

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052920\  
 Data File : VX016511.D  
 Acq On : 29 May 2020 15:17  
 Operator : JC/SP  
 Sample : L2797-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TEST-HOLE-3-COMP

Quant Time: May 30 01:43:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 16:31:05 2020  
 Response via : Initial Calibration

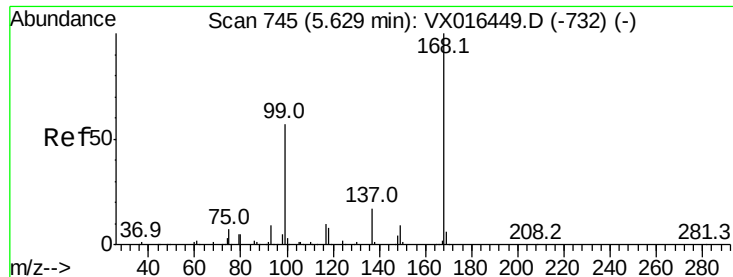
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 296443   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 484149   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 485479   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 232617   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 179214   | 48.68 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.36%  |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 144370   | 48.43 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.86%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 602117   | 51.89 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.78% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 241589   | 53.88 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.76% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 10) Methyl Iodide              | 2.50  | 142  | 69       | 3.075  | ug/l # | 40     |
| 11) Tert butyl alcohol         | 3.00  | 59   | 2624     | 2.780  | ug/l   | 97     |
| 13) Acrolein                   | 2.26  | 56   | 358      | 0.891  | ug/l # | 45     |
| 16) Acetone                    | 2.42  | 43   | 17799    | 11.035 | ug/l   | 99     |
| 18) Methyl Acetate             | 2.75  | 43   | 3551     | 0.858  | ug/l # | 89     |
| 20) Methylene Chloride         | 2.84  | 84   | 5629     | 1.687  | ug/l   | 93     |
| 25) 2-Butanone                 | 4.65  | 43   | 11090    | 4.058  | ug/l   | 97     |
| 29) Tetrahydrofuran            | 5.11  | 42   | 1742     | 0.987  | ug/l # | 62     |
| 31) Cyclohexane                | 5.64  | 56   | 5791     | 1.132  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.63  | 75   | 21753    | 4.745  | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 5.63  | 117  | 28717    | 5.961  | ug/l # | 15     |
| 43) Isopropyl Acetate          | 6.41  | 43   | 84333    | 9.824  | ug/l   | 99     |
| 48) Methyl methacrylate        | 7.65  | 41   | 6038     | 1.469  | ug/l # | 14     |
| 49) 1,4-Dioxane                | 7.87  | 88   | 271      | 2.817  | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 8.59  | 43   | 76302    | 14.275 | ug/l # | 45     |
| 54) cis-1,3-Dichloropropene    | 8.59  | 75   | 36597    | 6.291  | ug/l # | 61     |
| 56) Ethyl methacrylate         | 9.29  | 69   | 1151     | 0.206  | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 9.52  | 76   | 6489     | 1.105  | ug/l # | 42     |
| 59) 2-Hexanone                 | 9.52  | 43   | 79973    | 19.240 | ug/l # | 50     |
| 74) N-amyl acetate             | 10.80 | 43   | 5131     | 0.692  | ug/l # | 45     |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75   | 118765   | 23.228 | ug/l # | 35     |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75   | 118765   | 57.137 | ug/l # | 14     |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

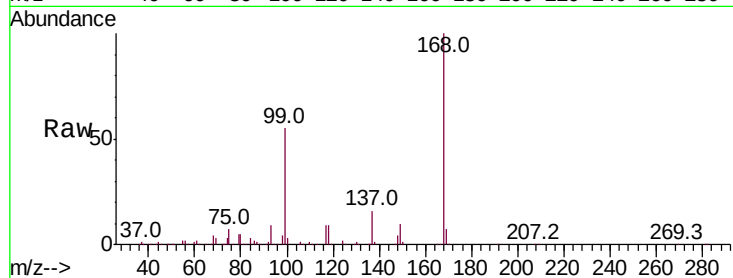
TEST-HOLE-3-COMP

Tot Ion:168 Resp: 296443

Ion Ratio Lower Upper

168 100

99 54.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

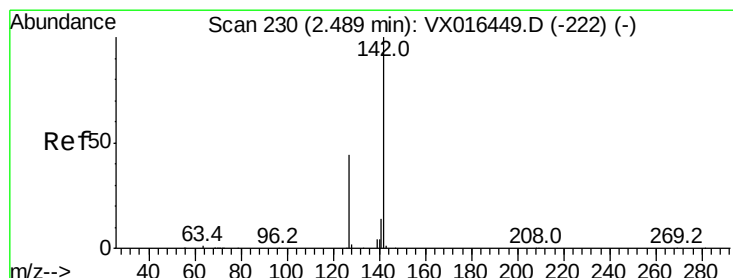
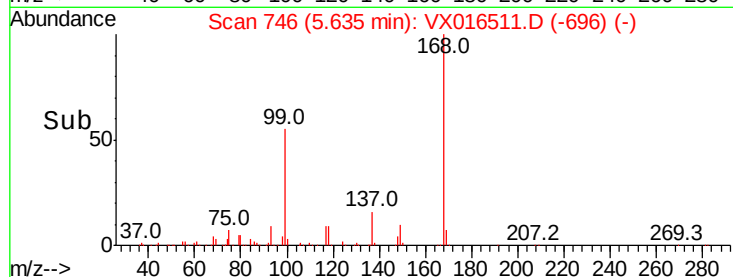
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 3.075 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

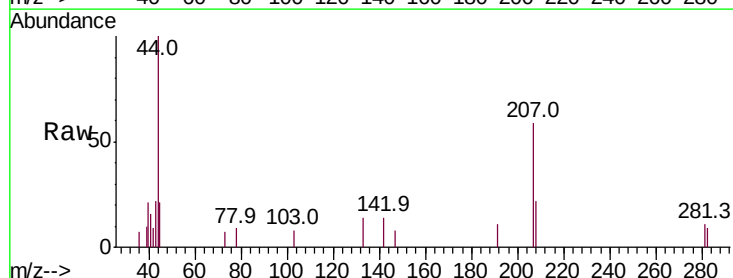
Tgt Ion:142 Resp: 69

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

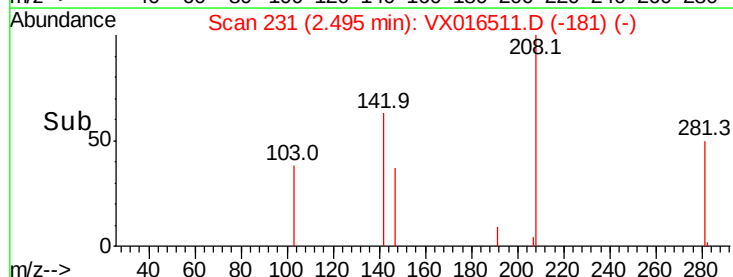
150

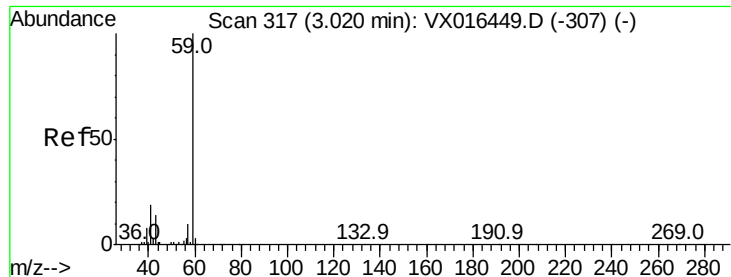
100

50

0

Time-->



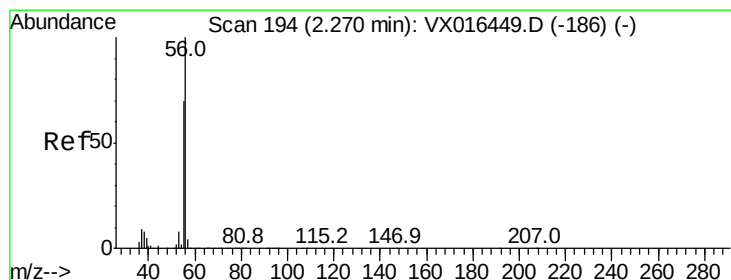
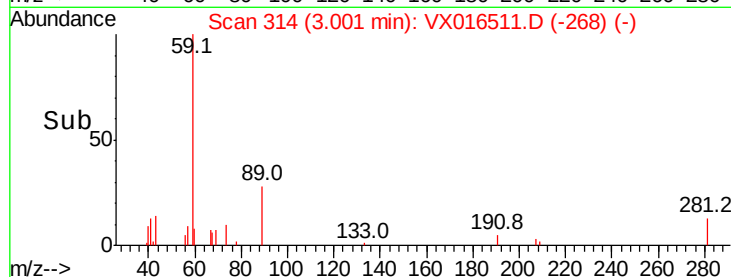
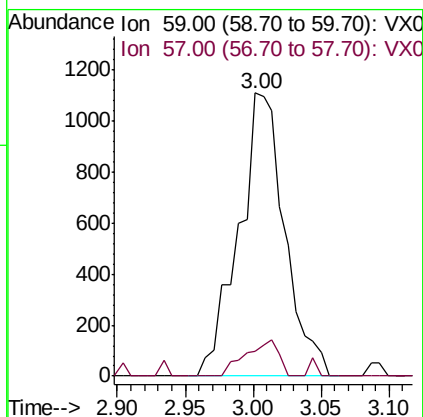
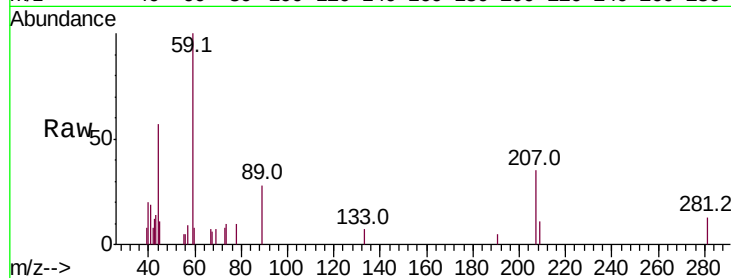


#11

Tert butyl alcohol  
Concen: 2.780 ug/l  
RT: 3.00 min Scan# 314  
Delta R.T. -0.02 min  
Lab File: VX016511.D  
Acq: 29 May 2020 15:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
TEST-HOLE-3-COMP

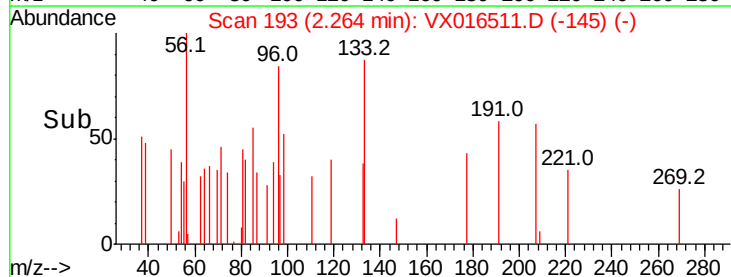
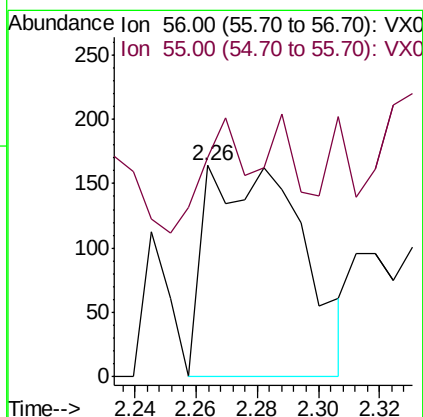
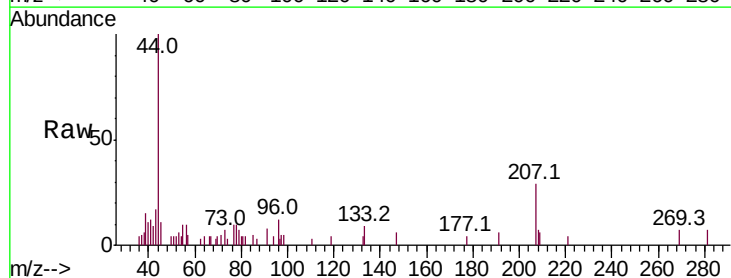
Tot Ion: 59 Resp: 2624  
Ion Ratio Lower Upper  
59 100  
57 9.2 8.2 12.4

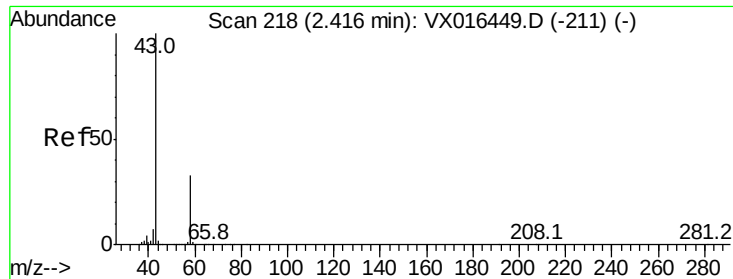


#13

Acrolein  
Concen: 0.891 ug/l  
RT: 2.26 min Scan# 193  
Delta R.T. -0.01 min  
Lab File: VX016511.D  
Acq: 29 May 2020 15:17

Tgt Ion: 56 Resp: 358  
Ion Ratio Lower Upper  
56 100  
55 26.5 58.3 87.5#





#16

Acetone

Concen: 11.035 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

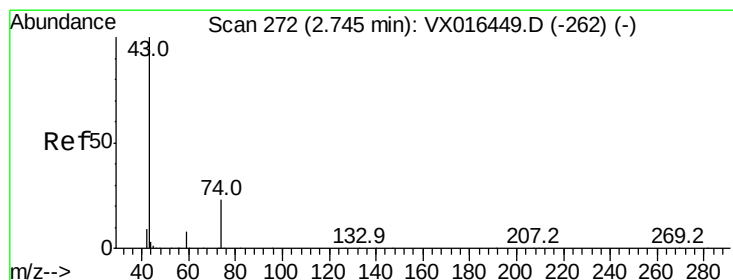
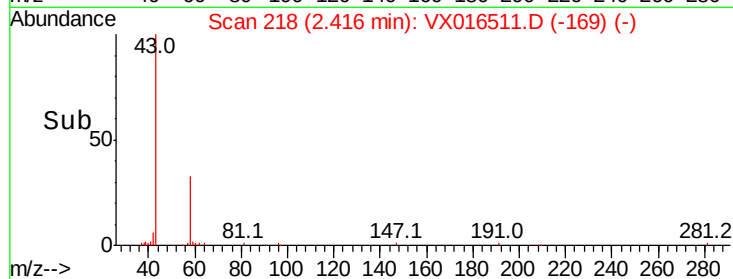
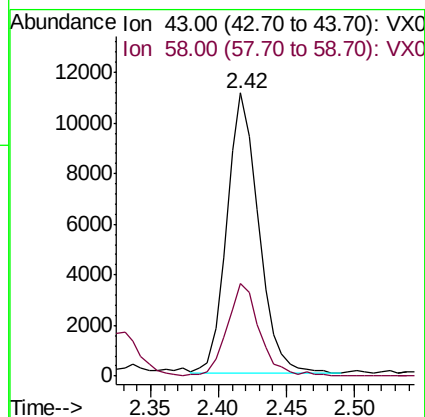
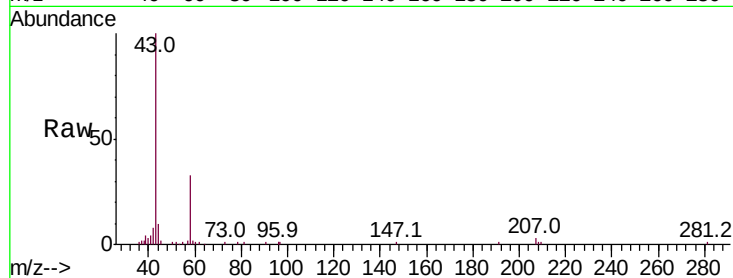
TEST-HOLE-3-COMP

Tot Ion: 43 Resp: 17799

Ion Ratio Lower Upper

43 100

58 33.0 26.1 39.1



#18

Methyl Acetate

Concen: 0.858 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016511.D

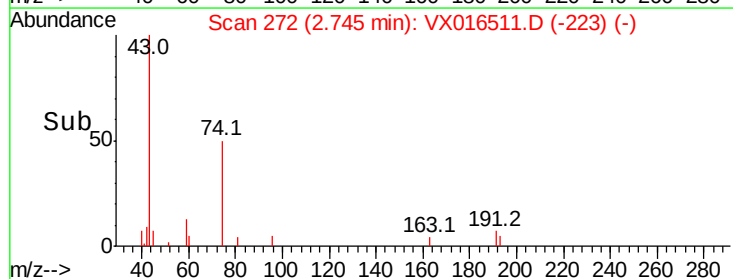
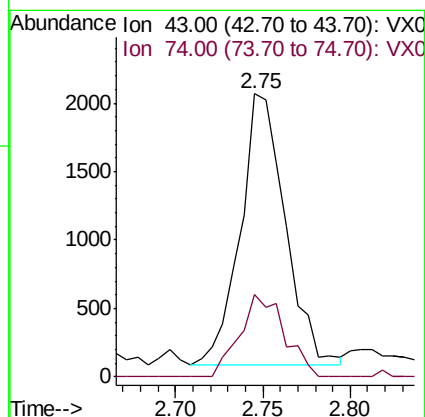
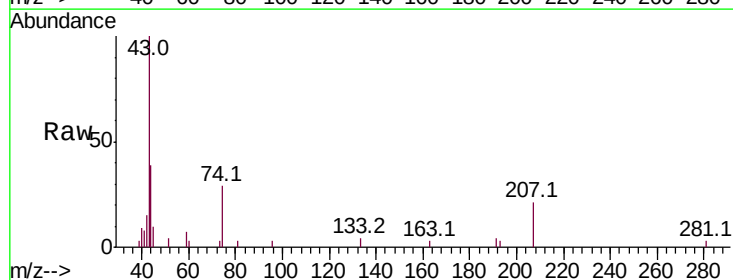
Acq: 29 May 2020 15:17

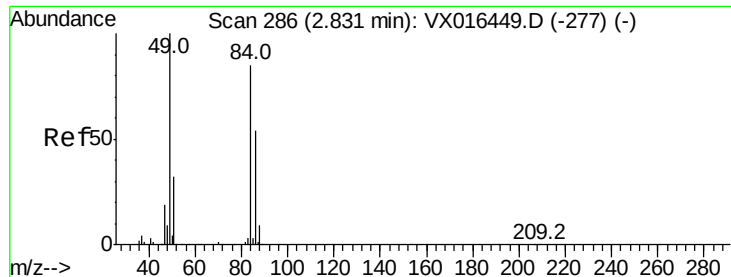
Tgt Ion: 43 Resp: 3551

Ion Ratio Lower Upper

43 100

74 30.0 19.7 29.5#





#20

Methylene Chloride

Concen: 1.687 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

TEST-HOLE-3-COMP

Tot Ion: 84 Resp: 5629

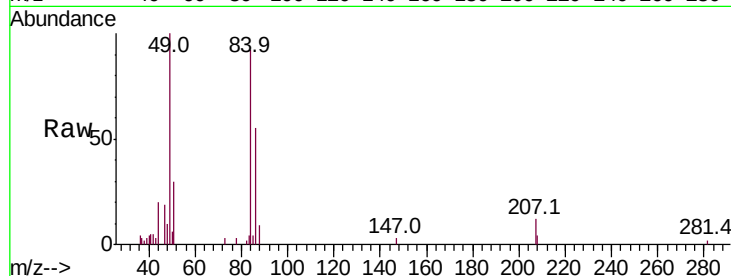
Ion Ratio Lower Upper

84 100

49 109.0 94.5 141.7

51 33.2 30.2 45.4

86 60.2 51.1 76.7



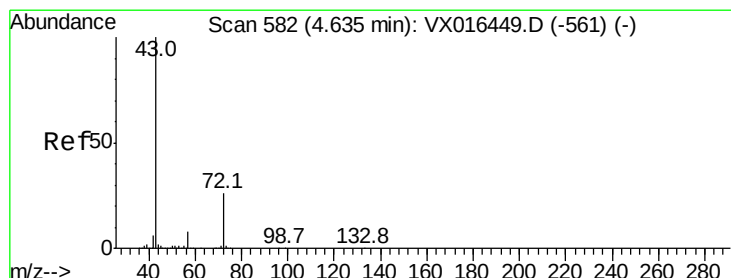
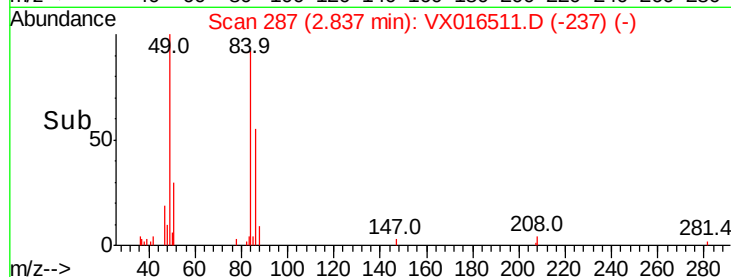
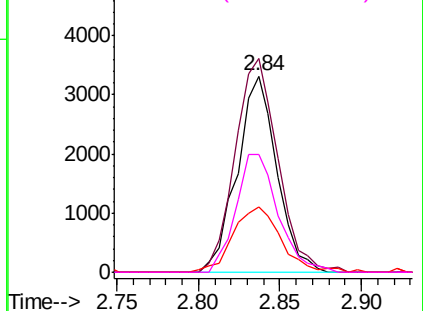
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 4.058 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016511.D

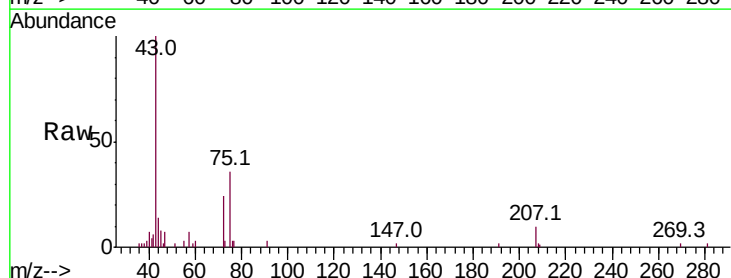
Acq: 29 May 2020 15:17

Tgt Ion: 43 Resp: 11090

Ion Ratio Lower Upper

43 100

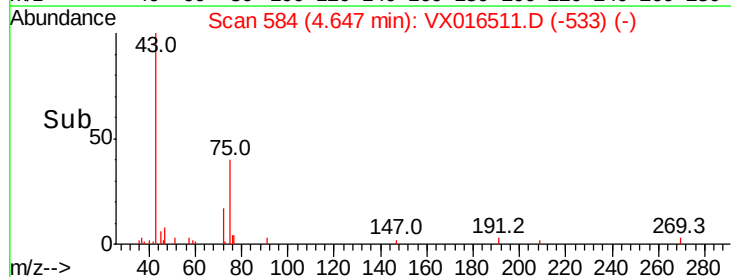
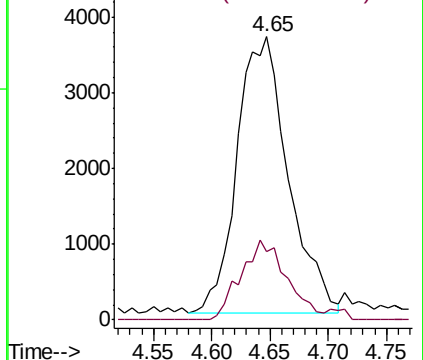
72 24.8 21.0 31.6

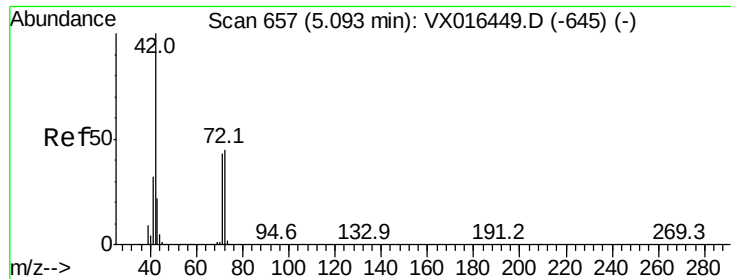


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.987 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

TEST-HOLE-3-COMP

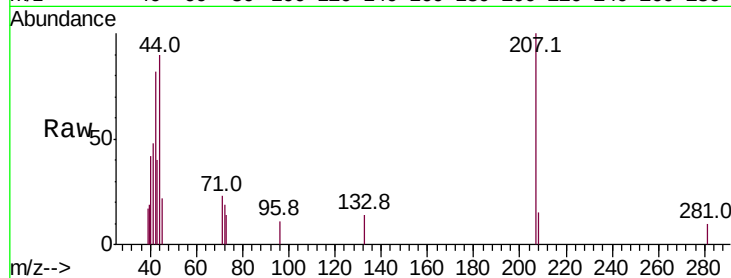
Tot Ion: 42 Resp: 1742

Ion Ratio Lower Upper

42 100

72 24.0 37.0 55.4#

71 15.8 34.1 51.1#

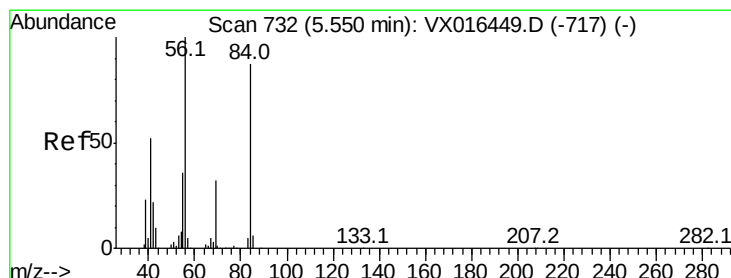
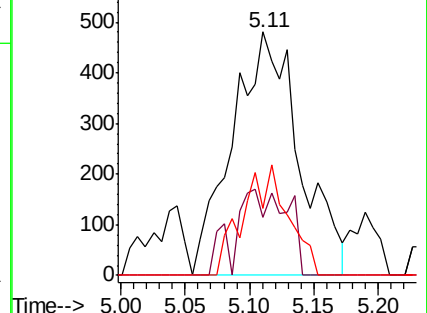
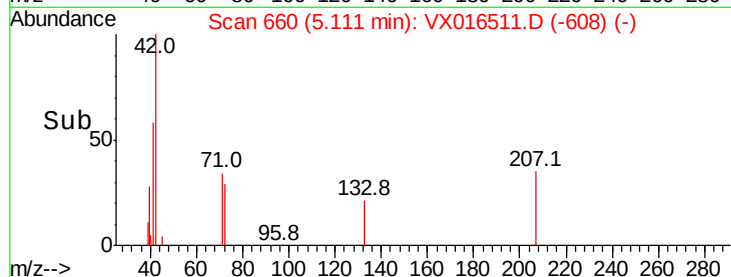


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.11



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

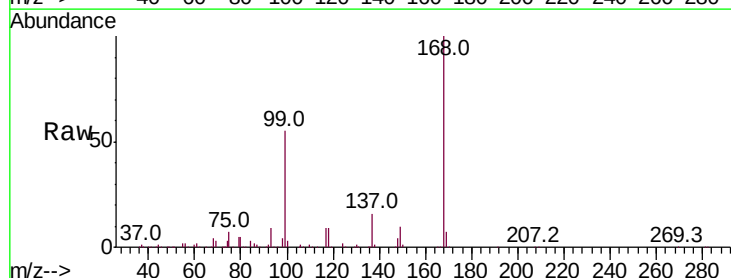
Tgt Ion: 56 Resp: 5791

Ion Ratio Lower Upper

56 100

69 188.2 25.7 38.5#

84 162.3 70.0 105.0#

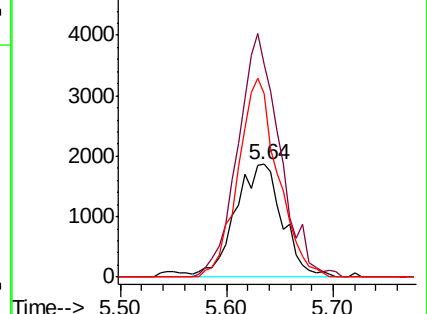
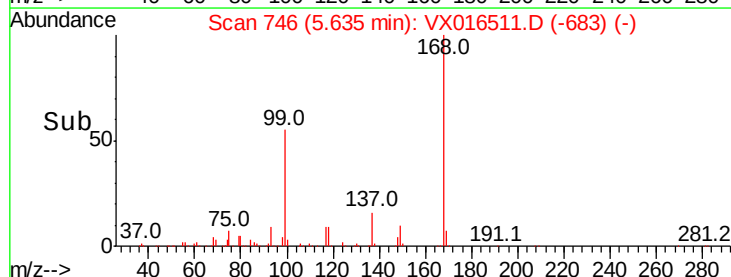


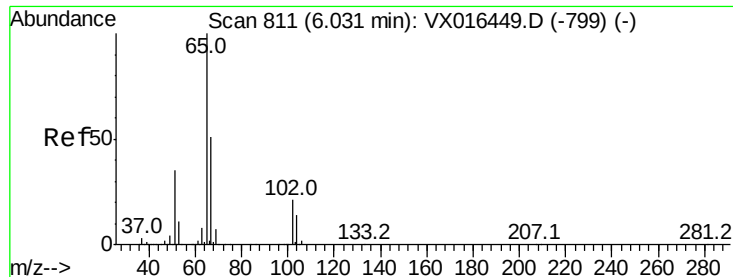
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.64

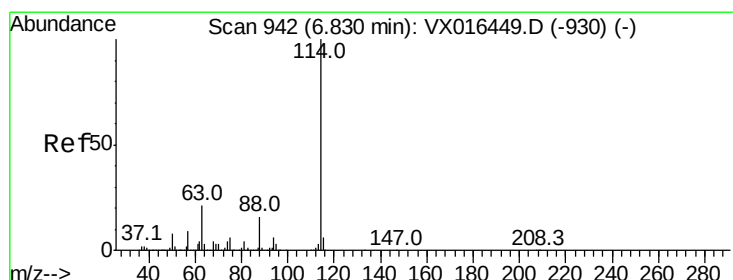
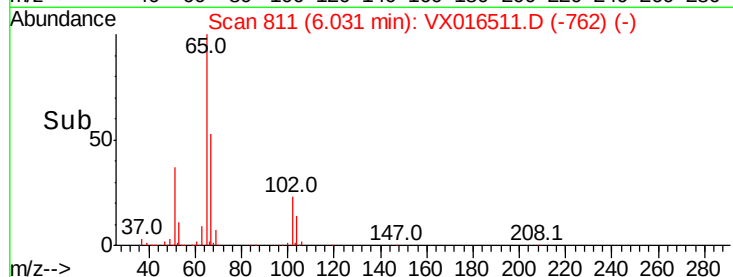
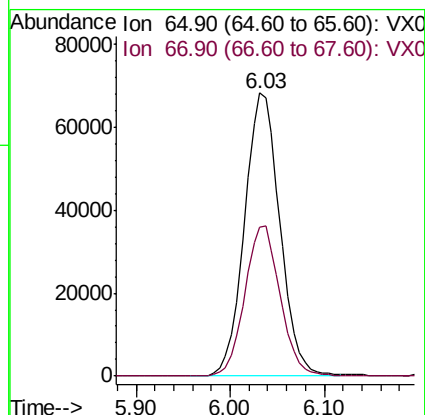
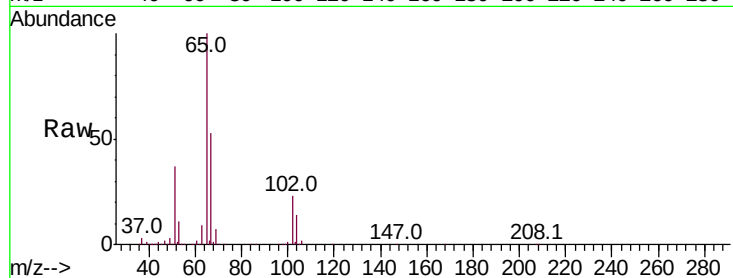




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.680 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX016511.D  
 Acq: 29 May 2020 15:17

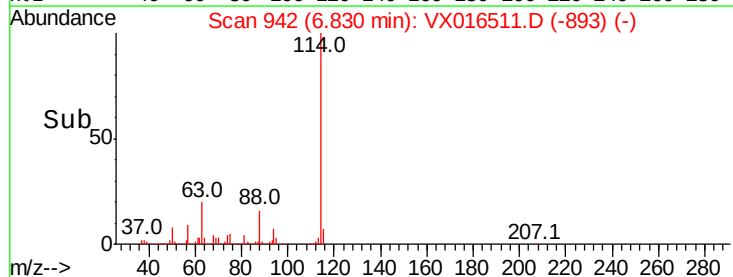
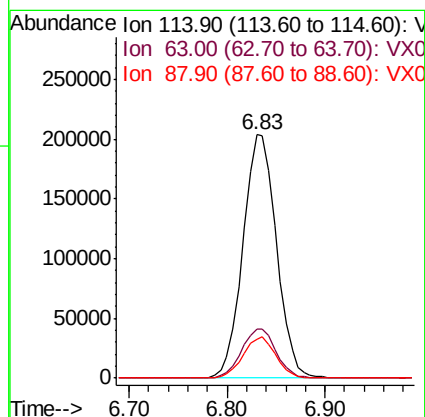
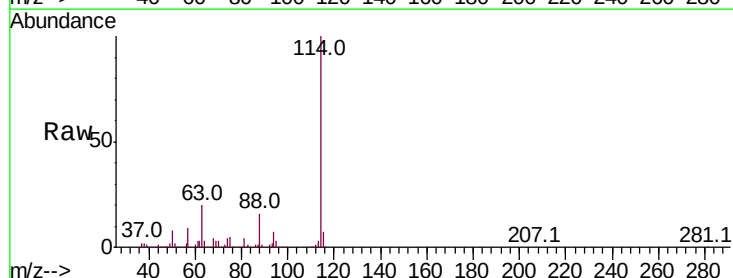
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TEST-HOLE-3-COMP

Tot Ion: 65 Resp: 179214  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 104.8

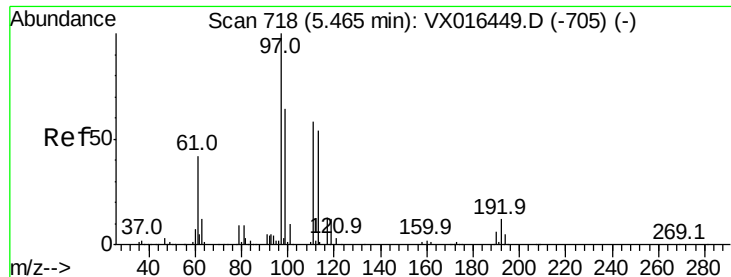


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: VX016511.D  
 Acq: 29 May 2020 15:17

Tgt Ion: 114 Resp: 484149  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 42.6  
 88 16.1 0.0 32.8



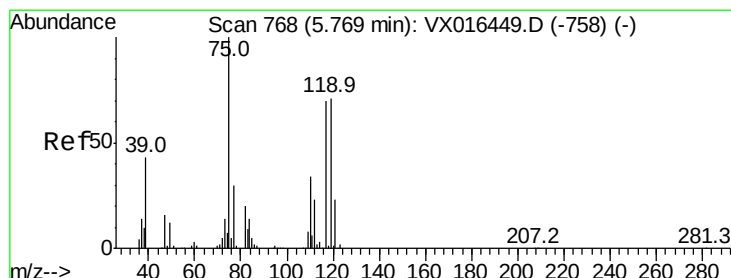
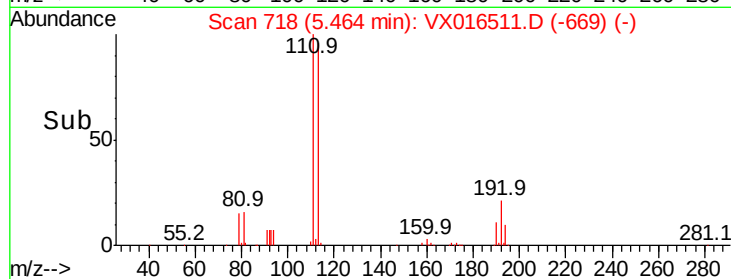
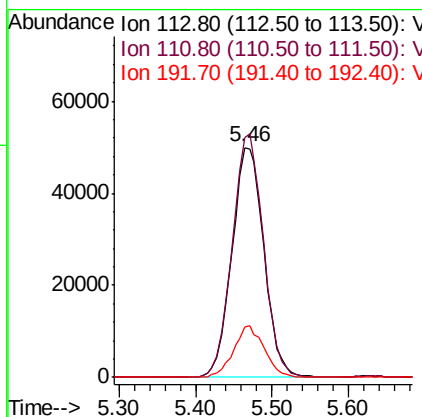
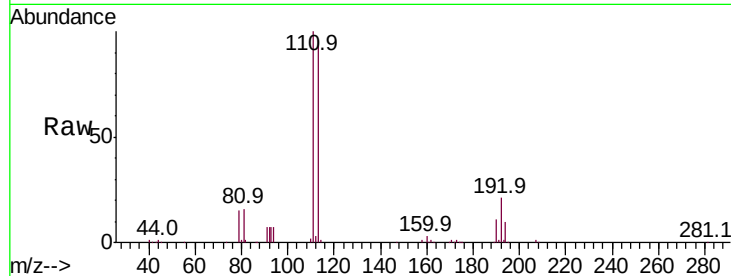




#35  
 Dibromofluoromethane  
 Concen: 48.428 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.00 min  
 Lab File: VX016511.D  
 Acq: 29 May 2020 15:17

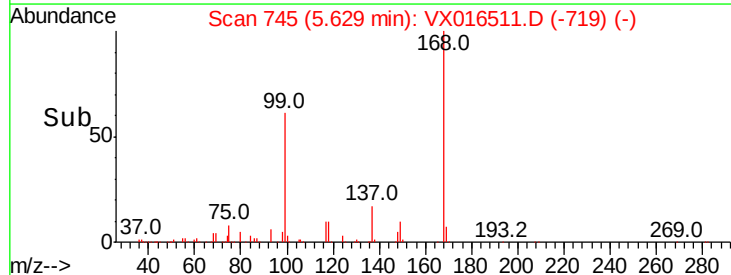
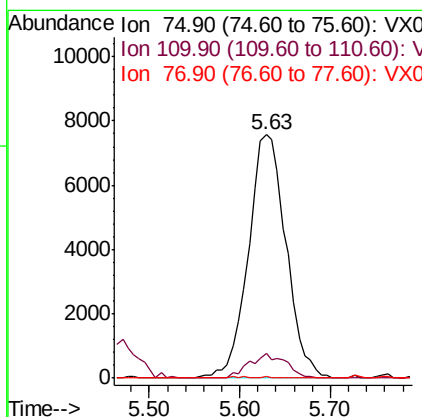
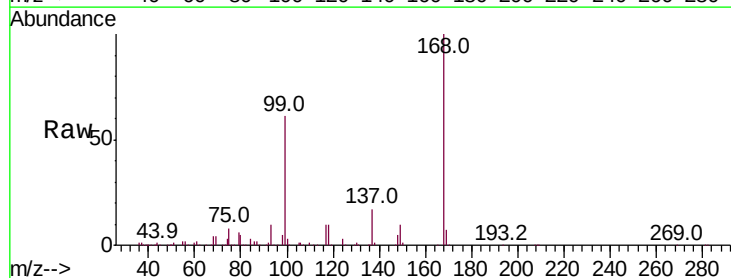
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TEST-HOLE-3-COMP

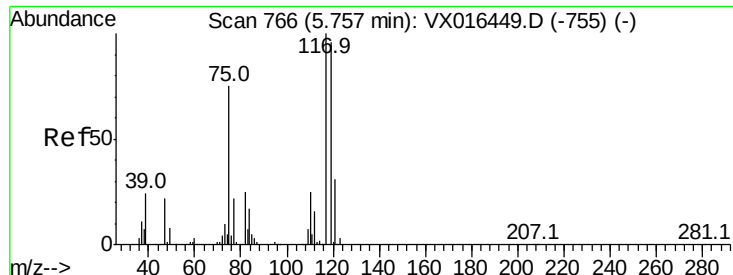
Tot Ion:113 Resp: 144370  
 Ion Ratio Lower Upper  
 113 100  
 111 103.5 83.0 124.6  
 192 21.4 17.7 26.5



#36  
 1,1-Dichloropropene  
 Concen: 4.745 ug/l  
 RT: 5.63 min Scan# 745  
 Delta R.T. -0.14 min  
 Lab File: VX016511.D  
 Acq: 29 May 2020 15:17

Tgt Ion: 75 Resp: 21753  
 Ion Ratio Lower Upper  
 75 100  
 110 9.8 17.4 52.3#  
 77 0.1 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.961 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

TEST-HOLE-3-COMP

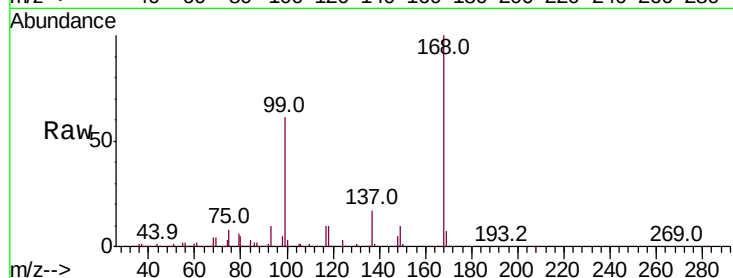
Tot Ion:117 Resp: 28717

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

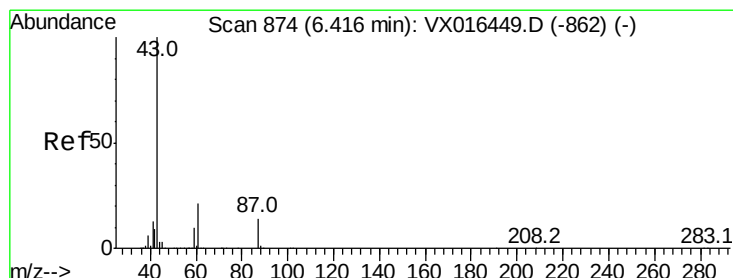
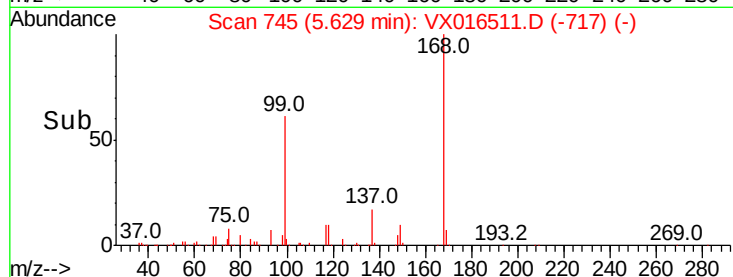
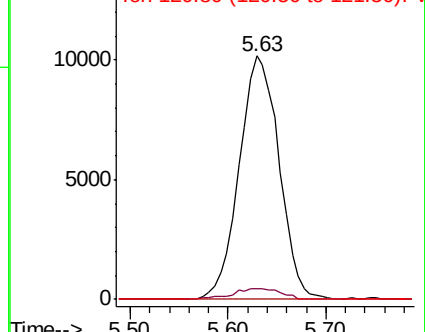
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 9.824 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

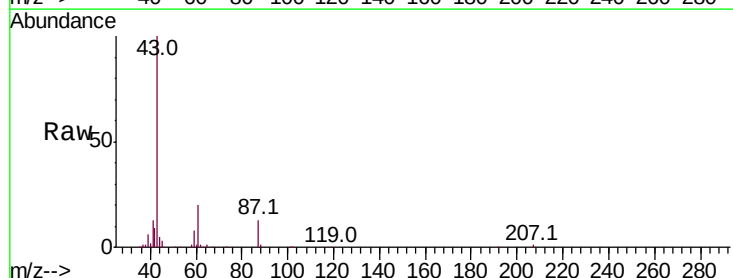
Tgt Ion: 43 Resp: 84333

Ion Ratio Lower Upper

43 100

61 21.7 16.8 25.2

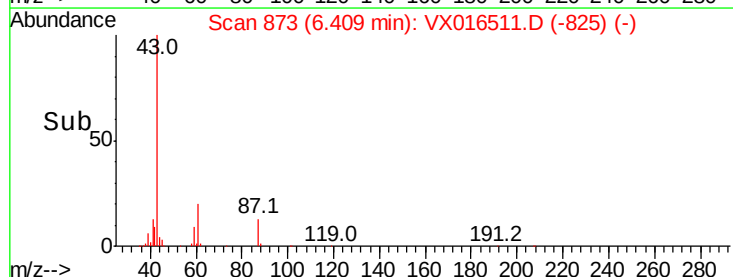
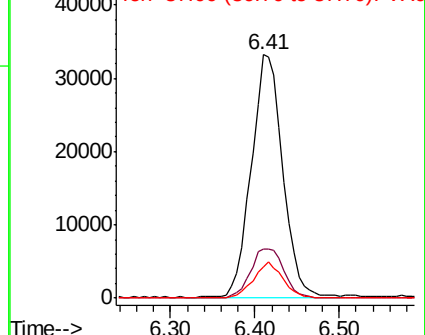
87 13.8 11.2 16.8

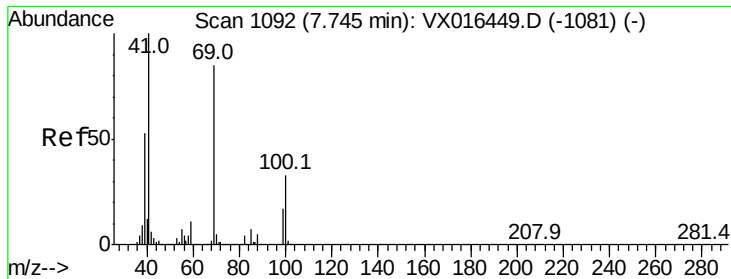


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 1.469 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

TEST-HOLE-3-COMP

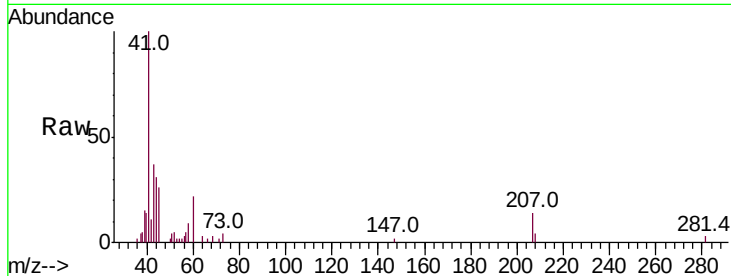
Tot Ion: 41 Resp: 6038

Ion Ratio Lower Upper

41 100

69 0.0 68.6 102.8#

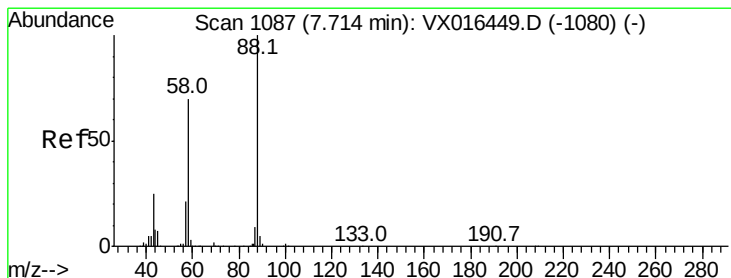
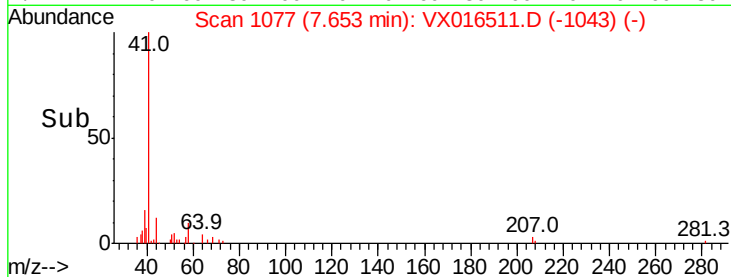
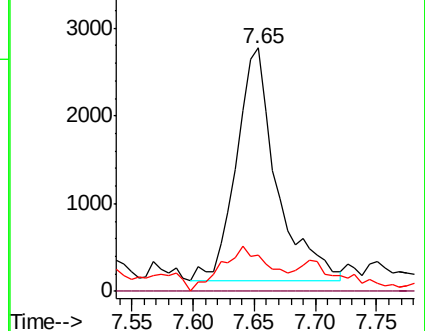
39 0.0 42.4 63.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 2.817 ug/l

RT: 7.87 min Scan# 1112

Delta R.T. 0.15 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

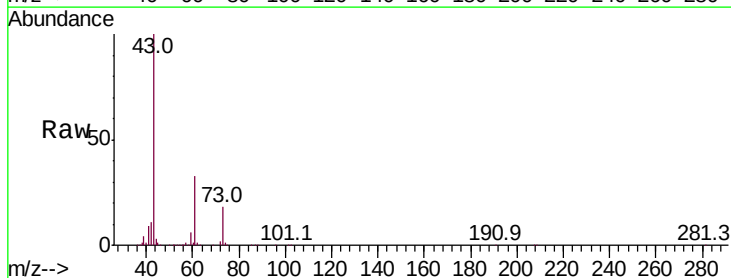
Tgt Ion: 88 Resp: 271

Ion Ratio Lower Upper

88 100

43 538693.4 24.2 36.4#

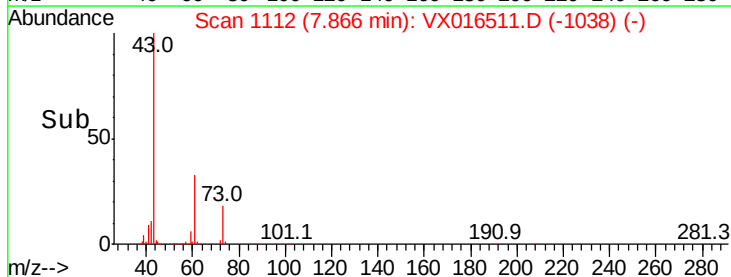
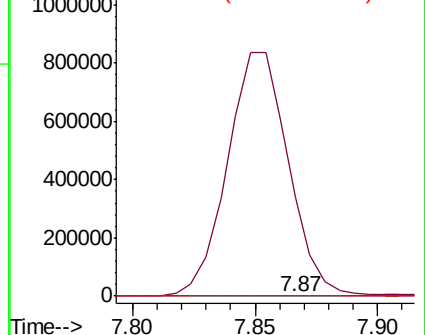
58 2200.0 56.5 84.7#

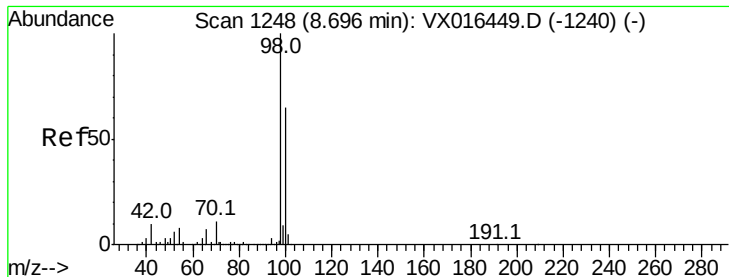


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.892 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

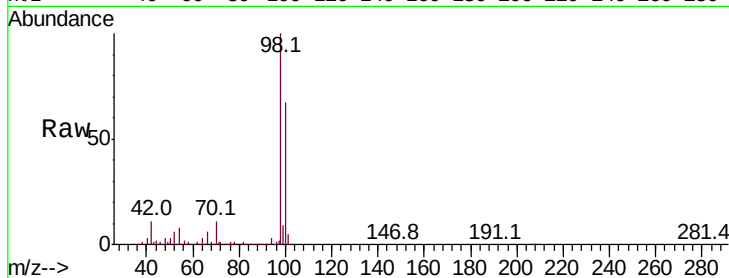
TEST-HOLE-3-COMP

Tot Ion: 98 Resp: 602117

Ion Ratio Lower Upper

98 100

100 66.8 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

400000

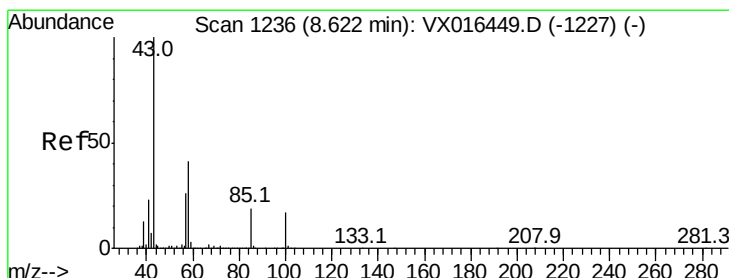
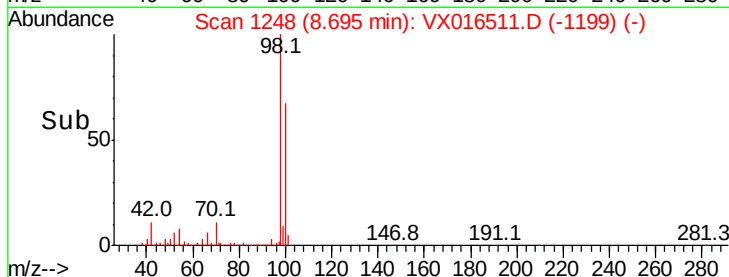
300000

200000

100000

0

Time--> 8.60 8.65 8.70 8.75



#51

4-Methyl-2-Pentanone

Concen: 14.275 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016511.D

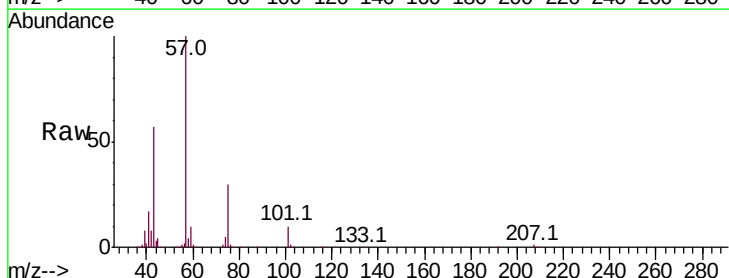
Acq: 29 May 2020 15:17

Tgt Ion: 43 Resp: 76302

Ion Ratio Lower Upper

43 100

58 6.7 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.59

50000

40000

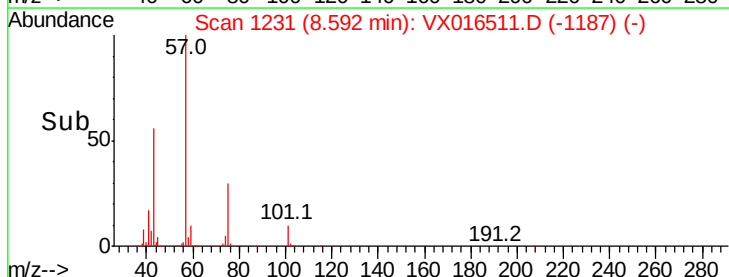
30000

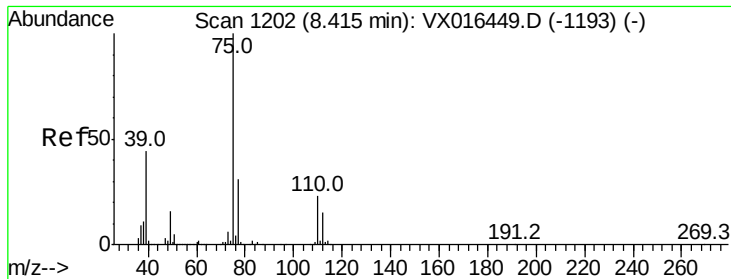
20000

10000

0

Time--> 8.50 8.55 8.60 8.65



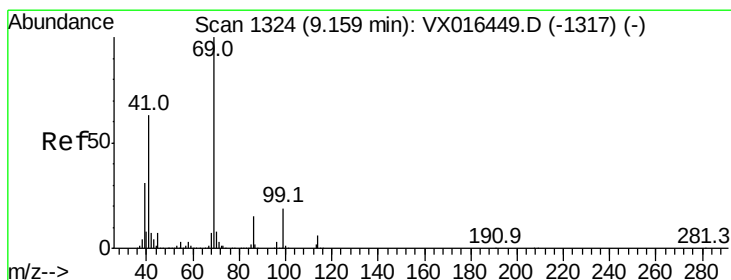
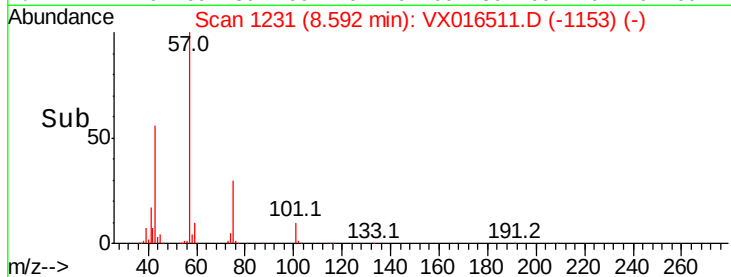
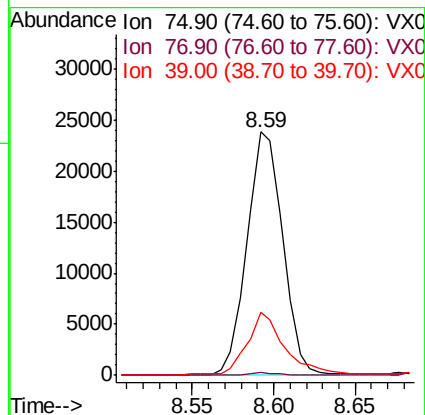
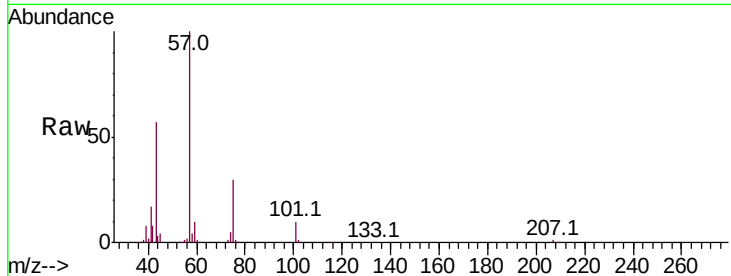


#54

cis-1,3-Dichloropropene  
 Concen: 6.291 ug/l  
 RT: 8.59 min Scan# 1231  
 Delta R.T. 0.18 min  
 Lab File: VX016511.D  
 Acq: 29 May 2020 15:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TEST-HOLE-3-COMP

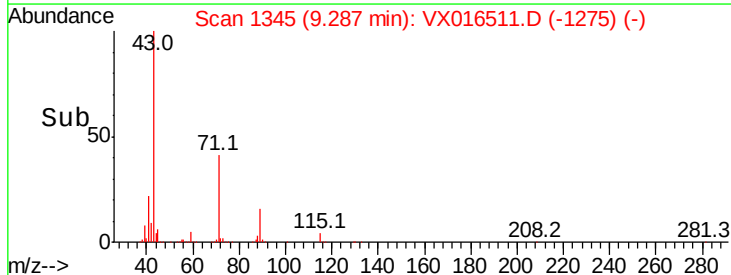
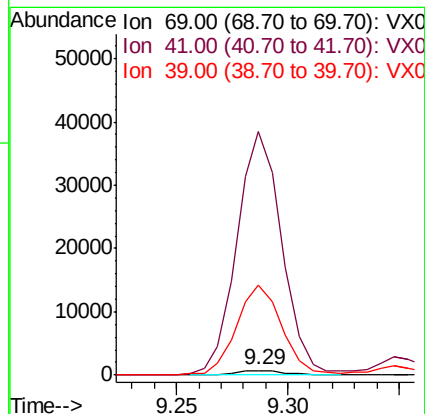
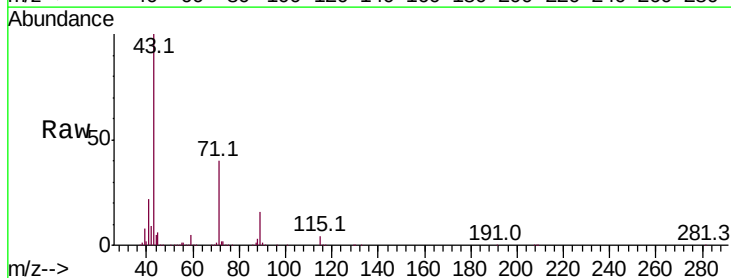
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.9   | 24.6  | 36.8# |
| 39      | 25.4  | 35.3  | 52.9# |

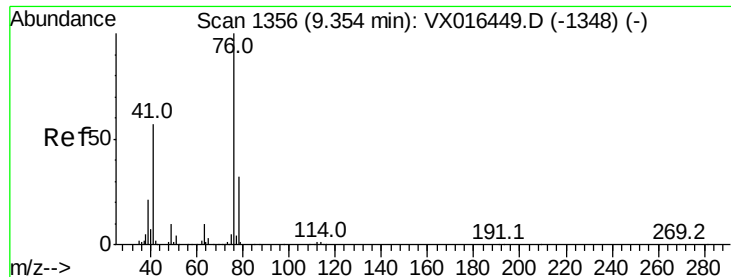


#56

Ethyl methacrylate  
 Concen: 0.206 ug/l  
 RT: 9.29 min Scan# 1345  
 Delta R.T. 0.13 min  
 Lab File: VX016511.D  
 Acq: 29 May 2020 15:17

| Tgt Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 69      | 100    |       |       |
| 41      | 4690.2 | 50.7  | 76.1# |
| 39      | 1738.3 | 25.8  | 38.6# |





#57

1,3-Dichloropropane

Concen: 1.105 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

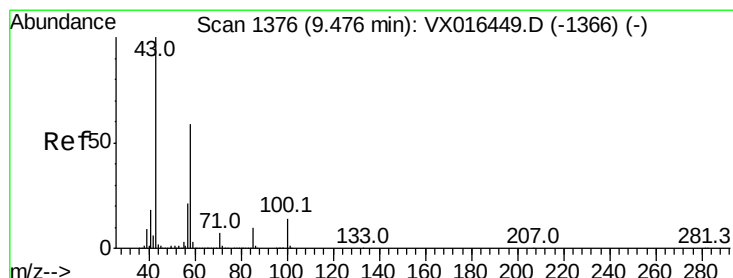
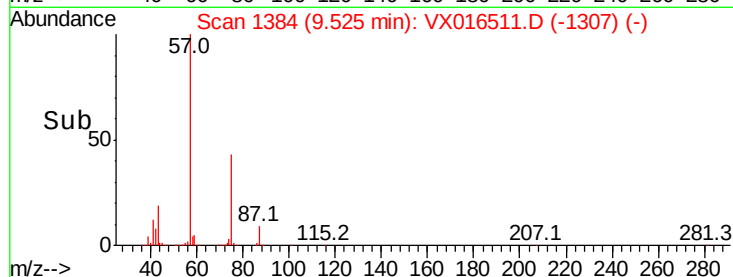
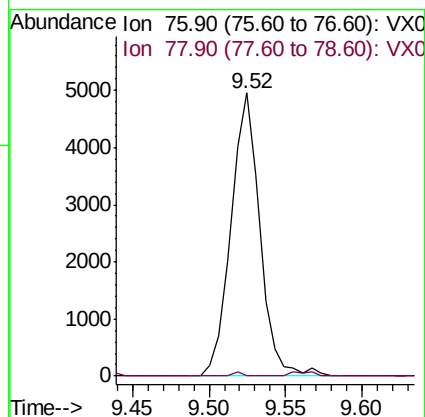
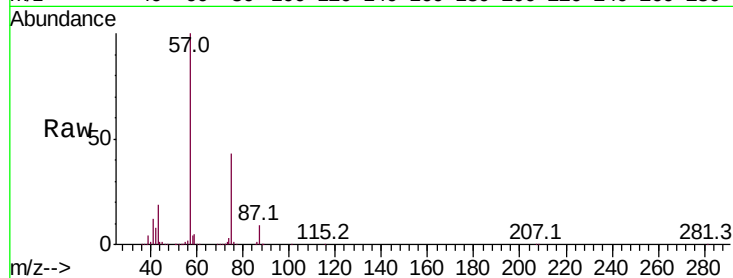
TEST-HOLE-3-COMP

Tot Ion: 76 Resp: 6489

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.4#



#59

2-Hexanone

Concen: 19.240 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016511.D

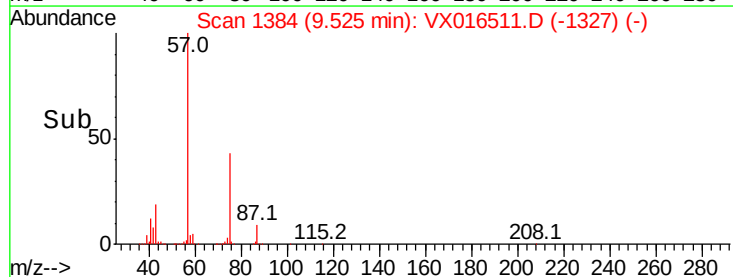
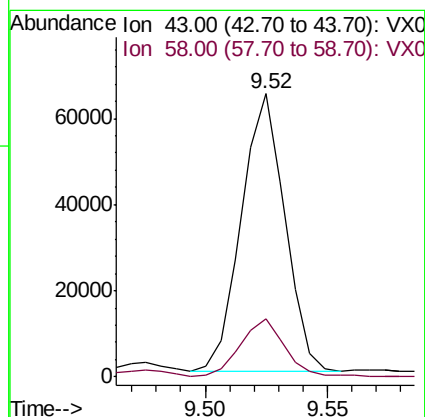
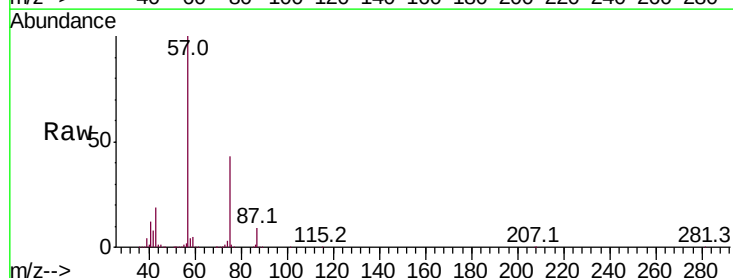
Acq: 29 May 2020 15:17

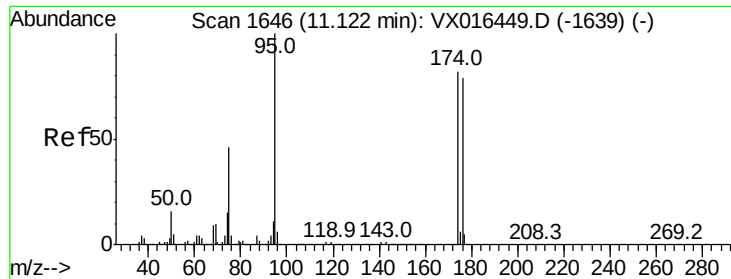
Tgt Ion: 43 Resp: 79973

Ion Ratio Lower Upper

43 100

58 20.8 28.8 86.4#

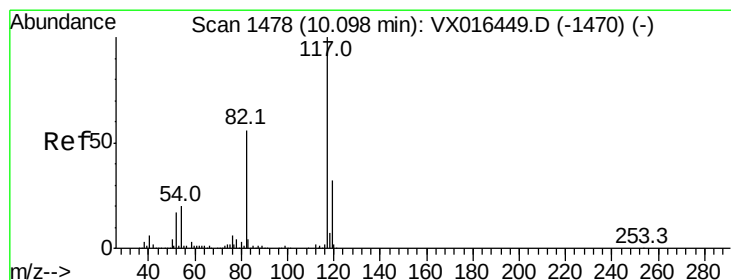
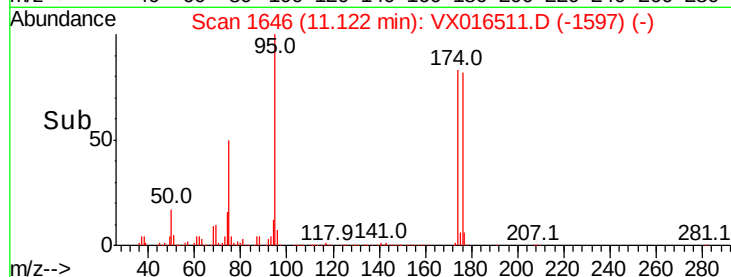
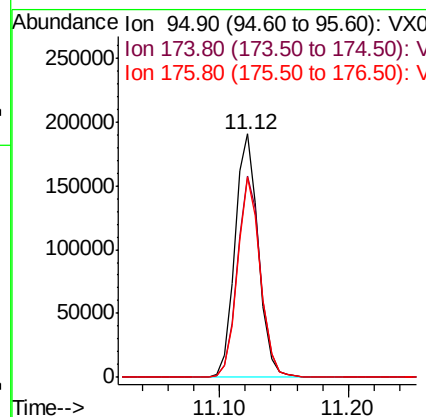
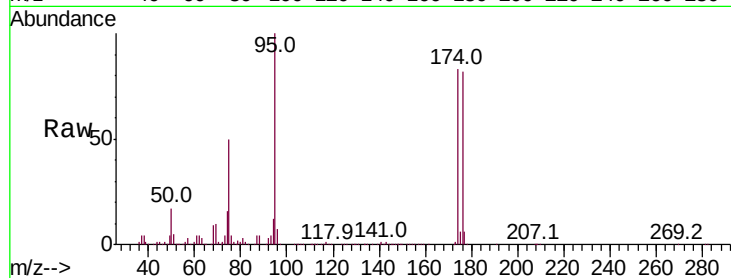




#62  
4-Bromofluorobenzene  
Concen: 53.885 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX016511.D  
Acq: 29 May 2020 15:17

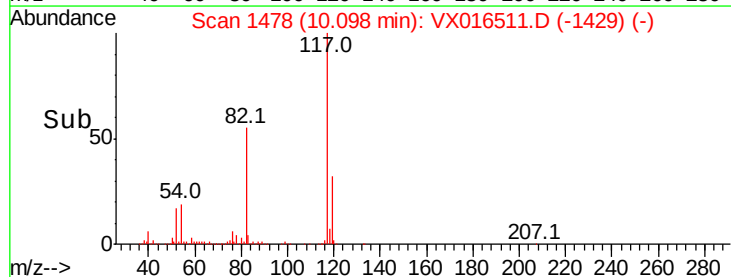
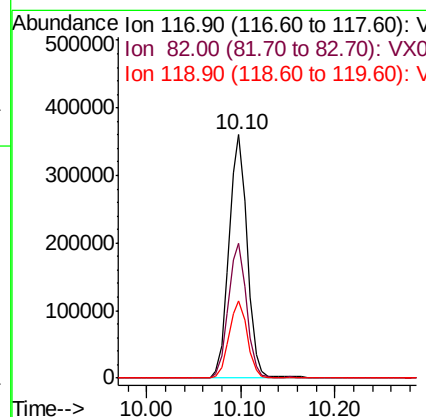
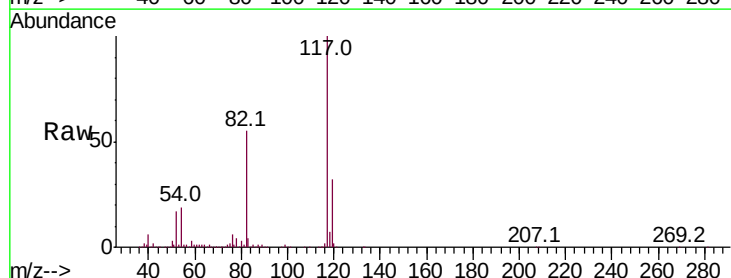
Instrument :  
MSVOA\_X  
ClientSampleId :  
TEST-HOLE-3-COMP

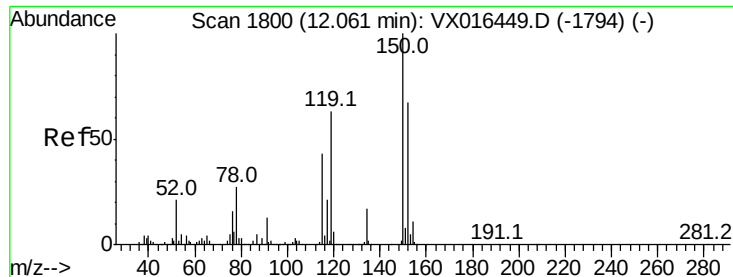
Tot Ion: 95 Resp: 241589  
Ion Ratio Lower Upper  
95 100  
174 81.8 0.0 163.0  
176 80.3 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016511.D  
Acq: 29 May 2020 15:17

Tgt Ion: 117 Resp: 485479  
Ion Ratio Lower Upper  
117 100  
82 55.1 45.0 67.6  
119 31.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

TEST-HOLE-3-COMP

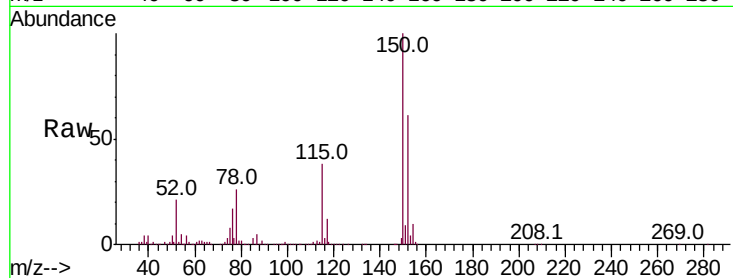
Tot Ion:152 Resp: 232617

Ion Ratio Lower Upper

152 100

115 61.5 39.9 119.6

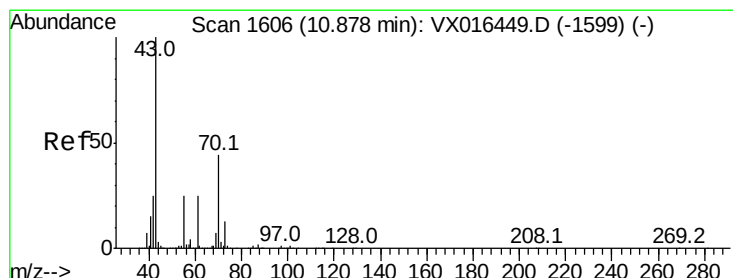
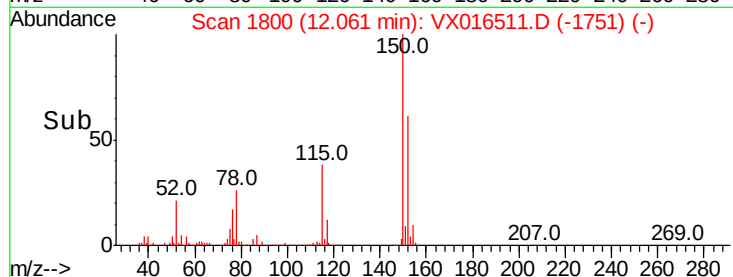
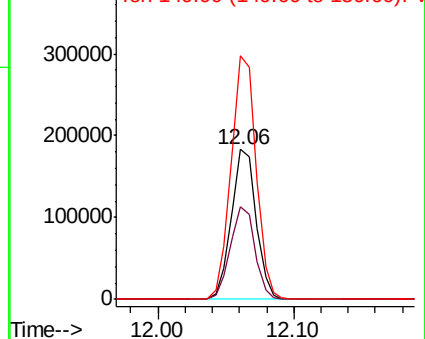
150 163.8 0.0 341.0



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



#74

N-ethyl acetate

Concen: 0.692 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Tgt Ion: 43 Resp: 5131

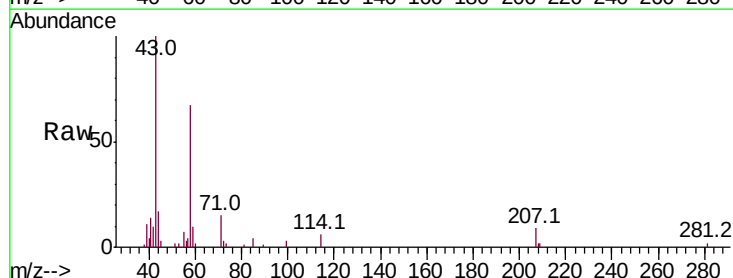
Ion Ratio Lower Upper

43 100

70 0.0 36.1 54.1#

55 8.6 20.2 30.4#

61 0.0 20.3 30.5#

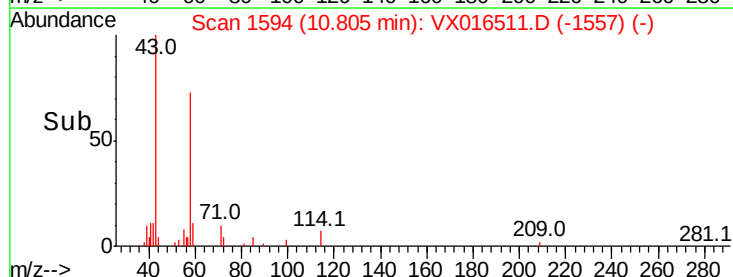
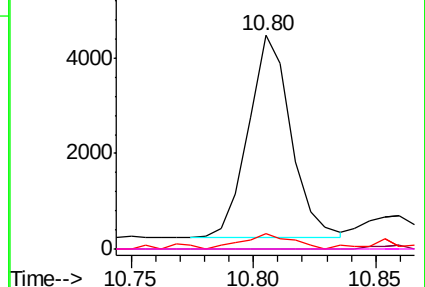


Abundance Ion 43.00 (42.70 to 43.70): VX0

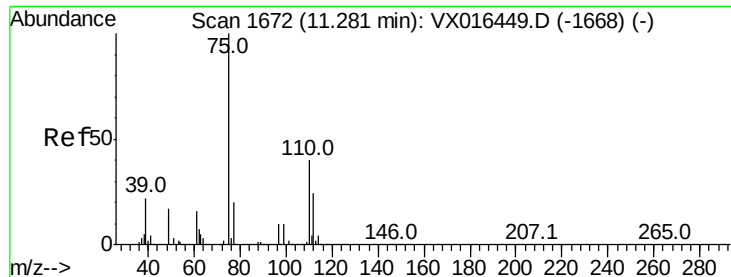
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0







#76

1,2,3-Trichloropropane

Concen: 23.228 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

Instrument :

MSVOA\_X

ClientSampleId :

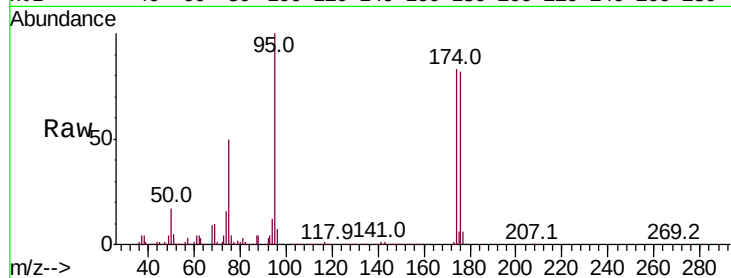
TEST-HOLE-3-COMP

Tot Ion: 75 Resp: 118765

Ion Ratio Lower Upper

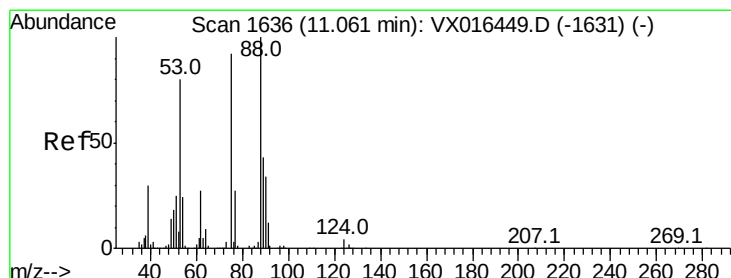
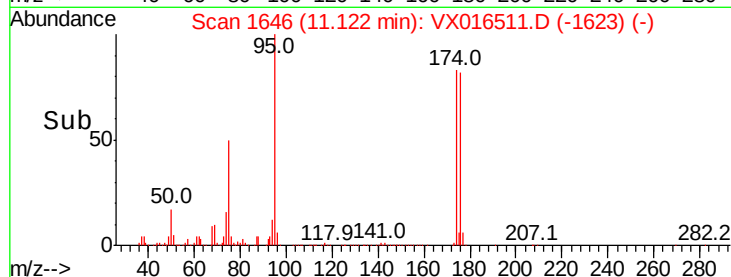
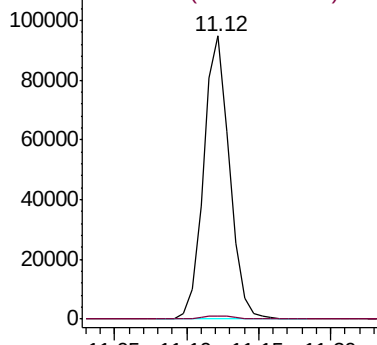
75 100

77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 57.137 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016511.D

Acq: 29 May 2020 15:17

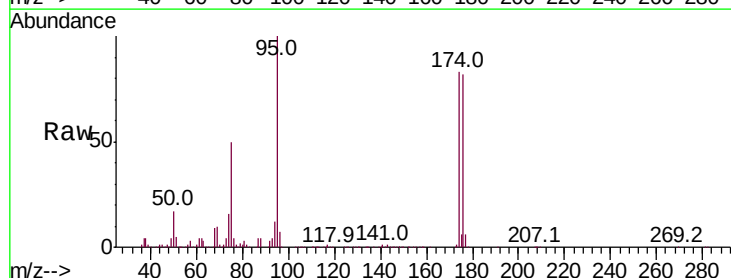
Tgt Ion: 75 Resp: 118765

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#



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

