

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063020\  
 Data File : VX017051.D  
 Acq On : 30 Jun 2020 17:33  
 Operator : JC/SP  
 Sample : L3123-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

Quant Time: Jul 01 08:08:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 231955   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 401087   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 409541   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 211551   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65  | 152013   | 53.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.32% |      |
| 35) Dibromofluoromethane  | 5.46   | 113 | 131989   | 52.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.04% |      |
| 50) Toluene-d8            | 8.70   | 98  | 492095   | 52.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.90% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 205493   | 56.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 112.06% |      |

## Target Compounds

|                                |       |     |        |           |        | Qvalue |
|--------------------------------|-------|-----|--------|-----------|--------|--------|
| 3) Chloromethane               | 1.32  | 50  | 696    | 0.256     | ug/l # | 70     |
| 4) Vinyl Chloride              | 1.39  | 62  | 12050  | 4.781     | ug/l   | 98     |
| 6) Chloroethane                | 1.72  | 64  | 690    | 0.464     | ug/l # | 72     |
| 8) Diethyl Ether               | 2.17  | 74  | 191    | 0.517     | ug/l   | 69     |
| 11) Tert butyl alcohol         | 3.01  | 59  | 542    | 0.994     | ug/l # | 94     |
| 12) 1,1-Dichloroethene         | 2.36  | 96  | 97867  | 42.646    | ug/l   | 97     |
| 13) Acrolein                   | 2.27  | 56  | 343    | 1.052     | ug/l # | 1      |
| 14) Allyl chloride             | 2.58  | 41  | 46013  | 10.849    | ug/l # | 62     |
| 16) Acetone                    | 2.42  | 43  | 509062 | 475.880   | ug/l   | 98     |
| 18) Methyl Acetate             | 2.57  | 43  | 109756 | 39.303    | ug/l # | 51     |
| 20) Methylene Chloride         | 2.84  | 84  | 783    | Below Cal | #      | 60     |
| 24) 1,1-Dichloroethane         | 3.67  | 63  | 83324  | 18.656    | ug/l   | 99     |
| 25) 2-Butanone                 | 4.64  | 43  | 367    | 0.206     | ug/l # | 49     |
| 27) cis-1,2-Dichloroethene     | 4.57  | 96  | 16957  | 5.876     | ug/l   | 90     |
| 29) Tetrahydrofuran            | 5.10  | 42  | 341    | 0.290     | ug/l # | 44     |
| 36) 1,1-Dichloropropene        | 5.64  | 75  | 17085  | 4.507     | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 5.63  | 117 | 22799  | 5.461     | ug/l # | 17     |
| 39) Methylcyclohexane          | 7.44  | 83  | 2030   | 0.481     | ug/l # | 75     |
| 40) Benzene                    | 6.11  | 78  | 4037   | 0.362     | ug/l # | 75     |
| 42) 1,2-Dichloroethane         | 6.17  | 62  | 9115   | 2.266     | ug/l   | 96     |
| 43) Isopropyl Acetate          | 6.30  | 43  | 28525  | 4.463     | ug/l # | 62     |
| 44) Trichloroethene            | 7.20  | 130 | 2579   | 0.533     | ug/l   | 87     |
| 48) Methyl methacrylate        | 7.71  | 41  | 1264   | 0.416     | ug/l # | 58     |
| 49) 1,4-Dioxane                | 7.71  | 88  | 47336  | 688.133   | ug/l   | 96     |
| 55) 1,1,2-Trichloroethane      | 9.15  | 97  | 597    | 0.210     | ug/l # | 39     |
| 59) 2-Hexanone                 | 9.42  | 43  | 911    | 0.327     | ug/l # | 23     |
| 68) m/p-Xylenes                | 10.34 | 106 | 1838   | 0.339     | ug/l   | 94     |
| 69) o-Xylene                   | 10.68 | 106 | 1118   | 0.217     | ug/l   | 88     |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83  | 895    | 0.205     | ug/l # | 26     |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75  | 101155 | 24.316    | ug/l # | 38     |
| 78) n-propylbenzene            | 11.34 | 91  | 3895   | 0.249     | ug/l   | 100    |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105 | 4517   | 0.393     | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75  | 101155 | 62.970    | ug/l # | 17     |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105 | 12240  | 1.050     | ug/l   | 99     |

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 MSVOA\_X  
 ClientSampleId :  
 MW-2

Quant Time: Jul 01 08:08:41 2020  
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 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

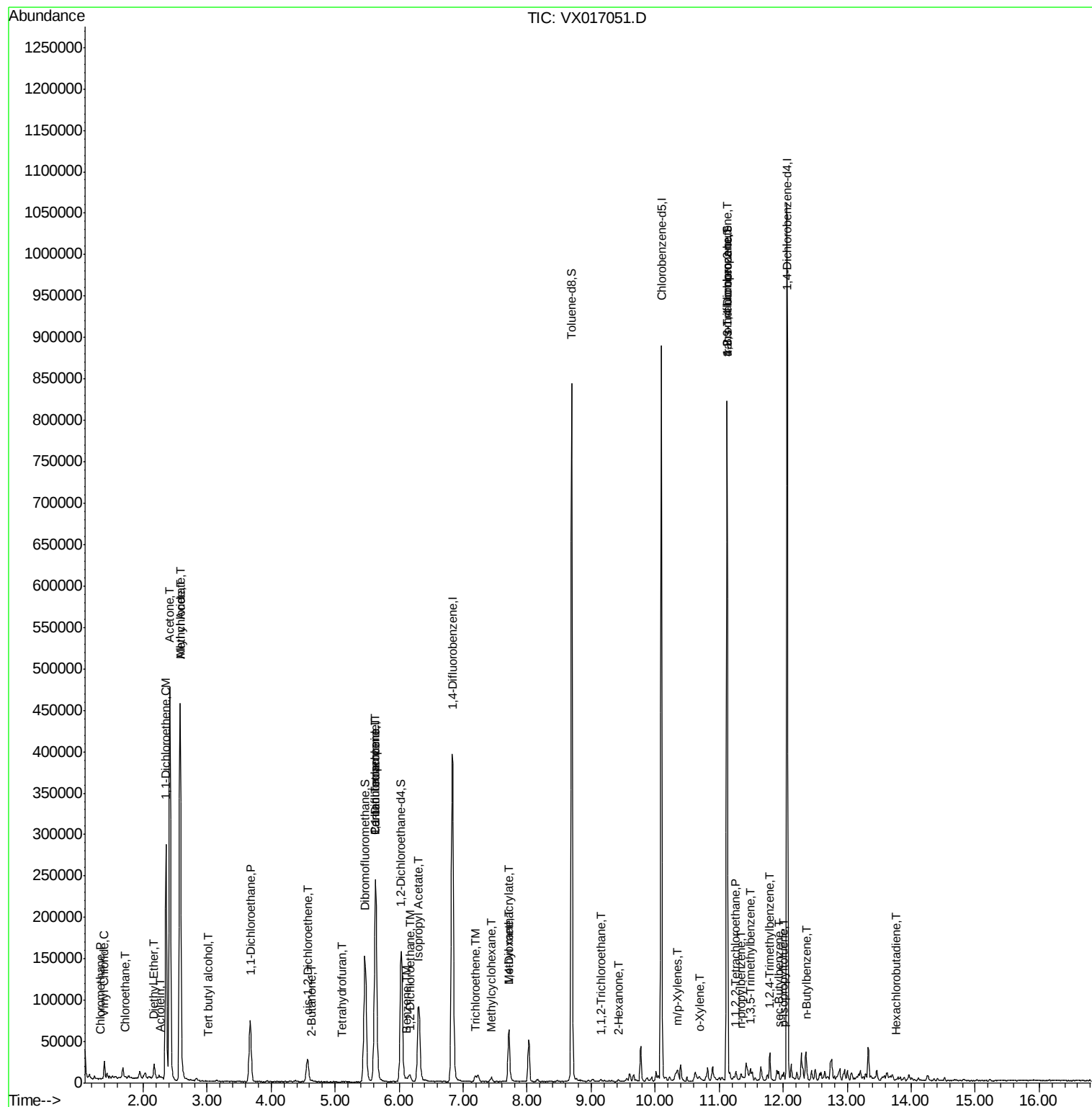
| Internal Standards      | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------|-------|------|----------|-----------|--------|----------|
| 85) sec-Butylbenzene    | 11.93 | 105  | 4327     | 0.326     | ug/l   | 95       |
| 86) p-Isopropyltoluene  | 12.01 | 119  | 2645     | 0.214     | ug/l   | 91       |
| 88) 1,4-Dichlorobenzene | 12.09 | 146  | 574      | Below Cal | #      | 25       |
| 89) n-Butylbenzene      | 12.37 | 91   | 4628     | 0.420     | ug/l # | 38       |
| 94) Hexachlorobutadiene | 13.76 | 225  | 27       | 0.860     | ug/l # | 17       |

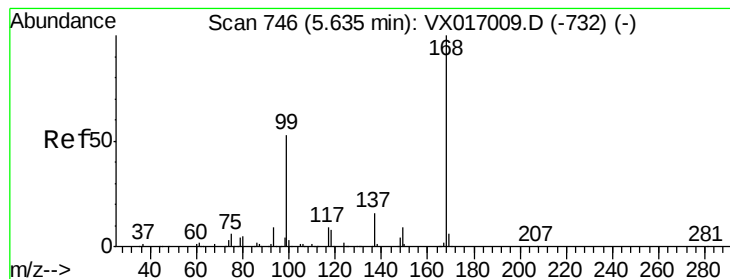
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampleId :

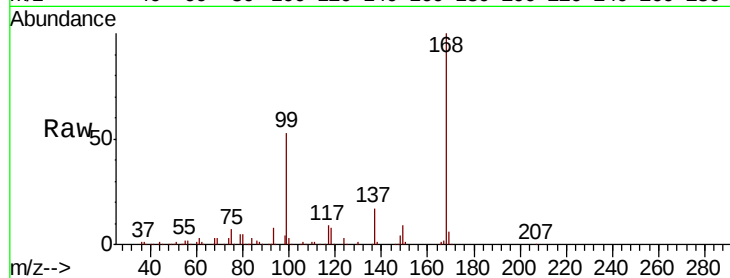
MW-2

Tot Ion:168 Resp: 231955

Ion Ratio Lower Upper

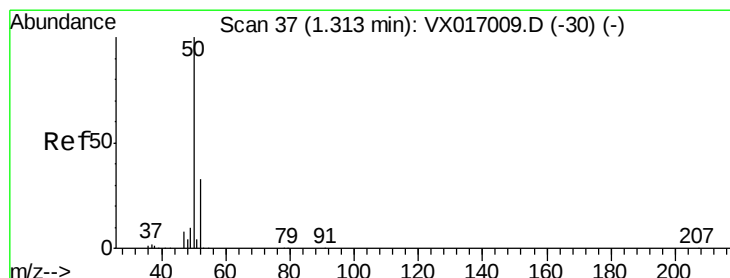
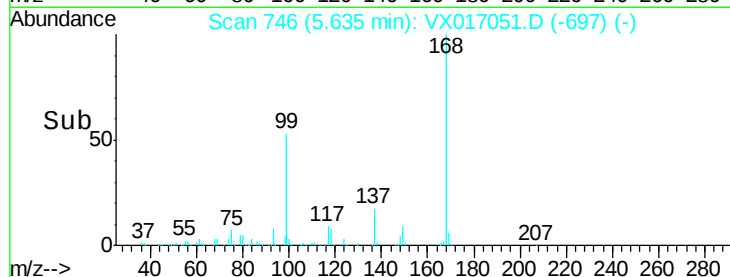
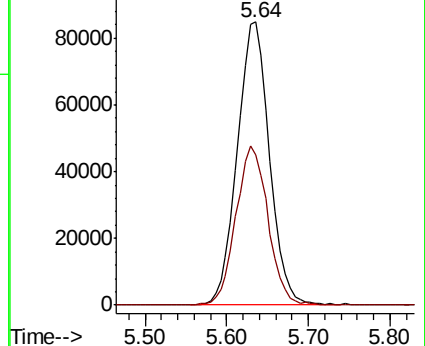
168 100

99 53.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.256 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017051.D

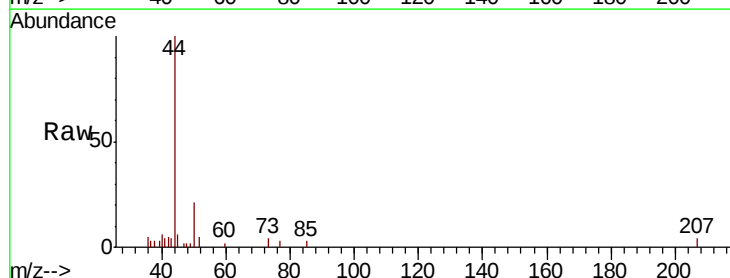
Acq: 30 Jun 2020 17:33

Tgt Ion: 50 Resp: 696

Ion Ratio Lower Upper

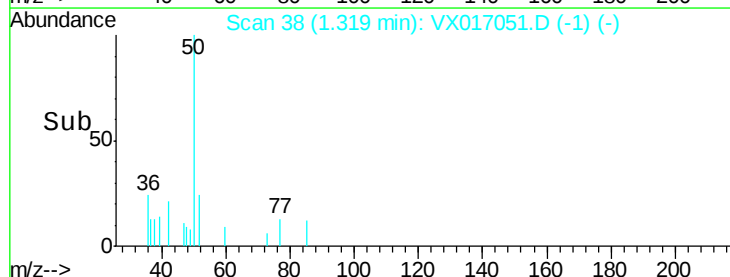
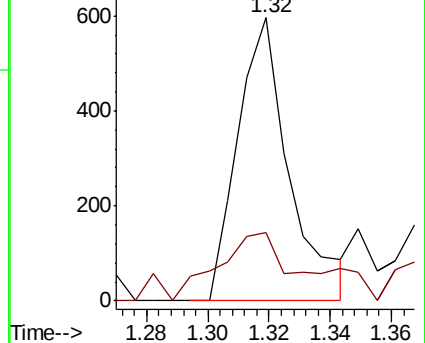
50 100

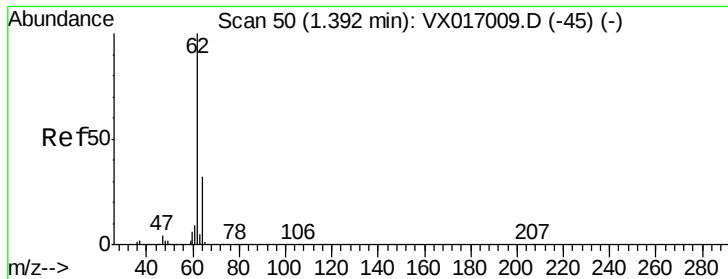
52 15.8 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 4.781 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampled :

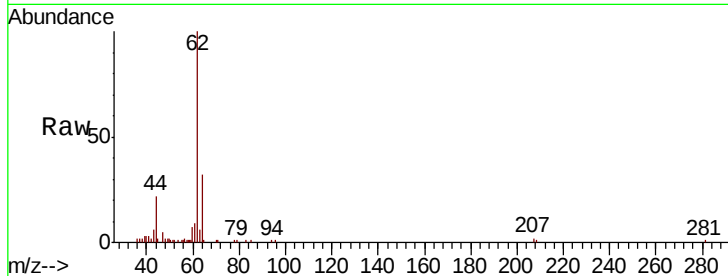
MW-2

Tot Ion: 62 Resp: 12050

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

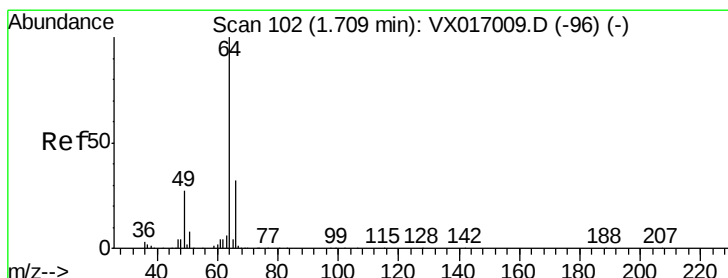
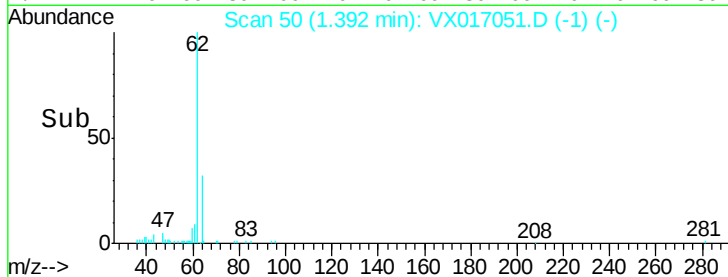
1.39

10000

5000

0

Time-->



#6

Chloroethane

Concen: 0.464 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017051.D

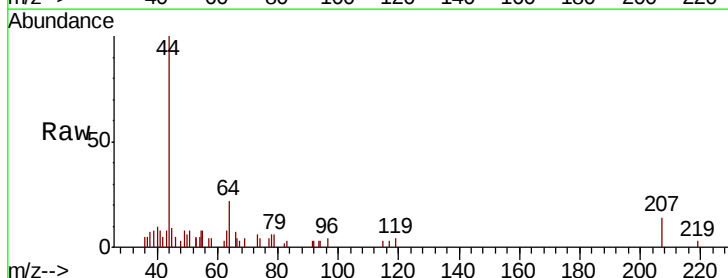
Acq: 30 Jun 2020 17:33

Tgt Ion: 64 Resp: 690

Ion Ratio Lower Upper

64 100

66 47.3 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

500

400

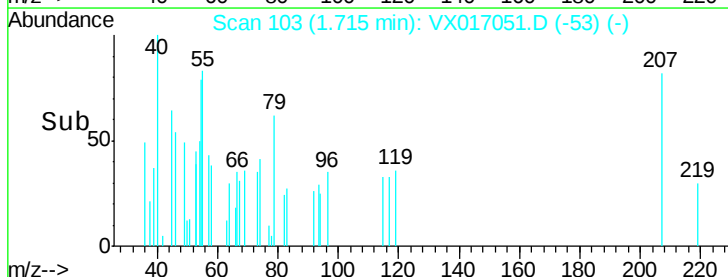
300

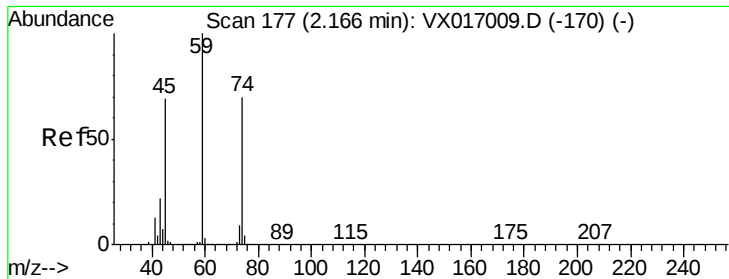
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.517 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampled :

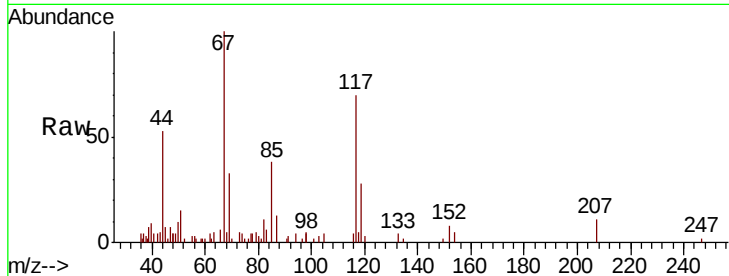
MW-2

Tot Ion: 74 Resp: 191

Ion Ratio Lower Upper

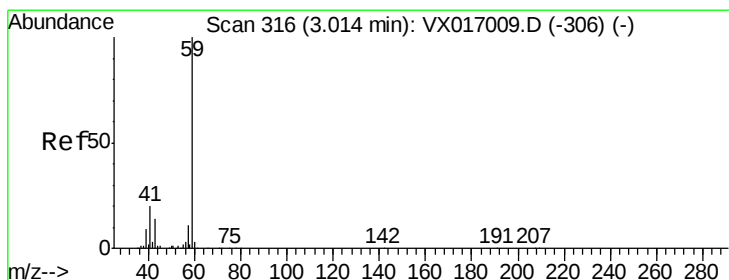
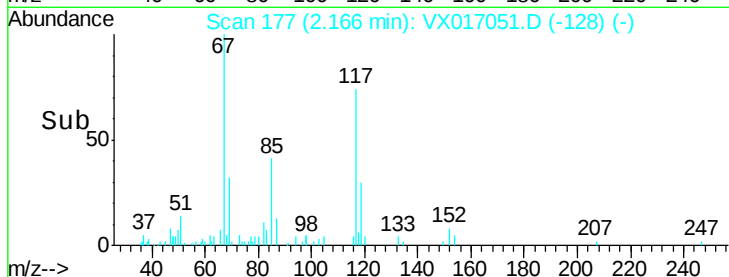
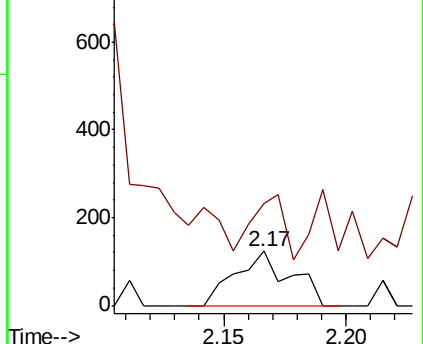
74 100

45 68.6 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 0.994 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017051.D

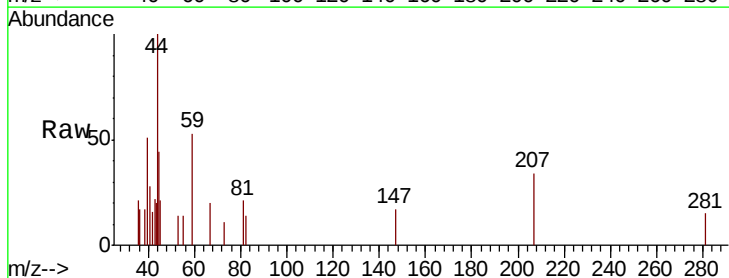
Acq: 30 Jun 2020 17:33

Tgt Ion: 59 Resp: 542

Ion Ratio Lower Upper

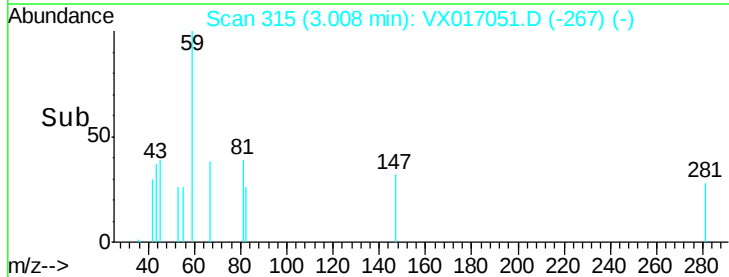
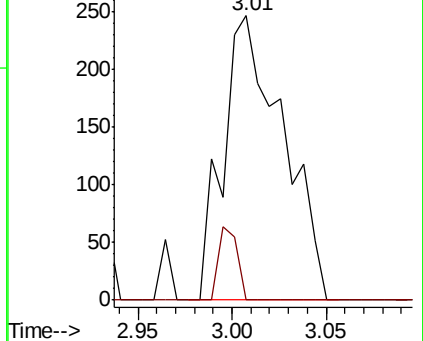
59 100

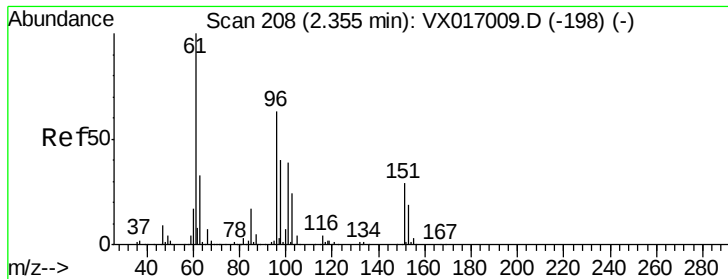
57 7.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 42.646 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampled :

MW-2

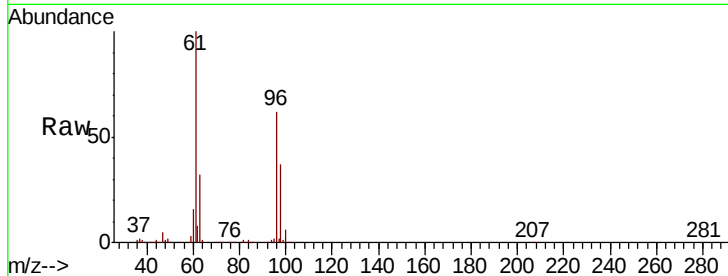
Tot Ion: 96 Resp: 97867

Ion Ratio Lower Upper

96 100

61 161.6 126.3 189.5

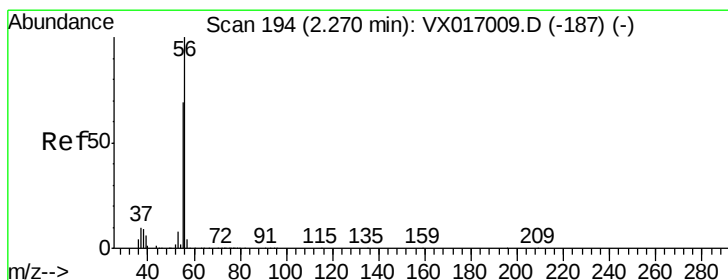
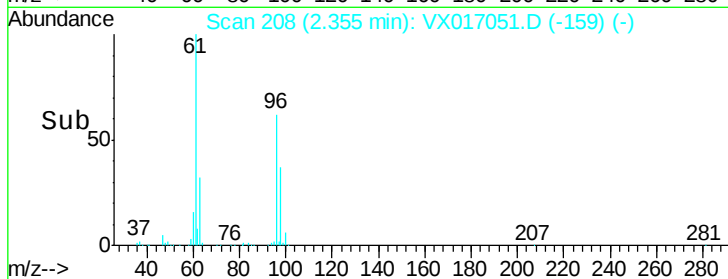
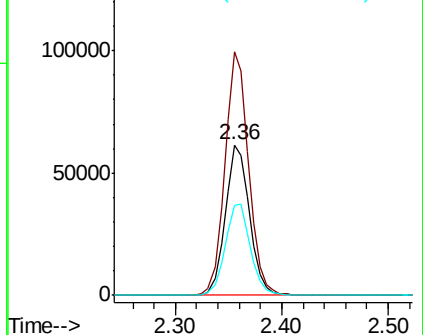
98 59.9 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 1.052 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017051.D

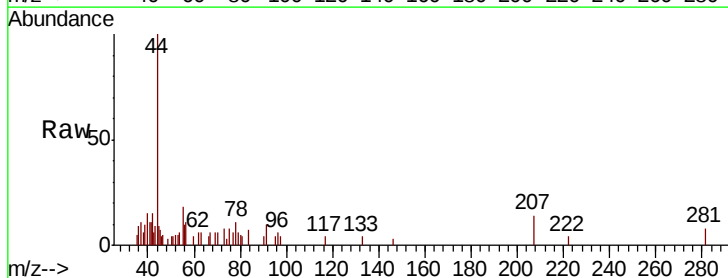
Acq: 30 Jun 2020 17:33

Tgt Ion: 56 Resp: 343

Ion Ratio Lower Upper

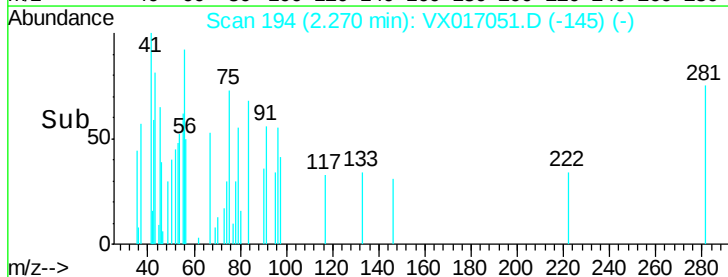
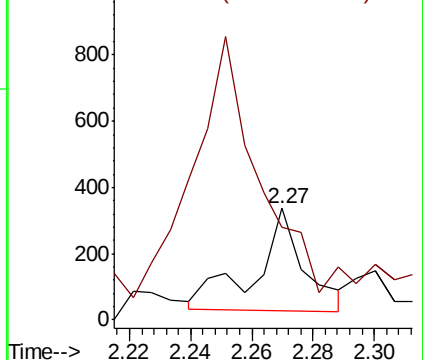
56 100

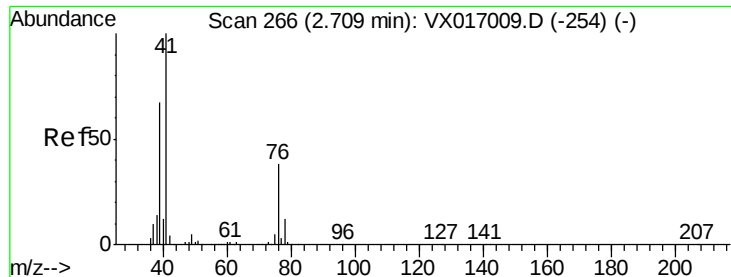
55 353.4 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#14

Allvl chloride

Concen: 10.849 ug/l

RT: 2.58 min Scan# 245

Delta R.T. -0.13 min

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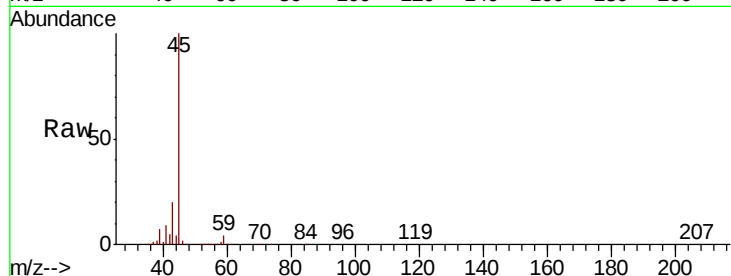
Tot Ion: 41 Resp: 46013

Ion Ratio Lower Upper

41 100

39 82.8 49.4 74.2#

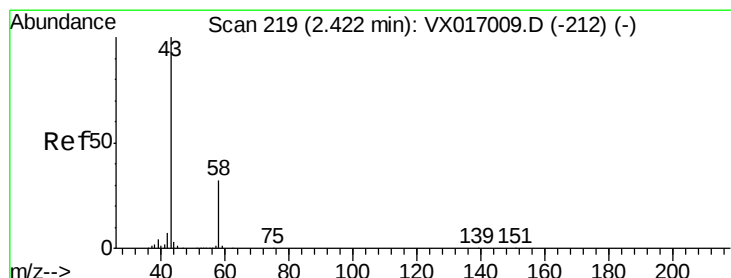
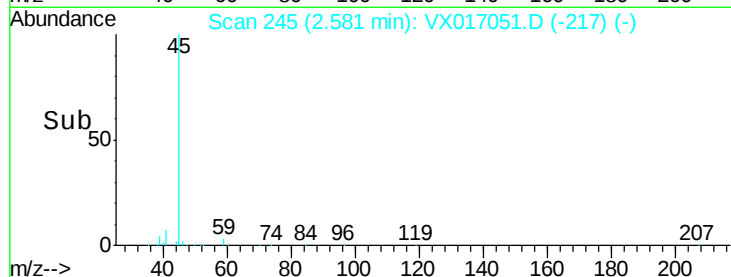
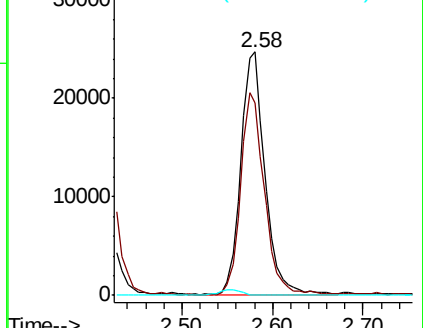
76 0.0 26.8 40.2#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 475.880 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017051.D

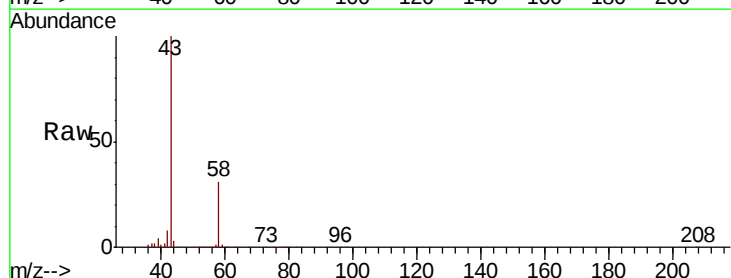
Acq: 30 Jun 2020 17:33

Tgt Ion: 43 Resp: 509062

Ion Ratio Lower Upper

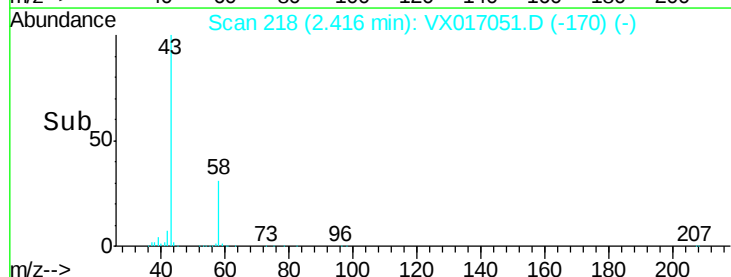
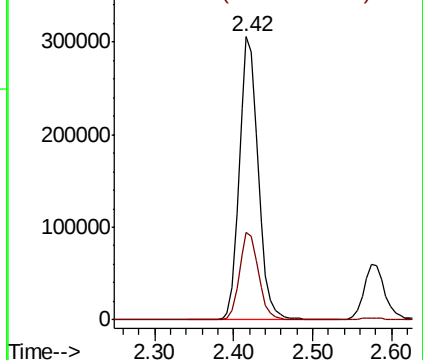
43 100

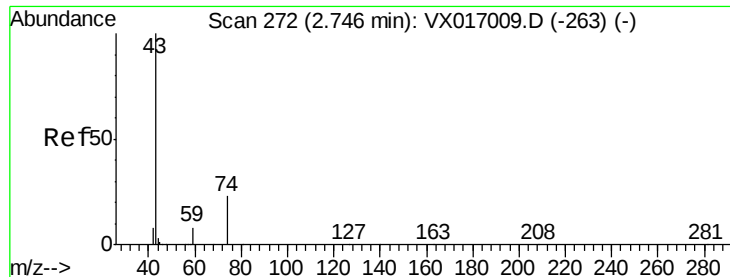
58 30.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

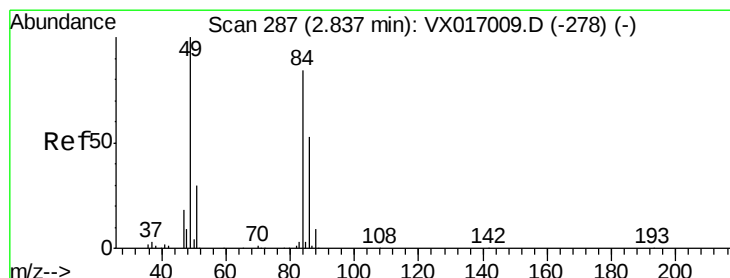
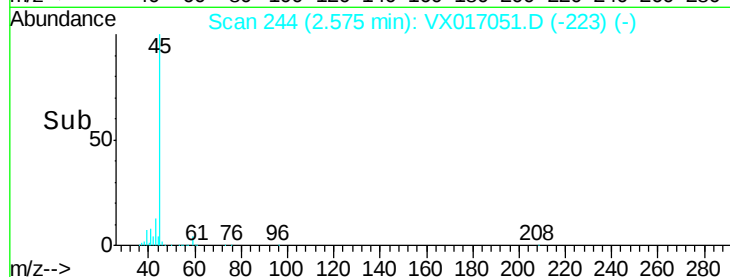
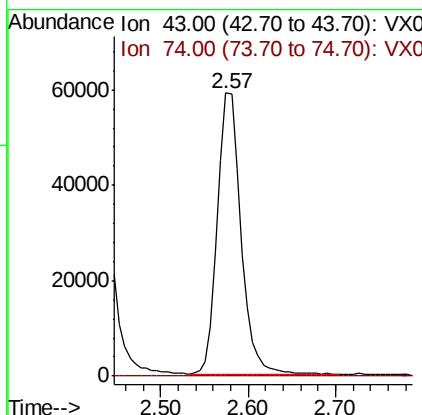
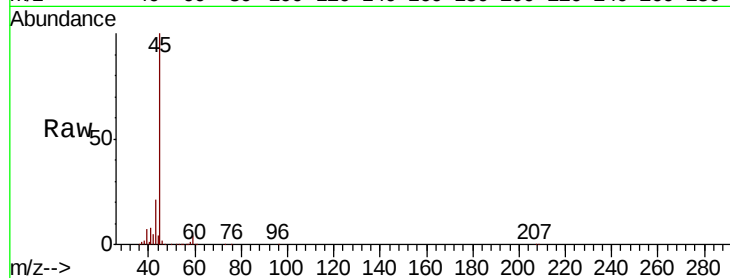




#18  
Methyl Acetate  
Concen: 39.303 ug/l  
RT: 2.57 min Scan# 244  
Delta R.T. -0.17 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

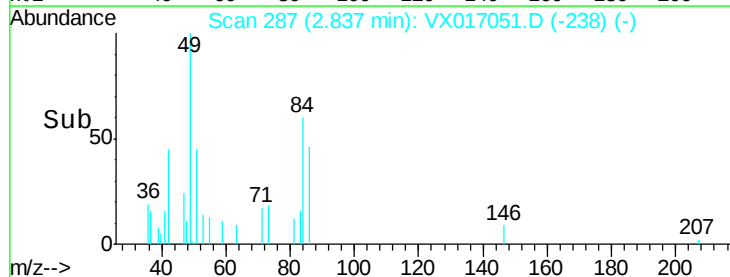
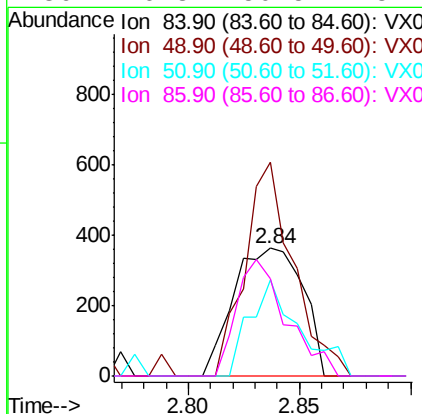
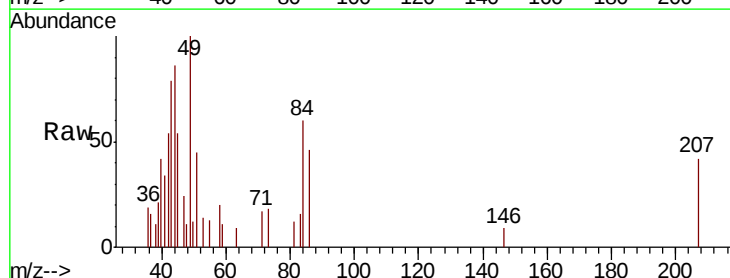
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

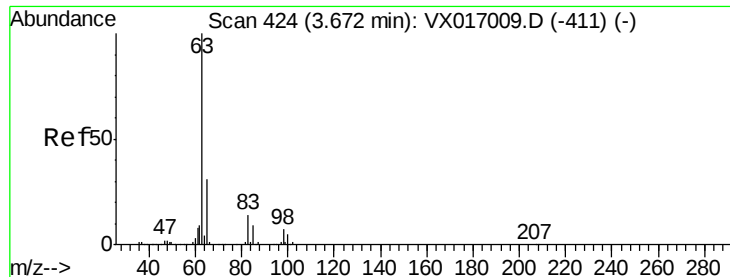
Tot Ion: 43 Resp: 109756  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.3 28.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

Tgt Ion: 84 Resp: 783  
Ion Ratio Lower Upper  
84 100  
49 166.9 94.7 142.1#  
51 74.7 28.6 42.8#  
86 76.3 50.5 75.7#





#24

1,1-Dichloroethane

Concen: 18.656 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampleId :

MW-2

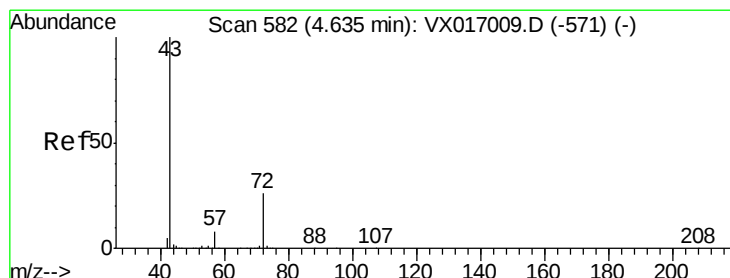
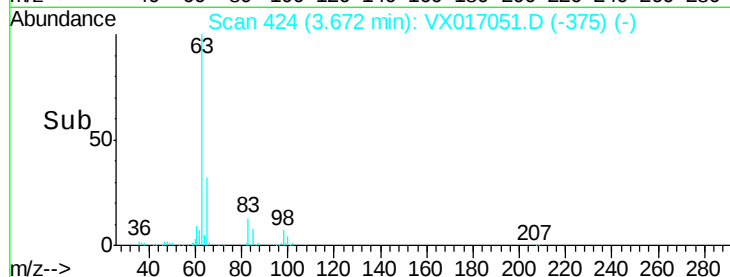
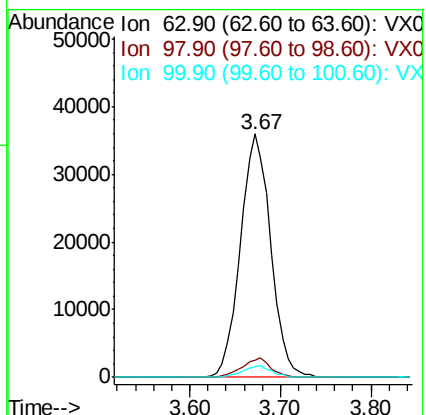
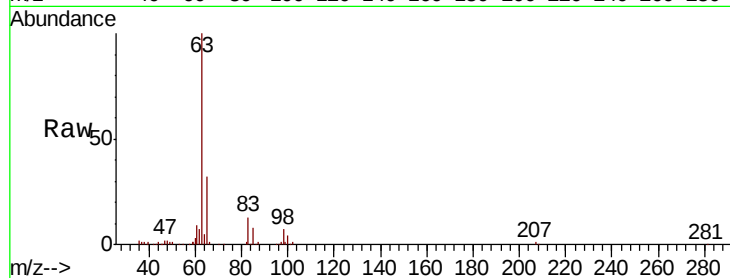
Tot Ion: 63 Resp: 83324

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.1 2.4 7.1



#25

2-Butanone

Concen: 0.206 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX017051.D

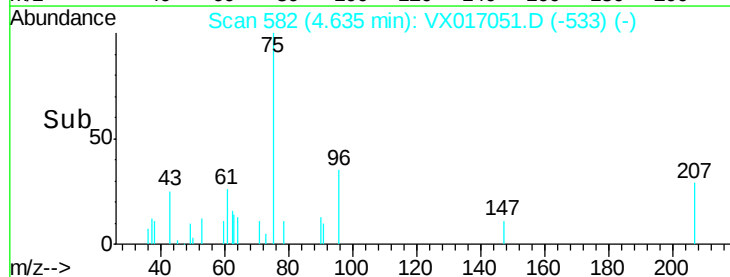
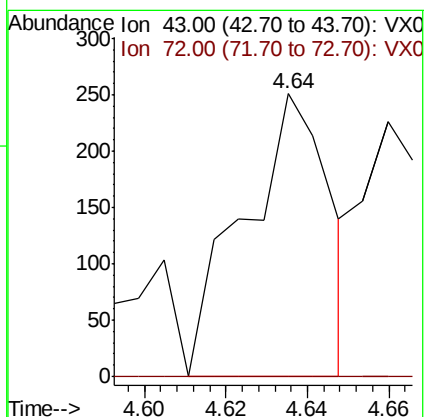
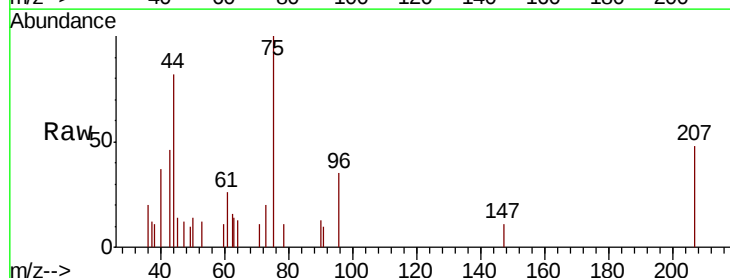
Acq: 30 Jun 2020 17:33

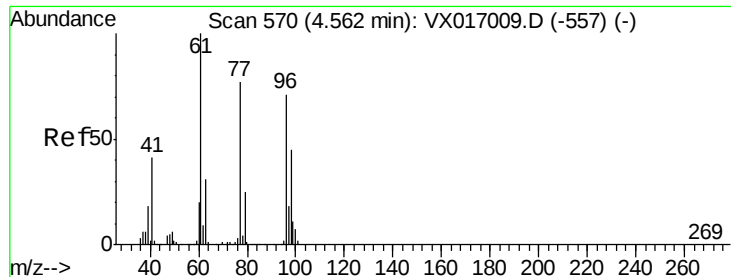
Tgt Ion: 43 Resp: 367

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



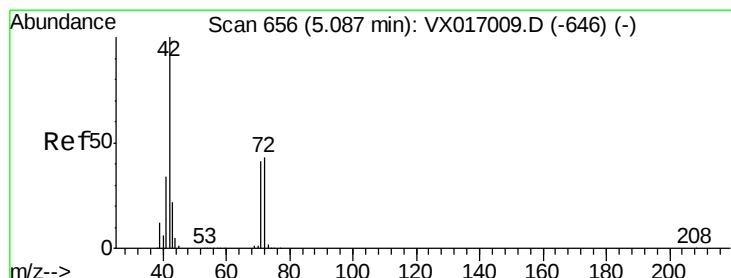
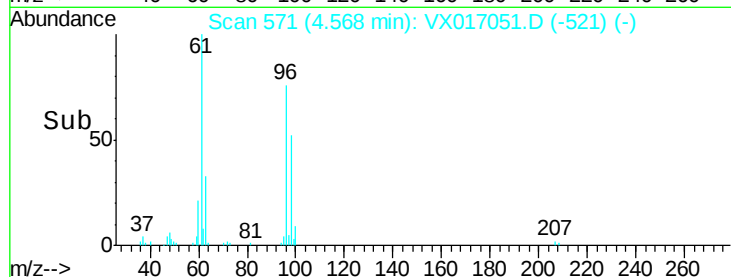
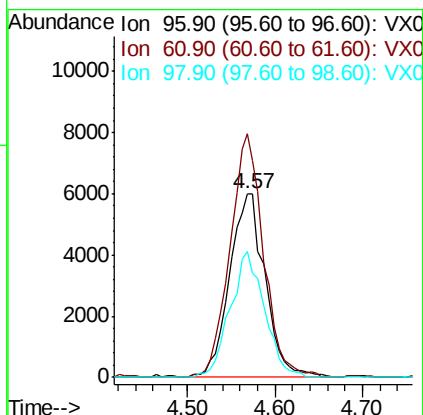
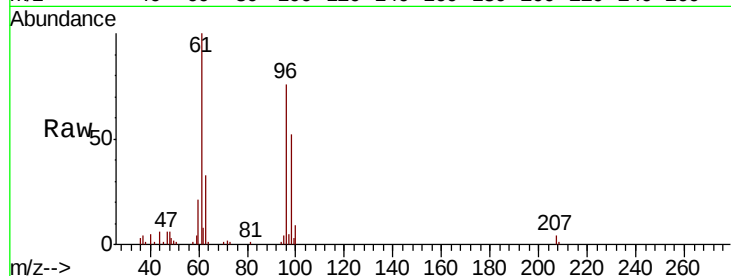


#27

cis-1,2-Dichloroethene  
Concen: 5.876 ug/l  
RT: 4.57 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2

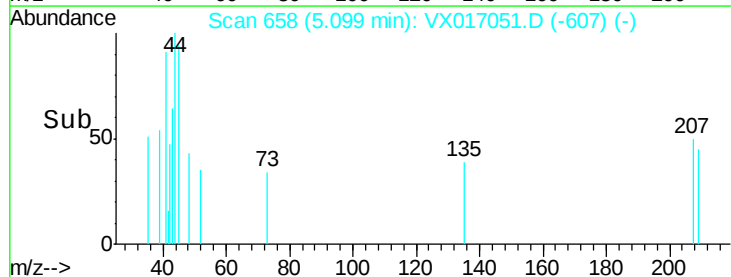
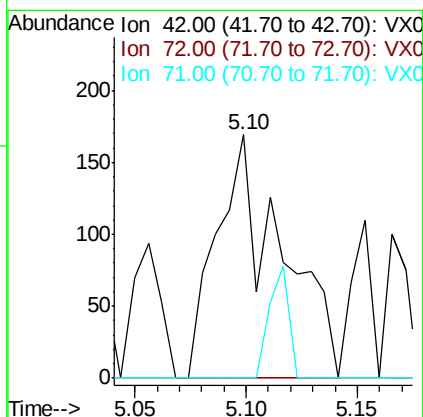
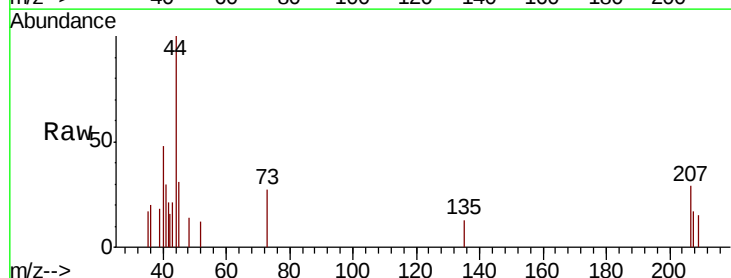
| Tot Ion | 96    | Resp  | 16957 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 125.1 | 0.0   | 282.8 |
| 98      | 65.9  | 0.0   | 127.6 |

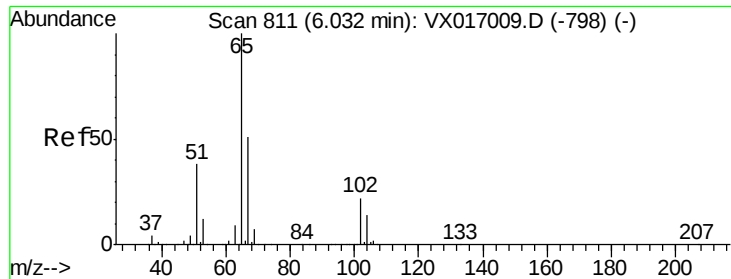


#29

Tetrahydrofuran  
Concen: 0.290 ug/l  
RT: 5.10 min Scan# 658  
Delta R.T. 0.01 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

| Tgt Ion | 42    | Resp  | 341   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 42      | 100   |       |       |
| 72      | 0.0   | 35.3  | 52.9# |
| 71      | 14.1  | 33.1  | 49.7# |





#33

1,2-Dichloroethane-d4

Concen: 53.160 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampleId :

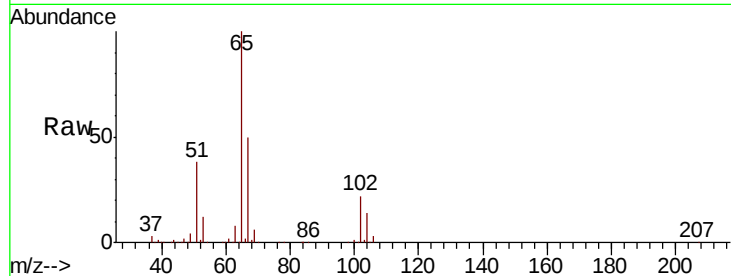
MW-2

Tot Ion: 65 Resp: 152013

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

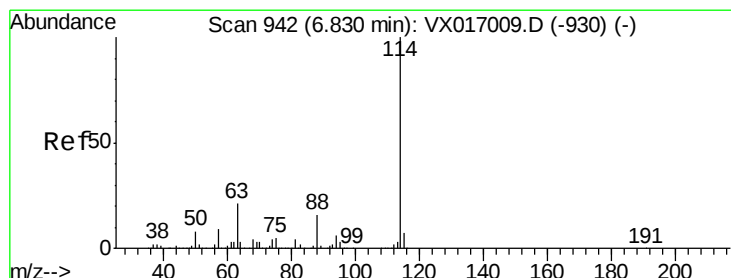
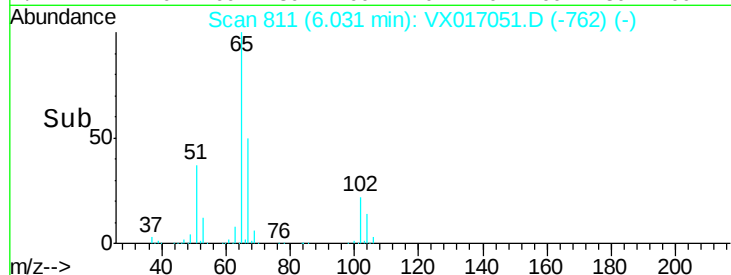
60000

40000

20000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

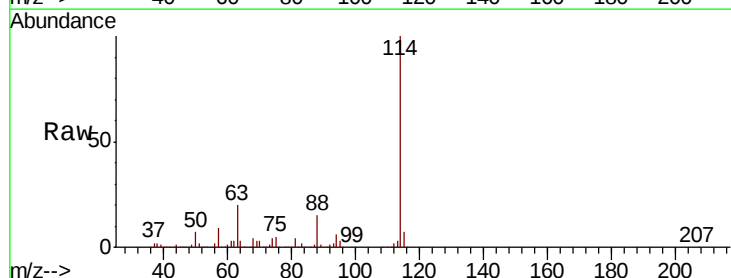
Tgt Ion: 114 Resp: 401087

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

88 15.2 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

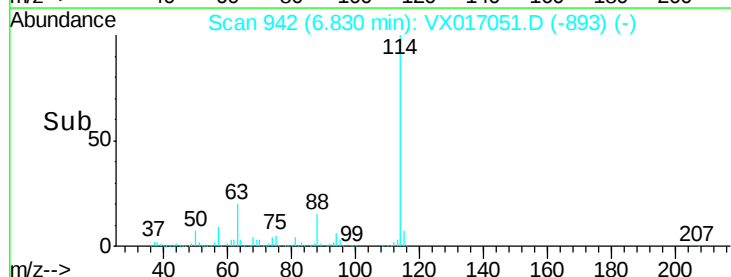
150000

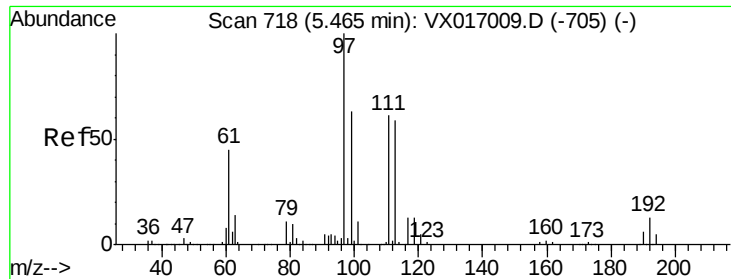
100000

50000

0

Time--> 6.70 6.80 6.90

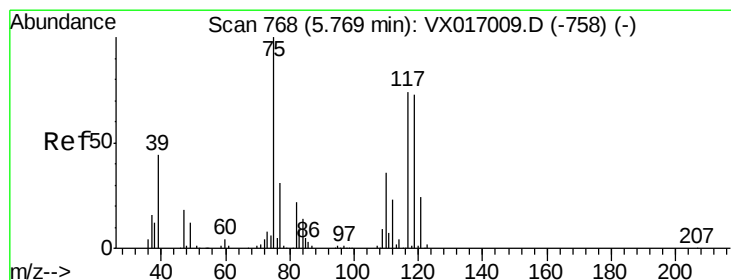
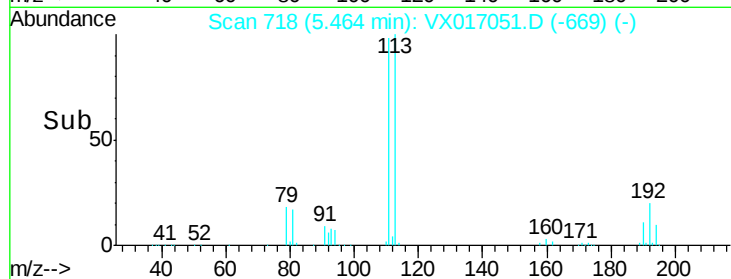
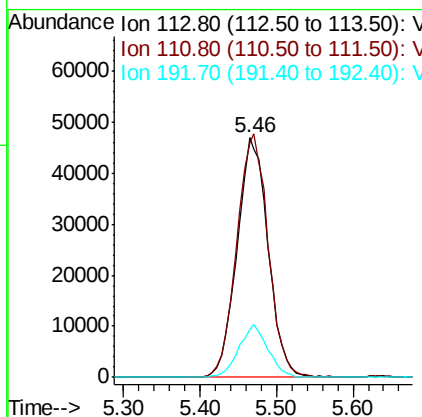
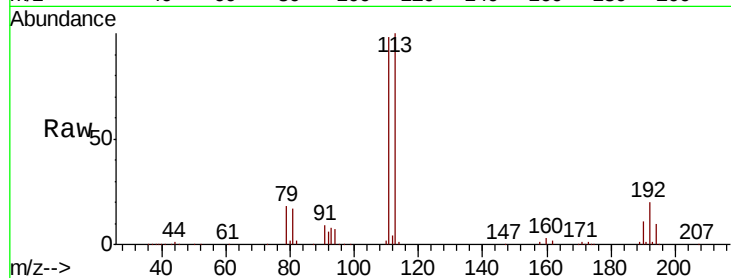




#35  
 Dibromofluoromethane  
 Concen: 52.022 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.00 min  
 Lab File: VX017051.D  
 Acq: 30 Jun 2020 17:33

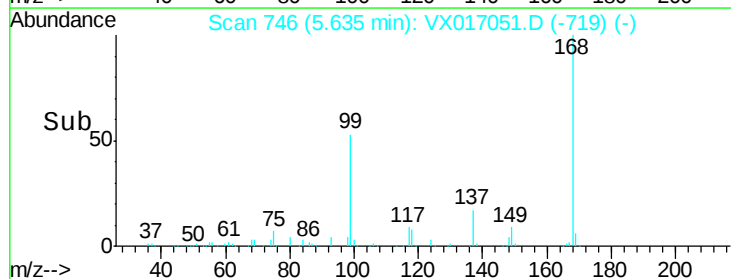
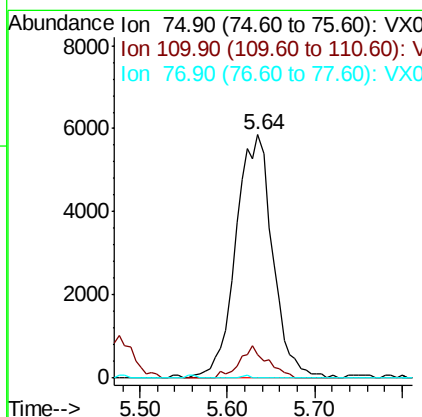
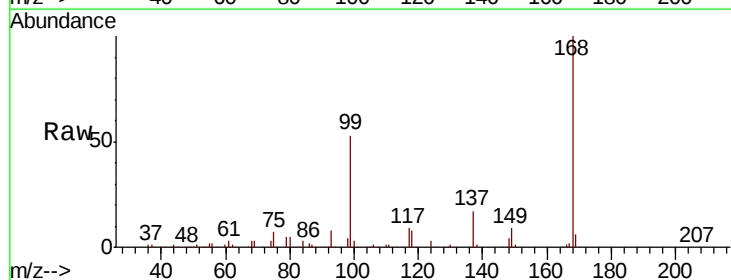
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

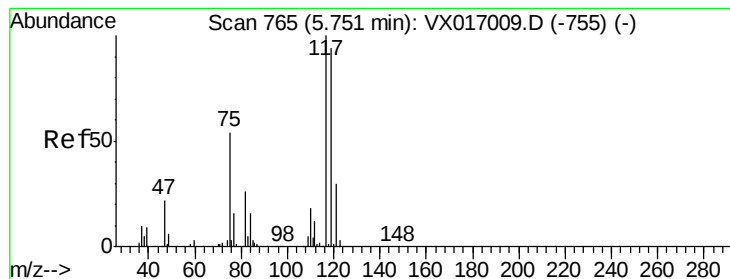
Tot Ion:113 Resp: 131989  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.9 122.9  
 192 20.7 16.7 25.1



#36  
 1,1-Dichloropropene  
 Concen: 4.507 ug/l  
 RT: 5.64 min Scan# 746  
 Delta R.T. -0.13 min  
 Lab File: VX017051.D  
 Acq: 30 Jun 2020 17:33

Tgt Ion: 75 Resp: 17085  
 Ion Ratio Lower Upper  
 75 100  
 110 10.1 18.1 54.1#  
 77 0.2 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.461 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampleId :

MW-2

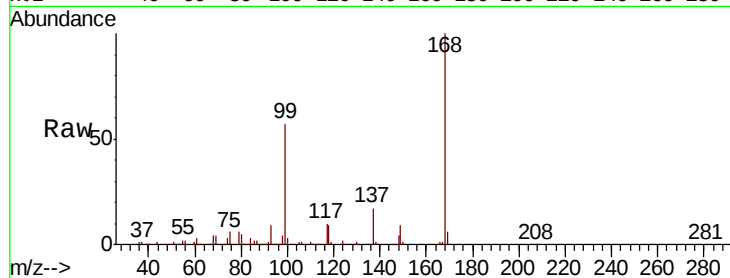
Tot Ion:117 Resp: 22799

Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.0#

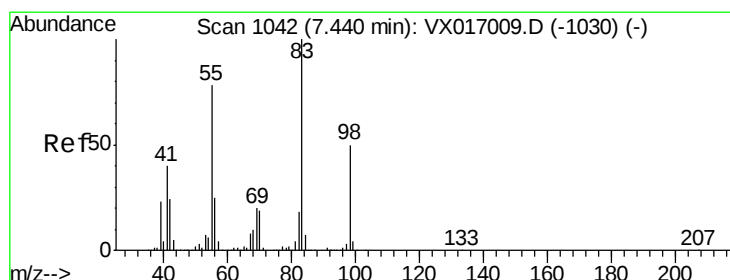
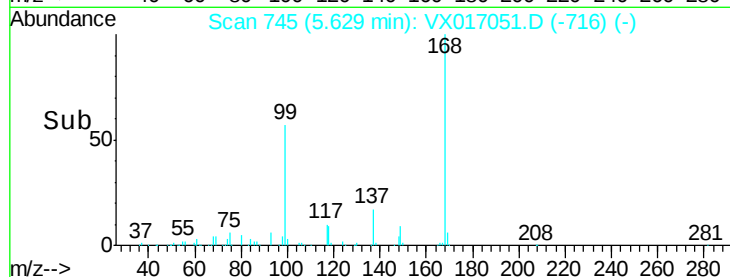
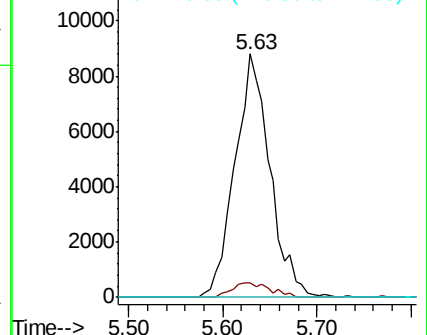
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.481 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

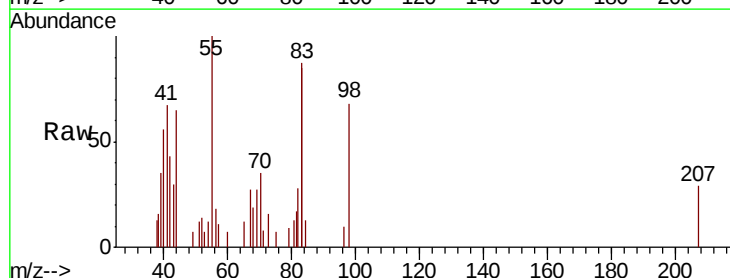
Tgt Ion: 83 Resp: 2030

Ion Ratio Lower Upper

83 100

55 50.6 62.5 93.7#

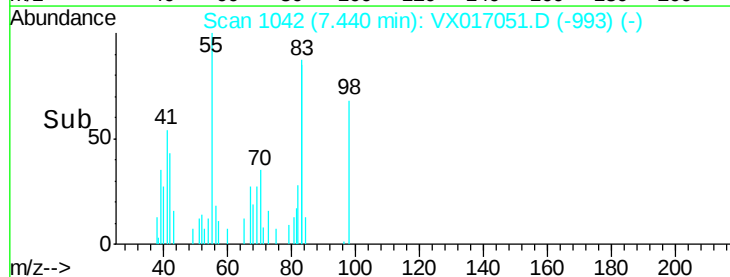
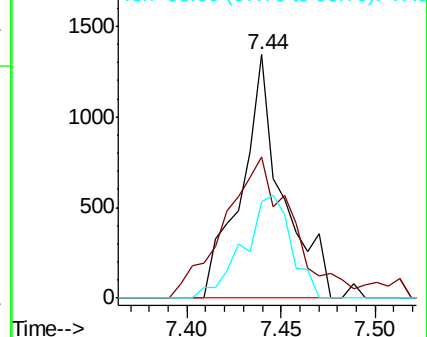
98 39.6 40.1 60.1#

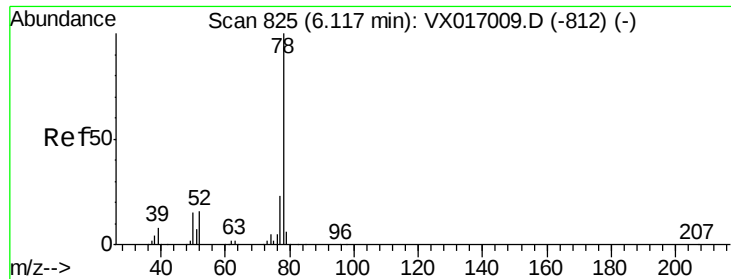


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.362 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampled :

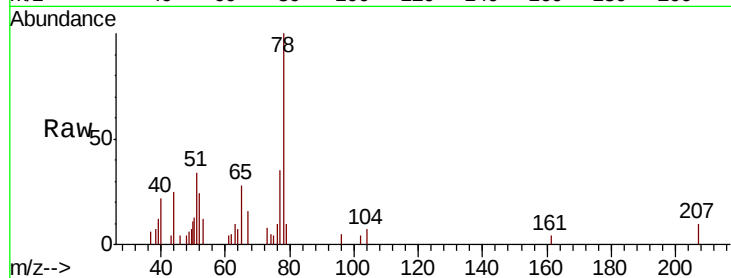
MW-2

Tot Ion: 78 Resp: 4037

Ion Ratio Lower Upper

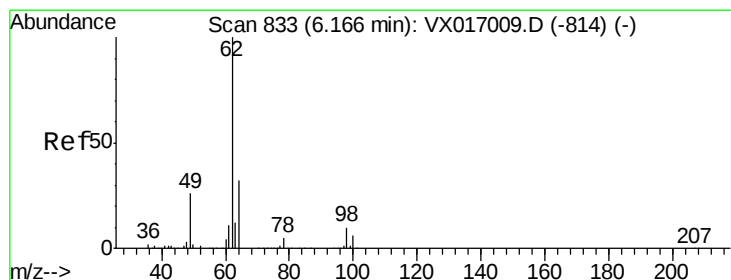
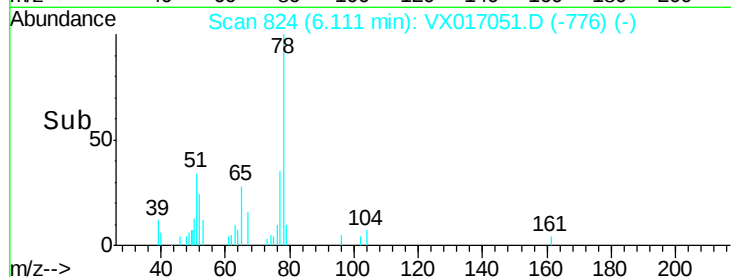
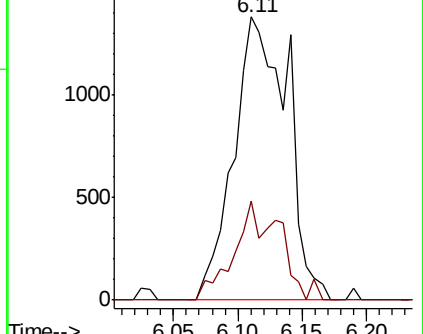
78 100

77 35.0 18.3 27.5#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 2.266 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017051.D

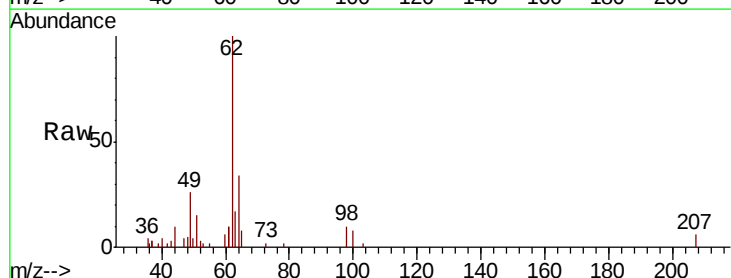
Acq: 30 Jun 2020 17:33

Tgt Ion: 62 Resp: 9115

Ion Ratio Lower Upper

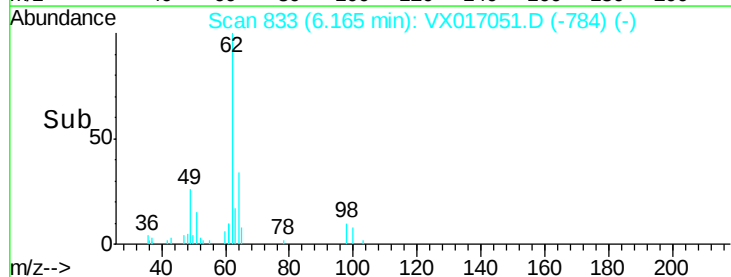
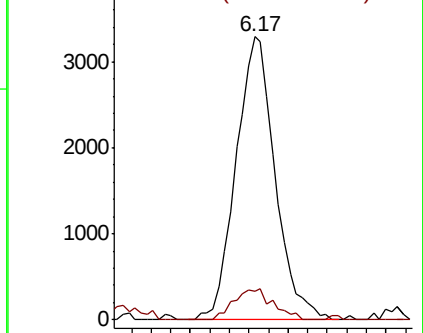
62 100

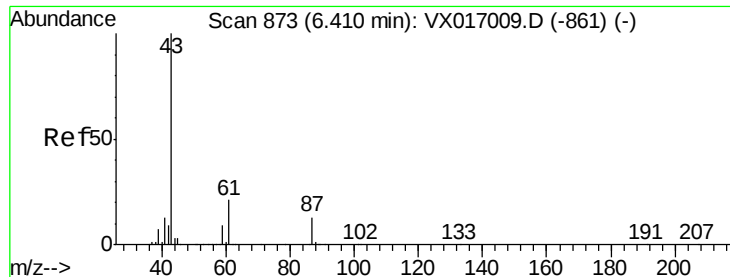
98 11.1 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 4.463 ug/l

RT: 6.30 min Scan# 855

Delta R.T. -0.11 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampled :

MW-2

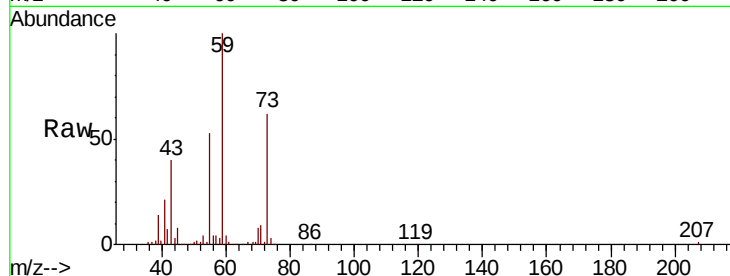
Tot Ion: 43 Resp: 28525

Ion Ratio Lower Upper

43 100

61 1.5 16.2 24.2#

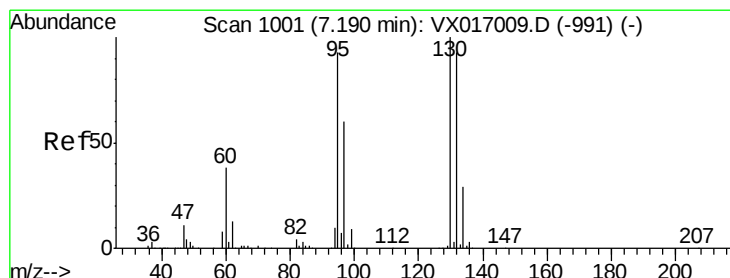
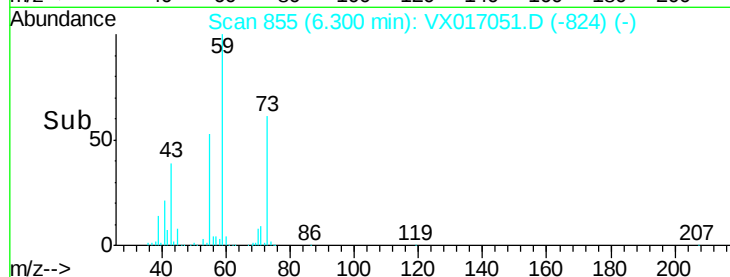
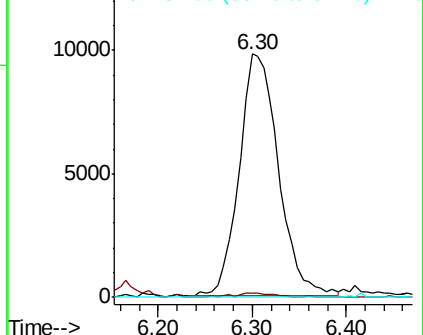
87 0.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.533 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017051.D

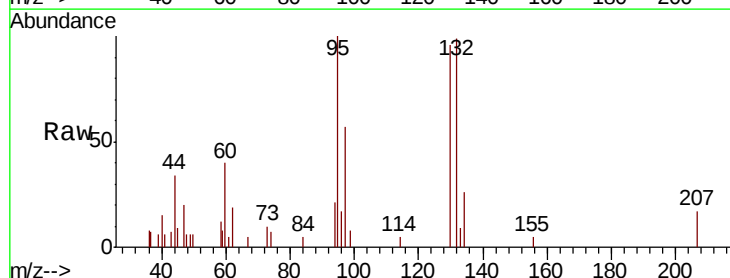
Acq: 30 Jun 2020 17:33

Tgt Ion:130 Resp: 2579

Ion Ratio Lower Upper

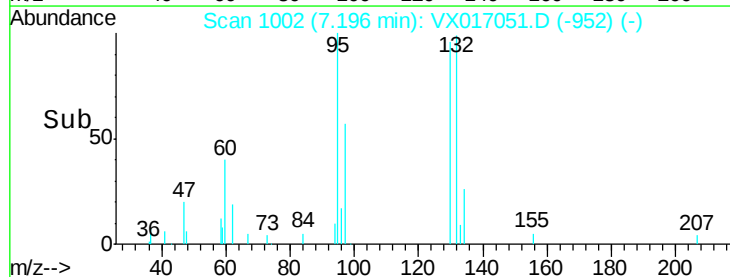
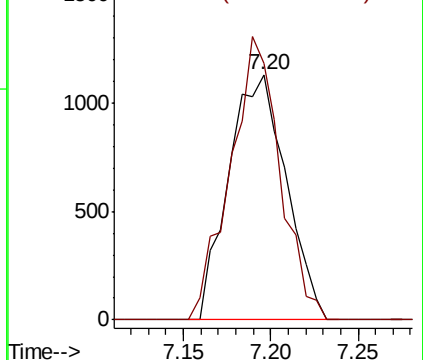
130 100

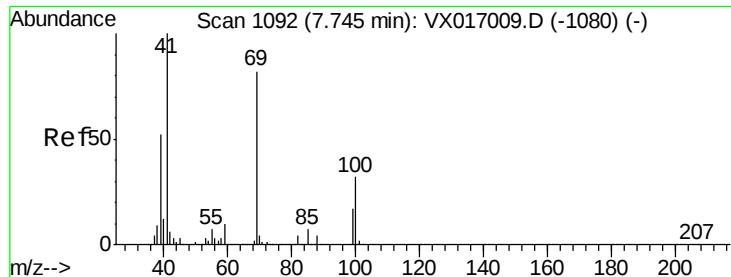
95 104.7 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

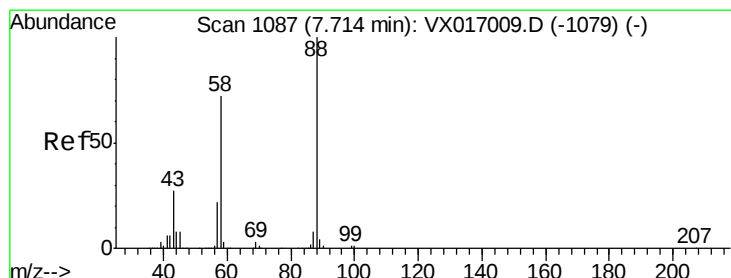
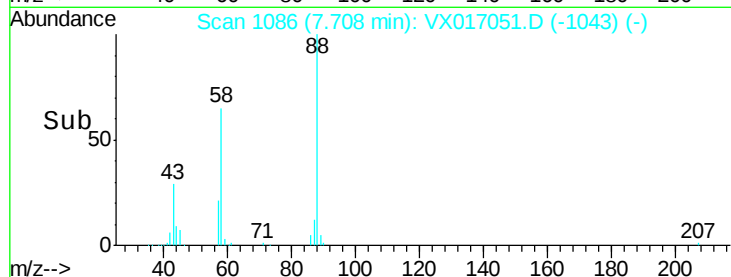
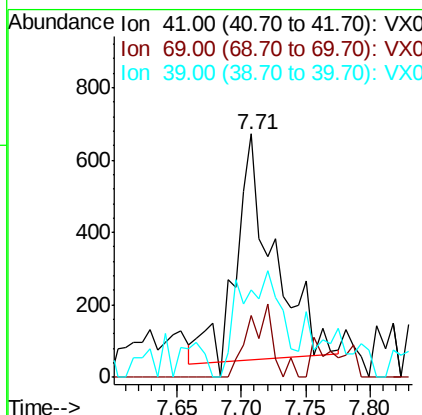
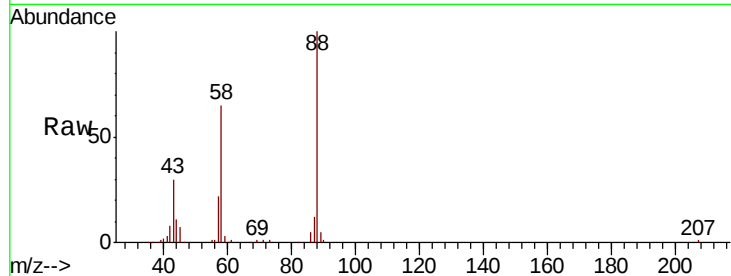




#48  
Methvl methacrylate  
Concen: 0.416 ug/l  
RT: 7.71 min Scan# 1086  
Delta R.T. -0.04 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

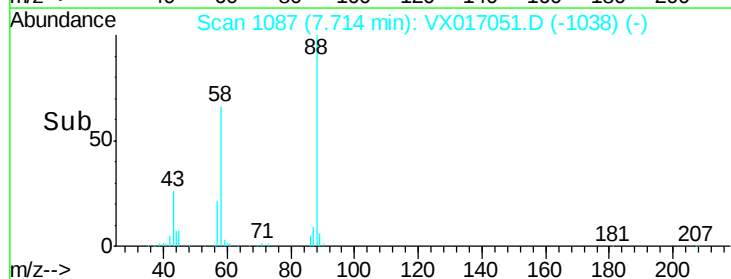
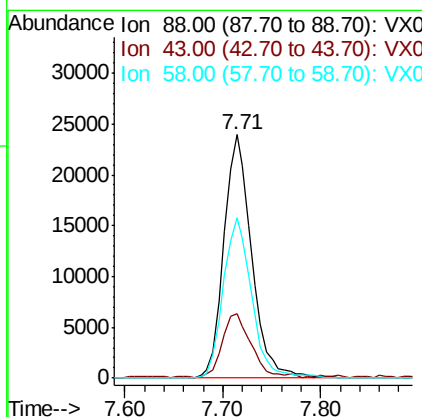
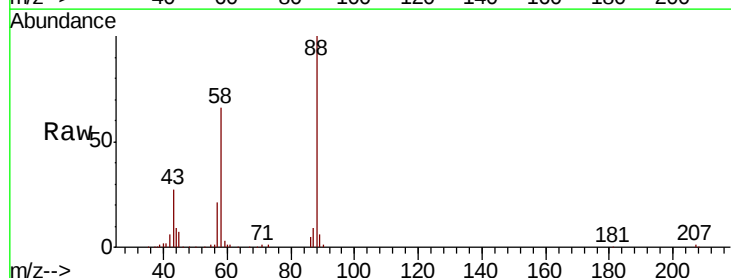
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2

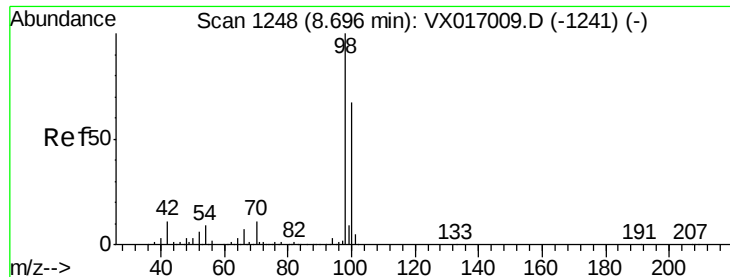
Tot Ion: 41 Resp: 1264  
Ion Ratio Lower Upper  
41 100  
69 20.9 65.8 98.8#  
39 53.6 42.5 63.7



#49  
1,4-Dioxane  
Concen: 688.133 ug/l  
RT: 7.71 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

Tgt Ion: 88 Resp: 47336  
Ion Ratio Lower Upper  
88 100  
43 26.5 25.8 38.8  
58 67.3 54.8 82.2





#50

Toluene-d8

Concen: 52.452 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampleId :

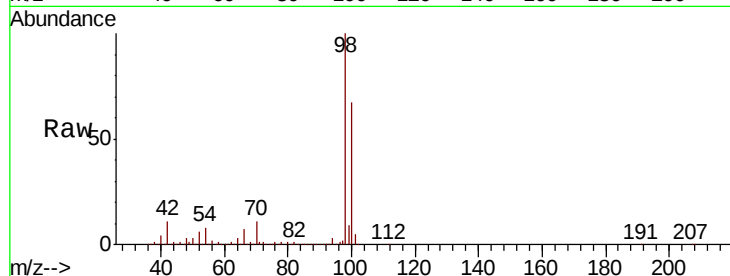
MW-2

Tot Ion: 98 Resp: 492095

Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

300000

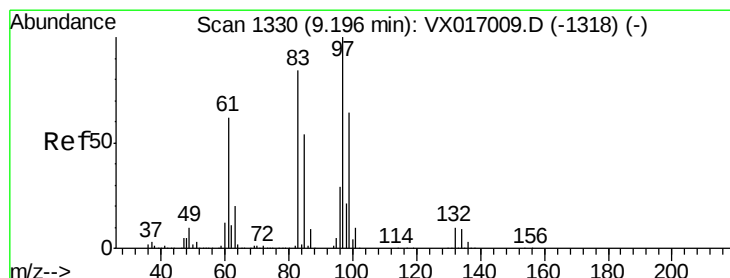
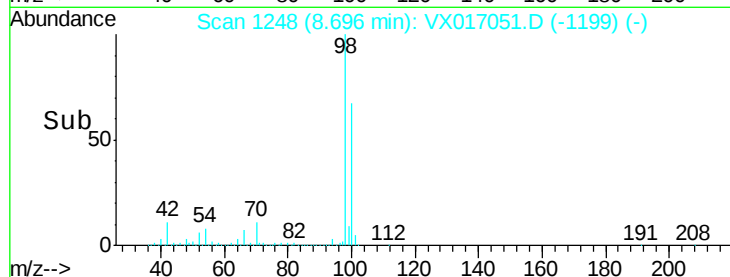
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#55

1,1,2-Trichloroethane

Concen: 0.210 ug/l

RT: 9.15 min Scan# 1323

Delta R.T. -0.04 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Tgt Ion: 97 Resp: 597

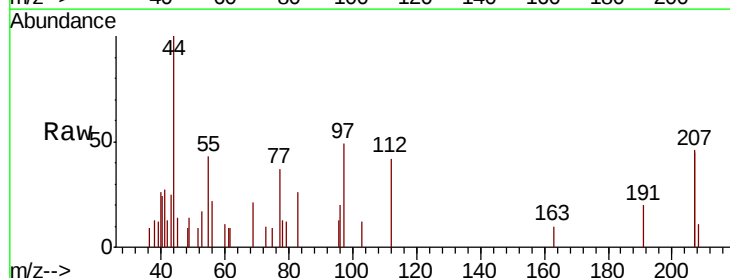
Ion Ratio Lower Upper

97 100

83 52.5 67.0 100.6#

85 0.0 43.5 65.3#

99 0.0 51.0 76.6#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

400

300

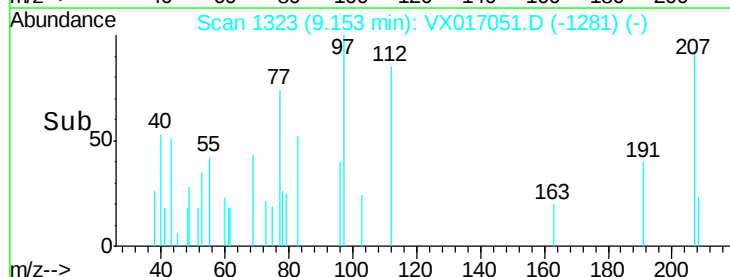
200

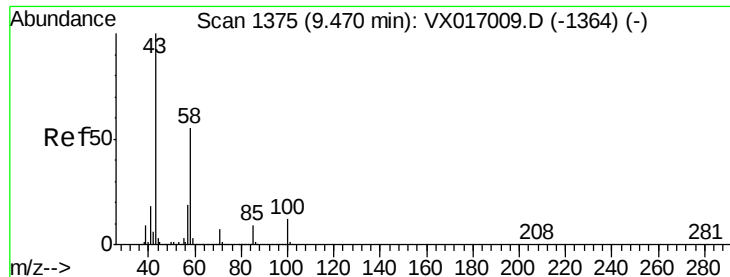
100

0

Time-->

9.10 9.15 9.20

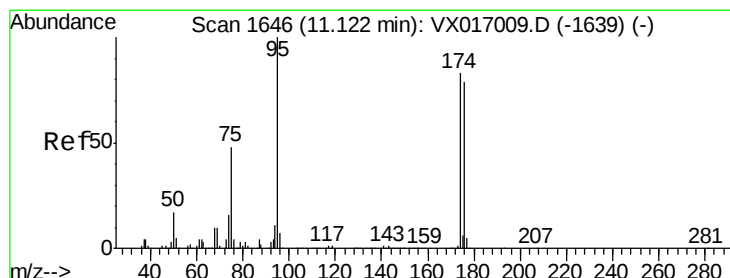
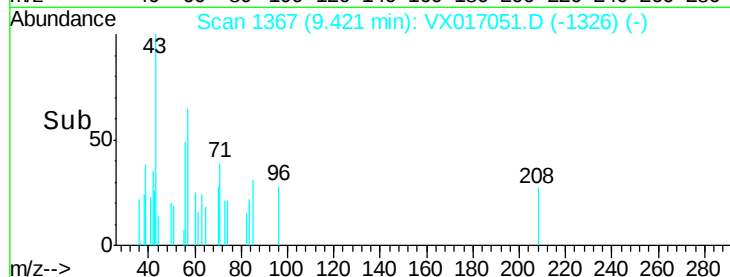
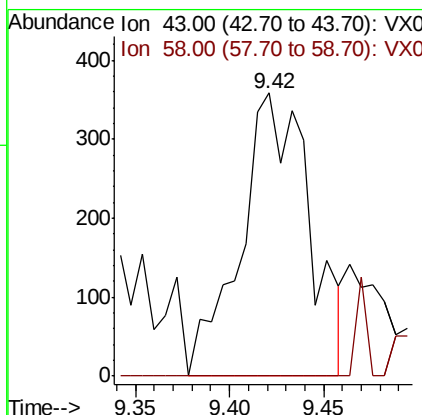
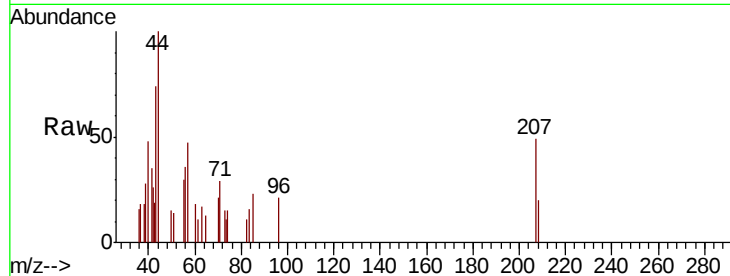




#59  
2-Hexanone  
Concen: 0.327 ug/l  
RT: 9.42 min Scan# 1367  
Delta R.T. -0.05 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

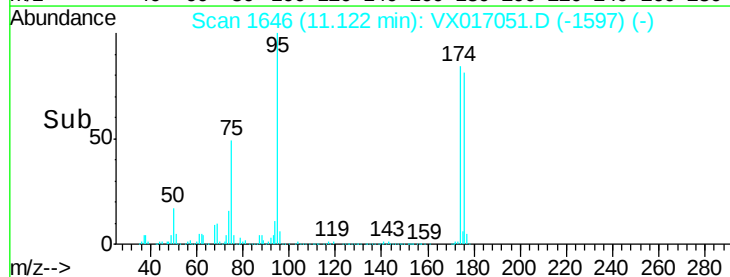
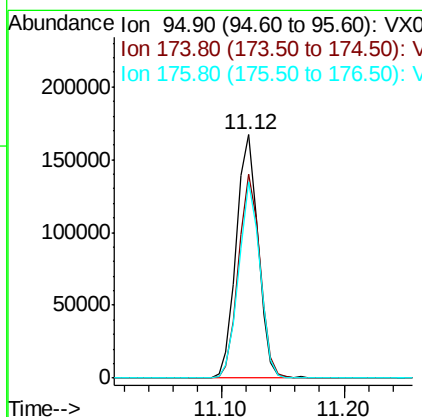
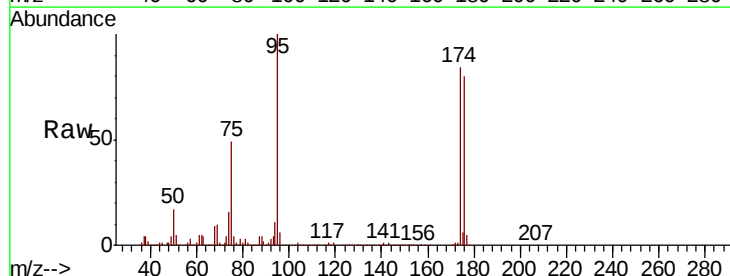
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

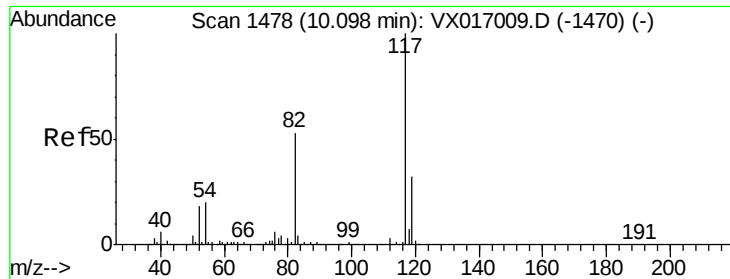
Tot Ion: 43 Resp: 911  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.9 83.6#



#62  
4-Bromofluorobenzene  
Concen: 56.031 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

Tgt Ion: 95 Resp: 205493  
Ion Ratio Lower Upper  
95 100  
174 82.7 0.0 164.0  
176 78.3 0.0 157.6

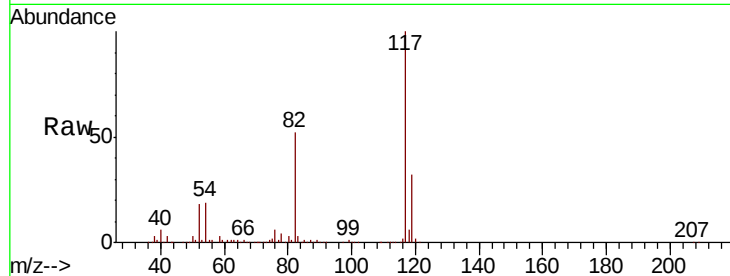




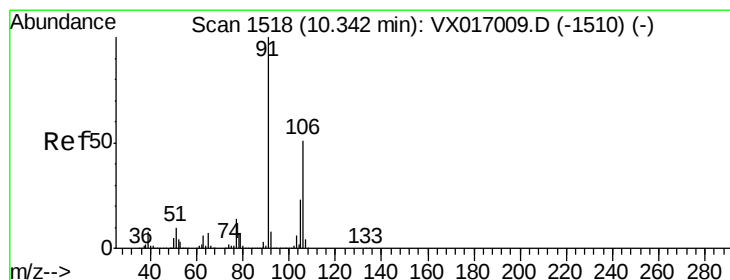
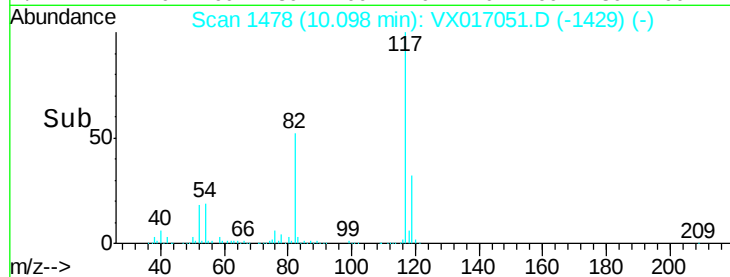
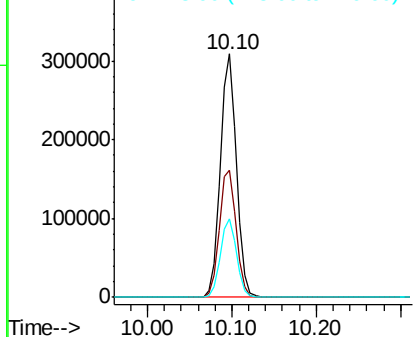
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

Tot Ion:117 Resp: 409541  
Ion Ratio Lower Upper  
117 100  
82 52.4 42.6 63.8  
119 32.3 25.4 38.2

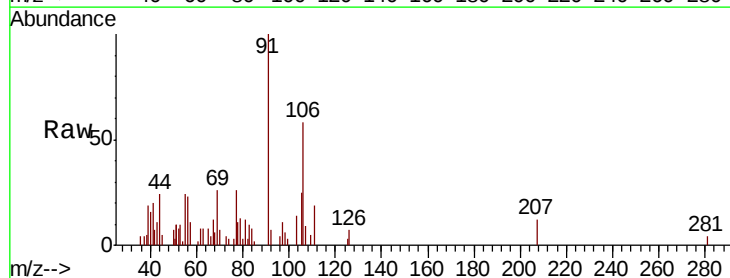


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

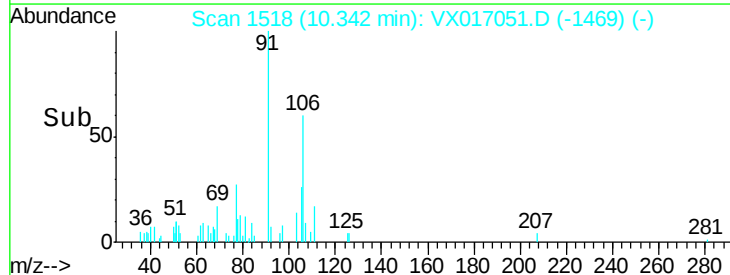
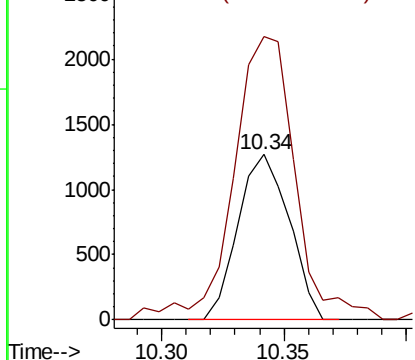


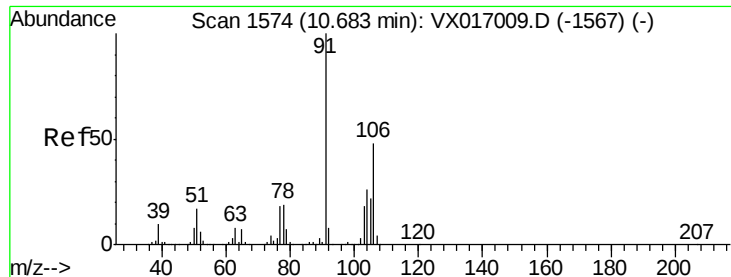
#68  
m/p-Xylenes  
Concen: 0.339 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

Tgt Ion:106 Resp: 1838  
Ion Ratio Lower Upper  
106 100  
91 207.1 158.6 238.0



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

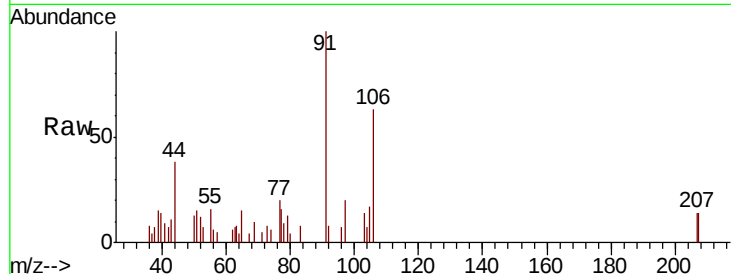




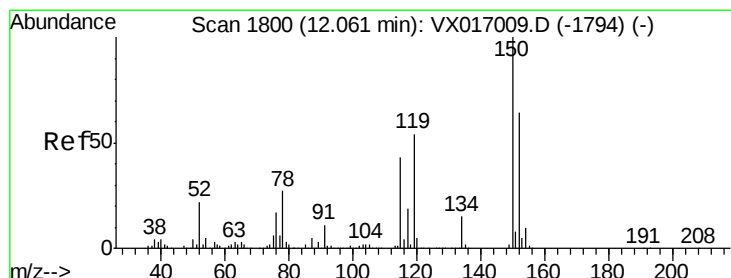
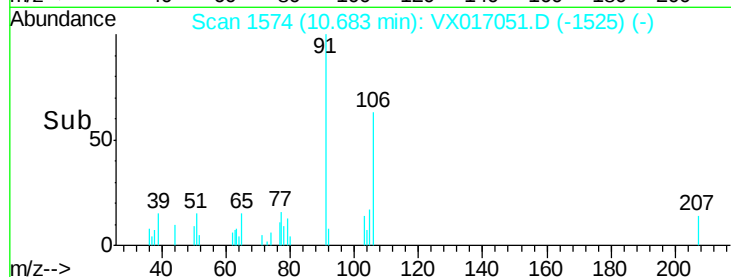
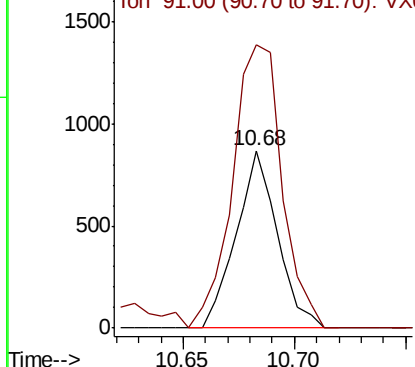
#69  
o-Xylene  
Concen: 0.217 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2

Tot Ion:106 Resp: 1118  
Ion Ratio Lower Upper  
106 100  
91 192.3 105.6 316.7

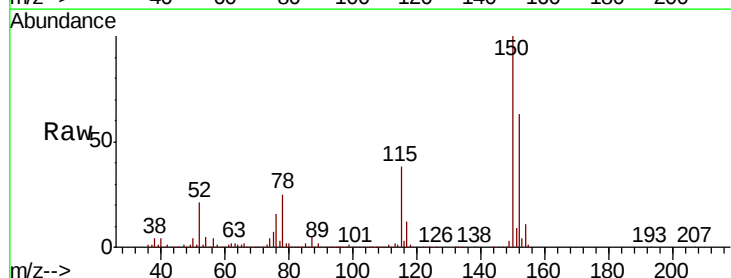


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

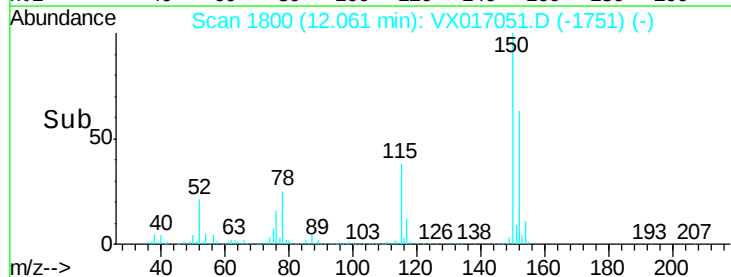
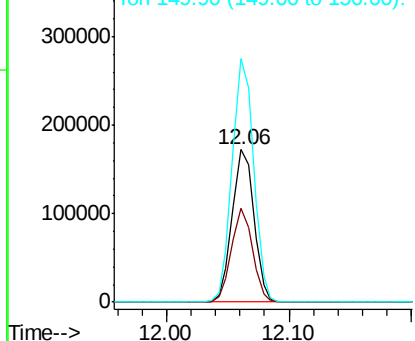


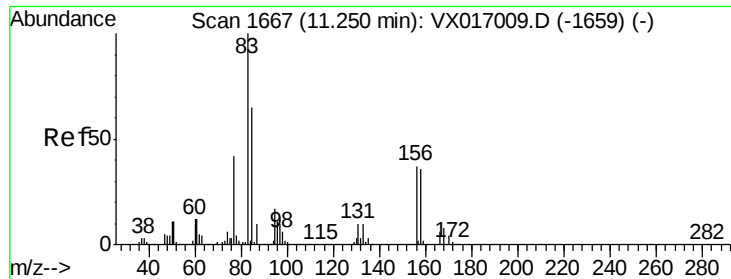
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

Tgt Ion:152 Resp: 211551  
Ion Ratio Lower Upper  
152 100  
115 58.9 40.9 122.7  
150 157.4 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.205 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampled :

MW-2

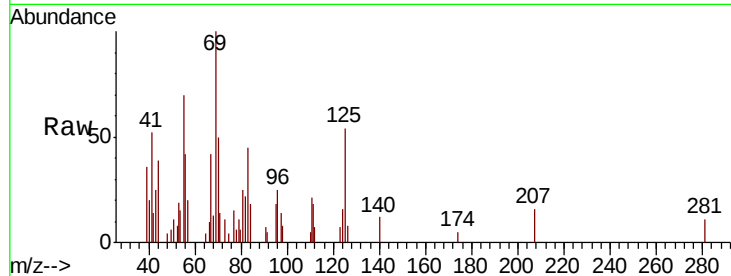
Tot Ion: 83 Resp: 895

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

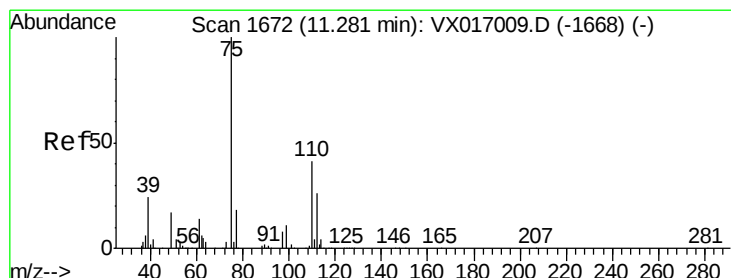
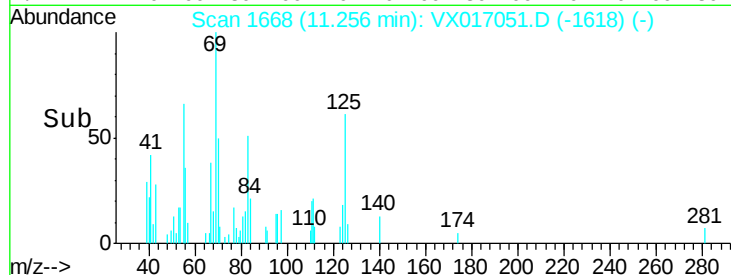
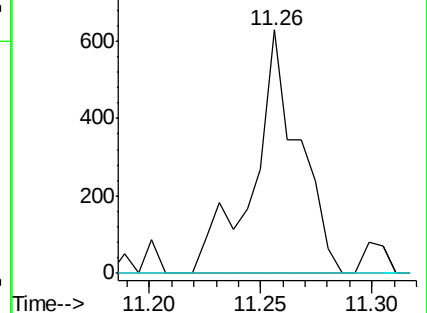
85 0.0 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.316 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017051.D

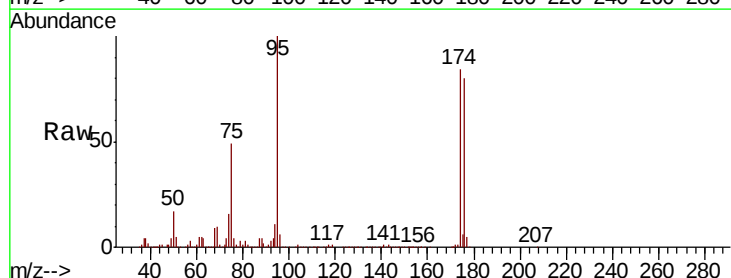
Acq: 30 Jun 2020 17:33

Tgt Ion: 75 Resp: 101155

Ion Ratio Lower Upper

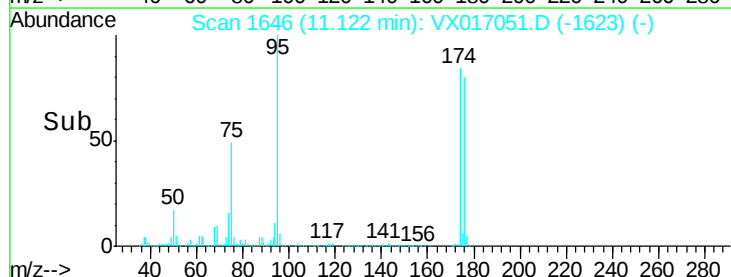
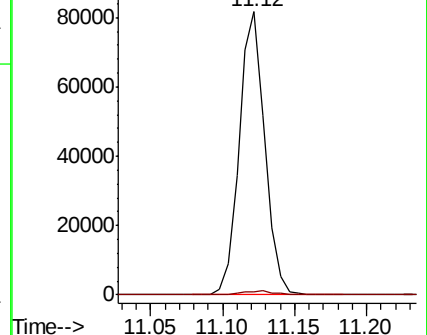
75 100

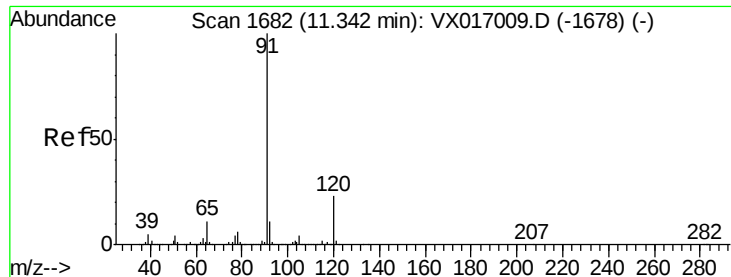
77 1.9 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

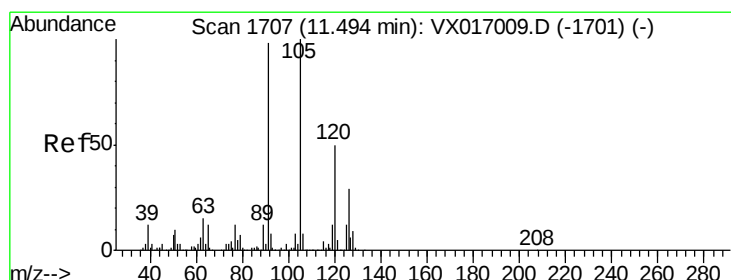
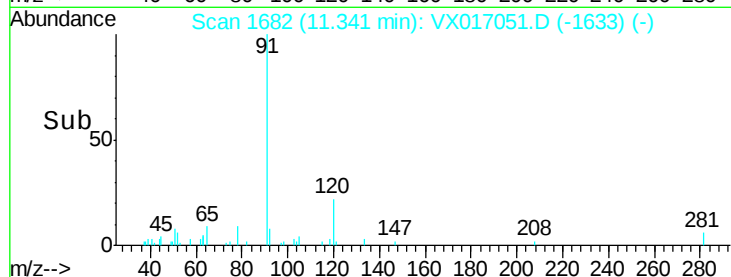
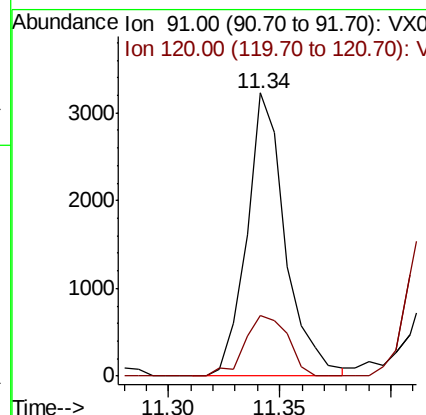
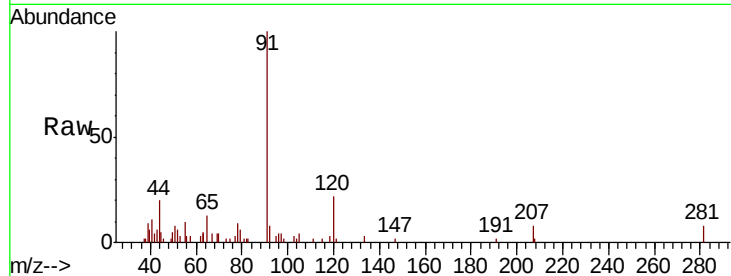




#78  
n-propylbenzene  
Concen: 0.249 ug/l  
RT: 11.34 min Scan# 1682  
Delta R.T. -0.00 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

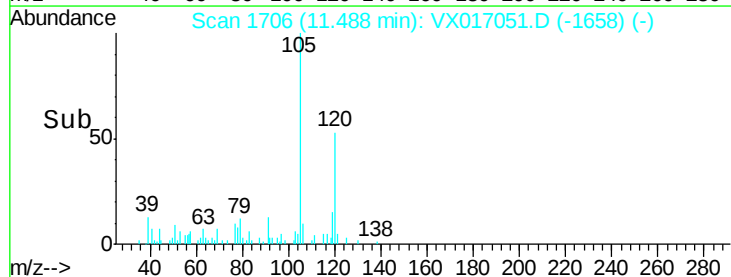
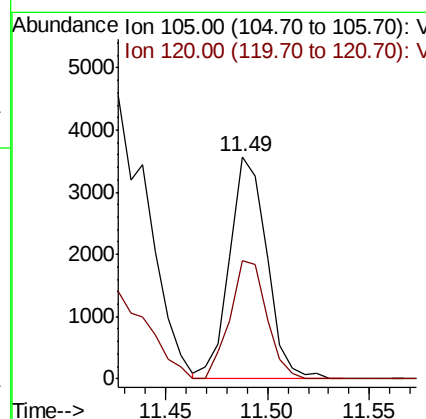
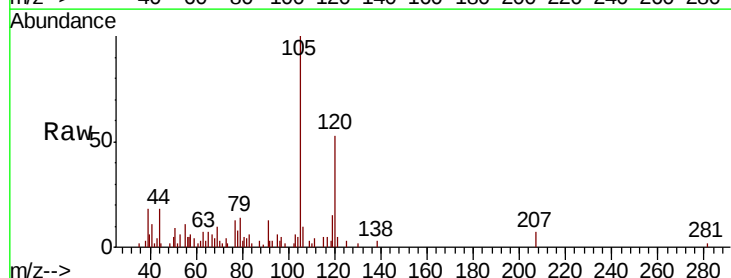
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2

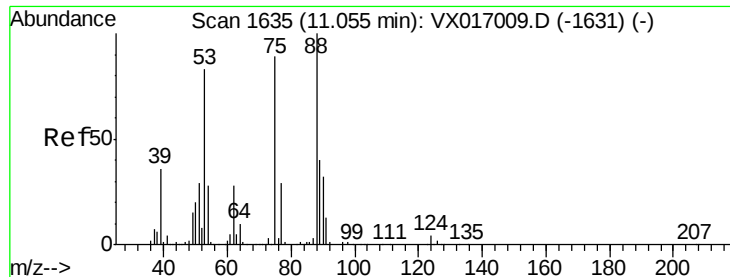
Tot Ion: 91 Resp: 3895  
Ion Ratio Lower Upper  
91 100  
120 24.1 11.9 35.9



#80  
1,3,5-Trimethylbenzene  
Concen: 0.393 ug/l  
RT: 11.49 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: VX017051.D  
Acq: 30 Jun 2020 17:33

Tgt Ion: 105 Resp: 4517  
Ion Ratio Lower Upper  
105 100  
120 52.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 62.970 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampleId :

MW-2

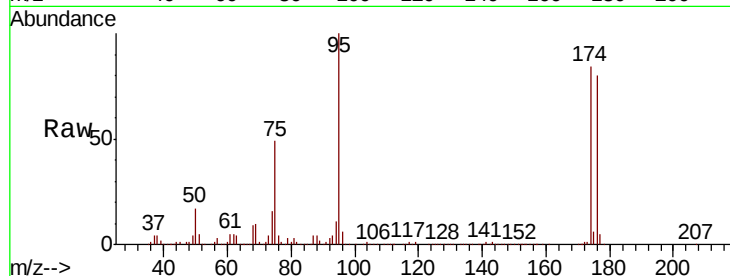
Tot Ion: 75 Resp: 101155

Ion Ratio Lower Upper

75 100

53 1.4 72.4 108.6#

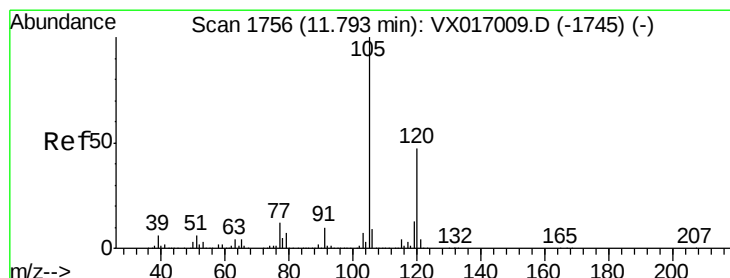
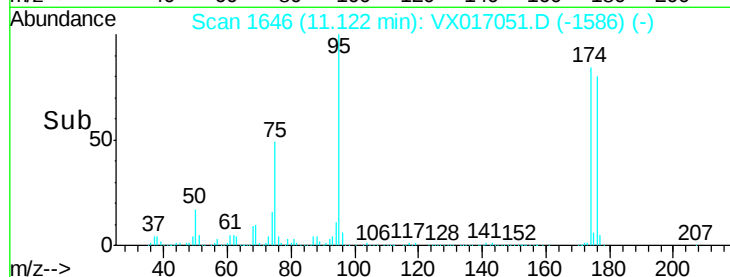
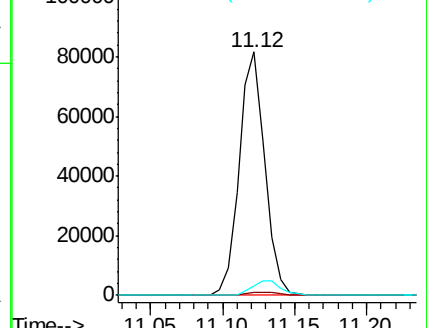
89 6.5 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 1.050 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017051.D

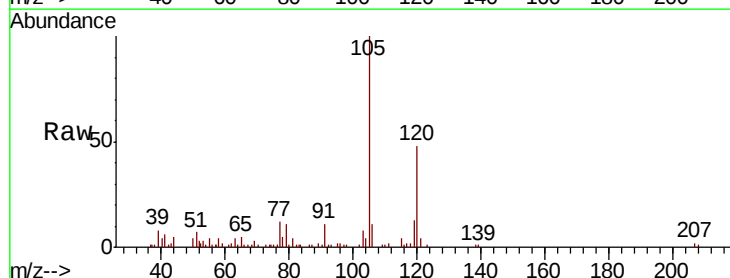
Acq: 30 Jun 2020 17:33

Tgt Ion: 105 Resp: 12240

Ion Ratio Lower Upper

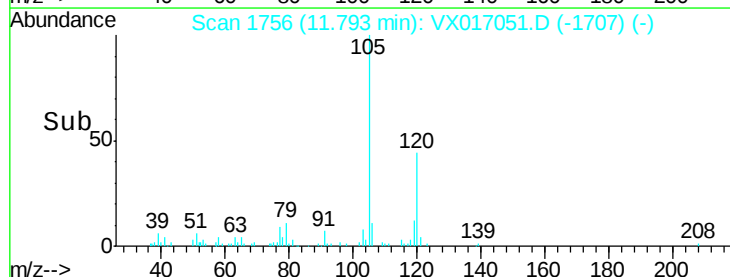
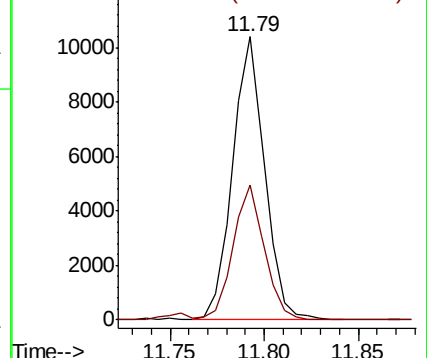
105 100

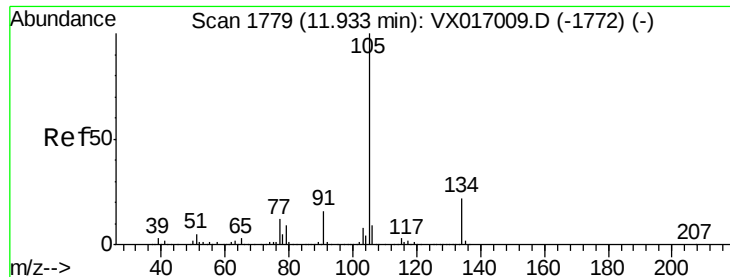
120 46.6 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

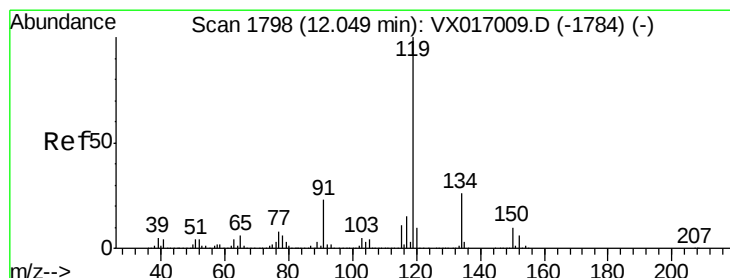
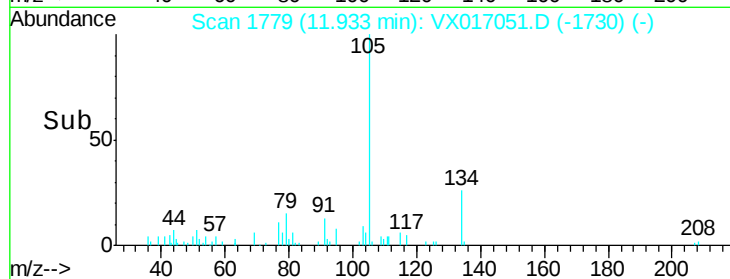
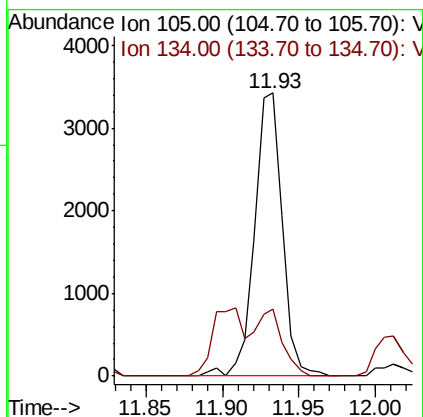
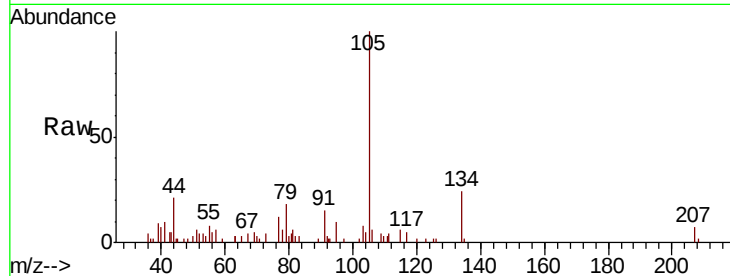




#85  
 sec-Butylbenzene  
 Concen: 0.326 ug/l  
 RT: 11.93 min Scan# 1779  
 Delta R.T. -0.00 min  
 Lab File: VX017051.D  
 Acq: 30 Jun 2020 17:33

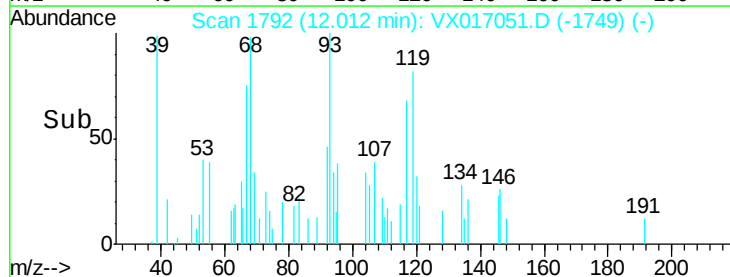
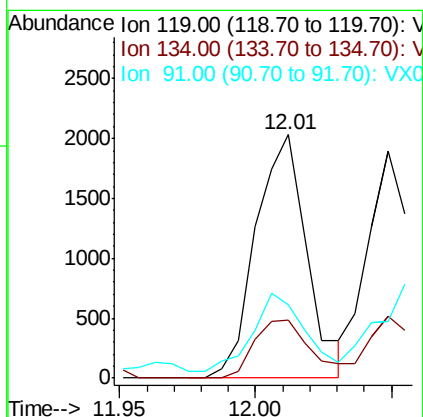
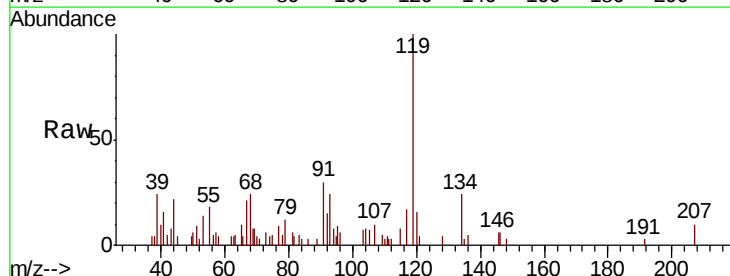
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

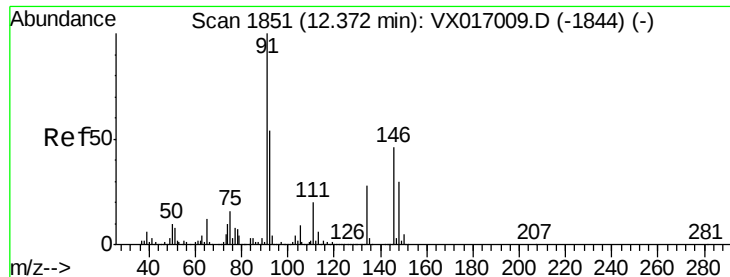
Tot Ion:105 Resp: 4327  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 10.5 31.6



#86  
 p-Isopropyltoluene  
 Concen: 0.214 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. -0.04 min  
 Lab File: VX017051.D  
 Acq: 30 Jun 2020 17:33

Tgt Ion:119 Resp: 2645  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.2 39.5  
 91 32.7 11.8 35.4





#89

n-Butylbenzene

Concen: 0.420 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Instrument :

MSVOA\_X

ClientSampled :

MW-2

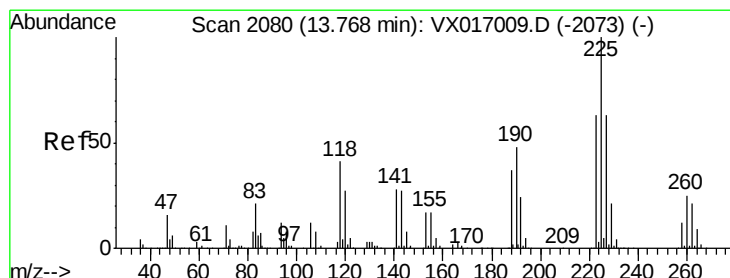
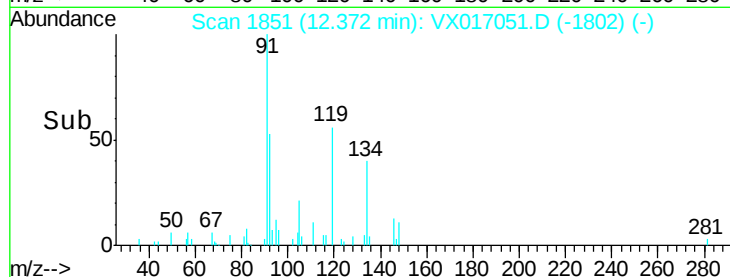
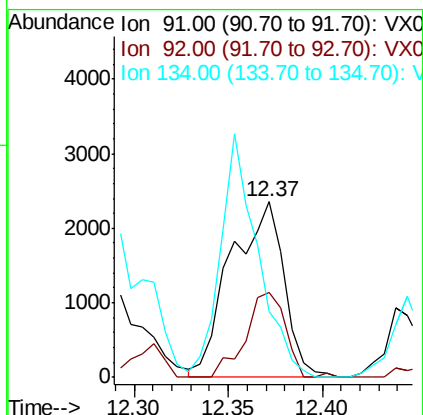
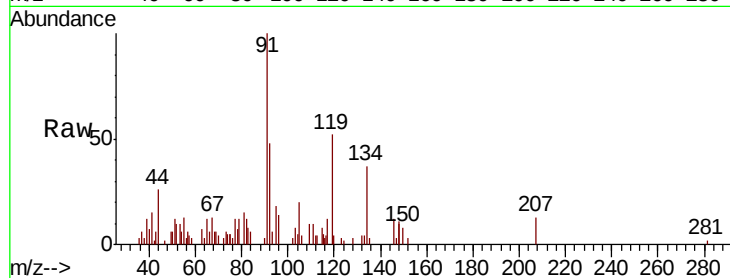
Tot Ion: 91 Resp: 4628

Ion Ratio Lower Upper

91 100

92 35.6 27.2 81.6

134 96.9 13.6 40.7#



#94

Hexachlorobutadiene

Concen: 0.860 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017051.D

Acq: 30 Jun 2020 17:33

Tgt Ion: 225 Resp: 27

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 0.0 33.1 99.2#

