

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\  
 Data File : VX017308.D  
 Acq On : 09 Jul 2020 15:26  
 Operator : JC/SP  
 Sample : VX0709WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

Quant Time: Jul 10 06:38:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 09 12:25:06 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 4.98  | 128  | 52811    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.83  | 114  | 273182   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.10 | 117  | 257893   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.03   | 65    | 113267   | 29.84    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 99.47%  |
| 60) 4-Bromofluorobenzene  | 11.12  | 95    | 128010   | 29.10    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.00%  |
| 63) Toluene-d8            | 8.70   | 98    | 333096   | 30.53    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 101.77% |

## Target Compounds

|                               |      |     |        |        | Ovalue    |
|-------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 45000  | 19.493 | ug/l 96   |
| 3) Chloromethane              | 1.31 | 50  | 48021  | 19.525 | ug/l 99   |
| 4) Vinyl Chloride             | 1.39 | 62  | 49794  | 19.649 | ug/l 99   |
| 5) Bromomethane               | 1.64 | 94  | 33493  | 19.829 | ug/l 96   |
| 6) Chloroethane               | 1.72 | 64  | 32308  | 19.281 | ug/l 99   |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 85862  | 19.073 | ug/l 97   |
| 8) Diethyl Ether              | 2.17 | 74  | 30822  | 19.299 | ug/l 98   |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 49701  | 20.191 | ug/l 98   |
| 10) 1,1-Dichloroethene        | 2.36 | 96  | 49121  | 20.241 | ug/l 98   |
| 11) Methyl Iodide             | 2.50 | 142 | 48497  | 16.971 | ug/l 99   |
| 12) Methyl Acetate            | 2.75 | 43  | 66520  | 19.672 | ug/l 97   |
| 13) Acrolein                  | 2.27 | 56  | 39369  | 90.031 | ug/l 99   |
| 14) Acrylonitrile             | 3.12 | 53  | 146107 | 95.764 | ug/l 99   |
| 15) Acetone                   | 2.42 | 58  | 37438  | 97.298 | ug/l 86   |
| 16) Carbon Disulfide          | 2.55 | 76  | 130045 | 19.756 | ug/l 100  |
| 17) Allyl chloride            | 2.71 | 41  | 83740  | 18.548 | ug/l 96   |
| 18) Methylene Chloride        | 2.84 | 84  | 56353  | 18.853 | ug/l 93   |
| 19) trans-1,2-Dichloroethene  | 3.14 | 96  | 54093  | 19.064 | ug/l 97   |
| 20) Diisopropyl ether         | 3.82 | 45  | 173549 | 19.227 | ug/l 96   |
| 21) 1,1-Dichloroethane        | 3.67 | 63  | 96490  | 19.072 | ug/l 95   |
| 22) cis-1,2-Dichloroethene    | 4.56 | 96  | 61676  | 19.052 | ug/l 98   |
| 23) tert-Butyl Alcohol        | 3.01 | 59  | 59023  | 93.753 | ug/l # 99 |
| 24) Methyl tert-Butyl Ether   | 3.17 | 73  | 176343 | 19.033 | ug/l 100  |
| 25) Chloroform                | 5.18 | 83  | 102582 | 19.029 | ug/l 96   |
| 26) Cyclohexane               | 5.55 | 56  | 77012  | 19.538 | ug/l # 99 |
| 29) 1,1-Dichloropropene       | 5.77 | 75  | 73171  | 19.423 | ug/l 98   |
| 30) 2-Butanone                | 4.64 | 43  | 199957 | 97.041 | ug/l 99   |
| 31) 2,2-Dichloropropane       | 4.55 | 77  | 88109  | 18.669 | ug/l 99   |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 94287  | 19.224 | ug/l 98   |
| 33) Carbon Tetrachloride      | 5.75 | 117 | 87119  | 19.262 | ug/l 95   |
| 34) Benzene                   | 6.12 | 78  | 216252 | 19.292 | ug/l 96   |
| 35) Methacrylonitrile         | 5.01 | 41  | 45439  | 19.696 | ug/l 98   |
| 36) 1,2-Dichloroethane        | 6.17 | 62  | 84370  | 19.112 | ug/l 99   |
| 37) Trichloroethene           | 7.19 | 130 | 63382  | 18.799 | ug/l 97   |
| 38) Methylcyclohexane         | 7.44 | 83  | 76770  | 19.339 | ug/l 99   |
| 39) 1,2-Dichloropropane       | 7.49 | 63  | 55524  | 18.956 | ug/l 99   |
| 40) Dibromomethane            | 7.63 | 93  | 39805  | 18.864 | ug/l 98   |

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 Sample : VX0709WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

Quant Time: Jul 10 06:38:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 09 12:25:06 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 7.87  | 83   | 82542    | 18.743  | ug/l  | 97       |
| 42) Vinyl Acetate              | 3.79  | 43   | 748622   | 95.069  | ug/l  | 100      |
| 43) Ethyl Acetate              | 4.80  | 43   | 74639    | 18.415  | ug/l  | 98       |
| 44) Isopropyl Acetate          | 6.42  | 43   | 124058   | 18.396  | ug/l  | 98       |
| 45) 1,4-Dioxane                | 7.71  | 88   | 23835    | 370.801 | ug/l  | 96       |
| 46) Methyl methacrylate        | 7.75  | 41   | 60856    | 18.525  | ug/l  | 96       |
| 47) n-amyl Acetate             | 10.88 | 43   | 109137   | 18.277  | ug/l  | 99       |
| 48) t-1,3-Dichloropropene      | 9.02  | 75   | 88655    | 18.236  | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene    | 8.42  | 75   | 95501    | 18.773  | ug/l  | 95       |
| 50) 1,1,2-Trichloroethane      | 9.20  | 97   | 58370    | 18.672  | ug/l  | 99       |
| 51) Ethyl methacrylate         | 9.16  | 69   | 82591    | 18.133  | ug/l  | 95       |
| 52) 1,3-Dichloropropane        | 9.35  | 76   | 96709    | 18.992  | ug/l  | 99       |
| 53) Dibromochloromethane       | 9.57  | 129  | 69365    | 18.177  | ug/l  | 97       |
| 54) 1,2-Dibromoethane          | 9.65  | 107  | 61812    | 18.493  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether  | 8.29  | 63   | 229585   | 105.105 | ug/l  | 99       |
| 56) Bromoform                  | 10.84 | 173  | 52818    | 17.743  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone       | 8.62  | 43   | 400712   | 98.061  | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.47  | 43   | 299915   | 96.279  | ug/l  | 98       |
| 61) Tetrachloroethene          | 9.32  | 164  | 64907    | 19.757  | ug/l  | 98       |
| 62) Toluene                    | 8.76  | 91   | 235635   | 19.300  | ug/l  | 100      |
| 64) Chlorobenzene              | 10.12 | 112  | 151978   | 18.658  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 62673    | 18.832  | ug/l  | 97       |
| 66) Ethyl Benzene              | 10.24 | 91   | 256902   | 18.699  | ug/l  | 100      |
| 67) m/p-Xylenes                | 10.34 | 106  | 201910   | 38.041  | ug/l  | 98       |
| 68) o-Xylene                   | 10.68 | 106  | 93834    | 18.604  | ug/l  | 100      |
| 69) Styrene                    | 10.70 | 104  | 166863   | 18.654  | ug/l  | 98       |
| 70) Isopropylbenzene           | 11.00 | 105  | 265173   | 19.165  | ug/l  | 97       |
| 71) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 83289    | 19.195  | ug/l  | 97       |
| 72) 1,2,3-Trichloropropane     | 11.28 | 75   | 105657   | 24.789  | ug/l  | 88       |
| 73) Bromobenzene               | 11.24 | 156  | 72388    | 18.622  | ug/l  | 98       |
| 74) n-propylbenzene            | 11.34 | 91   | 302138   | 18.851  | ug/l  | 99       |
| 75) 2-Chlorotoluene            | 11.40 | 91   | 182316   | 18.659  | ug/l  | 97       |
| 76) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 223091   | 18.794  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene    | 11.06 | 75   | 29911    | 18.404  | ug/l  | 92       |
| 78) 4-Chlorotoluene            | 11.49 | 91   | 216513   | 18.692  | ug/l  | 100      |
| 79) tert-butylbenzene          | 11.76 | 119  | 214472   | 18.620  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 226580   | 18.920  | ug/l  | 99       |
| 81) sec-Butylbenzene           | 11.93 | 105  | 250064   | 18.835  | ug/l  | 100      |
| 82) p-Isopropyltoluene         | 12.05 | 119  | 238300   | 18.982  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene        | 12.01 | 146  | 131602   | 18.812  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene        | 12.08 | 146  | 130302   | 18.408  | ug/l  | 99       |
| 85) n-Butylbenzene             | 12.37 | 91   | 193818   | 18.271  | ug/l  | 99       |
| 86) Hexachloroethane           | 12.58 | 117  | 45935    | 18.914  | ug/l  | 97       |
| 87) 1,2-Dichlorobenzene        | 12.38 | 146  | 125091   | 18.699  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 20402    | 19.406  | ug/l  | 98       |
| 89) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 82154    | 18.107  | ug/l  | 98       |
| 90) Hexachlorobutadiene        | 13.76 | 225  | 33186    | 18.234  | ug/l  | 98       |
| 91) Naphthalene                | 13.82 | 128  | 257154   | 18.487  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 82891    | 18.369  | ug/l  | 98       |

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Data File : VX017308.D  
Acq On : 09 Jul 2020 15:26  
Operator : JC/SP  
Sample : VX0709WBSD01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 13 Sample Multiplier: 1

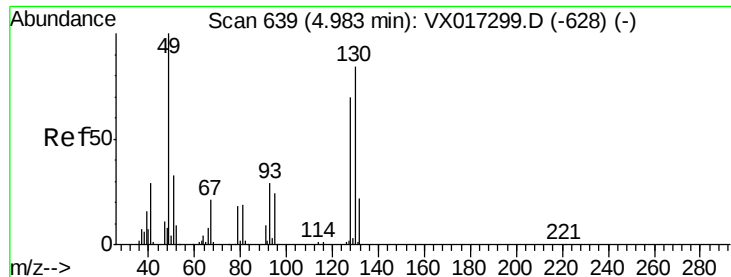
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

Quant Time: Jul 10 06:38:23 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu Jul 09 12:25:06 2020  
Response via : Initial Calibration

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

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



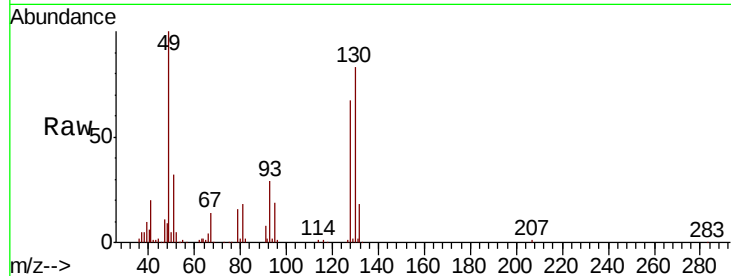


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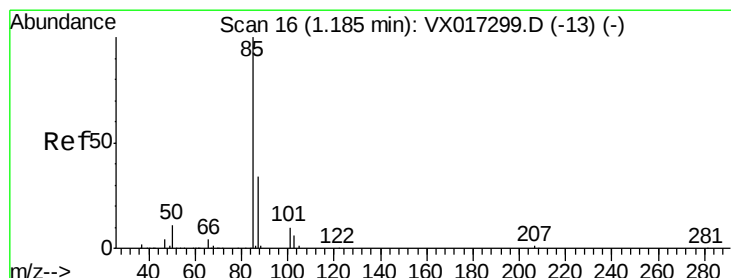
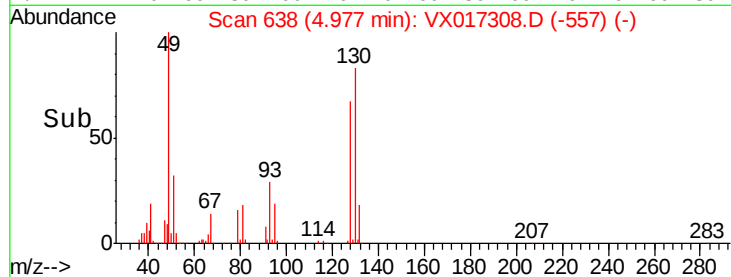
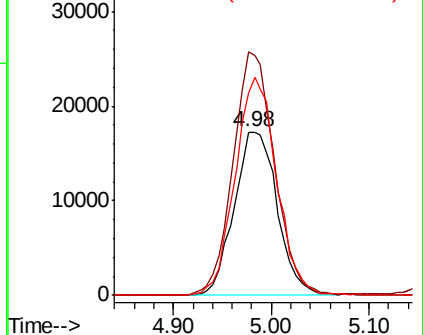
Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 4.98 min Scan# 638  
 Delta R.T. -0.01 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

Tot Ion:128 Resp: 52811  
 Ion Ratio Lower Upper  
 128 100  
 49 144.0 0.0 358.8  
 130 128.2 0.0 323.8



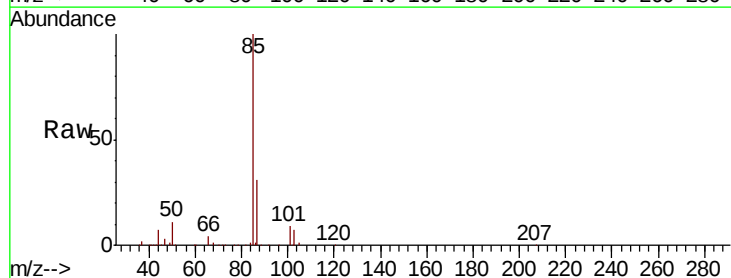
Abundance Ion 128.00 (127.70 to 128.70): V  
 Ion 49.00 (48.70 to 49.70): VX0  
 Ion 130.00 (129.70 to 130.70): V



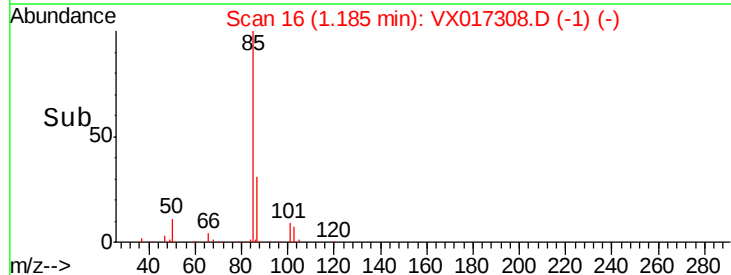
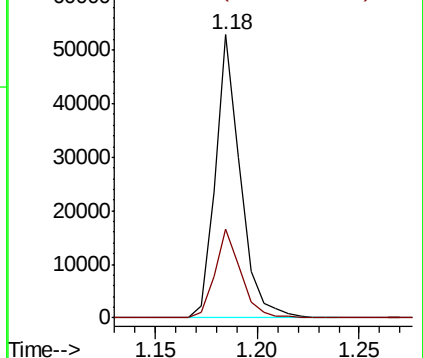
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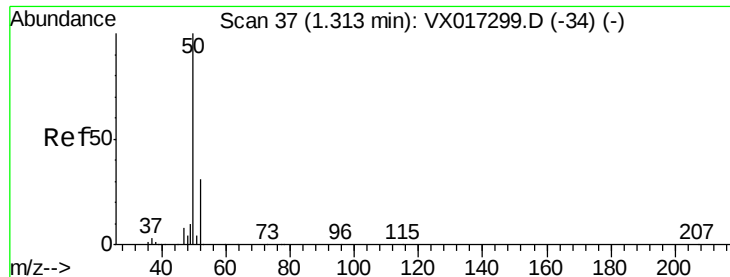
Dichlorodifluoromethane  
 Concen: 19.493 ug/l  
 RT: 1.18 min Scan# 16  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

Tgt Ion: 85 Resp: 45000  
 Ion Ratio Lower Upper  
 85 100  
 87 31.4 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.525 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

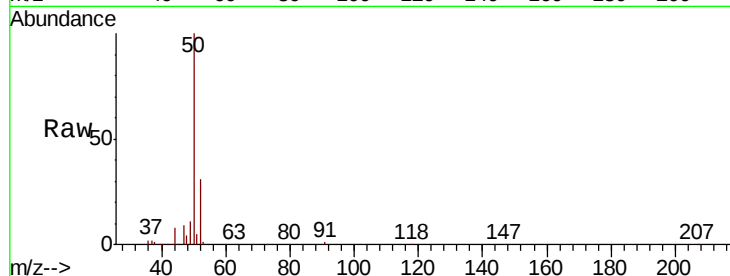
VX0709WBSD01

Tot Ion: 50 Resp: 48021

Ion Ratio Lower Upper

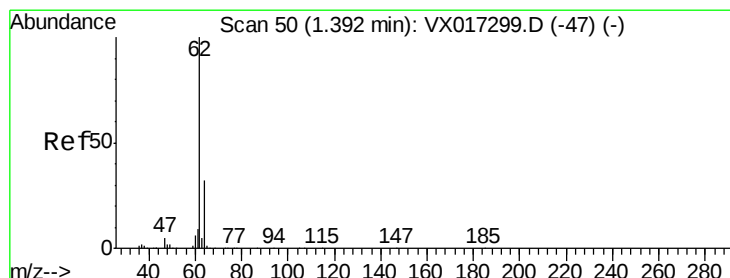
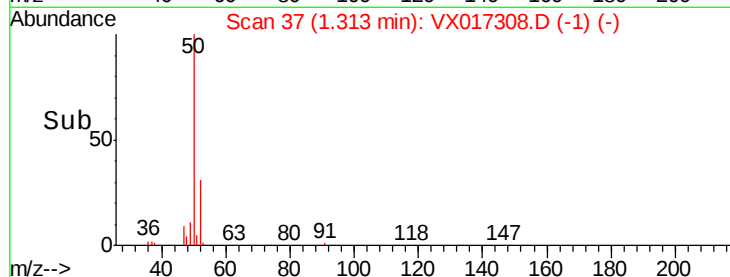
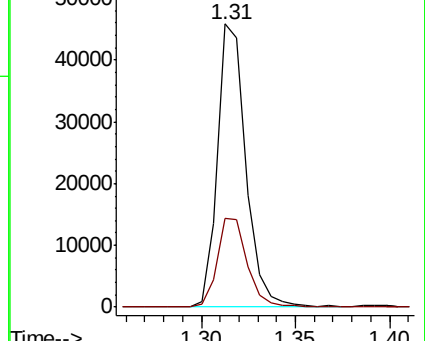
50 100

52 31.3 24.8 37.2



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.649 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017308.D

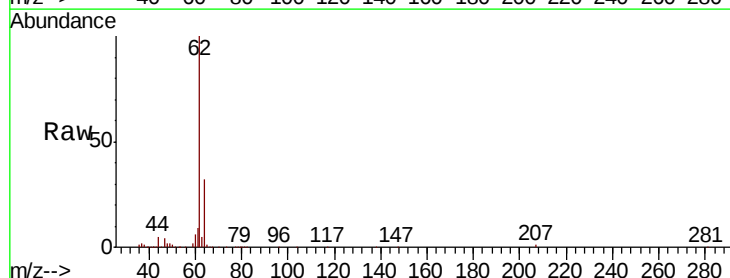
Acq: 09 Jul 2020 15:26

Tgt Ion: 62 Resp: 49794

Ion Ratio Lower Upper

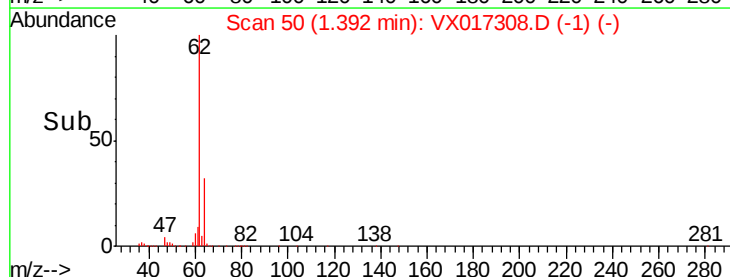
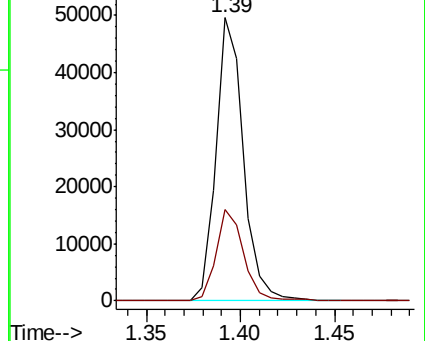
62 100

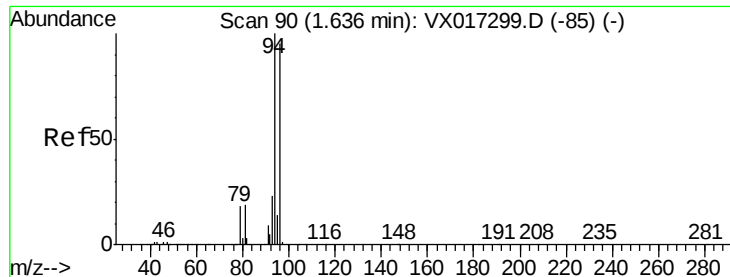
64 32.3 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 19.829 ug/l

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

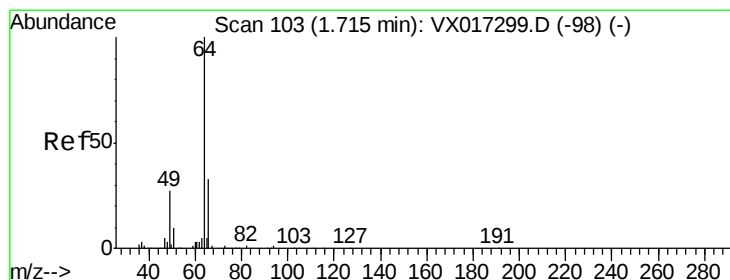
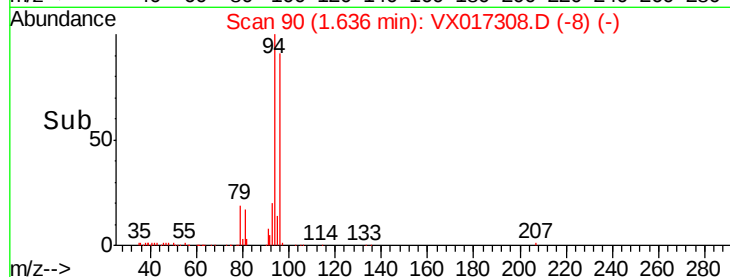
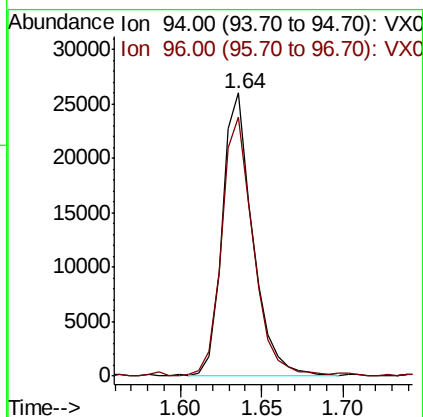
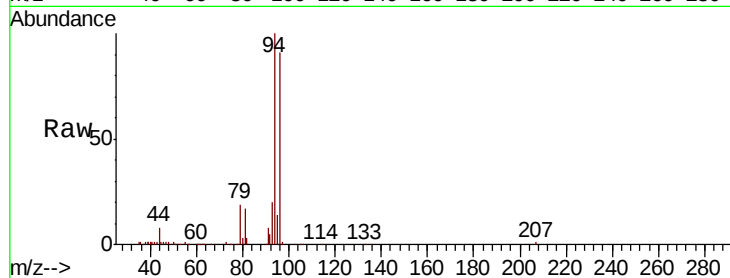
VX0709WBSD01

Tot Ion: 94 Resp: 33493

Ion Ratio Lower Upper

94 100

96 91.1 75.7 113.5



#6

Chloroethane

Concen: 19.281 ug/l

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX017308.D

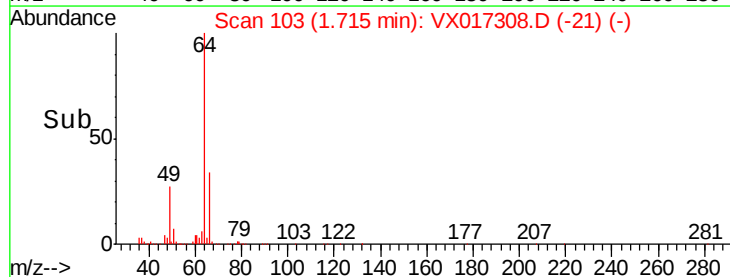
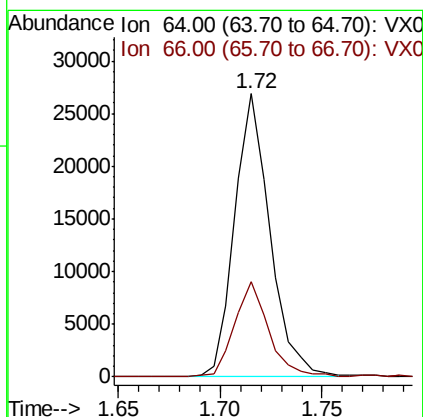
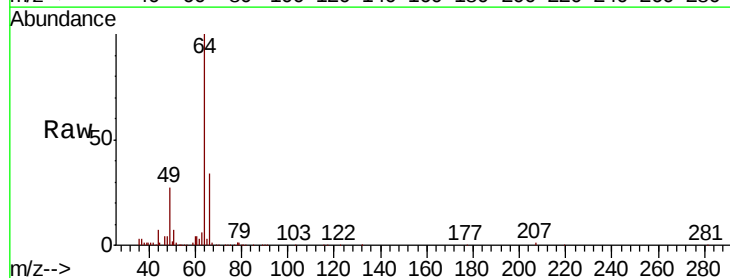
Acq: 09 Jul 2020 15:26

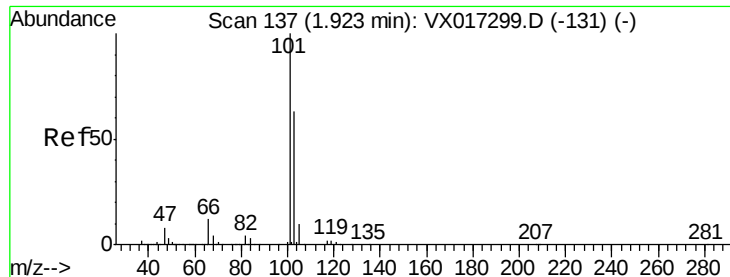
Tgt Ion: 64 Resp: 32308

Ion Ratio Lower Upper

64 100

66 33.3 26.1 39.1



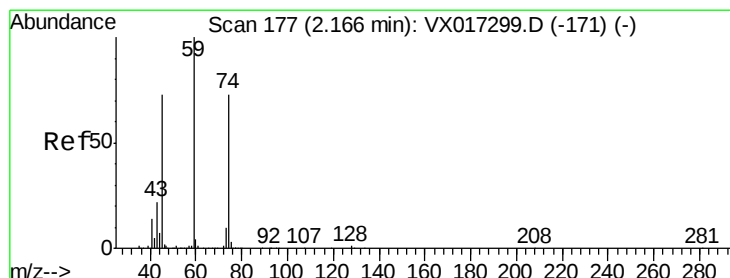
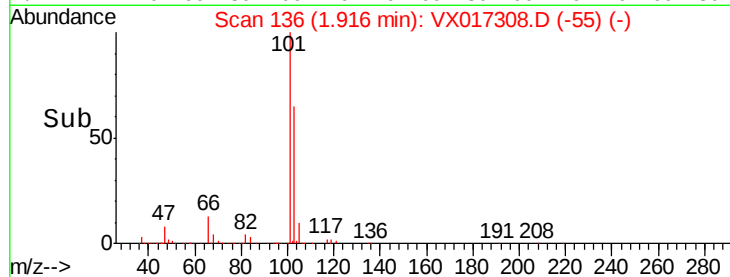
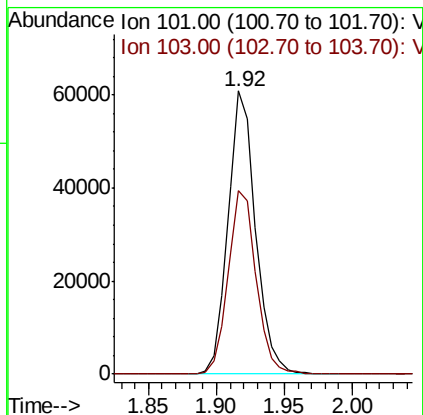
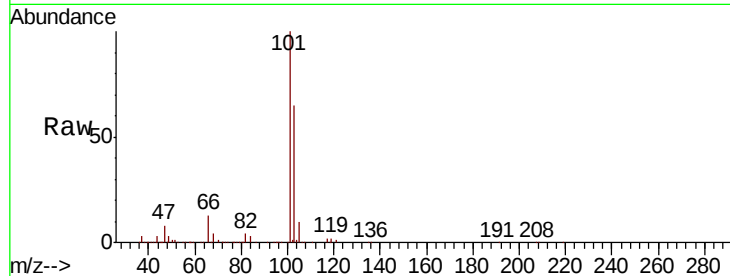


#7

Trichlorofluoromethane  
Concen: 19.073 ug/l  
RT: 1.92 min Scan# 136  
Delta R.T. -0.01 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

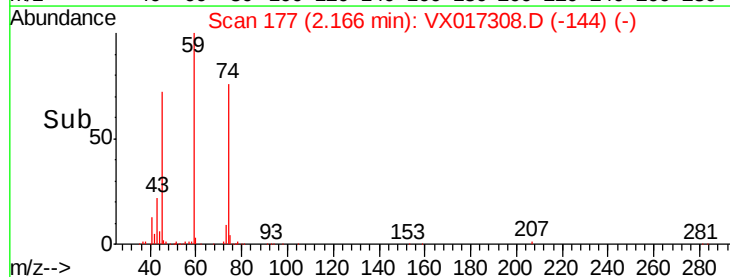
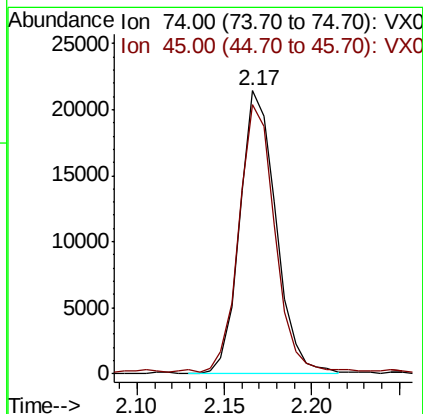
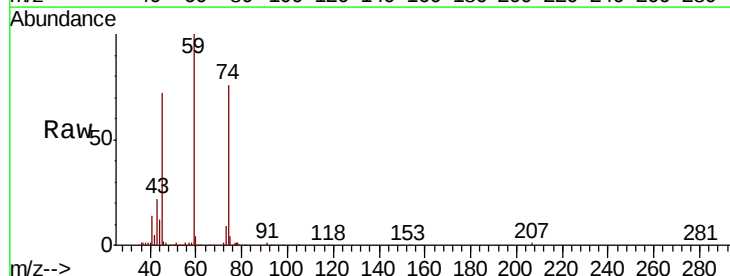
Tot Ion:101 Resp: 85862  
Ion Ratio Lower Upper  
101 100  
103 64.9 50.1 75.1

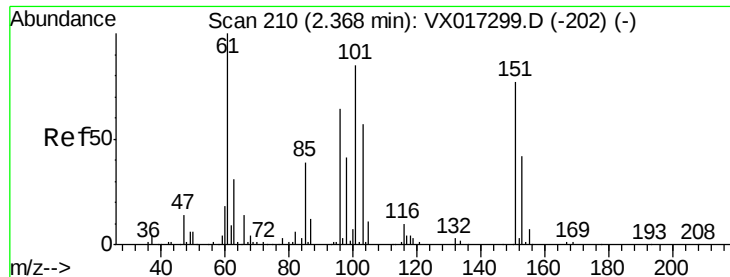


#8

Diethyl Ether  
Concen: 19.299 ug/l  
RT: 2.17 min Scan# 177  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Tgt Ion: 74 Resp: 30822  
Ion Ratio Lower Upper  
74 100  
45 92.6 18.9 170.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.191 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

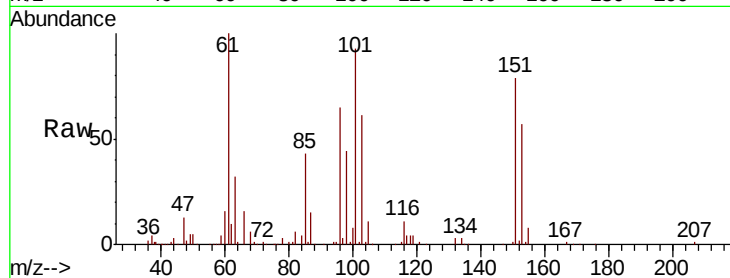
Tot Ion:101 Resp: 49701

Ion Ratio Lower Upper

101 100

85 44.8 0.0 87.8

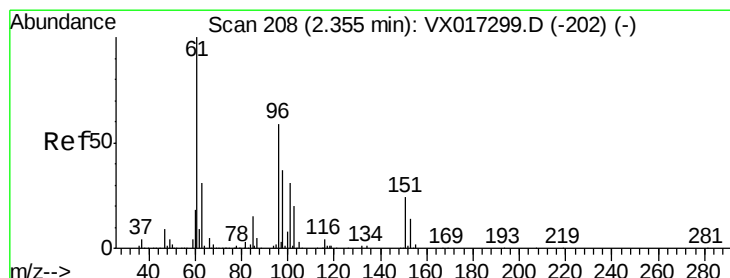
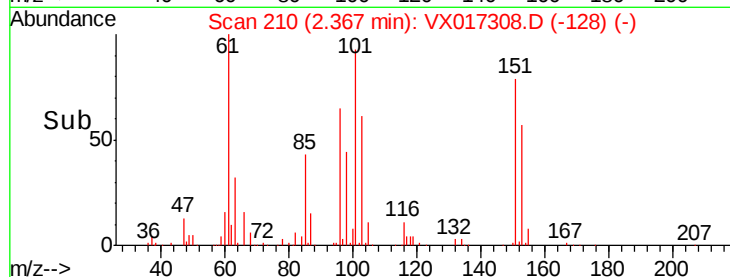
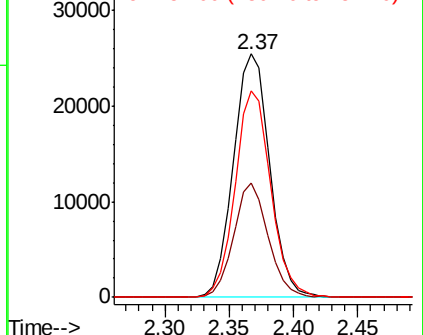
151 83.2 0.0 170.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.241 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

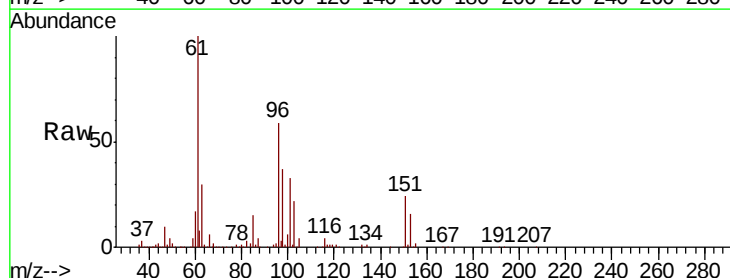
Tgt Ion: 96 Resp: 49121

Ion Ratio Lower Upper

96 100

61 169.4 137.0 205.4

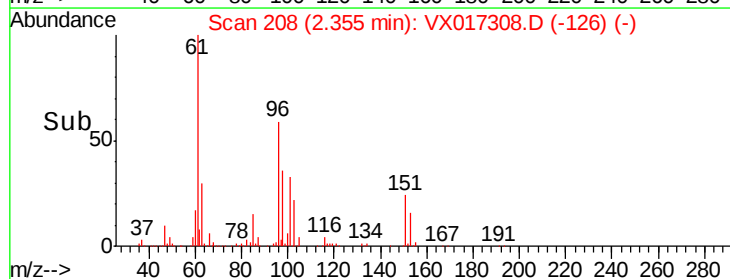
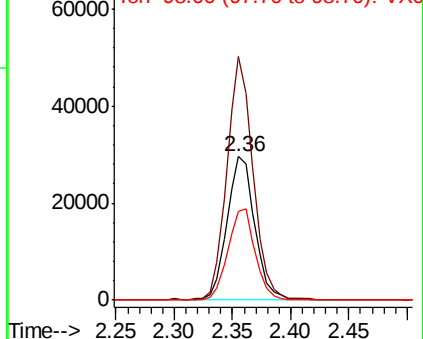
98 61.9 51.1 76.7

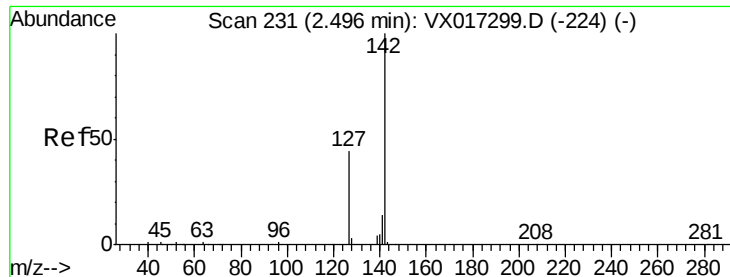


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

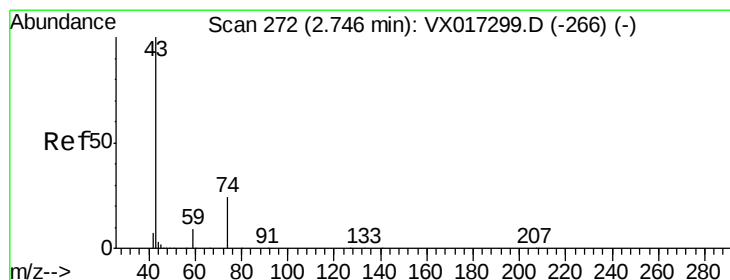
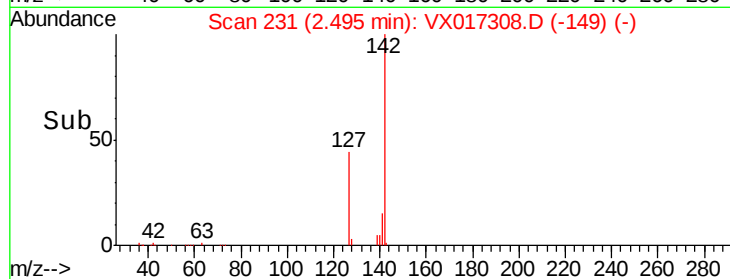
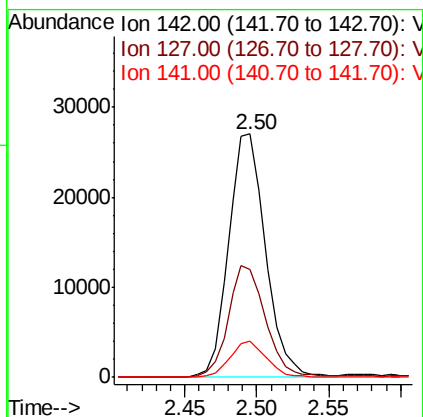
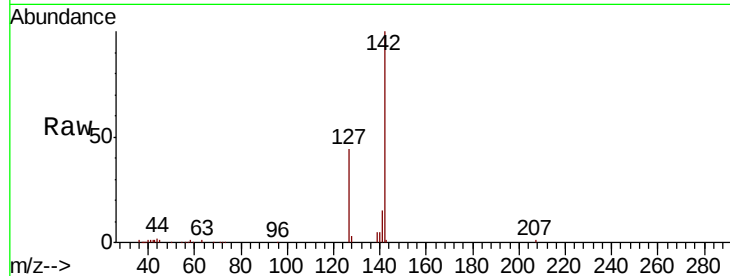




#11  
Methvl Iodide  
Concen: 16.971 ug/l  
RT: 2.50 min Scan# 231  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

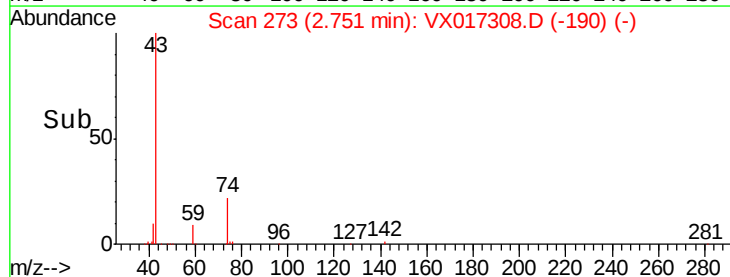
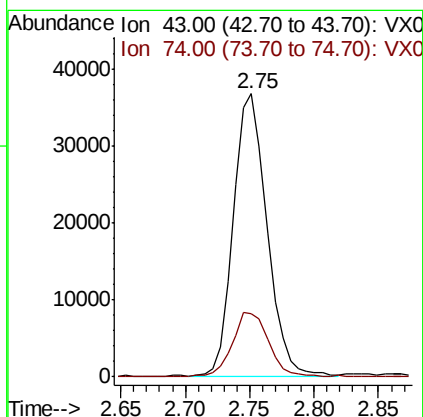
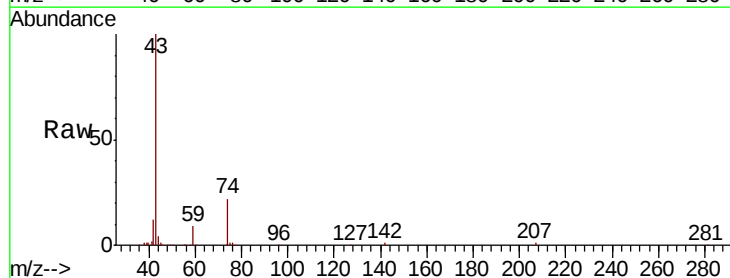
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0709WBSD01

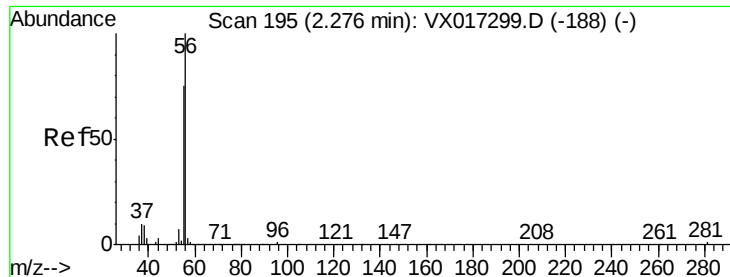
Tot Ion:142 Resp: 48497  
Ion Ratio Lower Upper  
142 100  
127 44.2 21.9 65.7  
141 14.9 7.0 21.1



#12  
Methyl Acetate  
Concen: 19.672 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. 0.01 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Tgt Ion: 43 Resp: 66520  
Ion Ratio Lower Upper  
43 100  
74 22.0 18.8 28.2





#13

Acrolein

Concen: 90.031 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

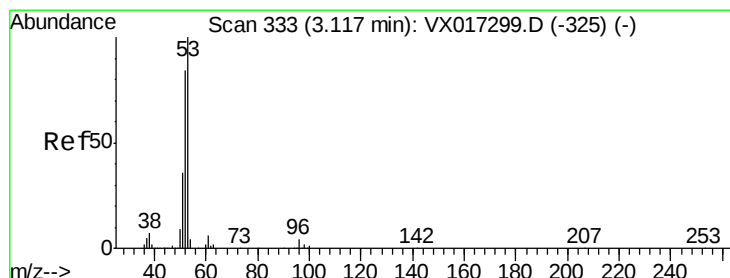
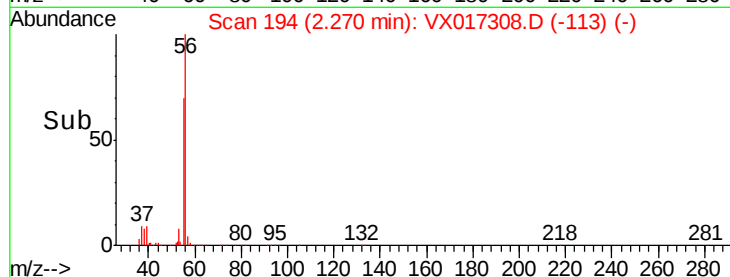
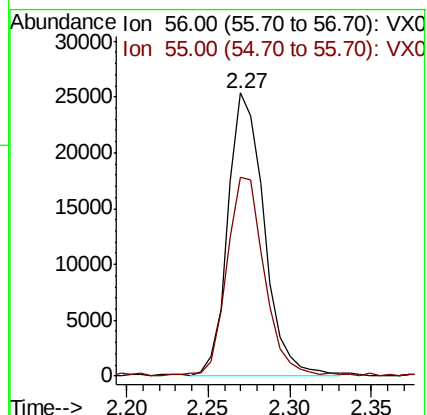
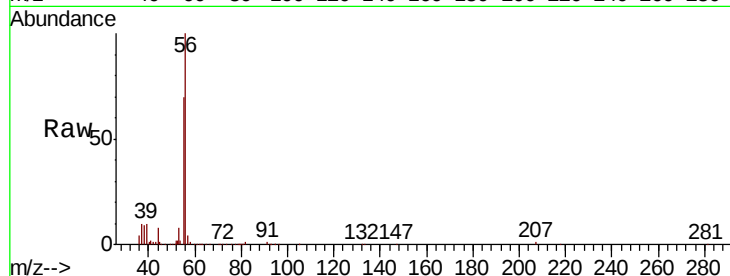
VX0709WBSD01

Tot Ion: 56 Resp: 39369

Ion Ratio Lower Upper

56 100

55 72.6 58.5 87.7



#14

Acrylonitrile

Concen: 95.764 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

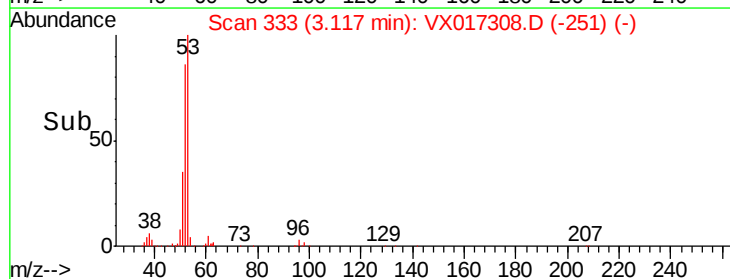
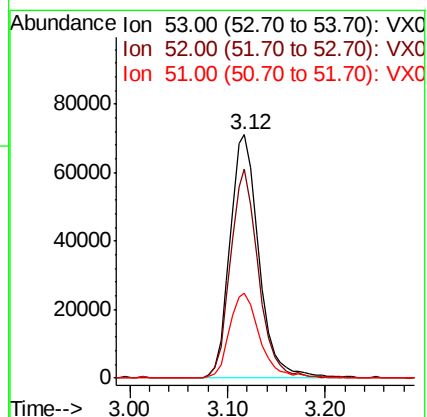
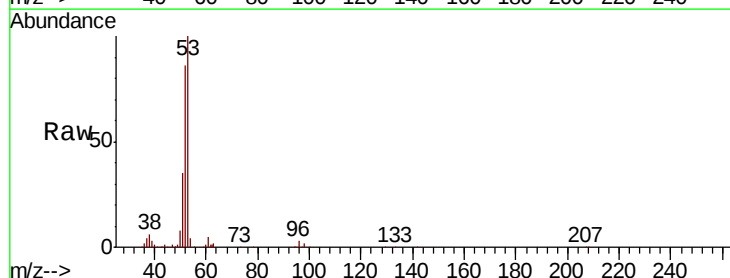
Tgt Ion: 53 Resp: 146107

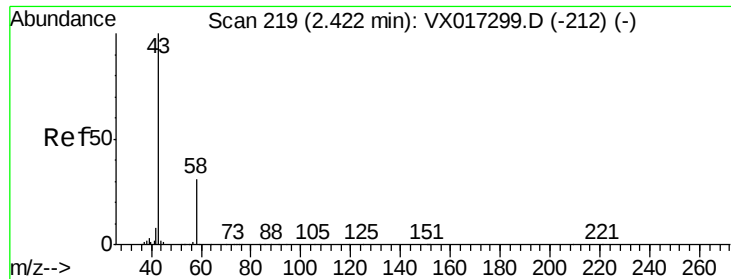
Ion Ratio Lower Upper

53 100

52 82.8 41.3 123.9

51 36.8 18.1 54.1

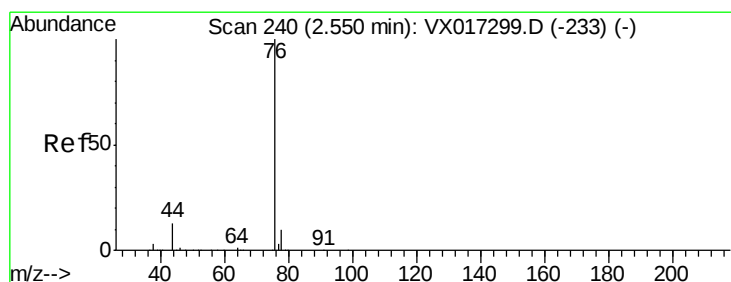
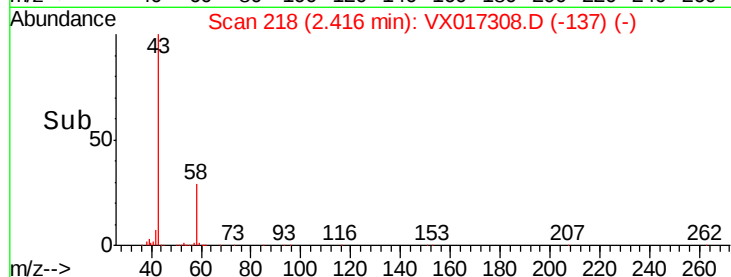
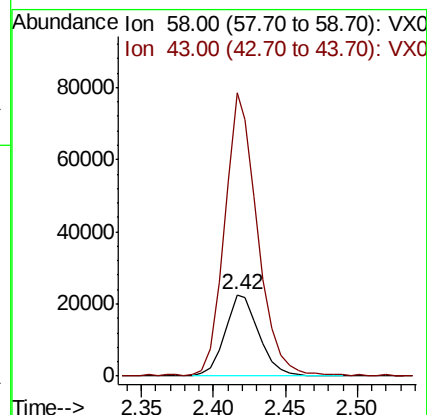
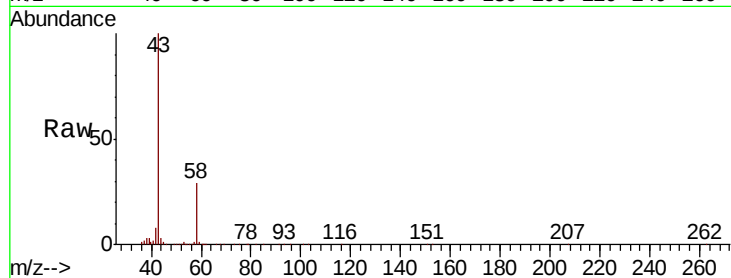




#15  
Acetone  
Concen: 97.298 ug/l  
RT: 2.42 min Scan# 218  
Delta R.T. -0.01 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

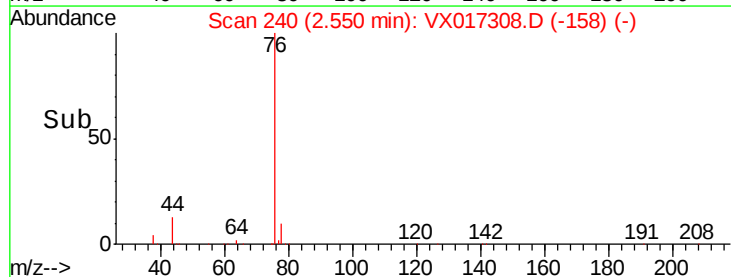
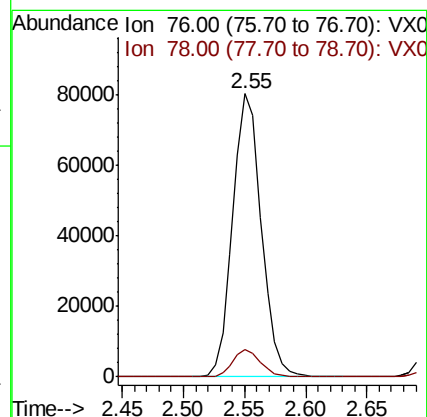
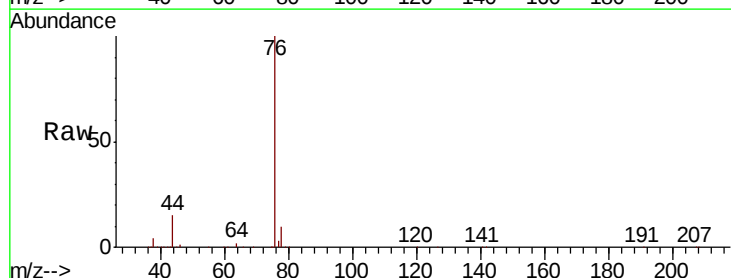
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

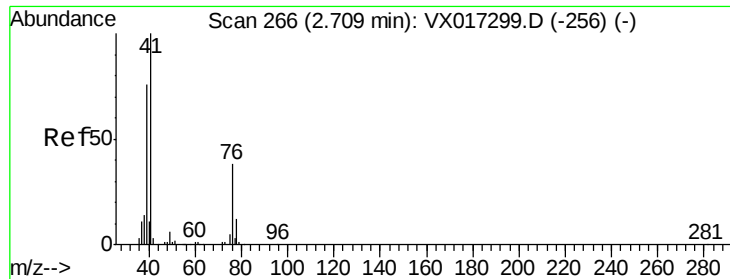
Tot Ion: 58 Resp: 37438  
Ion Ratio Lower Upper  
58 100  
43 347.1 255.0 382.4



#16  
Carbon Disulfide  
Concen: 19.756 ug/l  
RT: 2.55 min Scan# 240  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Tgt Ion: 76 Resp: 130045  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.9 11.9

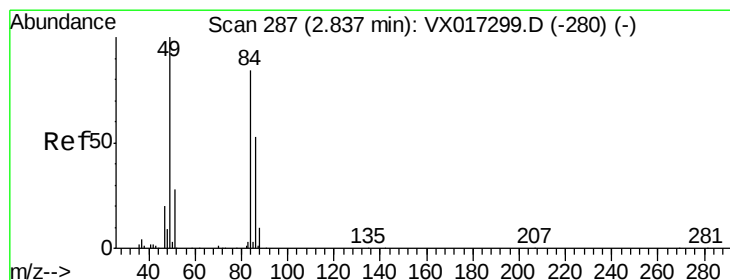
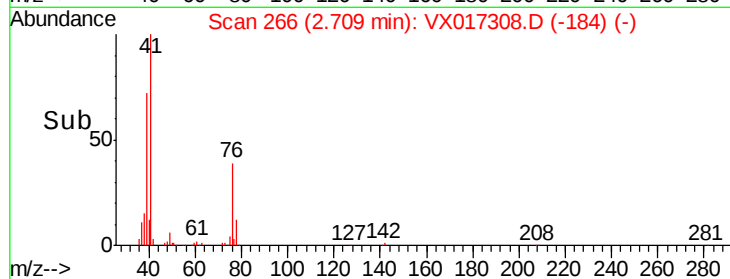
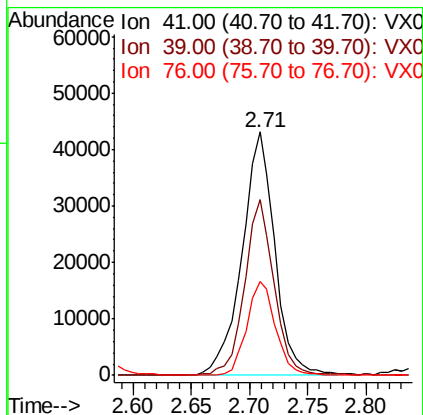
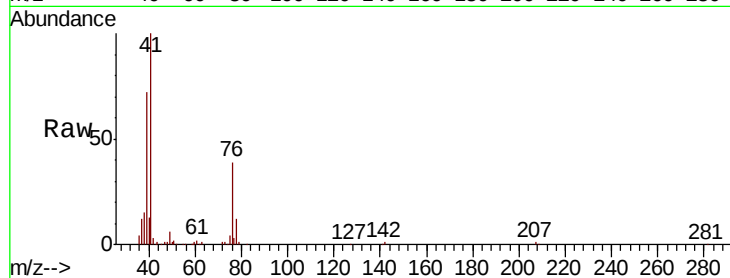




#17  
Allvl chloride  
Concen: 18.548 ug/l  
RT: 2.71 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

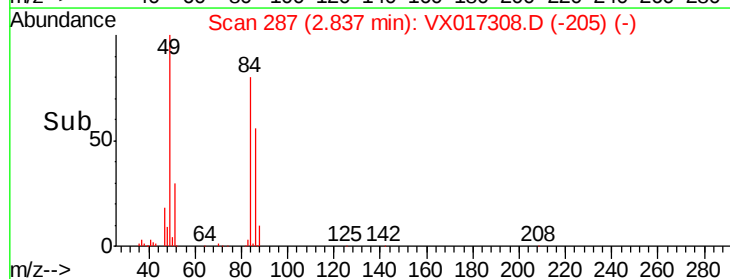
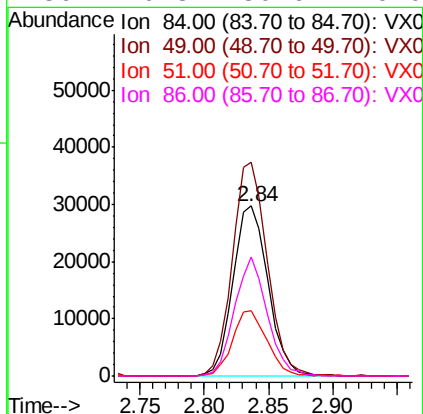
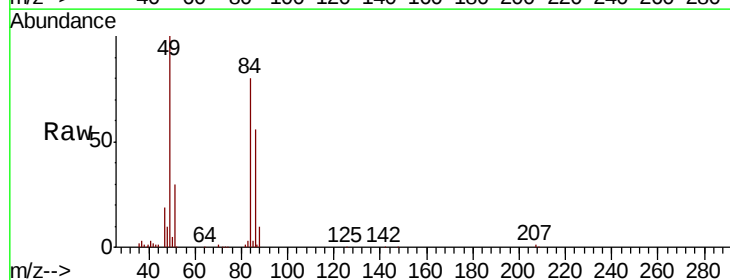
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

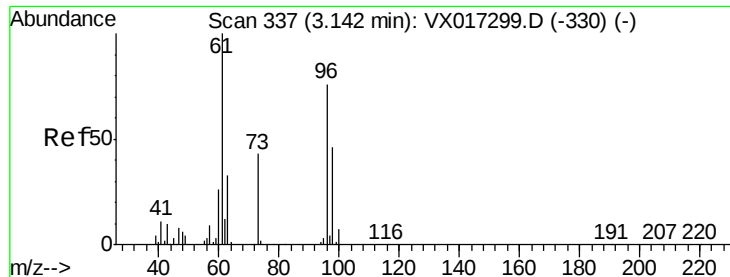
Tot Ion: 41 Resp: 83740  
Ion Ratio Lower Upper  
41 100  
39 72.0 38.1 114.5  
76 38.5 18.8 56.4



#18  
Methylene Chloride  
Concen: 18.853 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Tgt Ion: 84 Resp: 56353  
Ion Ratio Lower Upper  
84 100  
49 125.5 95.7 143.5  
51 38.1 27.2 40.8  
86 70.3 50.6 76.0





#19

trans-1,2-Dichloroethene

Concen: 19.064 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

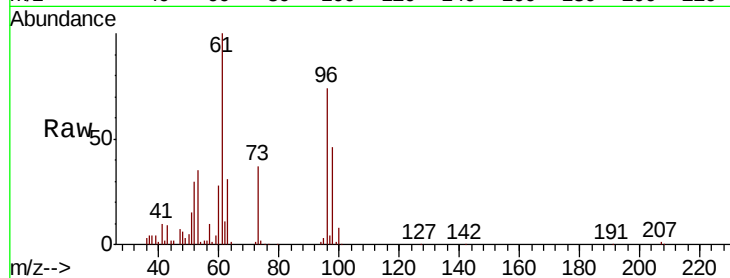
Tot Ion: 96 Resp: 54093

Ion Ratio Lower Upper

96 100

61 135.6 105.0 157.6

98 62.8 48.6 73.0

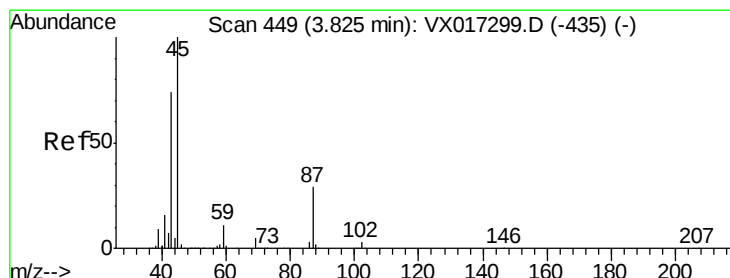
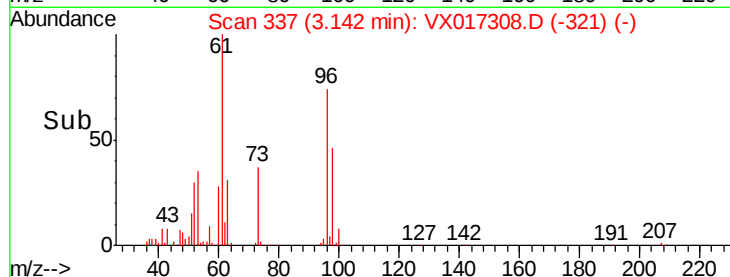
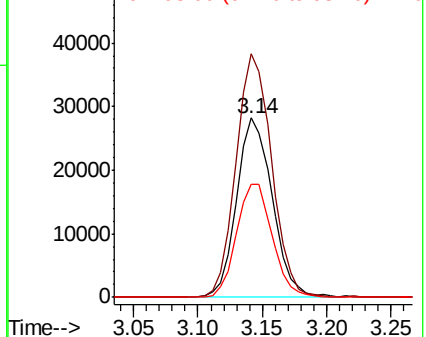


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 19.227 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Tgt Ion: 45 Resp: 173549

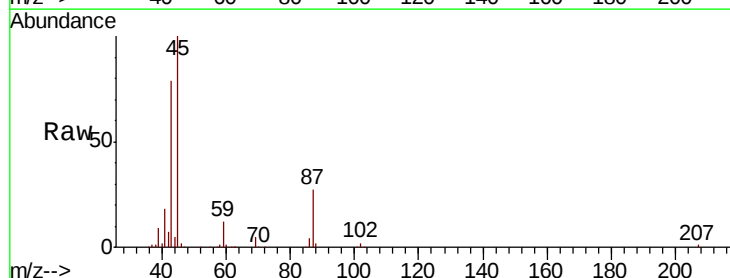
Ion Ratio Lower Upper

45 100

43 78.7 59.5 89.3

87 27.1 23.2 34.8

59 11.4 8.5 12.7



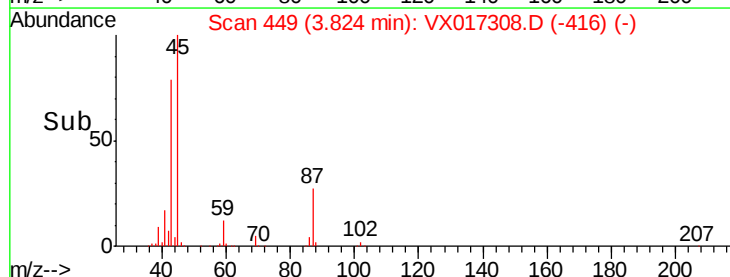
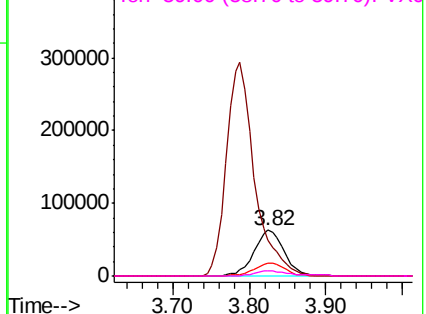
Abundance

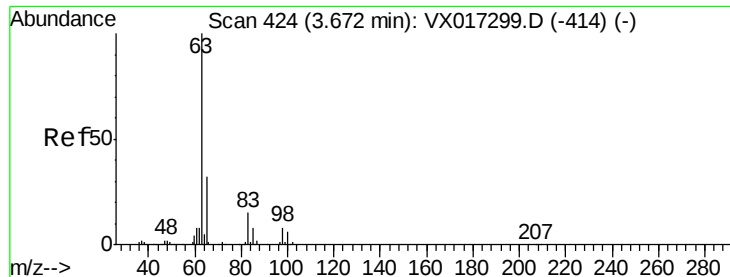
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 19.072 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

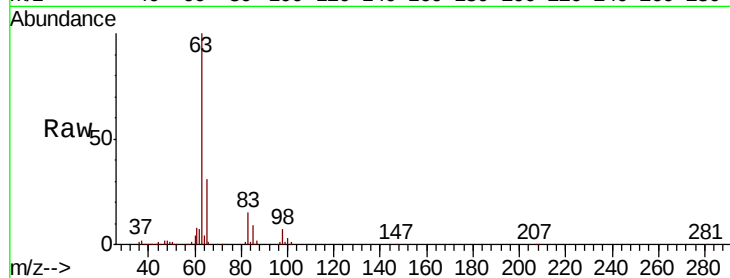
Tot Ion: 63 Resp: 96490

Ion Ratio Lower Upper

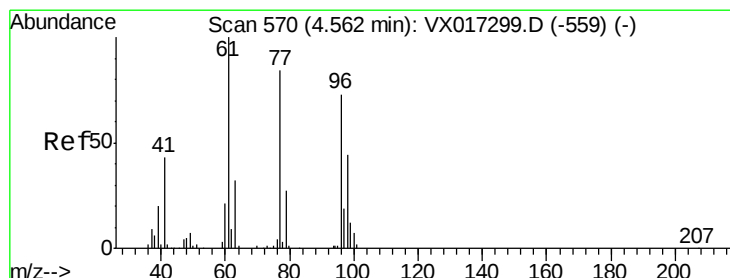
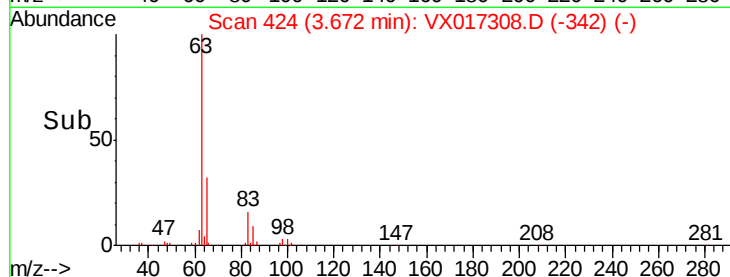
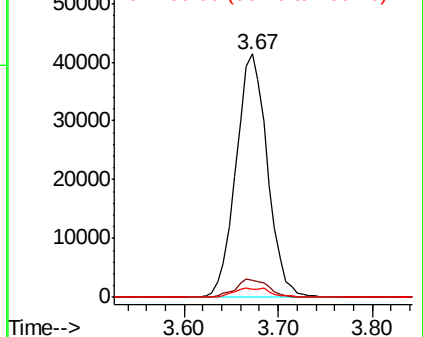
63 100

98 6.8 4.2 12.4

100 3.5 2.8 8.3



Abundance Ion 63.00 (62.70 to 63.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 19.052 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

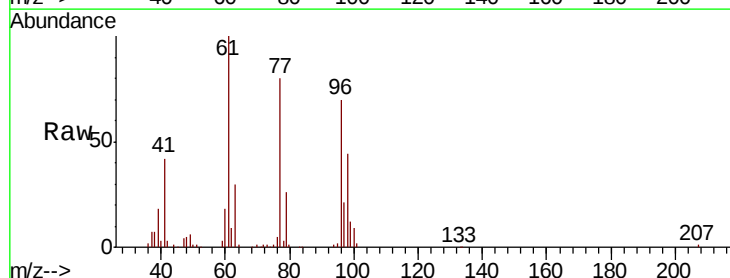
Tgt Ion: 96 Resp: 61676

Ion Ratio Lower Upper

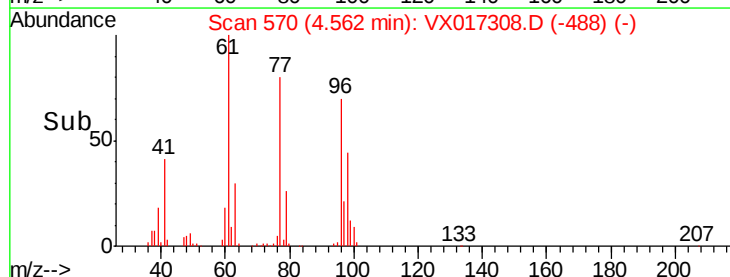
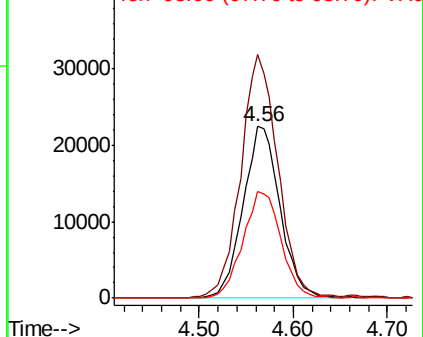
96 100

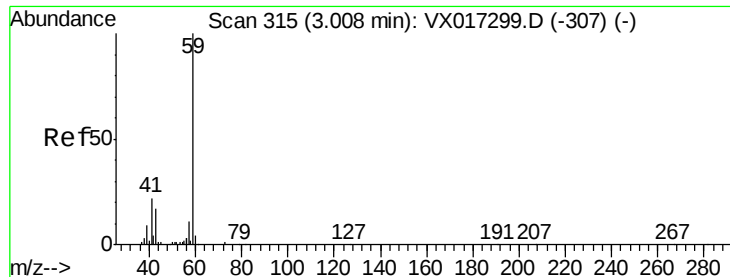
61 142.2 111.7 167.5

98 64.4 50.9 76.3



Abundance Ion 96.00 (95.70 to 96.70): VX0  
Ion 61.00 (60.70 to 61.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 93.753 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

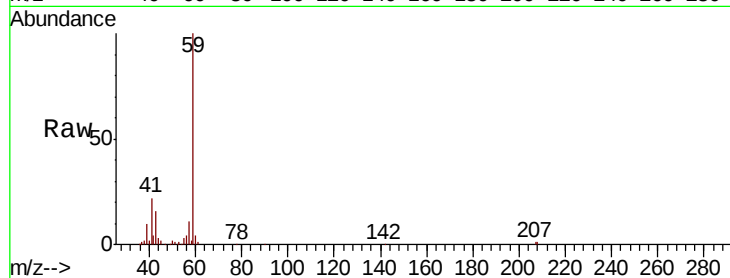
VX0709WBSD01

Tot Ion: 59 Resp: 59023

Ion Ratio Lower Upper

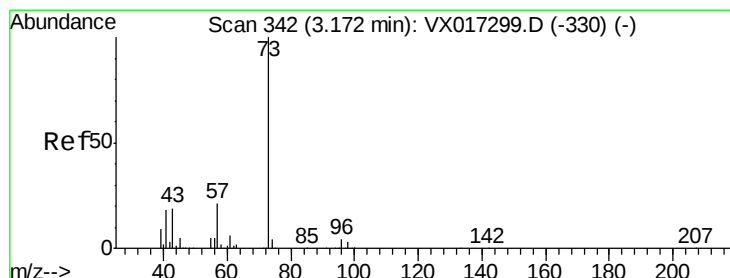
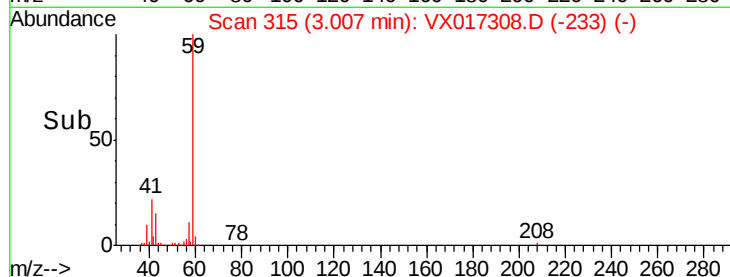
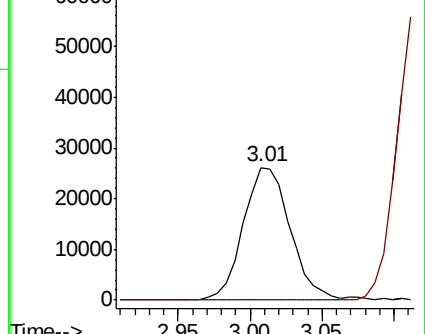
59 100

52 0.1 0.4 0.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 19.033 ug/l

RT: 3.17 min Scan# 342

Delta R.T. -0.00 min

Lab File: VX017308.D

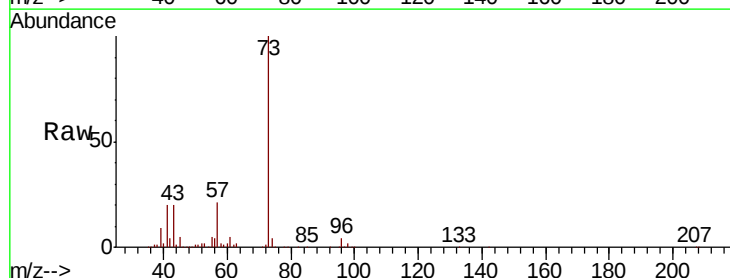
Acq: 09 Jul 2020 15:26

Tgt Ion: 73 Resp: 176343

Ion Ratio Lower Upper

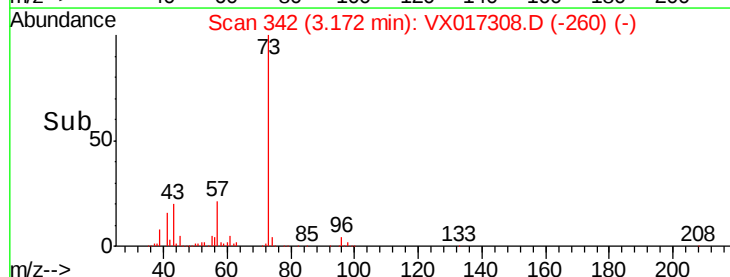
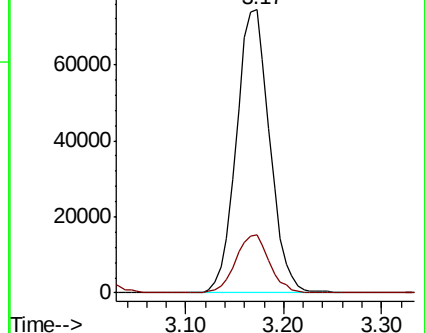
73 100

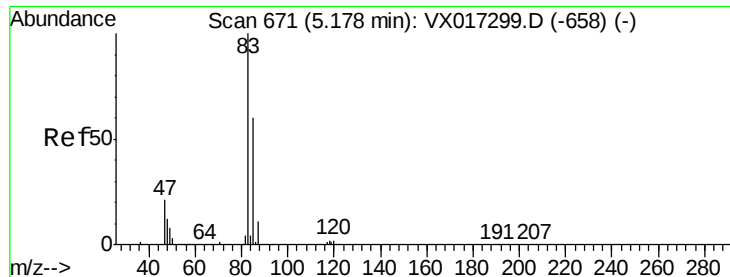
43 20.5 16.3 24.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

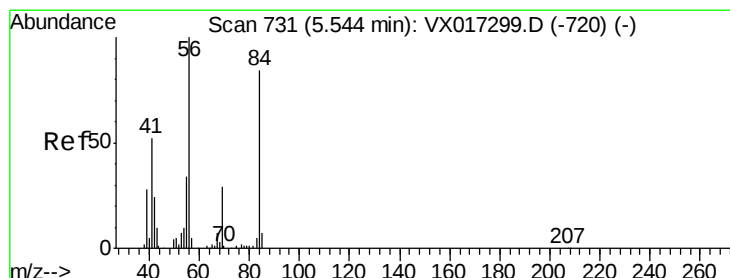
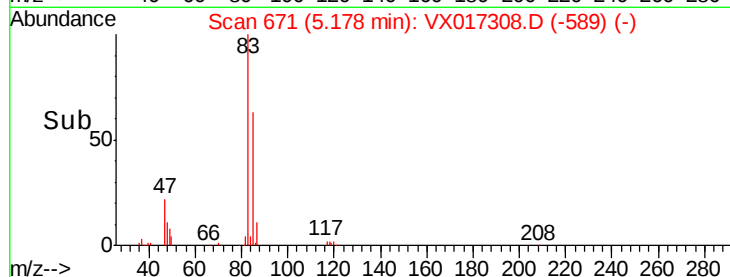
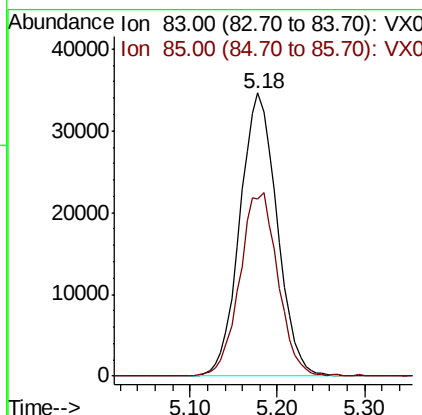
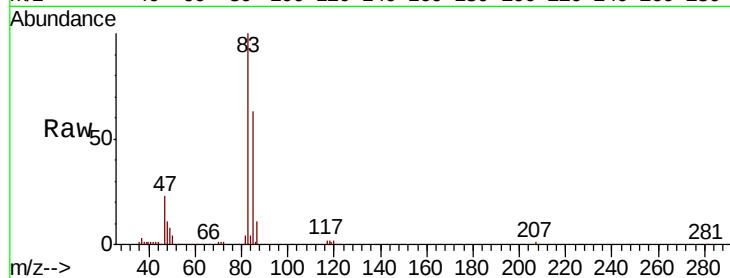




#25  
Chloroform  
Concen: 19.029 ug/l  
RT: 5.18 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

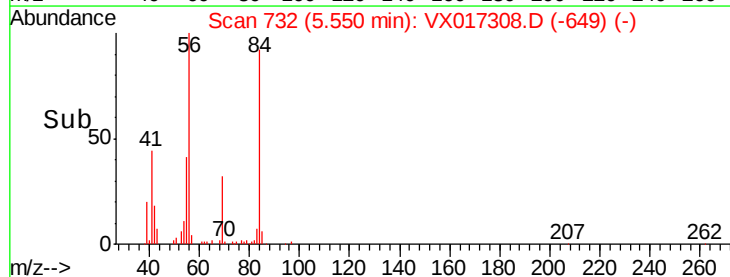
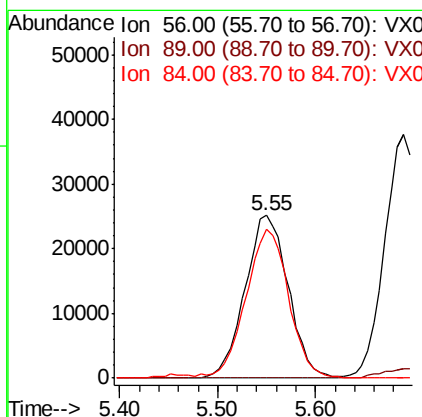
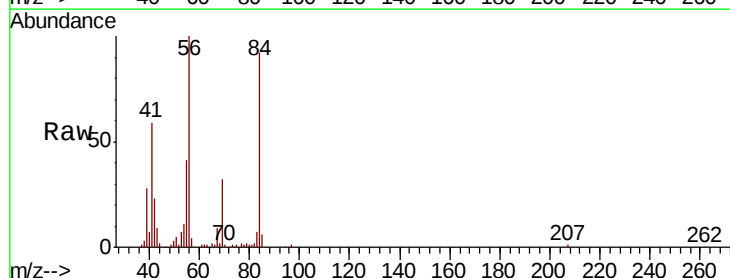
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

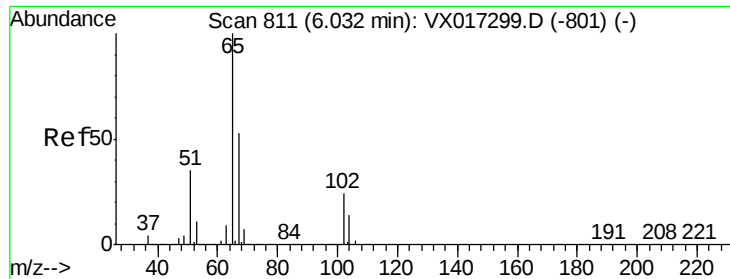
Tot Ion: 83 Resp: 102582  
Ion Ratio Lower Upper  
83 100  
85 62.5 47.8 71.8



#26  
Cyclohexane  
Concen: 19.538 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. 0.01 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Tgt Ion: 56 Resp: 77012  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 90.3 71.5 107.3

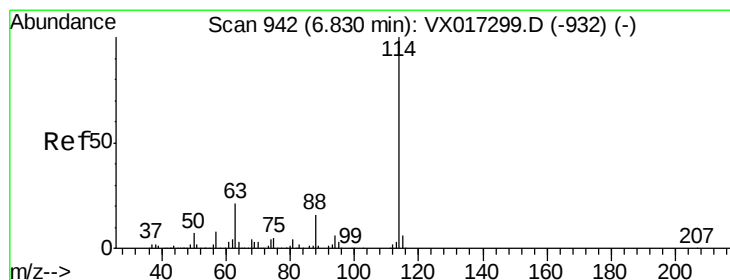
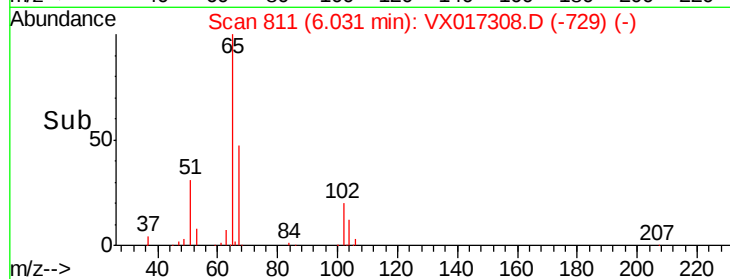
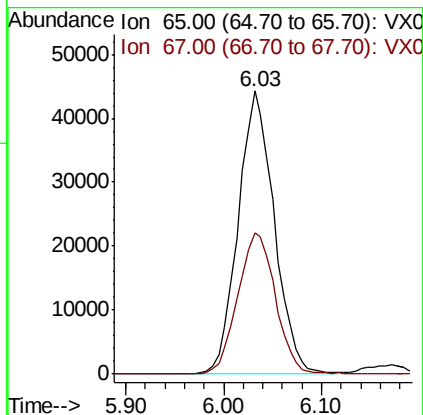
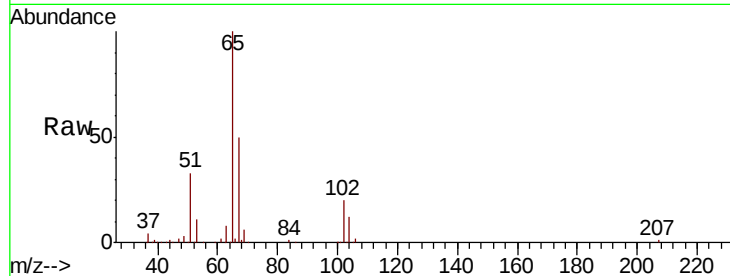




#27  
 1,2-Dichloroethane-d4  
 Concen: 29.841 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

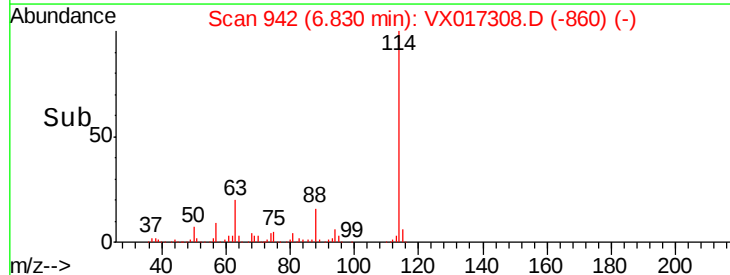
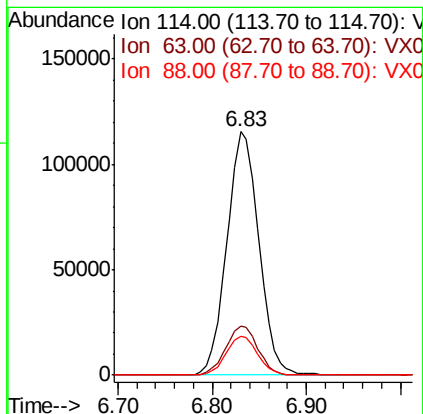
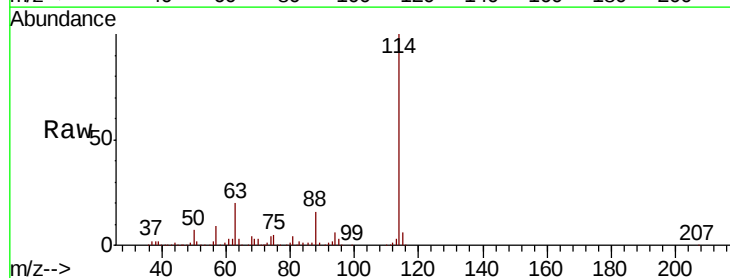
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

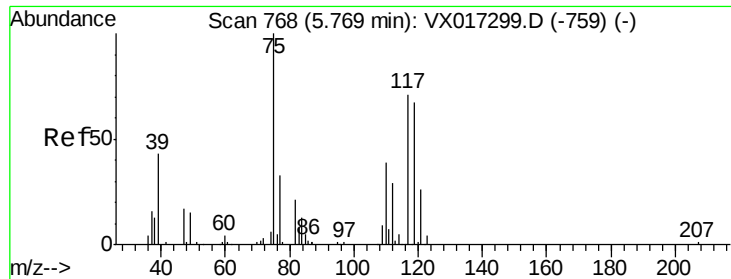
Tot Ion: 65 Resp: 113267  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 41.0 61.6



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

Tgt Ion: 114 Resp: 273182  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 15.9 23.9  
 88 15.9 12.4 18.6

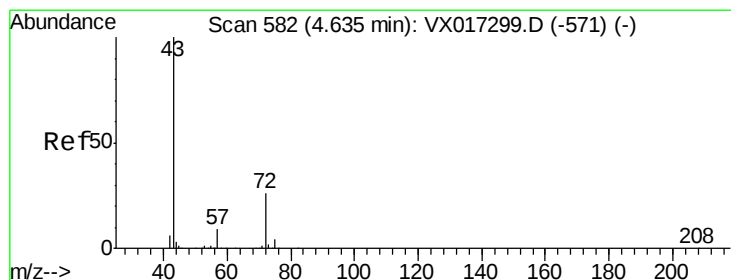
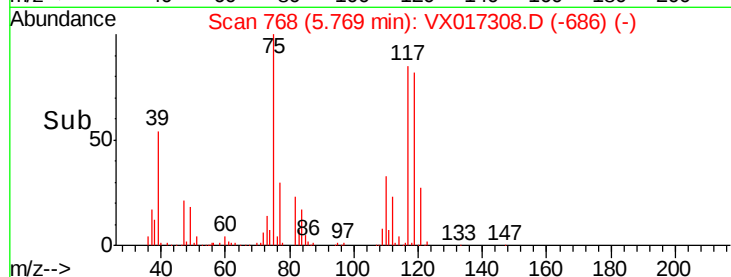
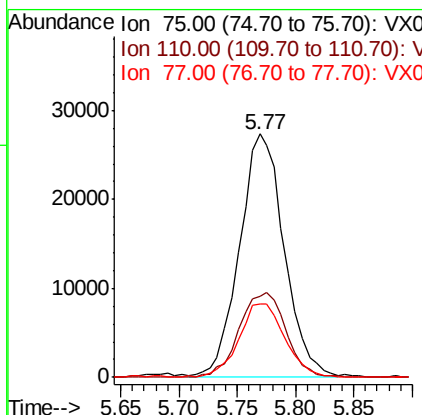
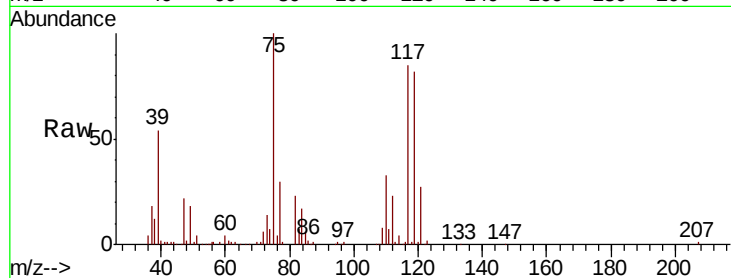




#29  
 1,1-Dichloropropene  
 Concen: 19.423 ug/l  
 RT: 5.77 min Scan# 768  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

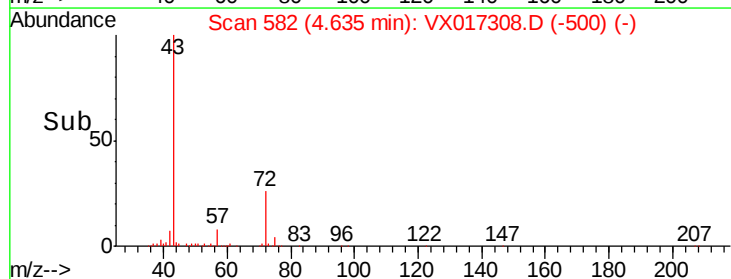
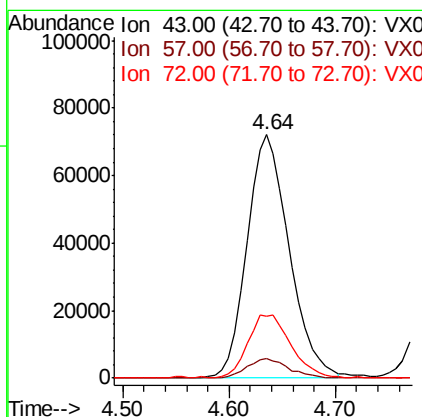
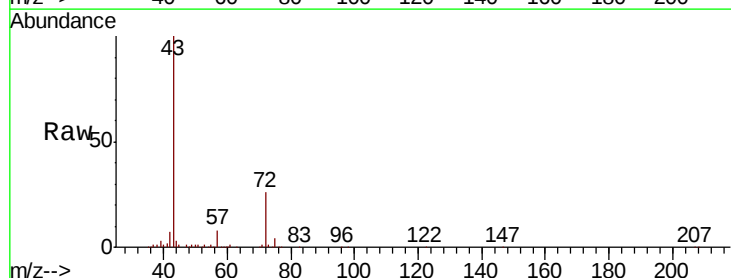
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

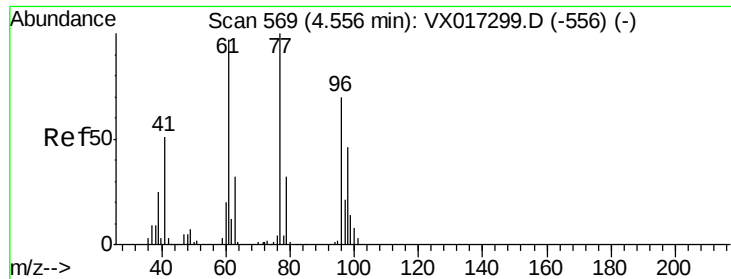
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.5  | 0.0   | 75.8  |
| 77      | 31.2  | 0.0   | 63.4  |



#30  
 2-Butanone  
 Concen: 97.041 ug/l  
 RT: 4.64 min Scan# 582  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 8.1   | 6.8   | 10.2  |
| 72      | 26.7  | 21.0  | 31.6  |





#31

2,2-Dichloropropane

Concen: 18.669 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

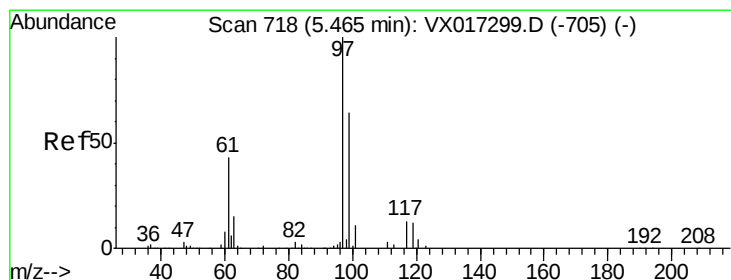
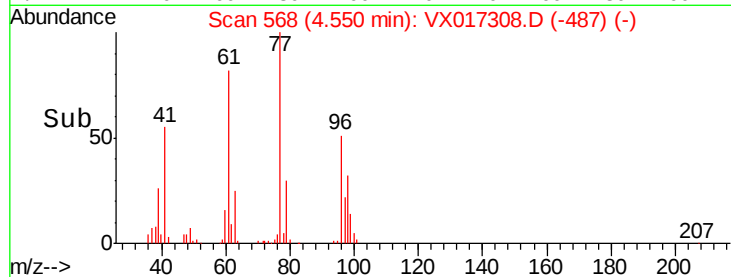
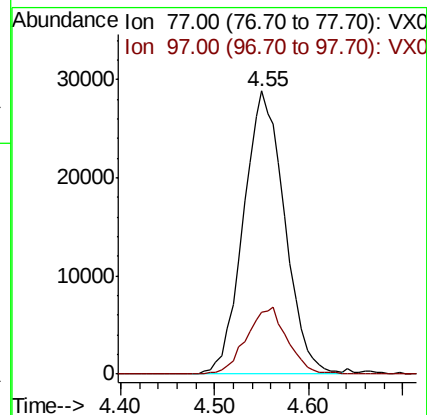
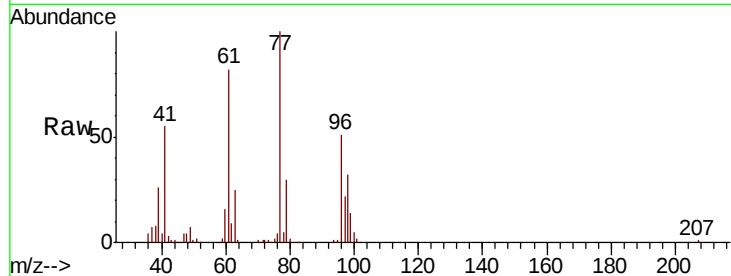
VX0709WBSD01

Tot Ion: 77 Resp: 88109

Ion Ratio Lower Upper

77 100

97 23.2 18.2 27.2



#32

1,1,1-Trichloroethane

Concen: 19.224 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

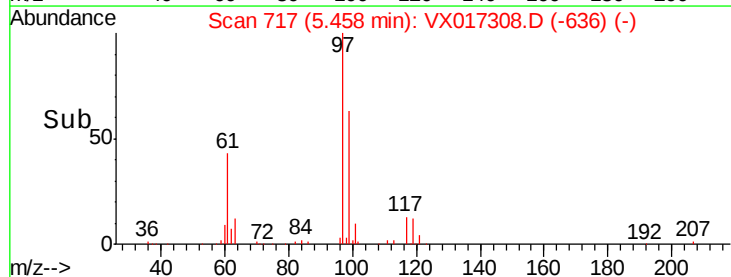
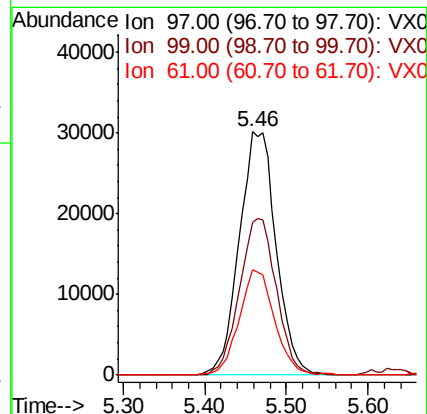
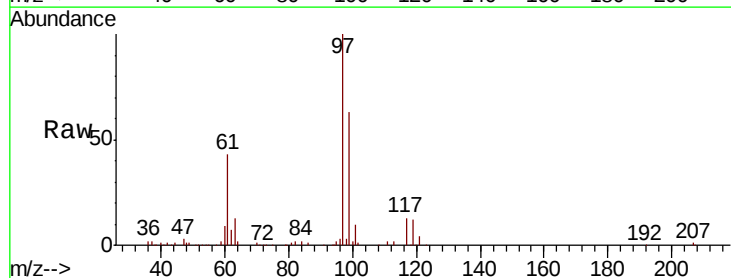
Tgt Ion: 97 Resp: 94287

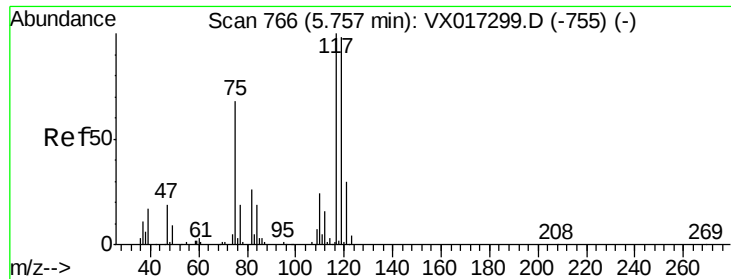
Ion Ratio Lower Upper

97 100

99 64.0 53.2 79.8

61 41.5 34.0 51.0





#33

Carbon Tetrachloride

Concen: 19.262 ug/l

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

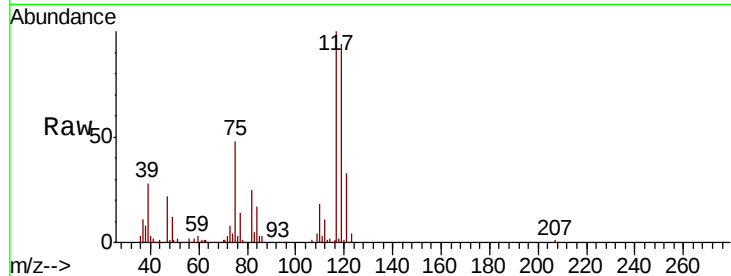
Tot Ion:117 Resp: 87119

Ion Ratio Lower Upper

117 100

119 93.7 78.8 118.2

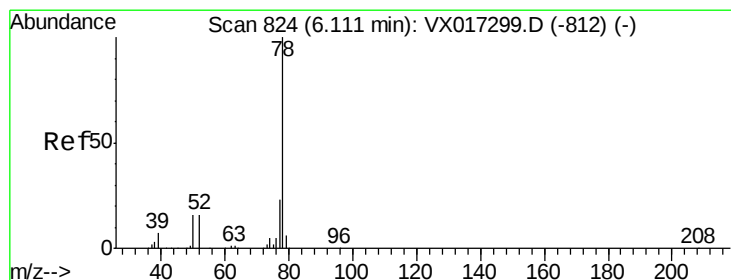
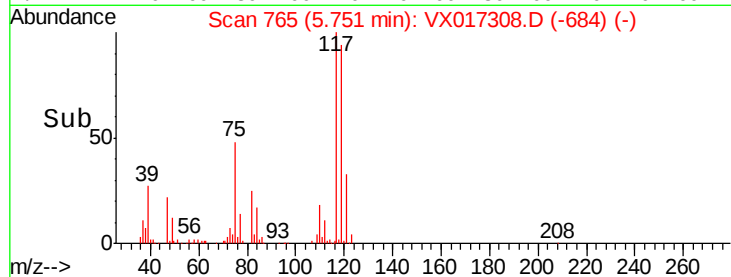
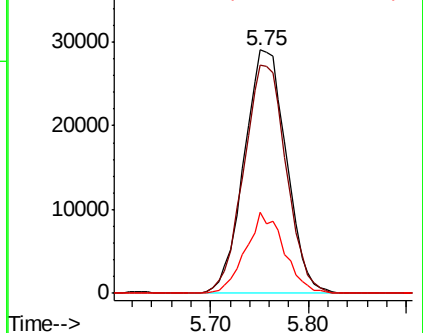
121 33.2 23.7 35.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.292 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

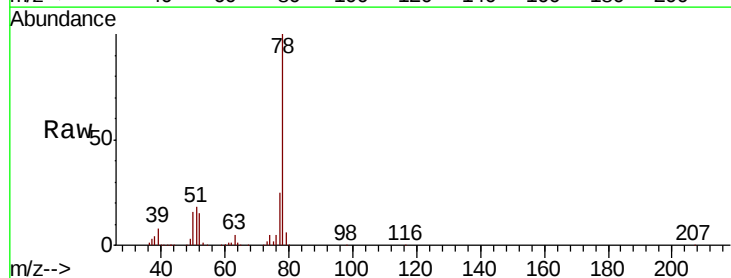
Tgt Ion: 78 Resp: 216252

Ion Ratio Lower Upper

78 100

77 25.2 18.1 27.1

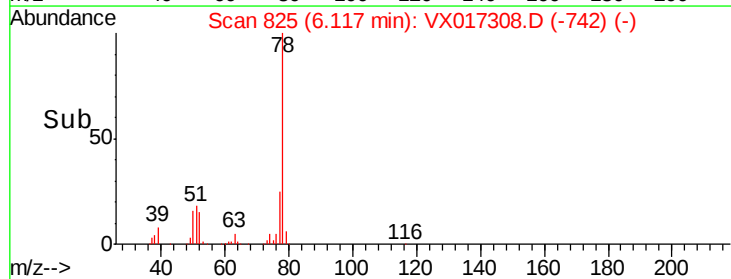
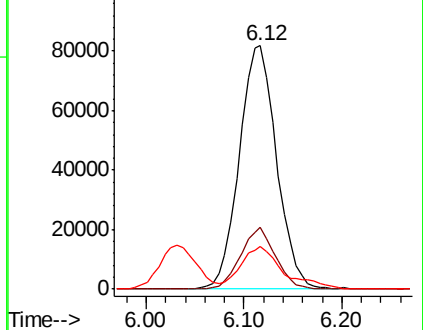
51 16.8 12.9 19.3

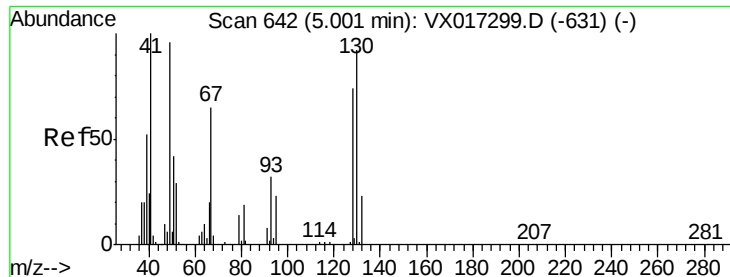


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

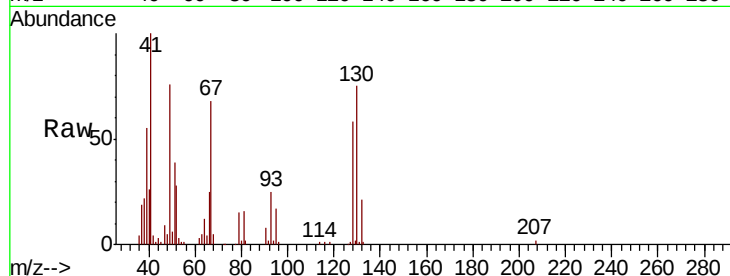




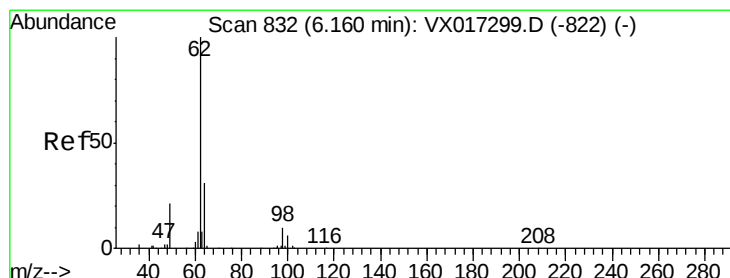
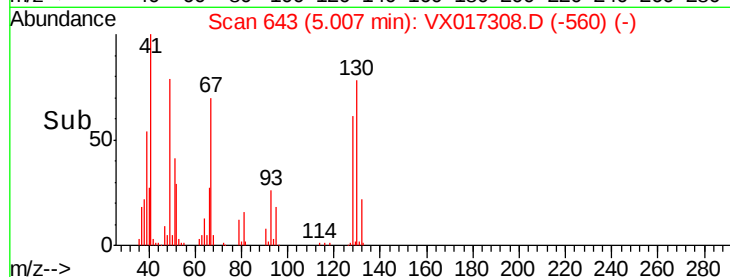
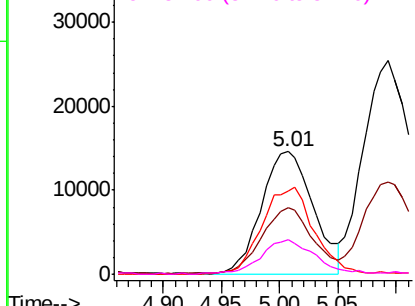
#35  
Methacrylonitrile  
Concen: 19.696 ug/l  
RT: 5.01 min Scan# 643  
Delta R.T. 0.01 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 45439 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 52.3  | 26.0  | 78.0  |
| 67       | 67.5  | 32.6  | 97.8  |
| 52       | 27.5  | 14.2  | 42.6  |

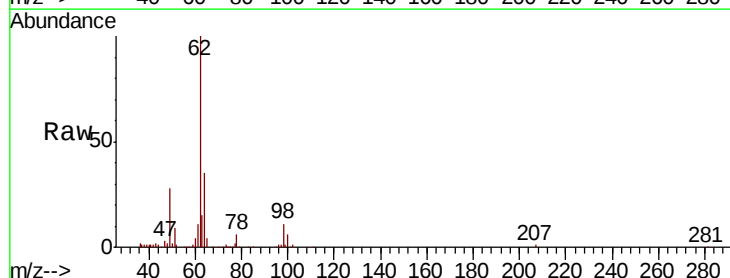


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

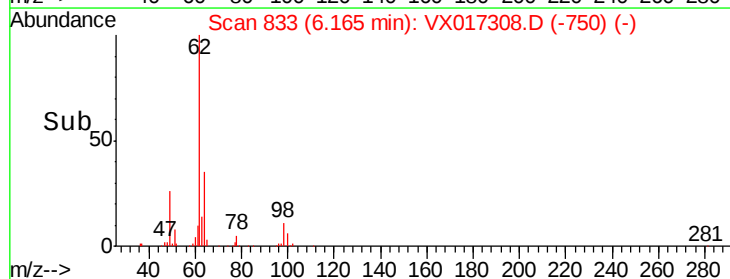
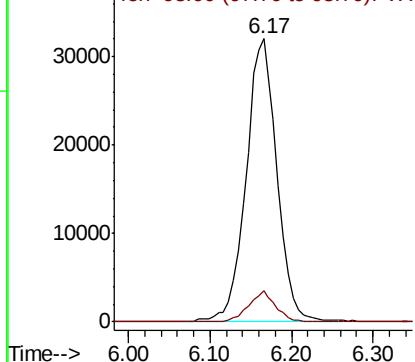


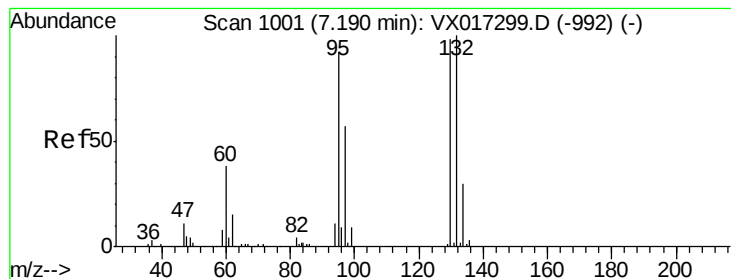
#36  
1,2-Dichloroethane  
Concen: 19.112 ug/l  
RT: 6.17 min Scan# 833  
Delta R.T. 0.01 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 84370 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.6   | 7.8   | 11.8  |



Abundance Ion 62.00 (61.70 to 62.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 18.799 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

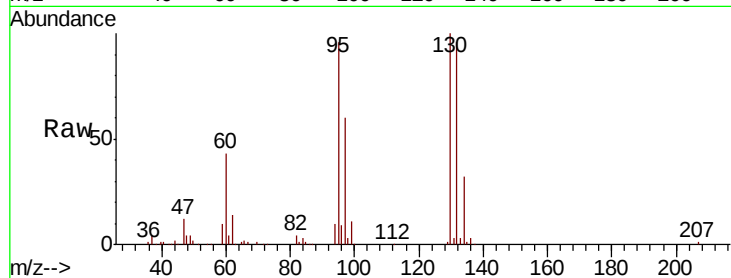
VX0709WBSD01

Tot Ion:130 Resp: 63382

Ion Ratio Lower Upper

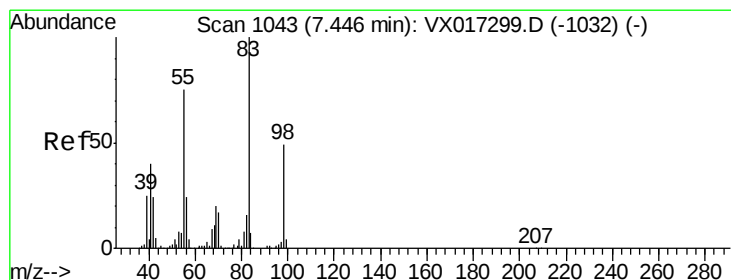
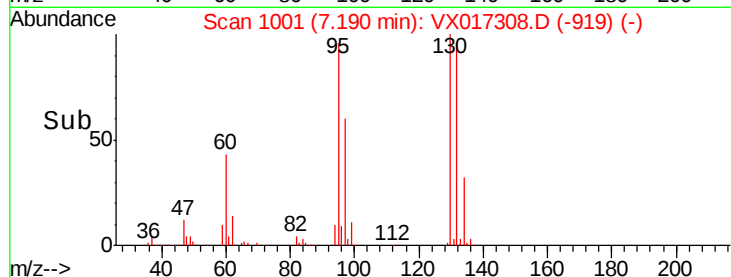
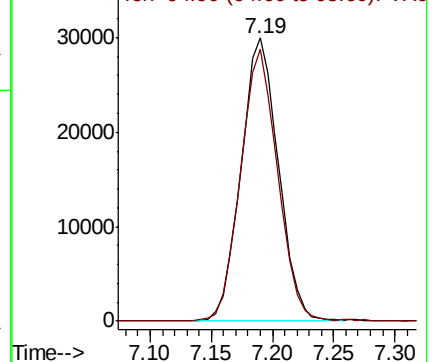
130 100

95 95.9 74.4 111.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.339 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

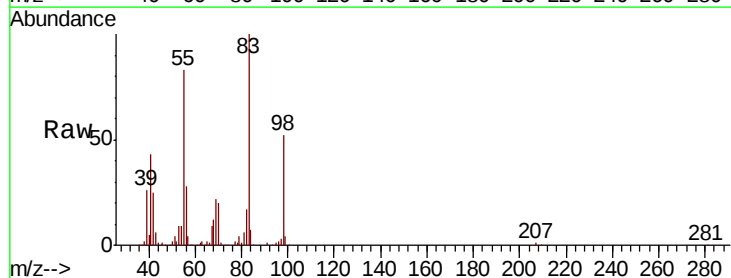
Tgt Ion: 83 Resp: 76770

Ion Ratio Lower Upper

83 100

55 79.4 39.0 117.0

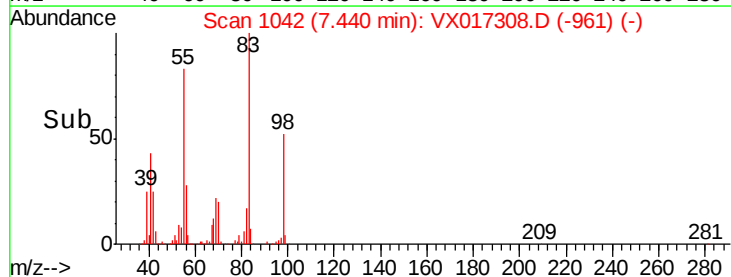
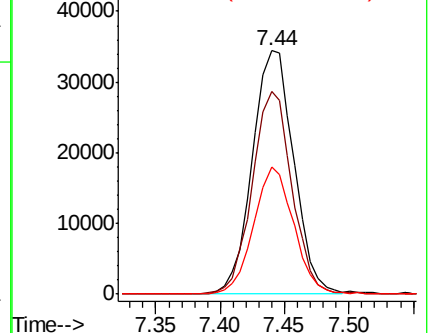
98 50.1 25.3 75.9

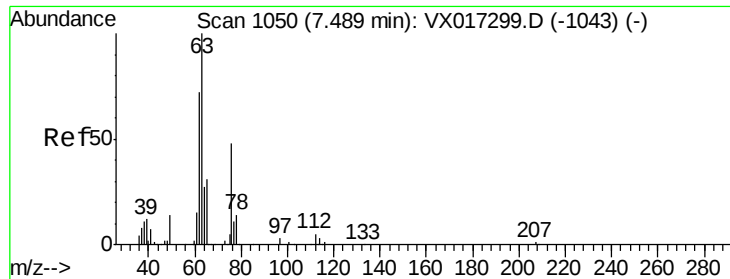


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

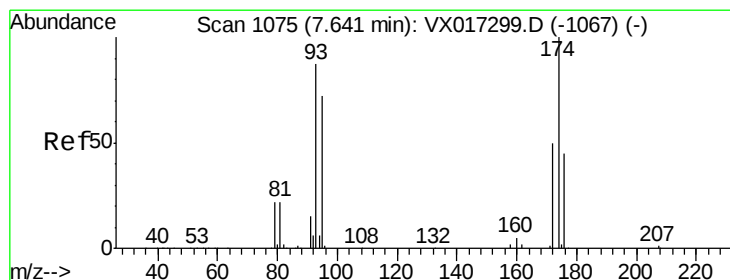
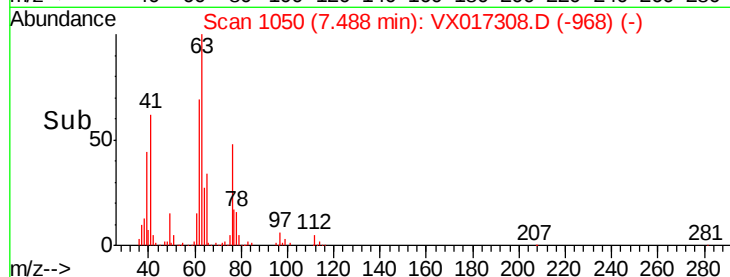
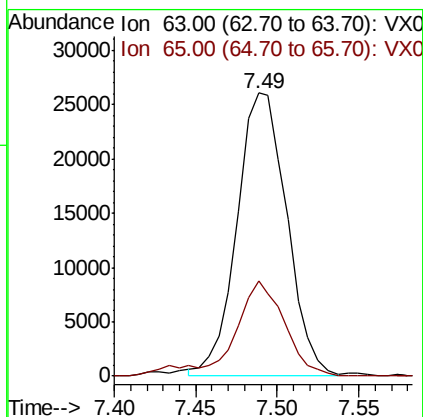
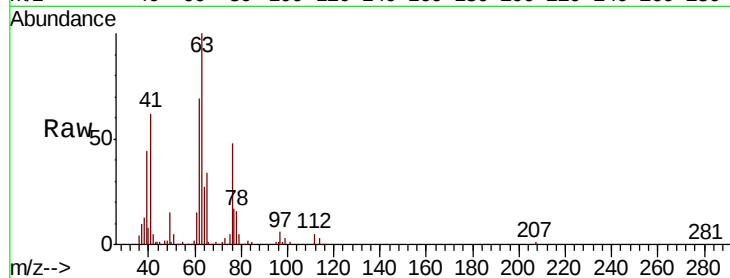




#39  
 1,2-Dichloropropane  
 Concen: 18.956 ug/l  
 RT: 7.49 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

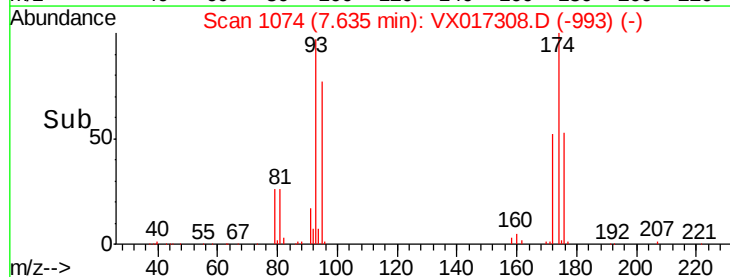
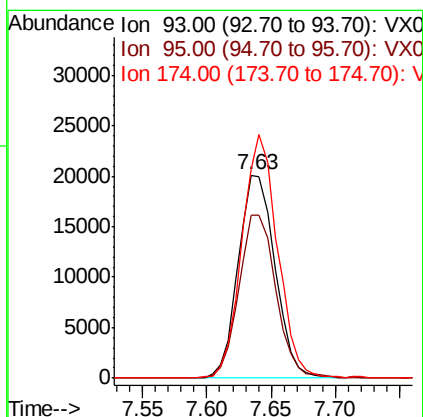
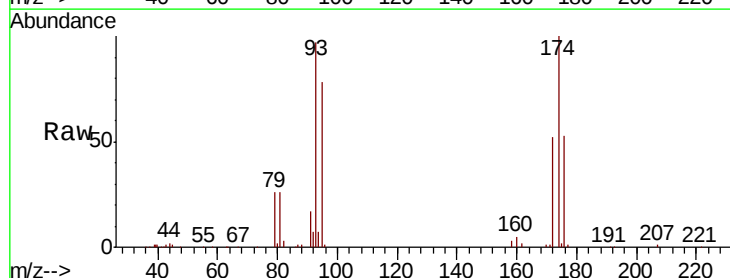
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

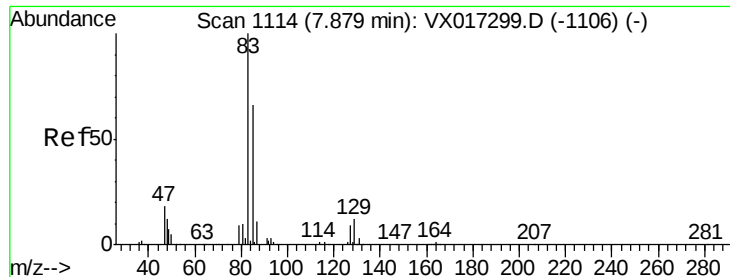
Tot Ion: 63 Resp: 55524  
 Ion Ratio Lower Upper  
 63 100  
 65 33.9 27.4 41.0



#40  
 Dibromomethane  
 Concen: 18.864 ug/l  
 RT: 7.63 min Scan# 1074  
 Delta R.T. -0.01 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

Tgt Ion: 93 Resp: 39805  
 Ion Ratio Lower Upper  
 93 100  
 95 80.0 0.0 164.4  
 174 115.0 0.0 224.8





#41

Bromodichloromethane

Concen: 18.743 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

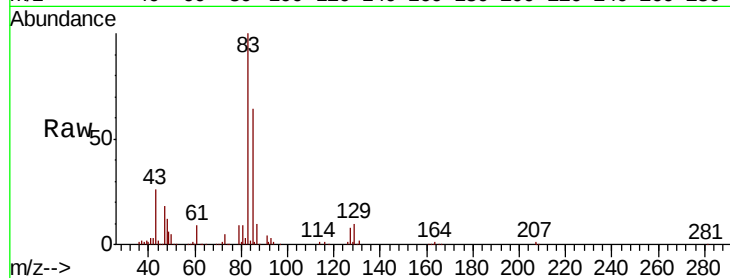
Tot Ion: 83 Resp: 82542

Ion Ratio Lower Upper

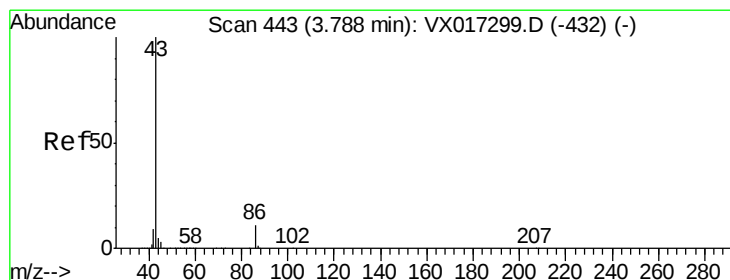
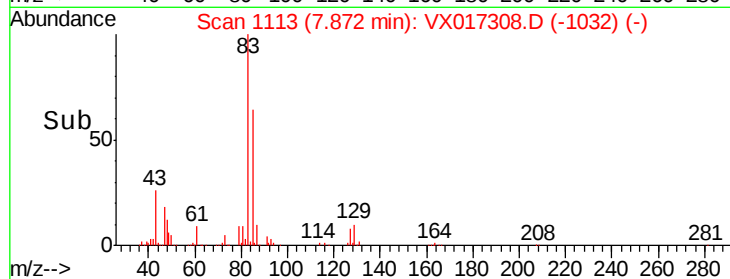
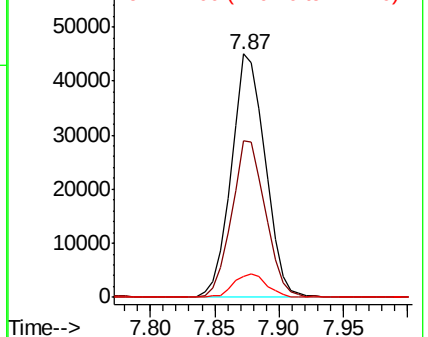
83 100

85 64.1 53.1 79.7

127 8.4 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 85.00 (84.70 to 85.70): VX0  
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 95.069 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX017308.D

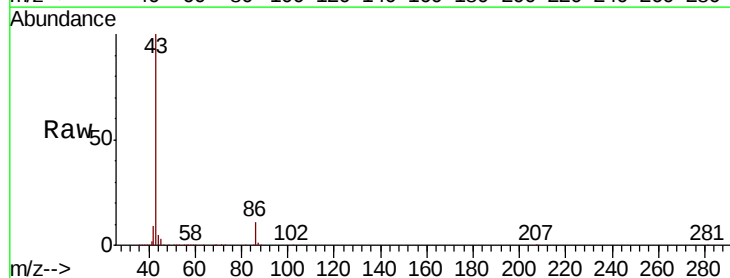
Acq: 09 Jul 2020 15:26

Tgt Ion: 43 Resp: 748622

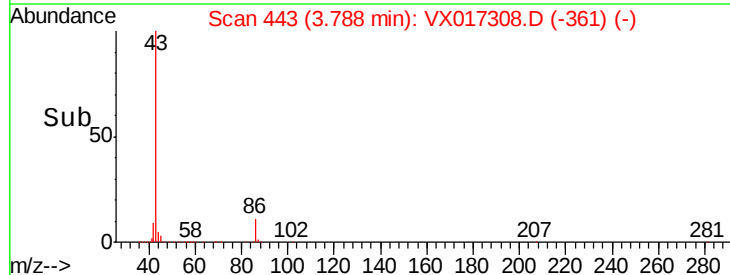
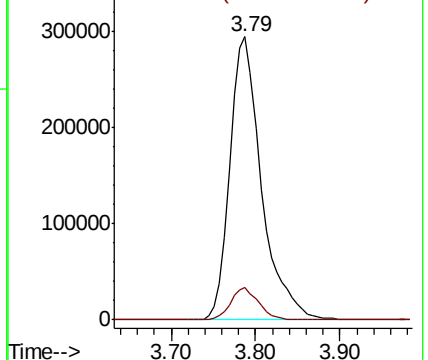
Ion Ratio Lower Upper

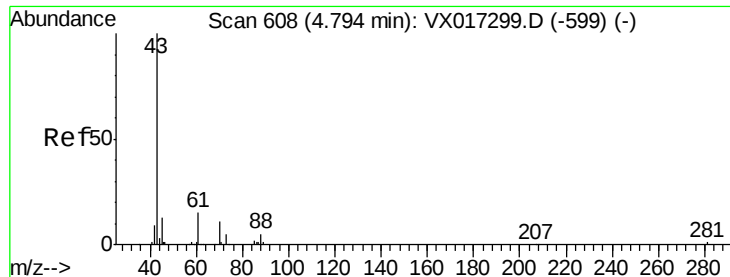
43 100

86 10.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 86.00 (85.70 to 86.70): VX0

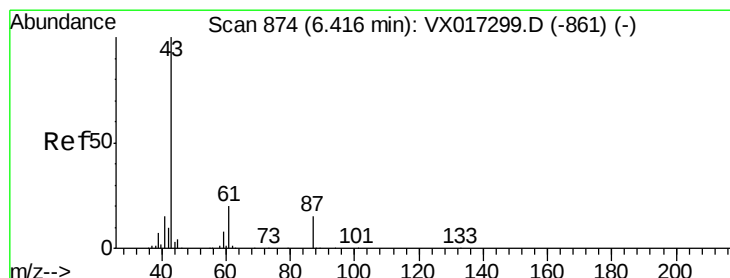
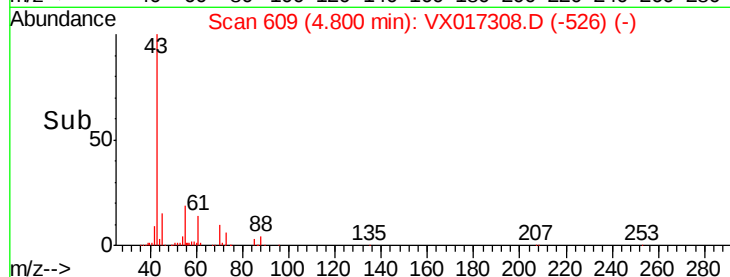
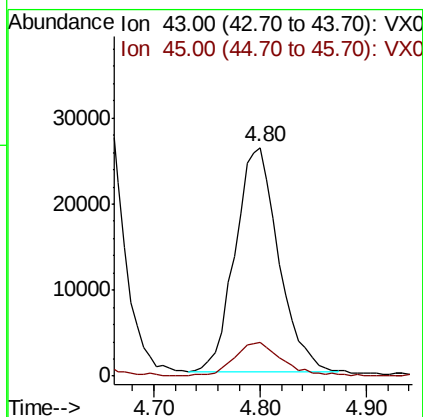
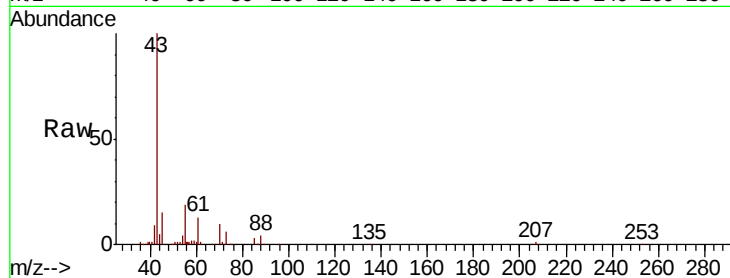




#43  
Ethyl Acetate  
Concen: 18.415 ug/l  
RT: 4.80 min Scan# 609  
Delta R.T. 0.01 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

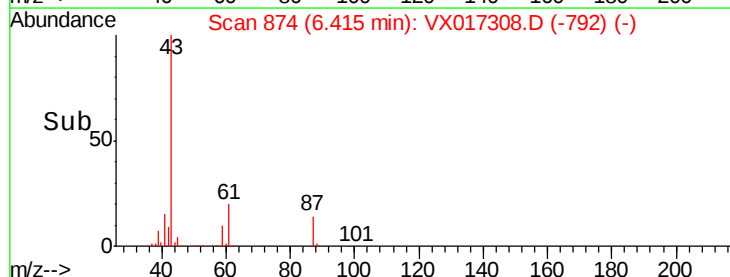
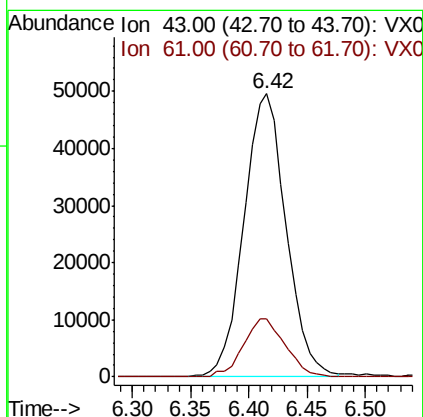
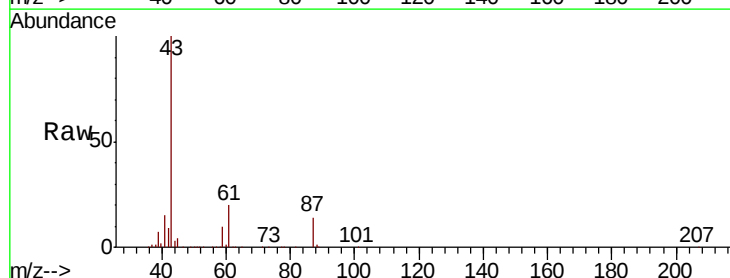
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

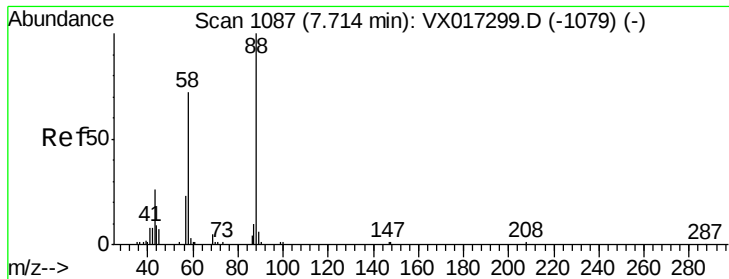
Tot Ion: 43 Resp: 74639  
Ion Ratio Lower Upper  
43 100  
45 16.1 12.1 18.1



#44  
Isopropyl Acetate  
Concen: 18.396 ug/l  
RT: 6.42 min Scan# 874  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Tgt Ion: 43 Resp: 124058  
Ion Ratio Lower Upper  
43 100  
61 20.6 15.7 23.5



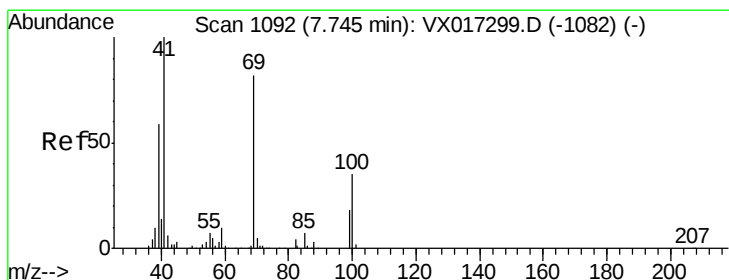
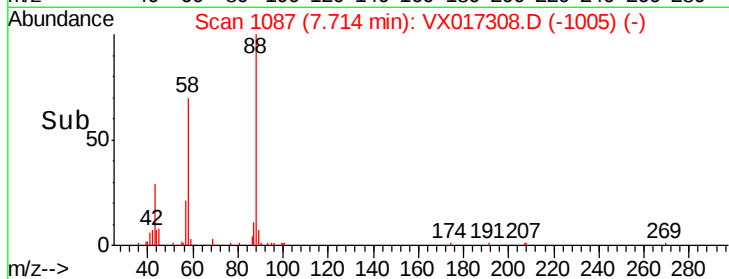
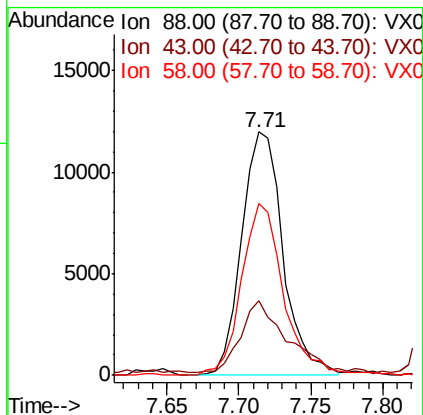
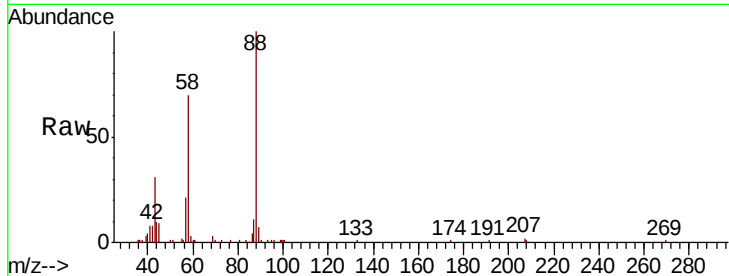


#45  
 1,4-Dioxane  
 Concen: 370.801 ug/l  
 RT: 7.71 min Scan# 1087  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

Tot Ion: 88 Resp: 23835  

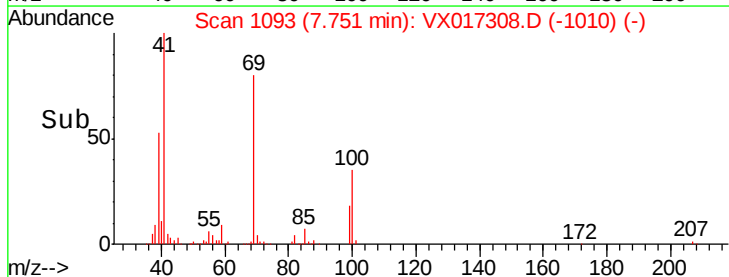
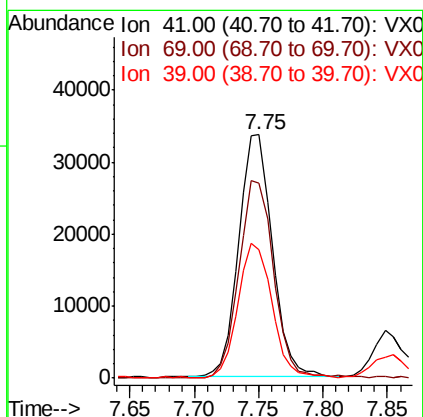
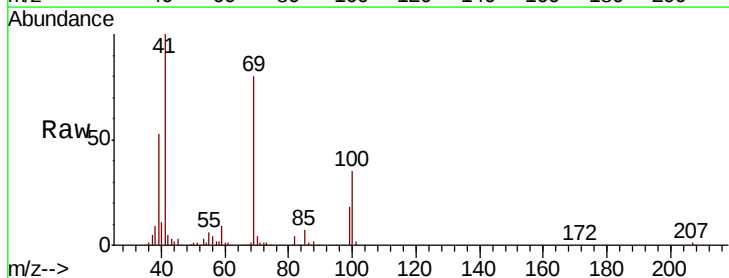
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 31.4  | 29.0  | 43.4  |
| 58  | 71.1  | 58.3  | 87.5  |

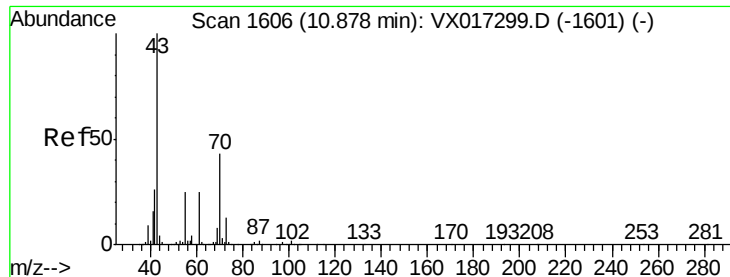


#46  
 Methyl methacrylate  
 Concen: 18.525 ug/l  
 RT: 7.75 min Scan# 1093  
 Delta R.T. 0.01 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

Tgt Ion: 41 Resp: 60856  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 80.3  | 41.1  | 123.3 |
| 39  | 52.7  | 29.2  | 87.6  |





#47

n-amvl Acetate

Concen: 18.277 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

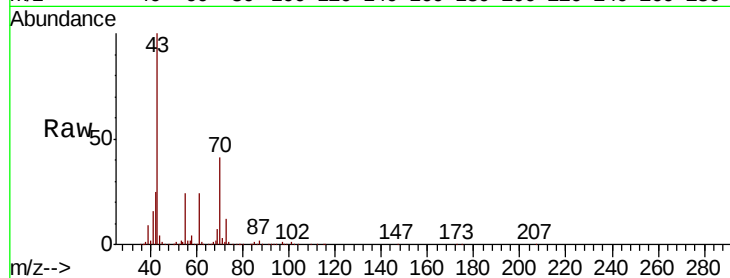
VX0709WBSD01

Tot Ion: 43 Resp: 109137

Ion Ratio Lower Upper

43 100

55 24.8 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.88

80000

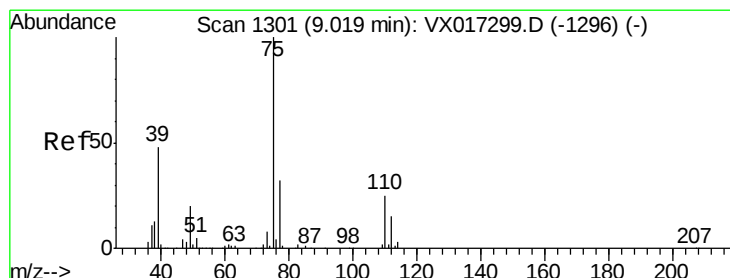
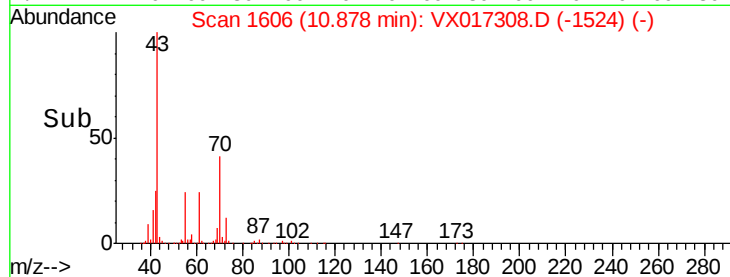
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.236 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX017308.D

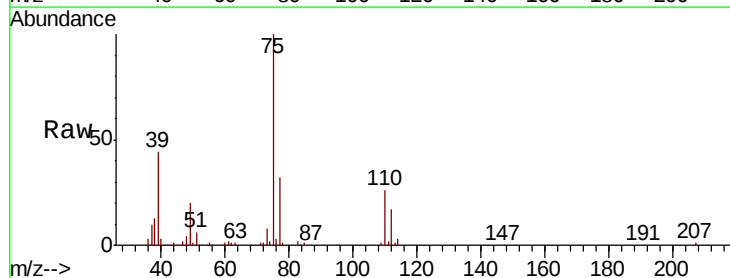
Acq: 09 Jul 2020 15:26

Tgt Ion: 75 Resp: 88655

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.02

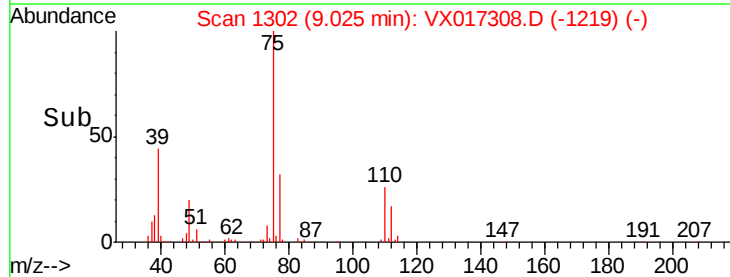
60000

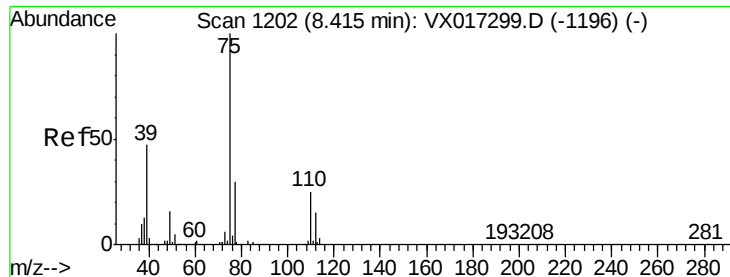
40000

20000

0

Time-->



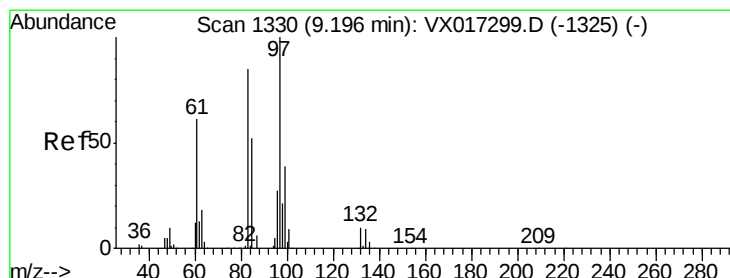
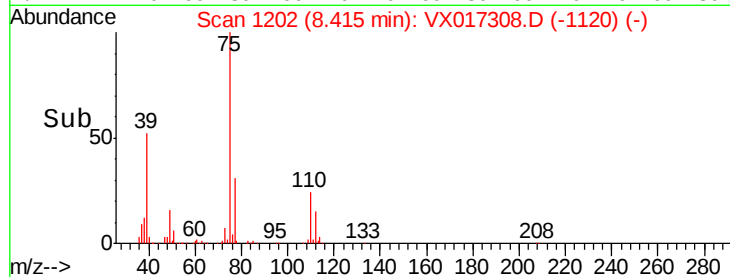
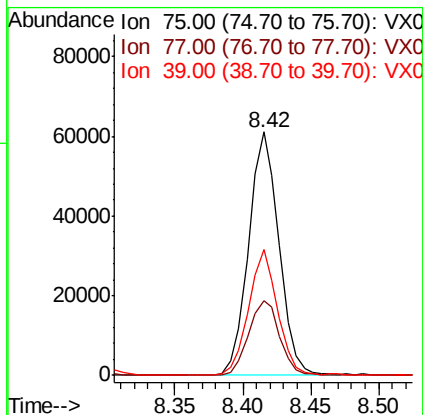
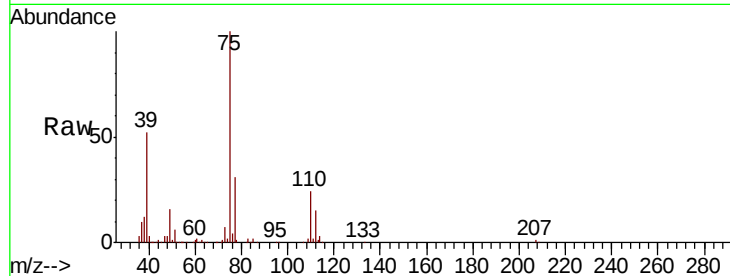


#49

cis-1,3-Dichloropropene  
 Concen: 18.773 ug/l  
 RT: 8.42 min Scan# 1202  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

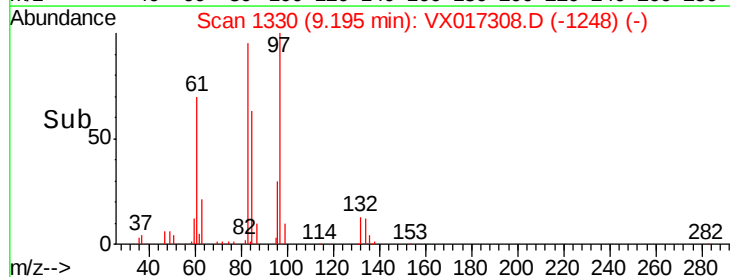
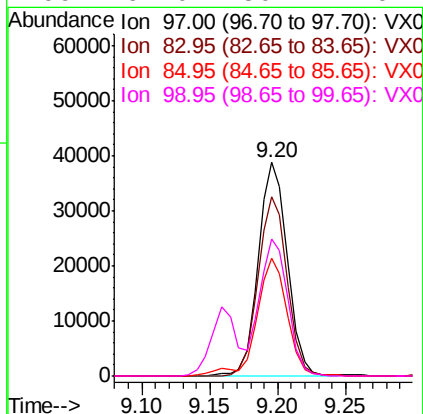
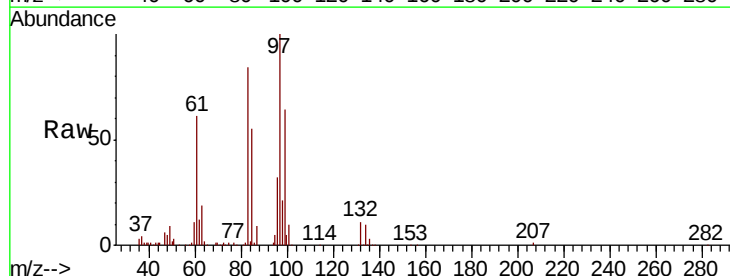
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.9  | 23.6  | 35.4  |
| 39      | 51.5  | 37.5  | 56.3  |

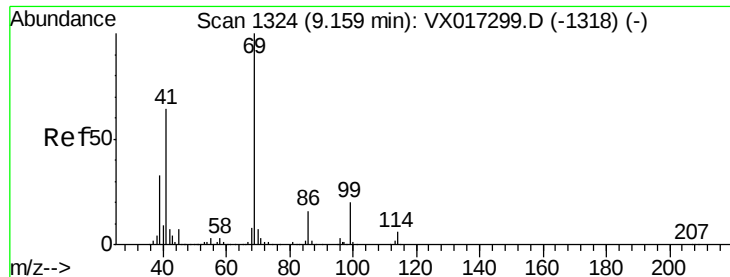


#50

1,1,2-Trichloroethane  
 Concen: 18.672 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 84.0  | 67.9  | 101.9 |
| 85      | 55.1  | 42.6  | 64.0  |
| 99      | 64.0  | 50.7  | 76.1  |





#51

Ethyl methacrylate

Concen: 18.133 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

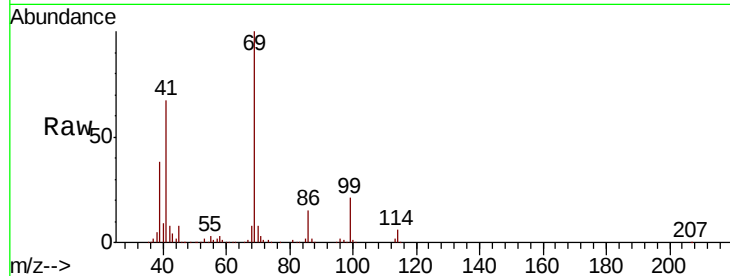
Tot Ion: 69 Resp: 82591

Ion Ratio Lower Upper

69 100

41 66.7 32.1 96.5

39 37.8 16.3 48.9

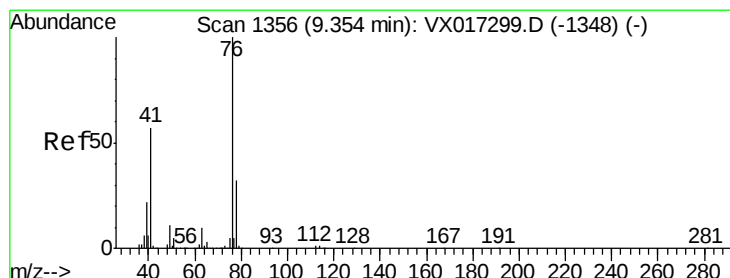
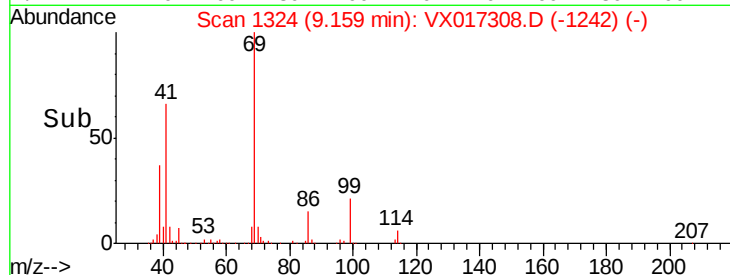
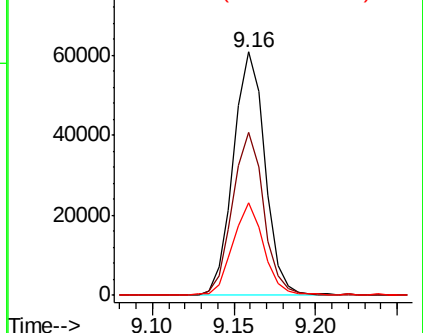


Abundance

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



#52

1,3-Dichloropropane

Concen: 18.992 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017308.D

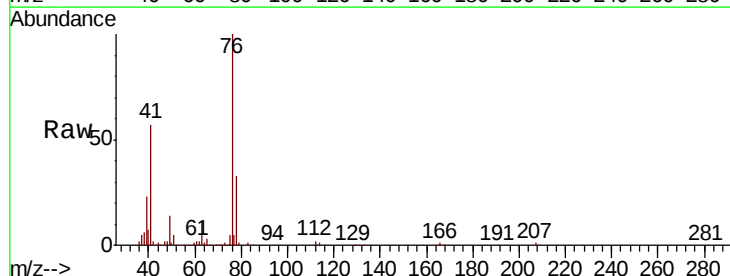
Acq: 09 Jul 2020 15:26

Tgt Ion: 76 Resp: 96709

Ion Ratio Lower Upper

76 100

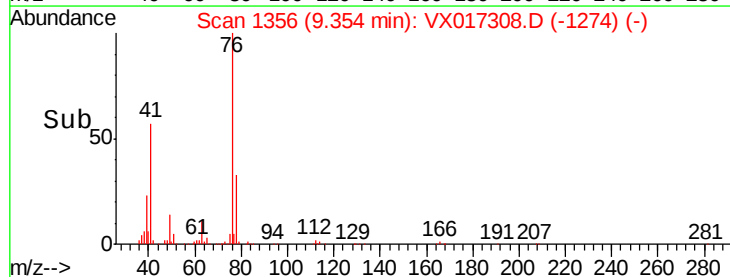
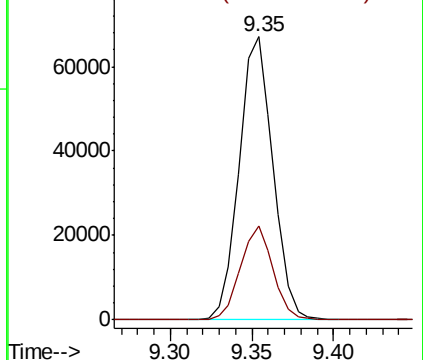
78 32.2 0.0 65.6

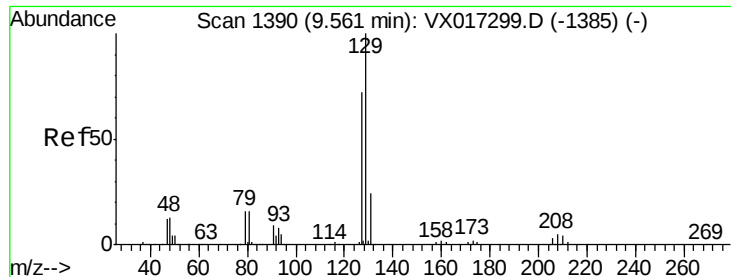


Abundance

Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 18.177 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

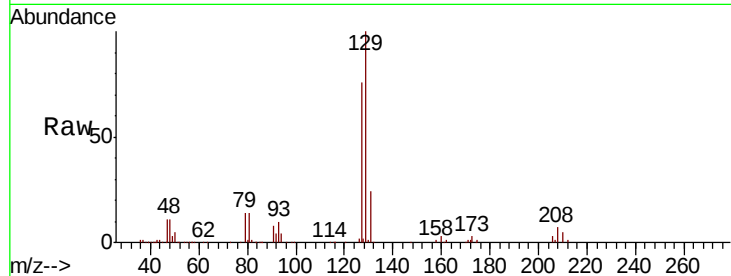
VX0709WBSD01

Tot Ion:129 Resp: 69365

Ion Ratio Lower Upper

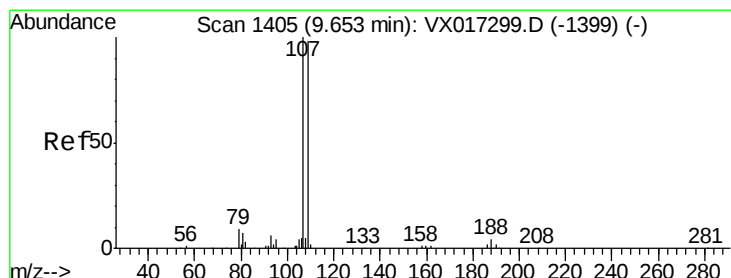
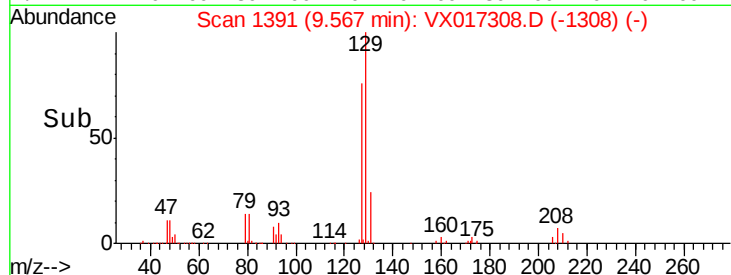
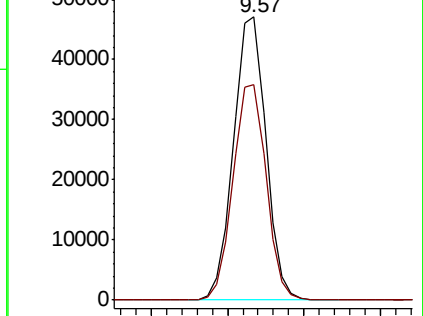
129 100

127 77.7 37.5 112.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.493 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017308.D

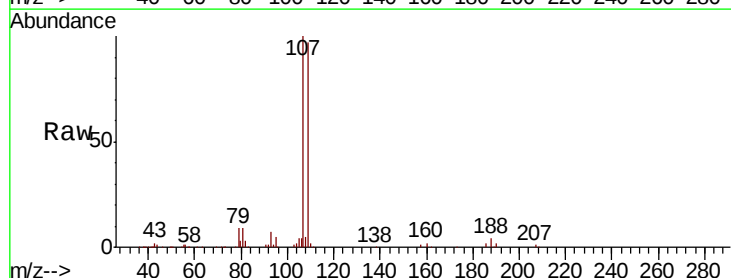
Acq: 09 Jul 2020 15:26

Tgt Ion:107 Resp: 61812

Ion Ratio Lower Upper

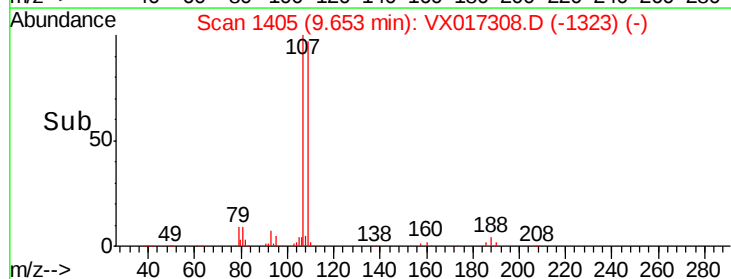
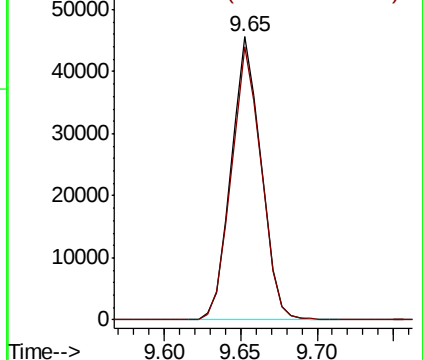
107 100

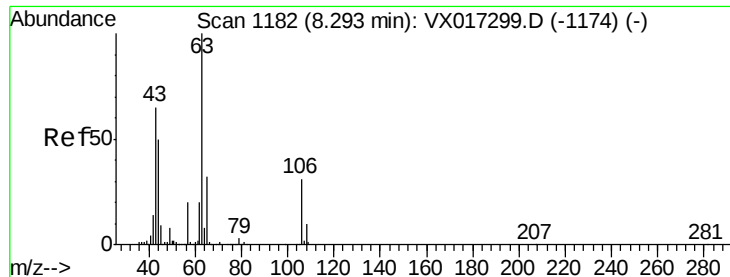
109 96.9 76.9 115.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 105.105 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

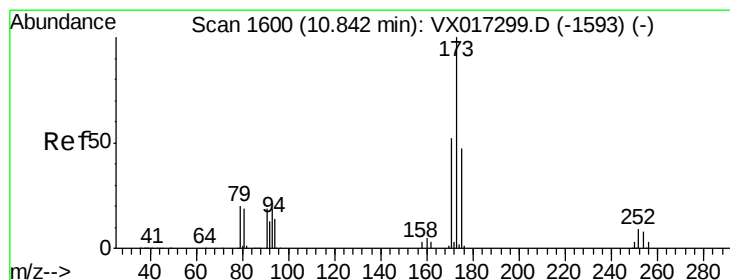
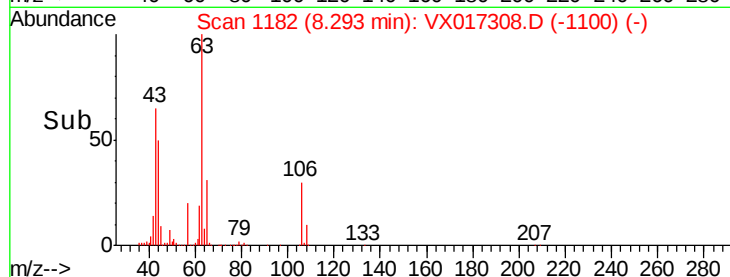
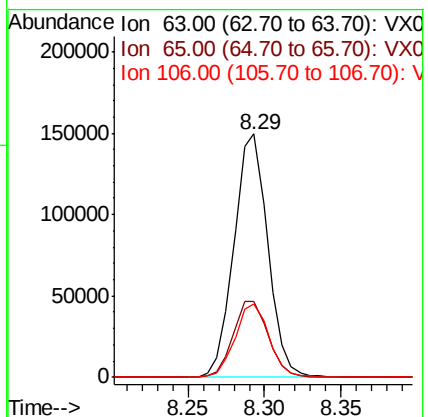
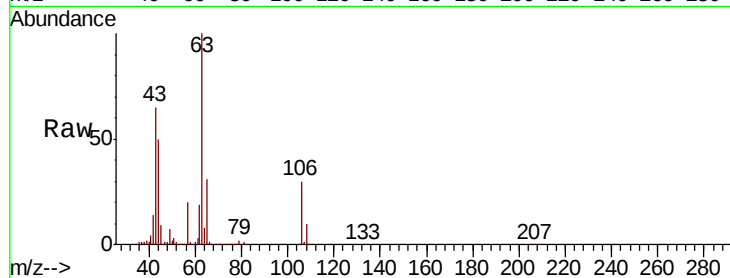
Tot Ion: 63 Resp: 229585

Ion Ratio Lower Upper

63 100

65 32.5 25.4 38.0

106 30.6 24.5 36.7



#56

Bromoform

Concen: 17.743 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

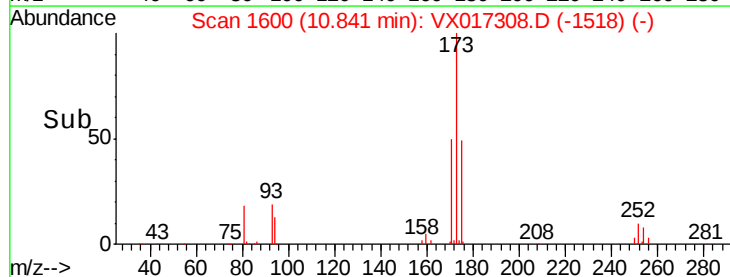
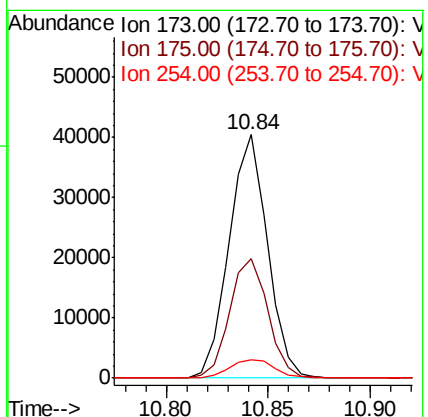
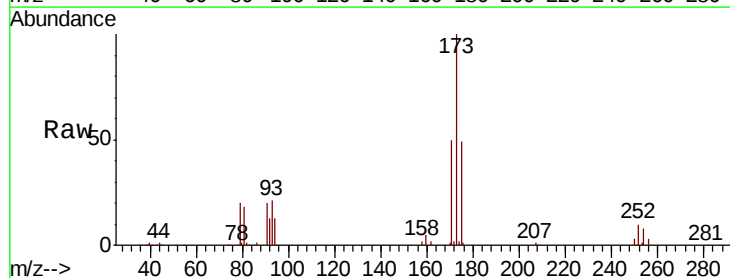
Tgt Ion:173 Resp: 52818

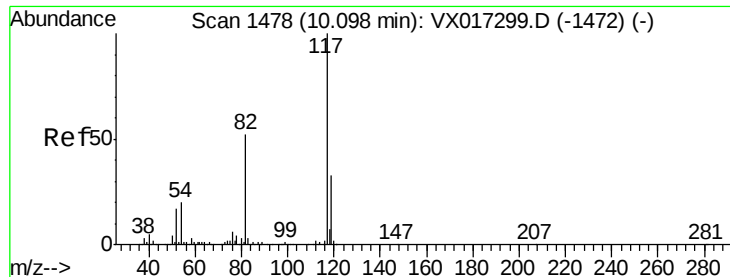
Ion Ratio Lower Upper

173 100

175 49.1 38.4 57.6

254 8.9 7.0 10.4

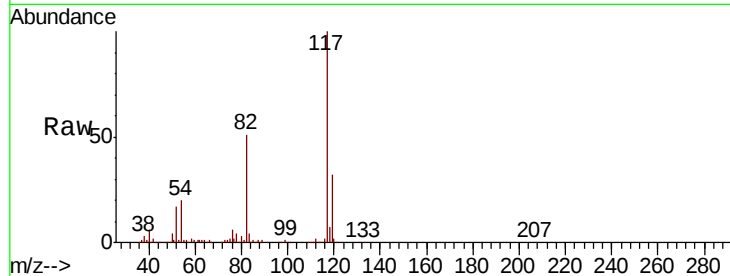




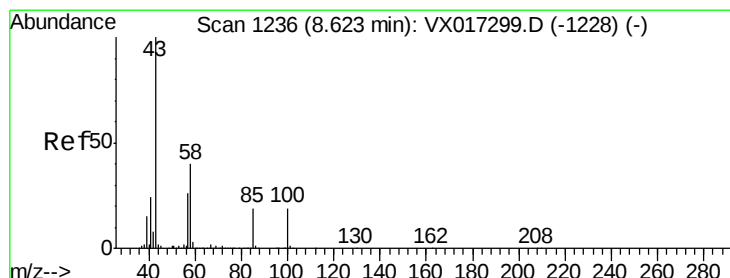
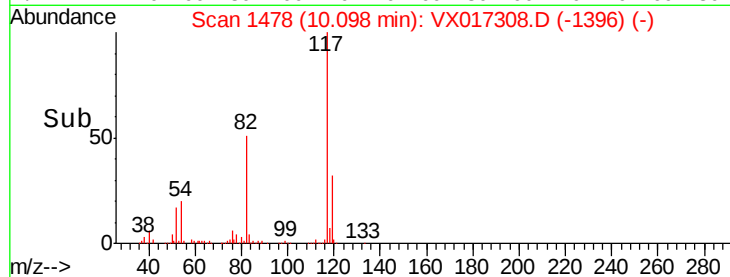
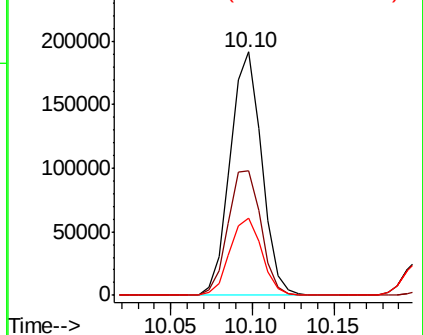
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0709WBSD01

Tot Ion:117 Resp: 257893  
Ion Ratio Lower Upper  
117 100  
82 53.4 42.2 63.4  
119 32.2 26.4 39.6

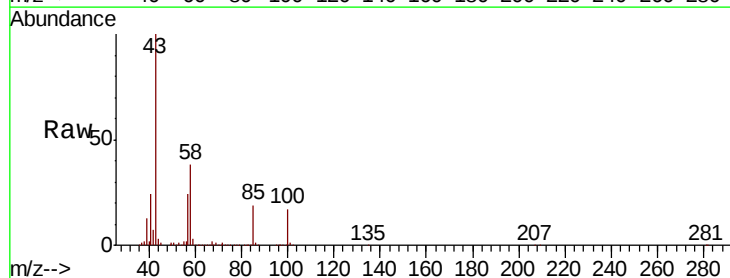


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 119.00 (118.70 to 119.70): V

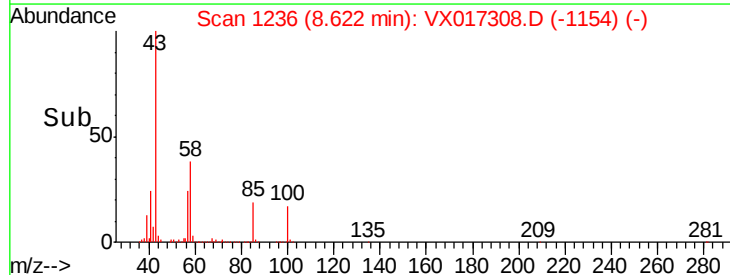
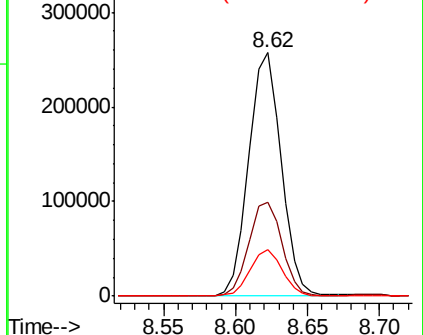


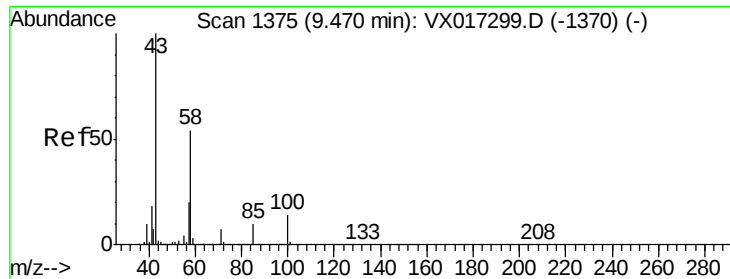
#58  
4-Methyl-2-Pentanone  
Concen: 98.061 ug/l  
RT: 8.62 min Scan# 1236  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Tgt Ion: 43 Resp: 400712  
Ion Ratio Lower Upper  
43 100  
58 39.6 32.2 48.2  
85 19.0 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0  
Ion 85.00 (84.70 to 85.70): VX0

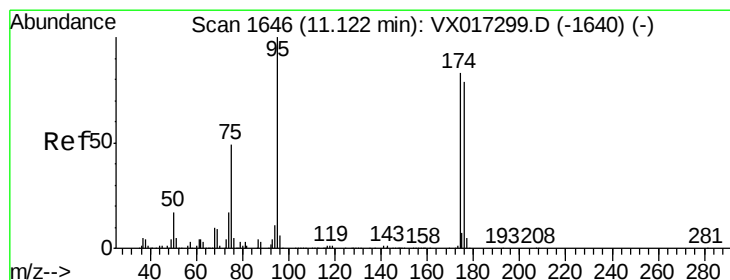
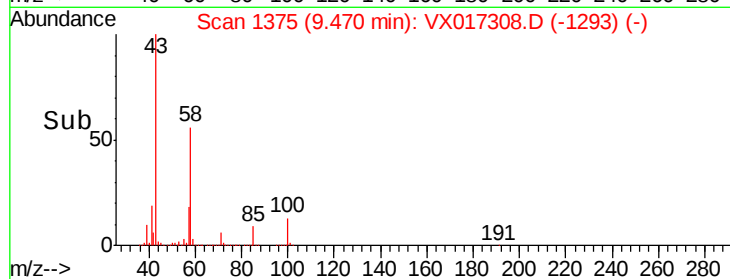
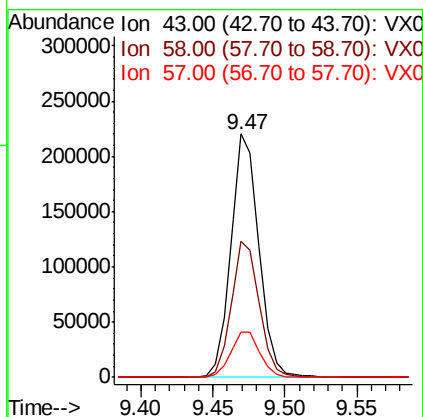
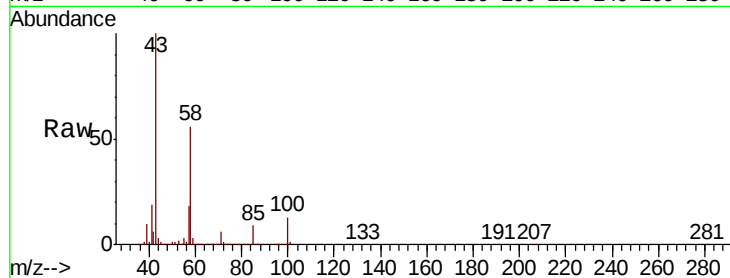




#59  
2-Hexanone  
Concen: 96.279 ug/l  
RT: 9.47 min Scan# 1375  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

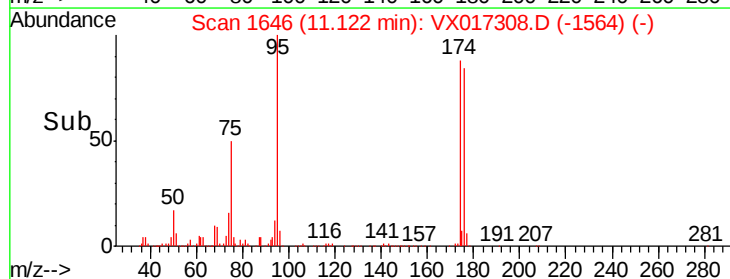
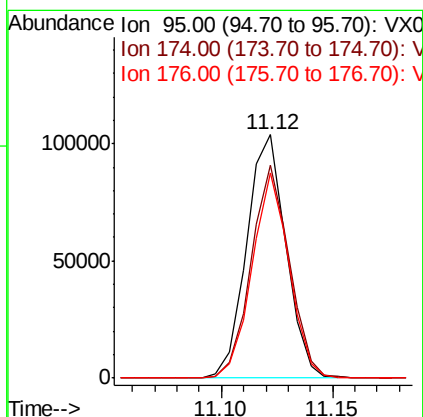
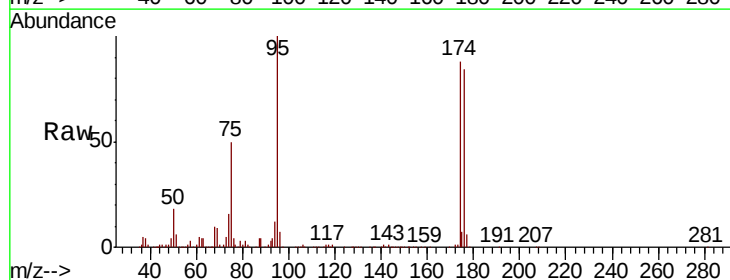
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

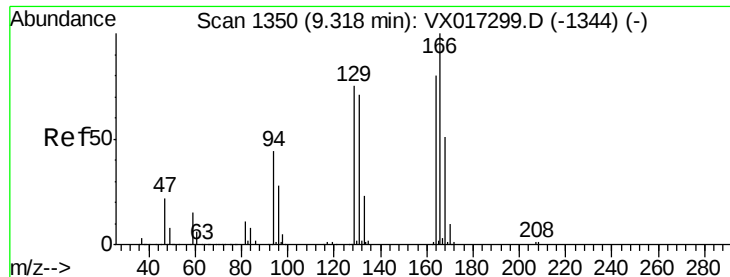
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 55.5  | 43.4  | 65.0  |
| 57      | 19.6  | 15.1  | 22.7  |



#60  
4-Bromofluorobenzene  
Concen: 29.095 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 84.9  | 66.9  | 100.3 |
| 176     | 79.5  | 65.5  | 98.3  |





#61

Tetrachloroethene

Concen: 19.757 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

Tot Ion:164 Resp: 64907

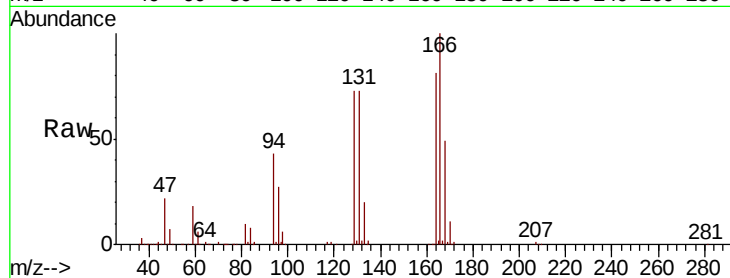
Ion Ratio Lower Upper

164 100

166 122.9 99.8 149.6

129 89.6 74.4 111.6

131 90.2 70.6 105.8

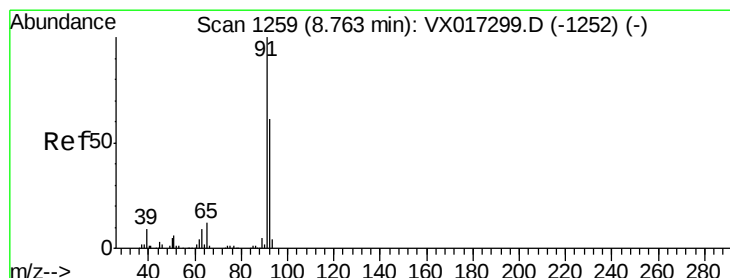
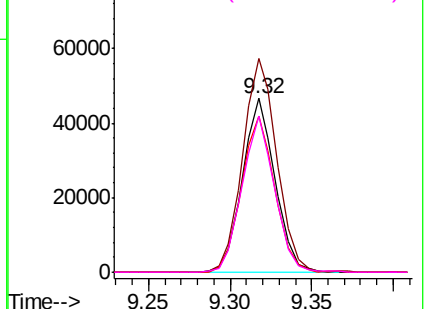
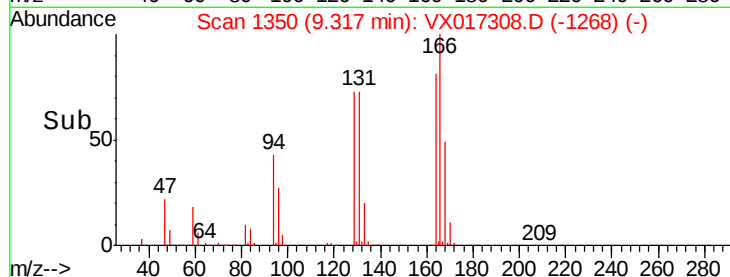


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.300 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017308.D

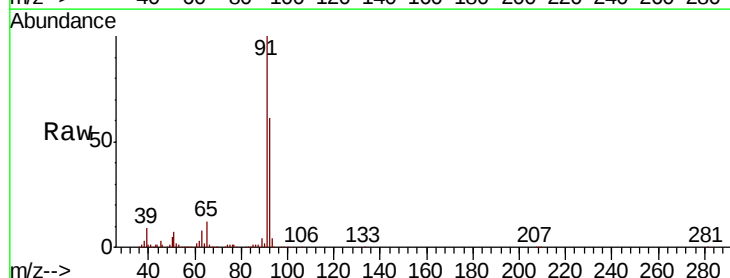
Acq: 09 Jul 2020 15:26

Tgt Ion: 91 Resp: 235635

Ion Ratio Lower Upper

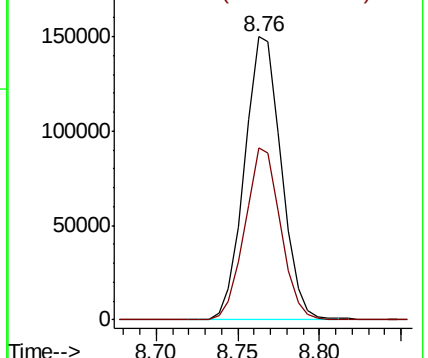
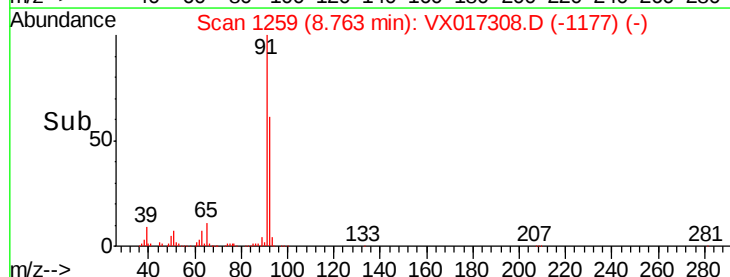
91 100

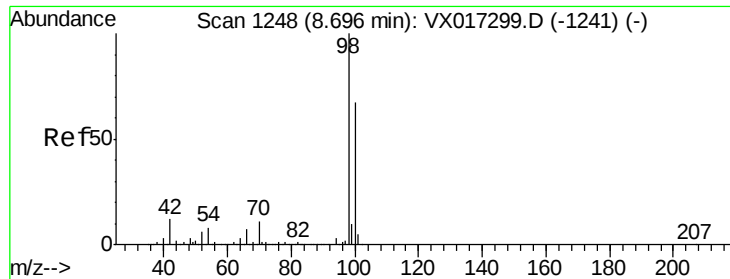
92 59.2 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.535 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

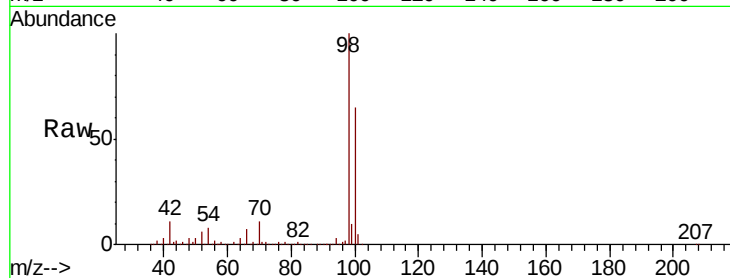
VX0709WBSD01

Tot Ion: 98 Resp: 333096

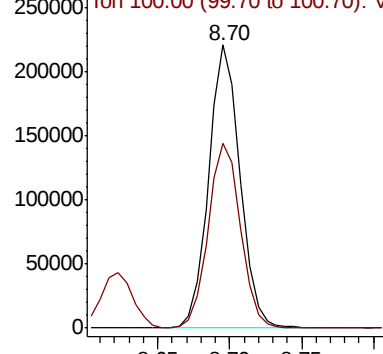
Ion Ratio Lower Upper

98 100

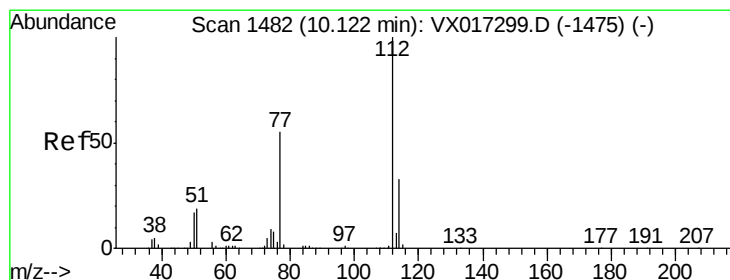
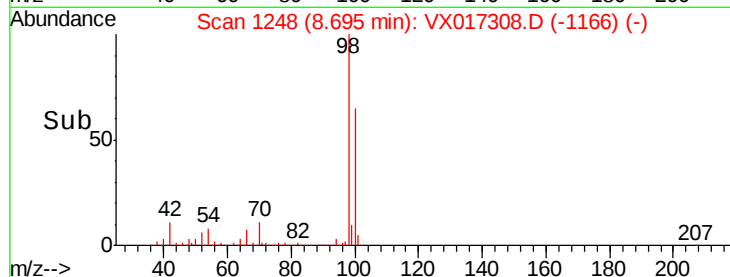
100 67.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VX017299.D (-1241) (-)



Time-->



#64

Chlorobenzene

Concen: 18.658 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017308.D

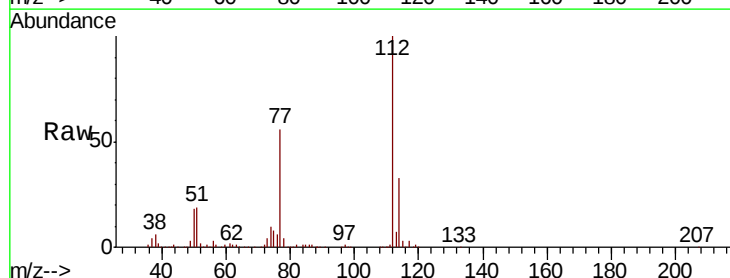
Acq: 09 Jul 2020 15:26

Tgt Ion: 112 Resp: 151978

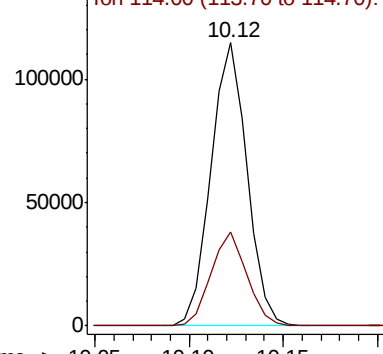
Ion Ratio Lower Upper

112 100

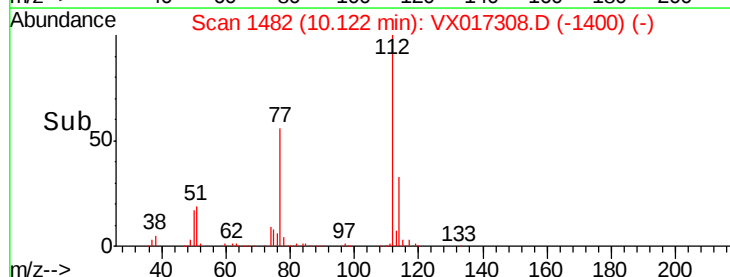
114 33.2 26.2 39.2

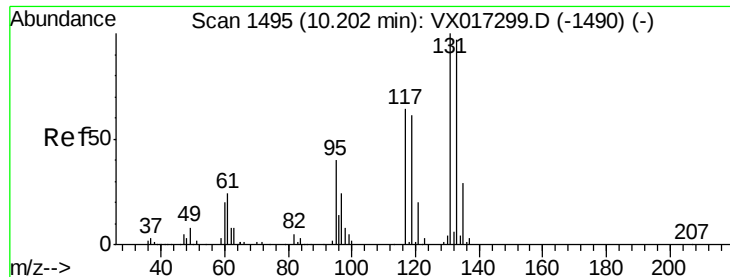


Abundance Ion 112.00 (111.70 to 112.70): VX017299.D (-1475) (-)



Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 18.832 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

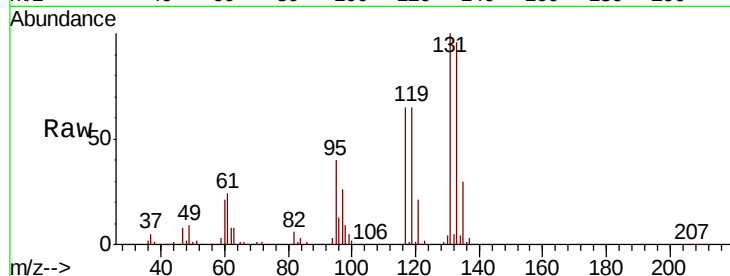
Tot Ion:131 Resp: 62673

Ion Ratio Lower Upper

131 100

133 95.0 0.0 196.8

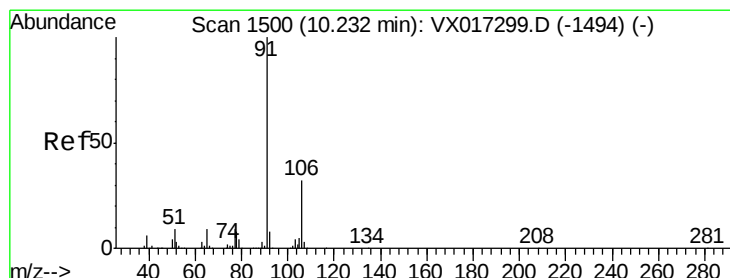
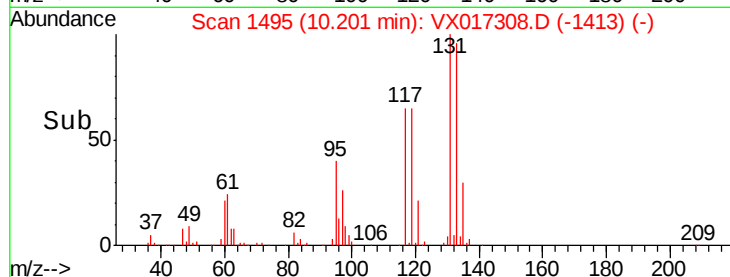
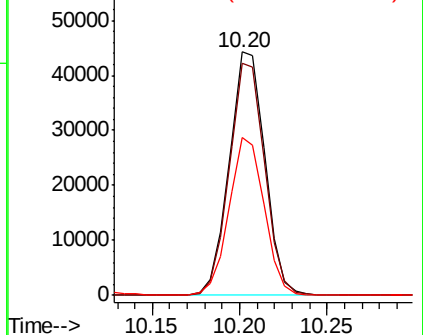
119 64.4 0.0 126.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.699 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017308.D

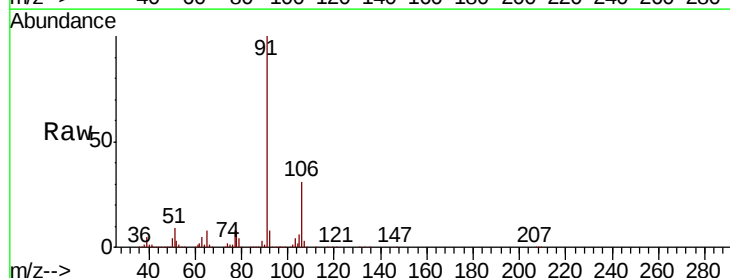
Acq: 09 Jul 2020 15:26

Tgt Ion: 91 Resp: 256902

Ion Ratio Lower Upper

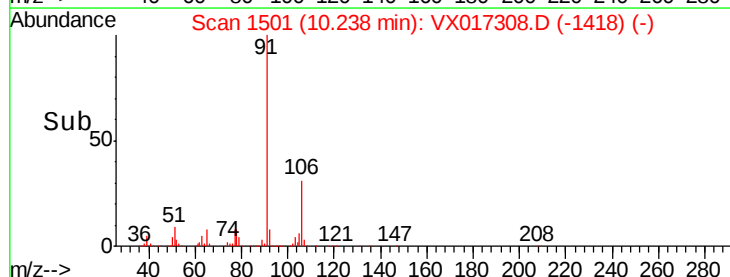
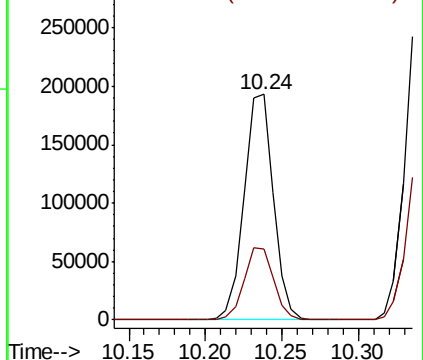
91 100

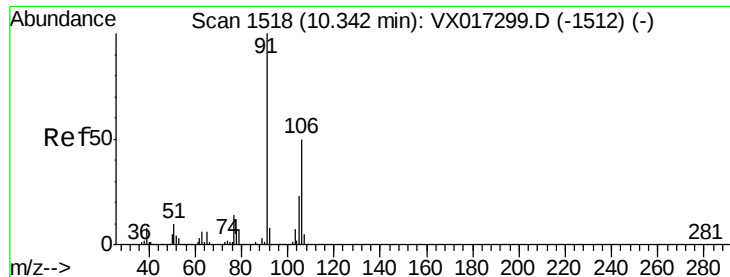
106 31.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.041 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

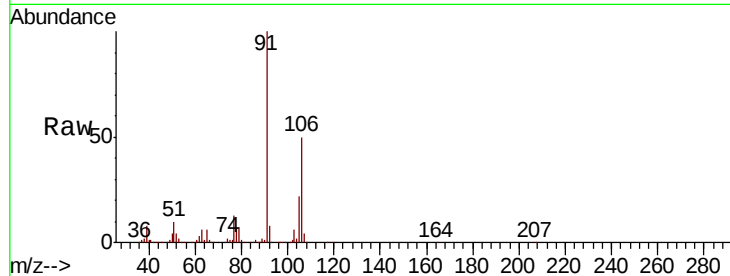
VX0709WBSD01

Tot Ion:106 Resp: 201910

Ion Ratio Lower Upper

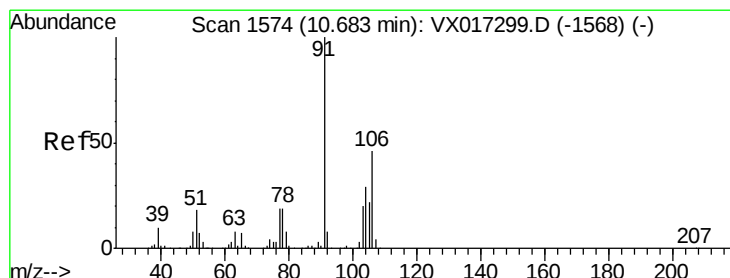
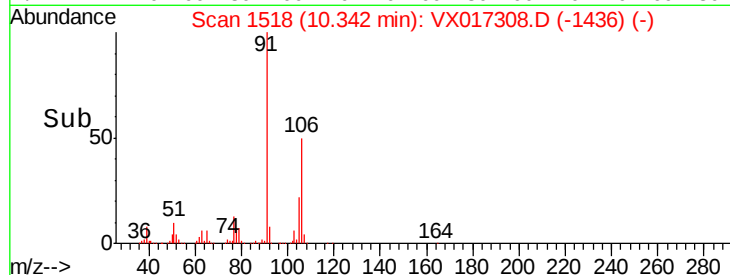
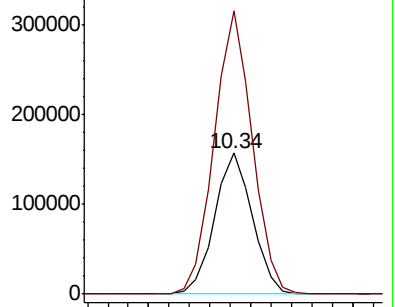
106 100

91 202.2 159.7 239.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.604 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017308.D

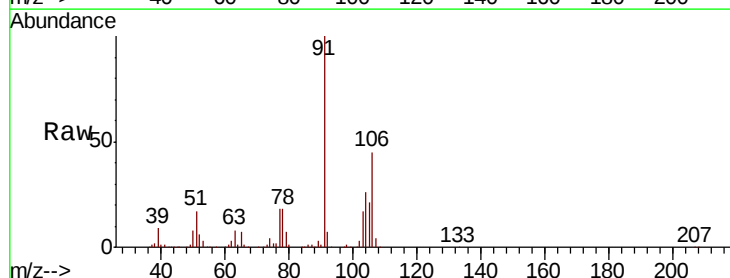
Acq: 09 Jul 2020 15:26

Tgt Ion:106 Resp: 93834

Ion Ratio Lower Upper

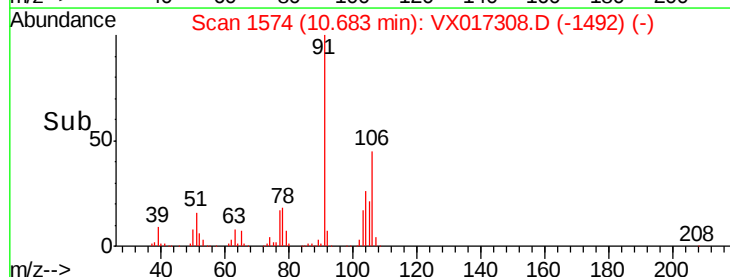
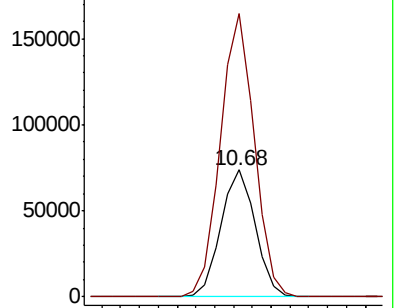
106 100

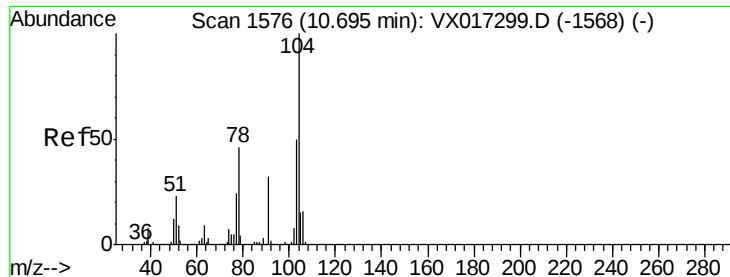
91 219.0 109.6 328.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

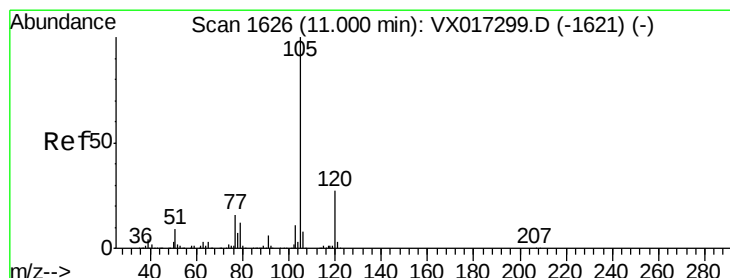
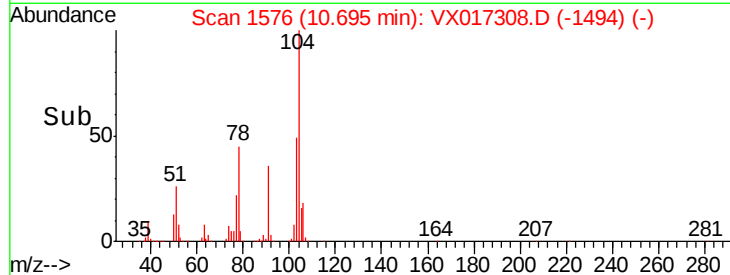
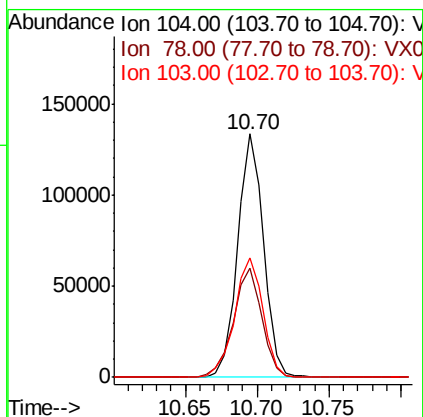
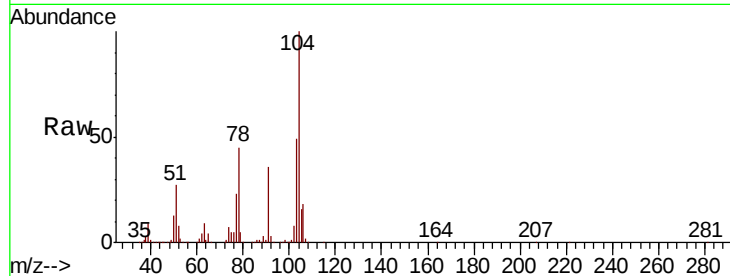




#69  
Stvrene  
Concen: 18.654 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

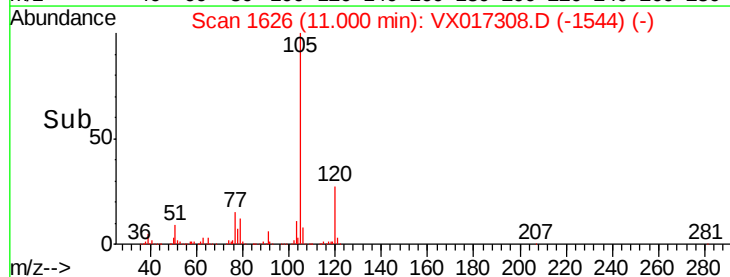
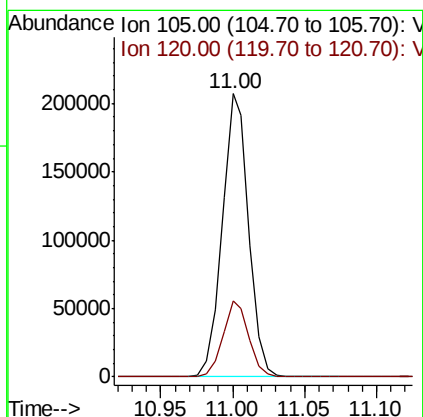
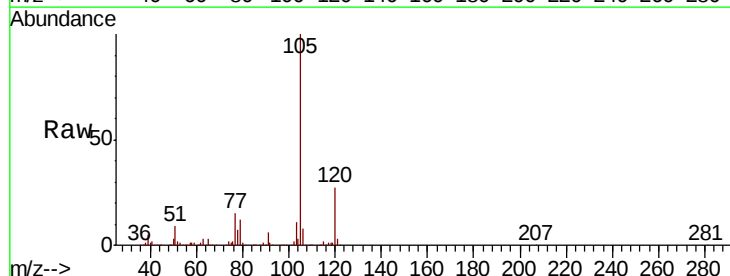
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0709WBSD01

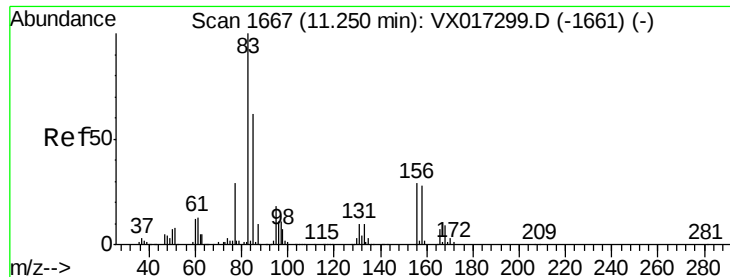
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.8  | 40.8  | 61.2  |
| 103     | 54.0  | 44.3  | 66.5  |



#70  
Isopropylbenzene  
Concen: 19.165 ug/l  
RT: 11.00 min Scan# 1626  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.1  | 19.3  | 35.8  |





#71

1,1,2,2-Tetrachloroethane

Concen: 19.195 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

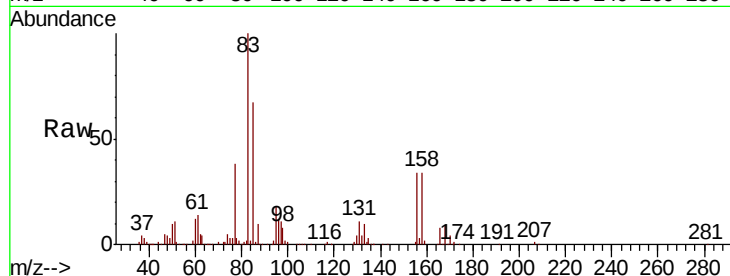
Tot Ion: 83 Resp: 83289

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.5

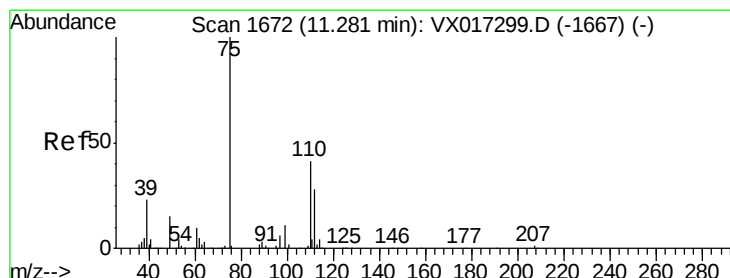
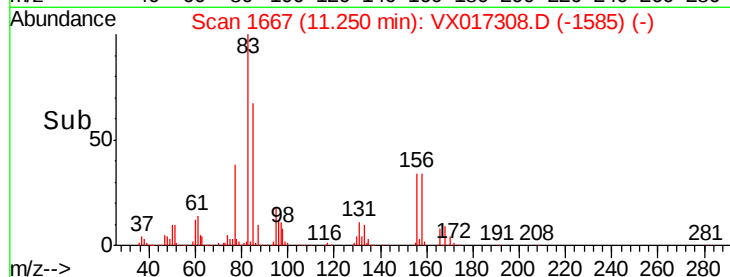
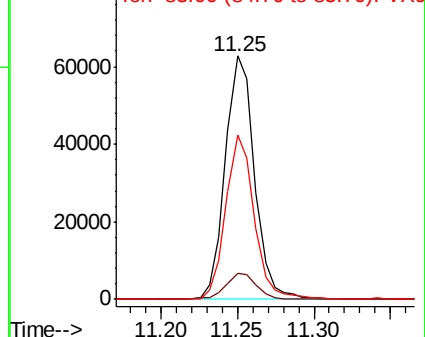
85 65.7 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 24.789 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX017308.D

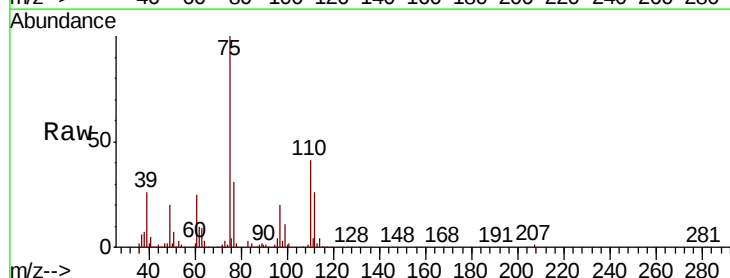
Acq: 09 Jul 2020 15:26

Tgt Ion: 75 Resp: 105657

Ion Ratio Lower Upper

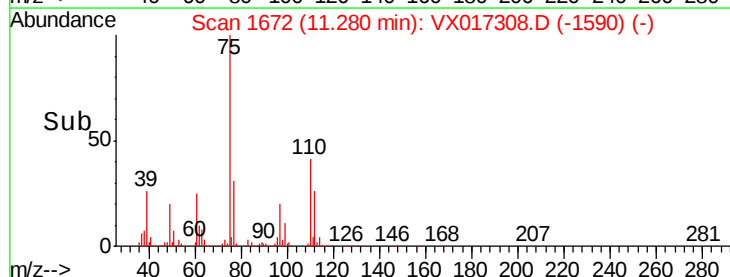
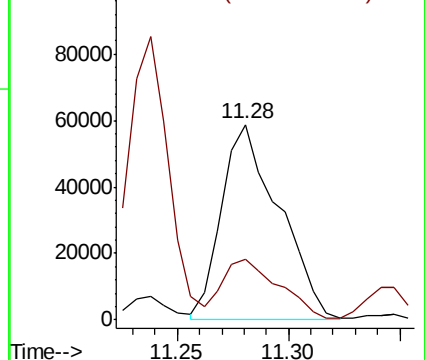
75 100

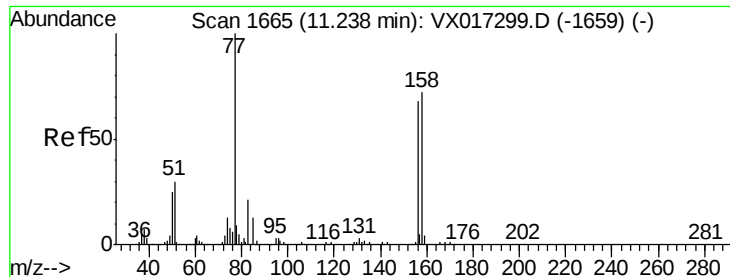
77 29.1 0.0 72.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 18.622 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

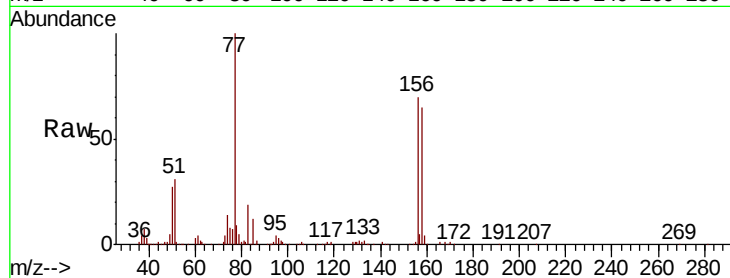
Tot Ion:156 Resp: 72388

Ion Ratio Lower Upper

156 100

77 150.7 0.0 299.2

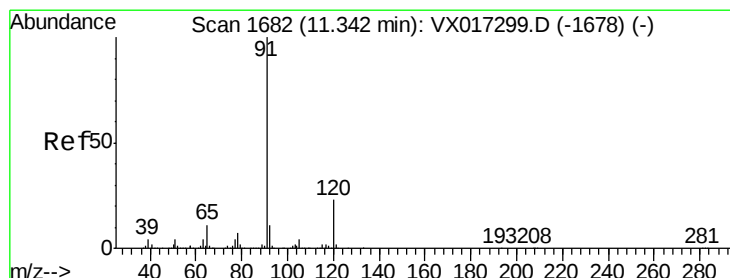
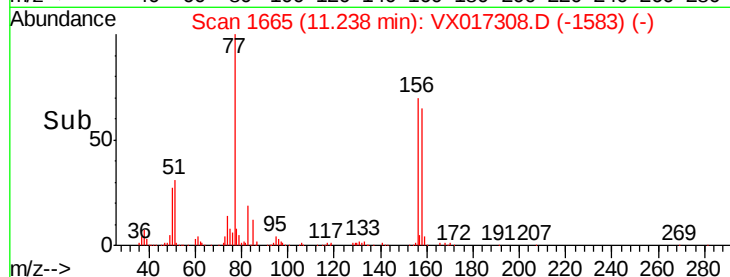
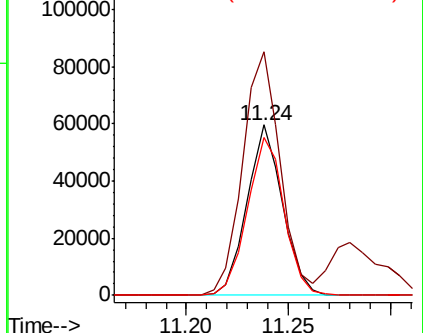
158 95.7 0.0 199.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.851 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017308.D

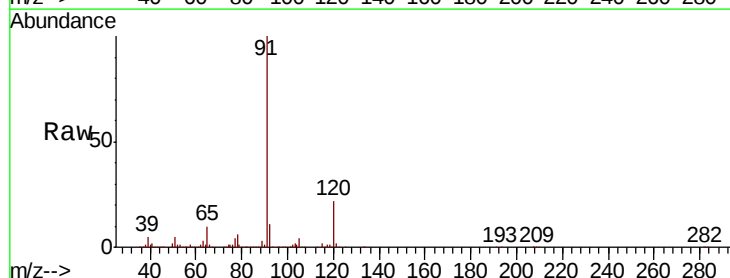
Acq: 09 Jul 2020 15:26

Tgt Ion: 91 Resp: 302138

Ion Ratio Lower Upper

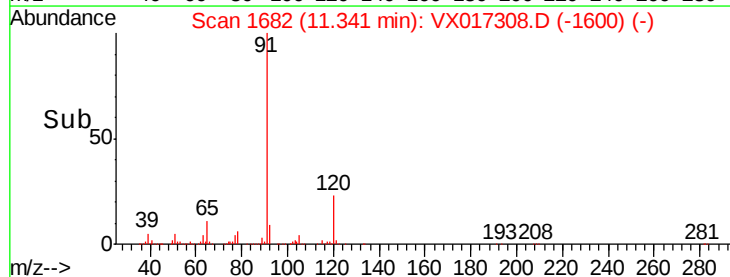
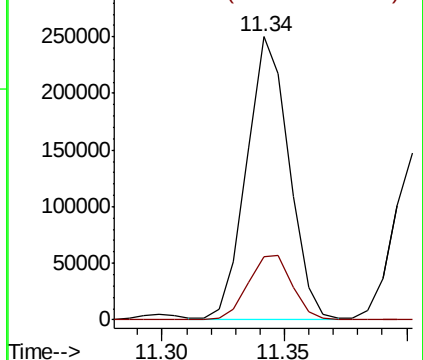
91 100

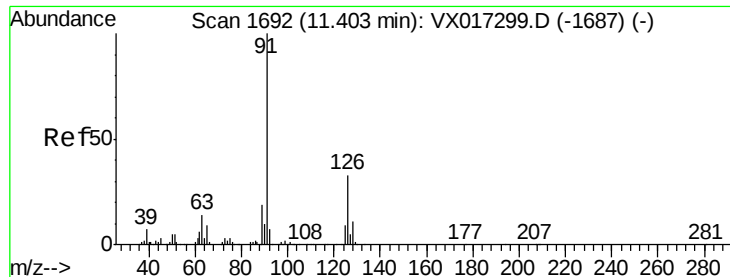
120 23.6 0.0 48.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.659 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

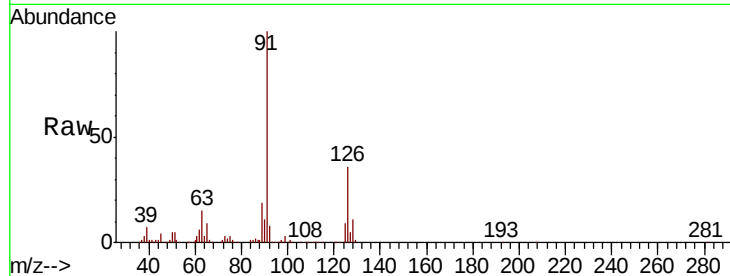
VX0709WBSD01

Tot Ion: 91 Resp: 182316

Ion Ratio Lower Upper

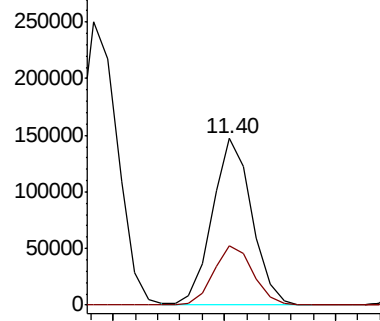
91 100

126 35.7 0.0 68.4

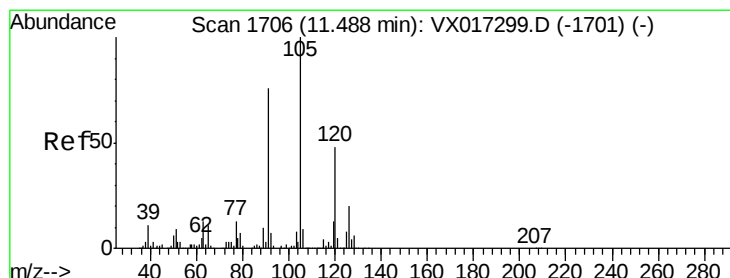
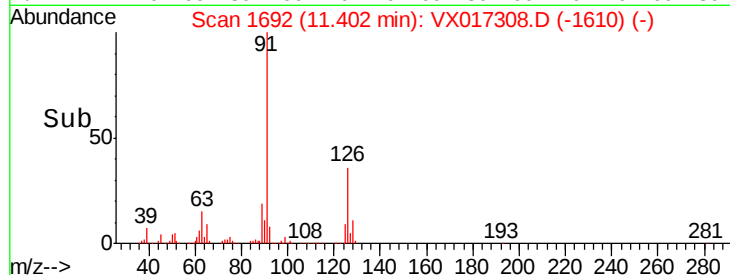


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.794 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX017308.D

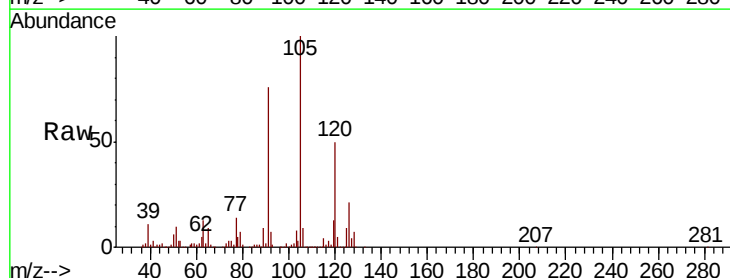
Acq: 09 Jul 2020 15:26

Tgt Ion:105 Resp: 223091

Ion Ratio Lower Upper

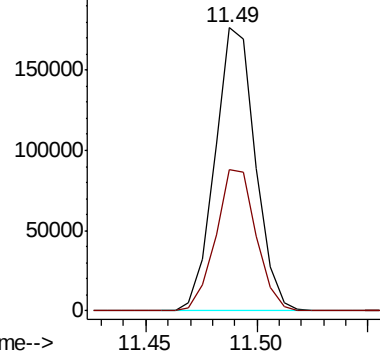
105 100

120 49.8 0.0 98.8

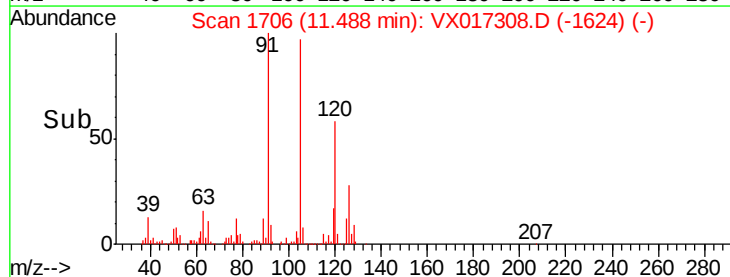


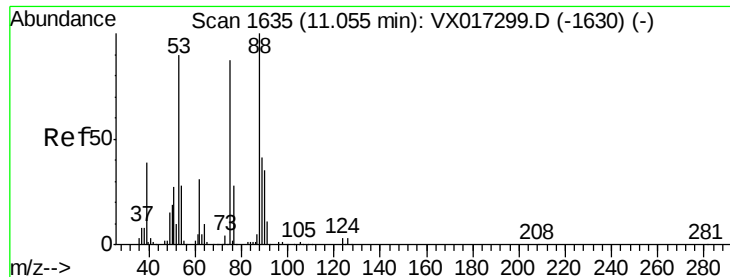
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.404 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

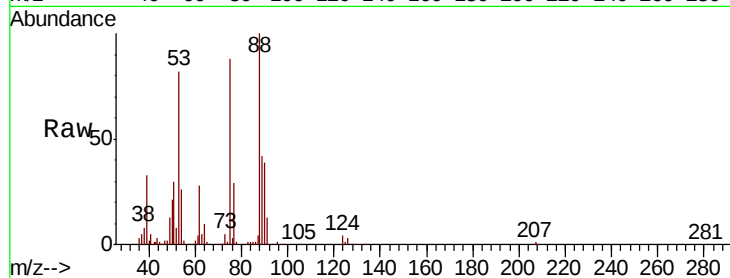
Tot Ion: 75 Resp: 29911

Ion Ratio Lower Upper

75 100

53 92.9 52.1 156.3

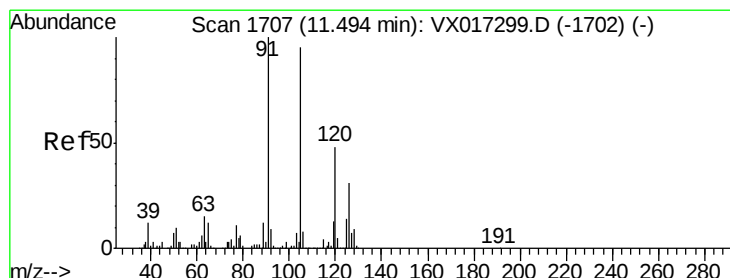
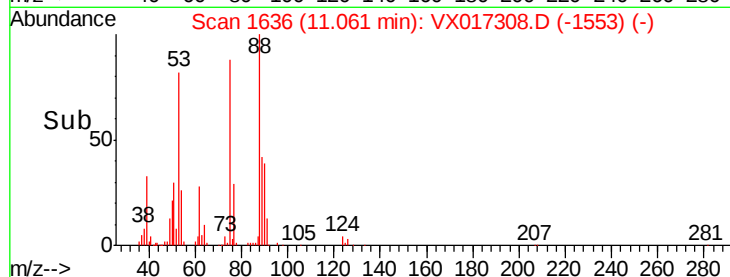
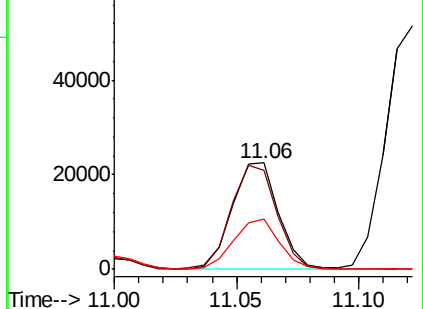
89 47.9 23.7 71.1



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 18.692 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017308.D

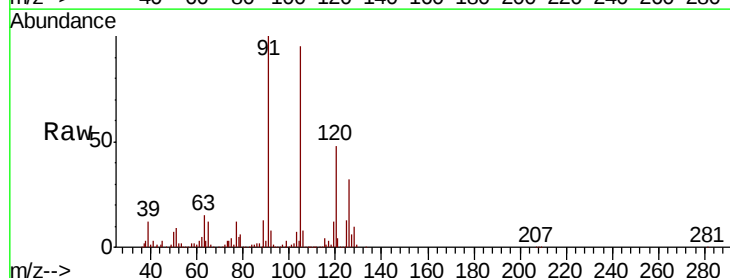
Acq: 09 Jul 2020 15:26

Tgt Ion: 91 Resp: 216513

Ion Ratio Lower Upper

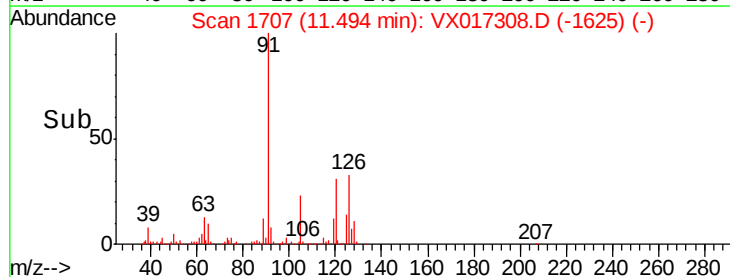
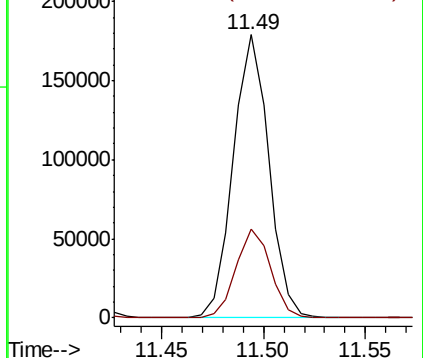
91 100

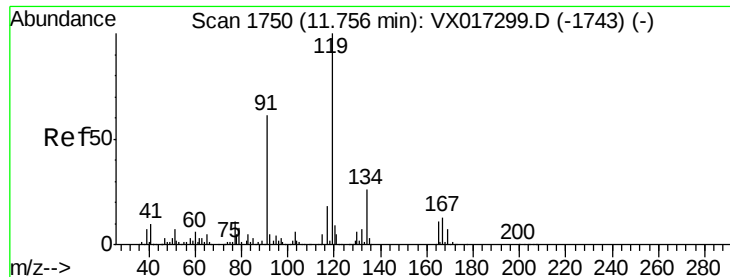
126 30.6 0.0 61.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

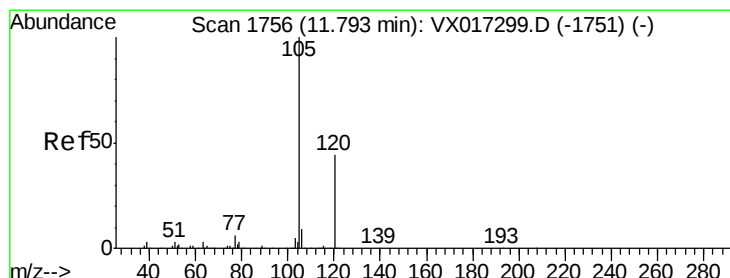
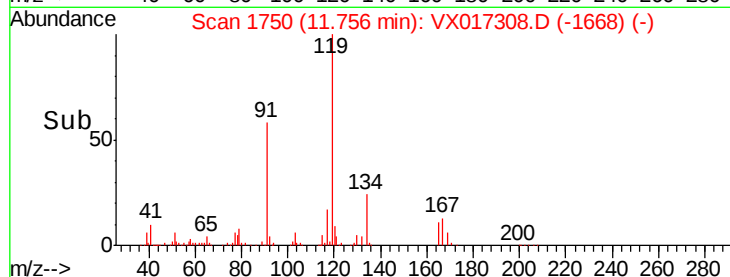
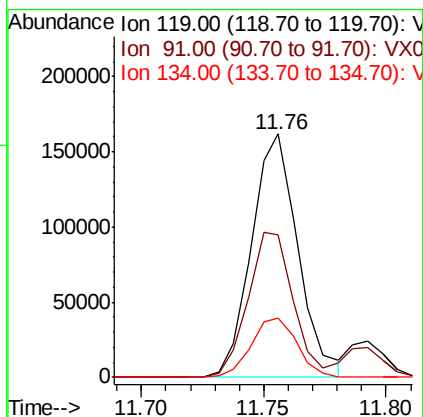
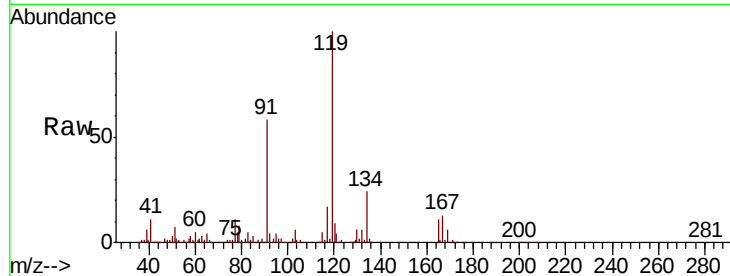




#79  
tert-butylbenzene  
Concen: 18.620 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

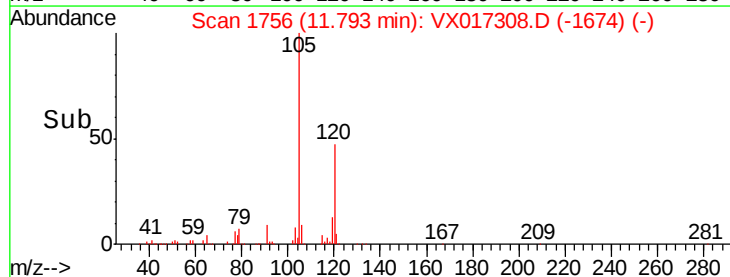
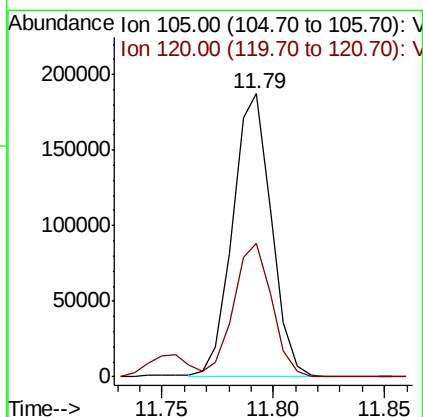
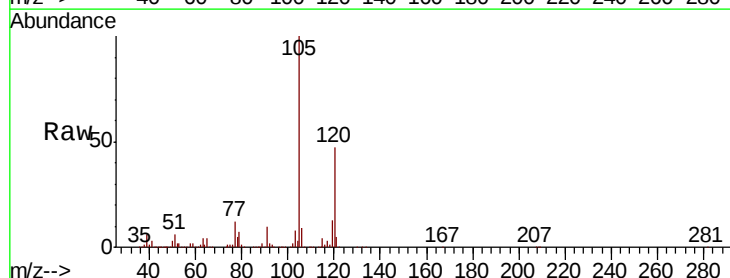
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

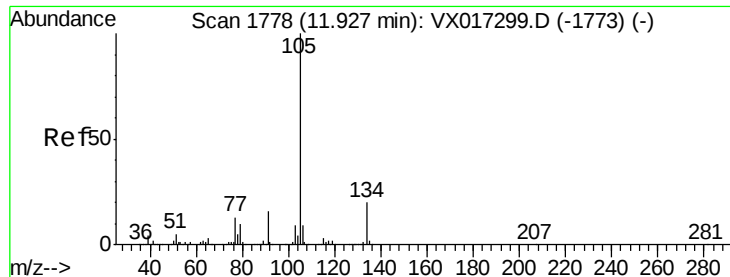
Tot Ion:119 Resp: 214472  
Ion Ratio Lower Upper  
119 100  
91 57.7 0.0 113.6  
134 24.3 0.0 48.0



#80  
1,2,4-Trimethylbenzene  
Concen: 18.920 ug/l  
RT: 11.79 min Scan# 1756  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Tgt Ion:105 Resp: 226580  
Ion Ratio Lower Upper  
105 100  
120 46.4 0.0 93.6

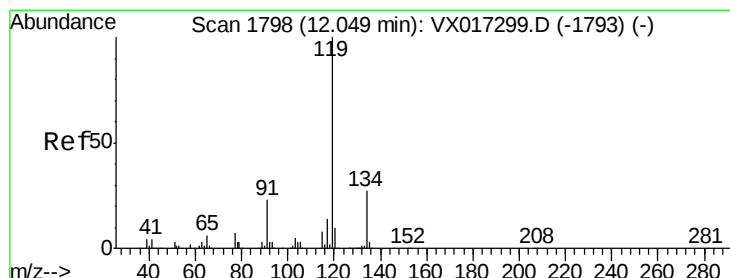
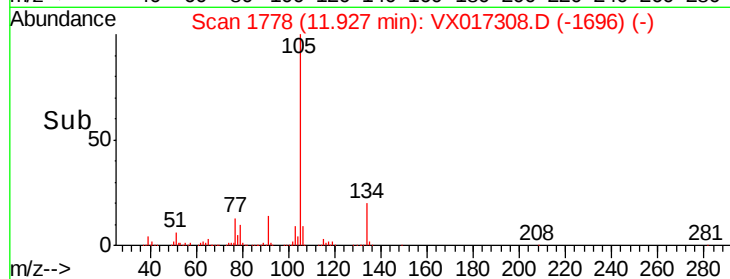
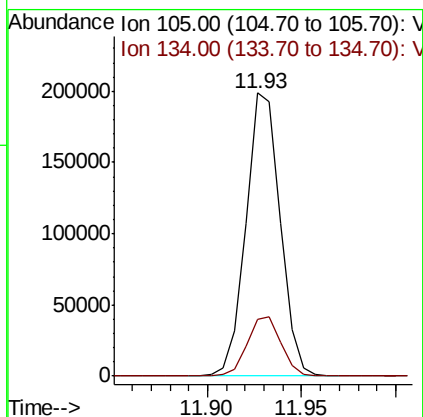
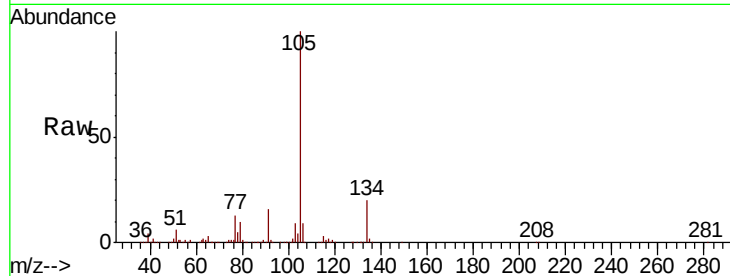




#81  
 sec-Butylbenzene  
 Concen: 18.835 ug/l  
 RT: 11.93 min Scan# 1778  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

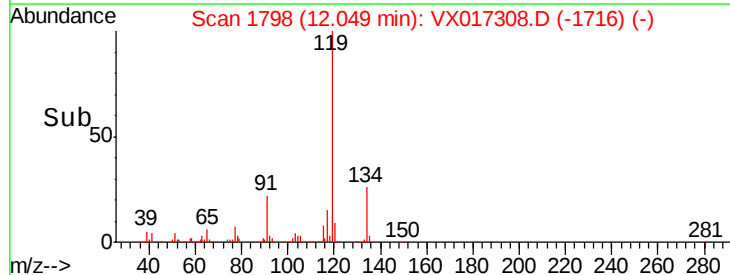
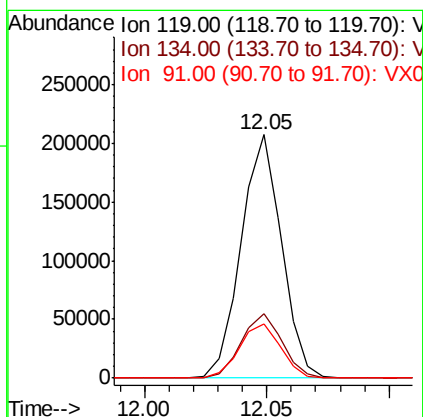
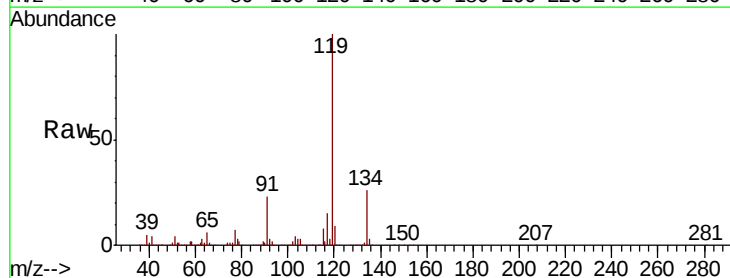
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

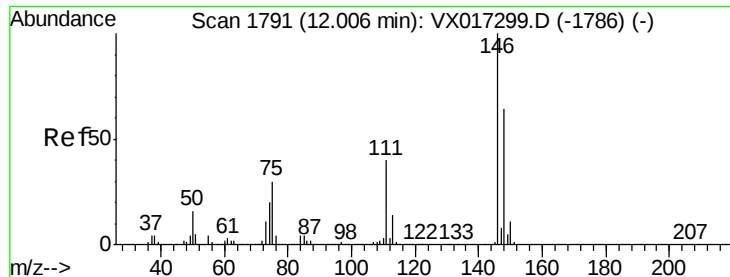
Tot Ion:105 Resp: 250064  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 0.0 41.8



#82  
 p-Isopropyltoluene  
 Concen: 18.982 ug/l  
 RT: 12.05 min Scan# 1798  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

Tgt Ion:119 Resp: 238300  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 0.0 53.6  
 91 23.3 0.0 48.0

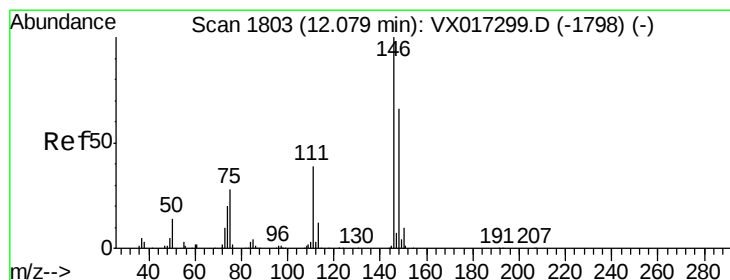
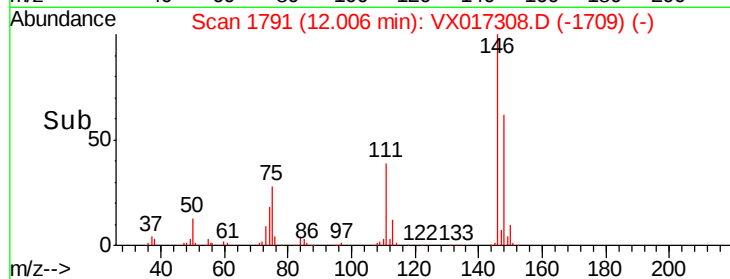
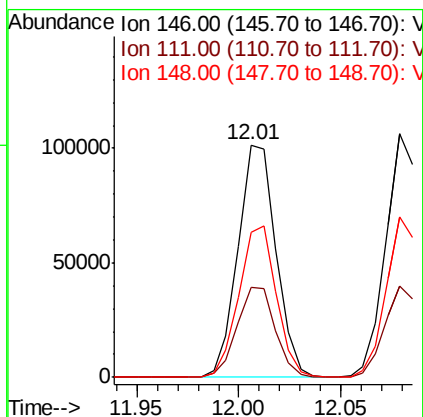
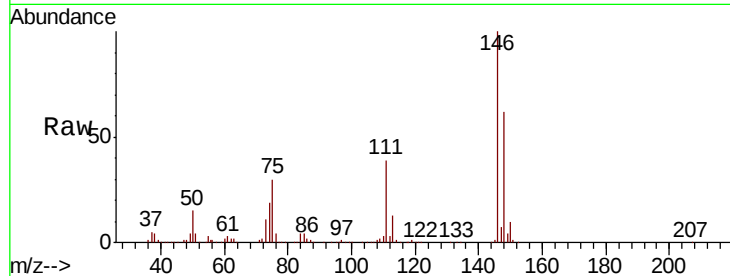




#83  
 1,3-Dichlorobenzene  
 Concen: 18.812 ug/l  
 RT: 12.01 min Scan# 1791  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

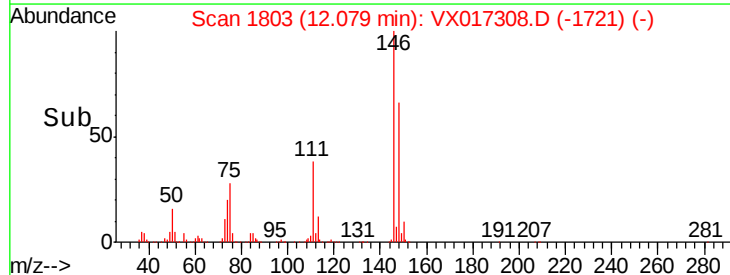
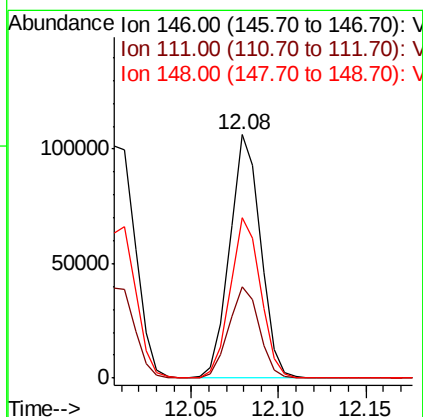
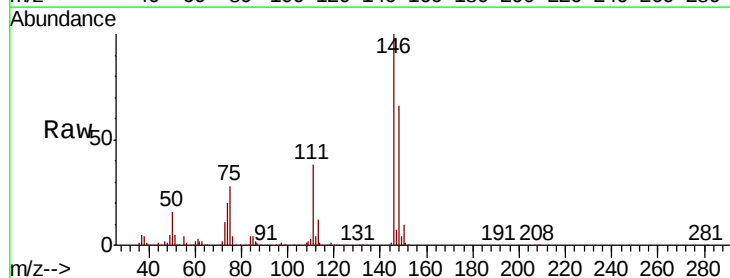
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

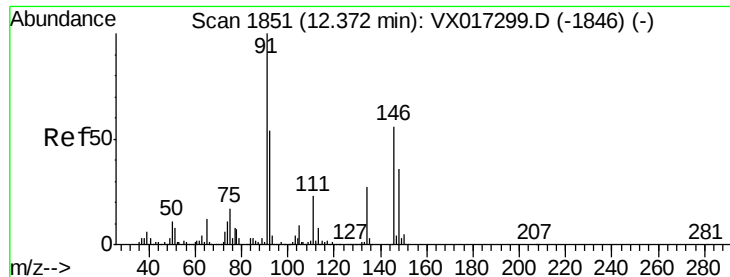
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 19.5  | 58.5  |
| 148     | 64.3  | 31.8  | 95.3  |



#84  
 1,4-Dichlorobenzene  
 Concen: 18.408 ug/l  
 RT: 12.08 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 19.1  | 57.3  |
| 148     | 65.3  | 32.6  | 97.8  |

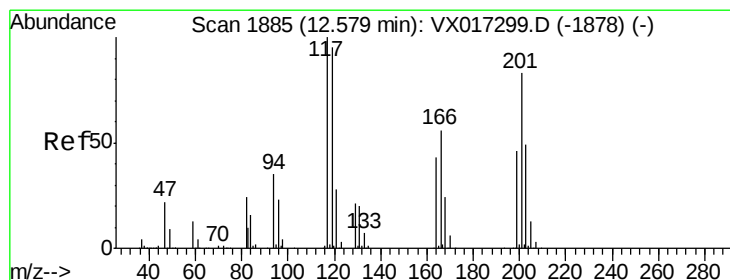
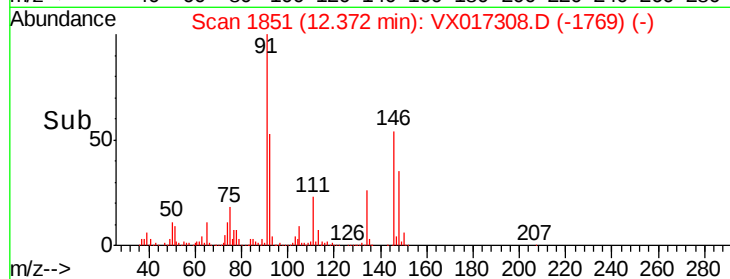
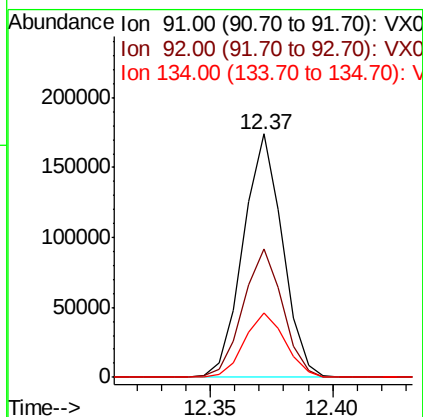
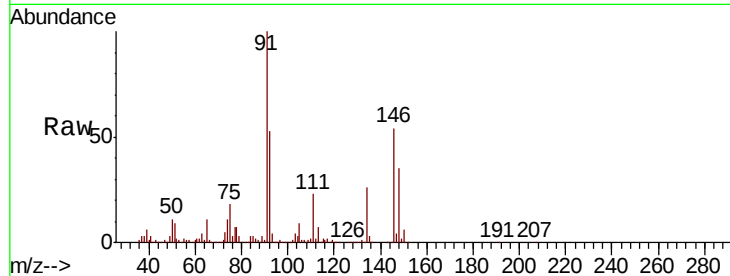




#85  
n-Butylbenzene  
Concen: 18.271 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

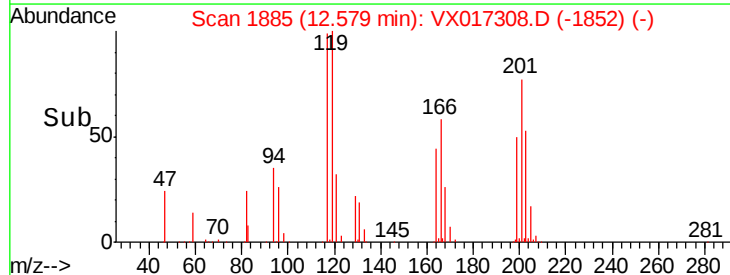
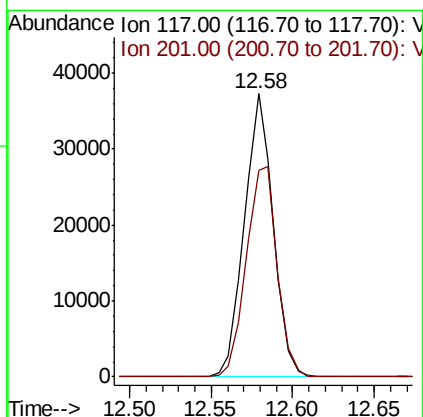
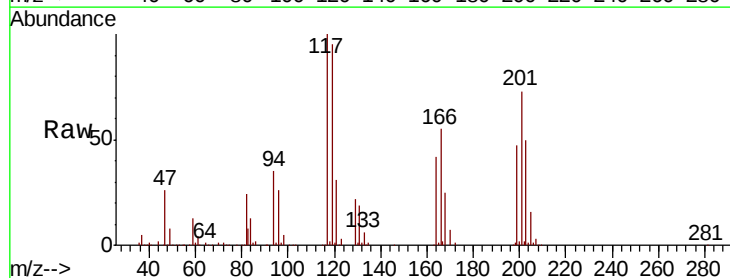
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0709WBSD01

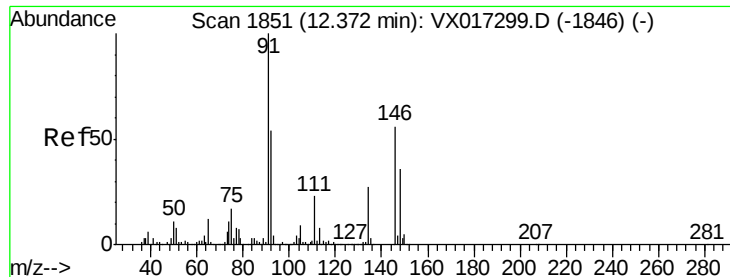
Tot Ion: 91 Resp: 193818  
Ion Ratio Lower Upper  
91 100  
92 53.6 0.0 108.2  
134 27.4 0.0 54.2



#86  
Hexachloroethane  
Concen: 18.914 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VX017308.D  
Acq: 09 Jul 2020 15:26

Tgt Ion: 117 Resp: 45935  
Ion Ratio Lower Upper  
117 100  
201 79.8 41.0 123.0





#87

1,2-Dichlorobenzene

Concen: 18.699 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

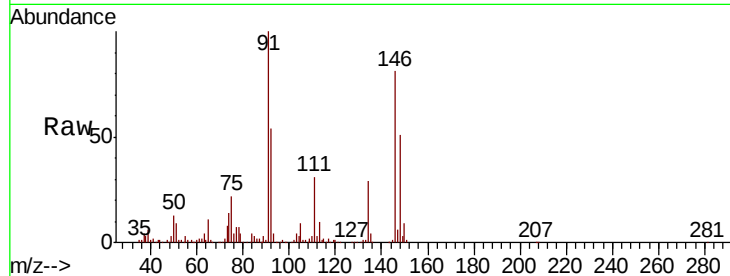
Tot Ion:146 Resp: 125091

Ion Ratio Lower Upper

146 100

111 40.4 20.6 61.9

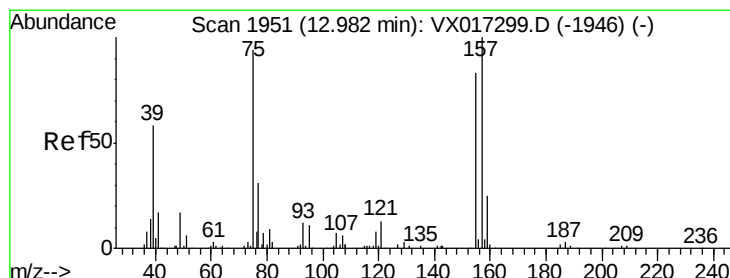
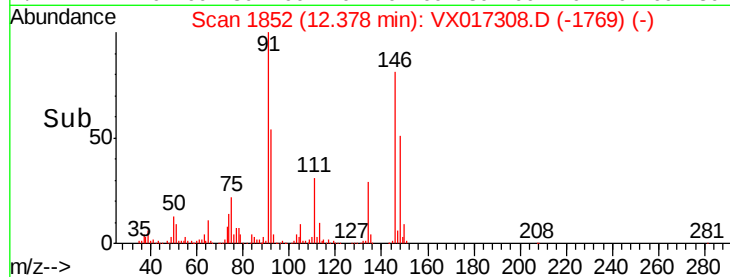
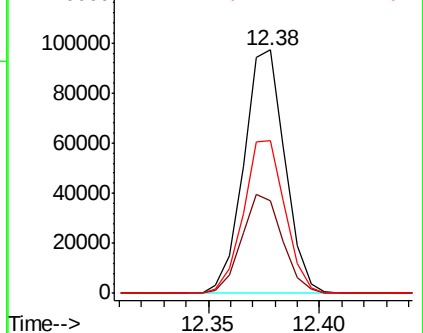
148 63.6 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.406 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

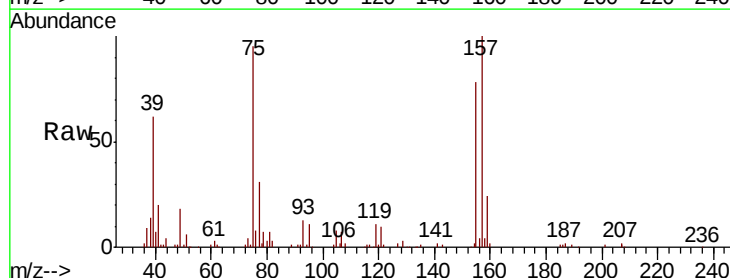
Tgt Ion: 75 Resp: 20402

Ion Ratio Lower Upper

75 100

155 88.2 73.4 110.0

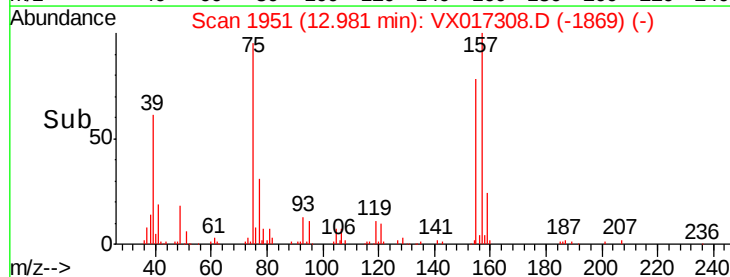
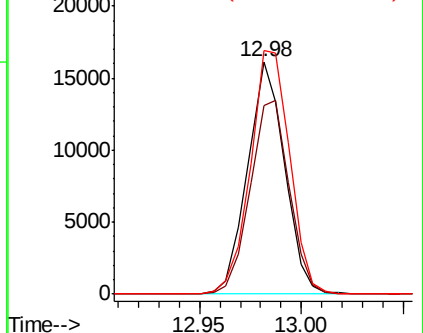
157 111.6 90.5 135.7

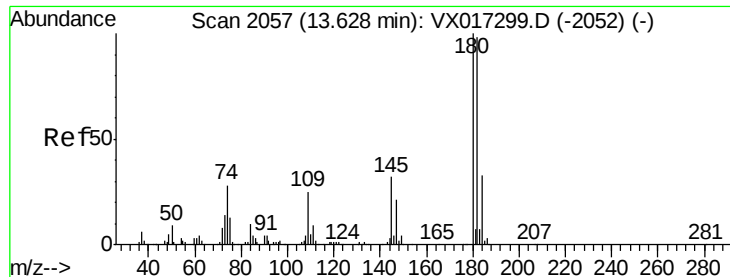


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

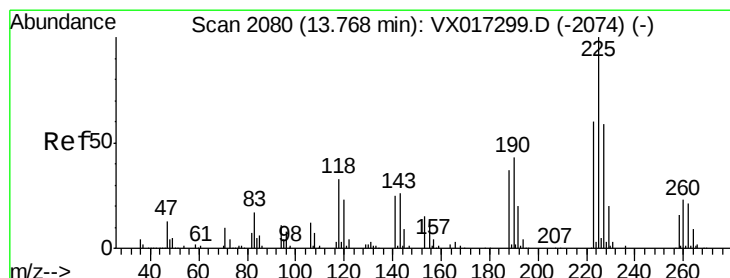
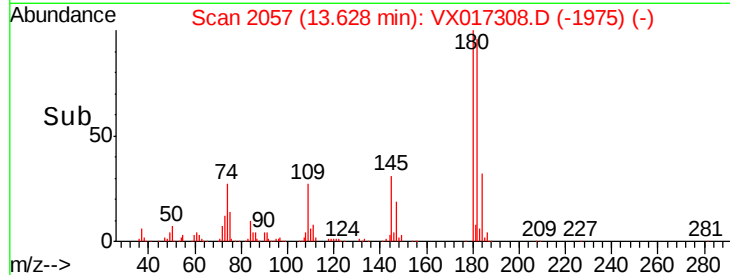
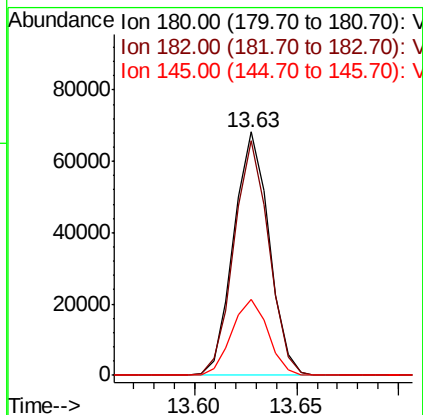
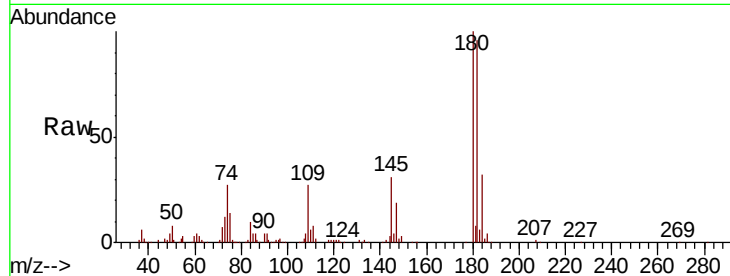




#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.107 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. -0.00 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

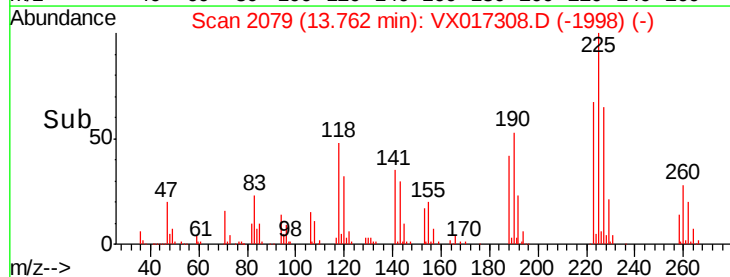
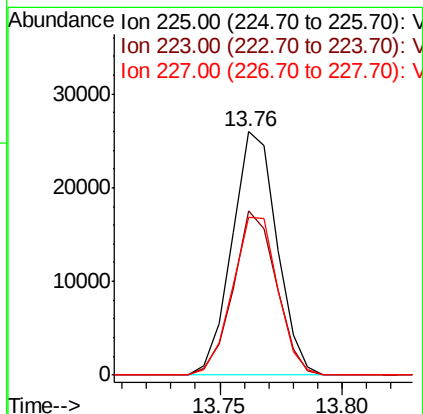
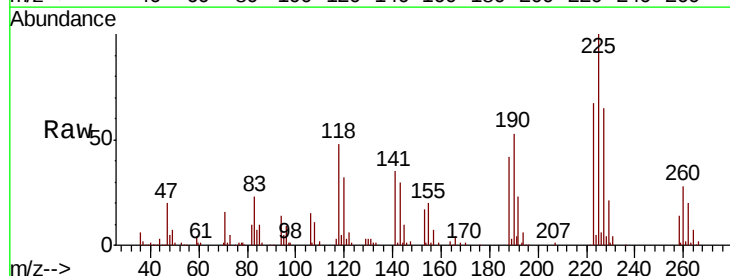
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0709WBSD01

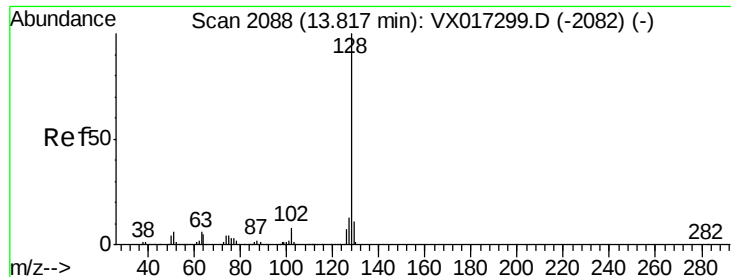
Tot Ion:180 Resp: 82154  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 77.8 116.8  
 145 32.0 25.0 37.4



#90  
 Hexachlorobutadiene  
 Concen: 18.234 ug/l  
 RT: 13.76 min Scan# 2079  
 Delta R.T. -0.01 min  
 Lab File: VX017308.D  
 Acq: 09 Jul 2020 15:26

Tgt Ion:225 Resp: 33186  
 Ion Ratio Lower Upper  
 225 100  
 223 64.7 0.0 129.0  
 227 65.6 0.0 124.4





#91

Naphthalene

Concen: 18.487 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

Instrument :

MSVOA\_X

ClientSampleId :

VX0709WBSD01

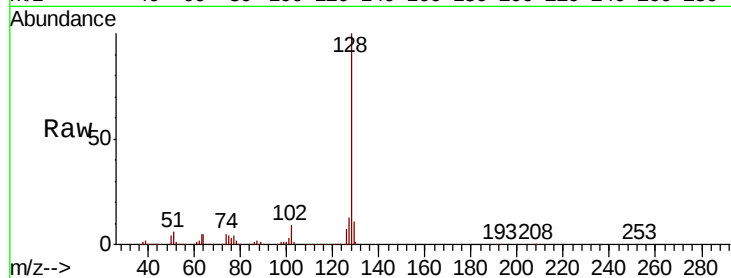
Tot Ion:128 Resp: 257154

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.0 9.0 13.4

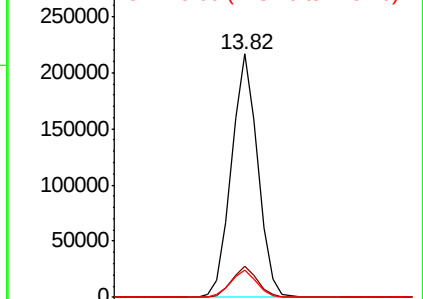


Abundance

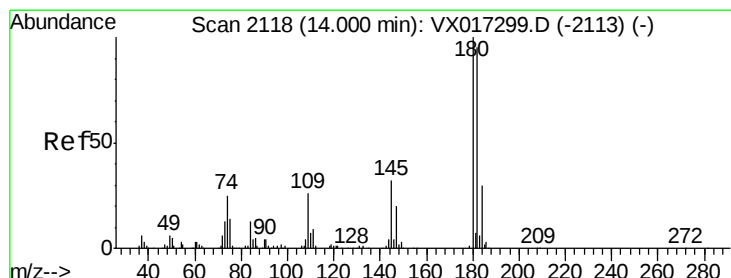
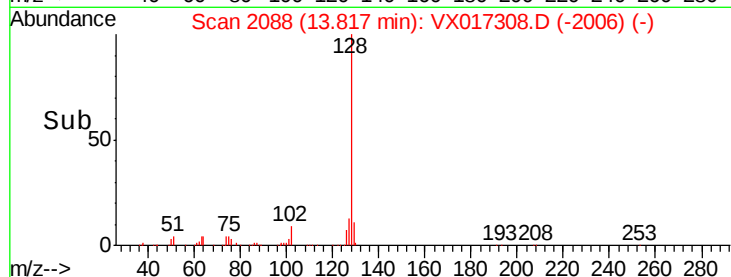
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#92

1,2,3-Trichlorobenzene

Concen: 18.369 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX017308.D

Acq: 09 Jul 2020 15:26

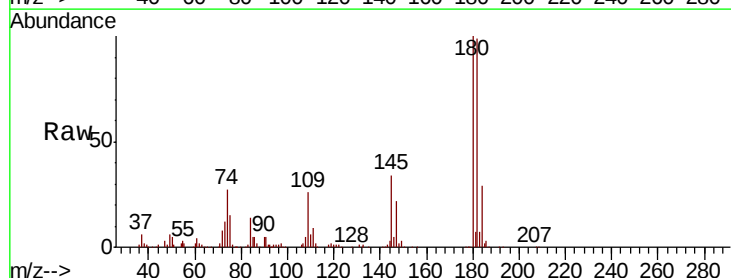
Tgt Ion:180 Resp: 82891

Ion Ratio Lower Upper

180 100

182 95.6 0.0 185.6

145 31.9 0.0 63.0

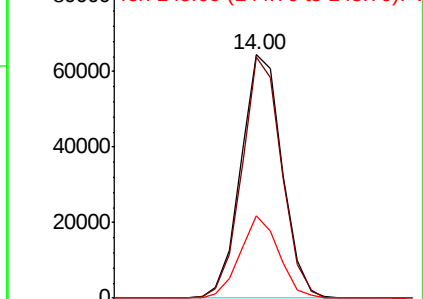


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->

