

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\  
 Data File : VX016980.D  
 Acq On : 26 Jun 2020 13:58  
 Operator : JC/SP  
 Sample : L3066-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1

Quant Time: Jun 27 04:22:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062620W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 26 08:34:16 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 218286   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 396025   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 405373   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 215400   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.04   | 65  | 179431   | 54.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.86% |      |
| 35) Dibromofluoromethane  | 5.47   | 113 | 132659   | 50.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.44% |      |
| 50) Toluene-d8            | 8.70   | 98  | 500996   | 52.25 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.50% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 227946   | 61.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 122.96% |      |

## Target Compounds

|                                |       |     |         |           | Qvalue |     |
|--------------------------------|-------|-----|---------|-----------|--------|-----|
| 3) Chloromethane               | 1.32  | 50  | 1011    | 0.378     | ug/l   | 99  |
| 5) Bromomethane                | 1.64  | 94  | 278     | Below Cal | #      | 19  |
| 10) Methyl Iodide              | 2.49  | 142 | 150     | 2.831     | ug/l # | 38  |
| 11) Tert butyl alcohol         | 3.01  | 59  | 2001    | 3.215     | ug/l # | 76  |
| 13) Acrolein                   | 2.26  | 56  | 359     | 0.778     | ug/l # | 32  |
| 16) Acetone                    | 2.42  | 43  | 5019    | 3.895     | ug/l   | 95  |
| 17) Carbon Disulfide           | 2.55  | 76  | 2150    | 0.280     | ug/l # | 93  |
| 20) Methylene Chloride         | 2.83  | 84  | 1164    | 0.397     | ug/l   | 91  |
| 25) 2-Butanone                 | 4.64  | 43  | 778     | 0.396     | ug/l # | 86  |
| 31) Cyclohexane                | 5.55  | 56  | 1818    | 0.439     | ug/l # | 74  |
| 36) 1,1-Dichloropropene        | 5.63  | 75  | 20529   | 5.235     | ug/l # | 51  |
| 38) Carbon Tetrachloride       | 5.63  | 117 | 24469   | 5.896     | ug/l # | 16  |
| 39) Methylcyclohexane          | 7.45  | 83  | 2664    | 0.628     | ug/l   | 98  |
| 44) Trichloroethene            | 7.19  | 130 | 808     | 0.269     | ug/l   | 72  |
| 49) 1,4-Dioxane                | 7.73  | 88  | 53      | 0.770     | ug/l # | 29  |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43  | 1002    | 0.247     | ug/l # | 37  |
| 52) Toluene                    | 8.76  | 92  | 1770    | 0.254     | ug/l   | 97  |
| 55) 1,1,2-Trichloroethane      | 9.15  | 97  | 6457    | 2.258     | ug/l # | 18  |
| 56) Ethyl methacrylate         | 9.15  | 69  | 1899    | 0.443     | ug/l # | 9   |
| 60) Dibromochloromethane       | 9.32  | 129 | 797     | 0.244     | ug/l # | 11  |
| 64) Tetrachloroethene          | 9.32  | 164 | 660     | 0.241     | ug/l # | 79  |
| 67) Ethyl Benzene              | 10.24 | 91  | 212777  | 14.622    | ug/l   | 100 |
| 68) m/p-Xylenes                | 10.35 | 106 | 163941  | 30.324    | ug/l   | 94  |
| 69) o-Xylene                   | 10.68 | 106 | 8233    | 1.596     | ug/l   | 66  |
| 73) Isopropylbenzene           | 11.01 | 105 | 3184687 | 214.734   | ug/l   | 99  |
| 74) N-amyl acetate             | 10.90 | 43  | 17850   | 2.552     | ug/l # | 1   |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83  | 19838   | 3.975     | ug/l # | 36  |
| 76) 1,2,3-Trichloropropane     | 11.35 | 75  | 43951   | 9.723     | ug/l # | 1   |
| 78) n-propylbenzene            | 11.35 | 91  | 6366223 | 363.685   | ug/l   | 100 |
| 79) 2-Chlorotoluene            | 11.35 | 91  | 6366223 | 604.794   | ug/l # | 41  |
| 80) 1,3,5-Trimethylbenzene     | 11.44 | 105 | 547239  | 44.394    | ug/l   | 70  |
| 81) trans-1,4-Dichloro-2-buten | 11.00 | 75  | 43507   | 24.435    | ug/l # | 71  |
| 82) 4-Chlorotoluene            | 11.35 | 91  | 6366223 | 513.866   | ug/l # | 45  |
| 83) tert-Butylbenzene          | 11.76 | 119 | 354586  | 29.535    | ug/l   | 87  |

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 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1

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 Quant Title : SW846 8260  
 QLast Update : Fri Jun 26 08:34:16 2020  
 Response via : Initial Calibration

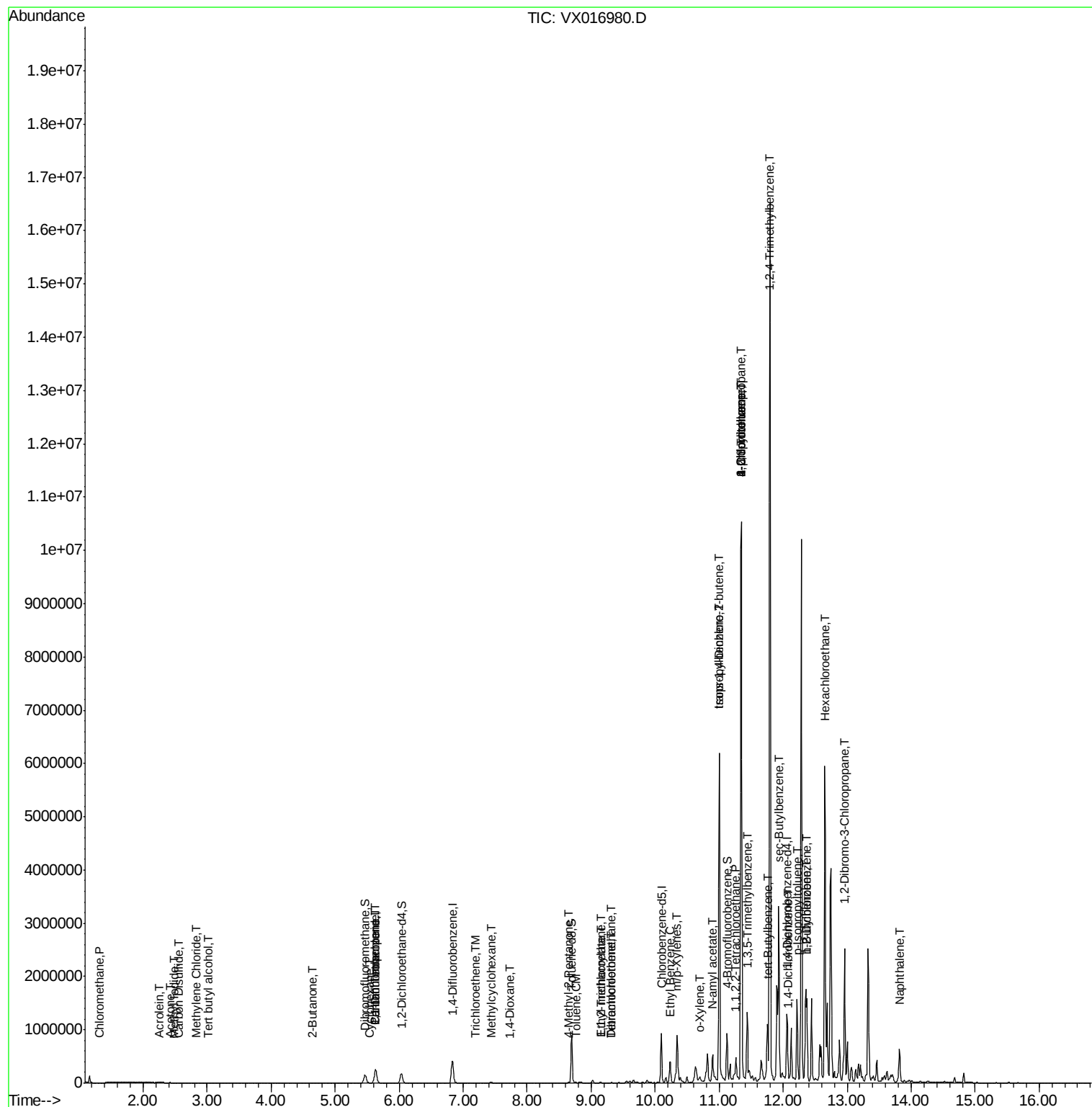
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 6803535  | 545.646 | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 1623146  | 115.957 | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.22 | 119  | 642960   | 50.272  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 1916     | 0.272   | ug/l # | 1        |
| 89) n-Butylbenzene             | 12.37 | 91   | 694896   | 57.723  | ug/l # | 82       |
| 90) Hexachloroethane           | 12.65 | 117  | 215289   | 81.200  | ug/l # | 16       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 2360     | 0.361   | ug/l # | 69       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.96 | 75   | 9320     | 8.161   | ug/l # | 5        |
| 95) Naphthalene                | 13.82 | 128  | 355115   | 25.345  | ug/l   | 99       |

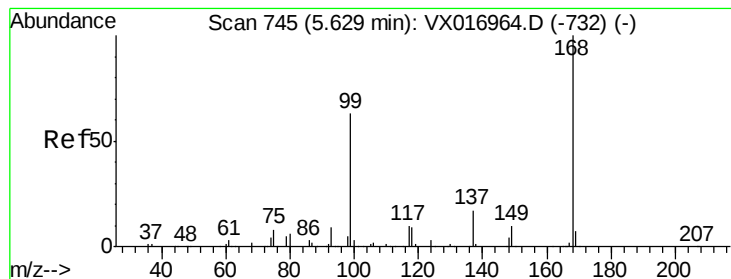
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampleId :

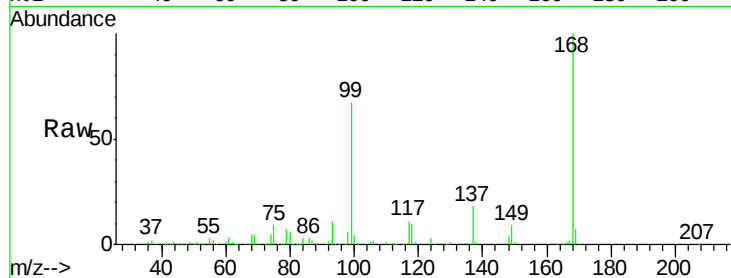
MW-1

Tot Ion:168 Resp: 218286

Ion Ratio Lower Upper

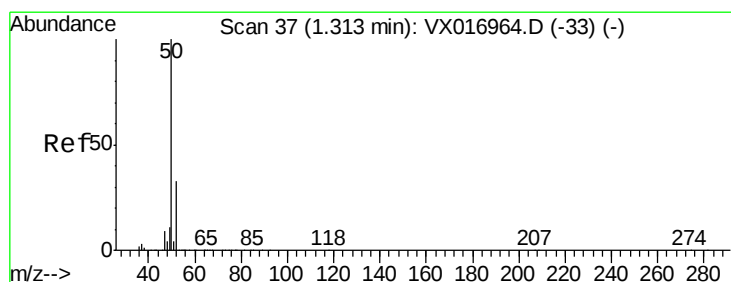
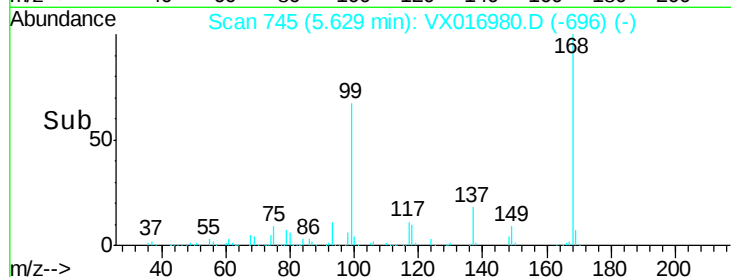
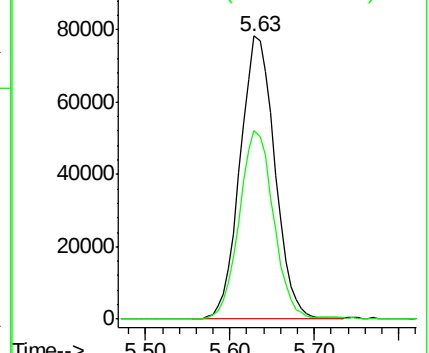
168 100

99 66.7 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.378 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016980.D

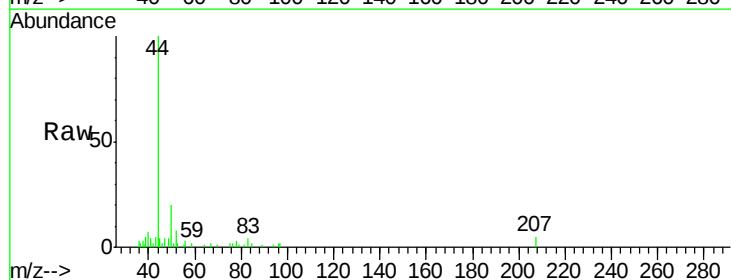
Acq: 26 Jun 2020 13:58

Tgt Ion: 50 Resp: 1011

Ion Ratio Lower Upper

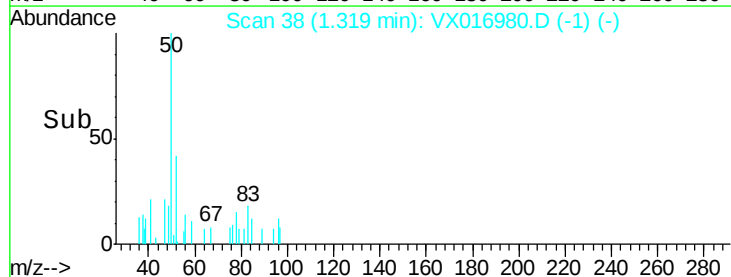
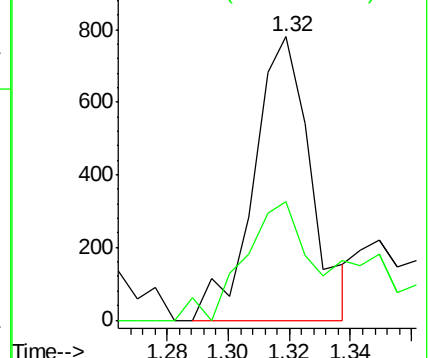
50 100

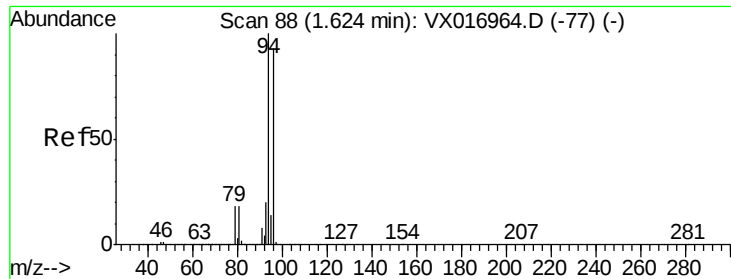
52 33.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampled :

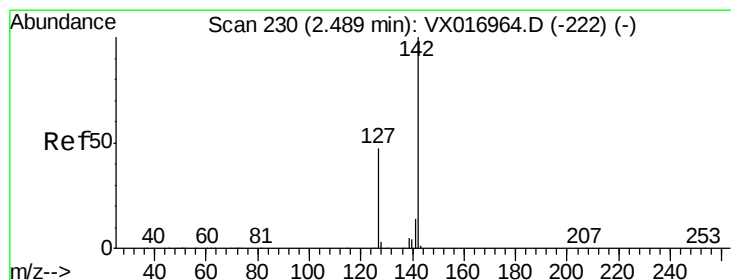
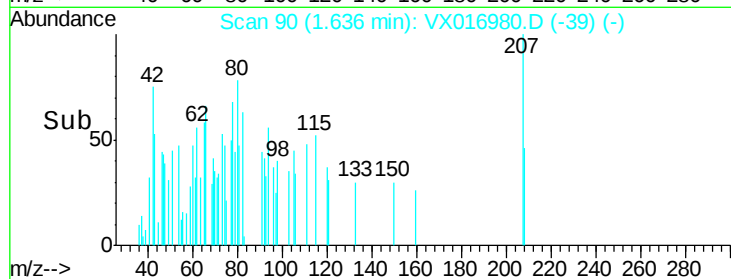
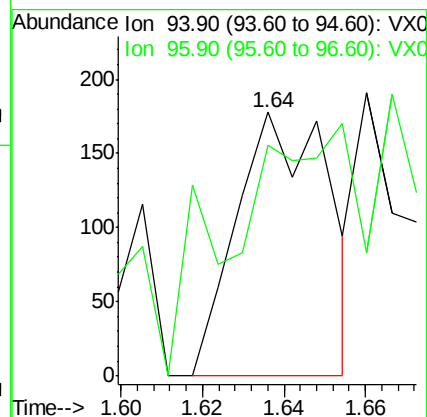
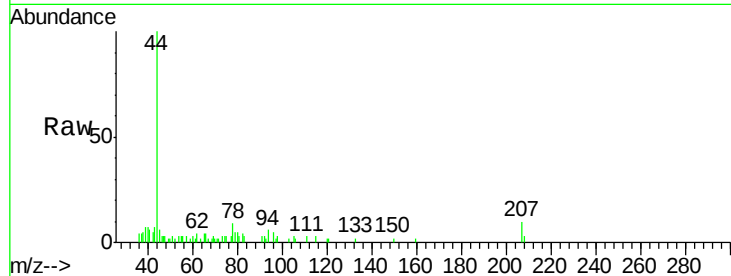
MW-1

Tot Ion: 94 Resp: 278

Ion Ratio Lower Upper

94 100

96 15.2 74.2 111.2#



#10

Methyl Iodide

Concen: 2.831 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

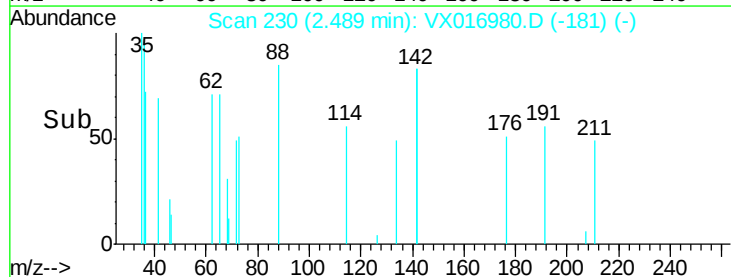
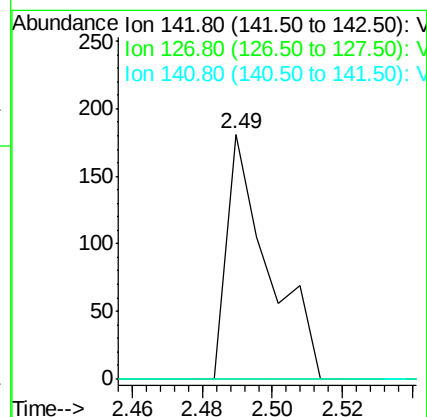
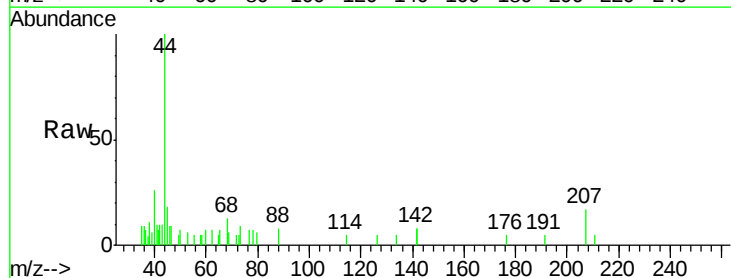
Tgt Ion: 142 Resp: 150

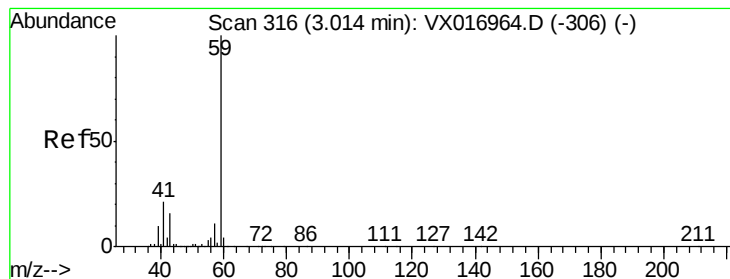
Ion Ratio Lower Upper

142 100

127 0.0 37.4 56.0#

141 0.0 11.7 17.5#



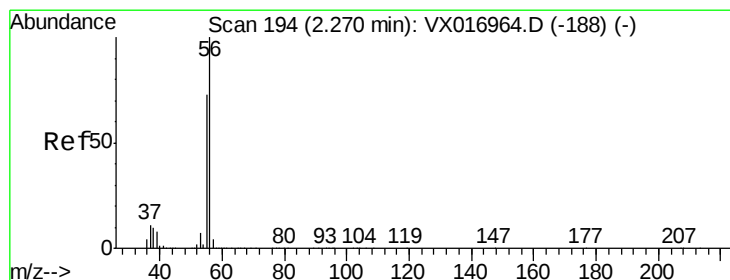
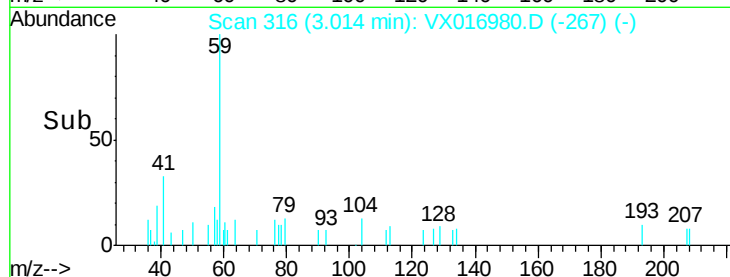
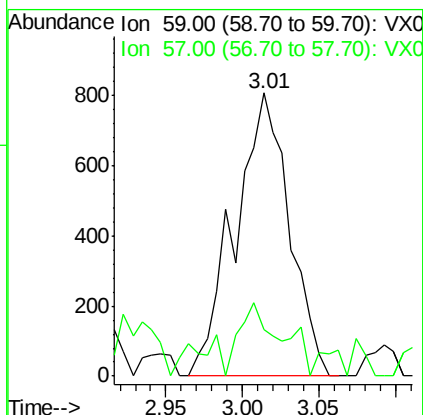
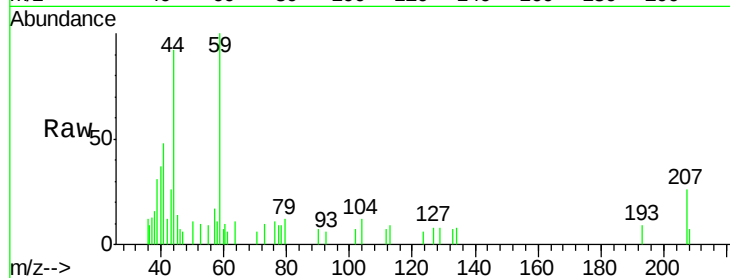


#11

Tert butyl alcohol  
Concen: 3.215 ug/l  
RT: 3.01 min Scan# 316  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-1

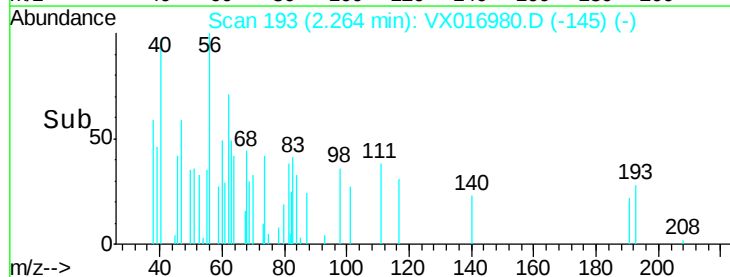
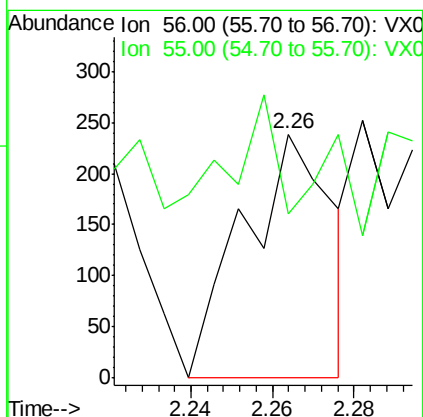
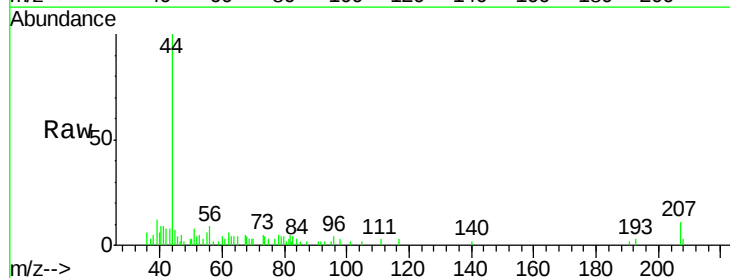
Tot Ion: 59 Resp: 2001  
Ion Ratio Lower Upper  
59 100  
57 19.6 8.5 12.7#

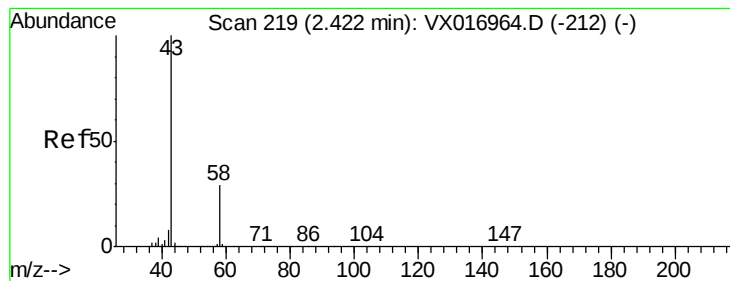


#13

Acrolein  
Concen: 0.778 ug/l  
RT: 2.26 min Scan# 193  
Delta R.T. -0.01 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Tgt Ion: 56 Resp: 359  
Ion Ratio Lower Upper  
56 100  
55 15.3 57.5 86.3#





#16

Acetone

Concen: 3.895 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampleId :

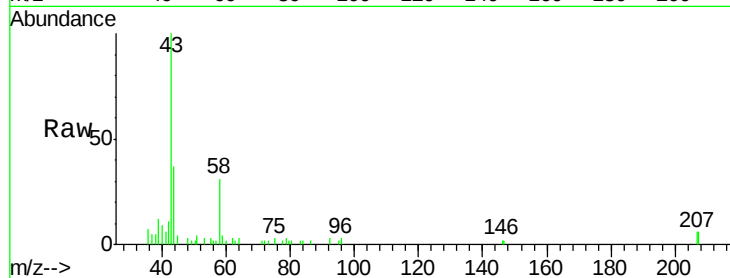
MW-1

Tot Ion: 43 Resp: 5019

Ion Ratio Lower Upper

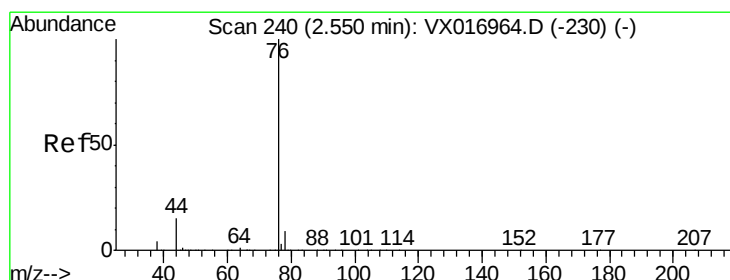
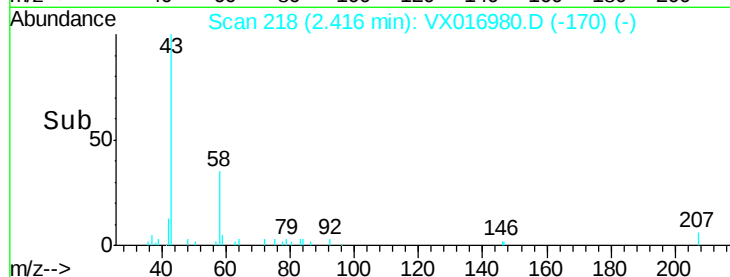
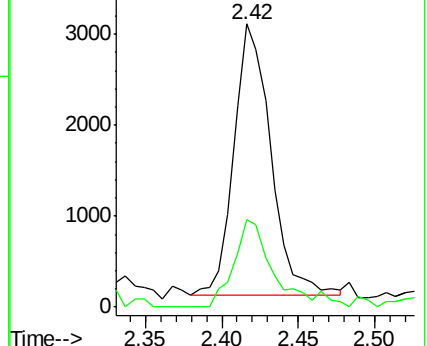
43 100

58 32.3 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.280 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016980.D

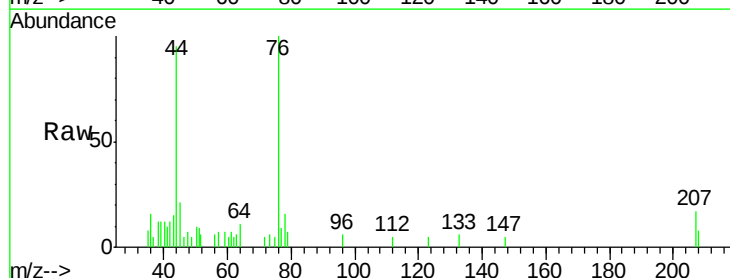
Acq: 26 Jun 2020 13:58

Tgt Ion: 76 Resp: 2150

Ion Ratio Lower Upper

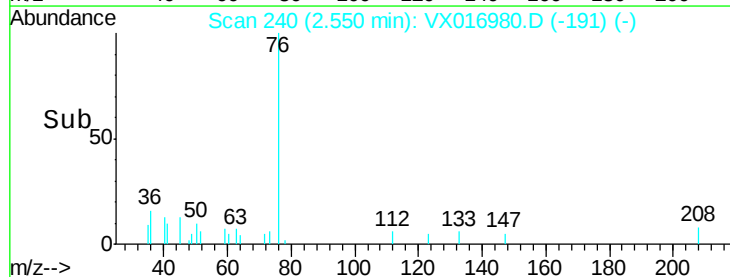
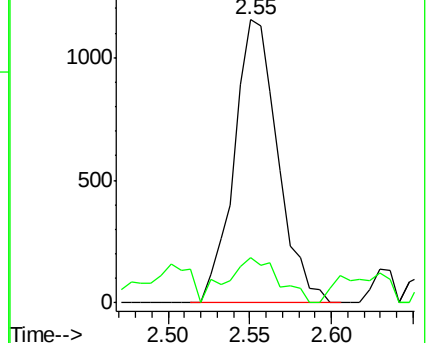
76 100

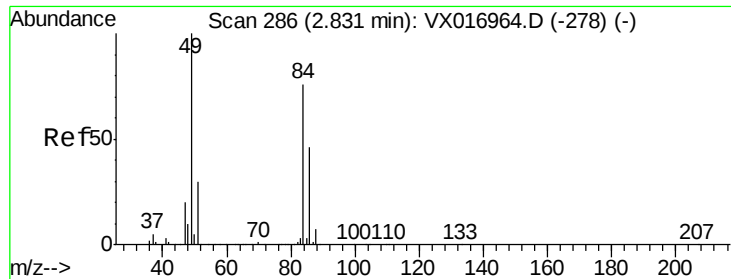
78 6.2 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

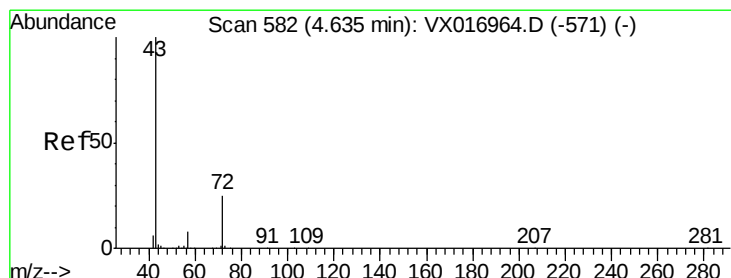
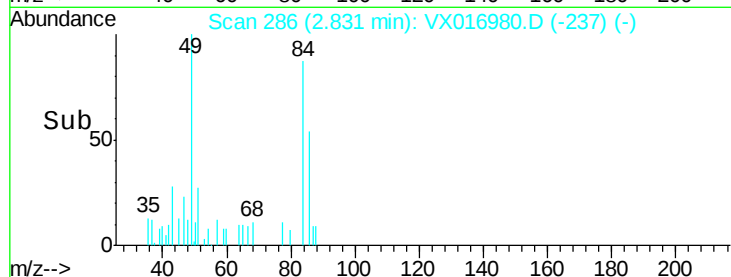
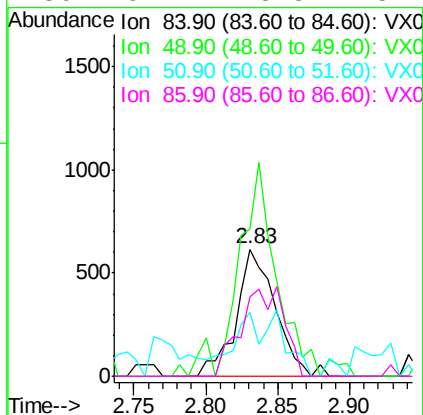
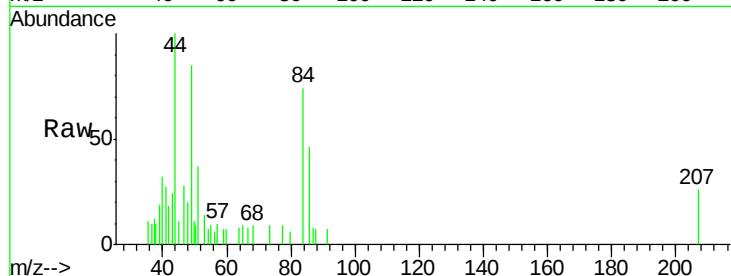




#20  
Methylene Chloride  
Concen: 0.397 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

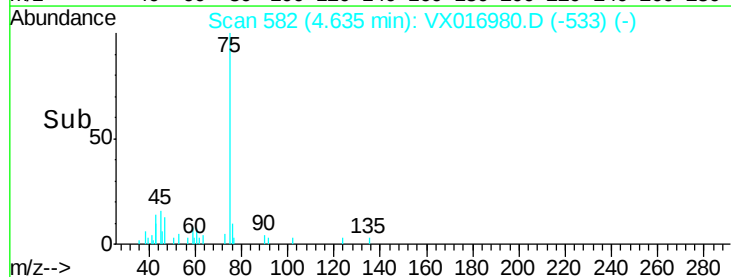
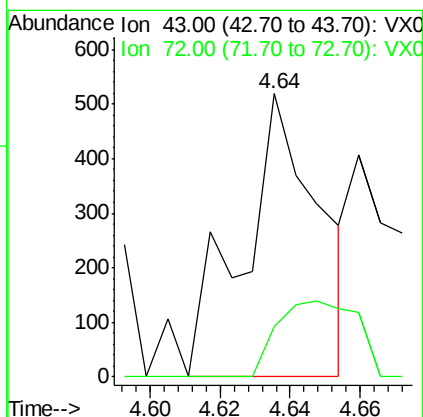
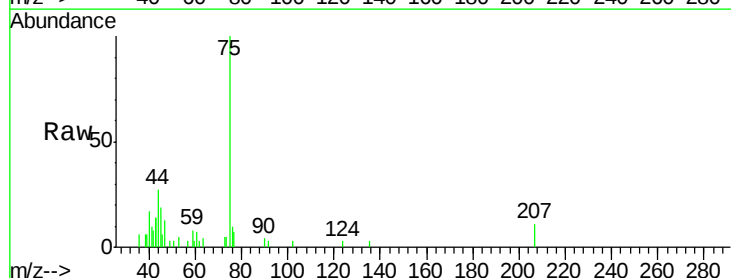
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-1

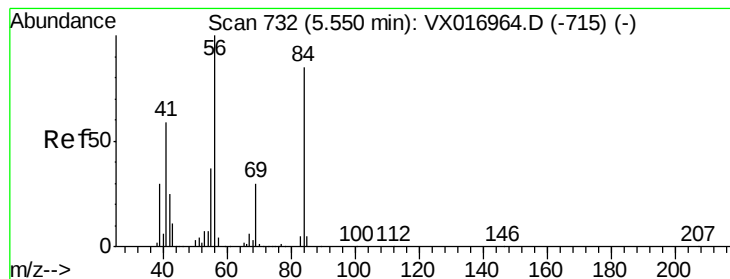
Tot Ion: 84 Resp: 1164  
Ion Ratio Lower Upper  
84 100  
49 115.6 105.6 158.4  
51 40.8 31.2 46.8  
86 62.2 48.8 73.2



#25  
2-Butanone  
Concen: 0.396 ug/l  
RT: 4.64 min Scan# 582  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Tgt Ion: 43 Resp: 778  
Ion Ratio Lower Upper  
43 100  
72 17.7 20.0 30.0#





#31

Cyclohexane

Concen: 0.439 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampleId :

MW-1

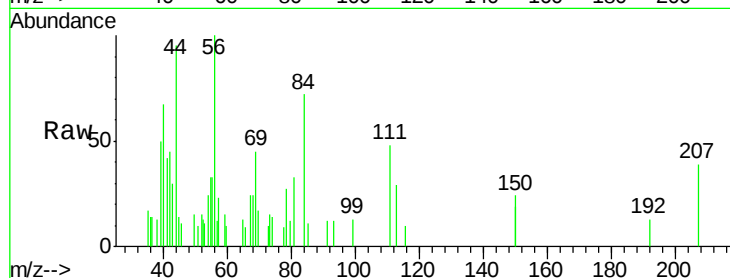
Tot Ion: 56 Resp: 1818

Ion Ratio Lower Upper

56 100

69 61.9 23.6 35.4#

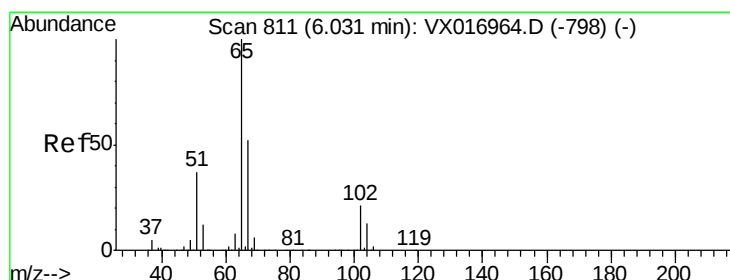
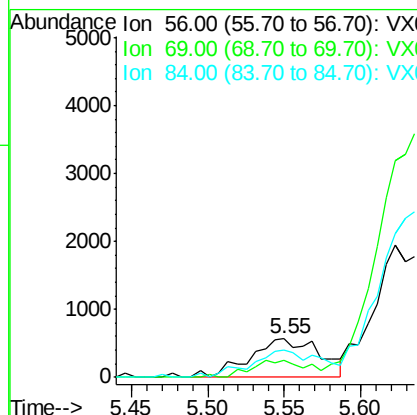
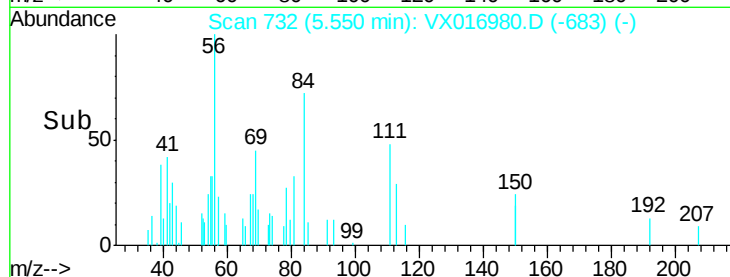
84 71.9 67.8 101.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.433 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016980.D

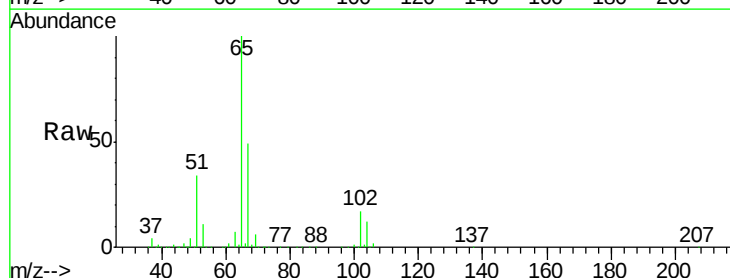
Acq: 26 Jun 2020 13:58

Tgt Ion: 65 Resp: 179431

Ion Ratio Lower Upper

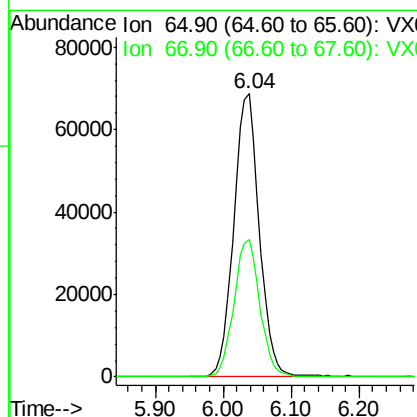
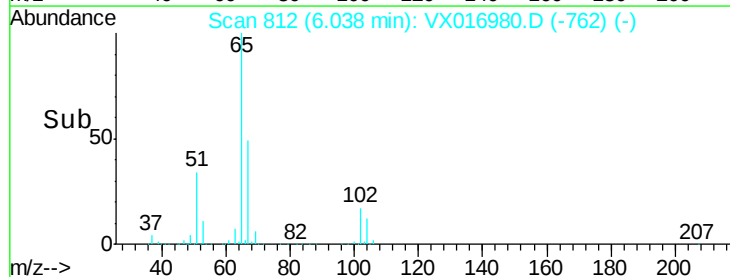
65 100

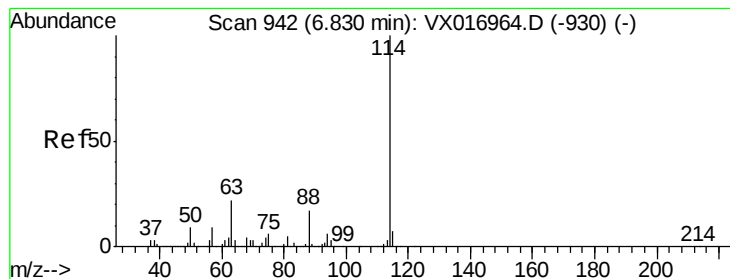
67 49.1 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampleId :

MW-1

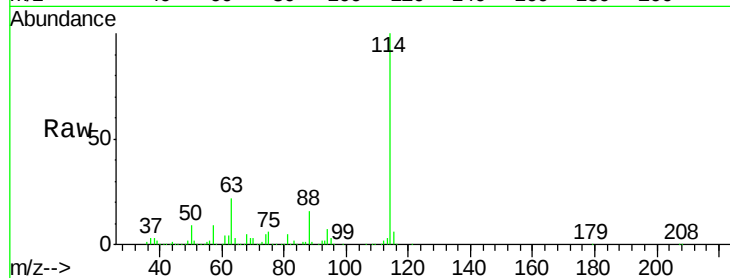
Tot Ion:114 Resp: 396025

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.4

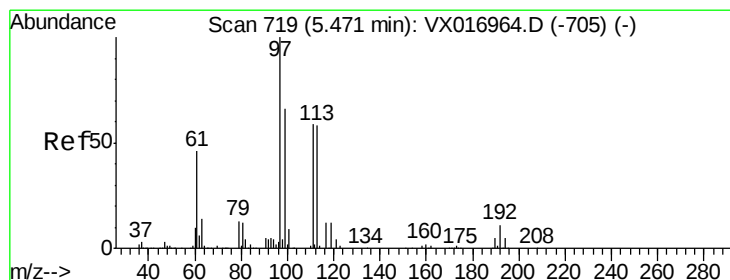
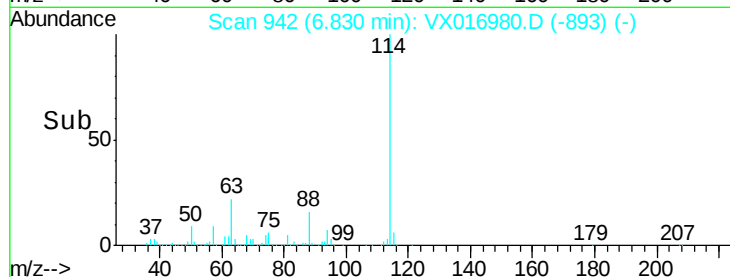
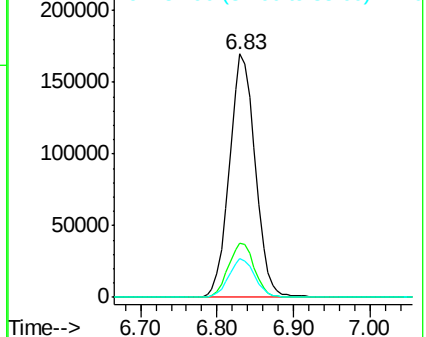
88 16.2 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.717 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

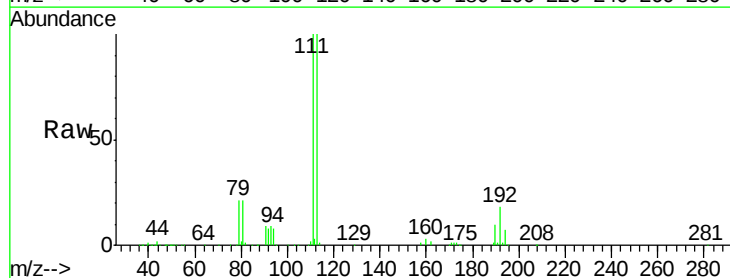
Tgt Ion:113 Resp: 132659

Ion Ratio Lower Upper

113 100

111 102.0 84.3 126.5

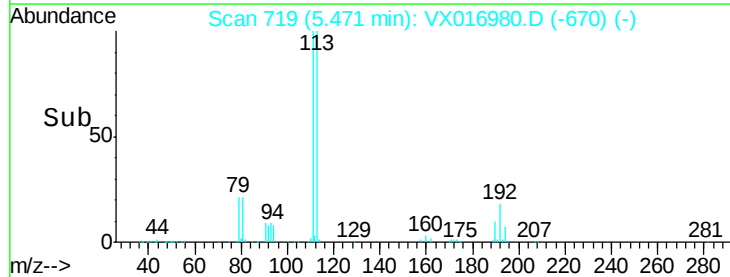
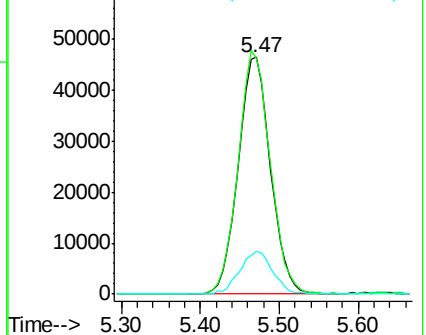
192 18.6 15.2 22.8

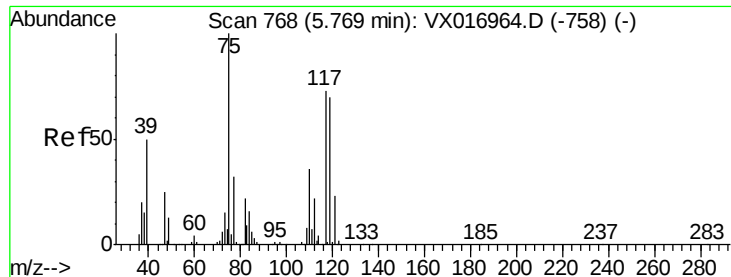


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.235 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampleId :

MW-1

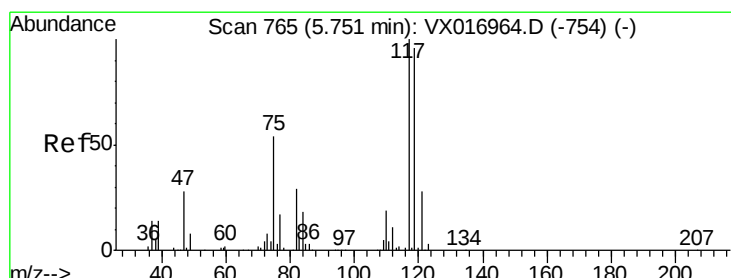
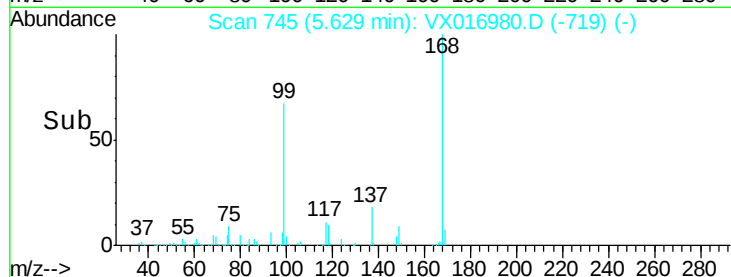
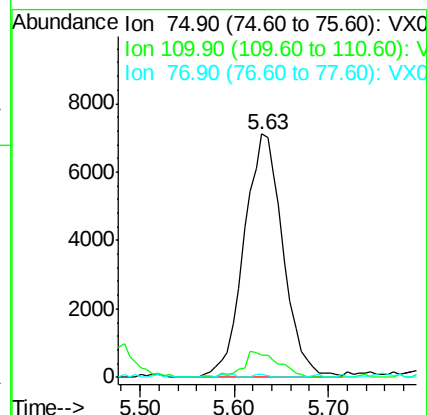
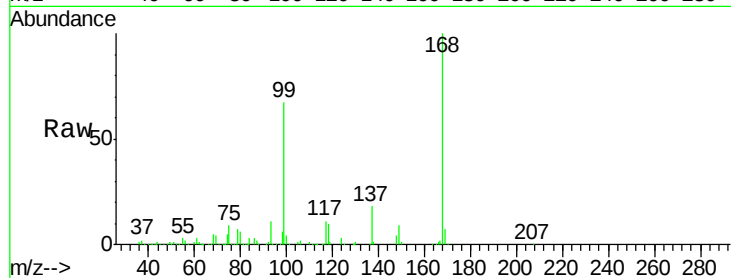
Tot Ion: 75 Resp: 20529

Ion Ratio Lower Upper

75 100

110 9.6 17.2 51.6#

77 0.4 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.896 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

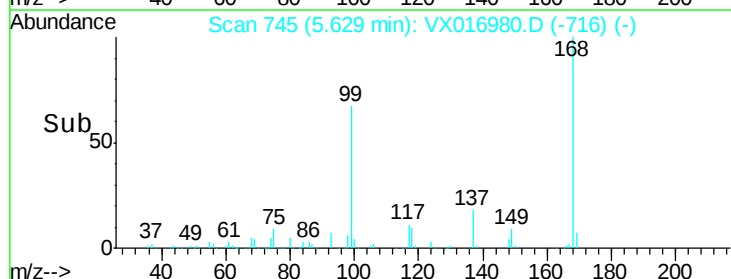
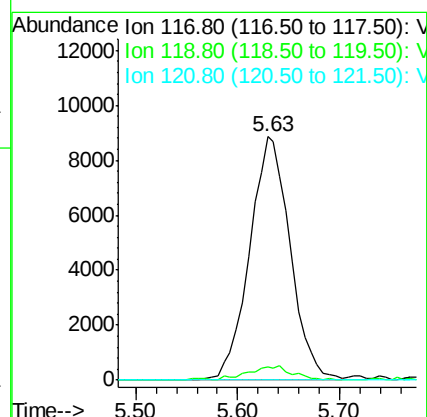
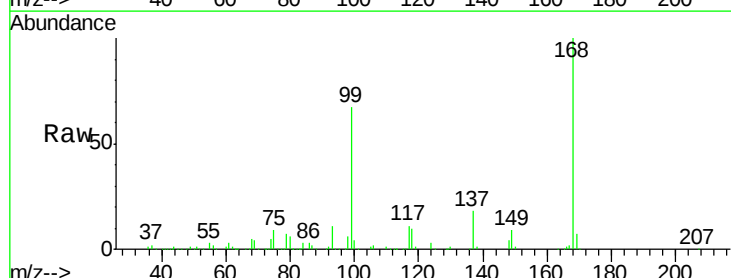
Tgt Ion: 117 Resp: 24469

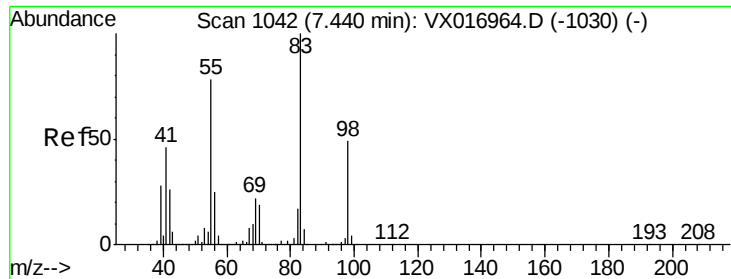
Ion Ratio Lower Upper

117 100

119 5.3 76.6 114.8#

121 0.0 22.5 33.7#

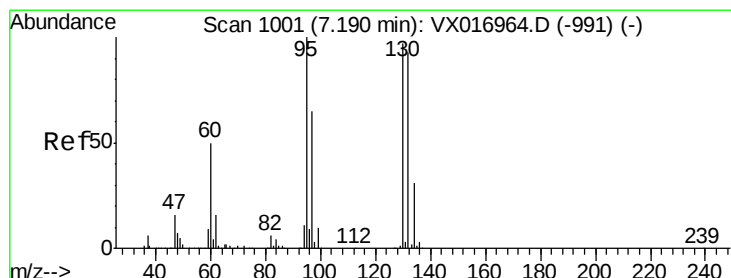
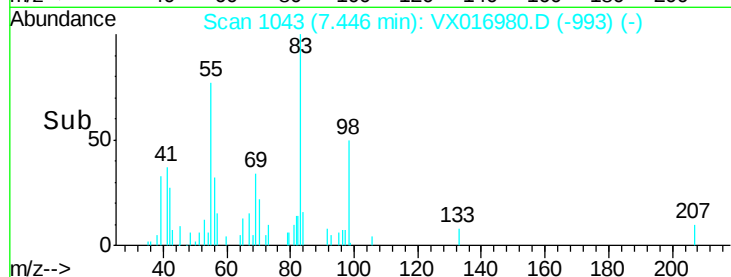
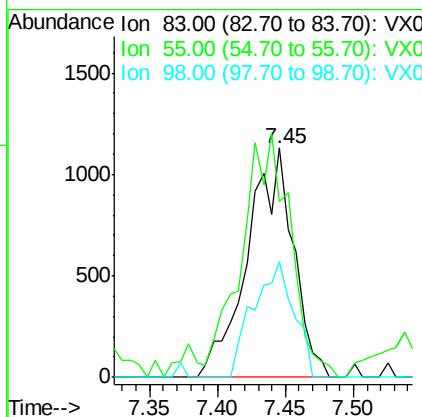
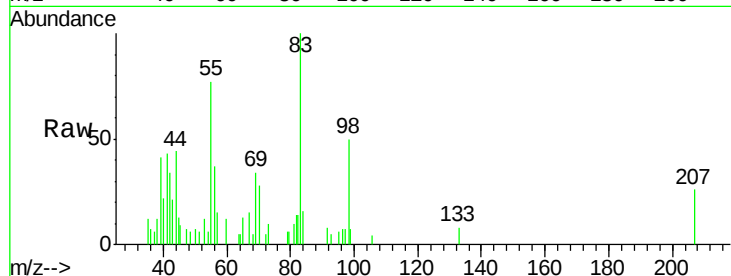




#39  
Methvlcvclohexane  
Concen: 0.628 ug/l  
RT: 7.45 min Scan# 1043  
Delta R.T. 0.01 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

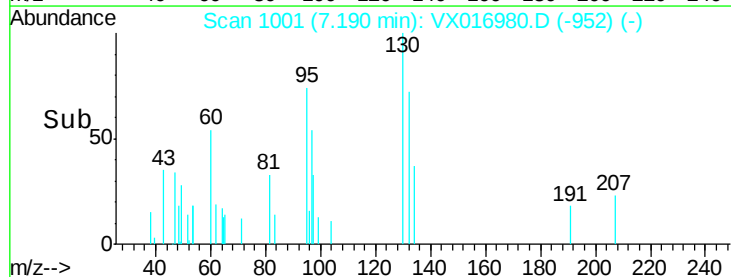
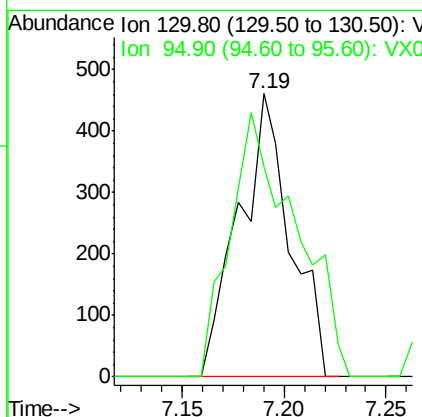
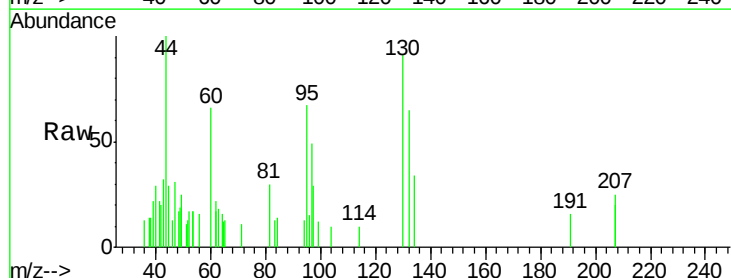
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1

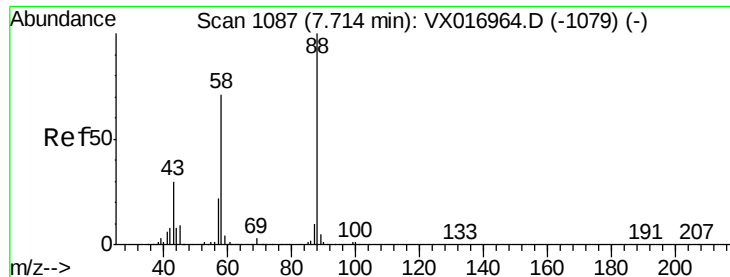
Tot Ion: 83 Resp: 2664  
Ion Ratio Lower Upper  
83 100  
55 76.7 62.4 93.6  
98 50.4 39.4 59.0



#44  
Trichloroethene  
Concen: 0.269 ug/l  
RT: 7.19 min Scan# 1001  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Tgt Ion:130 Resp: 808  
Ion Ratio Lower Upper  
130 100  
95 74.4 0.0 206.6





#49

1,4-Dioxane

Concen: 0.770 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampled :

MW-1

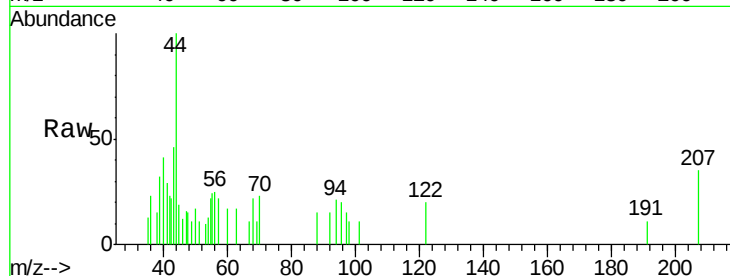
Tot Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 118.9 28.1 42.1#

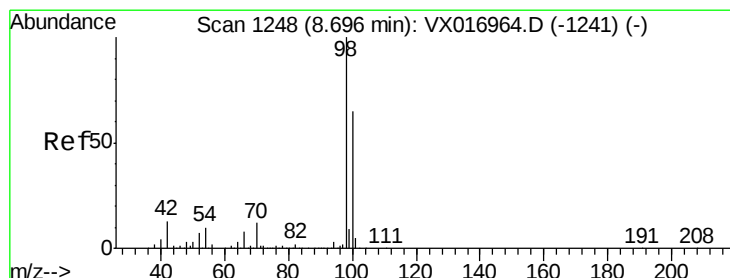
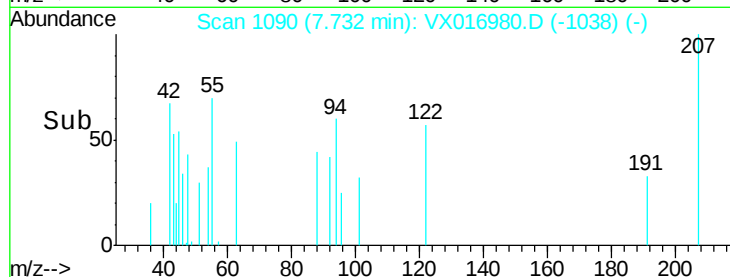
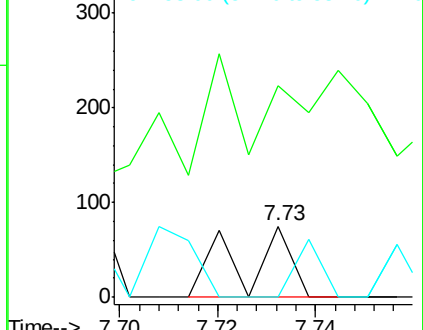
58 41.5 56.1 84.1#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.253 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016980.D

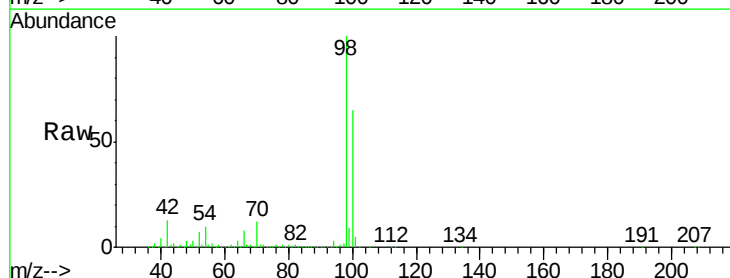
Acq: 26 Jun 2020 13:58

Tgt Ion: 98 Resp: 500996

Ion Ratio Lower Upper

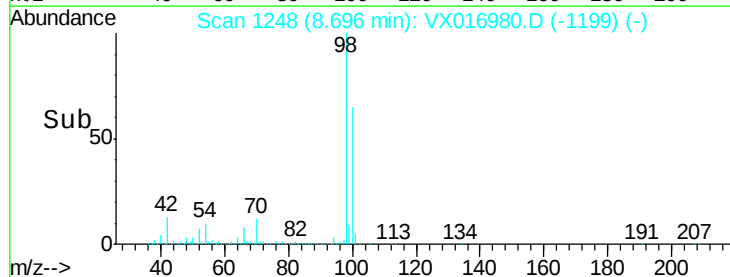
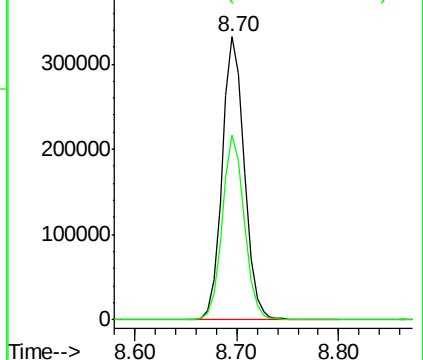
98 100

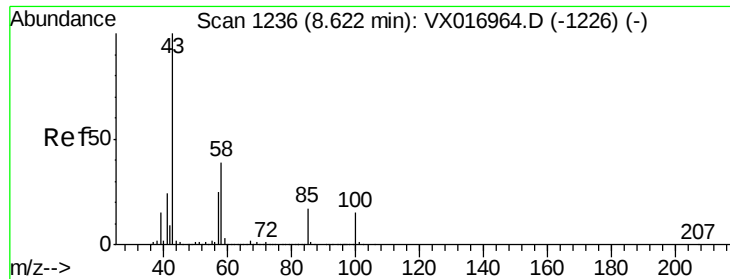
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.247 ug/l

RT: 8.64 min Scan# 1239

Delta R.T. 0.02 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampled :

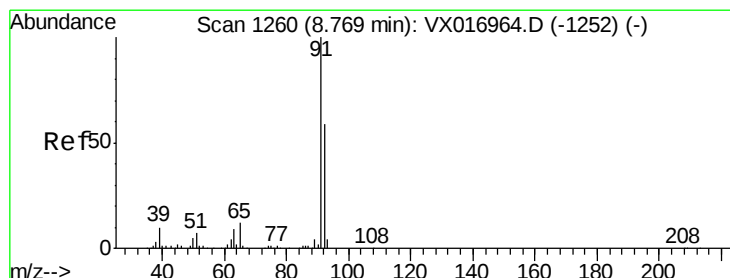
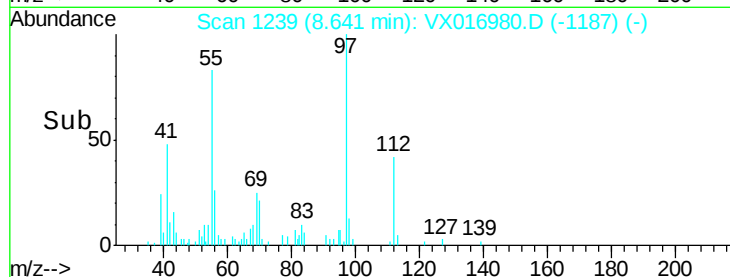
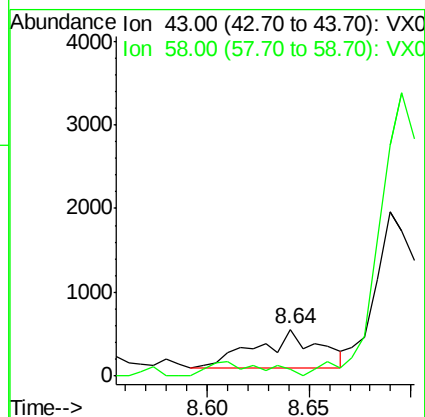
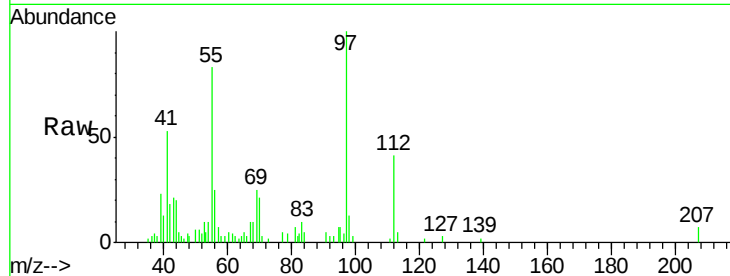
MW-1

Tot Ion: 43 Resp: 1002

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#52

Toluene

Concen: 0.254 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016980.D

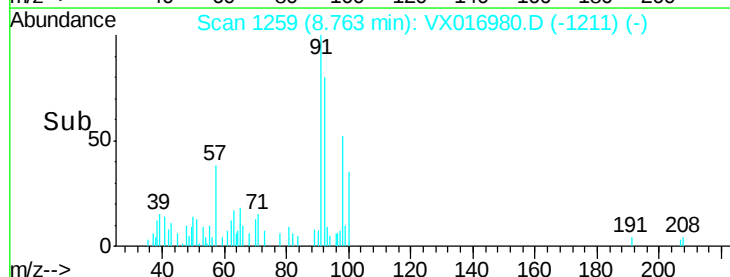
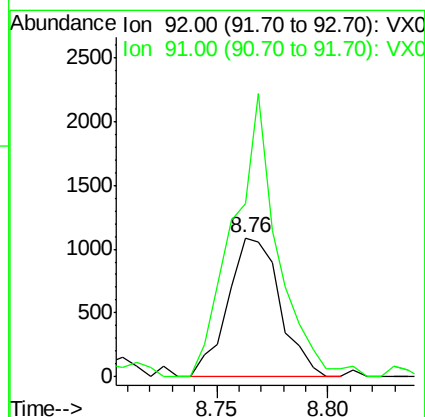
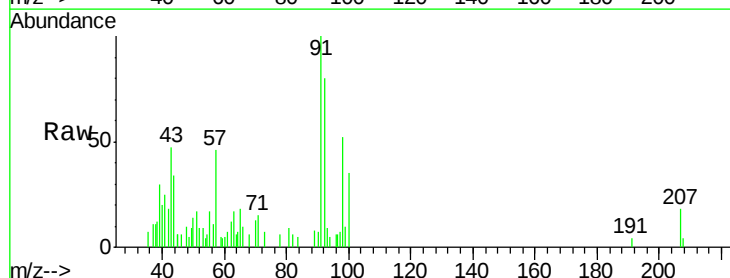
Acq: 26 Jun 2020 13:58

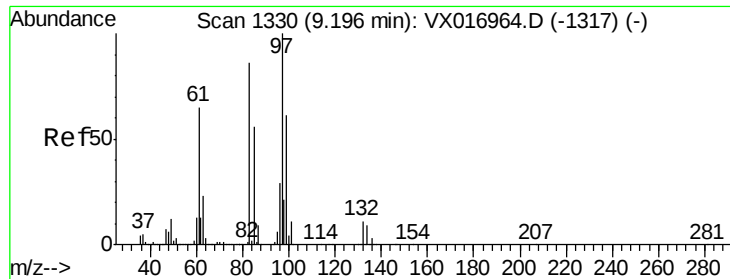
Tgt Ion: 92 Resp: 1770

Ion Ratio Lower Upper

92 100

91 174.9 136.7 205.1

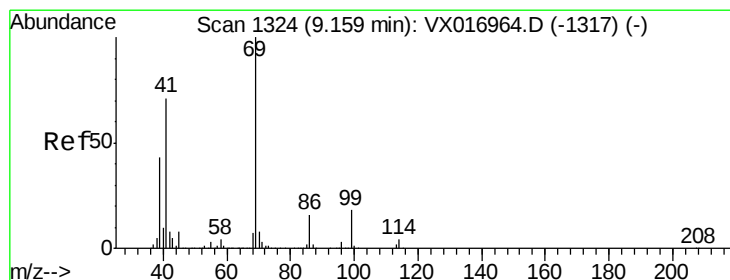
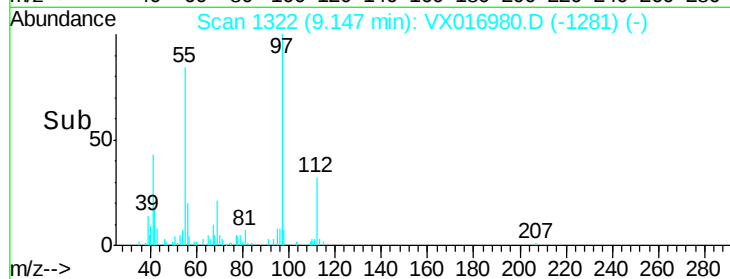
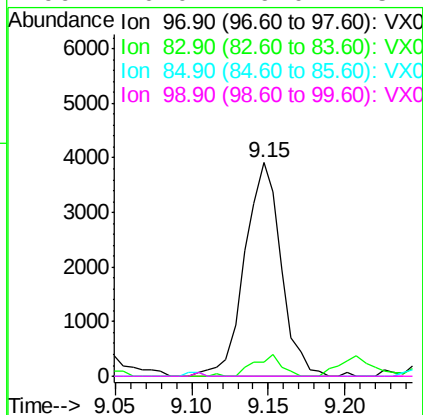
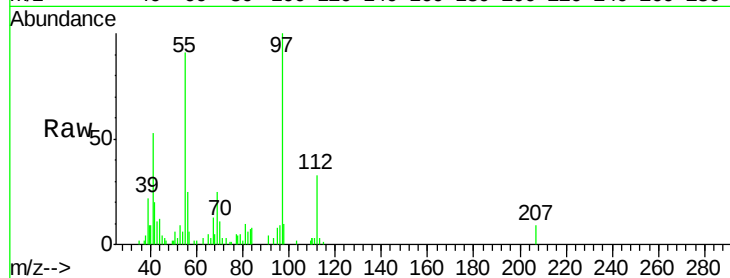




#55  
 1,1,2-Trichloroethane  
 Concen: 2.258 ug/l  
 RT: 9.15 min Scan# 1322  
 Delta R.T. -0.05 min  
 Lab File: VX016980.D  
 Acq: 26 Jun 2020 13:58

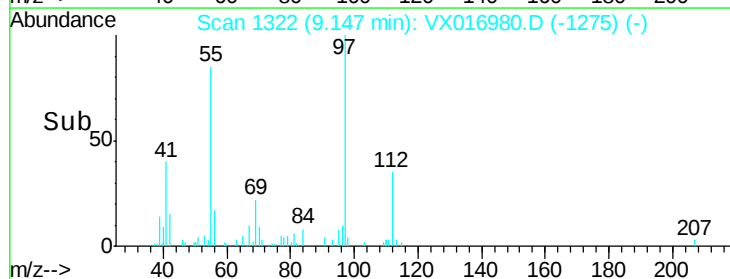
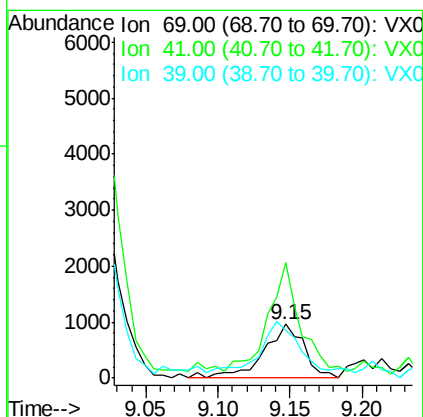
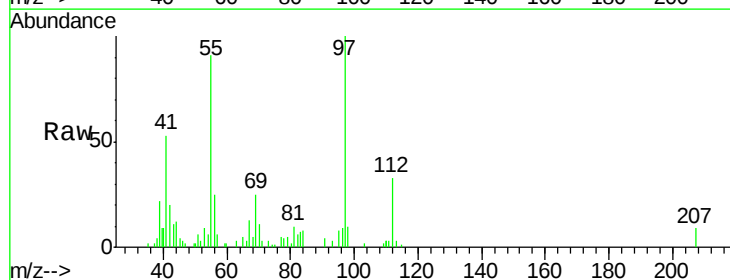
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1

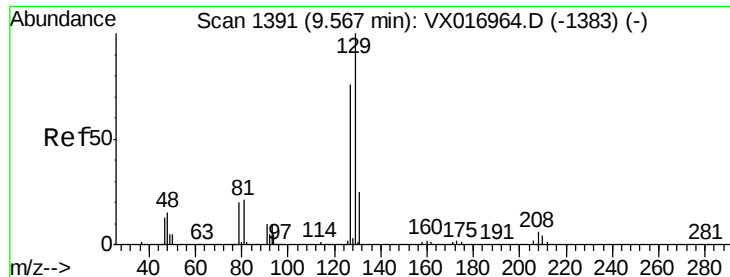
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 6457   |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 6.8   | 68.6  | 103.0# |
| 85       | 0.0   | 44.5  | 66.7#  |
| 99       | 0.0   | 49.0  | 73.4#  |



#56  
 Ethyl methacrylate  
 Concen: 0.443 ug/l  
 RT: 9.15 min Scan# 1322  
 Delta R.T. -0.01 min  
 Lab File: VX016980.D  
 Acq: 26 Jun 2020 13:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 1899  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 154.2 | 55.9  | 83.9# |
| 39       | 90.0  | 34.6  | 51.8# |





#60

Dibromochloromethane

Concen: 0.244 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampleId :

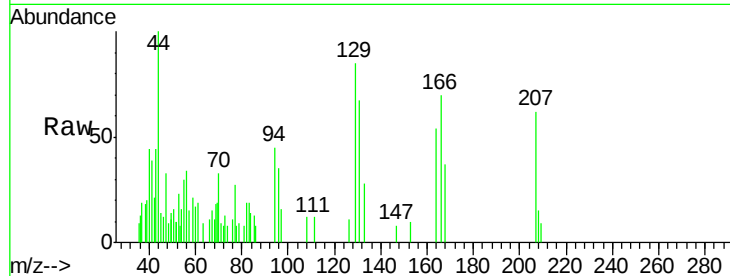
MW-1

Tot Ion:129 Resp: 797

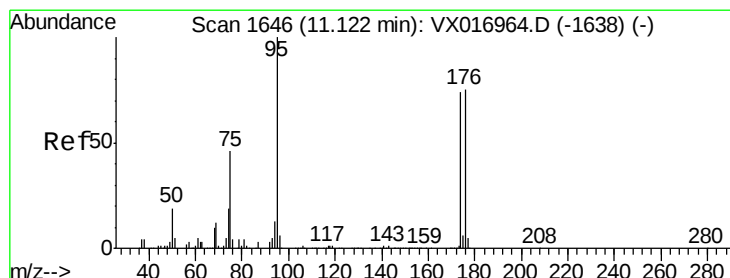
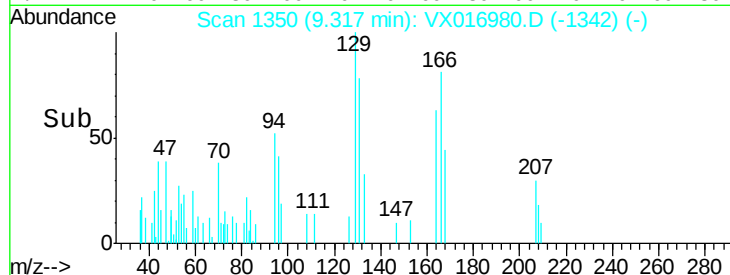
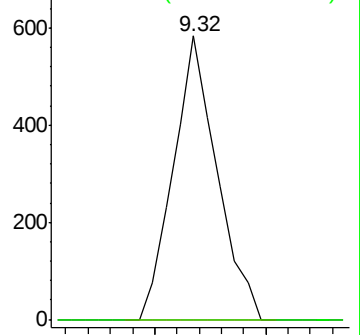
Ion Ratio Lower Upper

129 100

127 0.0 38.0 114.0#



Abundance Ion 128.80 (128.50 to 129.50): V



#62

4-Bromofluorobenzene

Concen: 61.482 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

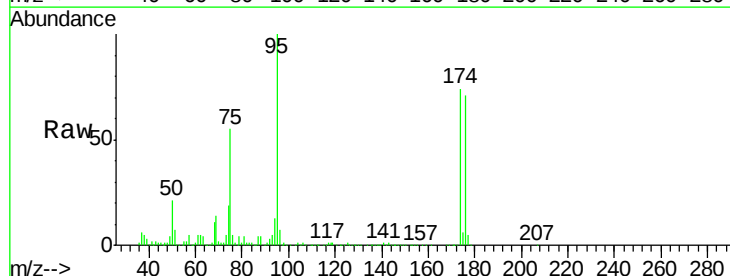
Tgt Ion: 95 Resp: 227946

Ion Ratio Lower Upper

95 100

174 72.3 0.0 149.6

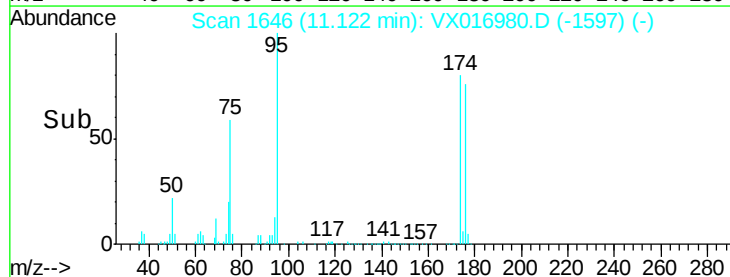
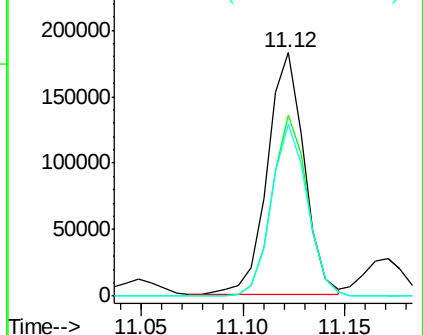
176 69.7 0.0 148.2

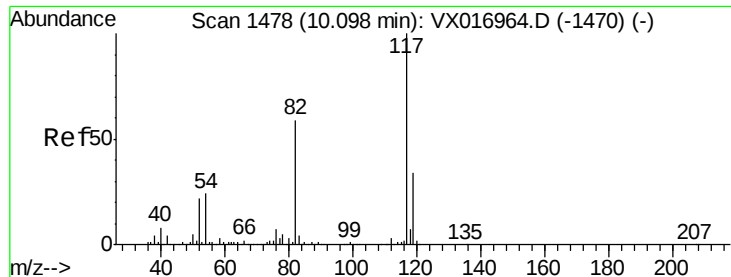


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

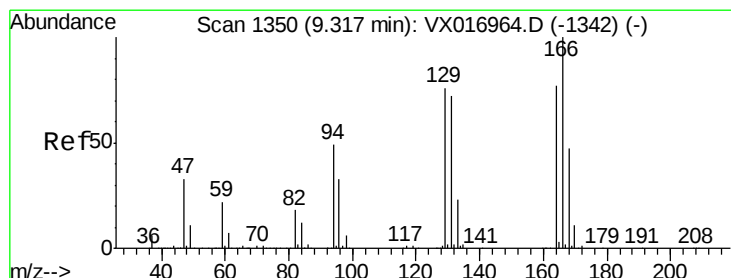
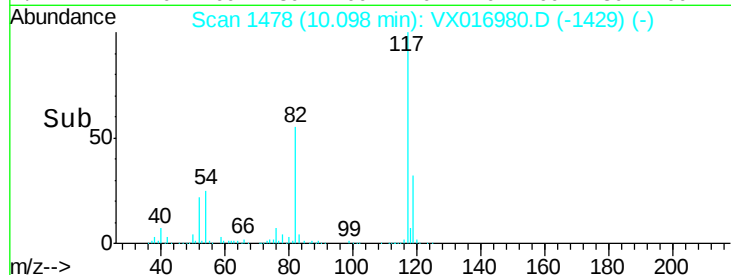
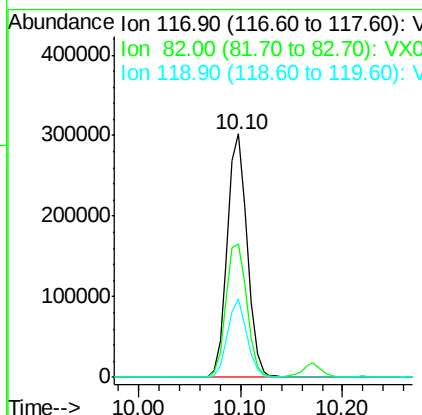
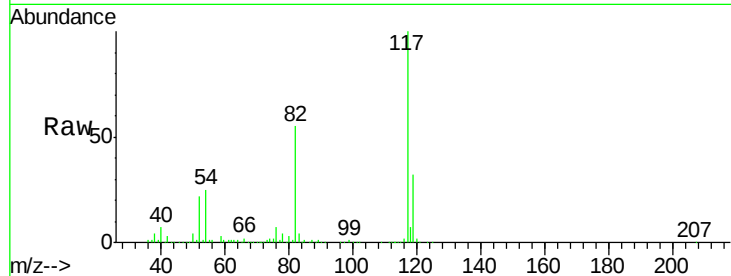




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

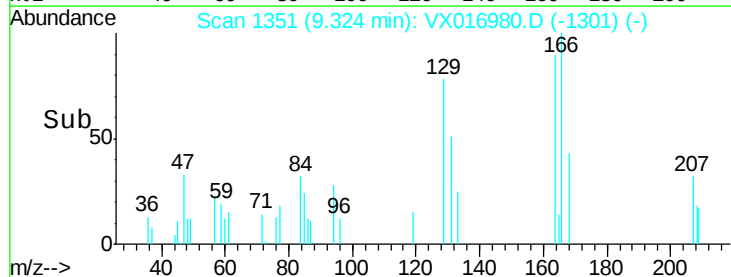
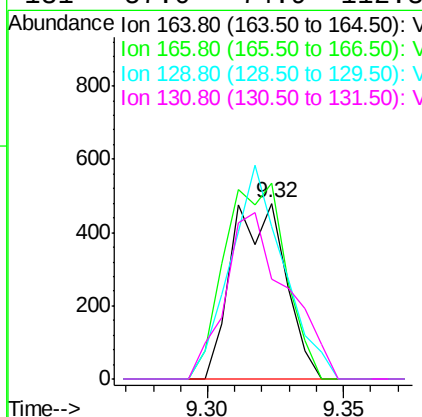
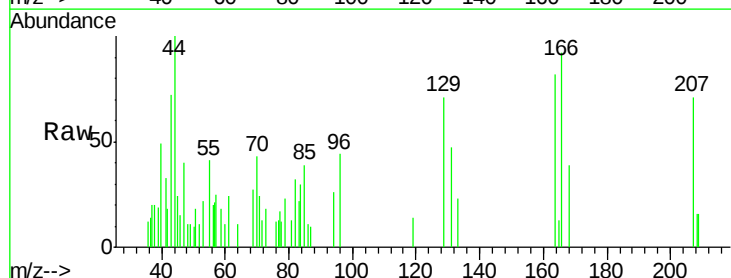
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-1

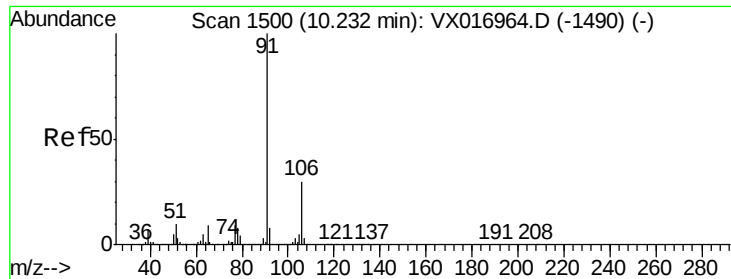
Tot Ion:117 Resp: 405373  
Ion Ratio Lower Upper  
117 100  
82 54.6 46.8 70.2  
119 32.0 27.3 40.9



#64  
Tetrachloroethene  
Concen: 0.241 ug/l  
RT: 9.32 min Scan# 1351  
Delta R.T. 0.01 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Tgt Ion:164 Resp: 660  
Ion Ratio Lower Upper  
164 100  
166 111.5 104.2 156.4  
129 86.6 79.3 118.9  
131 57.0 74.9 112.3#

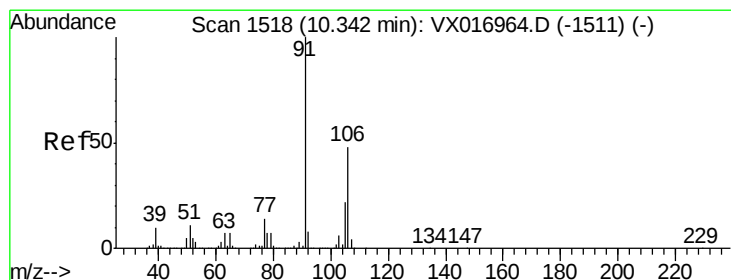
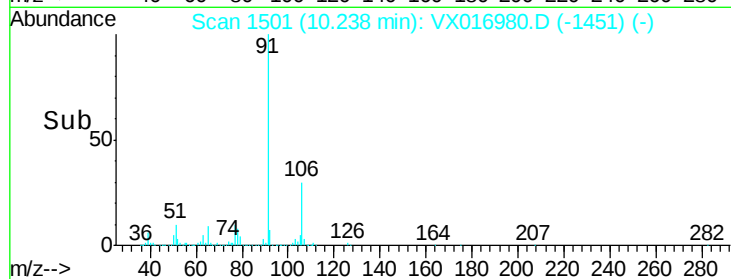
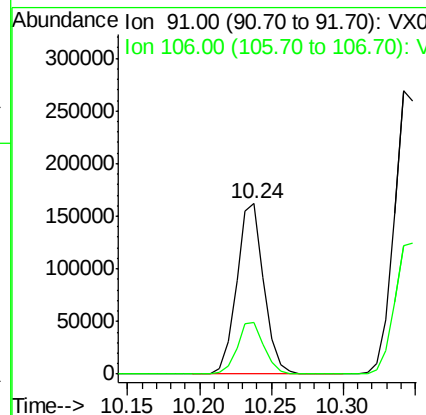
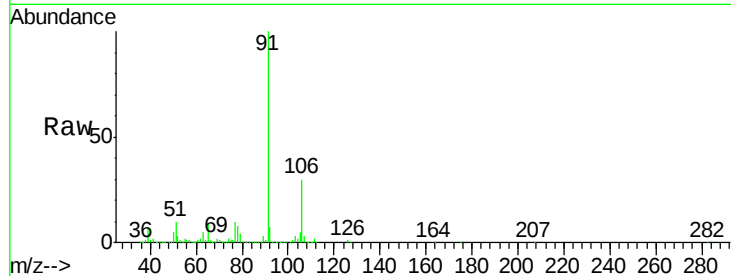




#67  
Ethyl Benzene  
Concen: 14.622 ug/l  
RT: 10.24 min Scan# 1501  
Delta R.T. 0.01 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

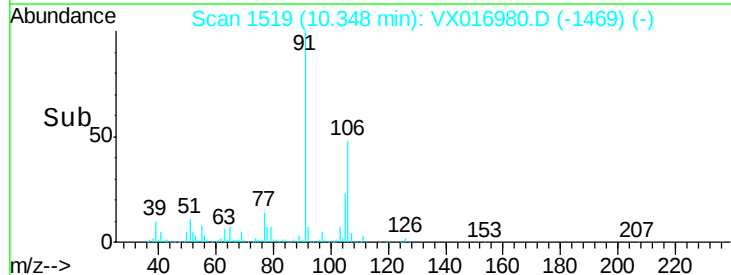
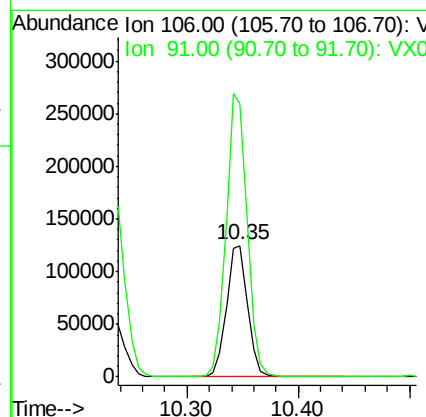
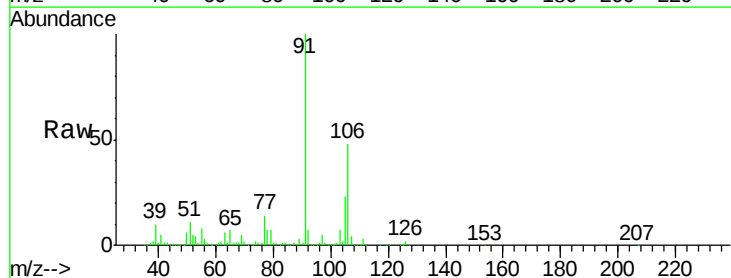
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-1

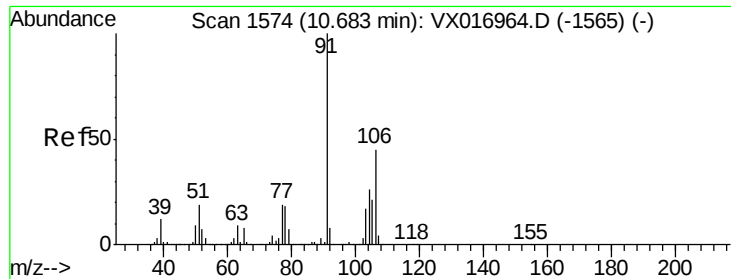
Tot Ion: 91 Resp: 212777  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.1 36.1



#68  
m/p-Xylenes  
Concen: 30.324 ug/l  
RT: 10.35 min Scan# 1519  
Delta R.T. 0.01 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Tgt Ion: 106 Resp: 163941  
Ion Ratio Lower Upper  
106 100  
91 213.7 164.1 246.1

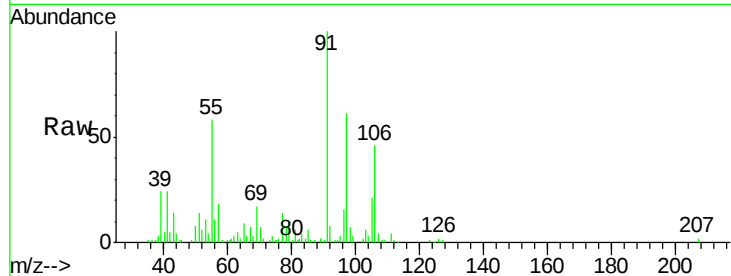




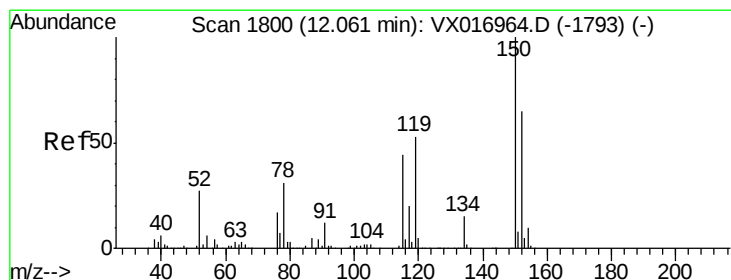
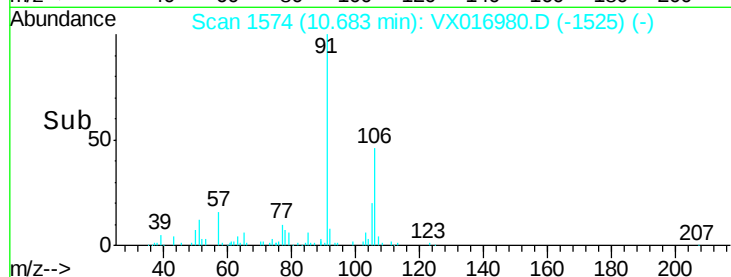
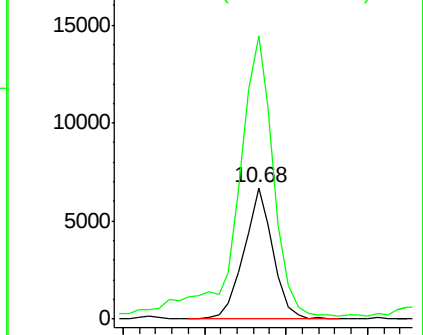
#69  
o-Xylene  
Concen: 1.596 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-1

Tot Ion:106 Resp: 8233  
Ion Ratio Lower Upper  
106 100  
91 272.0 109.1 327.2

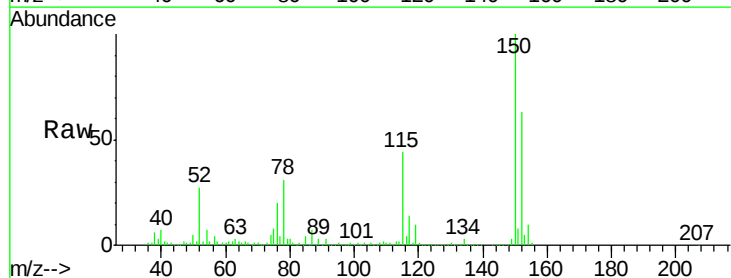


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

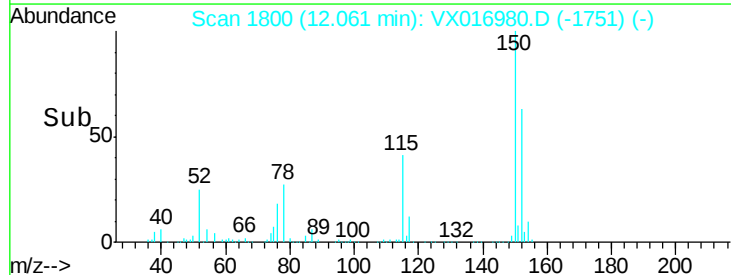
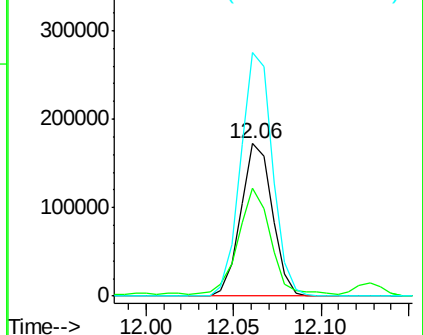


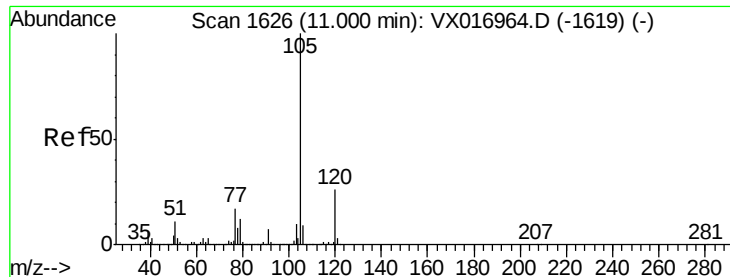
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Tgt Ion:152 Resp: 215400  
Ion Ratio Lower Upper  
152 100  
115 70.6 42.8 128.4  
150 161.3 0.0 347.8



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





#73

Isopropylbenzene

Concen: 214.734 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampled :

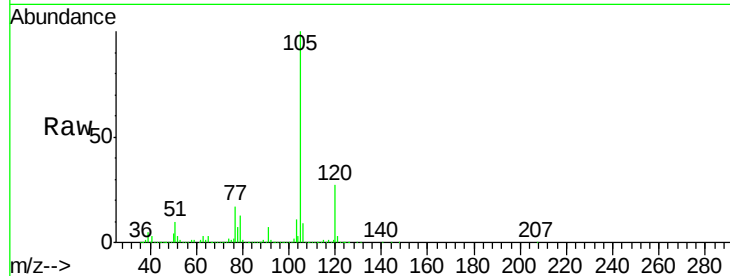
MW-1

Tot Ion:105 Resp: 3184687

Ion Ratio Lower Upper

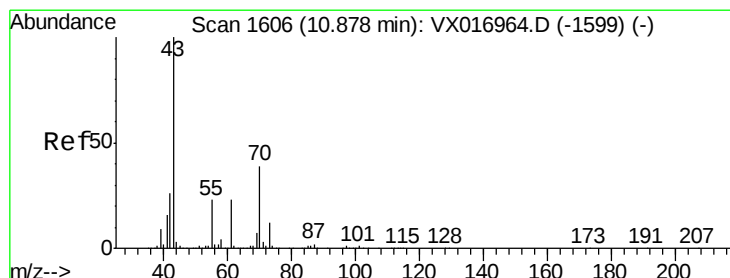
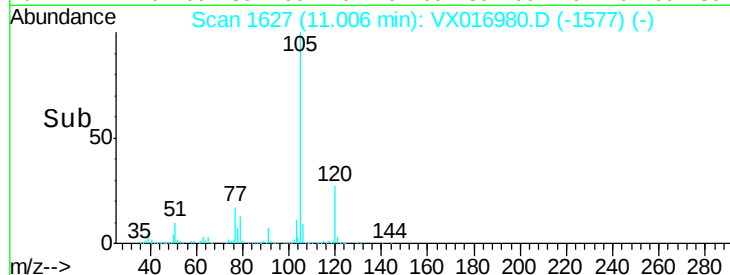
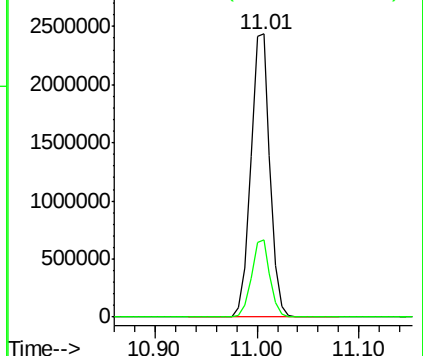
105 100

120 26.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.552 ug/l

RT: 10.90 min Scan# 1609

Delta R.T. 0.02 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Tgt Ion: 43 Resp: 17850

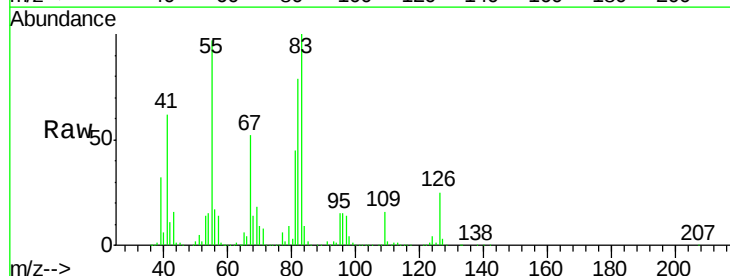
Ion Ratio Lower Upper

43 100

70 102.5 32.1 48.1#

55 614.6 18.6 28.0#

61 0.0 18.8 28.2#

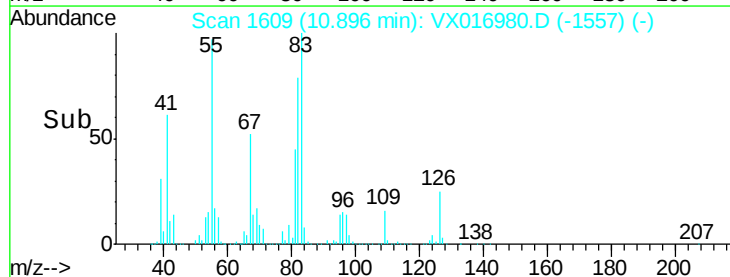
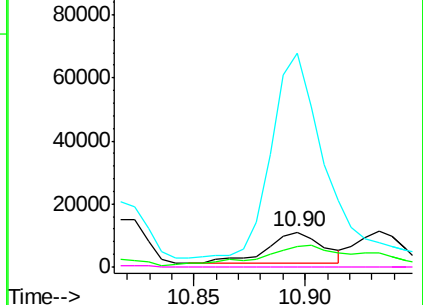


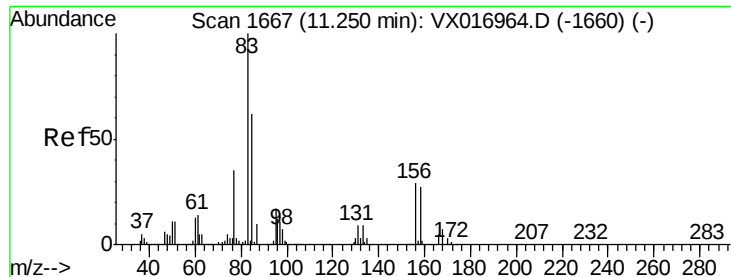
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 3.975 ug/l

RT: 11.26 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampled :

MW-1

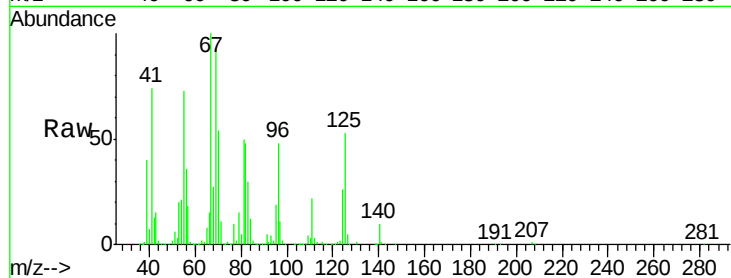
Tot Ion: 83 Resp: 19838

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

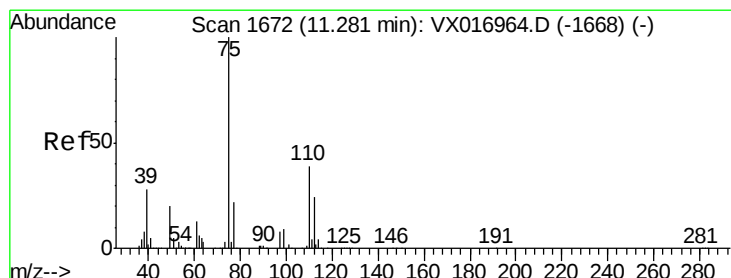
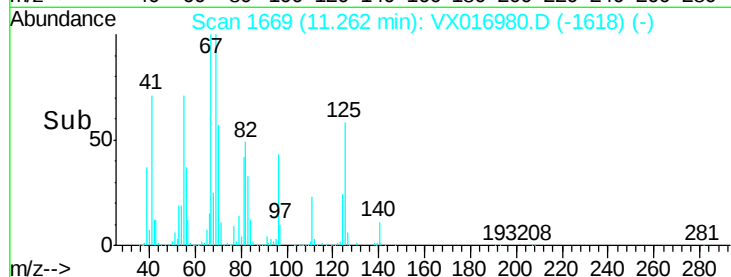
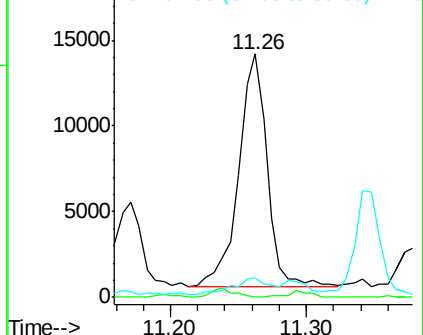
85 9.4 32.0 96.2#



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: 9.723 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.07 min

Lab File: VX016980.D

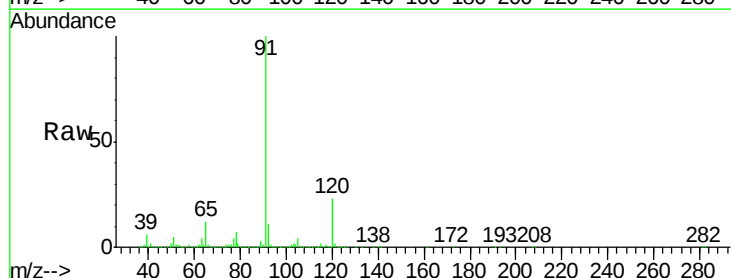
Acq: 26 Jun 2020 13:58

Tgt Ion: 75 Resp: 43951

Ion Ratio Lower Upper

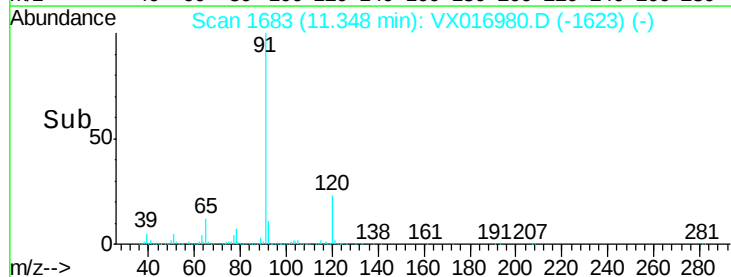
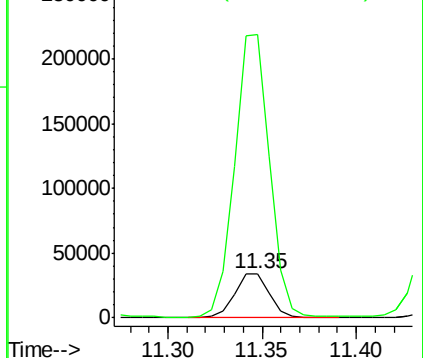
75 100

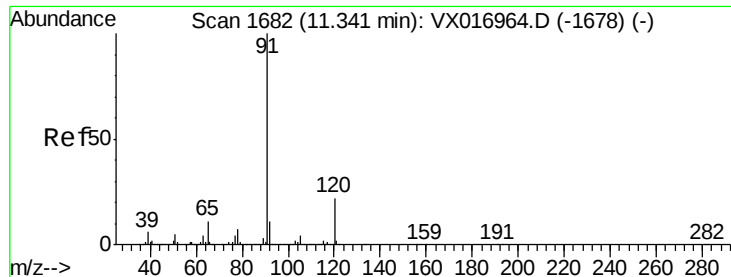
77 635.3 20.3 61.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 363.685 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampleId :

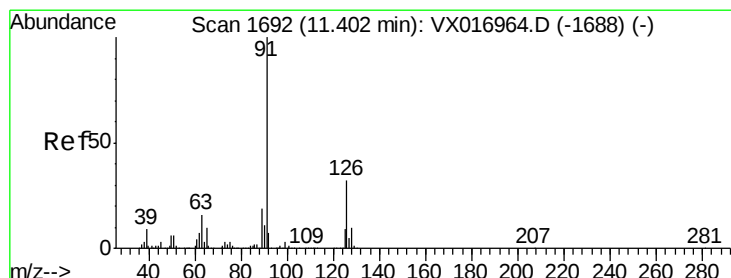
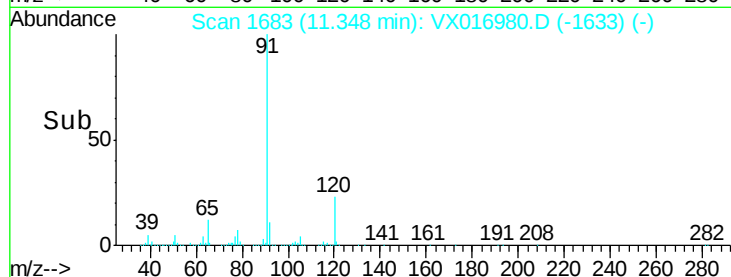
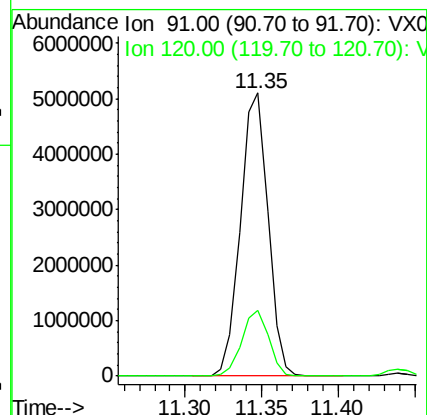
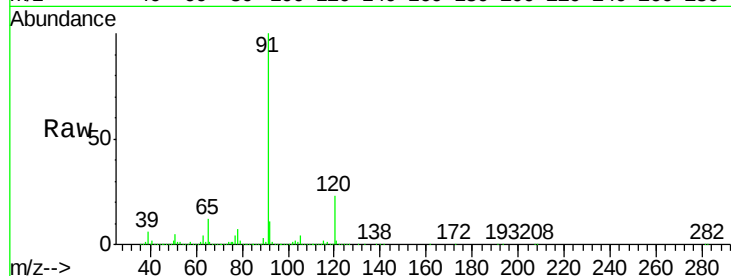
MW-1

Tot Ion: 91 Resp: 6366223

Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.8



#79

2-Chlorotoluene

Concen: 604.794 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.05 min

Lab File: VX016980.D

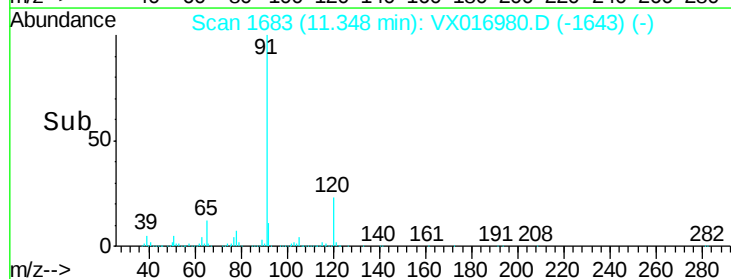
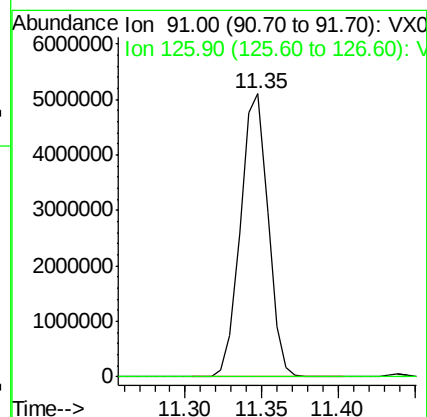
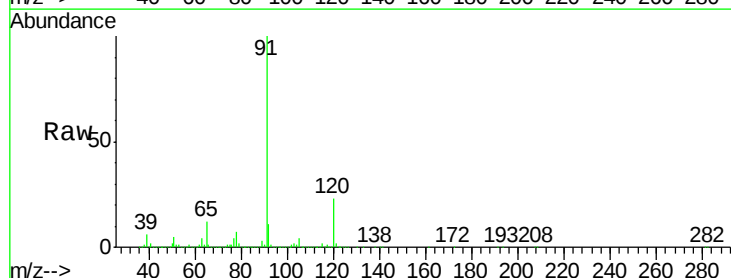
Acq: 26 Jun 2020 13:58

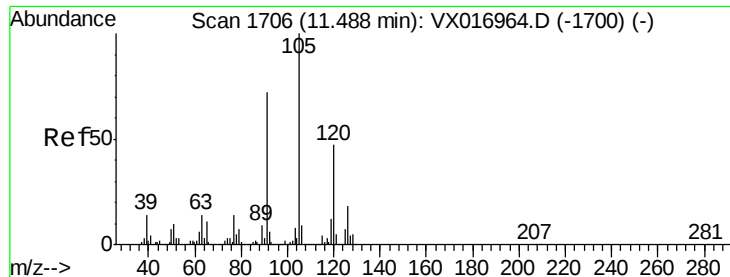
Tgt Ion: 91 Resp: 6366223

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#





#80

1,3,5-Trimethylbenzene

Concen: 44.394 ug/l

RT: 11.44 min Scan# 1698

Delta R.T. -0.05 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampleId :

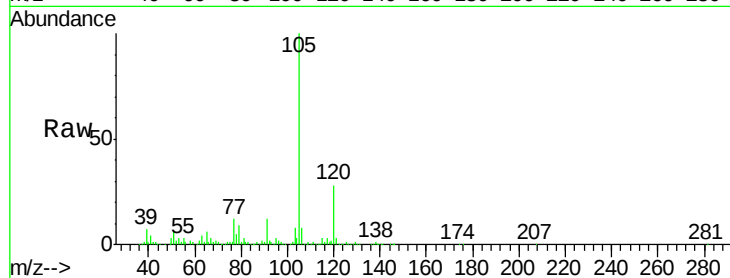
MW-1

Tot Ion:105 Resp: 547239

Ion Ratio Lower Upper

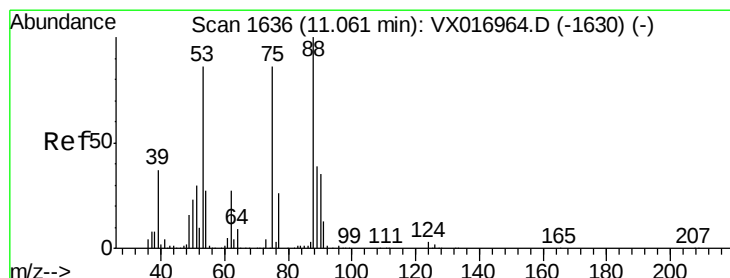
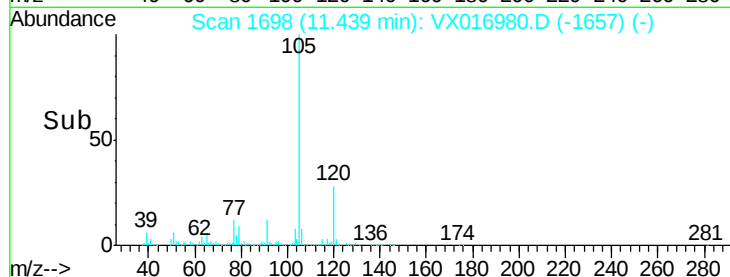
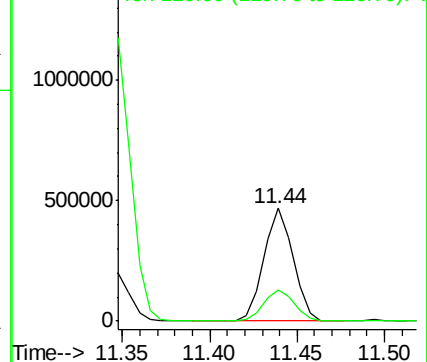
105 100

120 28.3 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 24.435 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.06 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

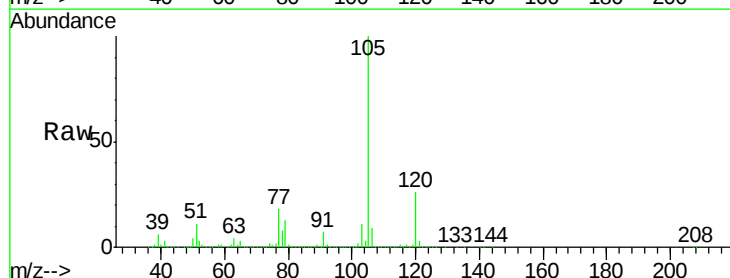
Tgt Ion: 75 Resp: 43507

Ion Ratio Lower Upper

75 100

53 100.1 81.9 122.9

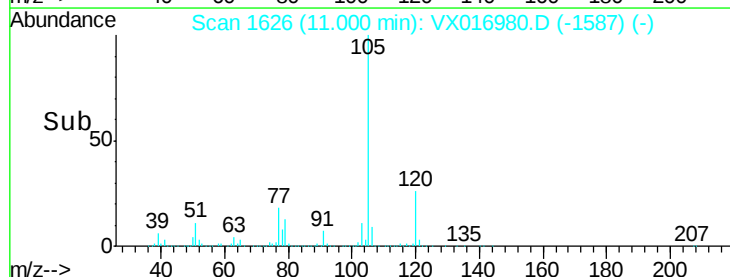
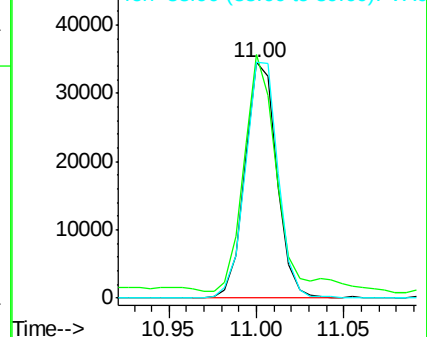
89 103.6 35.5 53.3#

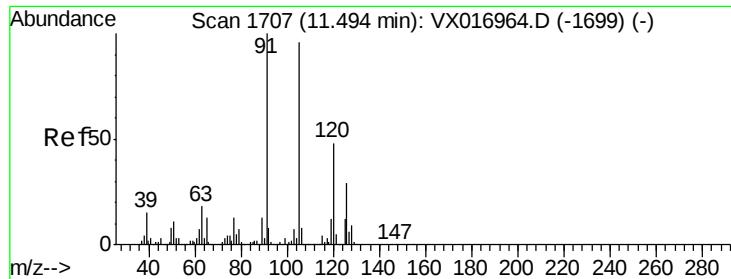


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

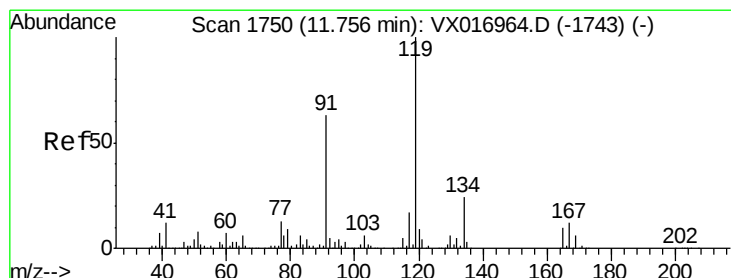
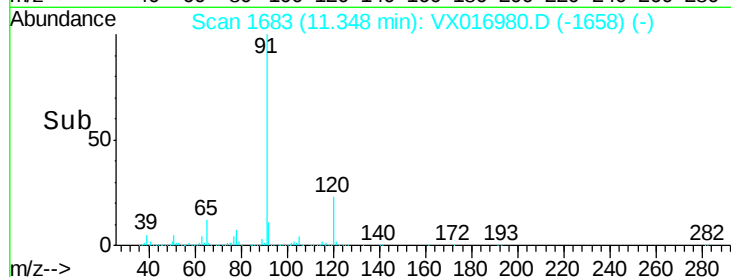
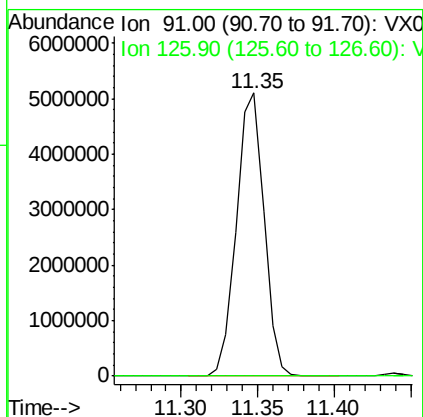
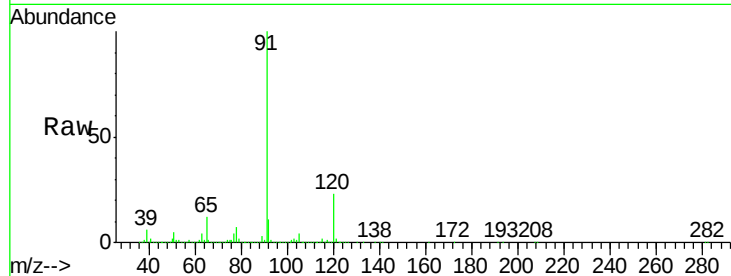




#82  
4-Chlorotoluene  
Concen: 513.866 ug/l  
RT: 11.35 min Scan# 1683  
Delta R.T. -0.15 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

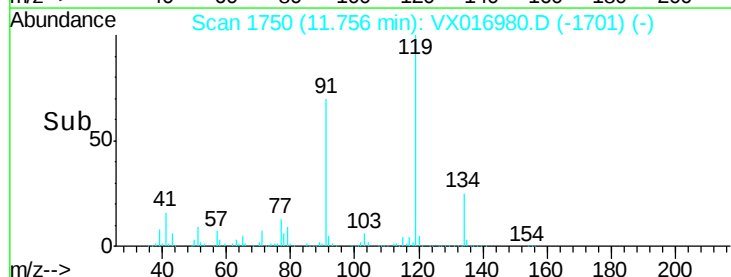
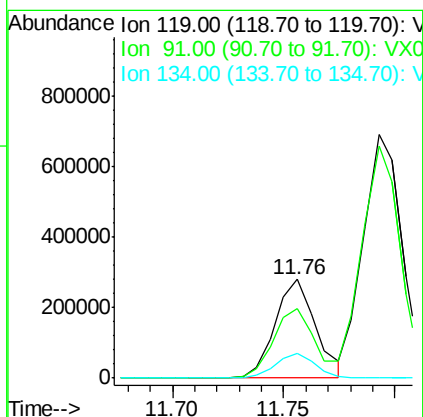
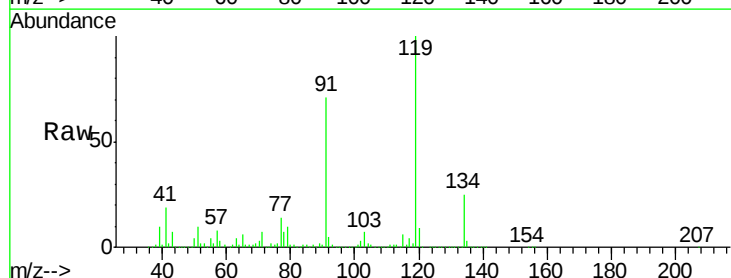
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-1

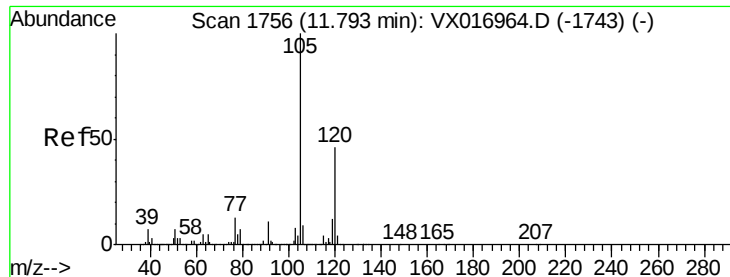
Tot Ion: 91 Resp: 6366223  
Ion Ratio Lower Upper  
91 100  
126 0.0 14.6 44.0#



#83  
tert-Butylbenzene  
Concen: 29.535 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Tgt Ion: 119 Resp: 354586  
Ion Ratio Lower Upper  
119 100  
91 73.6 30.0 90.0  
134 23.9 11.8 35.3





#84

1,2,4-Trimethylbenzene

Concen: 545.646 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampled :

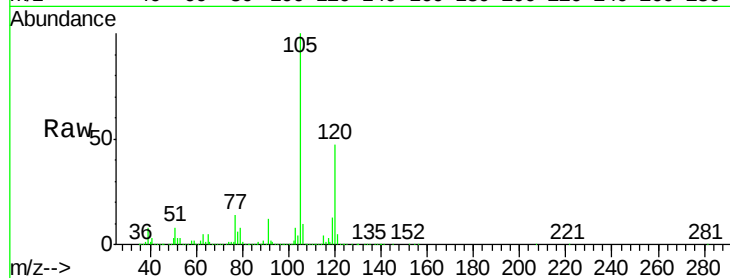
MW-1

Tot Ion:105 Resp: 6803535

Ion Ratio Lower Upper

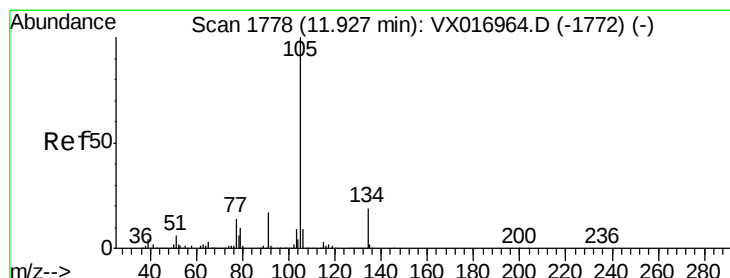
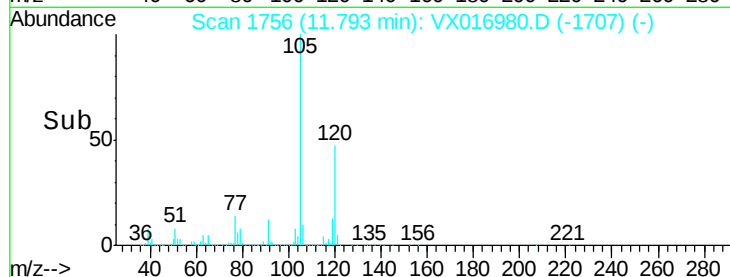
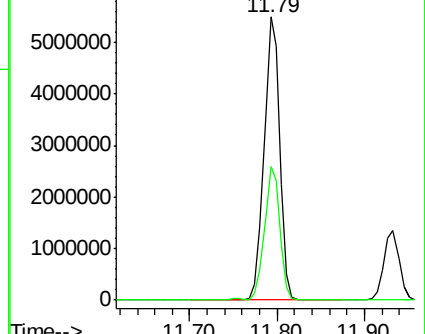
105 100

120 47.0 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 115.957 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX016980.D

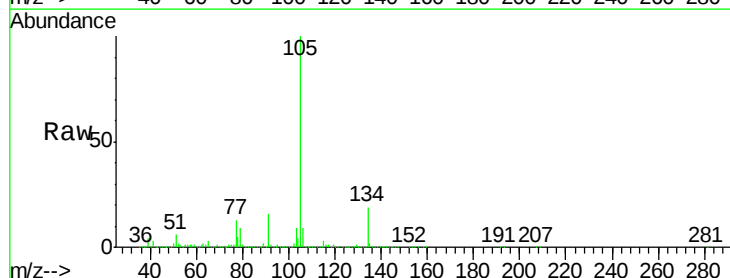
Acq: 26 Jun 2020 13:58

Tgt Ion:105 Resp: 1623146

Ion Ratio Lower Upper

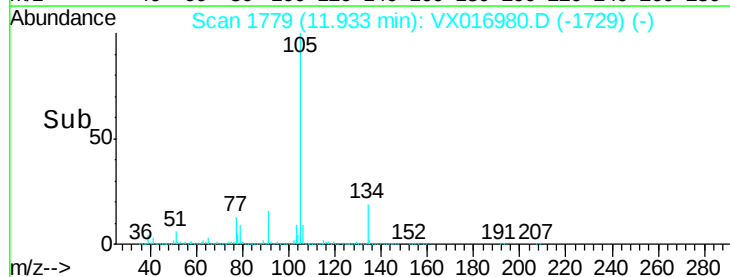
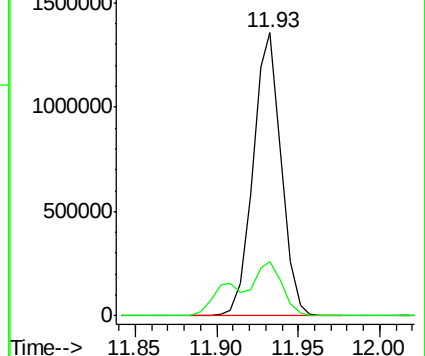
105 100

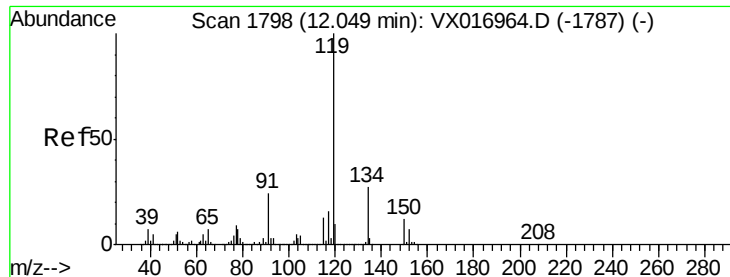
134 19.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

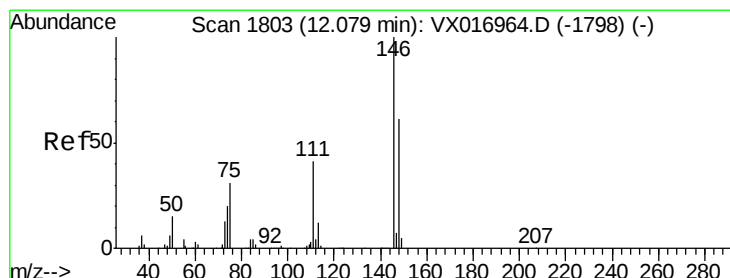
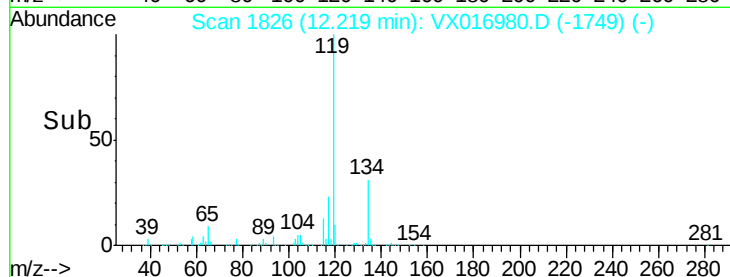
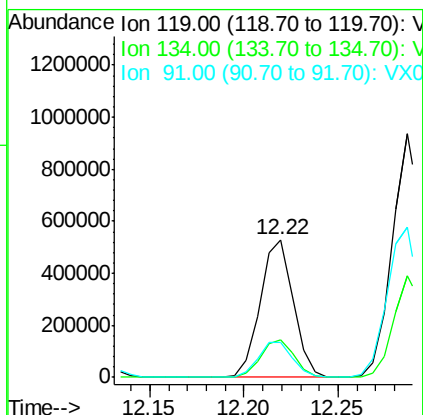
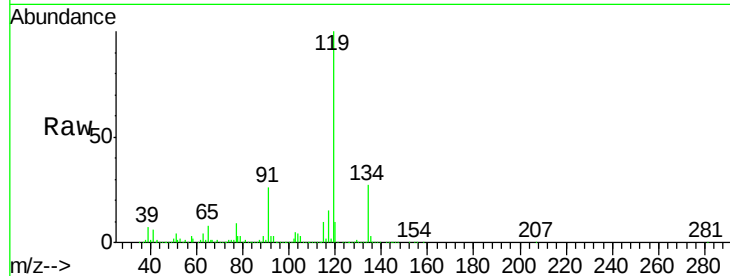




#86  
p-Isopropyltoluene  
Concen: 50.272 ug/l  
RT: 12.22 min Scan# 1826  
Delta R.T. 0.17 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

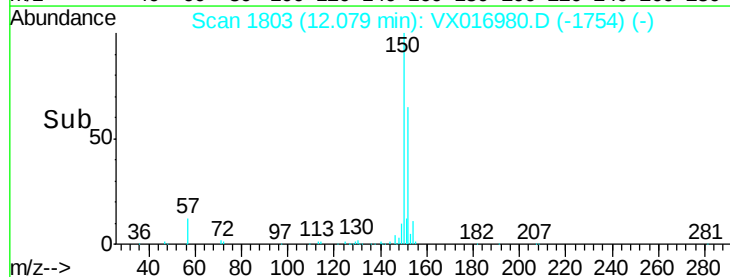
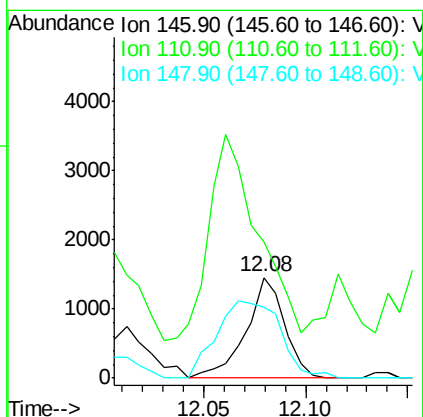
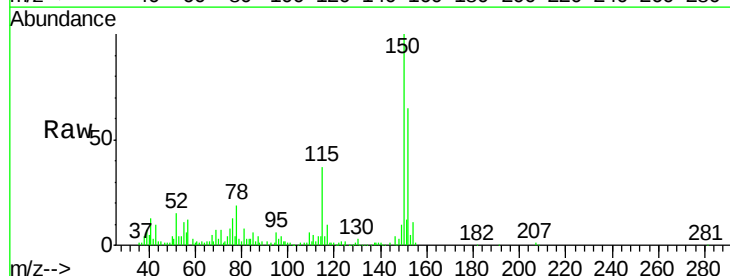
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1

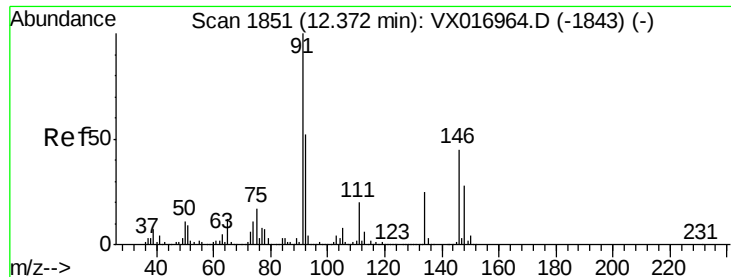
Tot Ion:119 Resp: 642960  
Ion Ratio Lower Upper  
119 100  
134 27.9 13.1 39.3  
91 26.8 12.4 37.4



#88  
1,4-Dichlorobenzene  
Concen: 0.272 ug/l  
RT: 12.08 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Tgt Ion:146 Resp: 1916  
Ion Ratio Lower Upper  
146 100  
111 291.5 19.9 59.7#  
148 126.4 31.3 93.9#

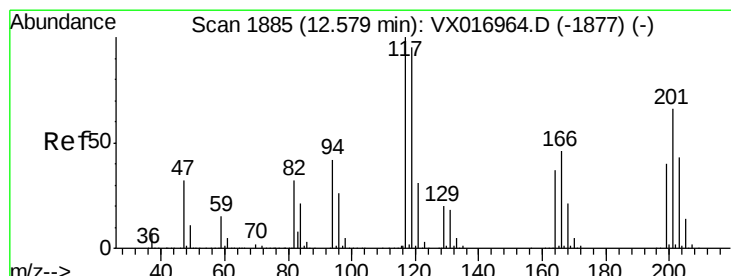
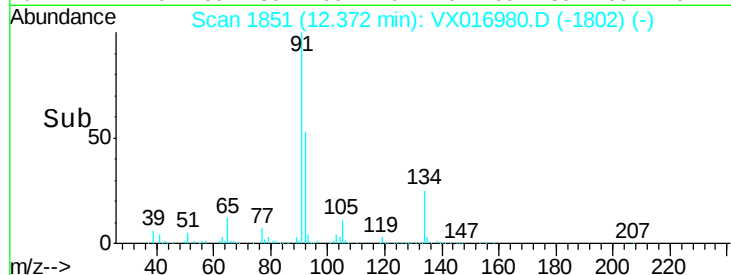
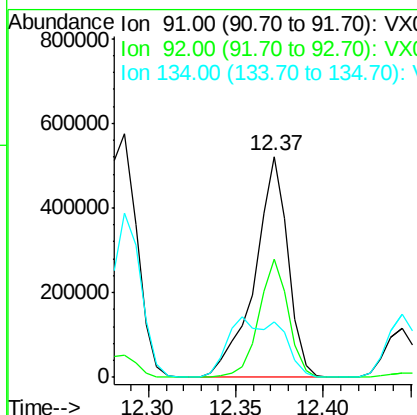
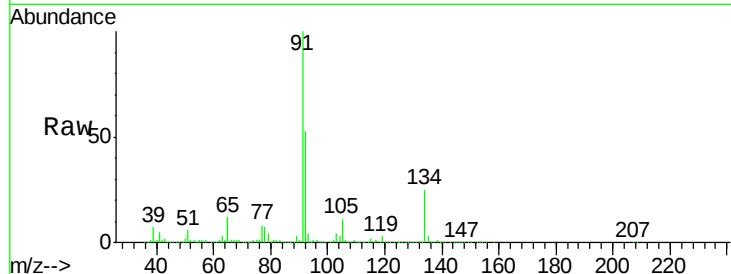




#89  
n-Butylbenzene  
Concen: 57.723 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

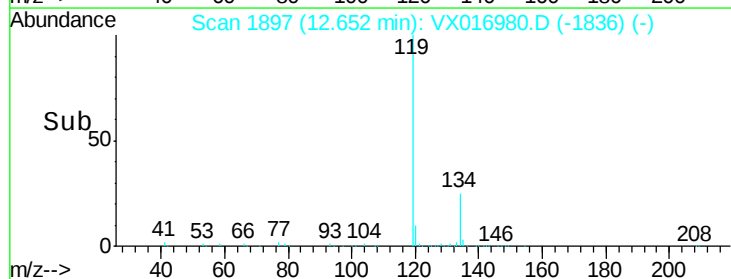
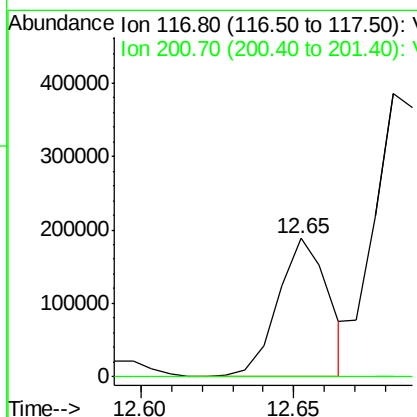
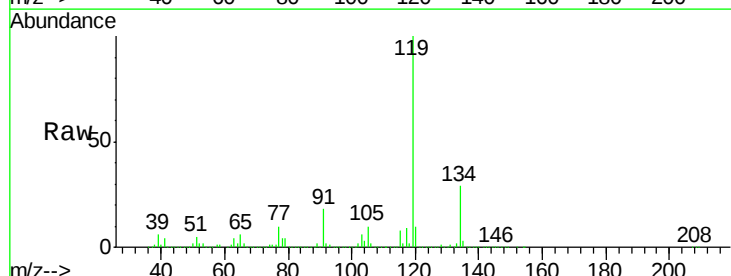
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-1

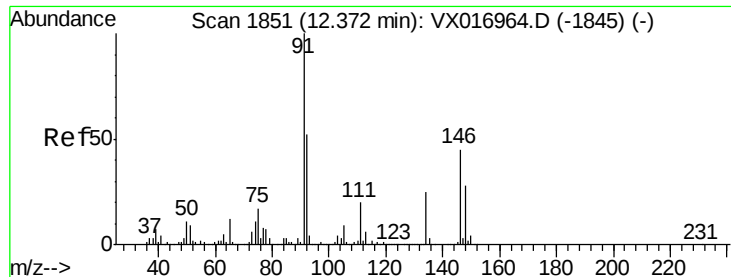
Tot Ion: 91 Resp: 694896  
Ion Ratio Lower Upper  
91 100  
92 47.2 26.6 79.7  
134 44.1 12.6 37.8#



#90  
Hexachloroethane  
Concen: 81.200 ug/l  
RT: 12.65 min Scan# 1897  
Delta R.T. 0.07 min  
Lab File: VX016980.D  
Acq: 26 Jun 2020 13:58

Tgt Ion: 117 Resp: 215289  
Ion Ratio Lower Upper  
117 100  
201 0.0 34.0 102.0#

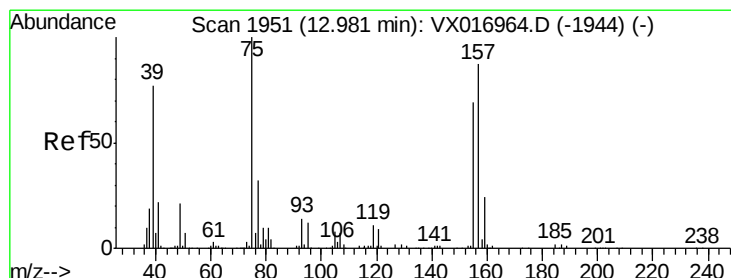
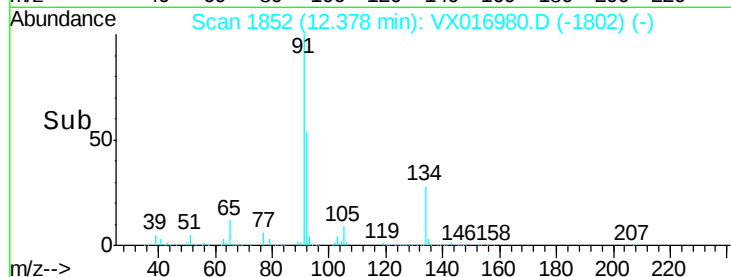
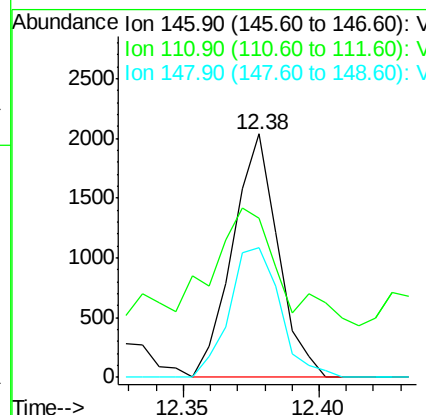
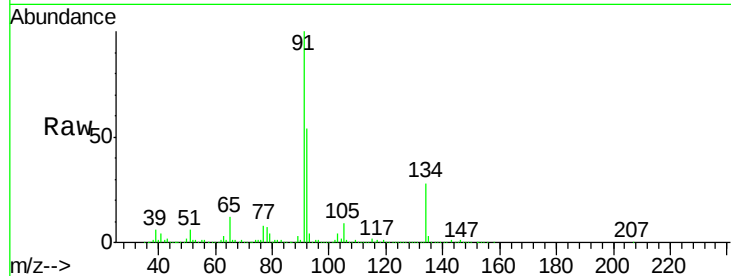




#91  
 1,2-Dichlorobenzene  
 Concen: 0.361 ug/l  
 RT: 12.38 min Scan# 1852  
 Delta R.T. 0.01 min  
 Lab File: VX016980.D  
 Acq: 26 Jun 2020 13:58

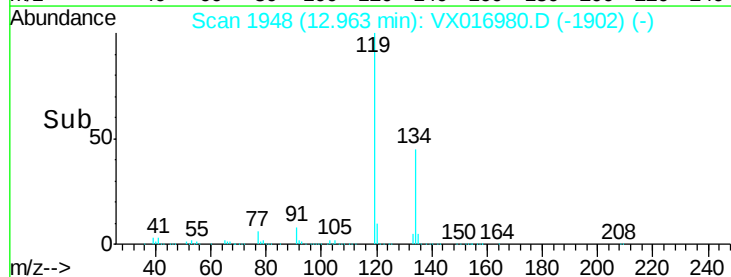
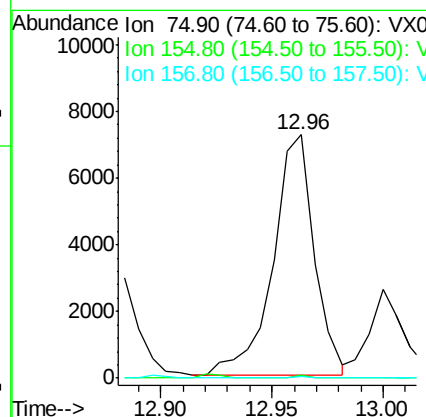
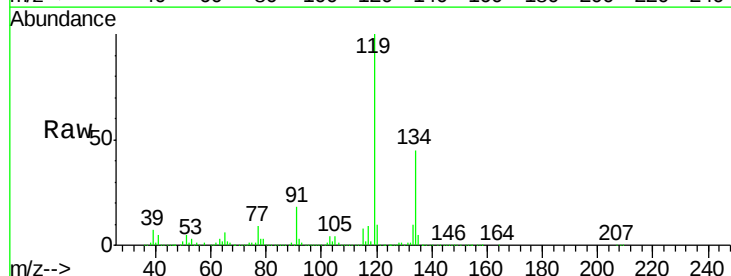
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MW-1

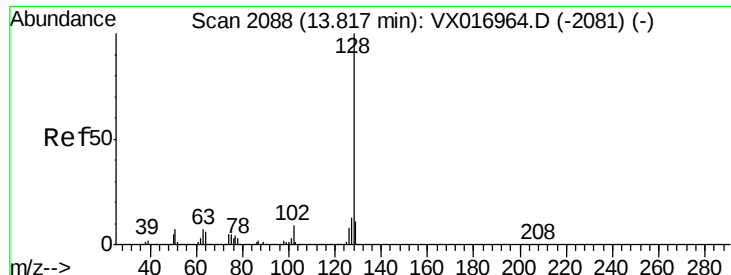
Tot Ion:146 Resp: 2360  
 Ion Ratio Lower Upper  
 146 100  
 111 88.1 21.6 64.6#  
 148 59.7 31.9 95.7



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 8.161 ug/l  
 RT: 12.96 min Scan# 1948  
 Delta R.T. -0.02 min  
 Lab File: VX016980.D  
 Acq: 26 Jun 2020 13:58

Tgt Ion: 75 Resp: 9320  
 Ion Ratio Lower Upper  
 75 100  
 155 0.3 39.0 117.0#  
 157 0.2 50.0 150.1#





#95

Naphthalene

Concen: 25.345 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016980.D

Acq: 26 Jun 2020 13:58

Instrument :

MSVOA\_X

ClientSampleId :

MW-1

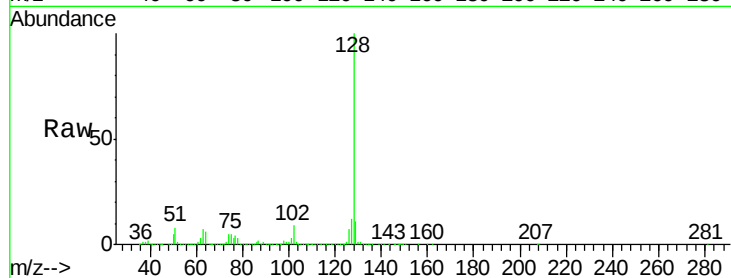
Tot Ion:128 Resp: 355115

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 11.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

