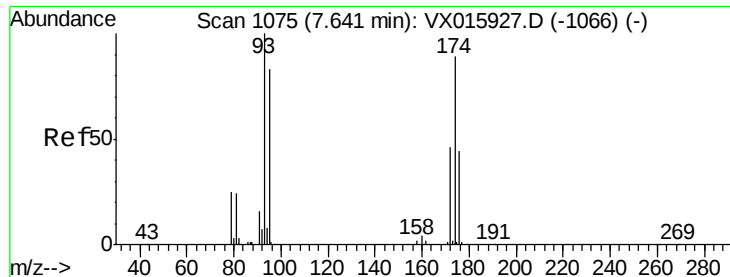
100

0

Time-->

7.45 7.50





#46

Dibromomethane

Concen: 0.485 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

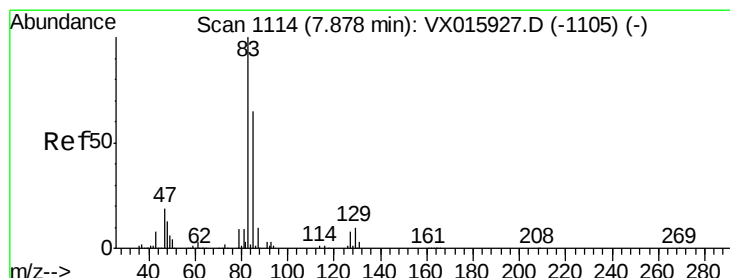
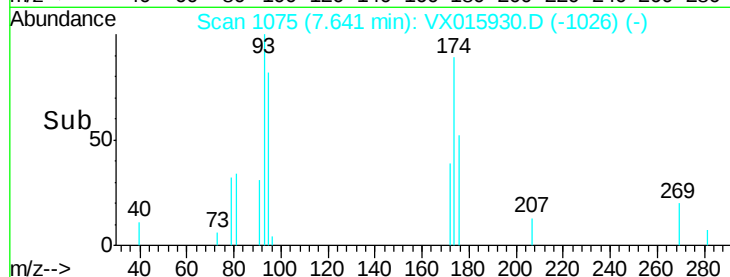
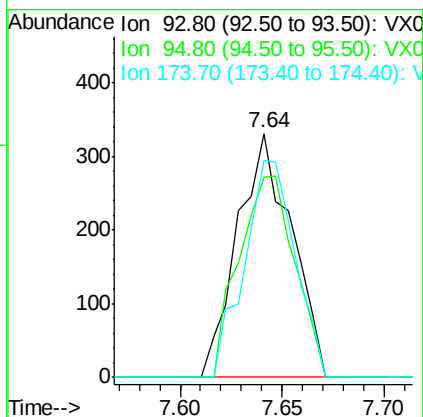
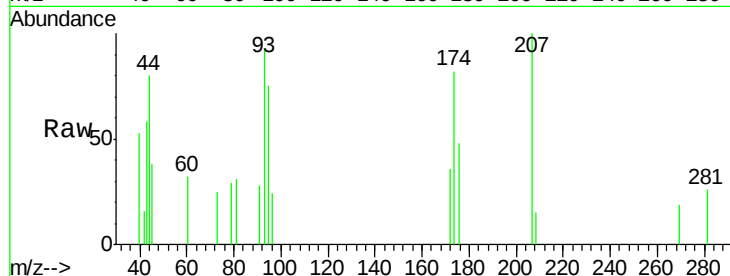
Tot Ion: 93 Resp: 608

Ion Ratio Lower Upper

93 100

95 85.7 65.7 98.5

174 84.0 70.6 105.8



#47

Bromodichloromethane

Concen: 0.279 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

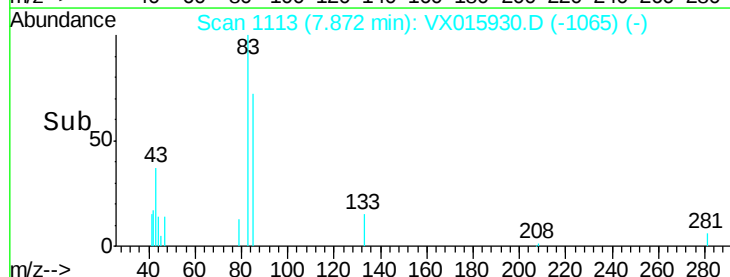
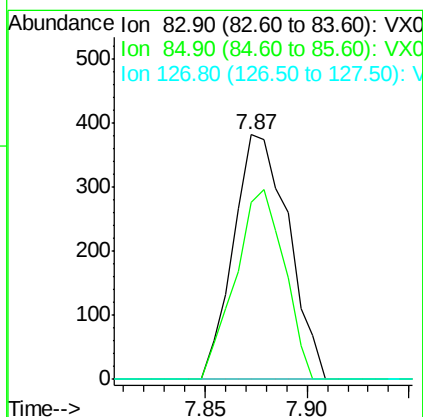
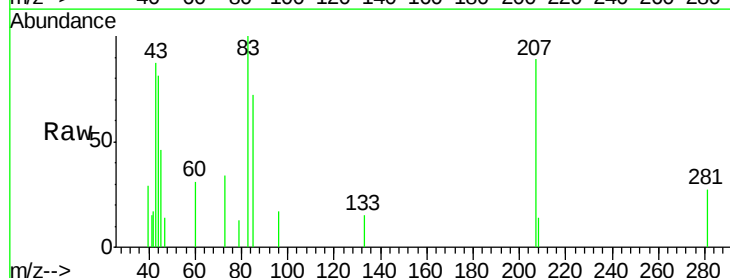
Tgt Ion: 83 Resp: 711

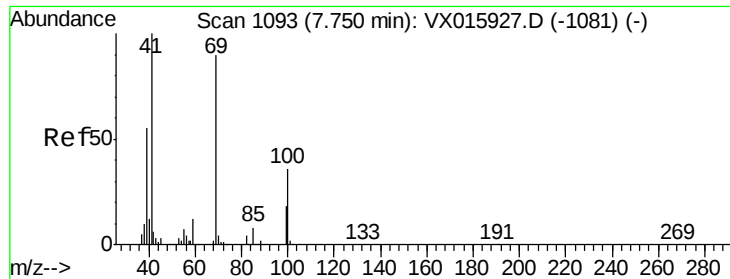
Ion Ratio Lower Upper

83 100

85 72.4 51.6 77.4

127 0.0 6.7 10.1#

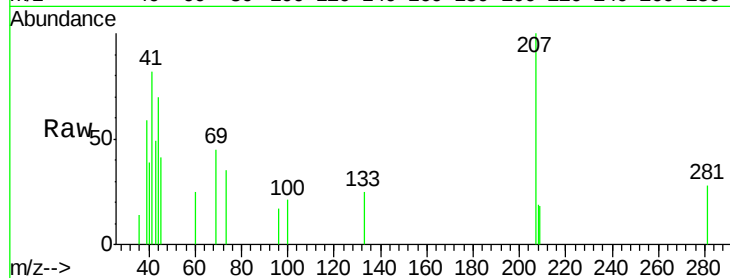




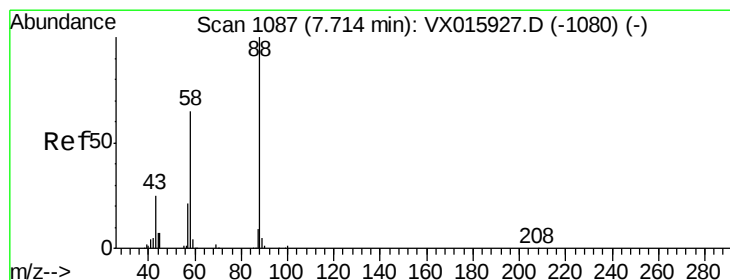
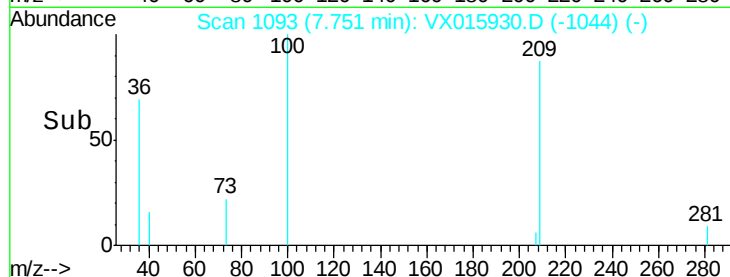
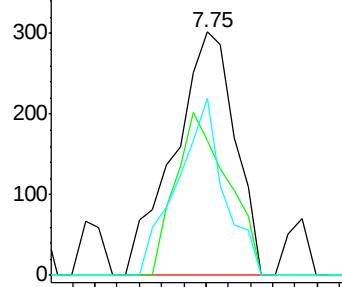
#48  
Methvl methacrylate  
Concen: 0.282 ug/l  
RT: 7.75 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
MB

Tot Ion: 41 Resp: 573  
Ion Ratio Lower Upper  
41 100  
69 57.6 72.0 108.0#  
39 56.5 44.1 66.1

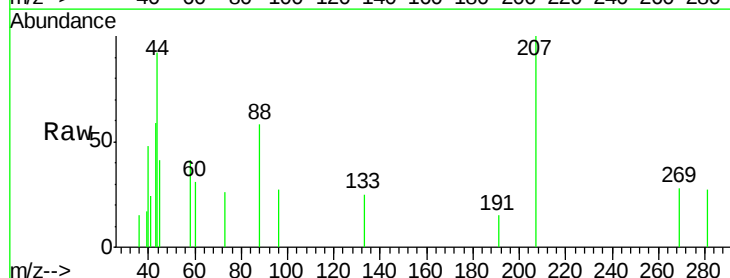


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0

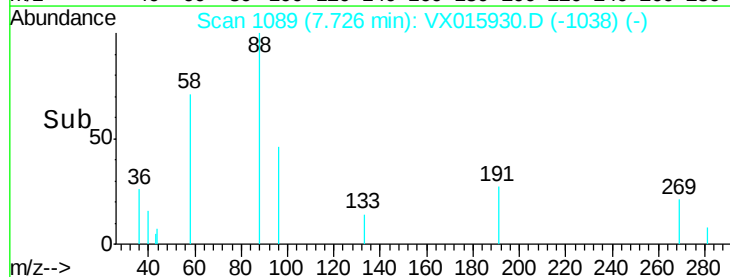
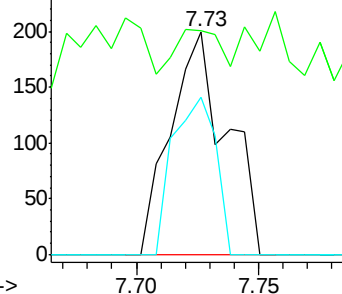


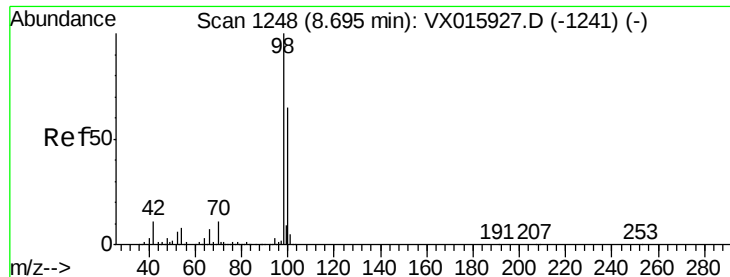
#49  
1,4-Dioxane  
Concen: 7.066 ug/l  
RT: 7.73 min Scan# 1089  
Delta R.T. 0.01 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Tgt Ion: 88 Resp: 319  
Ion Ratio Lower Upper  
88 100  
43 18.8 23.8 35.8#  
58 54.2 55.7 83.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 54.338 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

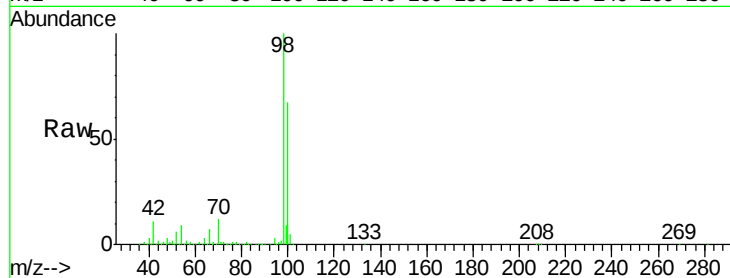
MB

Tot Ion: 98 Resp: 329304

Ion Ratio Lower Upper

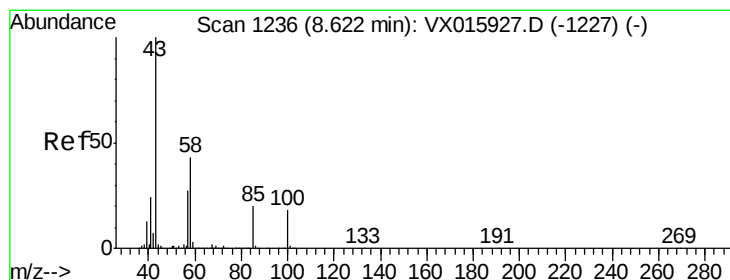
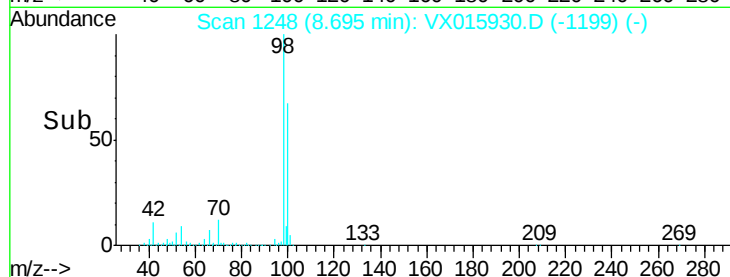
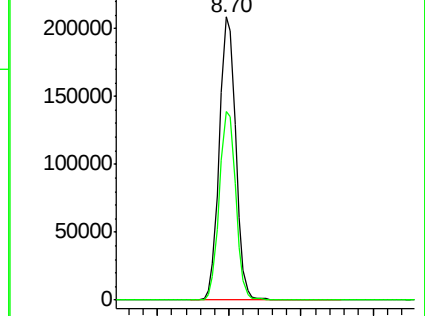
98 100

100 67.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 1.189 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015930.D

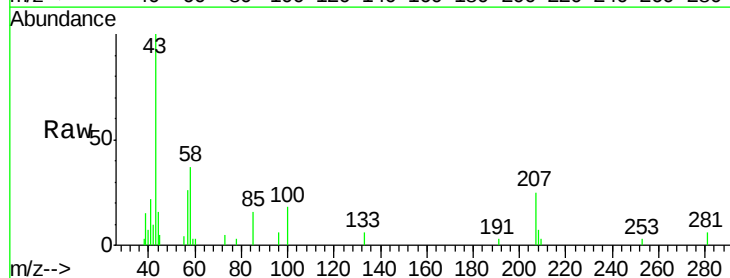
Acq: 24 Apr 2020 13:22

Tgt Ion: 43 Resp: 2877

Ion Ratio Lower Upper

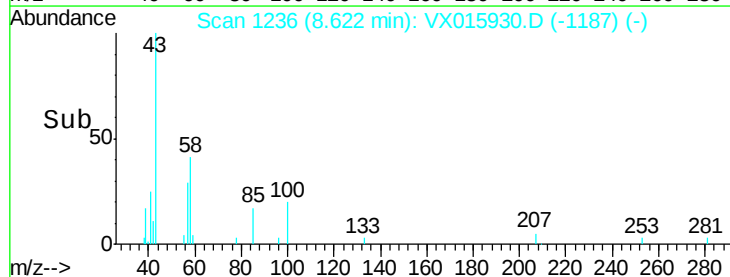
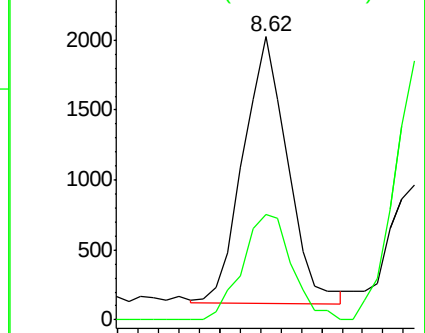
43 100

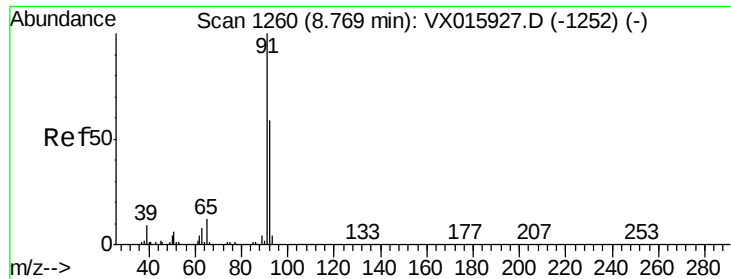
58 44.1 34.2 51.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.445 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

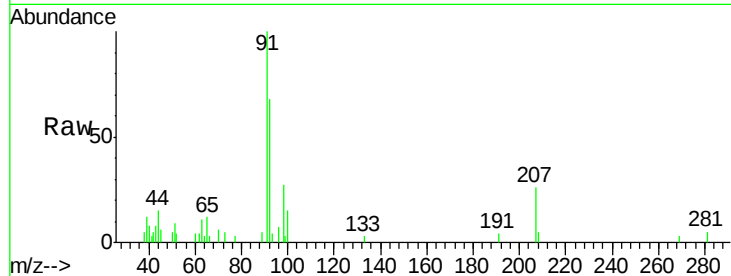
MB

Tot Ion: 92 Resp: 2068

Ion Ratio Lower Upper

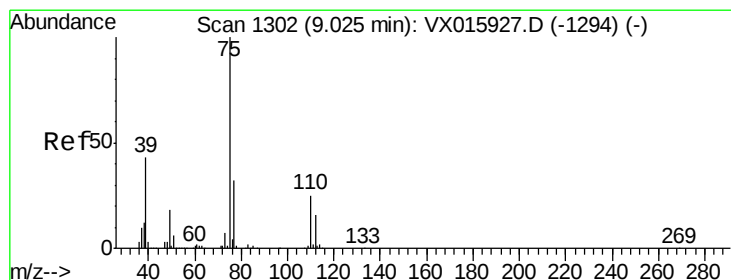
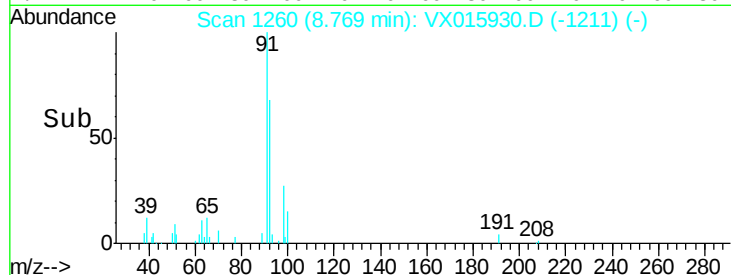
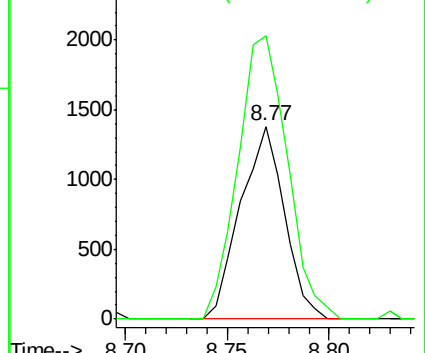
92 100

91 165.8 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.499 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015930.D

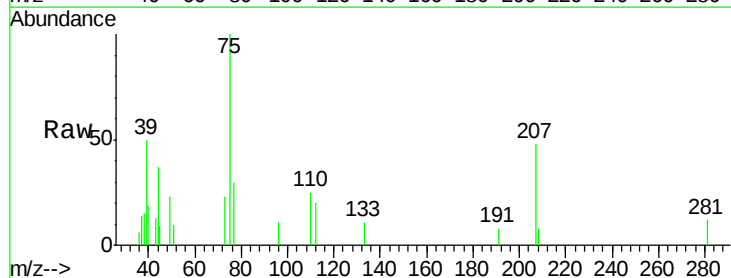
Acq: 24 Apr 2020 13:22

Tgt Ion: 75 Resp: 1534

Ion Ratio Lower Upper

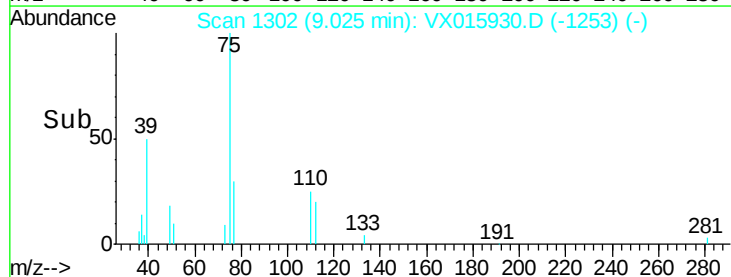
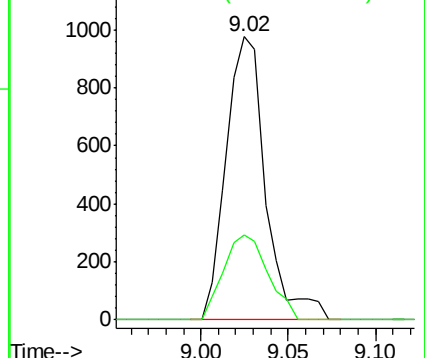
75 100

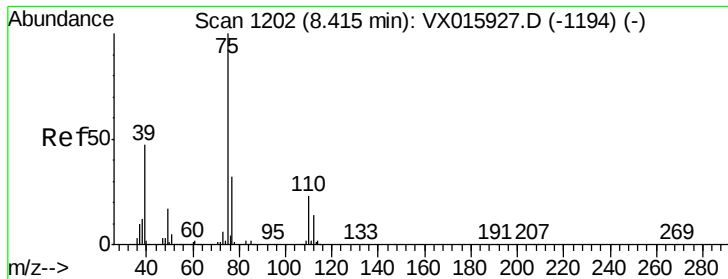
77 29.8 25.9 38.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



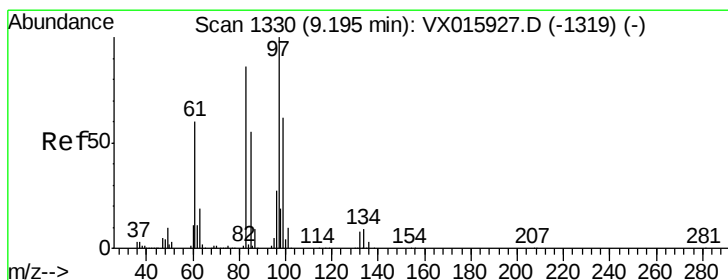
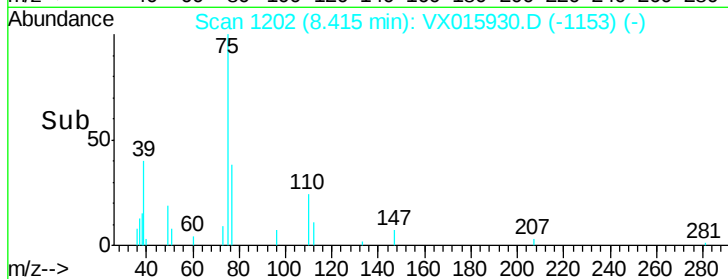
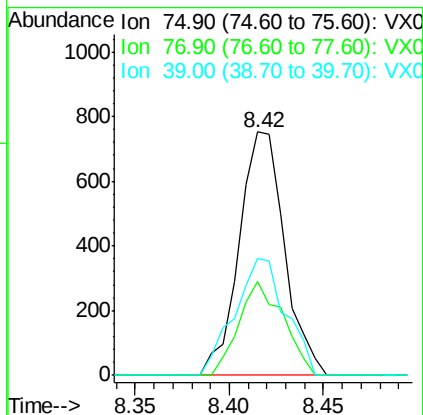
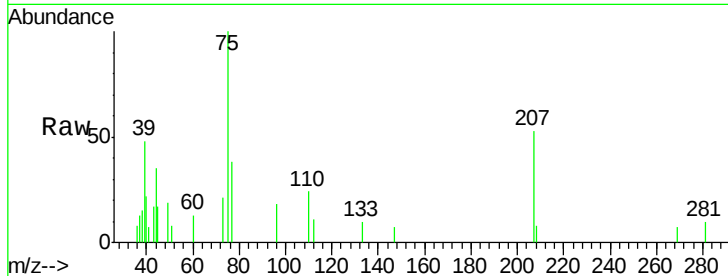


#54

cis-1,3-Dichloropropene  
 Concen: 0.390 ug/l  
 RT: 8.42 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MB

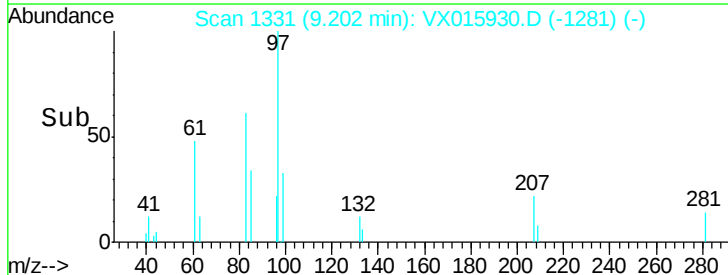
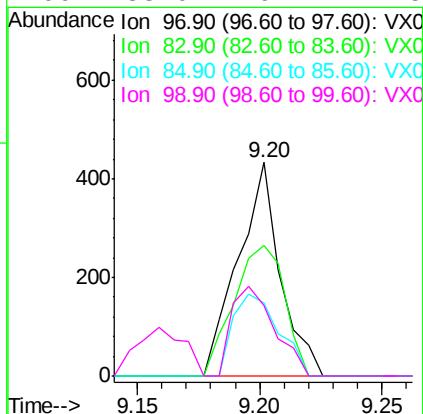
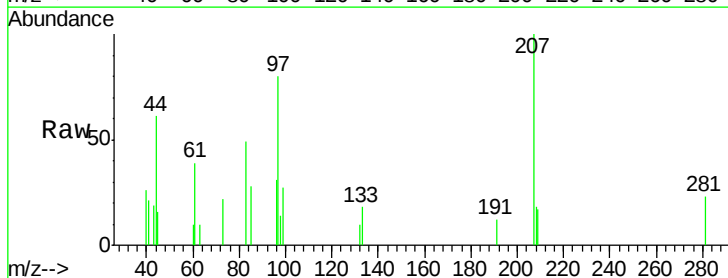
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 38.4  | 25.8  | 38.8  |
| 39      | 47.9  | 37.2  | 55.8  |

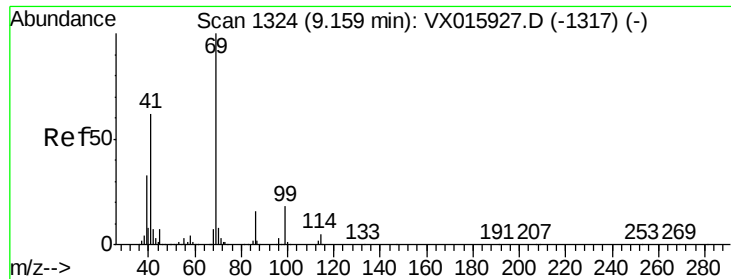


#55

1,1,2-Trichloroethane  
 Concen: 0.281 ug/l  
 RT: 9.20 min Scan# 1331  
 Delta R.T. 0.01 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 97      | 100   |       |        |
| 83      | 61.4  | 68.6  | 103.0# |
| 85      | 34.4  | 44.0  | 66.0#  |
| 99      | 33.0  | 49.7  | 74.5#  |





#56

Ethyl methacrylate

Concen: 0.272 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

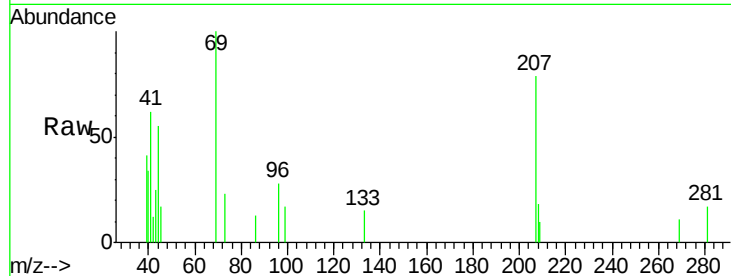
Tot Ion: 69 Resp: 815

Ion Ratio Lower Upper

69 100

41 84.7 49.2 73.8#

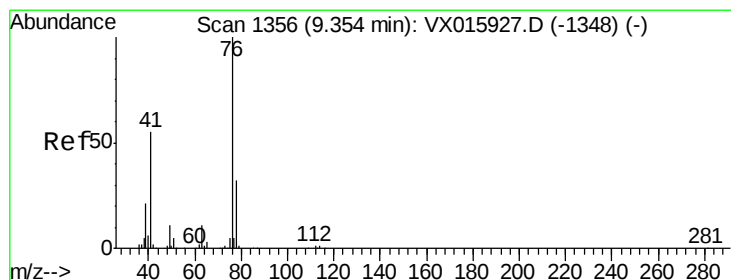
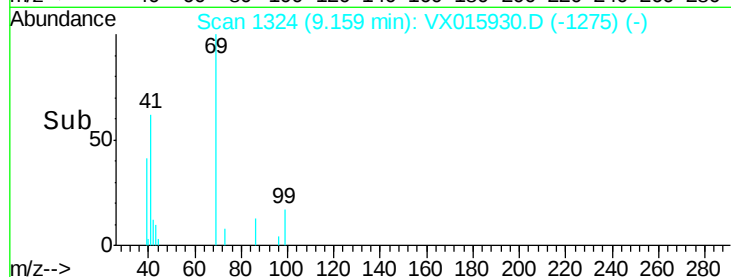
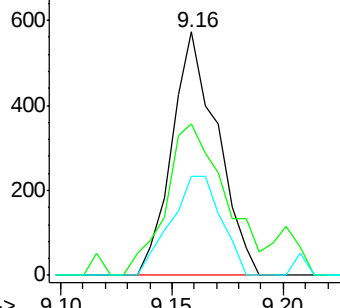
39 45.3 26.0 39.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 0.303 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015930.D

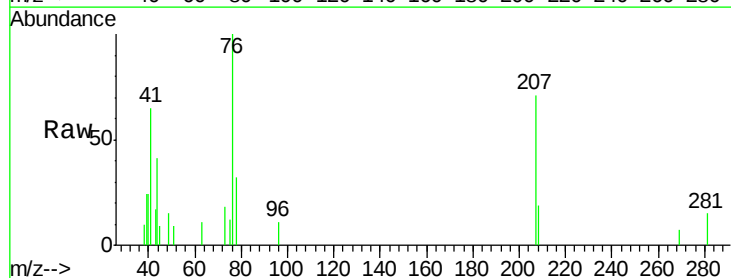
Acq: 24 Apr 2020 13:22

Tgt Ion: 76 Resp: 964

Ion Ratio Lower Upper

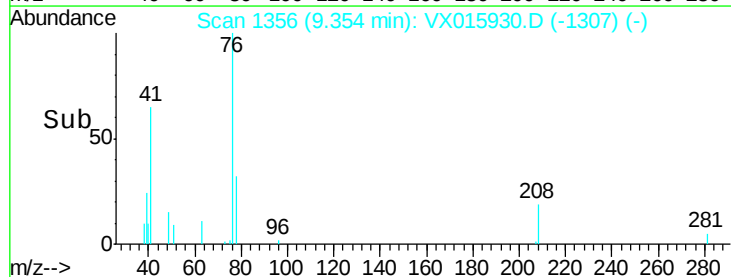
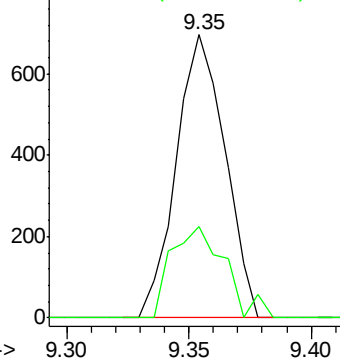
76 100

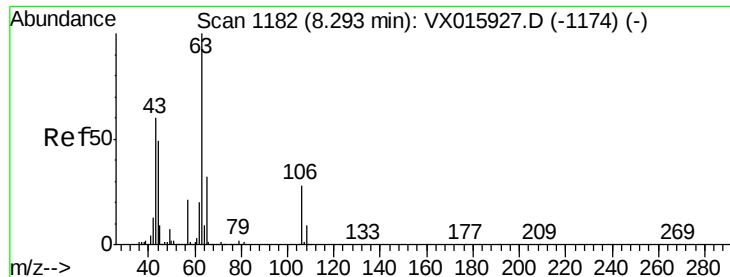
78 35.4 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

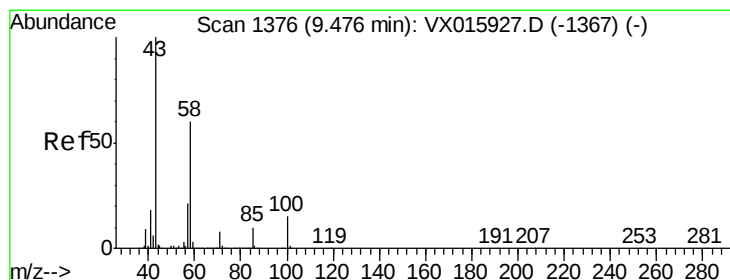
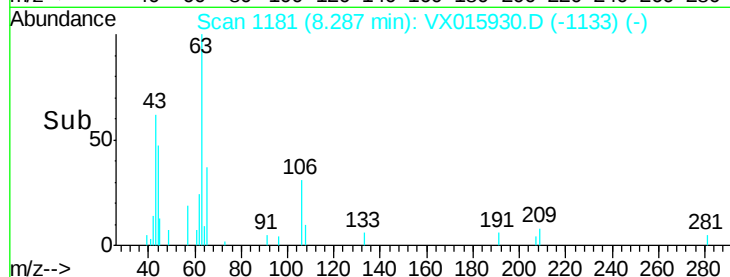
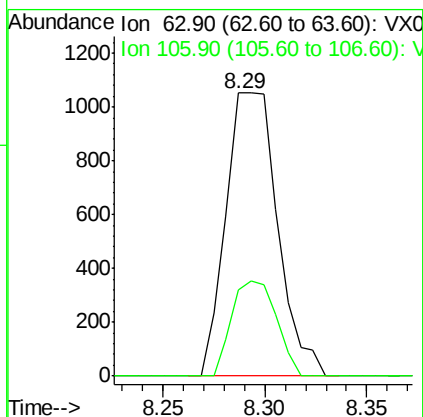
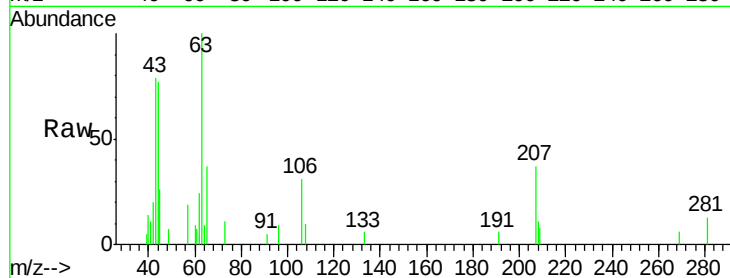




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 1.255 ug/l  
 RT: 8.29 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

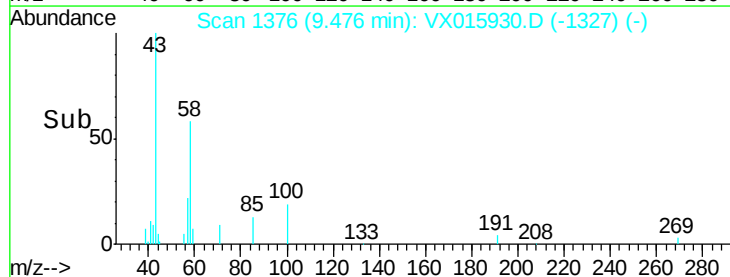
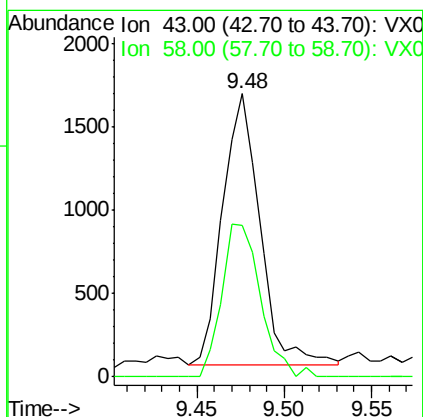
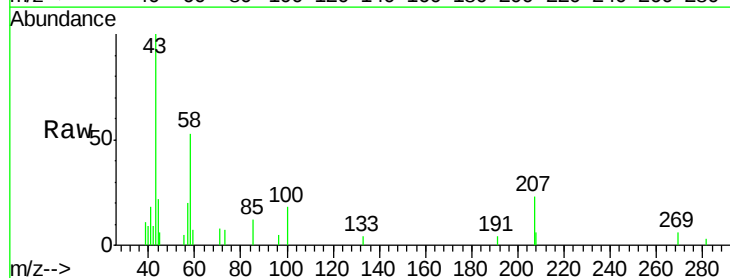
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MB

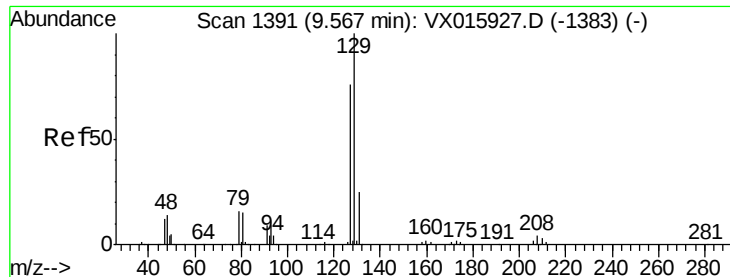
Tot Ion: 63 Resp: 1856  
 Ion Ratio Lower Upper  
 63 100  
 106 28.9 23.0 34.6



#59  
 2-Hexanone  
 Concen: 1.313 ug/l  
 RT: 9.48 min Scan# 1376  
 Delta R.T. 0.00 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

Tgt Ion: 43 Resp: 2412  
 Ion Ratio Lower Upper  
 43 100  
 58 58.6 29.7 89.1





#60

Dibromochloromethane

Concen: 0.263 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

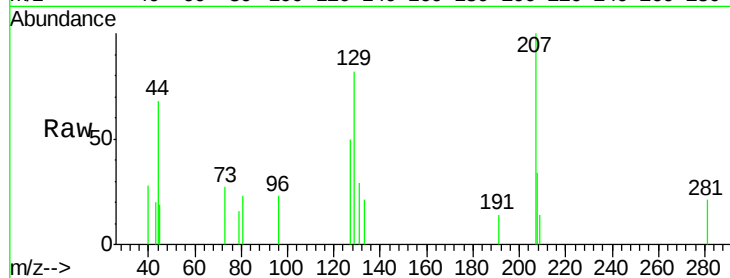
MB

Tot Ion:129 Resp: 485

Ion Ratio Lower Upper

129 100

127 68.7 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

300

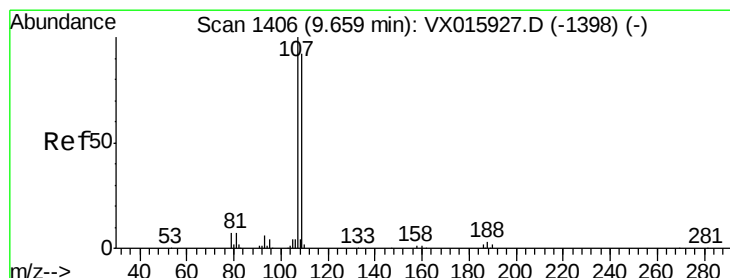
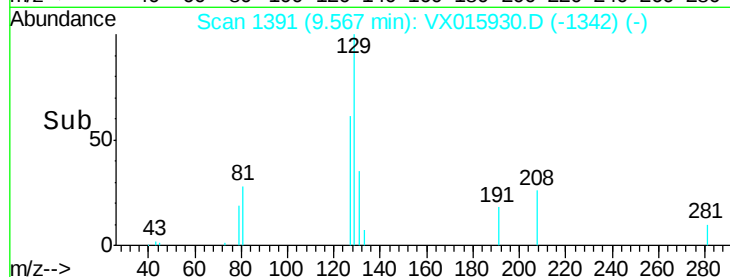
200

100

0

9.55 9.60

Time-->



#61

1,2-Dibromoethane

Concen: 0.360 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.00 min

Lab File: VX015930.D

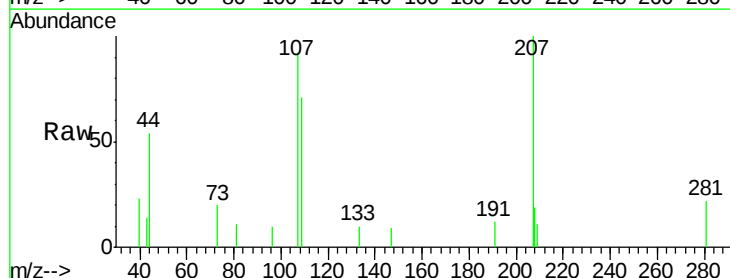
Acq: 24 Apr 2020 13:22

Tgt Ion:107 Resp: 692

Ion Ratio Lower Upper

107 100

109 84.1 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

600

500

400

300

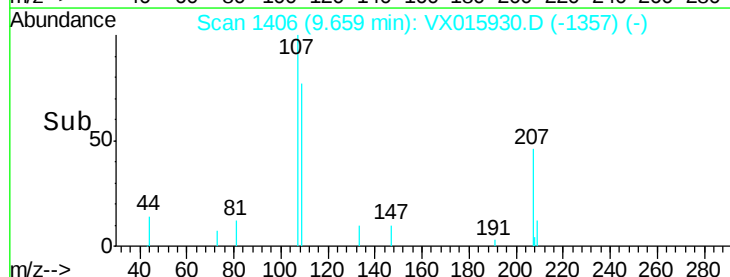
200

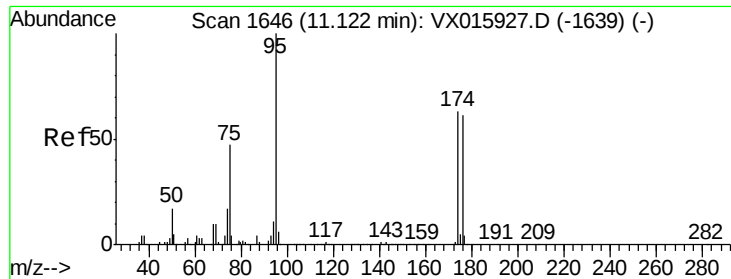
100

0

9.65 9.70

Time-->





#62

4-Bromofluorobenzene

Concen: 55.563 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

MB

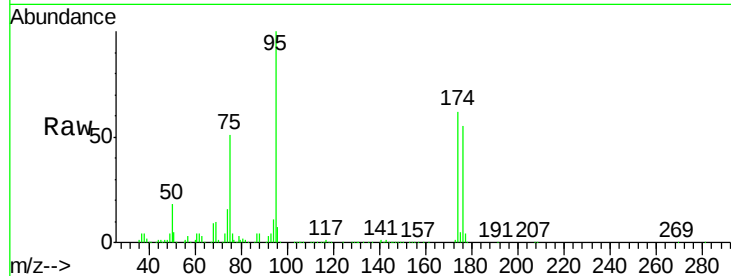
Tot Ion: 95 Resp: 136580

Ion Ratio Lower Upper

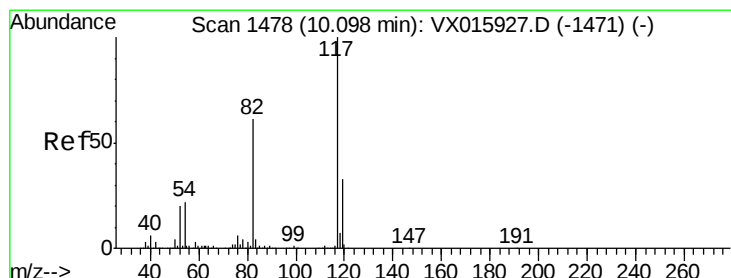
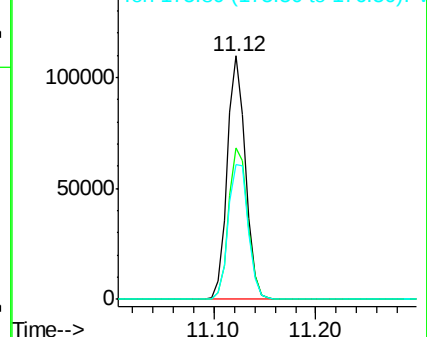
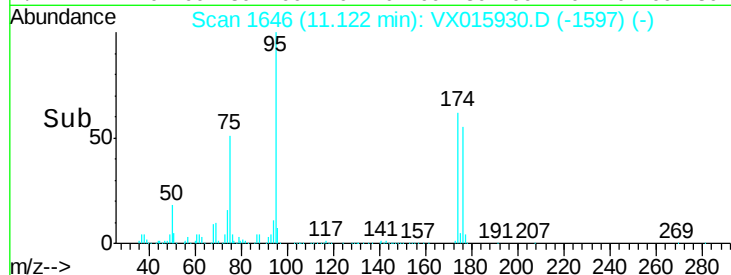
95 100

174 64.8 0.0 133.6

176 60.3 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX015930.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

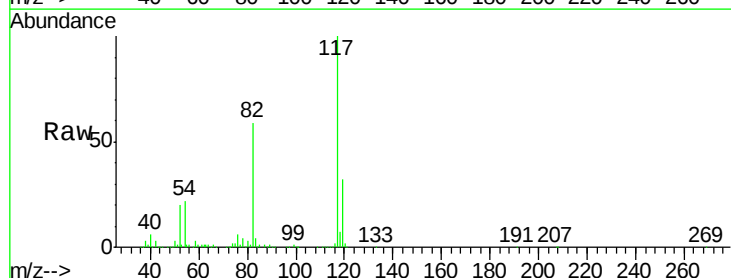
Tgt Ion: 117 Resp: 255374

Ion Ratio Lower Upper

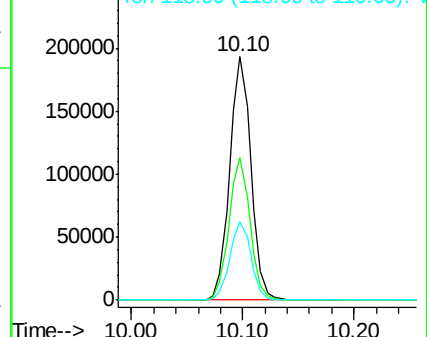
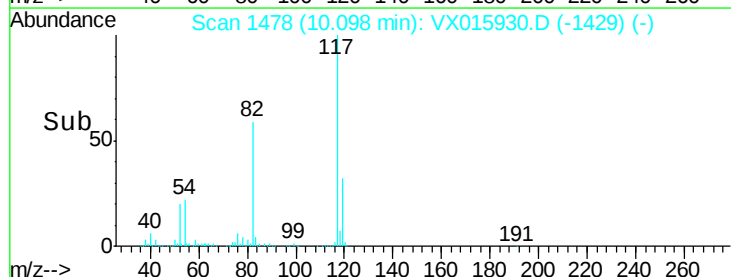
117 100

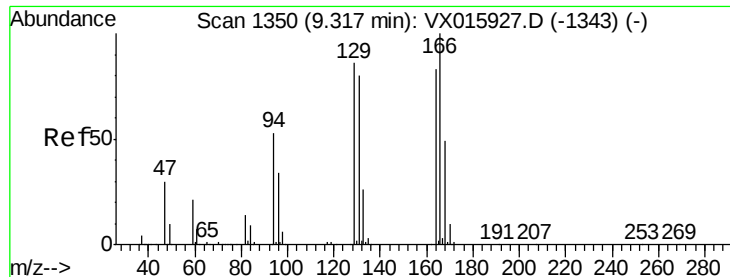
82 58.7 48.5 72.7

119 32.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VX015930.D (-1429) (-)





#64

Tetrachloroethene

Concen: 0.624 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

Tot Ion:164 Resp: 1586

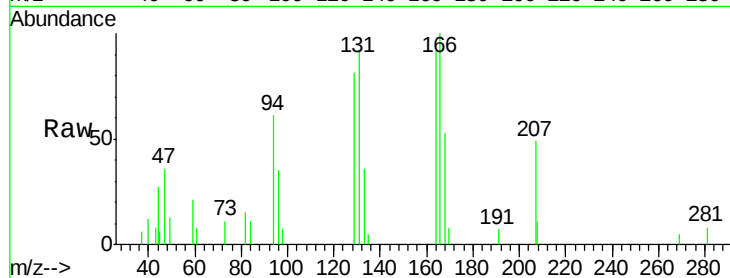
Ion Ratio Lower Upper

164 100

166 108.6 96.7 145.1

129 87.6 82.8 124.2

131 99.7 77.0 115.4

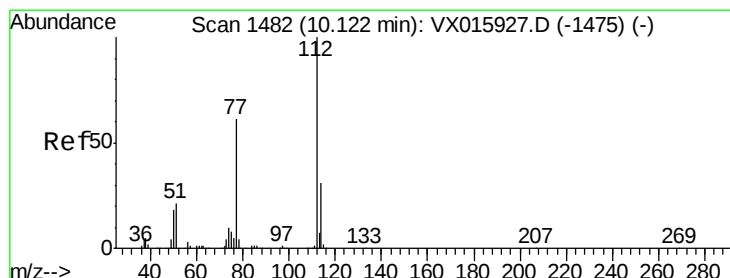
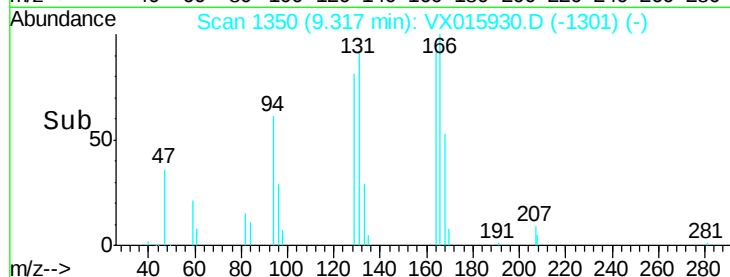
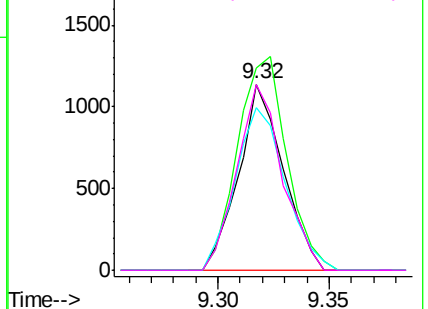


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.507 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015930.D

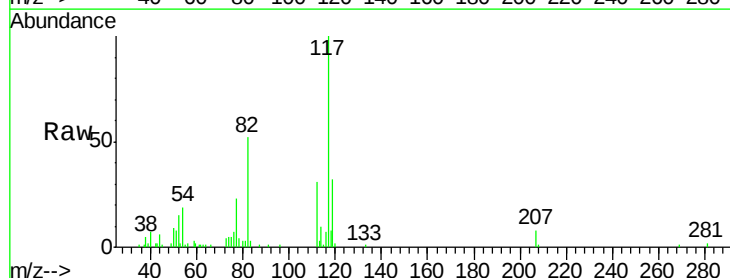
Acq: 24 Apr 2020 13:22

Tgt Ion:112 Resp: 2571

Ion Ratio Lower Upper

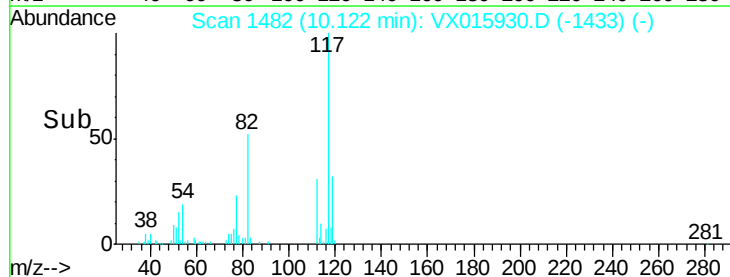
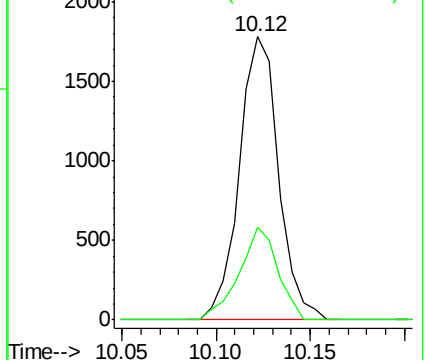
112 100

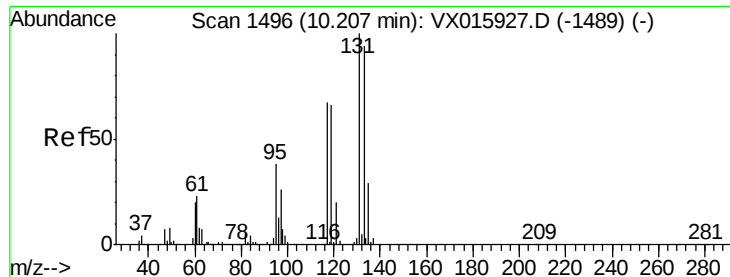
114 32.6 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

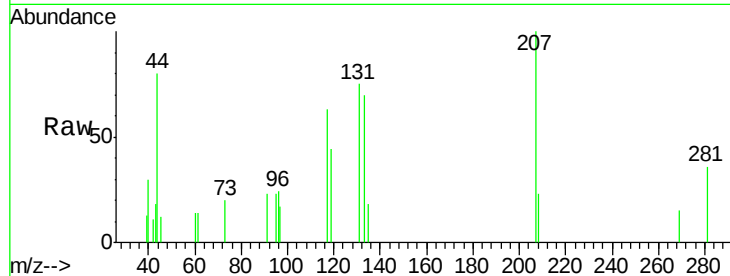




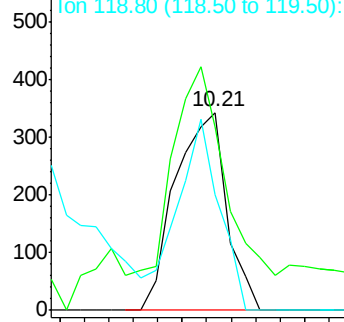
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 0.279 ug/l  
 RT: 10.21 min Scan# 1497  
 Delta R.T. 0.01 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MB

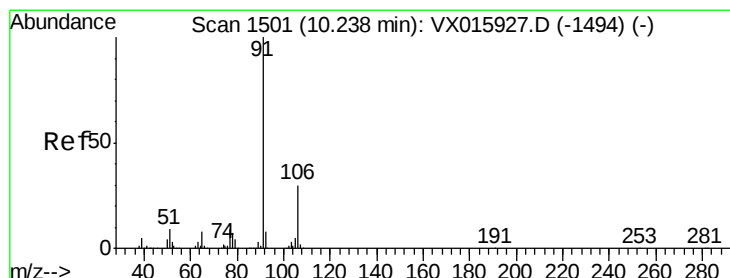
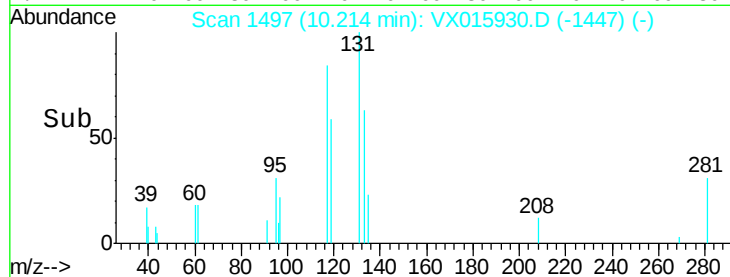
Tot Ion:131 Resp: 502  
 Ion Ratio Lower Upper  
 131 100  
 133 111.6 46.7 140.0  
 119 0.0 33.7 101.0#



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

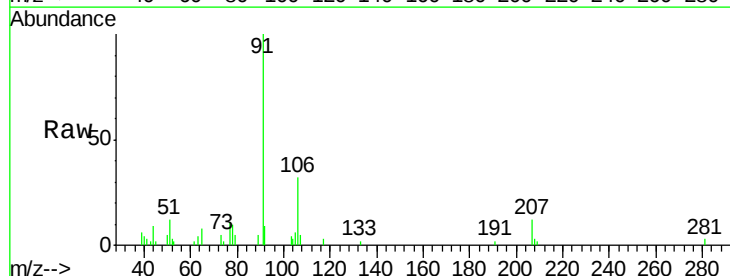


Time-->

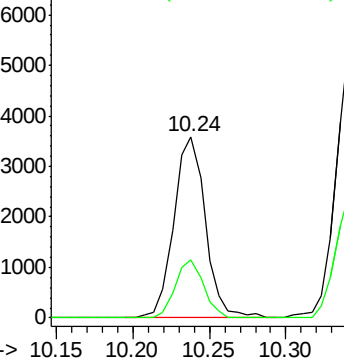


#67  
 Ethyl Benzene  
 Concen: 0.550 ug/l  
 RT: 10.24 min Scan# 1501  
 Delta R.T. 0.00 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

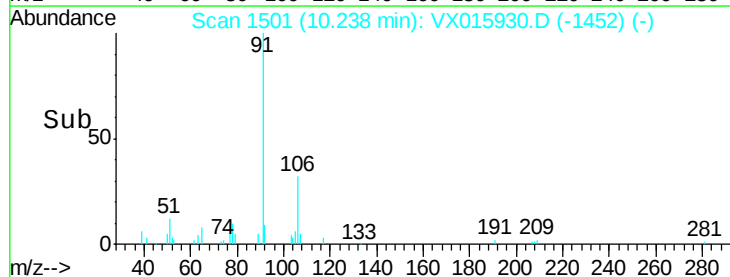
Tgt Ion: 91 Resp: 5144  
 Ion Ratio Lower Upper  
 91 100  
 106 32.2 24.2 36.4

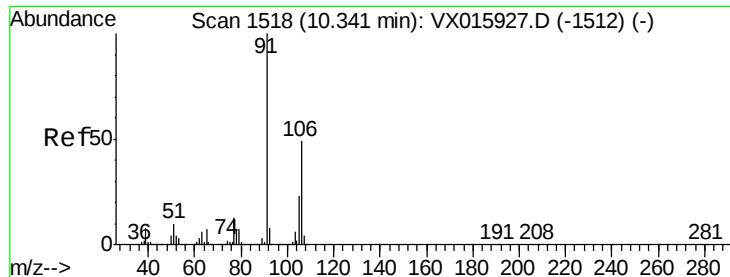


Abundance Ion 91.00 (90.70 to 91.70): VX0  
 Ion 106.00 (105.70 to 106.70): V



Time-->





#68

m/p-Xylenes

Concen: 1.081 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

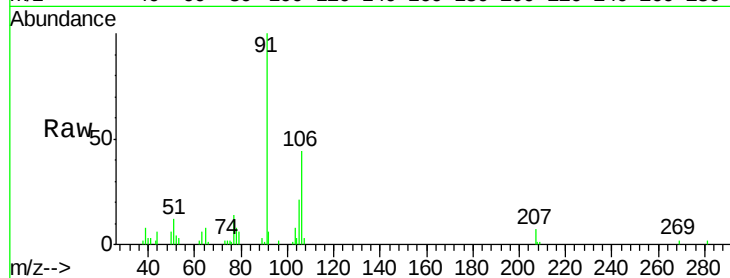
MB

Tot Ion:106 Resp: 3700

Ion Ratio Lower Upper

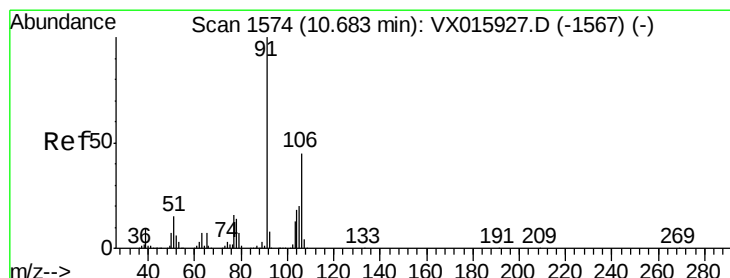
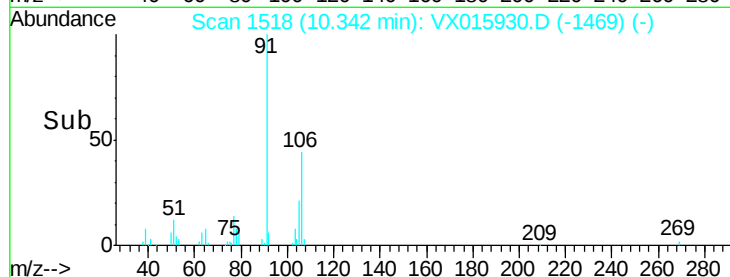
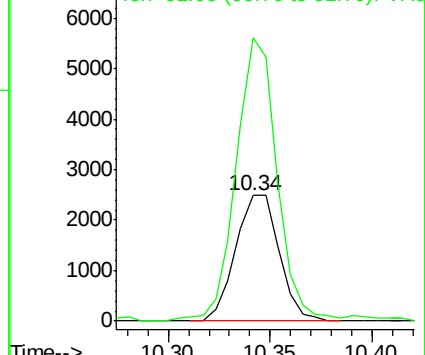
106 100

91 214.5 164.9 247.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.458 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX015930.D

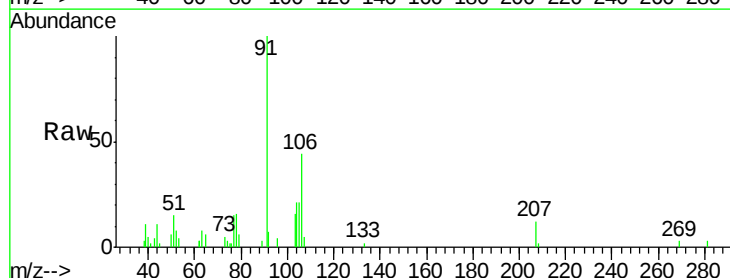
Acq: 24 Apr 2020 13:22

Tgt Ion:106 Resp: 1530

Ion Ratio Lower Upper

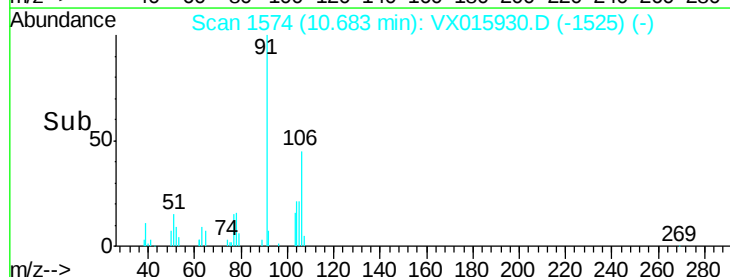
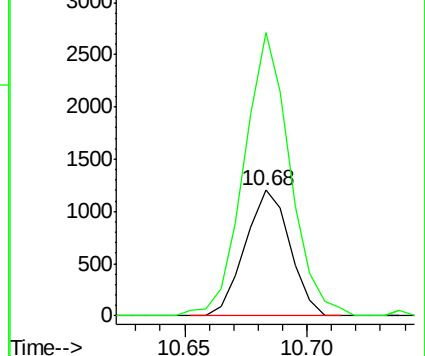
106 100

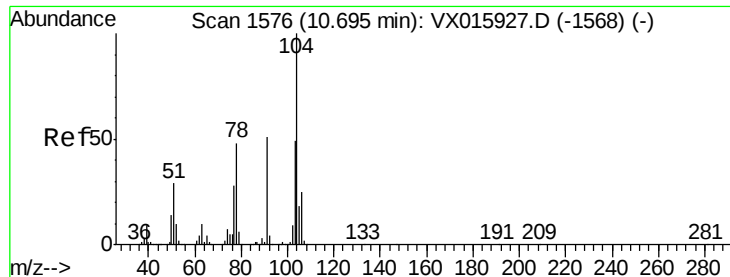
91 232.6 108.6 325.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 0.504 ug/l

RT: 10.70 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

MB

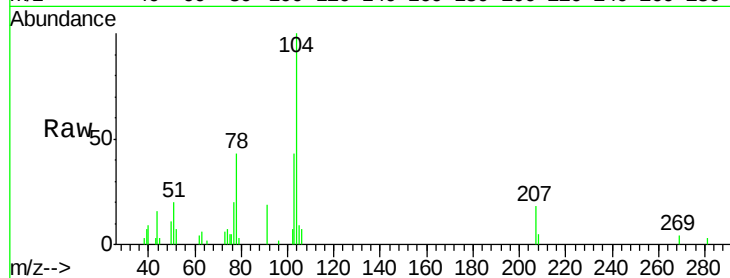
Tot Ion:104 Resp: 2904

Ion Ratio Lower Upper

104 100

78 54.4 40.5 60.7

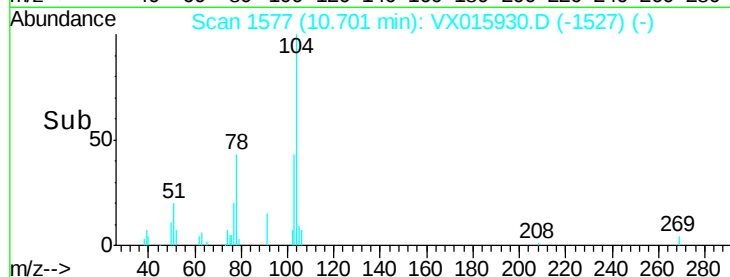
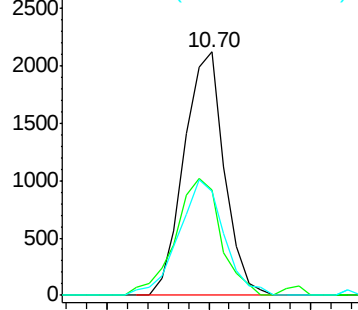
103 53.5 42.7 64.1



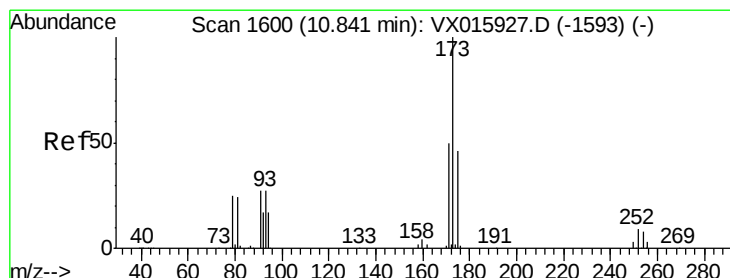
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#71

Bromoform

Concen: 2.589 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

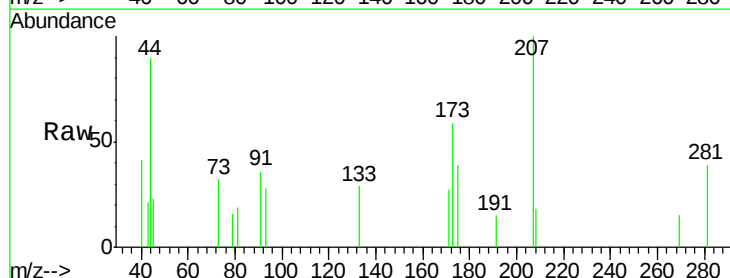
Tgt Ion:173 Resp: 281

Ion Ratio Lower Upper

173 100

175 61.2 23.2 69.5

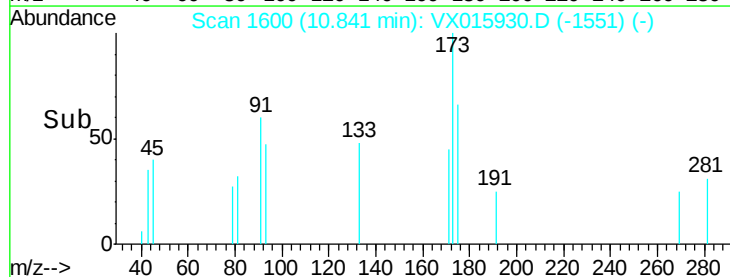
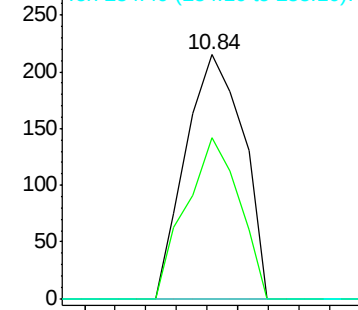
254 0.0 0.1 0.1#

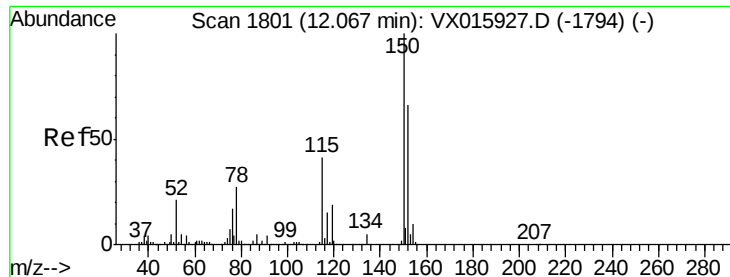


Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.07 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

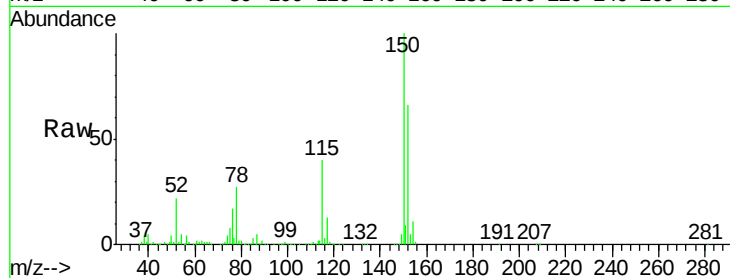
Tot Ion:152 Resp: 122643

Ion Ratio Lower Upper

152 100

115 65.3 44.1 132.4

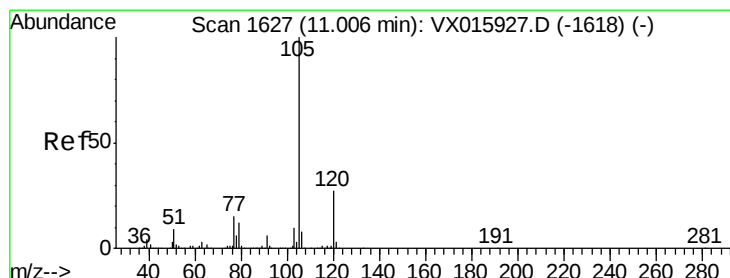
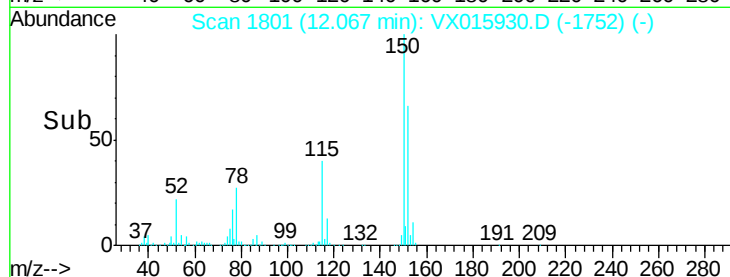
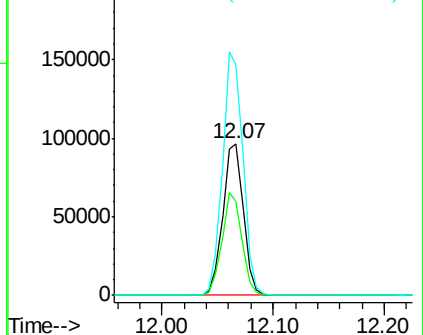
150 159.9 0.0 343.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.617 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015930.D

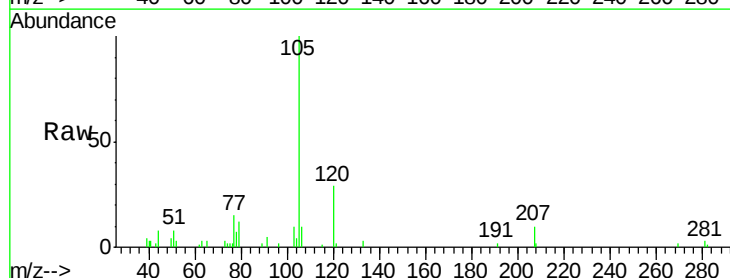
Acq: 24 Apr 2020 13:22

Tgt Ion:105 Resp: 5627

Ion Ratio Lower Upper

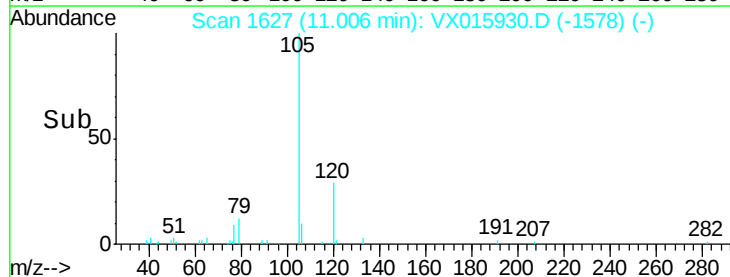
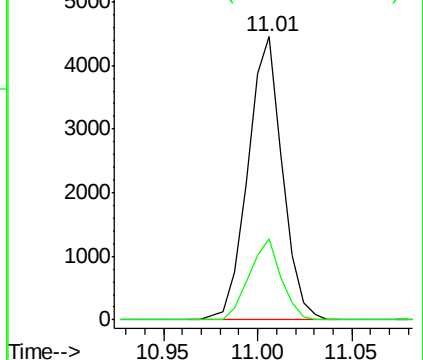
105 100

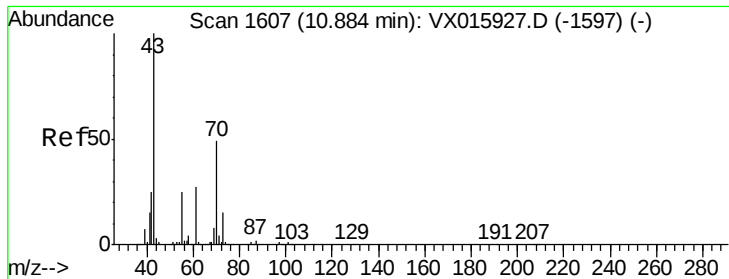
120 26.3 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.358 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

Tot Ion: 43 Resp: 1417

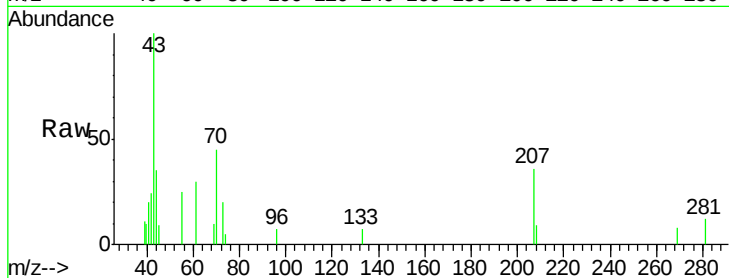
Ion Ratio Lower Upper

43 100

70 46.7 37.8 56.6

55 28.2 20.2 30.2

61 26.0 21.6 32.4

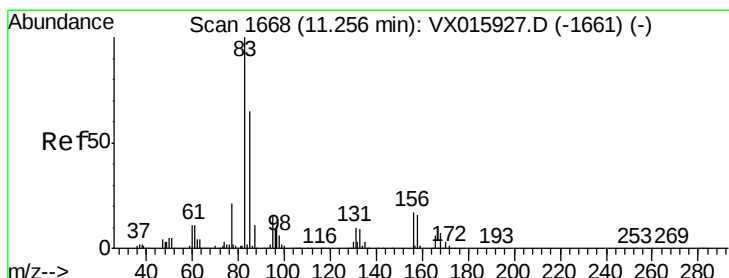
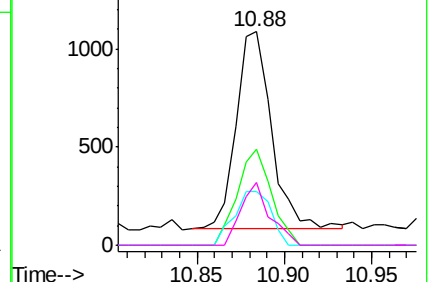
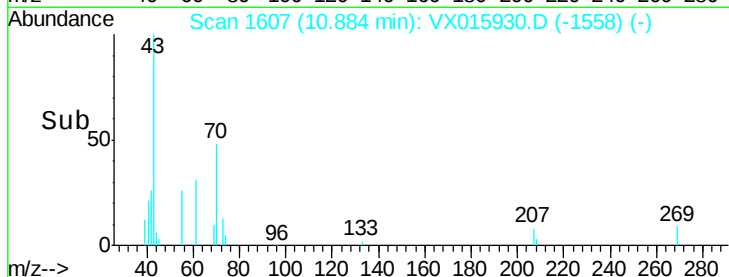


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.272 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

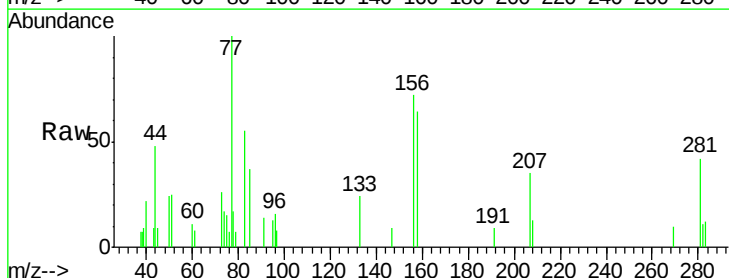
Tgt Ion: 83 Resp: 560

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

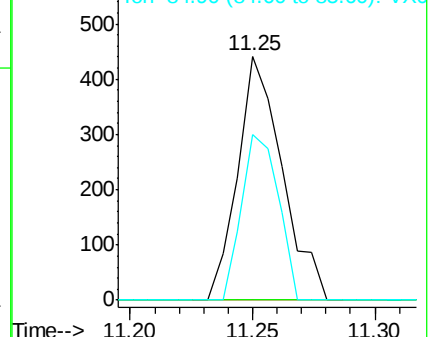
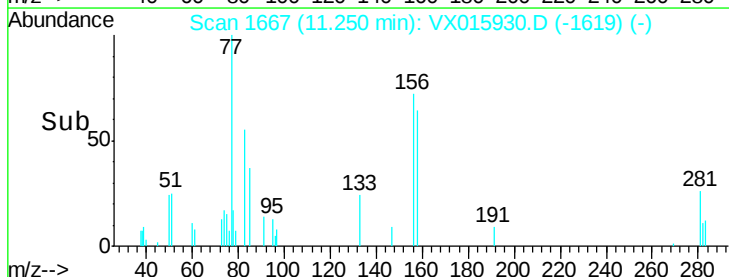
85 55.7 32.1 96.3

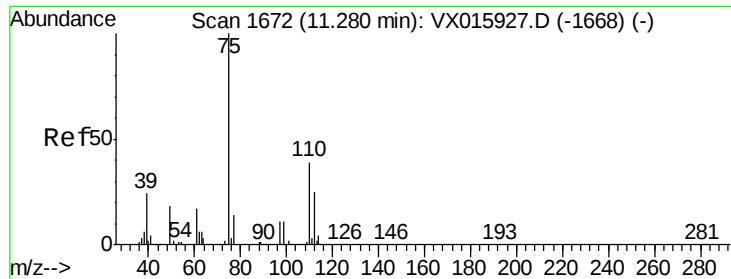


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 26.176 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

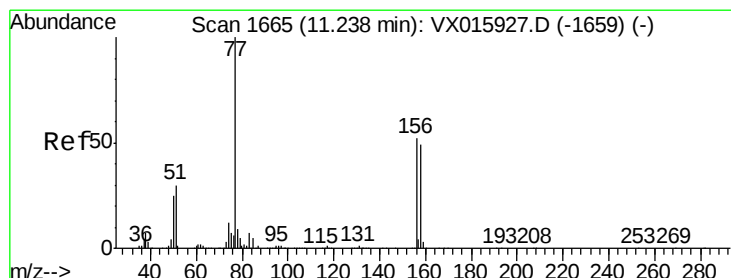
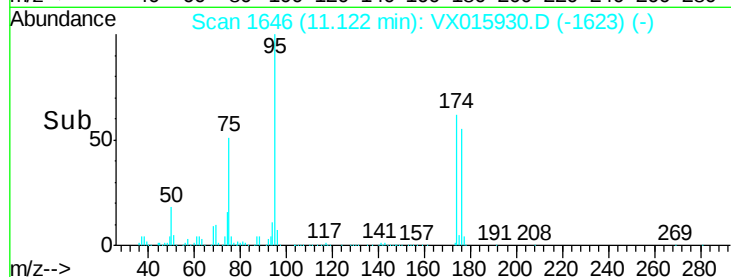
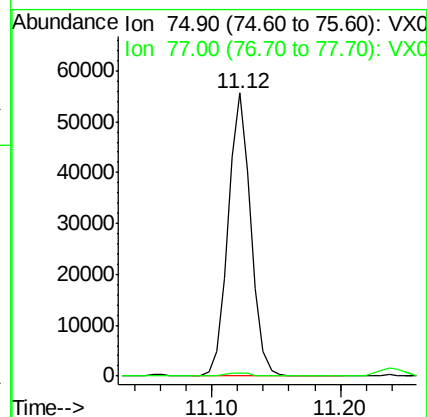
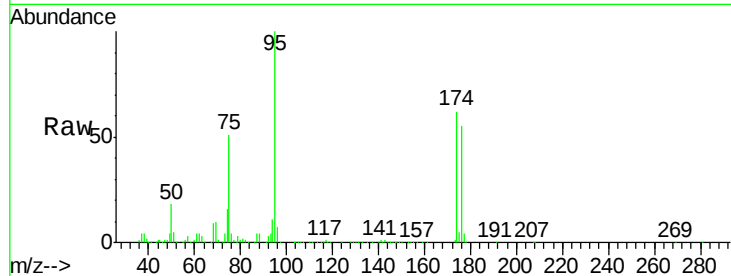
MB

Tot Ion: 75 Resp: 68863

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.5#



#77

Bromobenzene

Concen: 0.535 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

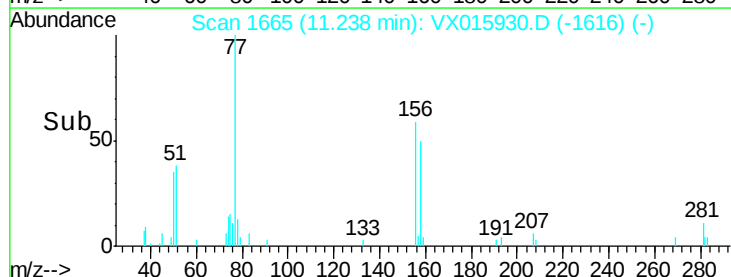
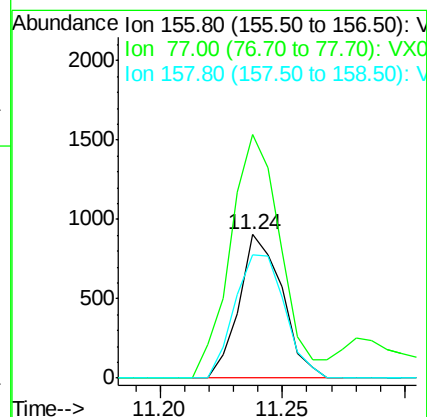
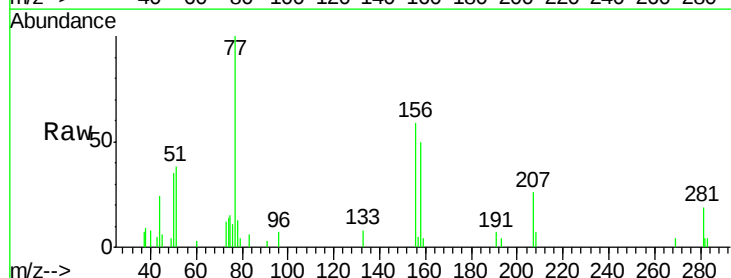
Tgt Ion: 156 Resp: 1107

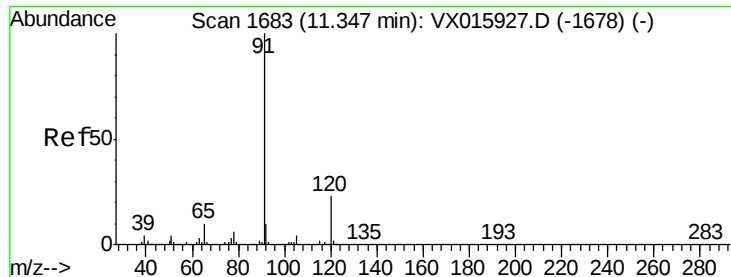
Ion Ratio Lower Upper

156 100

77 199.9 94.0 281.9

158 99.5 48.6 145.9

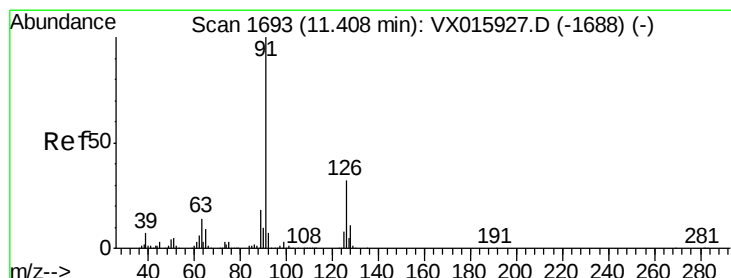
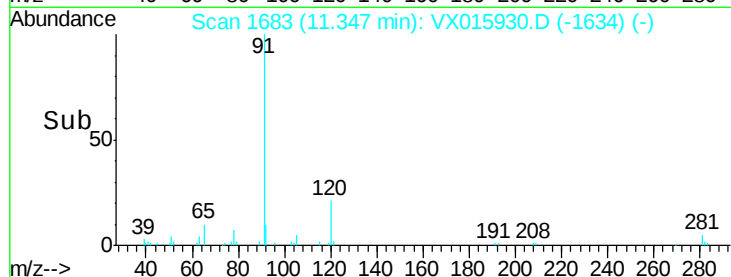
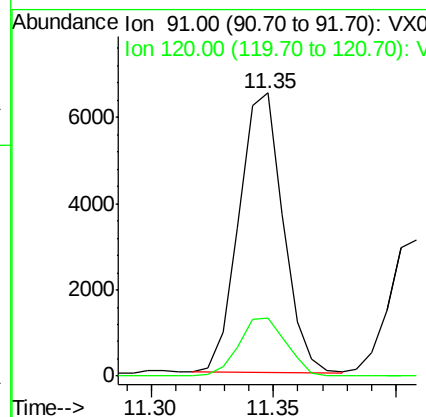
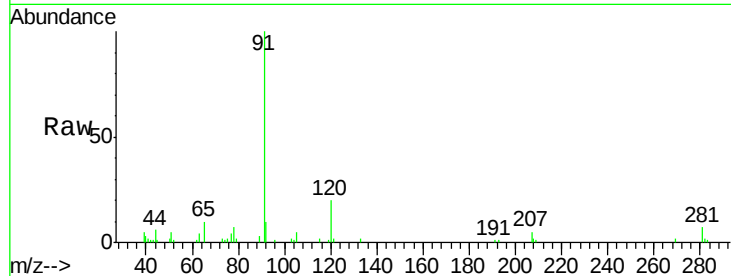




#78  
n-propylbenzene  
Concen: 0.760 ug/l  
RT: 11.35 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

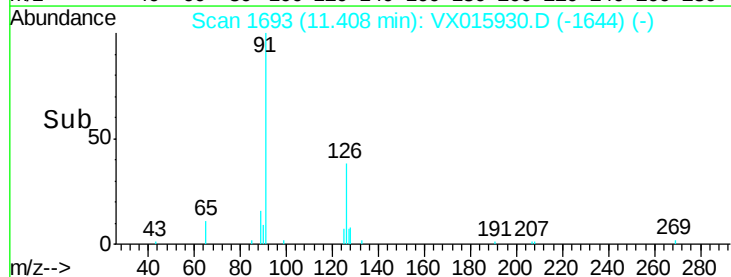
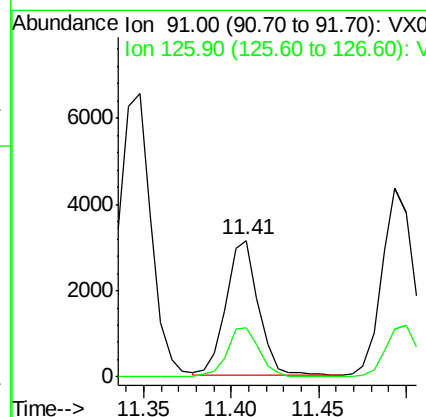
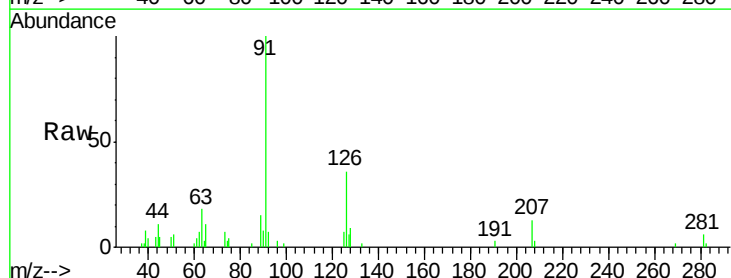
Instrument :  
MSVOA\_X  
ClientSampled :  
MB

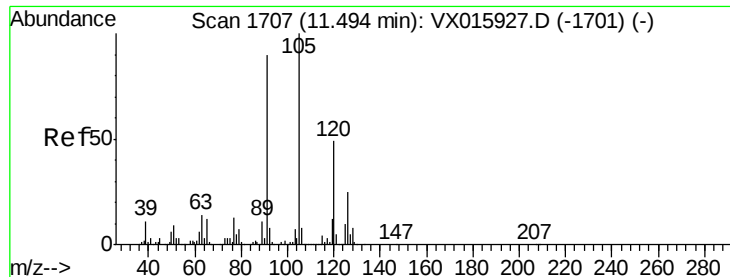
Tot Ion: 91 Resp: 8184  
Ion Ratio Lower Upper  
91 100  
120 22.3 11.2 33.6



#79  
2-Chlorotoluene  
Concen: 0.632 ug/l  
RT: 11.41 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VX015930.D  
Acq: 24 Apr 2020 13:22

Tgt Ion: 91 Resp: 4008  
Ion Ratio Lower Upper  
91 100  
126 36.4 15.8 47.3





#80

1,3,5-Trimethylbenzene

Concen: 0.663 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

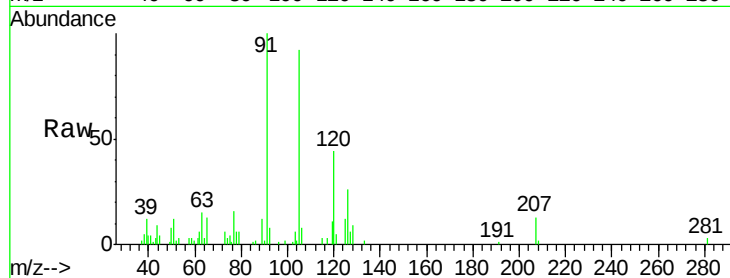
MB

Tot Ion:105 Resp: 5141

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

4000

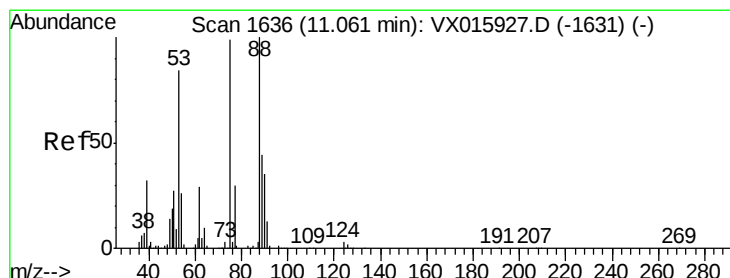
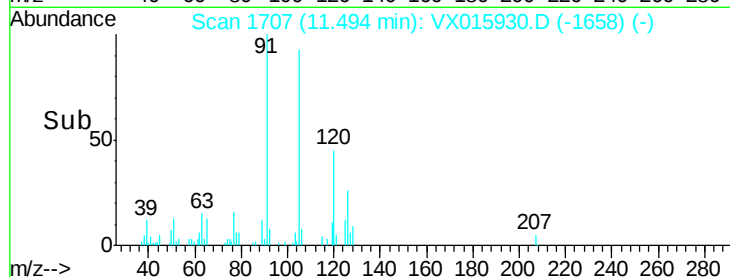
3000

2000

1000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.964 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

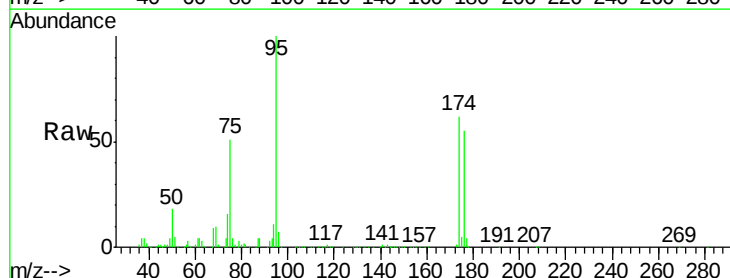
Tgt Ion: 75 Resp: 68863

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.12

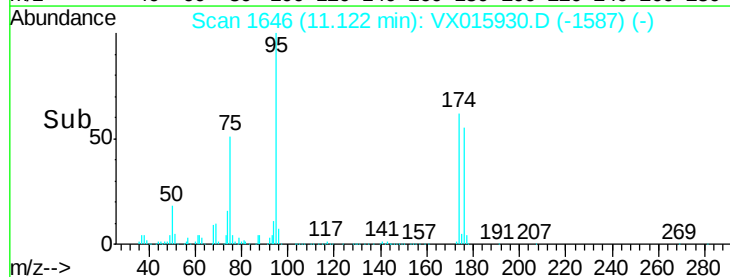
60000

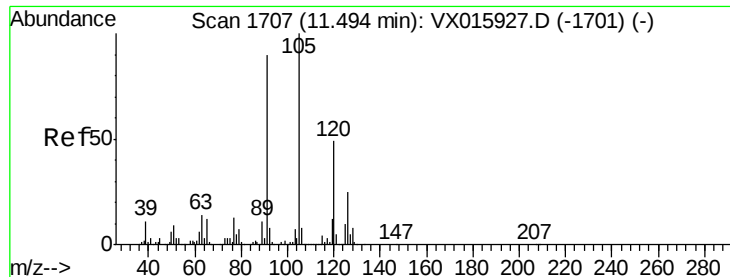
40000

20000

0

Time-->





#82

4-Chlorotoluene

Concen: 0.739 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

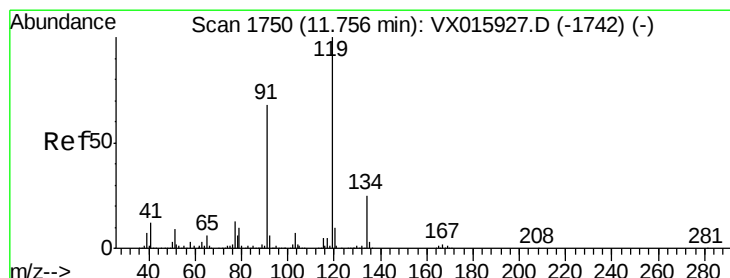
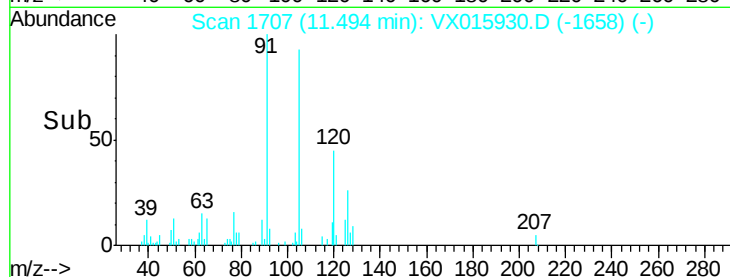
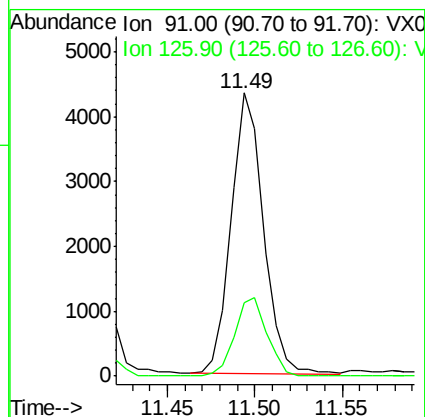
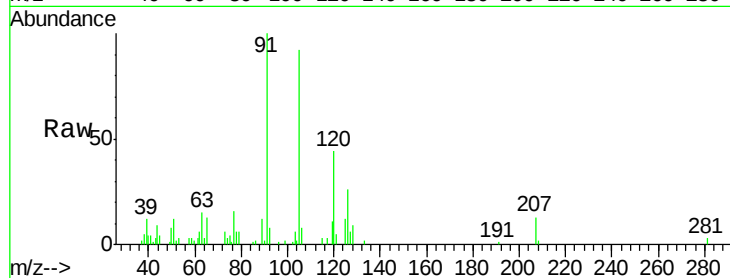
MB

Tot Ion: 91 Resp: 5597

Ion Ratio Lower Upper

91 100

126 27.7 14.2 42.8



#83

tert-Butylbenzene

Concen: 0.748 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

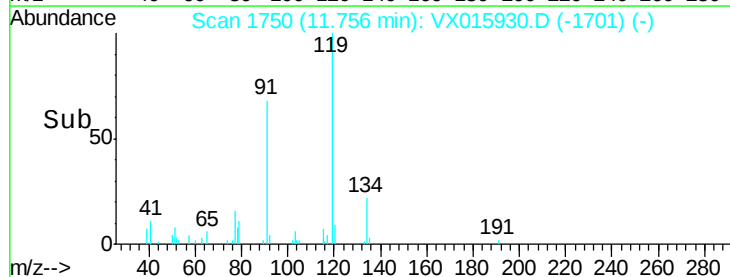
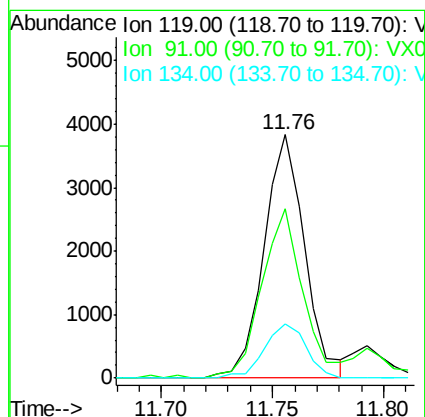
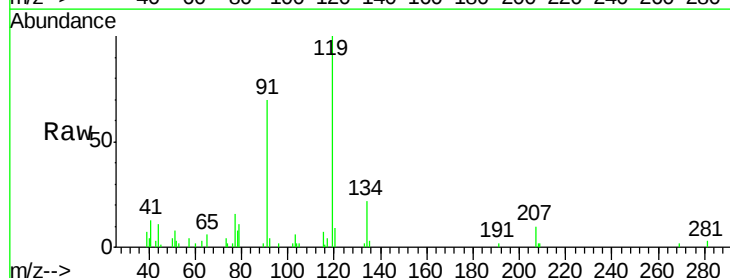
Tgt Ion: 119 Resp: 4875

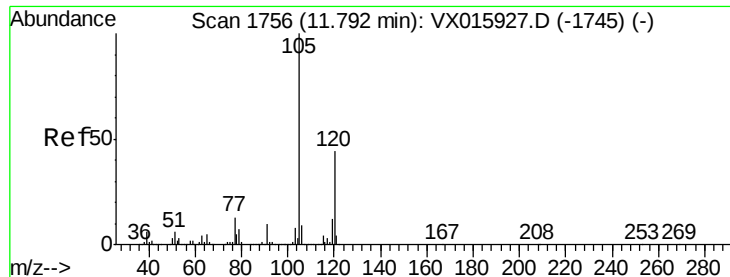
Ion Ratio Lower Upper

119 100

91 70.6 34.3 102.8

134 22.9 12.1 36.3





#84

1,2,4-Trimethylbenzene

Concen: 0.703 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

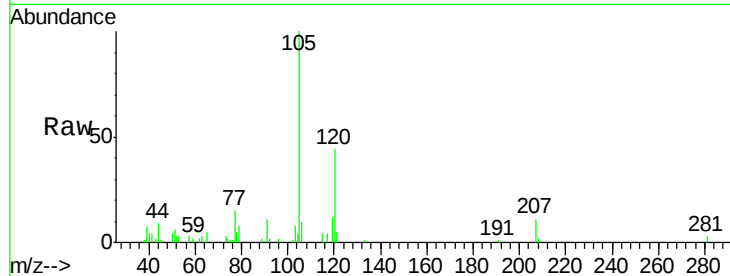
MB

Tot Ion:105 Resp: 5583

Ion Ratio Lower Upper

105 100

120 40.1 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

4000

3000

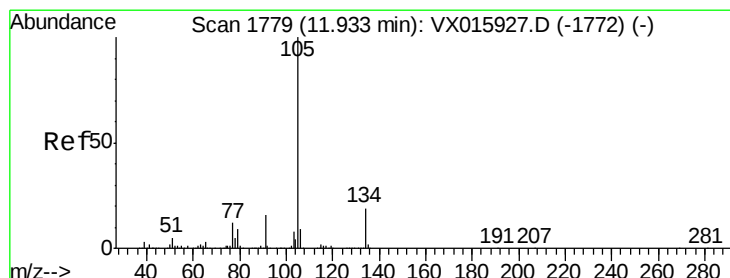
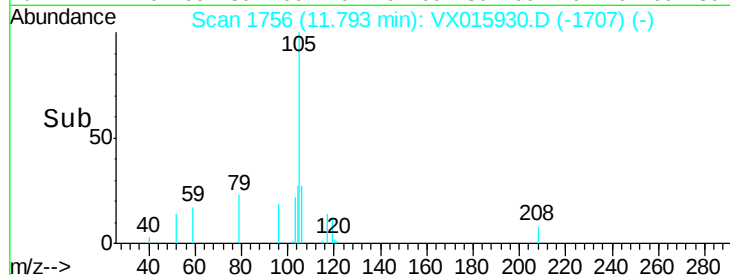
2000

1000

0

11.75 11.80 11.85

Time-->



#85

sec-Butylbenzene

Concen: 0.881 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015930.D

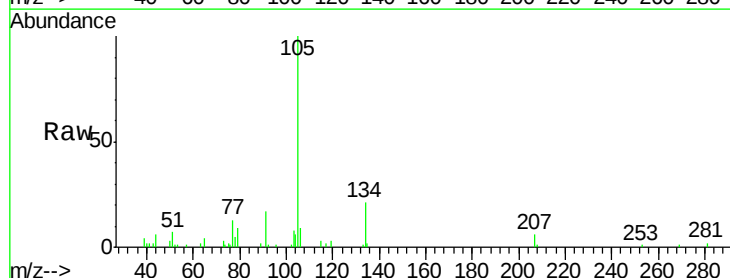
Acq: 24 Apr 2020 13:22

Tgt Ion:105 Resp: 7856

Ion Ratio Lower Upper

105 100

134 20.4 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

6000

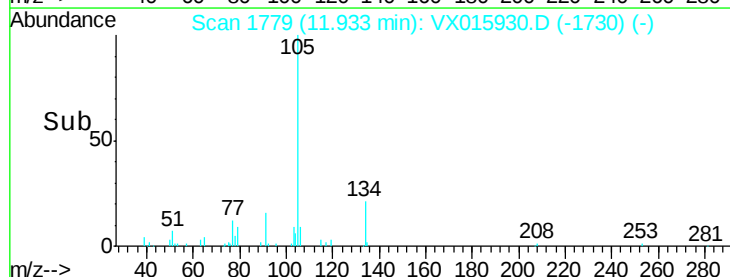
4000

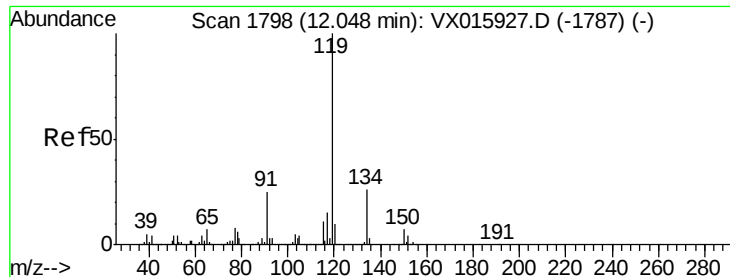
2000

0

11.85 11.90 11.95 12.00

Time-->

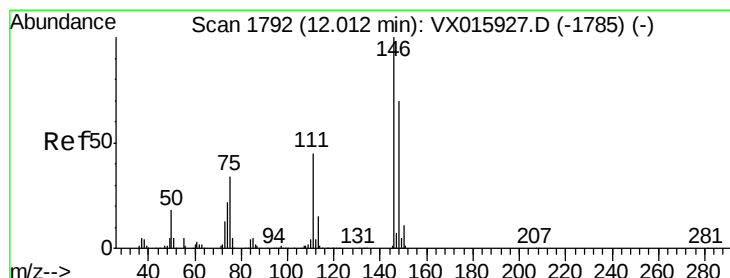
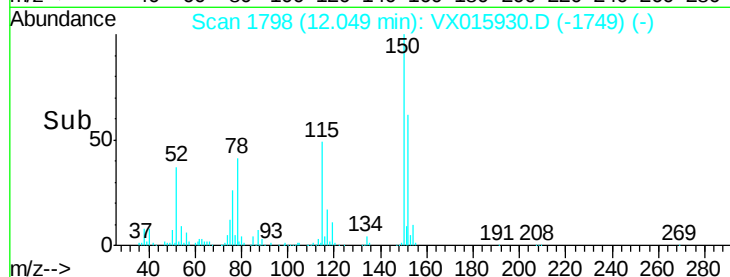
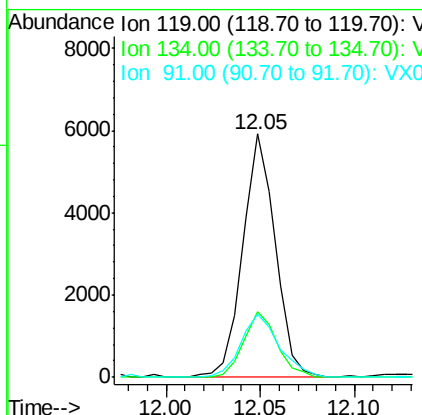
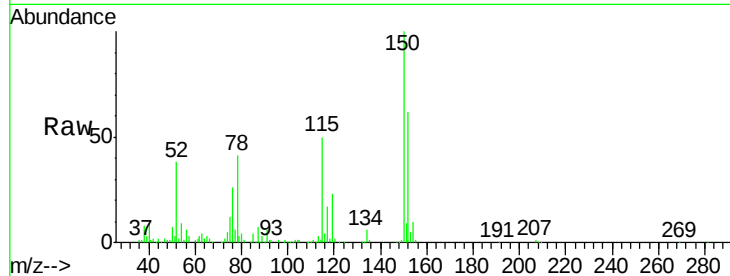




#86  
 p-Isopropyltoluene  
 Concen: 0.869 ug/l  
 RT: 12.05 min Scan# 1798  
 Delta R.T. 0.00 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

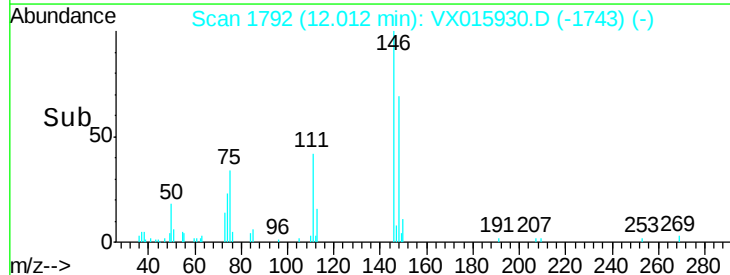
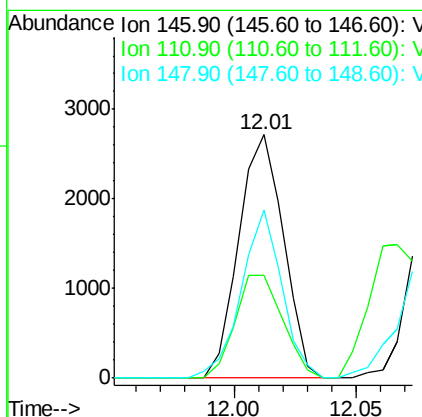
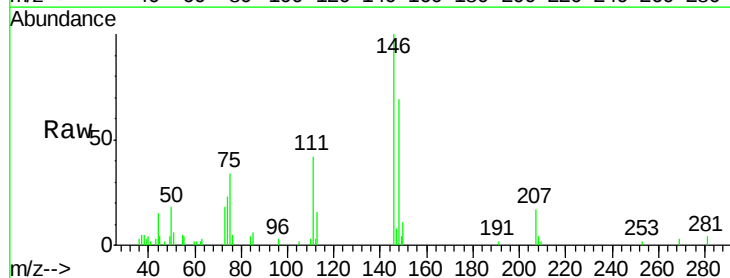
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MB

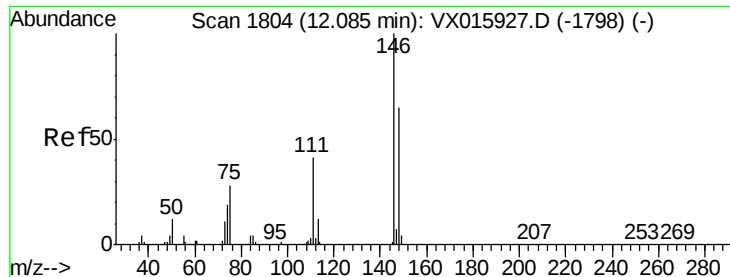
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.5  | 12.6  | 37.8  |
| 91      | 30.8  | 12.2  | 36.6  |



#87  
 1,3-Dichlorobenzene  
 Concen: 0.910 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.2  | 22.2  | 66.6  |
| 148     | 62.6  | 32.8  | 98.4  |

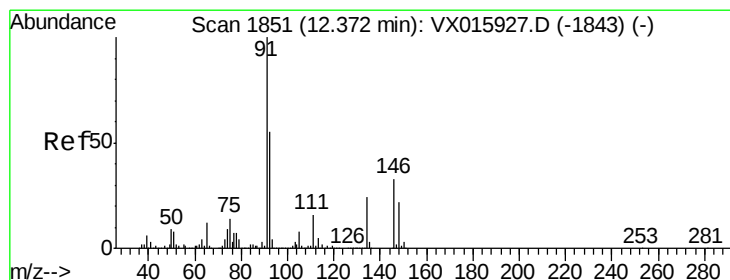
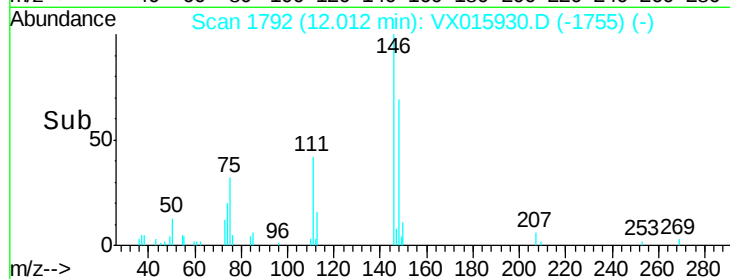
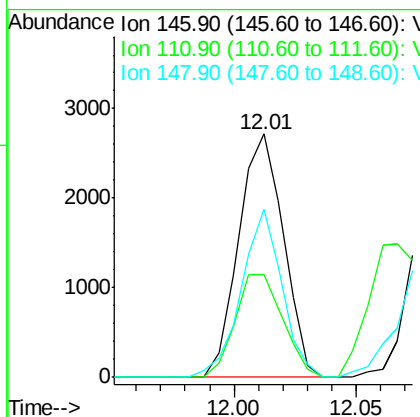
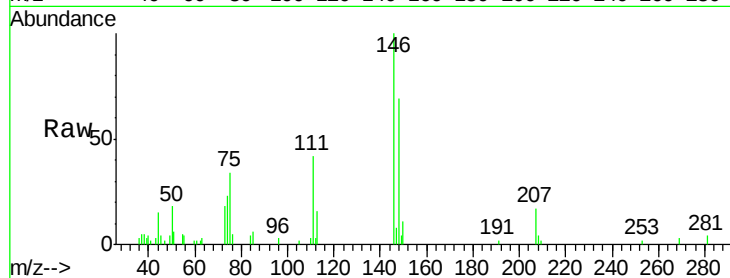




#88  
 1,4-Dichlorobenzene  
 Concen: 0.884 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. -0.07 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

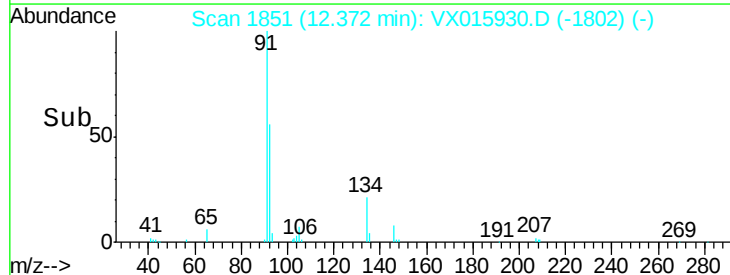
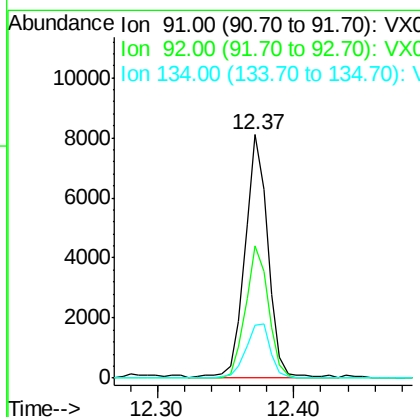
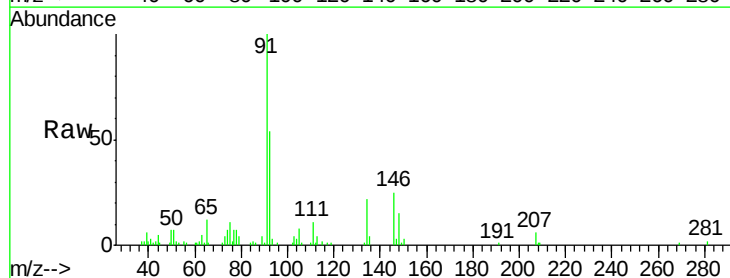
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MB

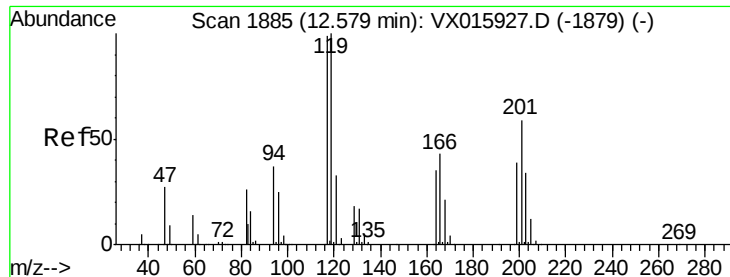
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.2  | 21.6  | 64.6  |
| 148     | 62.6  | 32.3  | 96.8  |



#89  
 n-Butylbenzene  
 Concen: 1.249 ug/l  
 RT: 12.37 min Scan# 1851  
 Delta R.T. 0.00 min  
 Lab File: VX015930.D  
 Acq: 24 Apr 2020 13:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.4  | 27.3  | 81.9  |
| 134     | 23.7  | 12.2  | 36.4  |





#90

Hexachloroethane

Concen: 0.775 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampled :

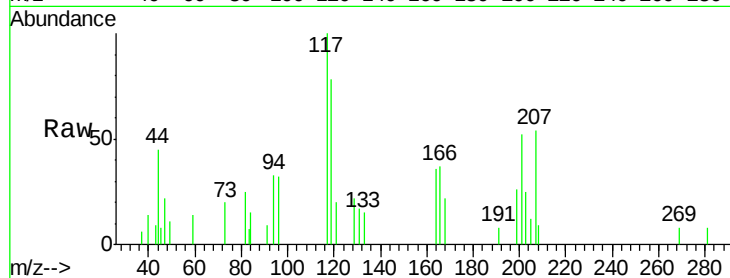
MB

Tot Ion:117 Resp: 984

Ion Ratio Lower Upper

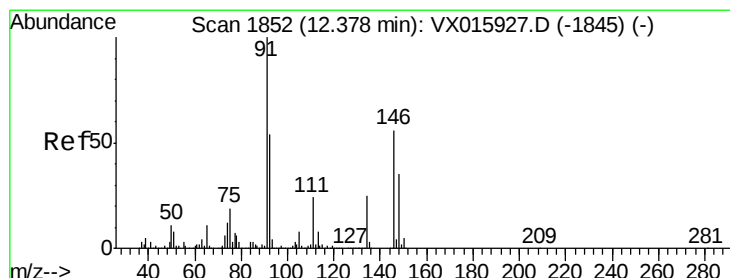
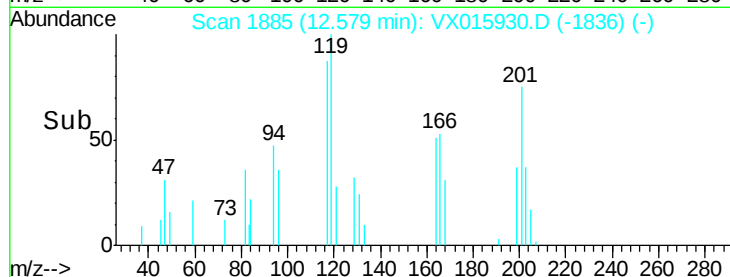
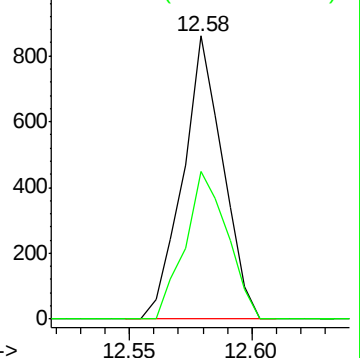
117 100

201 55.1 32.1 96.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.790 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

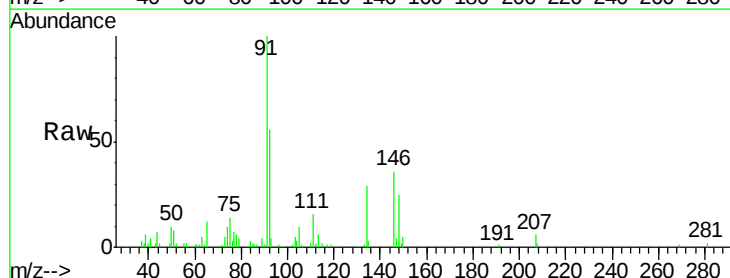
Tgt Ion:146 Resp: 2918

Ion Ratio Lower Upper

146 100

111 46.1 22.3 66.8

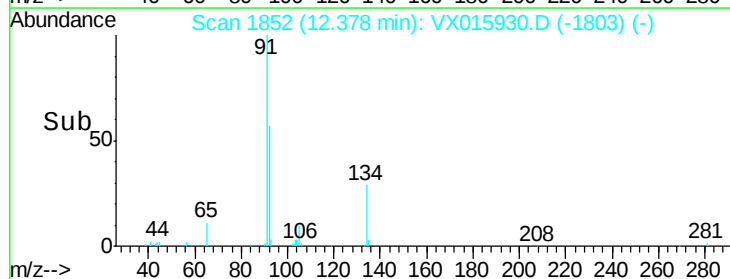
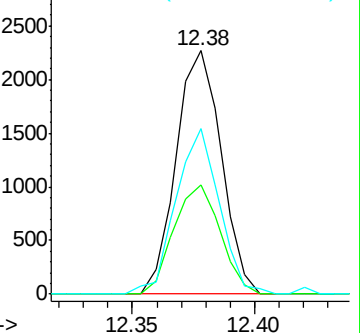
148 65.5 31.4 94.2

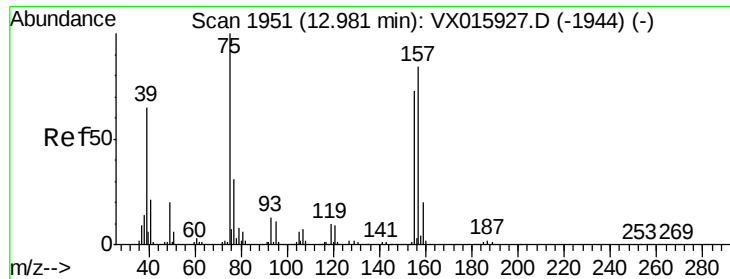


Abundance Ion 145.90 (145.60 to 146.60): V

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: 0.621 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

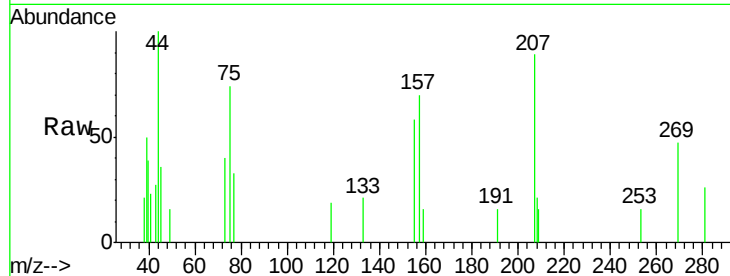
Tot Ion: 75 Resp: 407

Ion Ratio Lower Upper

75 100

155 55.0 37.9 113.6

157 75.7 47.9 143.8



Abundance Ion 74.90 (74.60 to 75.60): VX015927.D (-1944) (-)

Ion 154.80 (154.50 to 155.50): VX015927.D (-1944) (-)

Ion 156.80 (156.50 to 157.50): VX015927.D (-1944) (-)

12.98

300

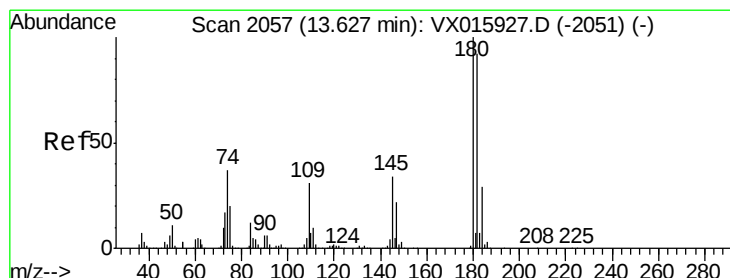
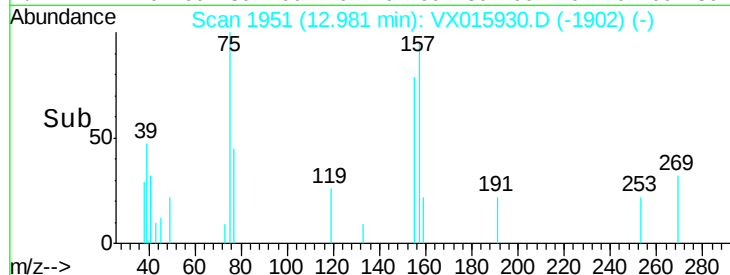
200

100

0

12.95 13.00

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.668 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

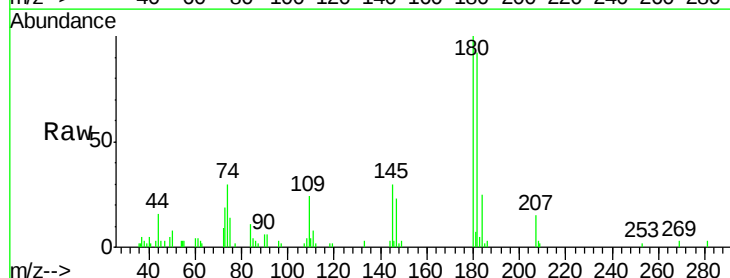
Tgt Ion: 180 Resp: 3972

Ion Ratio Lower Upper

180 100

182 100.9 47.6 142.9

145 35.7 17.3 52.0



Abundance Ion 179.80 (179.50 to 180.50): VX015927.D (-2051) (-)

Ion 181.80 (181.50 to 182.50): VX015927.D (-2051) (-)

Ion 144.80 (144.50 to 145.50): VX015927.D (-2051) (-)

13.63

4000

3000

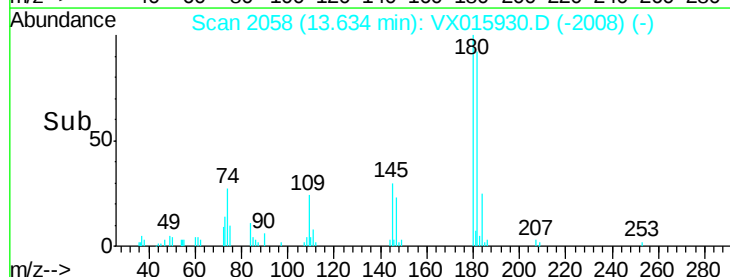
2000

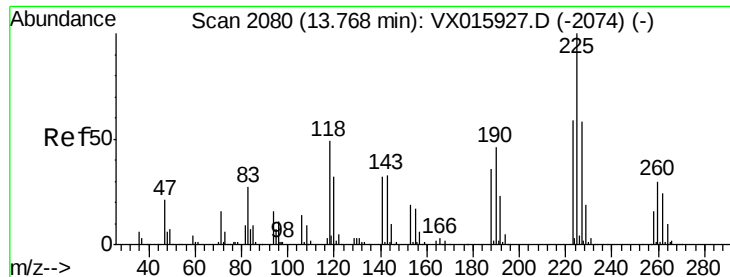
1000

0

13.55 13.60 13.65

Time-->





#94

Hexachlorobutadiene

Concen: 3.343 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

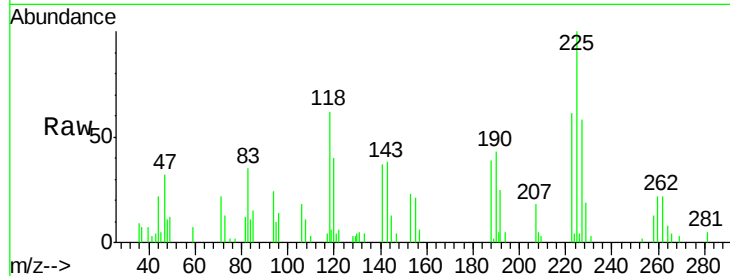
Tot Ion:225 Resp: 2822

Ion Ratio Lower Upper

225 100

223 64.2 30.6 91.6

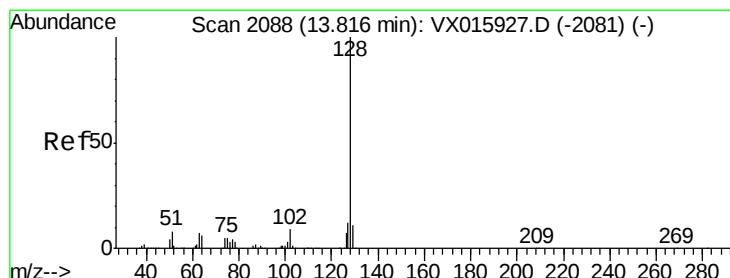
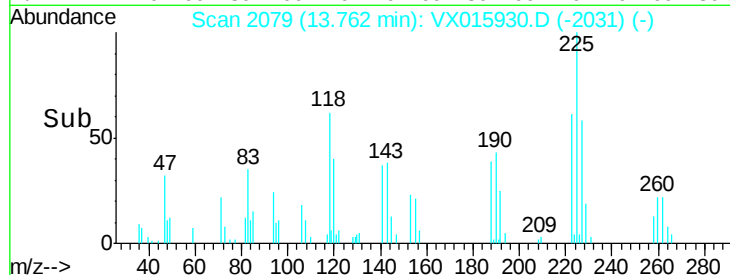
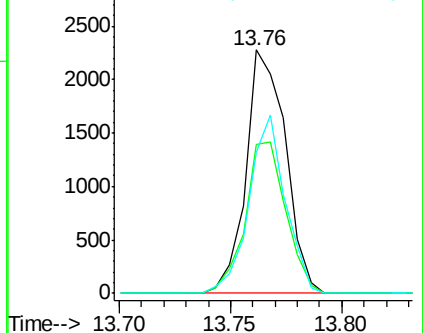
227 66.9 32.0 96.2



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: 1.423 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

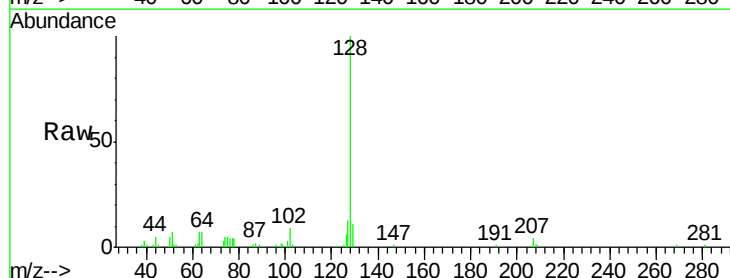
Tgt Ion:128 Resp: 12325

Ion Ratio Lower Upper

128 100

127 12.0 10.1 15.1

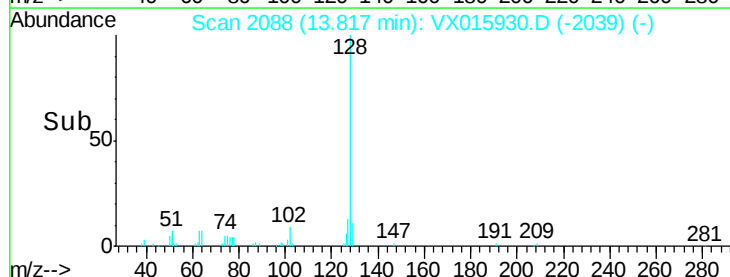
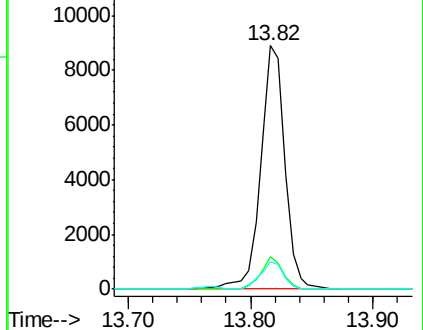
129 10.5 8.7 13.1

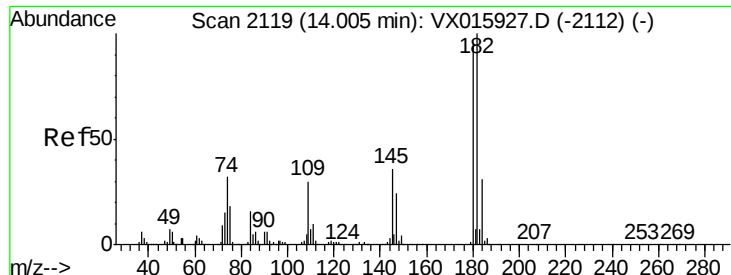


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.986 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX015930.D

Acq: 24 Apr 2020 13:22

Instrument :

MSVOA\_X

ClientSampleId :

MB

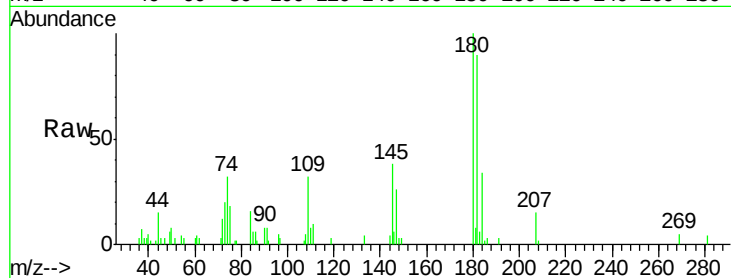
Tot Ion:180 Resp: 4474

Ion Ratio Lower Upper

180 100

182 90.4 50.1 150.3

145 36.9 18.9 56.9



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

