

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\  
 Data File : VX017213.D  
 Acq On : 07 Jul 2020 18:54  
 Operator : JC/SP  
 Sample : L3234-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-3

Quant Time: Jul 08 01:55:08 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  | 258609   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 424717   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 432963   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 241557   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.04   | 65  | 167166   | 52.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.86% |      |
| 35) Dibromofluoromethane  | 5.47   | 113 | 144333   | 53.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.44% |      |
| 50) Toluene-d8            | 8.70   | 98  | 518771   | 52.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.44% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 224964   | 57.93 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 115.86% |      |

## Target Compounds

|                                |       |     |        |           | Qvalue |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| 8) Diethyl Ether               | 2.15  | 74  | 63     | 0.410     | ug/l # | 1   |
| 11) Tert butyl alcohol         | 3.01  | 59  | 2313   | 3.803     | ug/l # | 73  |
| 13) Acrolein                   | 2.25  | 56  | 2597   | 7.143     | ug/l # | 1   |
| 14) Allyl chloride             | 2.82  | 41  | 5906   | 1.249     | ug/l # | 56  |
| 15) Acrylonitrile              | 3.15  | 53  | 1264   | 0.865     | ug/l # | 49  |
| 16) Acetone                    | 2.42  | 43  | 3554   | 2.980     | ug/l   | 98  |
| 17) Carbon Disulfide           | 2.56  | 76  | 1956   | 0.297     | ug/l # | 84  |
| 18) Methyl Acetate             | 2.76  | 43  | 1010   | 0.324     | ug/l # | 59  |
| 20) Methylene Chloride         | 2.82  | 84  | 325    | Below Cal | #      | 54  |
| 25) 2-Butanone                 | 4.65  | 43  | 1558   | 0.784     | ug/l # | 84  |
| 30) Chloroform                 | 5.27  | 83  | 2480   | 0.486     | ug/l # | 18  |
| 31) Cyclohexane                | 5.56  | 56  | 27377  | 6.360     | ug/l   | 91  |
| 36) 1,1-Dichloropropene        | 5.63  | 75  | 18245  | 4.545     | ug/l # | 51  |
| 38) Carbon Tetrachloride       | 5.63  | 117 | 26454  | 5.983     | ug/l # | 17  |
| 39) Methylcyclohexane          | 7.45  | 83  | 5133   | 1.149     | ug/l   | 91  |
| 40) Benzene                    | 6.12  | 78  | 14727  | 1.249     | ug/l   | 97  |
| 44) Trichloroethene            | 7.20  | 130 | 913    | Below Cal |        | 63  |
| 49) 1,4-Dioxane                | 7.83  | 88  | 20     | 0.275     | ug/l # | 1   |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43  | 1893   | 0.469     | ug/l # | 74  |
| 52) Toluene                    | 8.76  | 92  | 83149  | 11.292    | ug/l   | 99  |
| 59) 2-Hexanone                 | 9.48  | 43  | 752    | 0.255     | ug/l   | 68  |
| 67) Ethyl Benzene              | 10.24 | 91  | 542987 | 36.385    | ug/l   | 98  |
| 68) m/p-Xylenes                | 10.34 | 106 | 339141 | 59.186    | ug/l   | 98  |
| 69) o-Xylene                   | 10.68 | 106 | 131213 | 24.071    | ug/l   | 98  |
| 70) Styrene                    | 10.68 | 104 | 7252   | 0.781     | ug/l # | 1   |
| 73) Isopropylbenzene           | 11.00 | 105 | 75649  | 4.781     | ug/l   | 97  |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75  | 109584 | 23.070    | ug/l # | 38  |
| 78) n-propylbenzene            | 11.34 | 91  | 136714 | 7.641     | ug/l   | 100 |
| 79) 2-Chlorotoluene            | 11.42 | 91  | 15923  | 1.470     | ug/l # | 41  |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105 | 33924  | 2.585     | ug/l   | 99  |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75  | 109584 | 59.743    | ug/l # | 13  |
| 82) 4-Chlorotoluene            | 11.42 | 91  | 15923  | 1.230     | ug/l # | 46  |
| 83) tert-Butylbenzene          | 12.01 | 119 | 3066   | 0.238     | ug/l   | 75  |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105 | 224111 | 16.832    | ug/l   | 99  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\  
Data File : VX017213.D  
Acq On : 07 Jul 2020 18:54  
Operator : JC/SP  
Sample : L3234-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 24 Sample Multiplier: 1

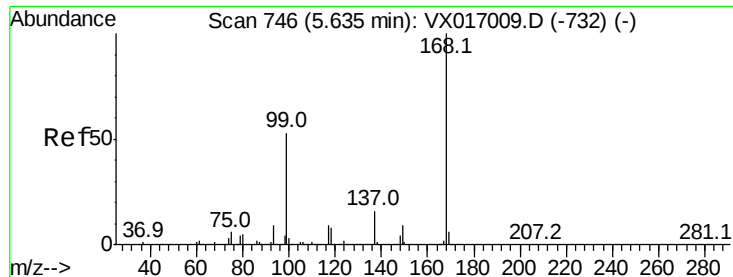
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

Quant Time: Jul 08 01:55:08 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) |
|-------------------------|-------|------|----------|-----------|--------|----------|
| 85) sec-Butylbenzene    | 11.79 | 105  | 224111   | 14.799    | ug/l # | 55       |
| 88) 1,4-Dichlorobenzene | 12.02 | 146  | 253      | Below Cal |        | 88       |
| 89) n-Butylbenzene      | 12.37 | 91   | 4319     | 0.343     | ug/l # | 43       |
| 90) Hexachloroethane    | 12.74 | 117  | 25183    | 9.058     | ug/l # | 10       |
| 95) Naphthalene         | 13.82 | 128  | 87015    | 5.680     | ug/l   | 100      |

(#) = 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. -0.00 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

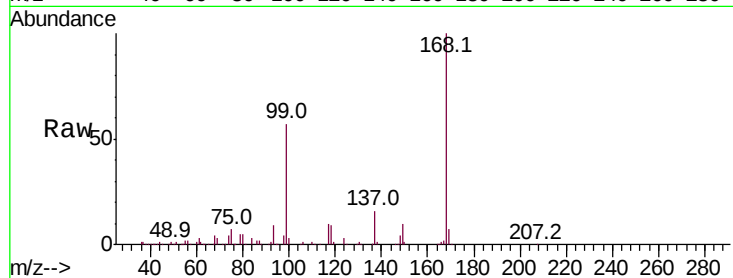
MW-3

Tot Ion:168 Resp: 258609

Ion Ratio Lower Upper

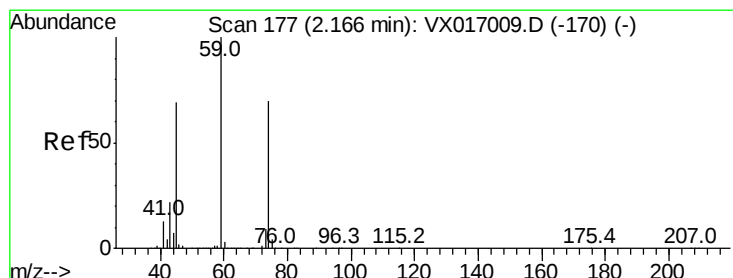
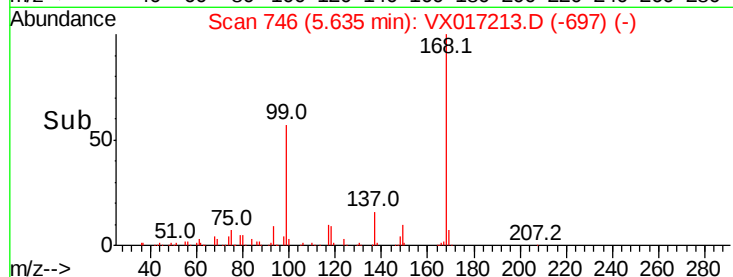
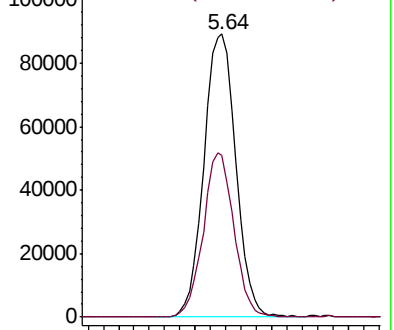
168 100

99 57.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.410 ug/l

RT: 2.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VX017213.D

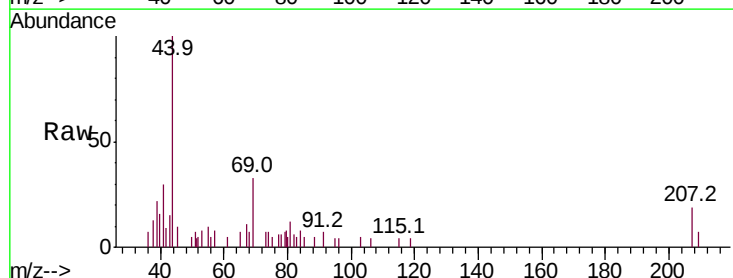
Acq: 07 Jul 2020 18:54

Tgt Ion: 74 Resp: 63

Ion Ratio Lower Upper

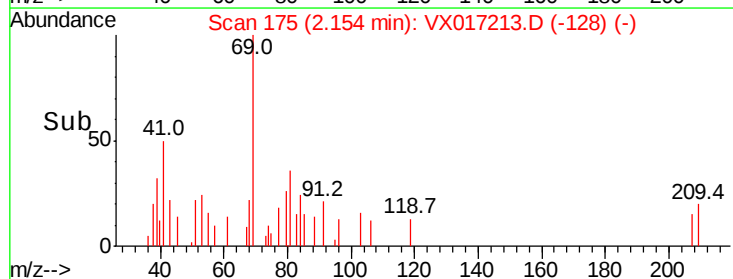
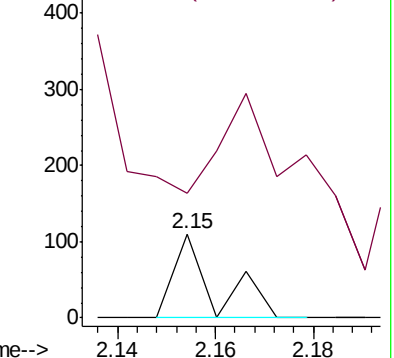
74 100

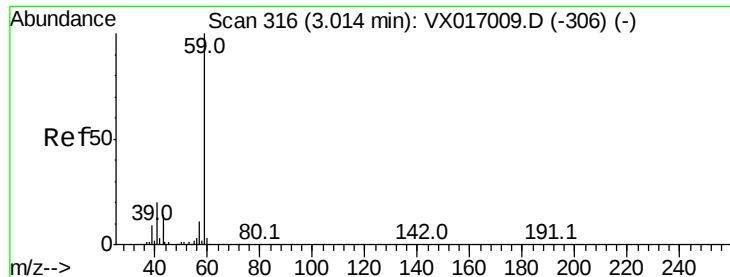
45 446.0 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

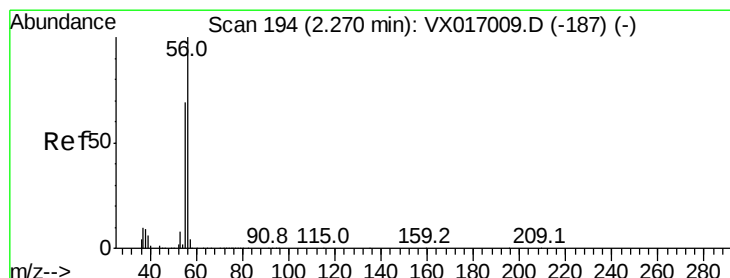
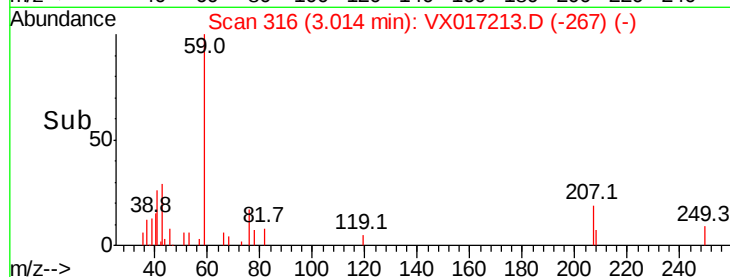
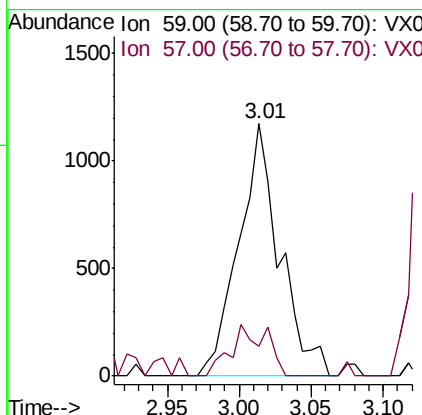
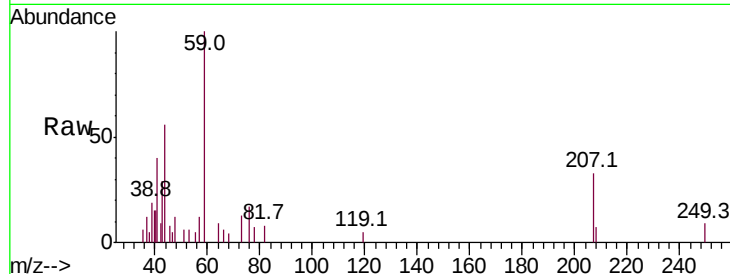




#11  
Tert butyl alcohol  
Concen: 3.803 ug/l  
RT: 3.01 min Scan# 316  
Delta R.T. -0.00 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

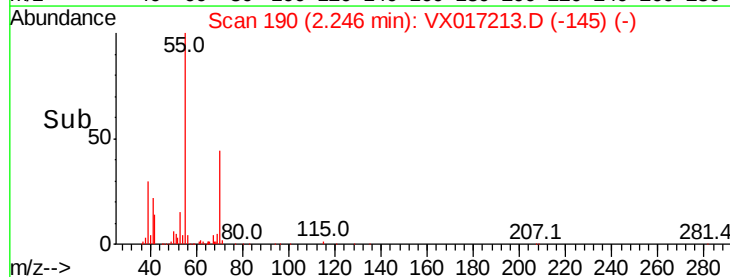
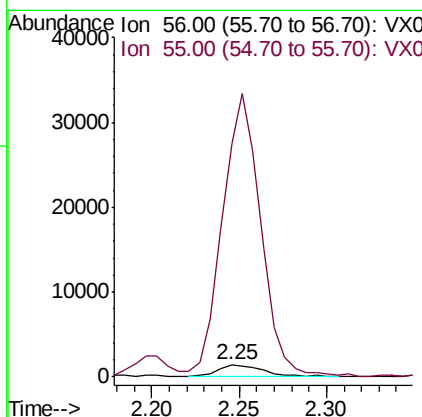
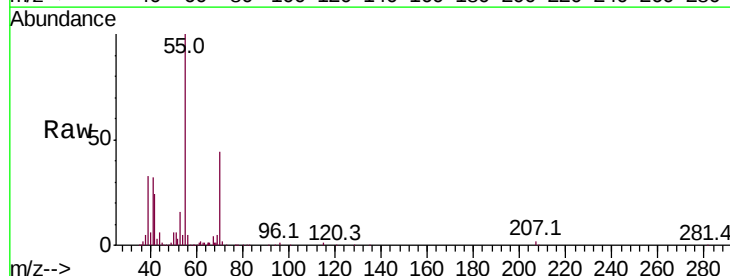
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-3

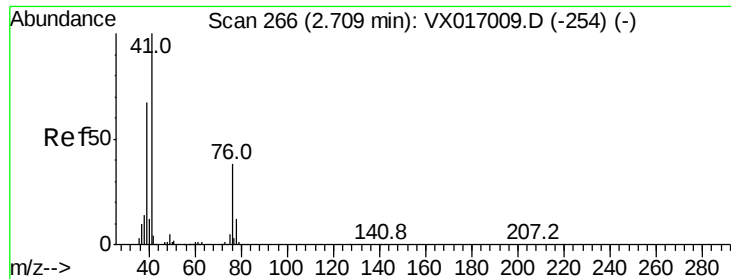
Tot Ion: 59 Resp: 2313  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#



#13  
Acrolein  
Concen: 7.143 ug/l  
RT: 2.25 min Scan# 190  
Delta R.T. -0.02 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 56 Resp: 2597  
Ion Ratio Lower Upper  
56 100  
55 1948.9 55.7 83.5#

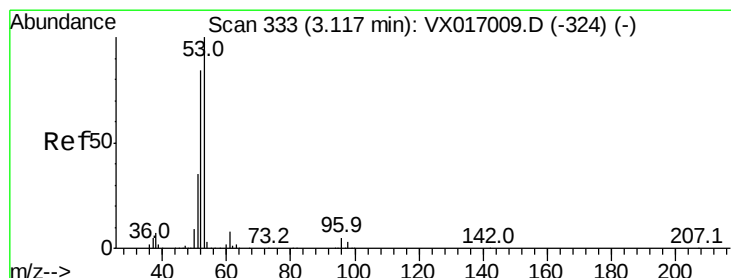
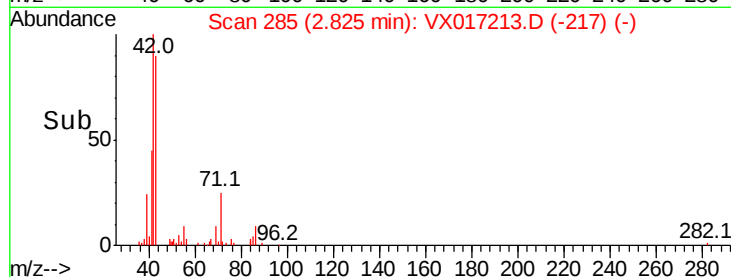
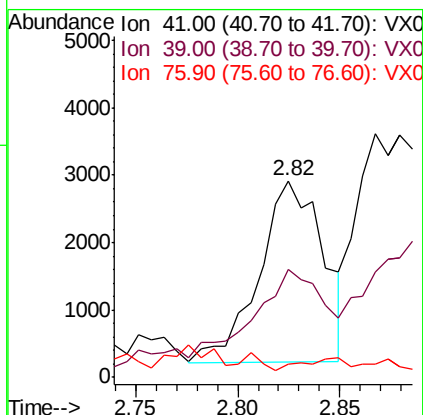
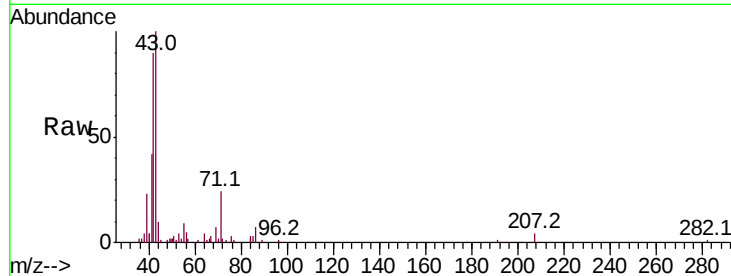




#14  
Allvl chloride  
Concen: 1.249 ug/l  
RT: 2.82 min Scan# 285  
Delta R.T. 0.12 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

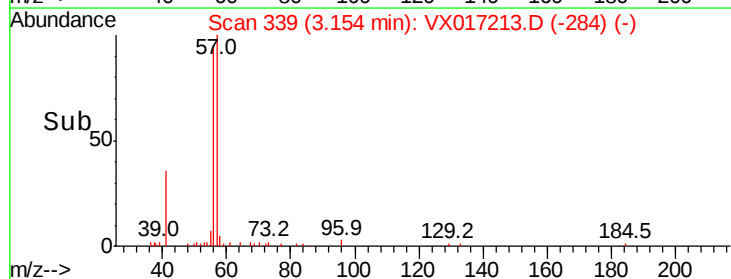
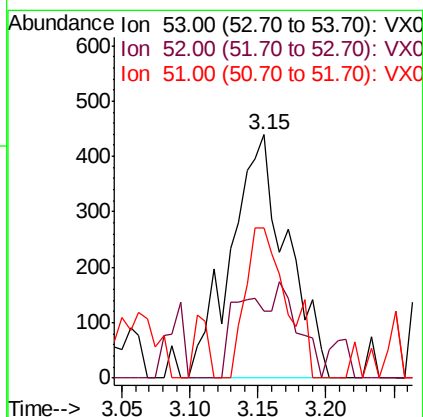
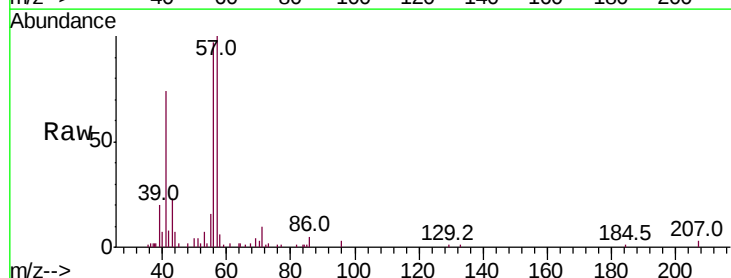
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-3

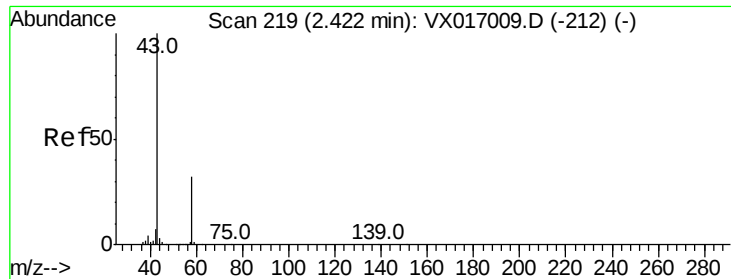
Tot Ion: 41 Resp: 5906  
Ion Ratio Lower Upper  
41 100  
39 89.5 49.4 74.2#  
76 0.0 26.8 40.2#



#15  
Acrylonitrile  
Concen: 0.865 ug/l  
RT: 3.15 min Scan# 339  
Delta R.T. 0.04 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 53 Resp: 1264  
Ion Ratio Lower Upper  
53 100  
52 23.3 65.6 98.4#  
51 45.3 28.3 42.5#





#16

Acetone

Concen: 2.980 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

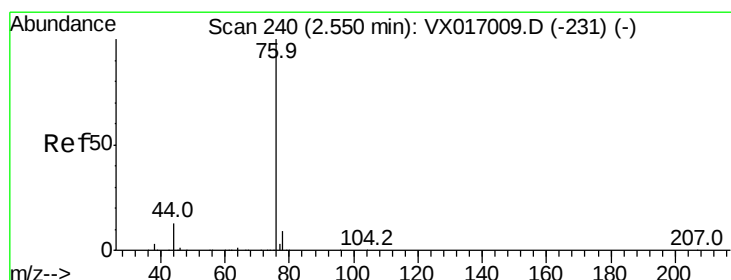
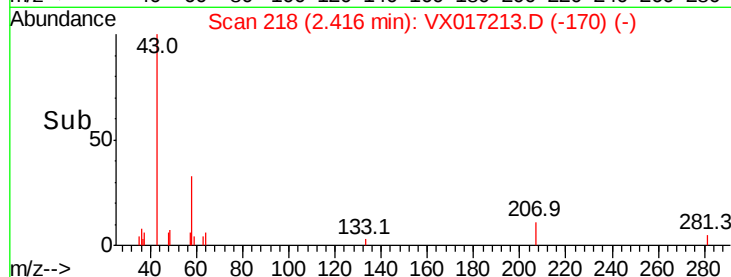
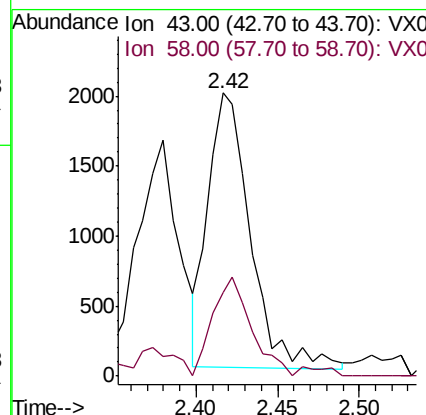
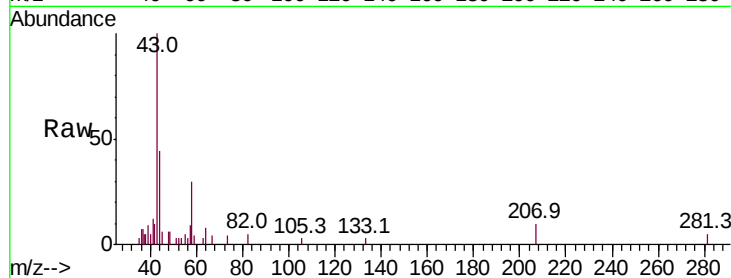
MW-3

Tot Ion: 43 Resp: 3554

Ion Ratio Lower Upper

43 100

58 31.0 25.7 38.5



#17

Carbon Disulfide

Concen: 0.297 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017213.D

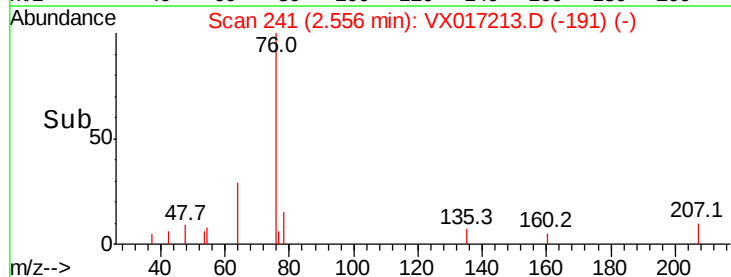
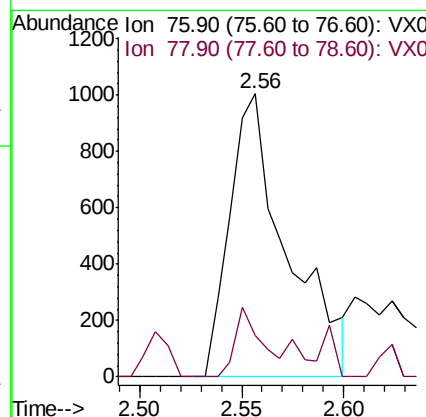
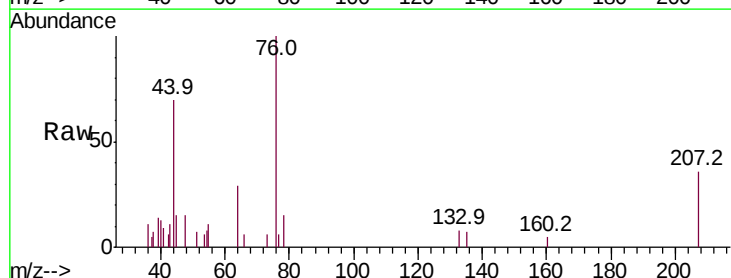
Acq: 07 Jul 2020 18:54

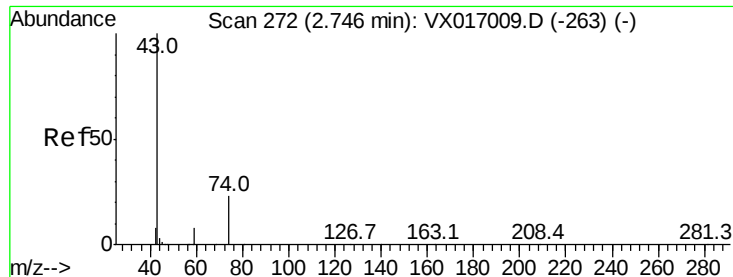
Tgt Ion: 76 Resp: 1956

Ion Ratio Lower Upper

76 100

78 14.7 7.2 10.8#

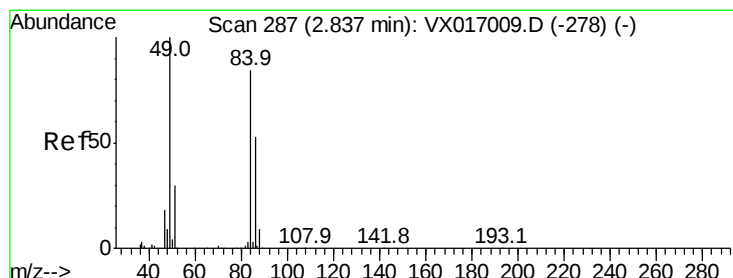
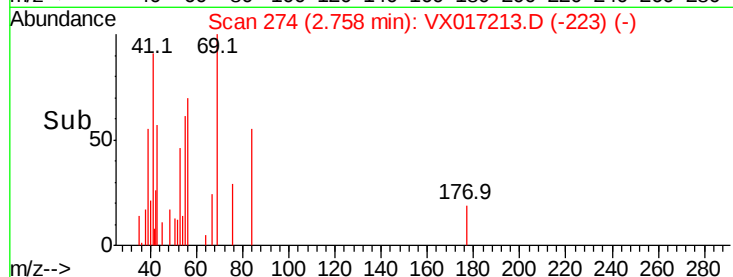
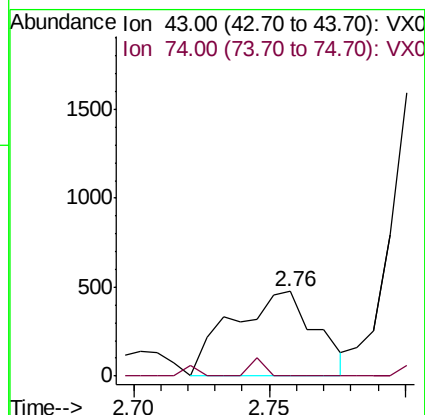
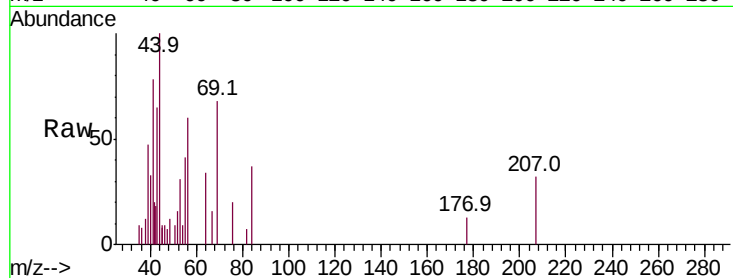




#18  
Methyl Acetate  
Concen: 0.324 ug/l  
RT: 2.76 min Scan# 274  
Delta R.T. 0.01 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

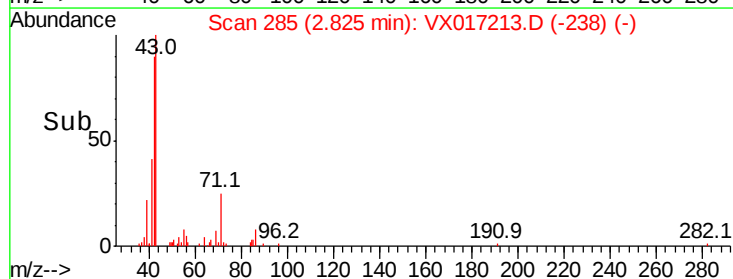
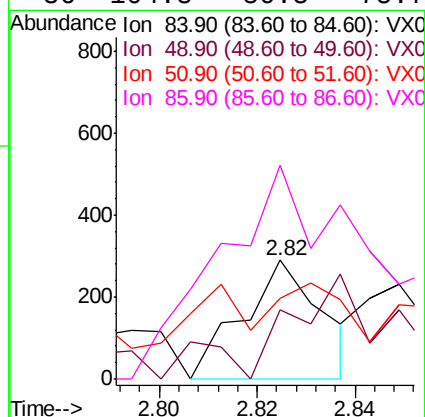
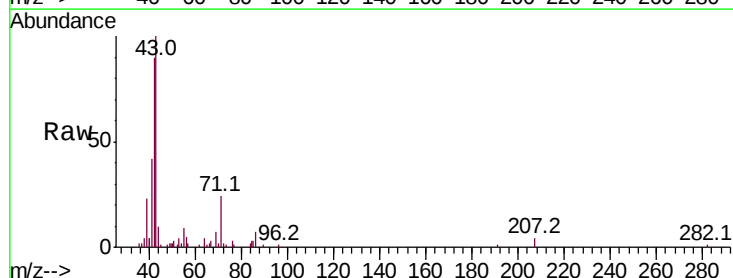
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-3

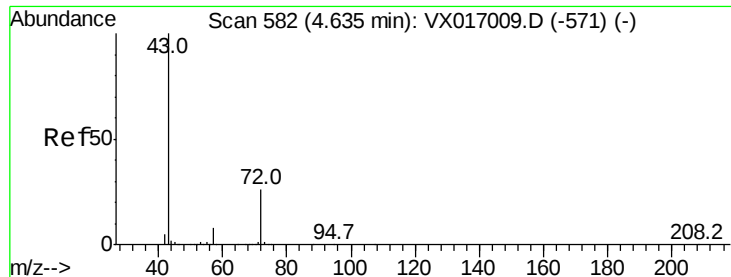
Tot Ion: 43 Resp: 1010  
Ion Ratio Lower Upper  
43 100  
74 3.9 19.3 28.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.82 min Scan# 285  
Delta R.T. -0.01 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 84 Resp: 325  
Ion Ratio Lower Upper  
84 100  
49 70.6 94.7 142.1#  
51 12.5 28.6 42.8#  
86 104.8 50.5 75.7#





#25

2-Butanone

Concen: 0.784 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampled :

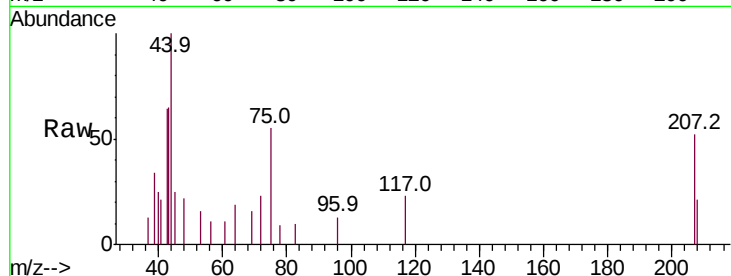
MW-3

Tot Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

72 17.9 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

800

600

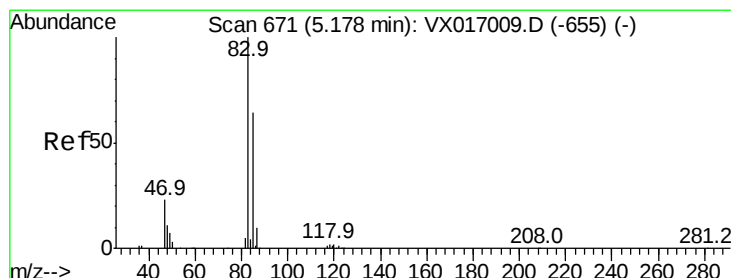
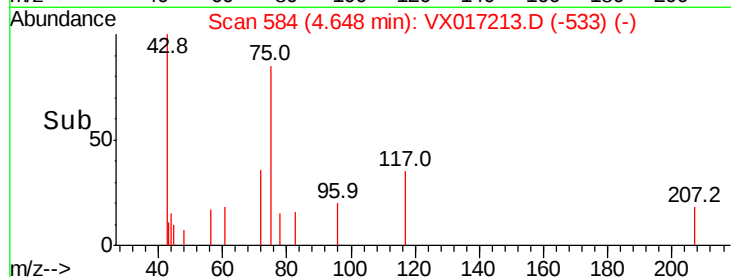
400

200

0

4.55 4.60 4.65 4.70 4.75

Time-->



#30

Chloroform

Concen: 0.486 ug/l

RT: 5.27 min Scan# 686

Delta R.T. 0.09 min

Lab File: VX017213.D

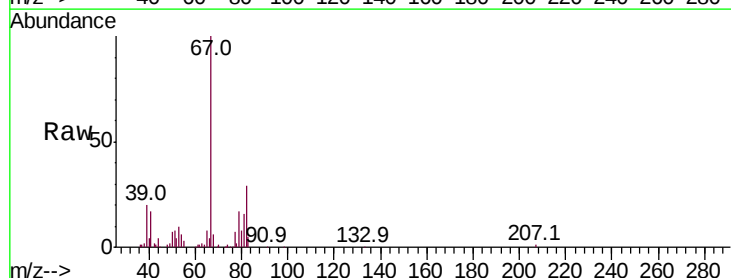
Acq: 07 Jul 2020 18:54

Tgt Ion: 83 Resp: 2480

Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

800

600

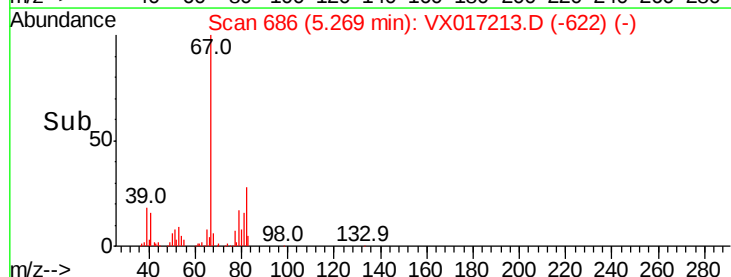
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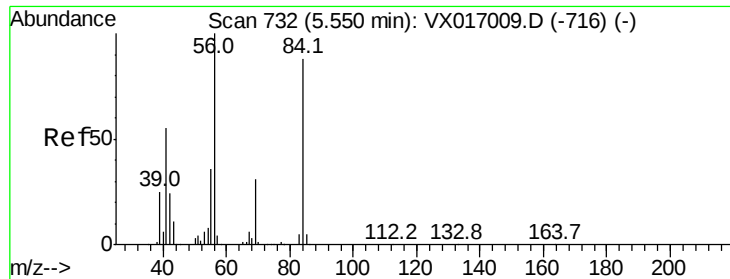
200

0

5.20 5.30

Time-->

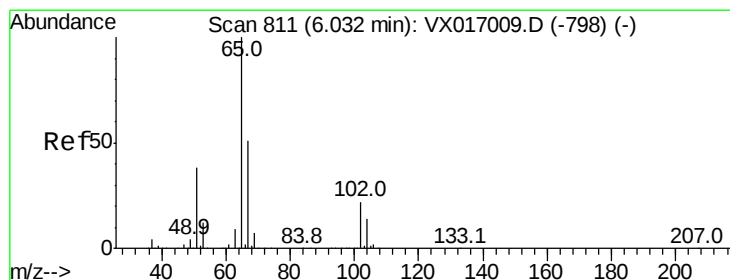
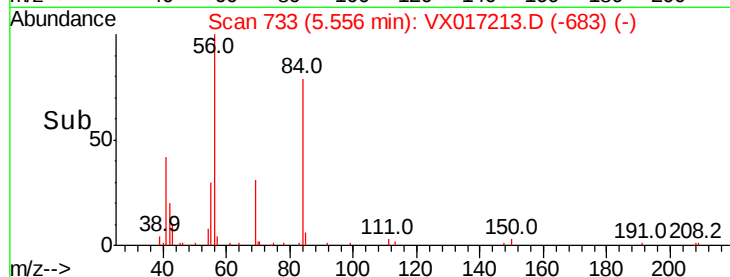
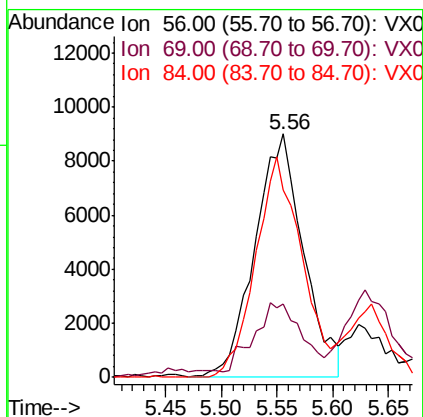
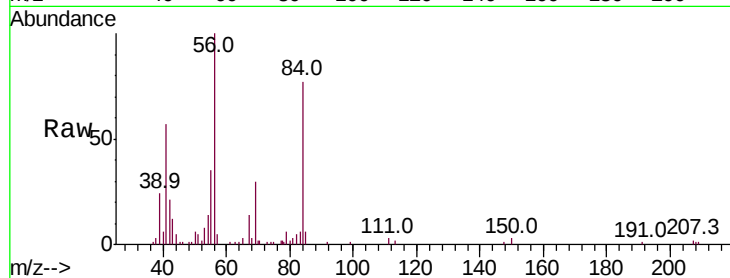




#31  
Cyclohexane  
Concen: 6.360 ug/l  
RT: 5.56 min Scan# 733  
Delta R.T. 0.01 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

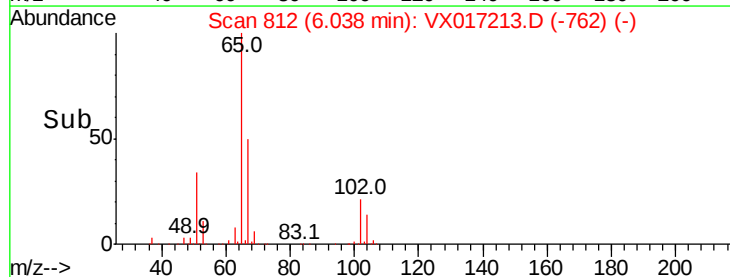
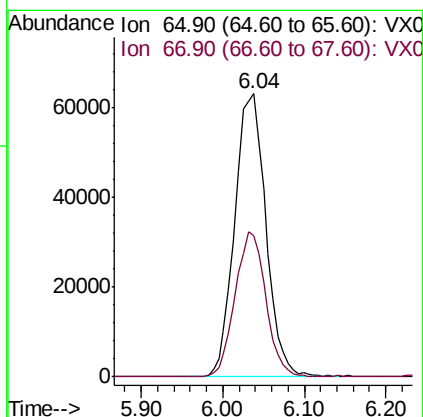
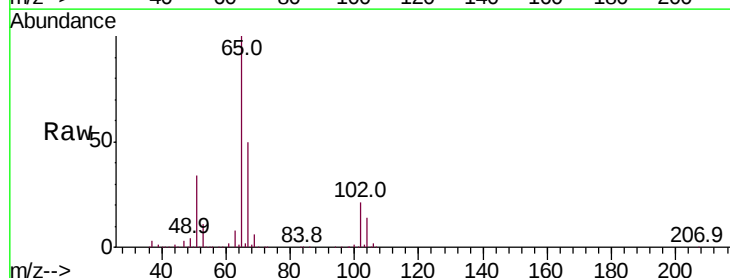
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-3

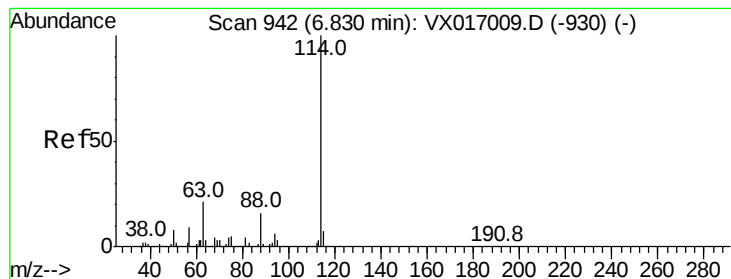
Tot Ion: 56 Resp: 27377  
Ion Ratio Lower Upper  
56 100  
69 27.9 25.0 37.4  
84 77.1 69.1 103.7



#33  
1,2-Dichloroethane-d4  
Concen: 52.434 ug/l  
RT: 6.04 min Scan# 812  
Delta R.T. 0.01 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 65 Resp: 167166  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

MW-3

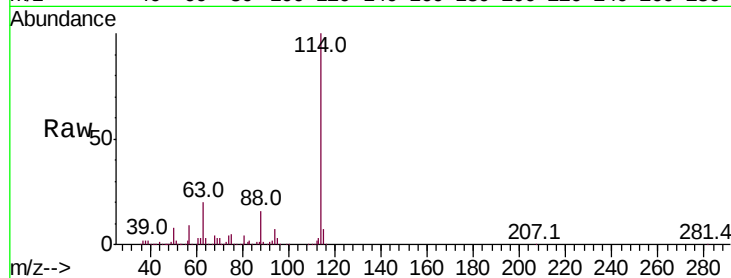
Tot Ion:114 Resp: 424717

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

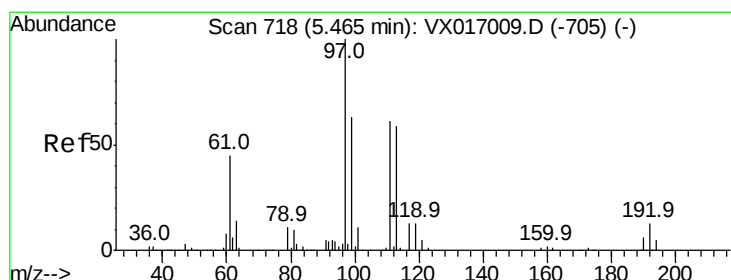
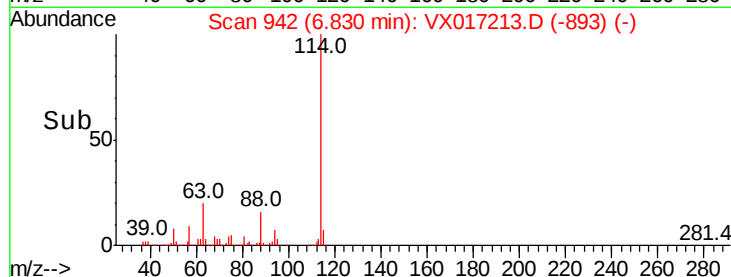
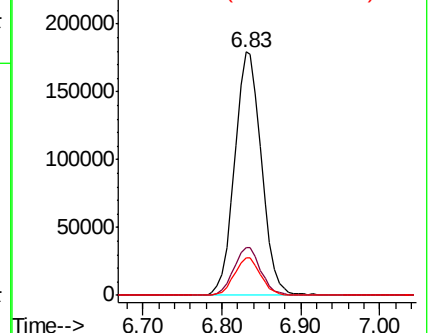
88 15.6 0.0 32.4



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



#35

Dibromofluoromethane

Concen: 53.723 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

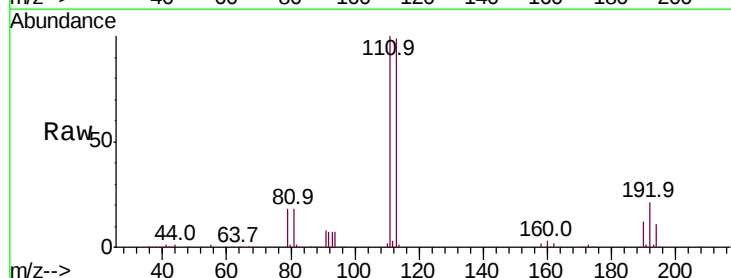
Tgt Ion:113 Resp: 144333

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

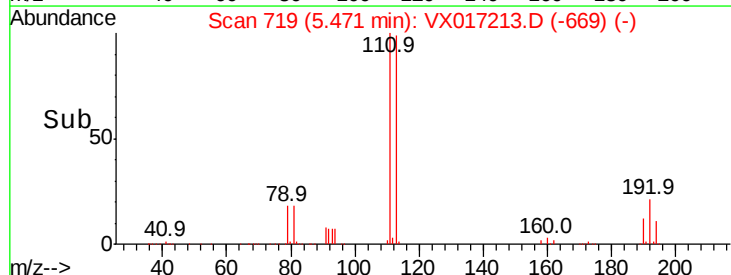
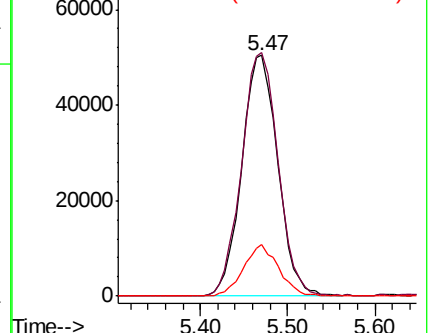
192 20.8 16.7 25.1

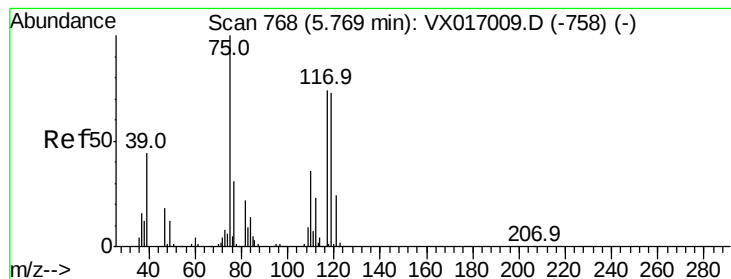


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.545 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

MW-3

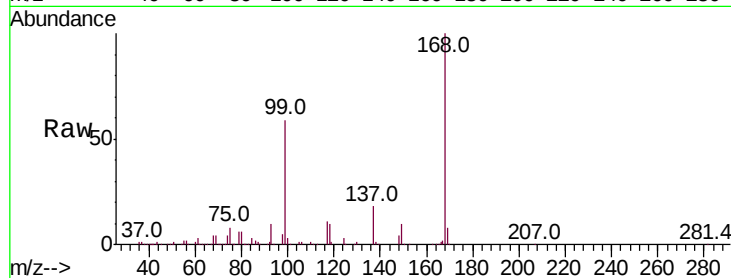
Tot Ion: 75 Resp: 18245

Ion Ratio Lower Upper

75 100

110 11.1 18.1 54.1#

77 0.3 24.6 37.0#



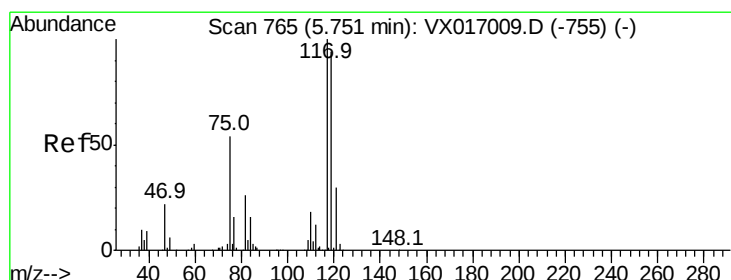
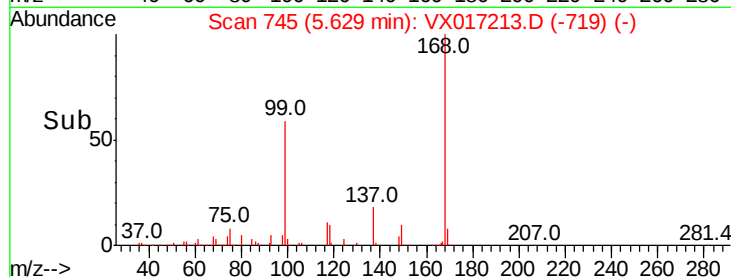
Abundance Ion 74.90 (74.60 to 75.60): VX017213.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX017213.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX017213.D (-719) (-)

5.63

Time-->



#38

Carbon Tetrachloride

Concen: 5.983 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

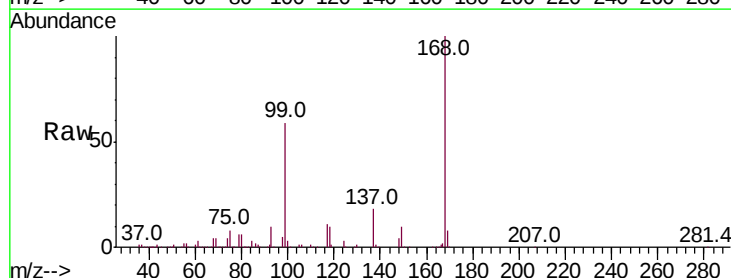
Tgt Ion: 117 Resp: 26454

Ion Ratio Lower Upper

117 100

119 5.4 75.4 113.0#

121 0.0 23.8 35.6#



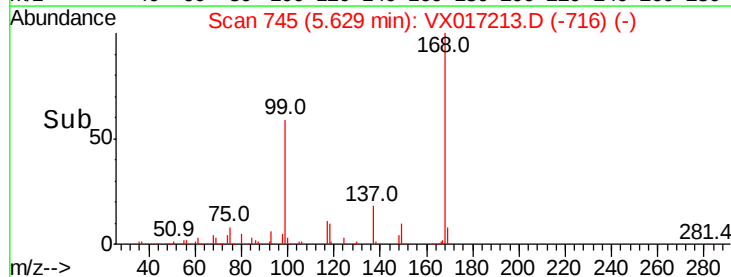
Abundance Ion 116.80 (116.50 to 117.50): VX017213.D (-716) (-)

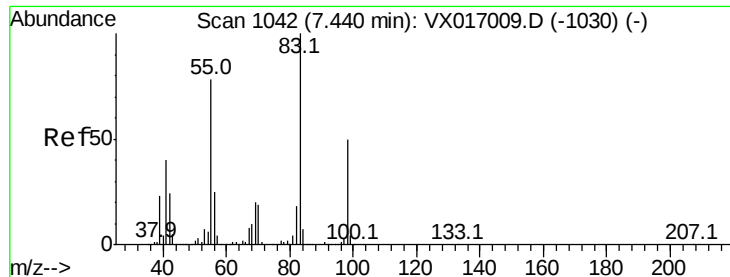
Ion 118.80 (118.50 to 119.50): VX017213.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX017213.D (-716) (-)

5.63

Time-->

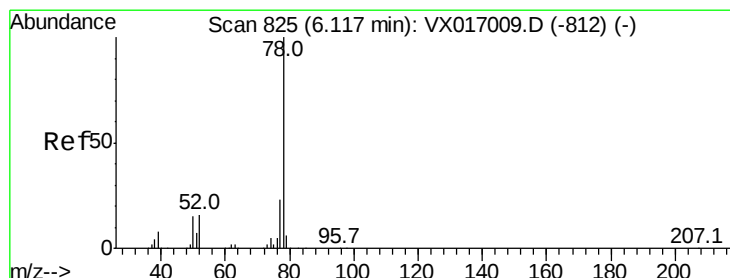
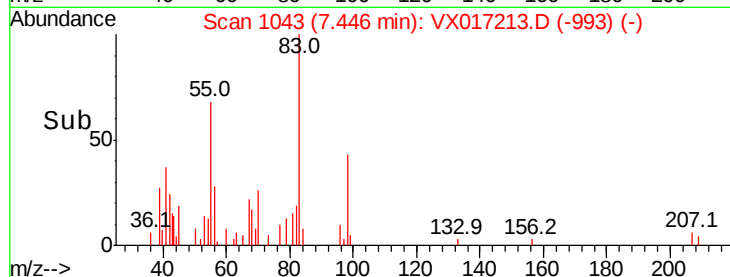
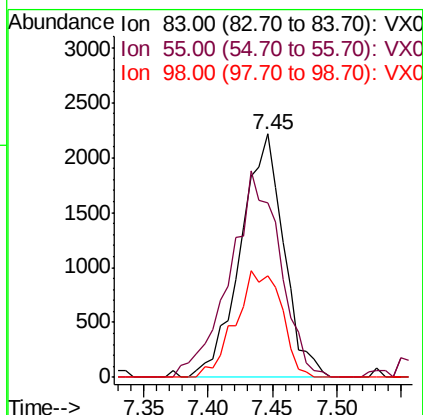
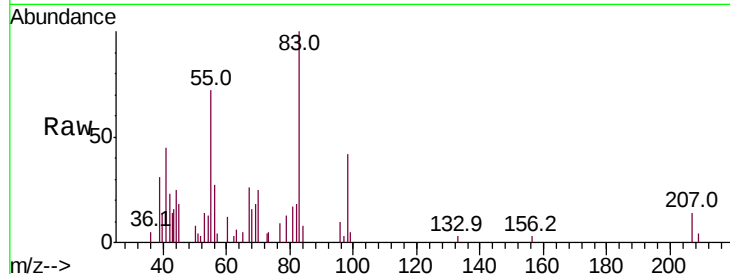




#39  
Methvlcvclohexane  
Concen: 1.149 ug/l  
RT: 7.45 min Scan# 1043  
Delta R.T. 0.01 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

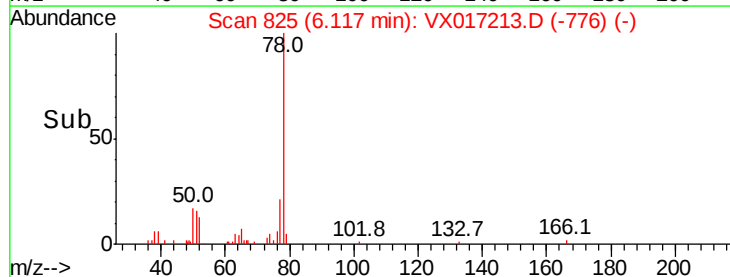
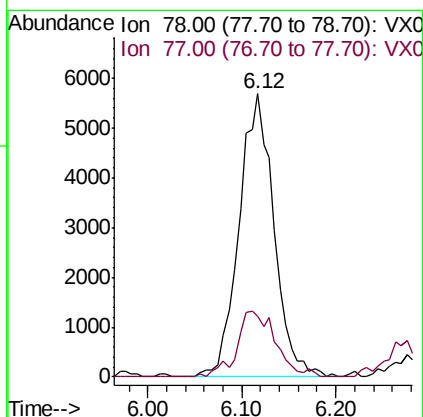
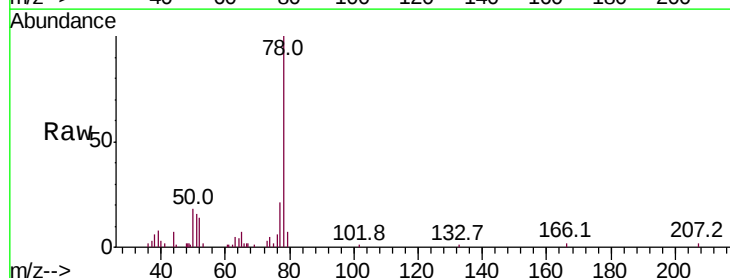
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

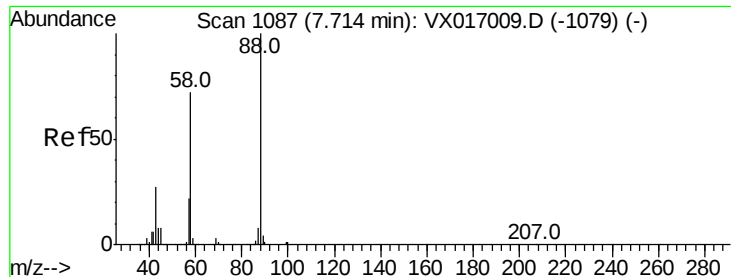
Tot Ion: 83 Resp: 5133  
Ion Ratio Lower Upper  
83 100  
55 71.8 62.5 93.7  
98 41.5 40.1 60.1



#40  
Benzene  
Concen: 1.249 ug/l  
RT: 6.12 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 78 Resp: 14727  
Ion Ratio Lower Upper  
78 100  
77 21.3 18.3 27.5





#49

1,4-Dioxane

Concen: 0.275 ug/l

RT: 7.83 min Scan# 1106

Delta R.T. 0.12 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampled :

MW-3

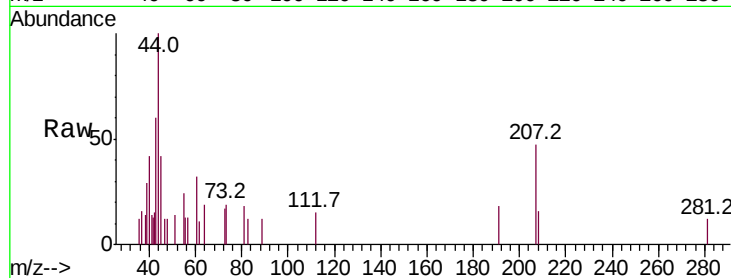
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 850.0 25.8 38.8#

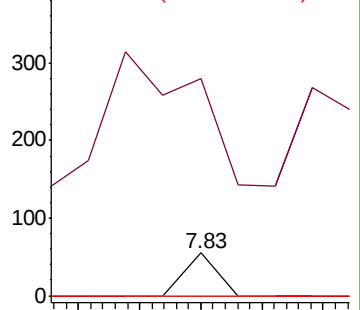
58 0.0 54.8 82.2#



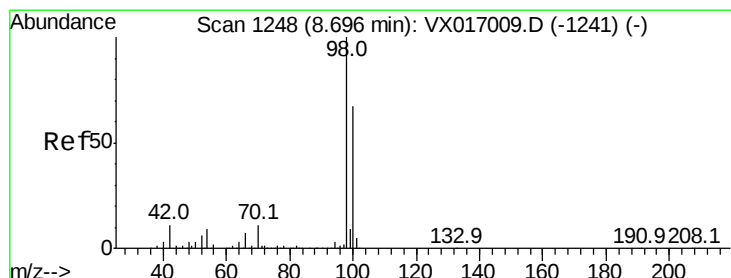
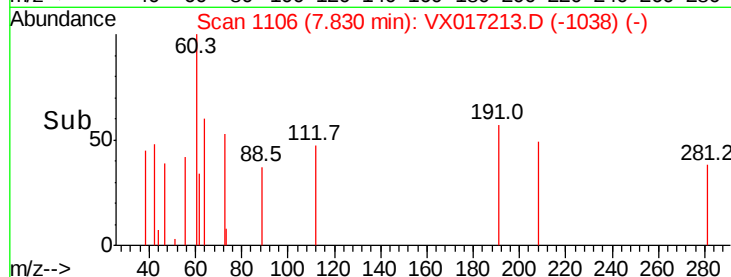
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 52.219 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017213.D

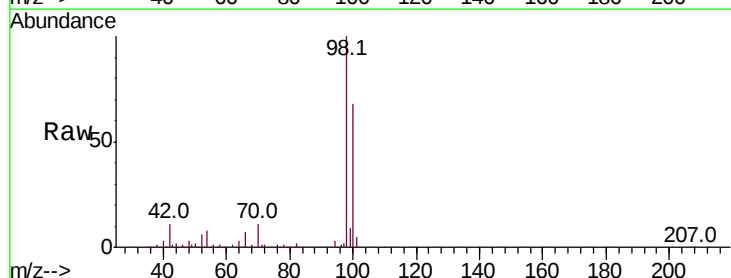
Acq: 07 Jul 2020 18:54

Tgt Ion: 98 Resp: 518771

Ion Ratio Lower Upper

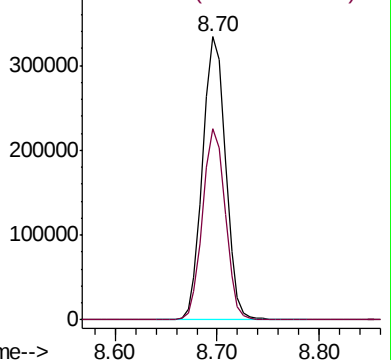
98 100

100 66.8 53.8 80.6

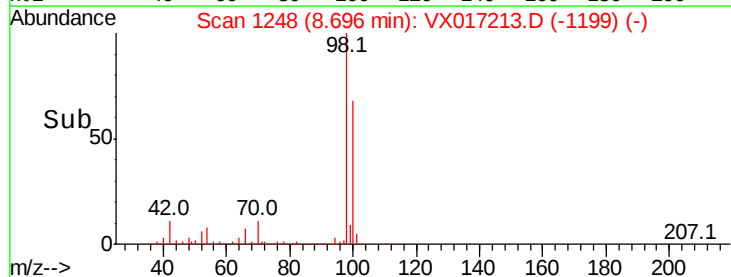


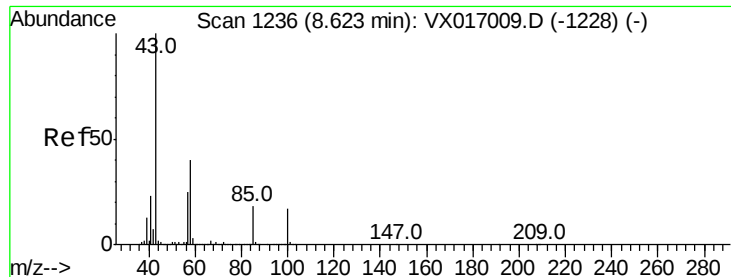
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.469 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

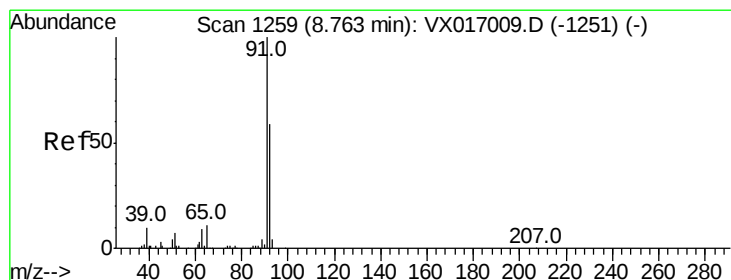
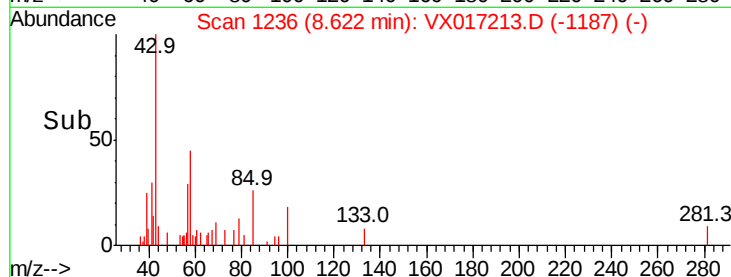
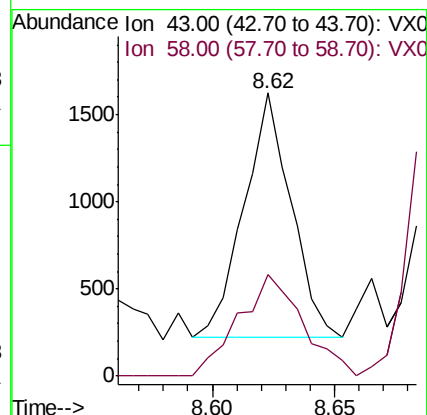
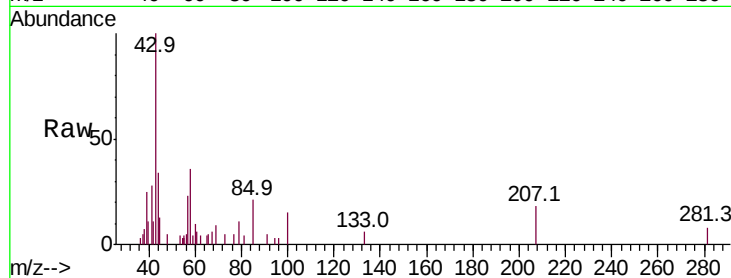
MW-3

Tot Ion: 43 Resp: 1893

Ion Ratio Lower Upper

43 100

58 56.0 31.9 47.9#



#52

Toluene

Concen: 11.292 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017213.D

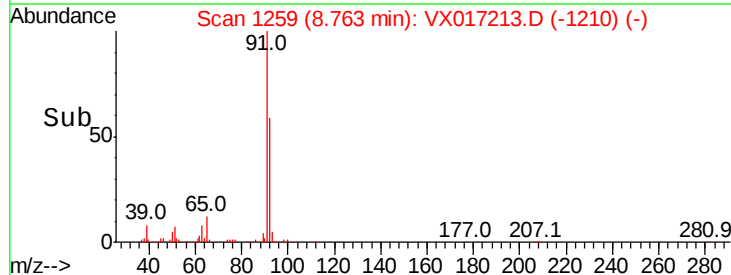
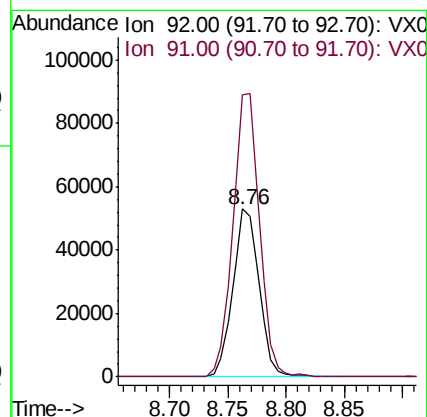
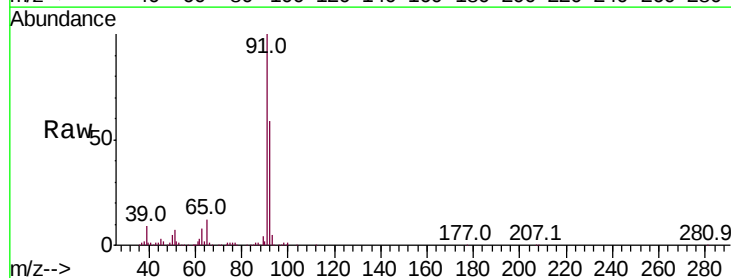
Acq: 07 Jul 2020 18:54

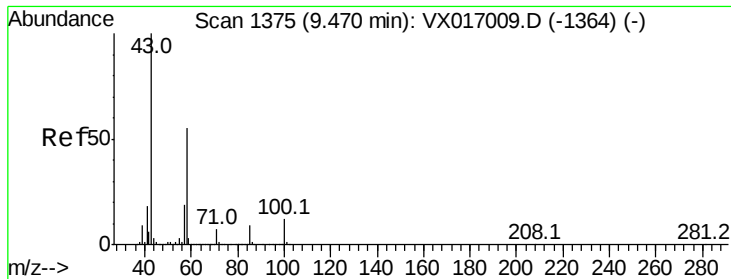
Tgt Ion: 92 Resp: 83149

Ion Ratio Lower Upper

92 100

91 170.2 136.9 205.3

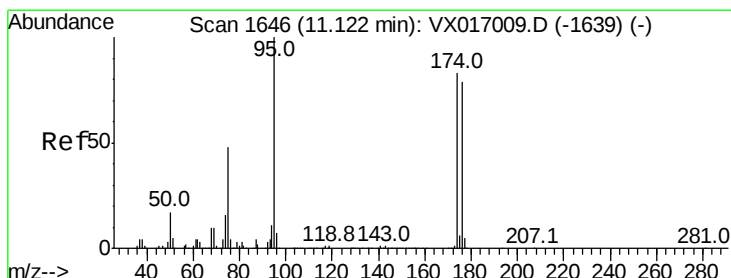
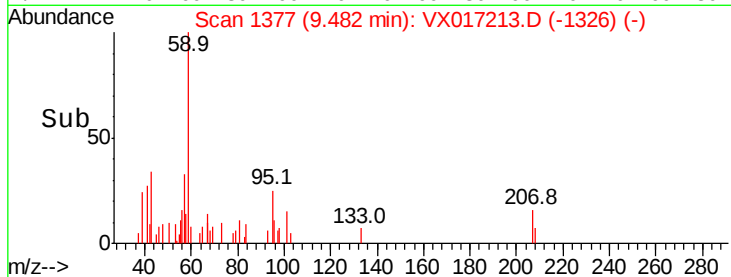
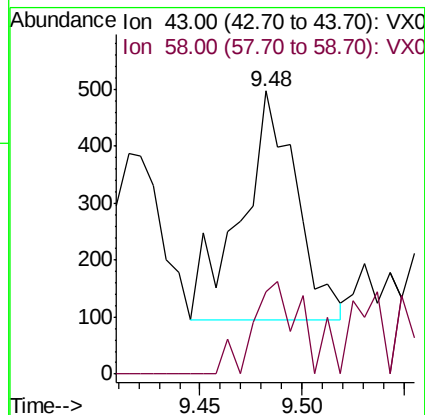
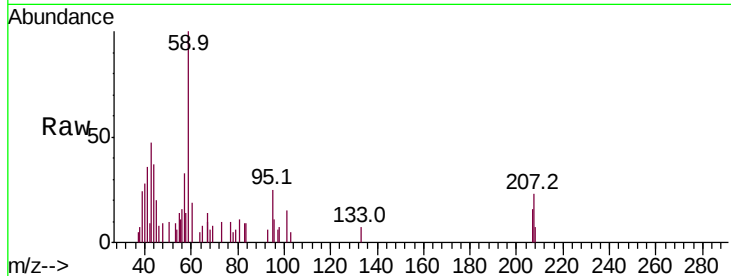




#59  
2-Hexanone  
Concen: 0.255 ug/l  
RT: 9.48 min Scan# 1377  
Delta R.T. 0.01 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

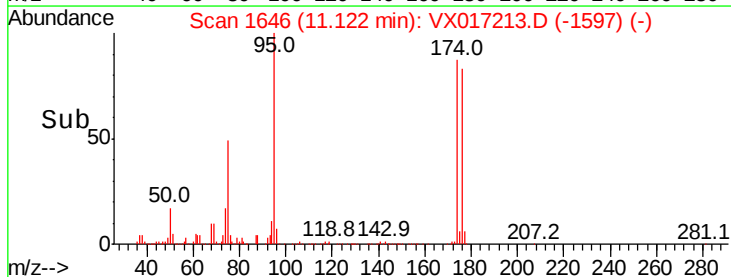
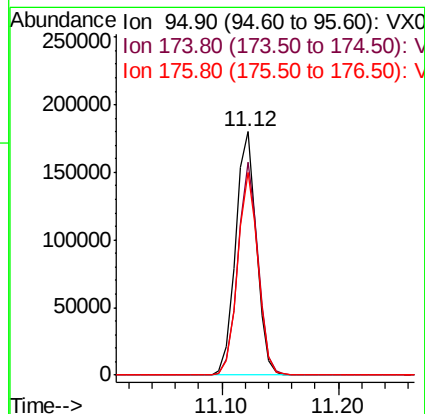
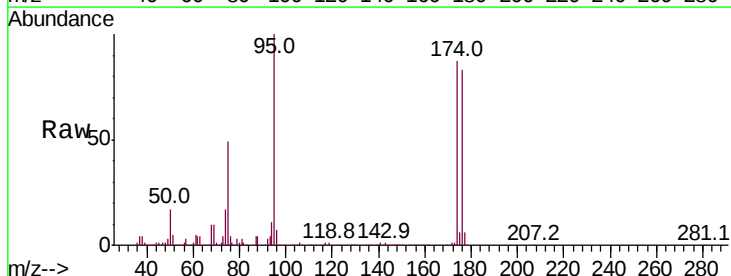
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-3

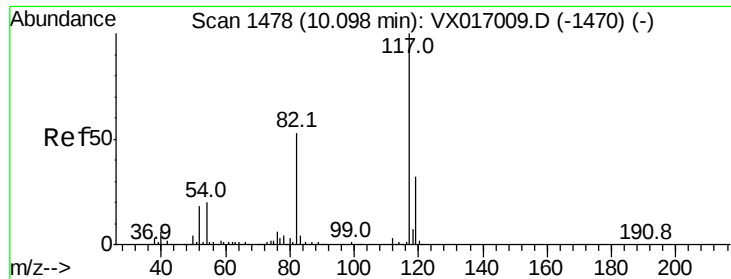
Tot Ion: 43 Resp: 752  
Ion Ratio Lower Upper  
43 100  
58 32.6 27.9 83.6



#62  
4-Bromofluorobenzene  
Concen: 57.927 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 95 Resp: 224964  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 164.0  
176 81.5 0.0 157.6

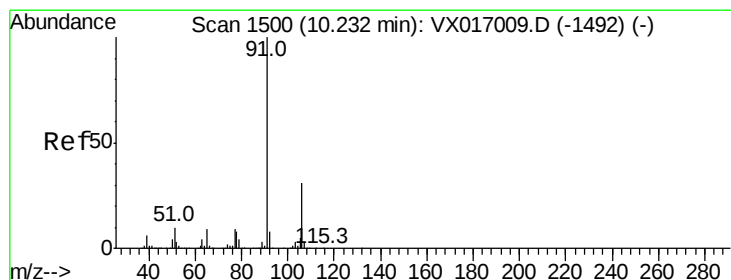
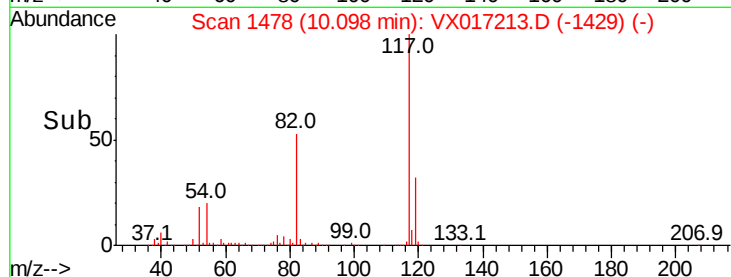
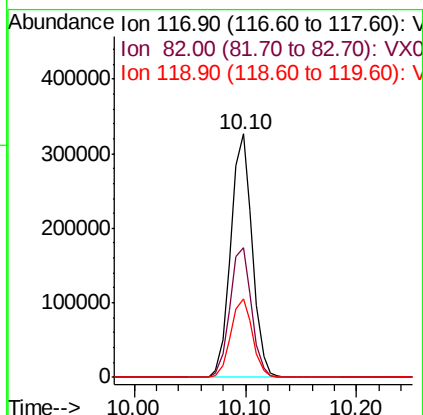
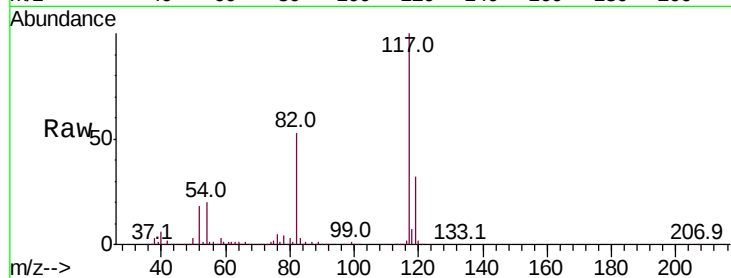




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

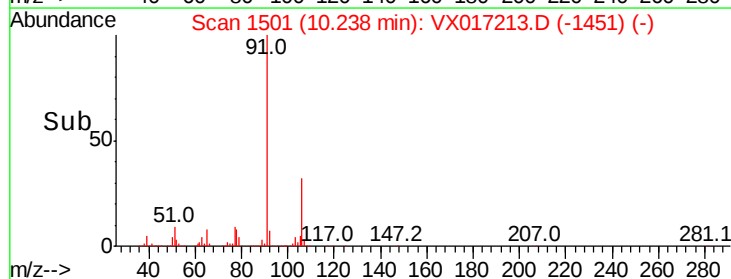
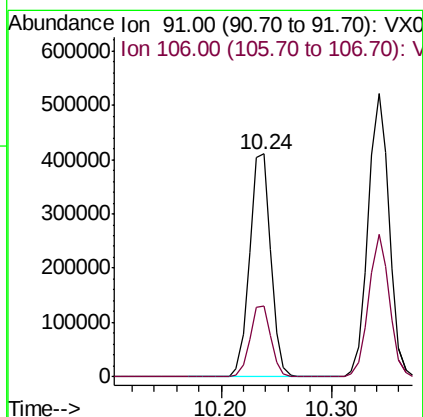
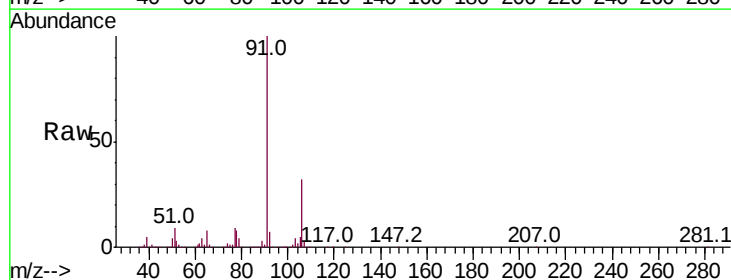
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

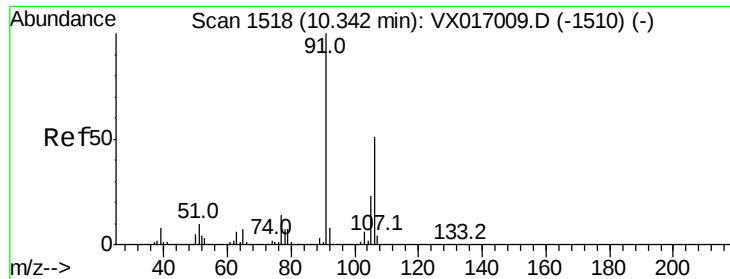
Tot Ion:117 Resp: 432963  
Ion Ratio Lower Upper  
117 100  
82 53.3 42.6 63.8  
119 32.4 25.4 38.2



#67  
Ethyl Benzene  
Concen: 36.385 ug/l  
RT: 10.24 min Scan# 1501  
Delta R.T. 0.01 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 91 Resp: 542987  
Ion Ratio Lower Upper  
91 100  
106 32.0 24.7 37.1





#68

m/p-Xylenes

Concen: 59.186 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

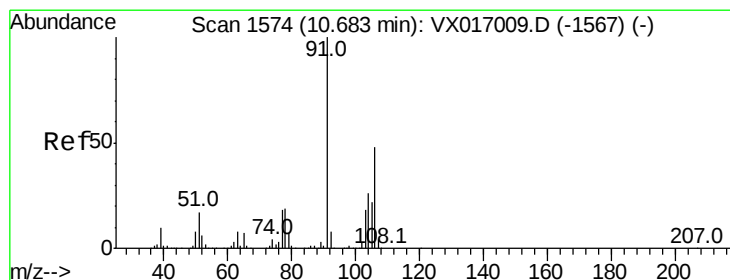
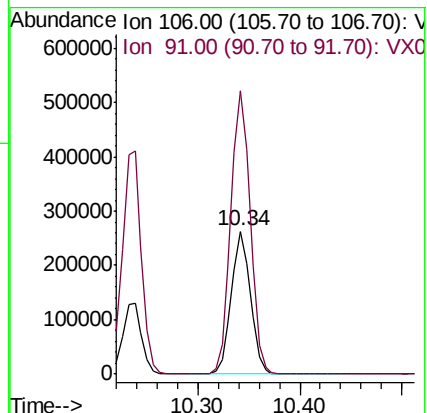
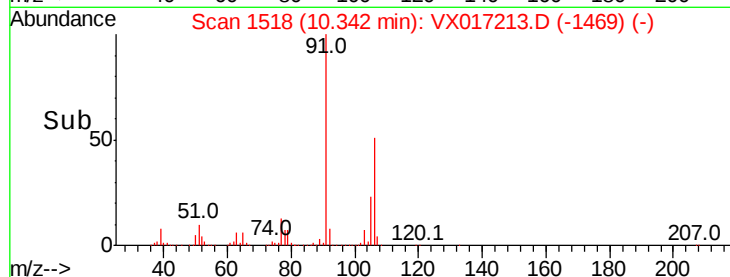
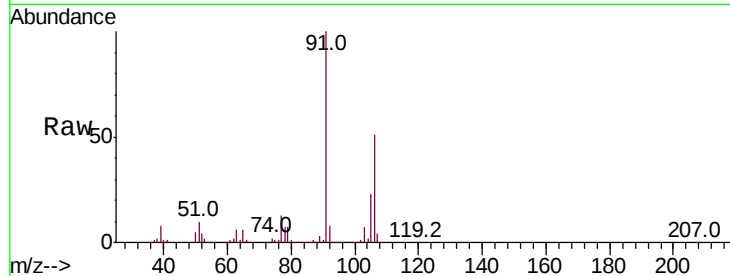
MW-3

Tot Ion:106 Resp: 339141

Ion Ratio Lower Upper

106 100

91 201.8 158.6 238.0



#69

o-Xylene

Concen: 24.071 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017213.D

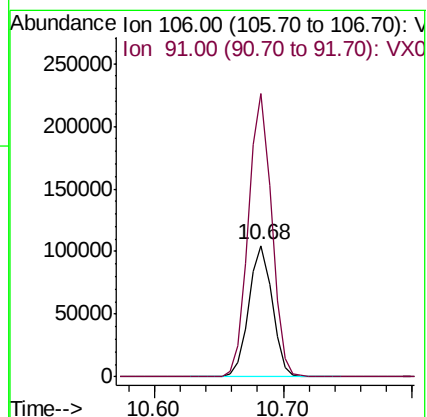
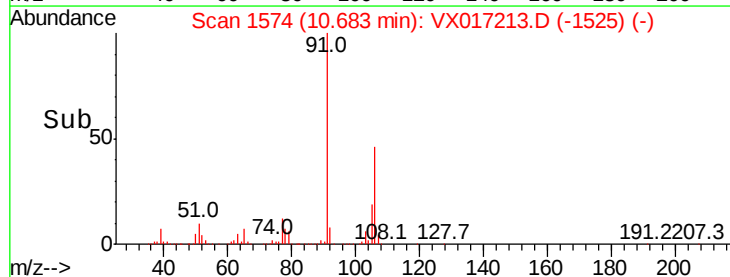
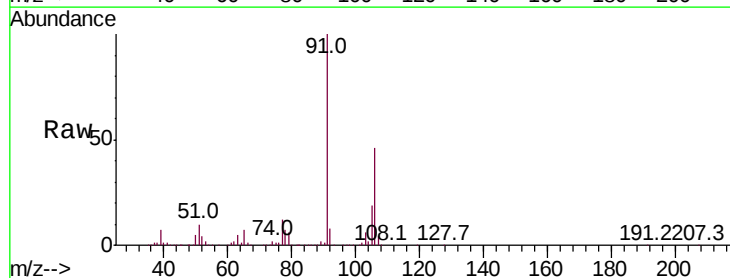
Acq: 07 Jul 2020 18:54

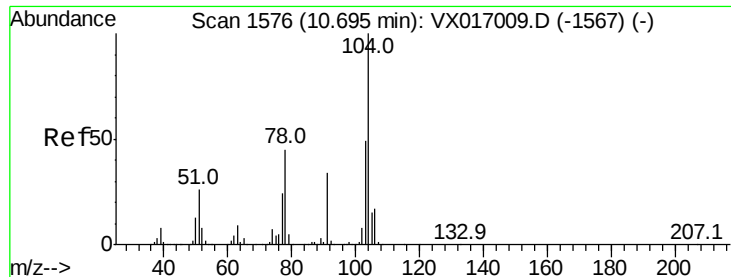
Tgt Ion:106 Resp: 131213

Ion Ratio Lower Upper

106 100

91 213.7 105.6 316.7

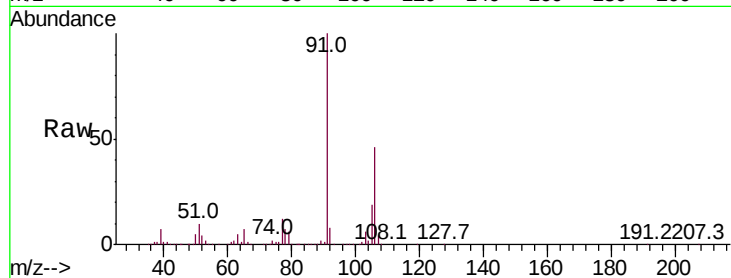




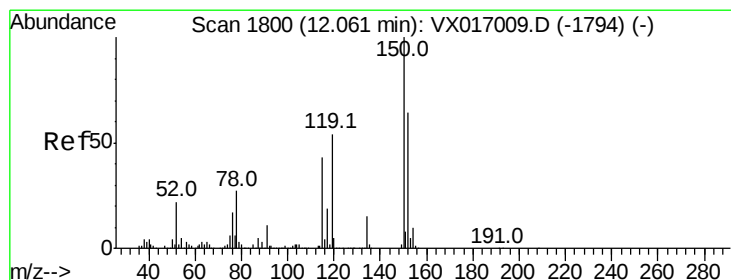
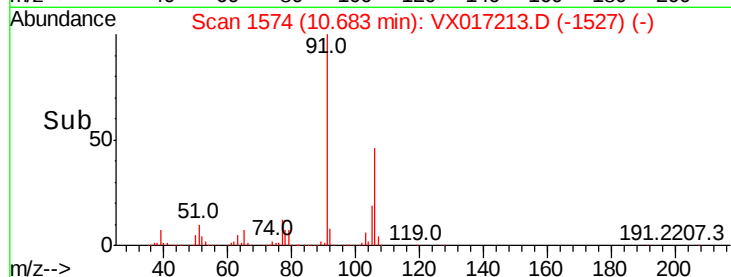
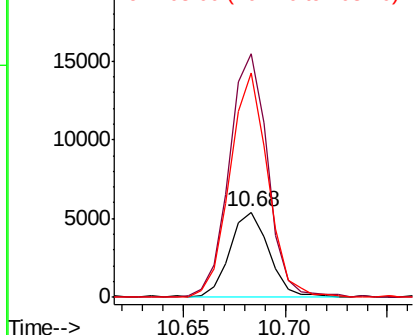
#70  
Stvrene  
Concen: 0.781 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

Tot Ion:104 Resp: 7252  
Ion Ratio Lower Upper  
104 100  
78 280.4 39.5 59.3#  
103 253.5 43.0 64.6#

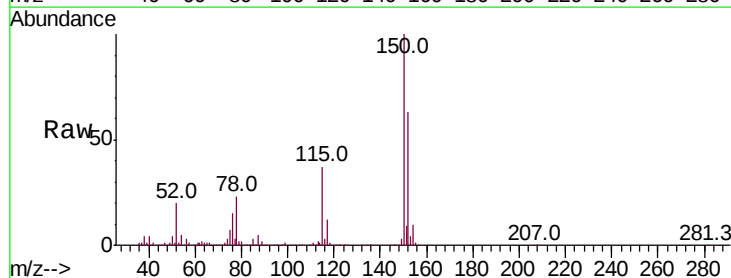


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V

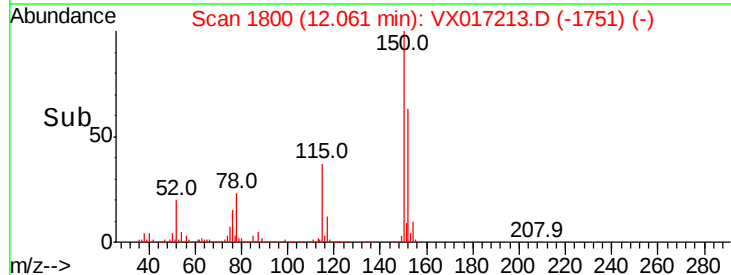
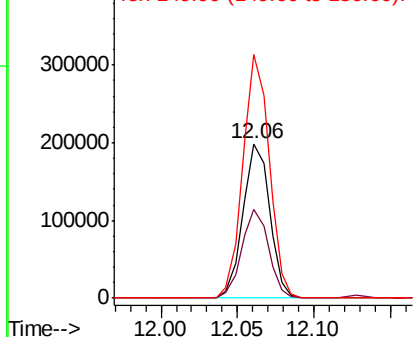


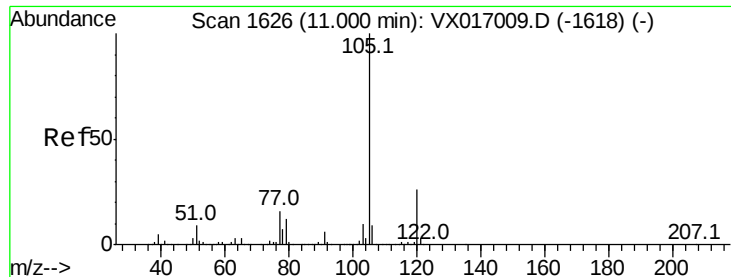
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion:152 Resp: 241557  
Ion Ratio Lower Upper  
152 100  
115 57.4 40.9 122.7  
150 155.1 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





#73

Isopropylbenzene

Concen: 4.781 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

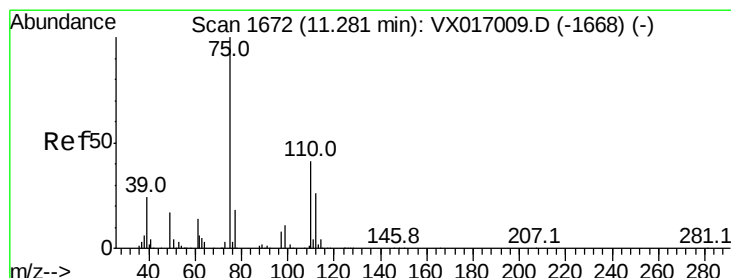
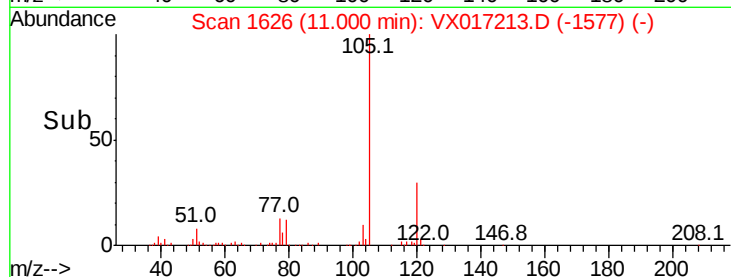
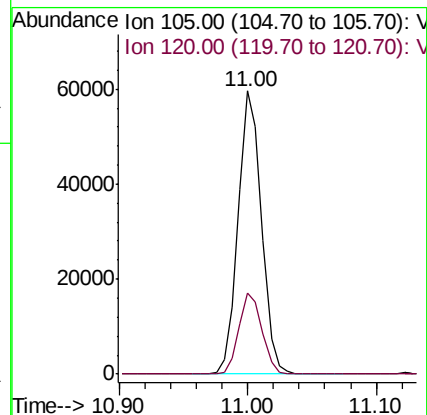
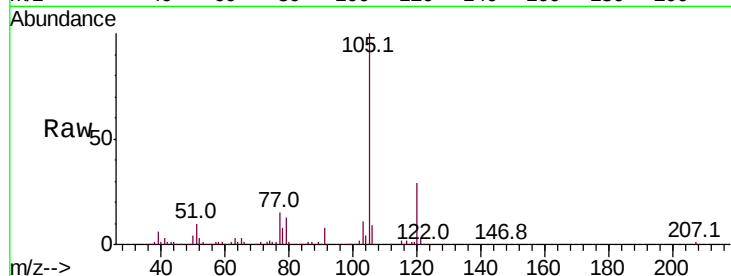
MW-3

Tot Ion:105 Resp: 75649

Ion Ratio Lower Upper

105 100

120 28.2 13.4 40.2



#76

1,2,3-Trichloropropane

Concen: 23.070 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017213.D

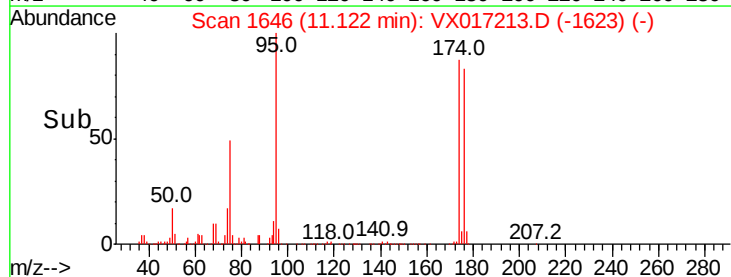
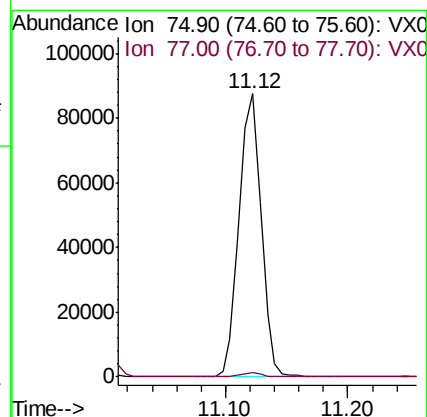
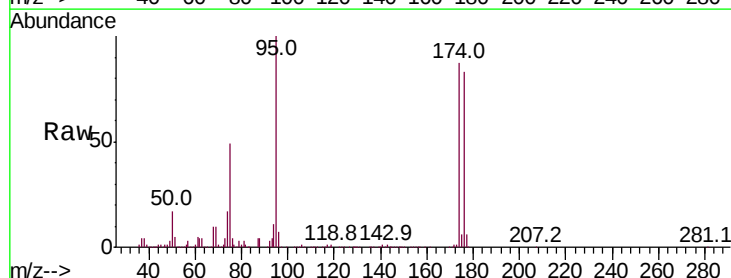
Acq: 07 Jul 2020 18:54

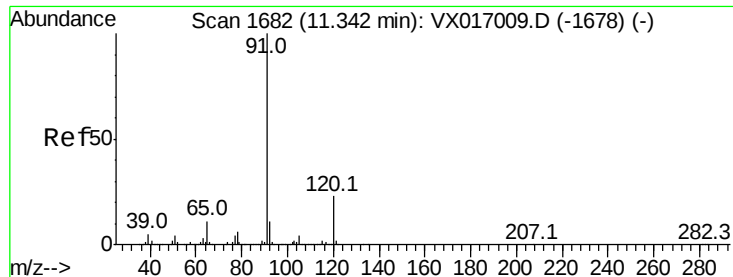
Tgt Ion: 75 Resp: 109584

Ion Ratio Lower Upper

75 100

77 1.6 20.2 60.6#





#78

n-propylbenzene

Concen: 7.641 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017213.D

Acq: 07 Jul 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

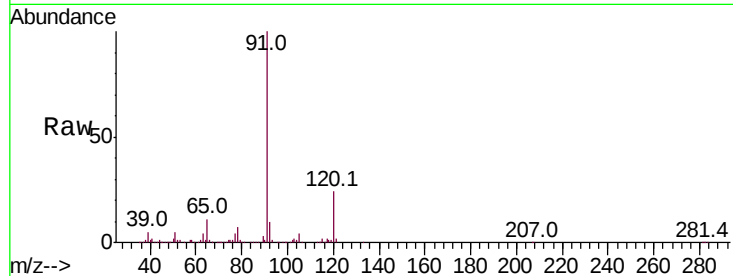
MW-3

Tot Ion: 91 Resp: 136714

Ion Ratio Lower Upper

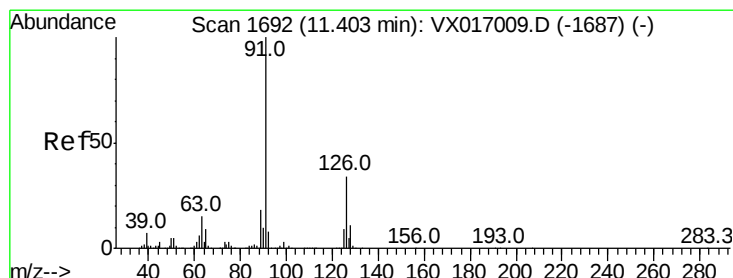
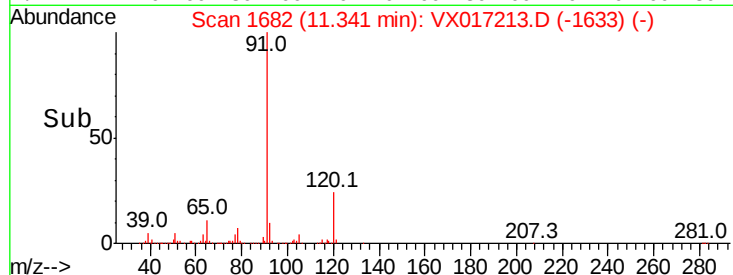
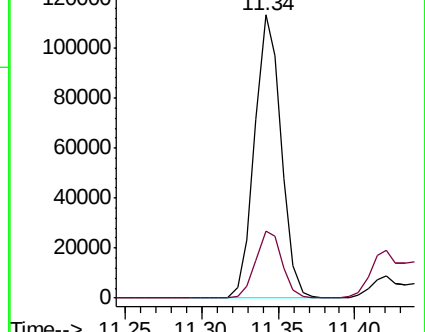
91 100

120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.470 ug/l

RT: 11.42 min Scan# 1695

Delta R.T. 0.02 min

Lab File: VX017213.D

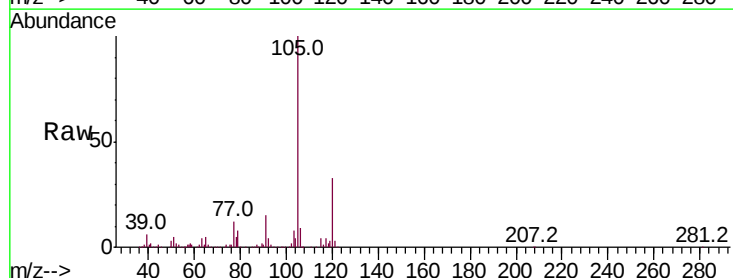
Acq: 07 Jul 2020 18:54

Tgt Ion: 91 Resp: 15923

Ion Ratio Lower Upper

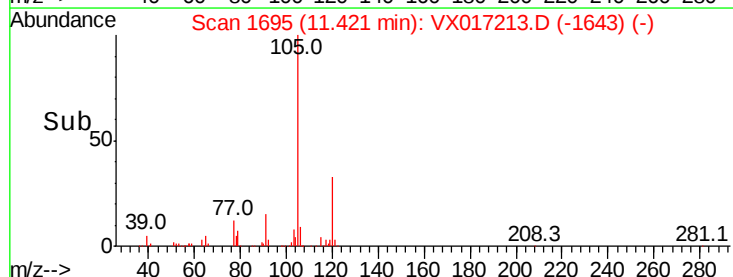
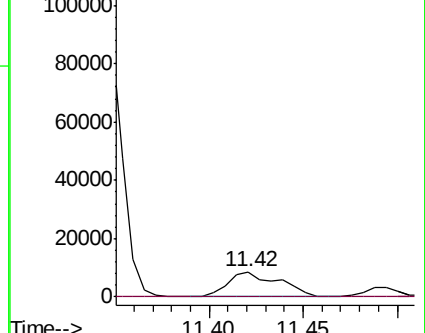
91 100

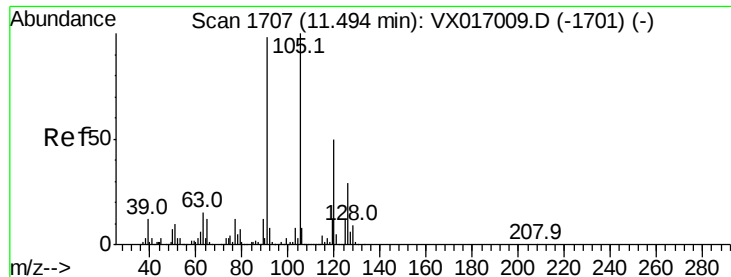
126 0.9 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



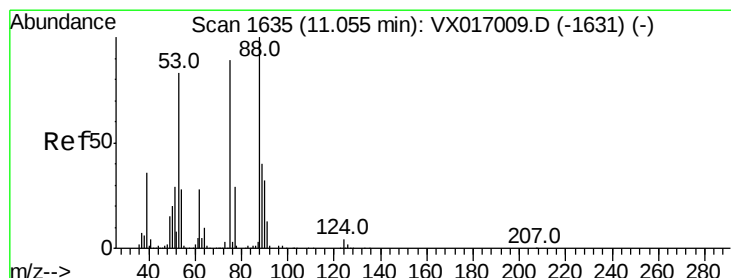
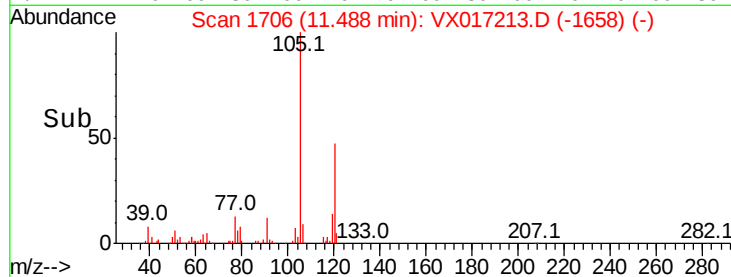
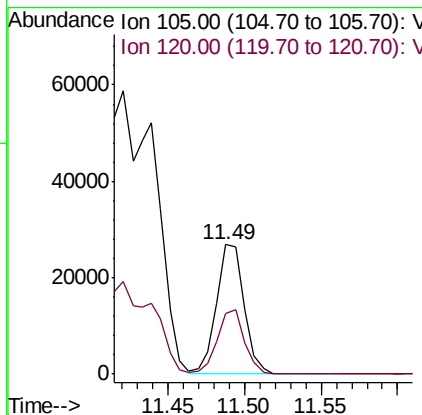
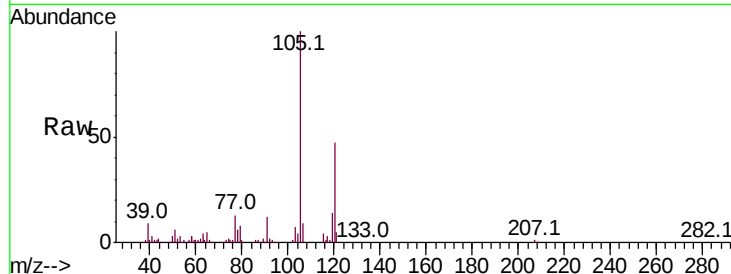


#80

1,3,5-Trimethylbenzene  
Concen: 2.585 ug/l  
RT: 11.49 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

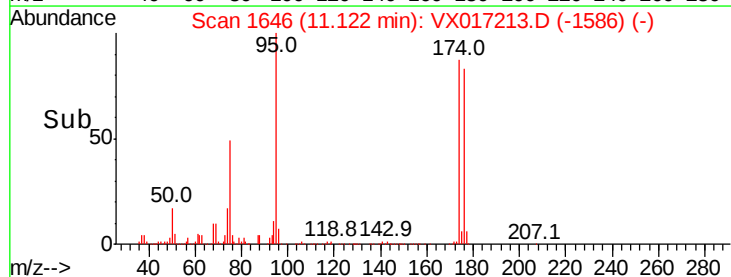
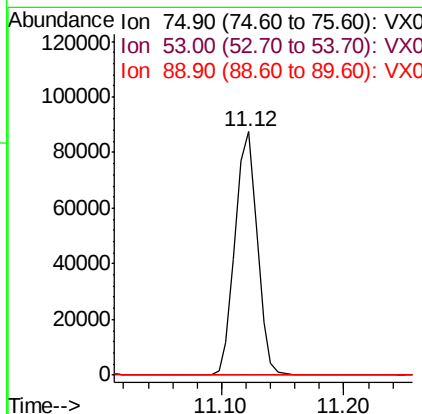
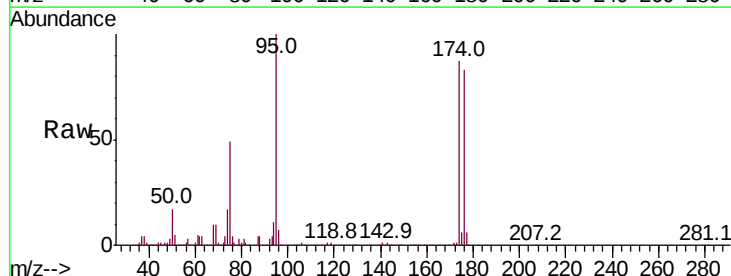
Tot Ion:105 Resp: 33924  
Ion Ratio Lower Upper  
105 100  
120 49.2 24.9 74.6

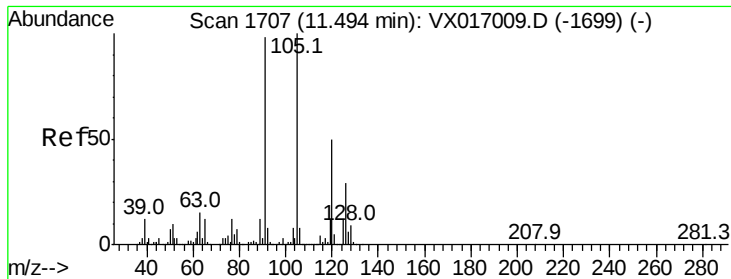


#81

trans-1,4-Dichloro-2-butene  
Concen: 59.743 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.07 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 75 Resp: 109584  
Ion Ratio Lower Upper  
75 100  
53 0.4 72.4 108.6#  
89 0.0 37.0 55.4#

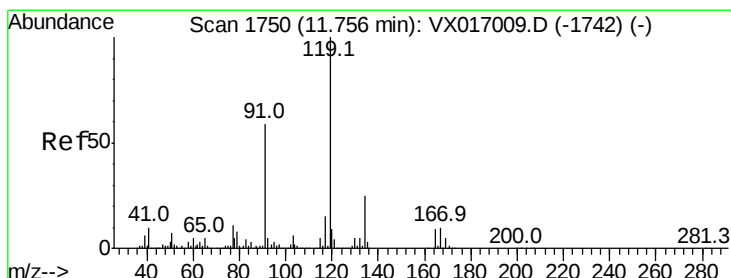
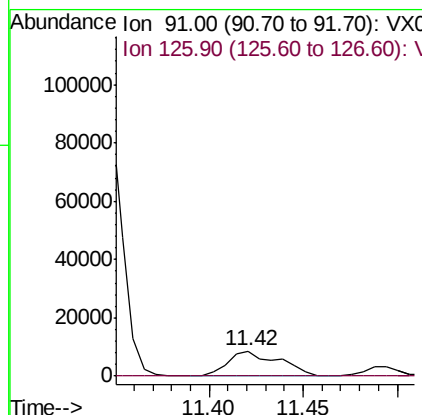
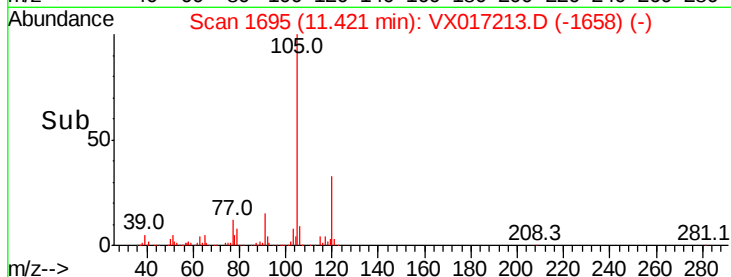
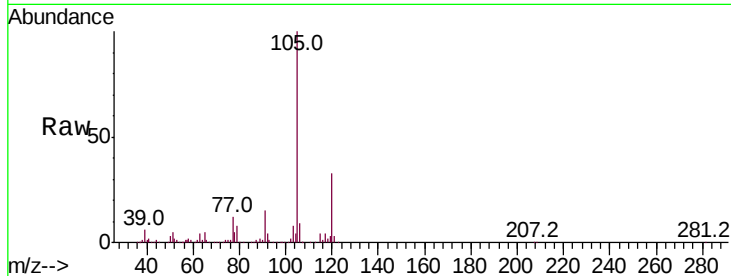




#82  
4-Chlorotoluene  
Concen: 1.230 ug/l  
RT: 11.42 min Scan# 1695  
Delta R.T. -0.07 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

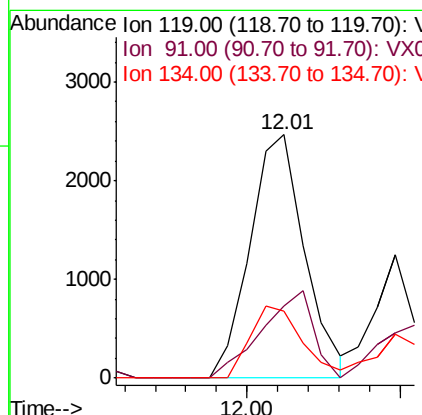
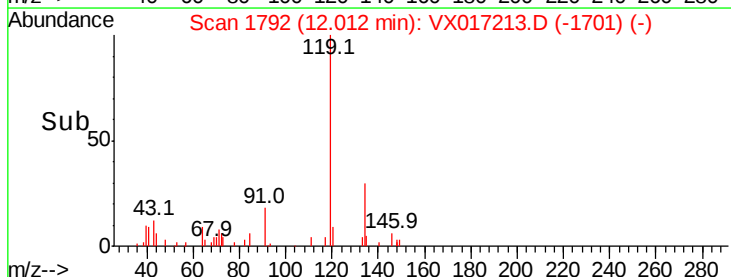
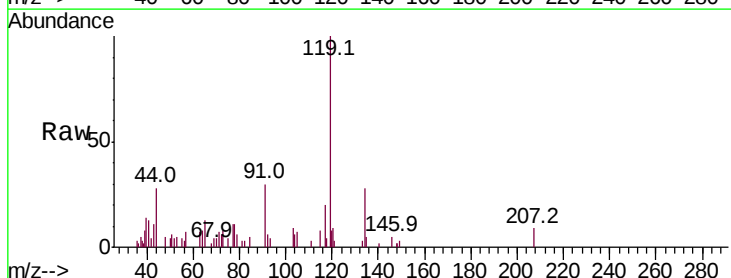
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-3

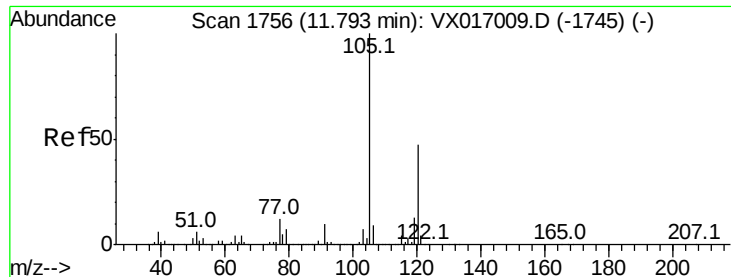
Tot Ion: 91 Resp: 15923  
Ion Ratio Lower Upper  
91 100  
126 0.9 15.2 45.5#



#83  
tert-Butylbenzene  
Concen: 0.238 ug/l  
RT: 12.01 min Scan# 1792  
Delta R.T. 0.26 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 119 Resp: 3066  
Ion Ratio Lower Upper  
119 100  
91 33.9 28.3 84.9  
134 28.0 11.7 35.1

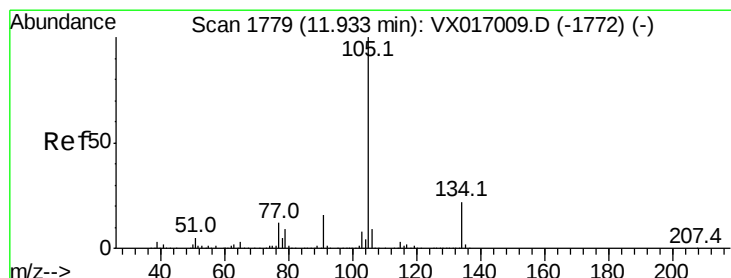
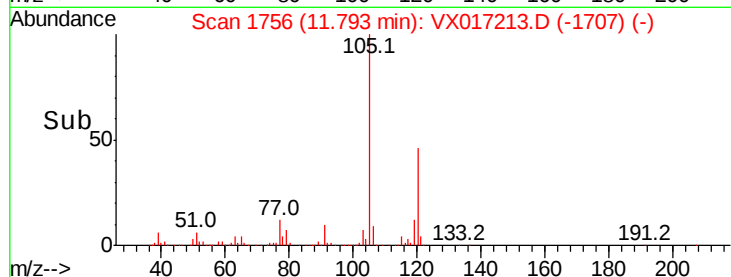
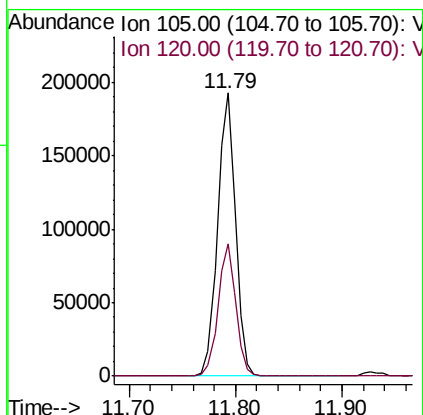
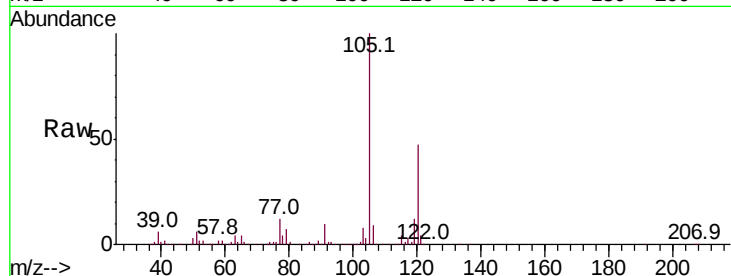




#84  
 1,2,4-Trimethylbenzene  
 Concen: 16.832 ug/l  
 RT: 11.79 min Scan# 1756  
 Delta R.T. -0.00 min  
 Lab File: VX017213.D  
 Acq: 07 Jul 2020 18:54

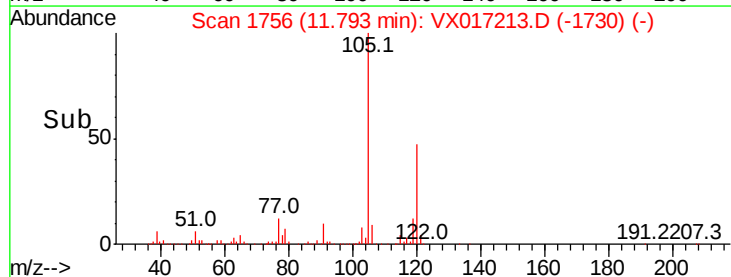
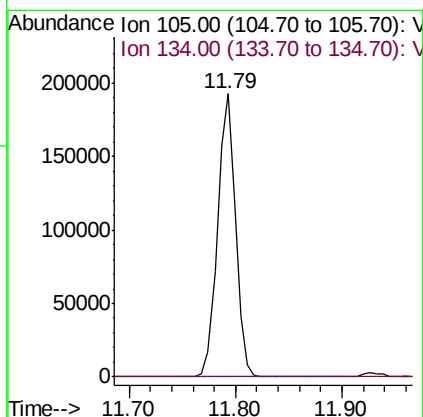
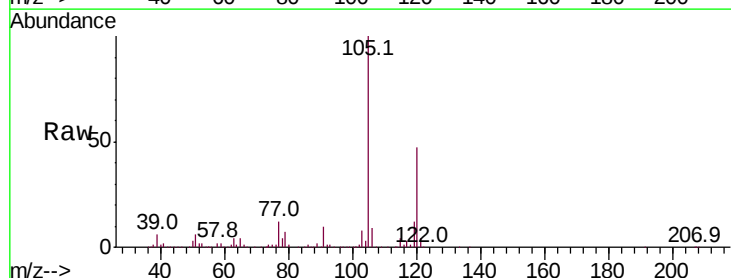
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-3

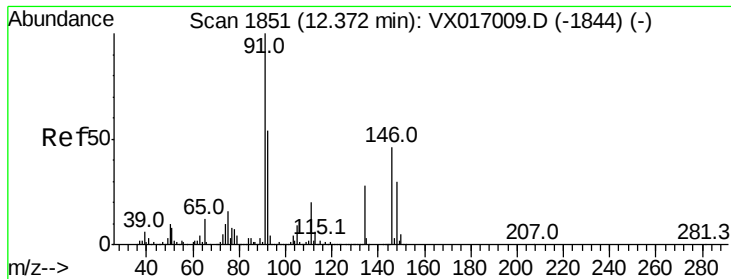
Tot Ion:105 Resp: 224111  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 22.9 68.5



#85  
 sec-Butylbenzene  
 Concen: 14.799 ug/l  
 RT: 11.79 min Scan# 1756  
 Delta R.T. -0.14 min  
 Lab File: VX017213.D  
 Acq: 07 Jul 2020 18:54

Tgt Ion:105 Resp: 224111  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.5 31.6#

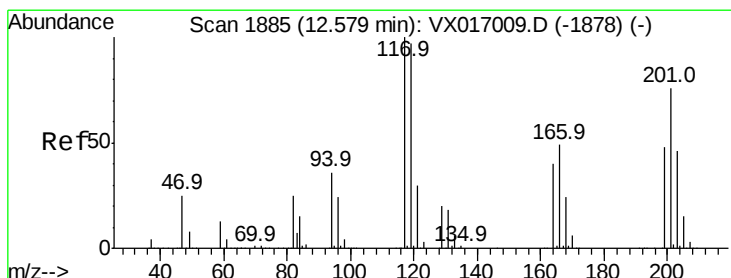
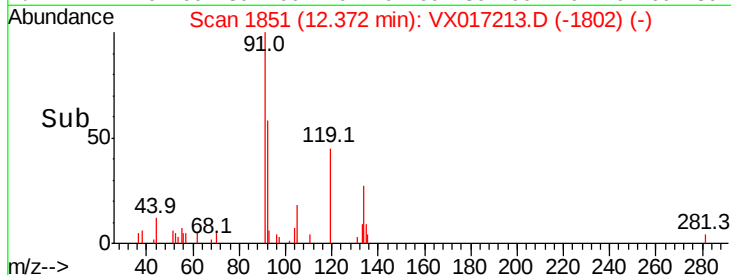
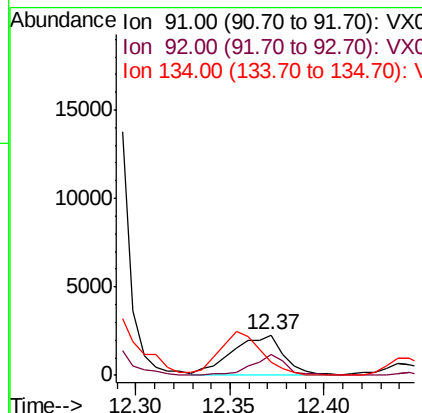
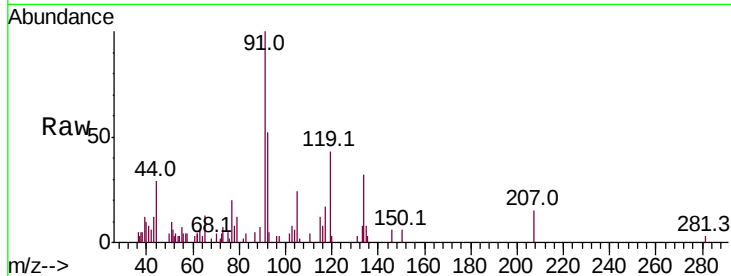




#89  
n-Butylbenzene  
Concen: 0.343 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. -0.00 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

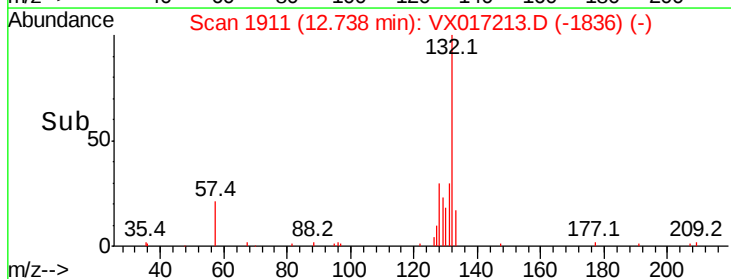
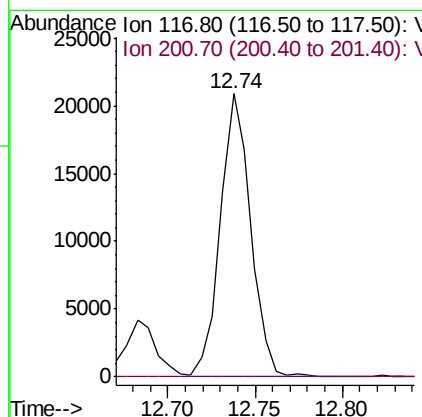
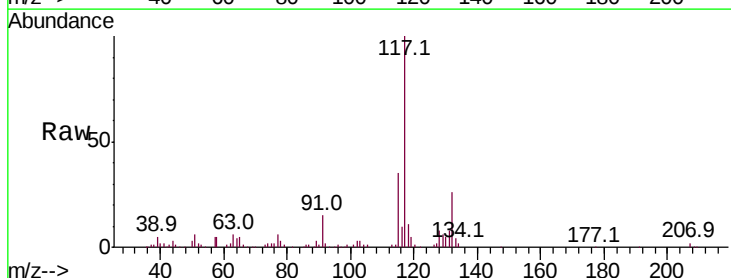
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-3

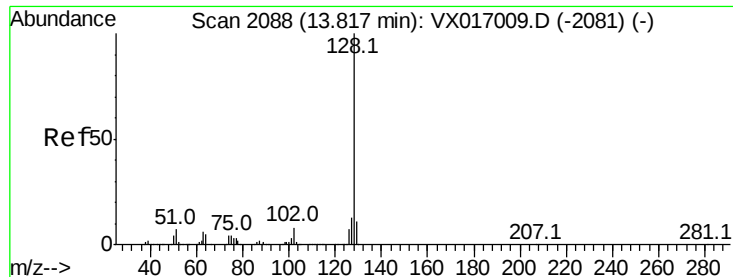
Tot Ion: 91 Resp: 4319  
Ion Ratio Lower Upper  
91 100  
92 35.1 27.2 81.6  
134 88.4 13.6 40.7#



#90  
Hexachloroethane  
Concen: 9.058 ug/l  
RT: 12.74 min Scan# 1911  
Delta R.T. 0.16 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Tgt Ion: 117 Resp: 25183  
Ion Ratio Lower Upper  
117 100  
201 0.0 39.4 118.2#

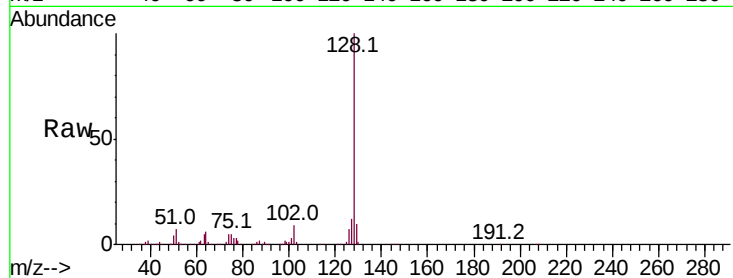




#95  
Naphthalene  
Concen: 5.680 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. -0.00 min  
Lab File: VX017213.D  
Acq: 07 Jul 2020 18:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.2  | 15.4  |
| 129     | 11.0  | 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

