

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\  
 Data File : VX004791.D  
 Acq On : 27 Sep 2018 23:44  
 Operator : JC/MD  
 Sample : J5048-04 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-36-SEP18

Quant Time: Sep 28 06:02:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 239882   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 385389   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 373369   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 205755   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 180571   | 52.69 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.38% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 153938   | 47.13 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.26%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 560119   | 51.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.16% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 201677   | 51.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.12% |          |

| Target Compounds              | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane              | 1.32  | 50   | 811      | 0.204     | ug/l # | 80     |
| 5) Bromomethane               | 1.64  | 94   | 817      | 0.370     | ug/l # | 62     |
| 6) Chloroethane               | 1.73  | 64   | 1385     | Below Cal | #      | 86     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39  | 101  | 18674    | 7.115     | ug/l   | 99     |
| 10) Methyl Iodide             | 2.51  | 142  | 1180     | 0.336     | ug/l # | 87     |
| 11) Tert butyl alcohol        | 3.02  | 59   | 8450     | 8.819     | ug/l # | 78     |
| 12) 1,1-Dichloroethene        | 2.37  | 96   | 23154    | 8.908     | ug/l   | 98     |
| 13) Acrolein                  | 2.29  | 56   | 160      | 0.235     | ug/l # | 1      |
| 15) Acrylonitrile             | 3.15  | 53   | 662      | 0.314     | ug/l # | 89     |
| 16) Acetone                   | 2.45  | 43   | 2551     | 1.275     | ug/l # | 78     |
| 17) Carbon Disulfide          | 2.57  | 76   | 3023     | 0.387     | ug/l # | 91     |
| 20) Methylene Chloride        | 2.85  | 84   | 946      | Below Cal |        | 90     |
| 21) trans-1,2-Dichloroethene  | 3.17  | 96   | 804      | 0.283     | ug/l # | 58     |
| 24) 1,1-Dichloroethane        | 3.70  | 63   | 10628    | 1.866     | ug/l   | 99     |
| 25) 2-Butanone                | 4.72  | 43   | 1021     | 0.346     | ug/l # | 85     |
| 27) cis-1,2-Dichloroethene    | 4.60  | 96   | 348652   | 109.688   | ug/l   | 94     |
| 29) Tetrahydrofuran           | 5.17  | 42   | 1043     | 0.569     | ug/l # | 67     |
| 30) Chloroform                | 5.21  | 83   | 2011     | 0.374     | ug/l   | 90     |
| 32) 1,1,1-Trichloroethane     | 5.49  | 97   | 118638   | 26.982    | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 5.67  | 75   | 16296    | 3.657     | ug/l # | 49     |
| 38) Carbon Tetrachloride      | 5.78  | 117  | 2925     | 0.624     | ug/l # | 67     |
| 44) Trichloroethene           | 7.21  | 130  | 199143   | 58.064    | ug/l   | 95     |
| 49) 1,4-Dioxane               | 7.76  | 88   | 23       | 0.239     | ug/l # | 1      |
| 52) Toluene                   | 8.79  | 92   | 1779     | 0.232     | ug/l   | 86     |
| 56) Ethyl methacrylate        | 9.18  | 69   | 20       | 2.866     | ug/l # | 1      |
| 58) 2-Chloroethyl Vinyl ether | 8.33  | 63   | 122      | 14.282    | ug/l # | 45     |
| 60) Dibromochloromethane      | 9.34  | 129  | 75134    | 22.373    | ug/l # | 11     |
| 64) Tetrachloroethene         | 9.34  | 164  | 84772    | 23.069    | ug/l   | 99     |
| 67) Ethyl Benzene             | 10.26 | 91   | 3731     | 0.245     | ug/l   | 98     |
| 68) m/p-Xylenes               | 10.36 | 106  | 6214     | 1.046     | ug/l   | 92     |
| 70) Styrene                   | 10.71 | 104  | 427      | 2.181     | ug/l # | 38     |
| 74) N-amyl acetate            | 10.90 | 43   | 172      | 1.771     | ug/l # | 83     |
| 76) 1,2,3-Trichloropropane    | 11.14 | 75   | 99095    | 21.488    | ug/l # | 37     |
| 80) 1,3,5-Trimethylbenzene    | 11.51 | 105  | 818      | Below Cal |        | 90     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\  
 Data File : VX004791.D  
 Acq On : 27 Sep 2018 23:44  
 Operator : JC/MD  
 Sample : J5048-04 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-36-SEP18

Quant Time: Sep 28 06:02:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

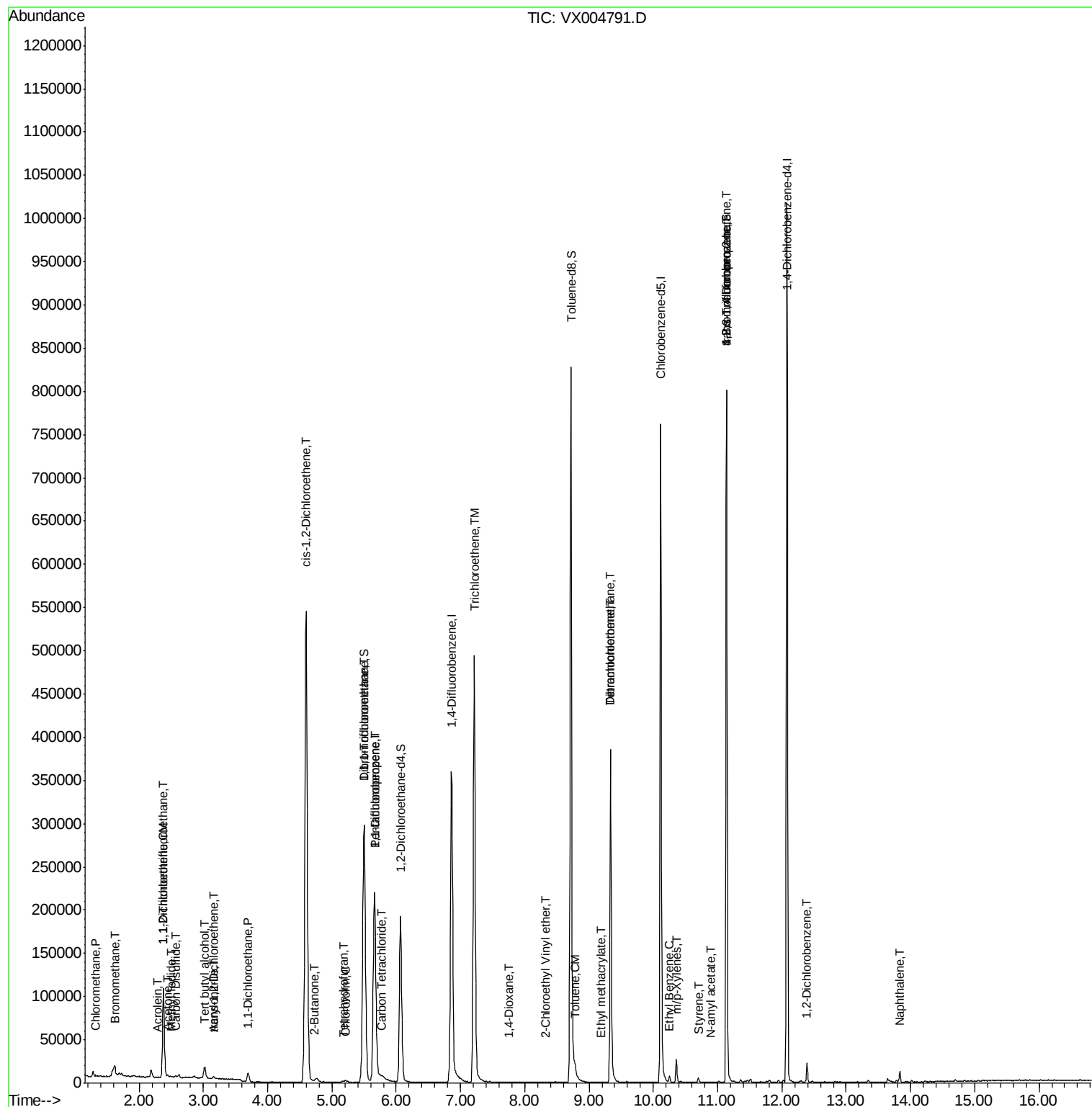
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 99095    | 58.263    | ug/l # | 10       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 1055     | Below Cal |        | 96       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 6219     | 0.846     | ug/l   | 99       |
| 95) Naphthalene                | 13.83 | 128  | 7717     | 1.164     | ug/l   | 98       |

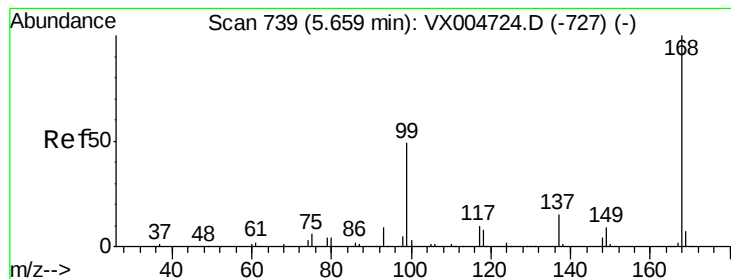
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092718\  
Data File : VX004791.D  
Acq On : 27 Sep 2018 23:44  
Operator : JC/MD  
Sample : J5048-04 20X  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-36-SEP18

Quant Time: Sep 28 06:02:24 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 26 14:17:02 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

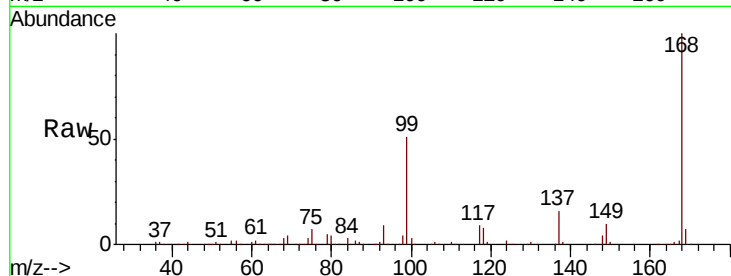
MW-36-SEP18

Tot Ion:168 Resp: 239882

Ion Ratio Lower Upper

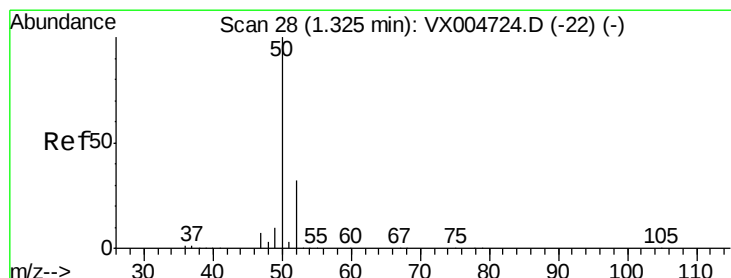
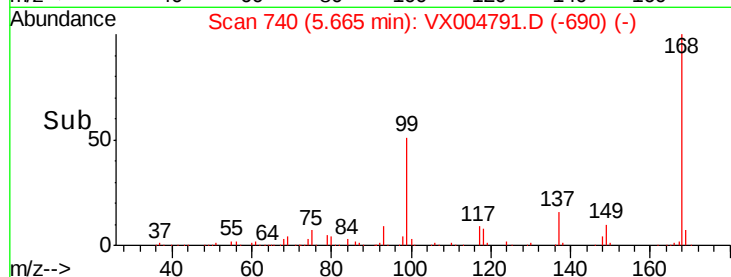
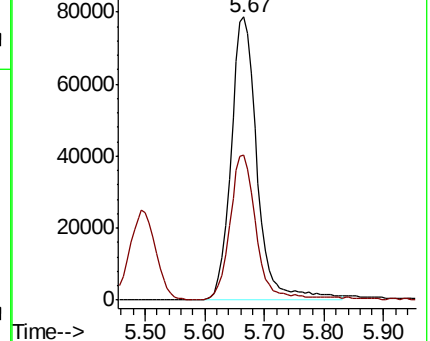
168 100

99 50.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004791.D

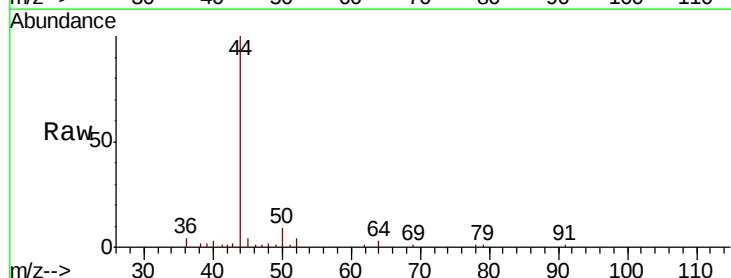
Acq: 27 Sep 2018 23:44

Tgt Ion: 50 Resp: 811

Ion Ratio Lower Upper

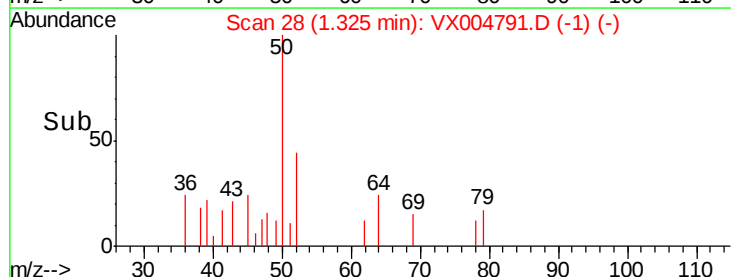
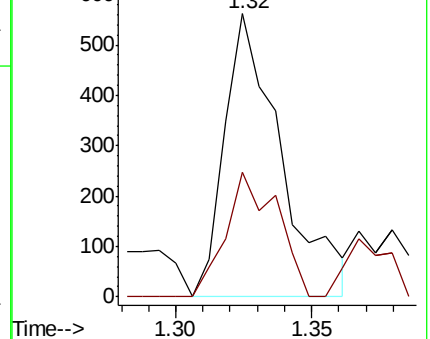
50 100

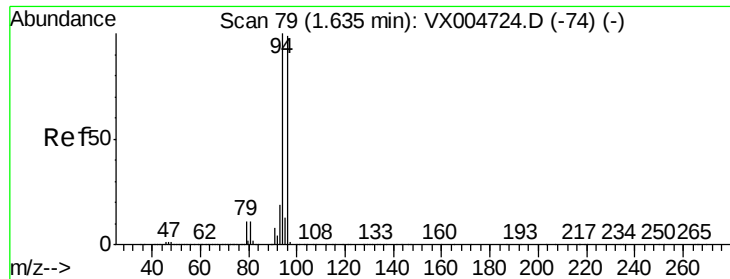
52 44.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.370 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampled :

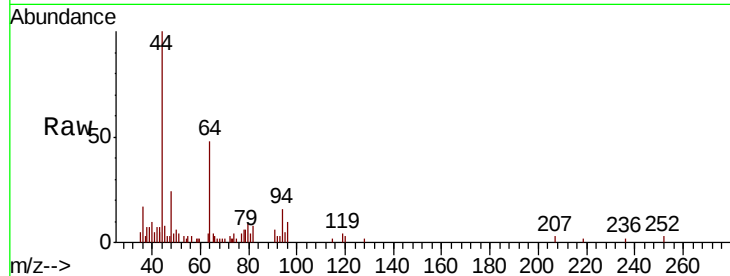
MW-36-SEP18

Tot Ion: 94 Resp: 817

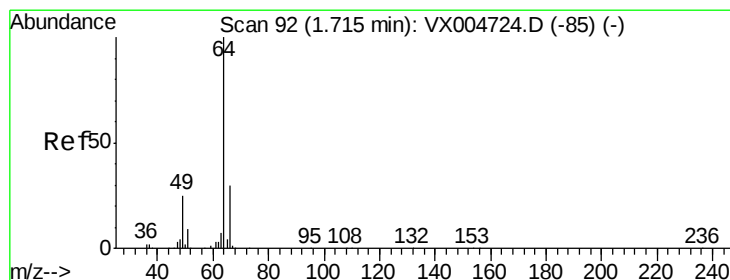
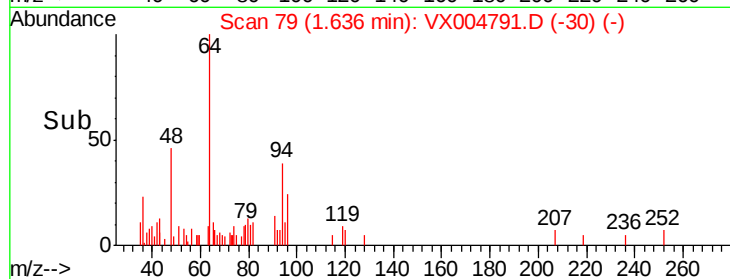
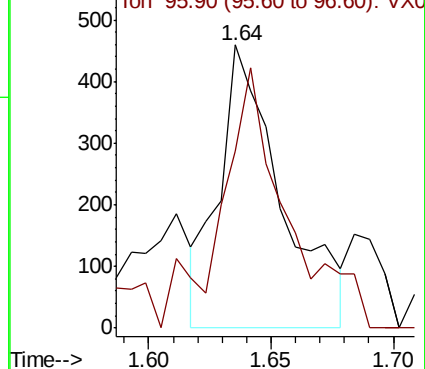
Ion Ratio Lower Upper

94 100

96 56.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004791.D

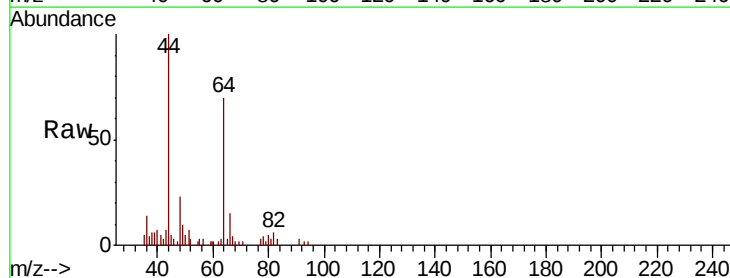
Acq: 27 Sep 2018 23:44

Tgt Ion: 64 Resp: 1385

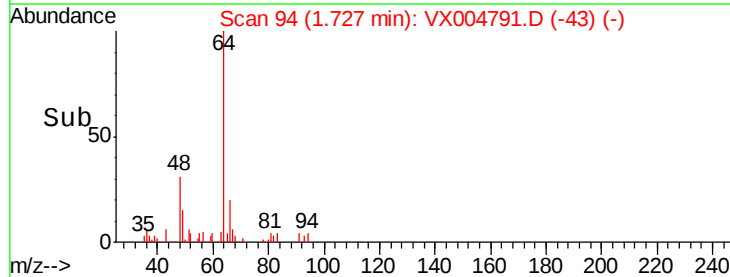
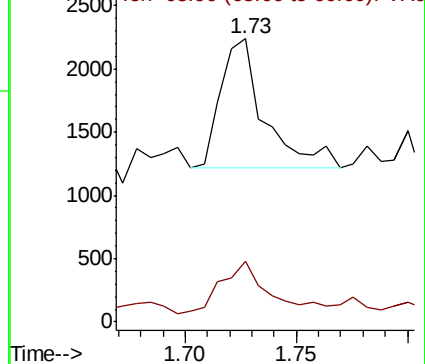
Ion Ratio Lower Upper

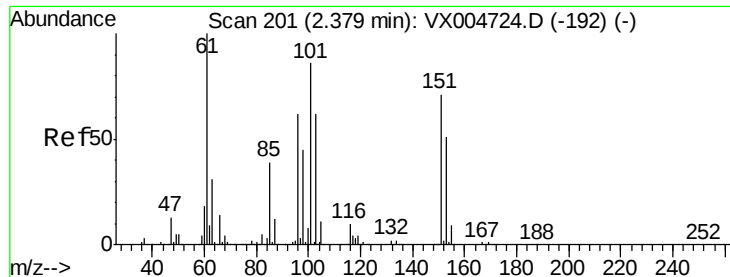
64 100

66 38.5 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.115 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

MW-36-SEP18

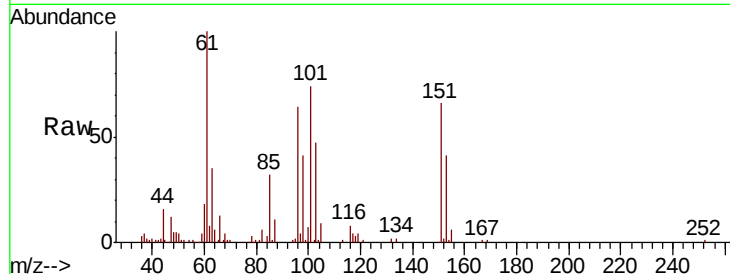
Tot Ion:101 Resp: 18674

Ion Ratio Lower Upper

101 100

85 44.1 34.2 51.4

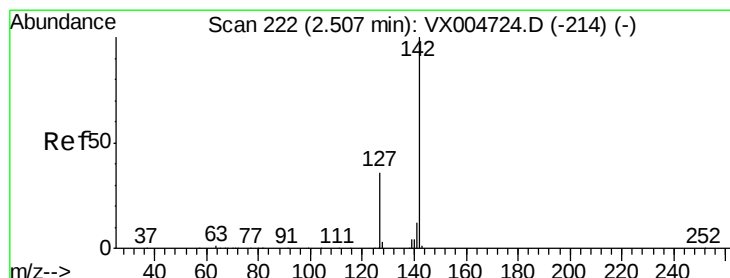
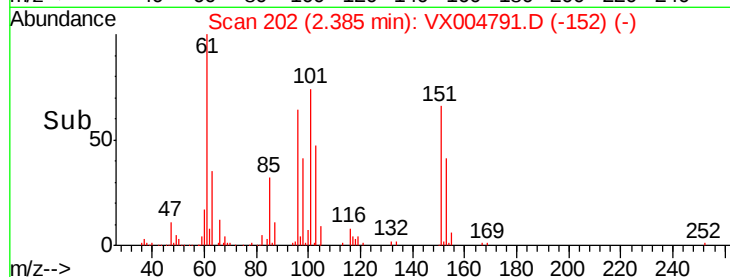
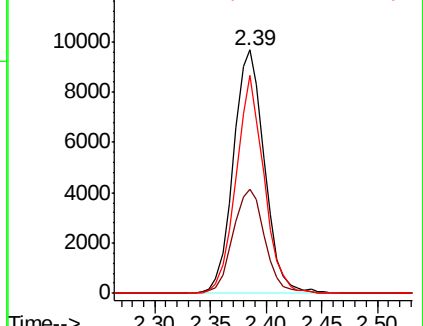
151 80.9 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.336 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

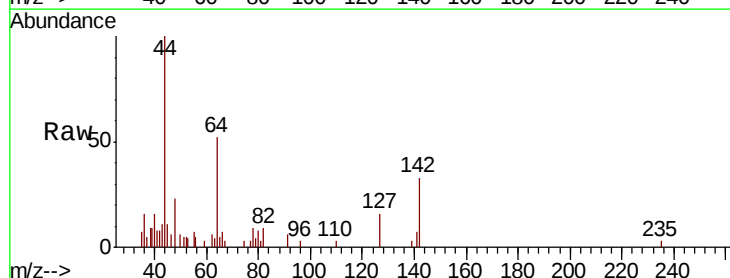
Tgt Ion:142 Resp: 1180

Ion Ratio Lower Upper

142 100

127 50.4 33.8 50.6

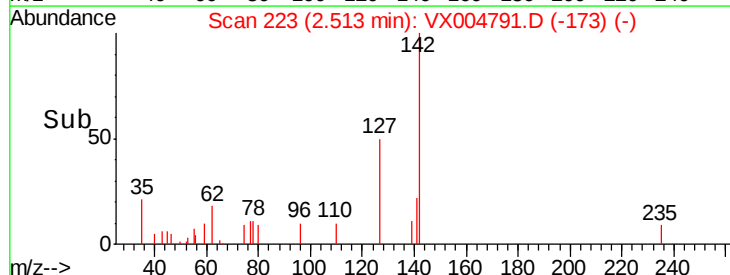
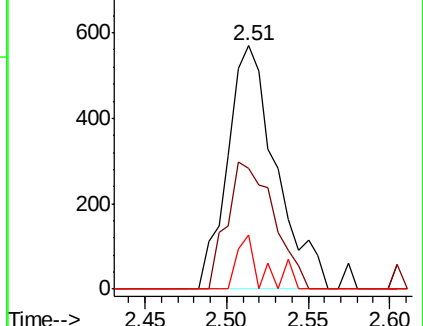
141 8.7 11.4 17.0#

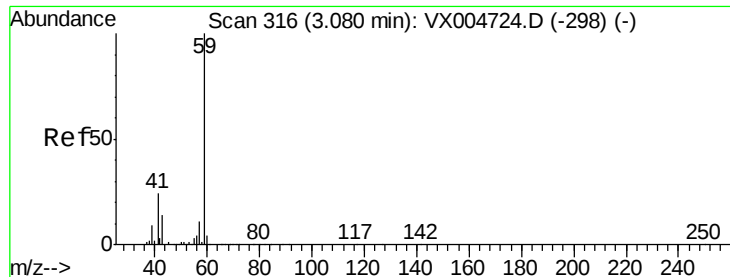


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



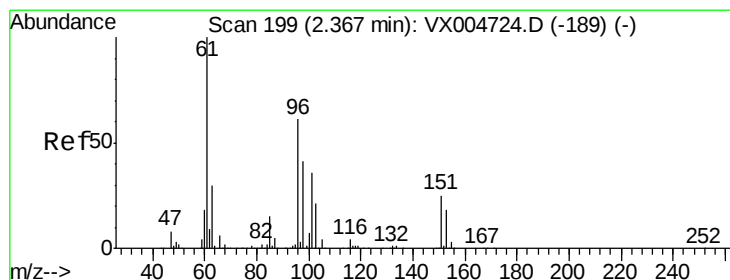
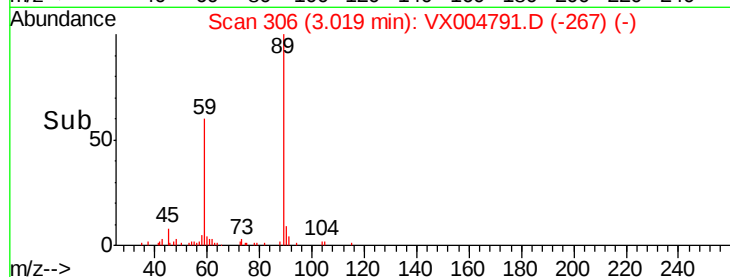
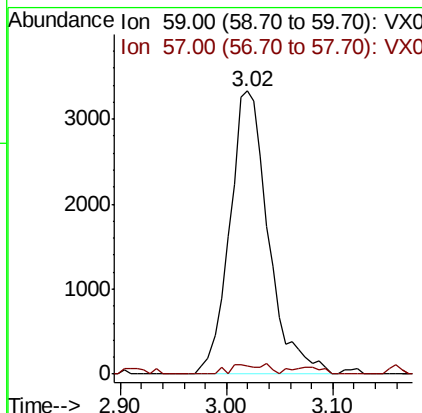
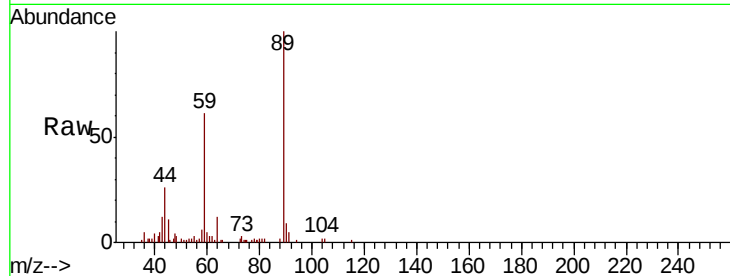


#11

Tert butyl alcohol  
 Concen: 8.819 ug/l  
 RT: 3.02 min Scan# 306  
 Delta R.T. -0.06 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-36-SEP18

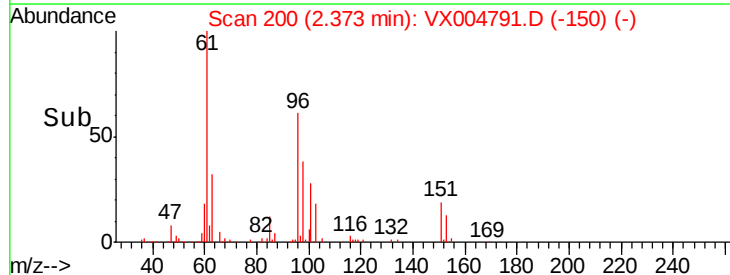
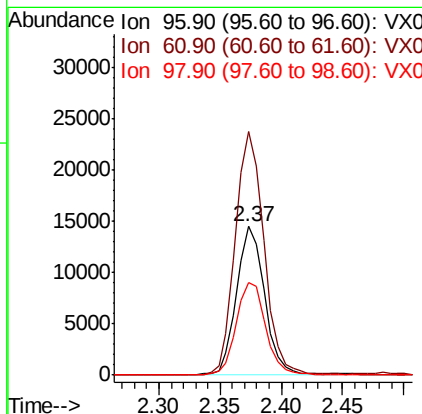
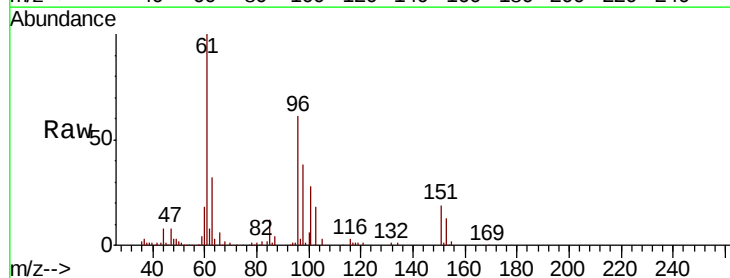
Tot Ion: 59 Resp: 8450  
 Ion Ratio Lower Upper  
 59 100  
 57 2.0 8.2 12.4#

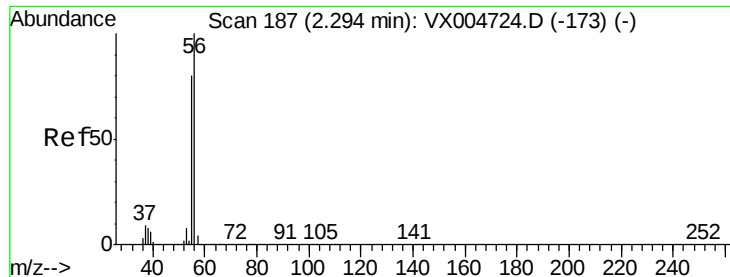


#12

1,1-Dichloroethene  
 Concen: 8.908 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. 0.01 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

Tgt Ion: 96 Resp: 23154  
 Ion Ratio Lower Upper  
 96 100  
 61 163.6 128.8 193.2  
 98 62.3 52.2 78.2





#13

Acrolein

Concen: 0.235 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

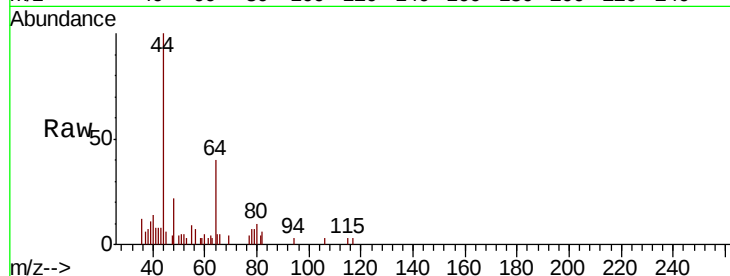
MW-36-SEP18

Tot Ion: 56 Resp: 160

Ion Ratio Lower Upper

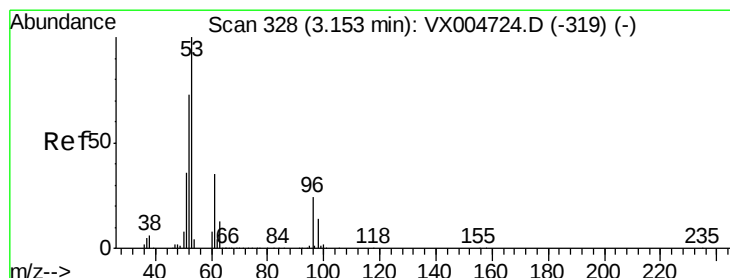
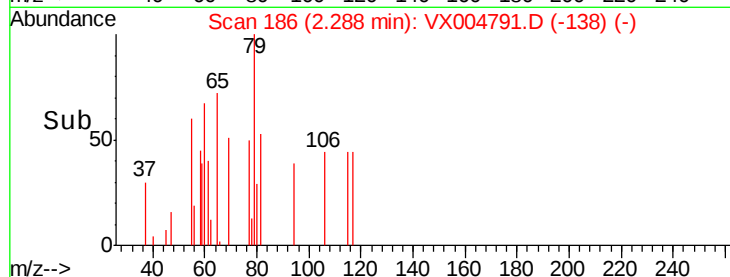
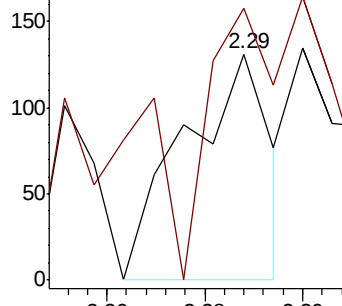
56 100

55 168.1 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.314 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

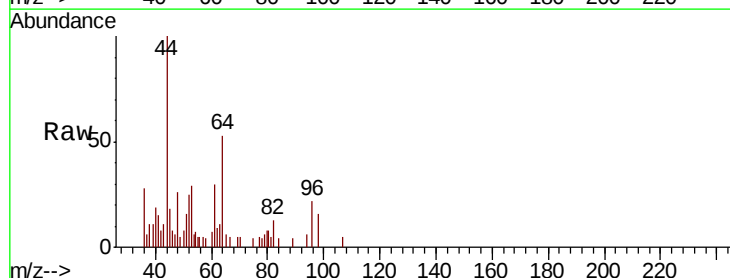
Tgt Ion: 53 Resp: 662

Ion Ratio Lower Upper

53 100

52 76.7 65.2 97.8

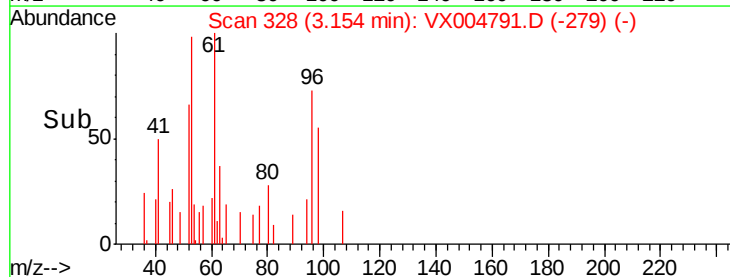
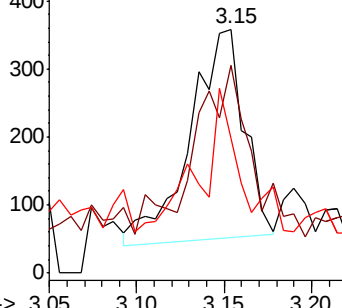
51 49.5 28.2 42.2#

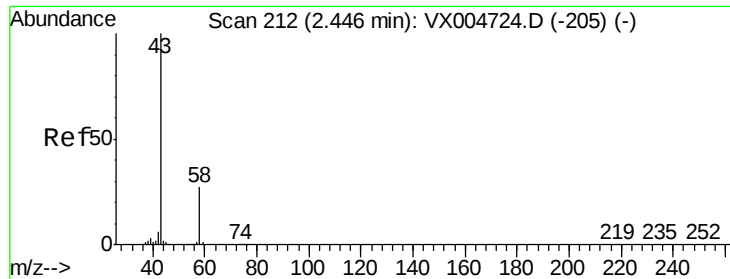


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.275 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

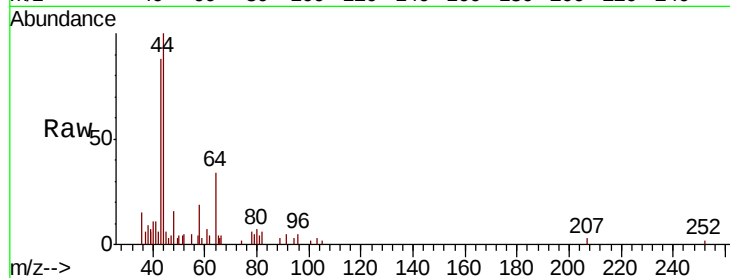
MW-36-SEP18

Tot Ion: 43 Resp: 2551

Ion Ratio Lower Upper

43 100

58 20.7 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

1000

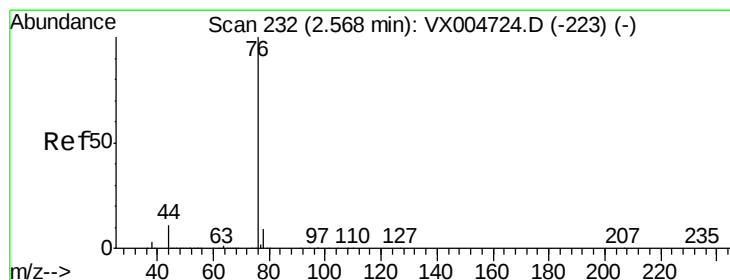
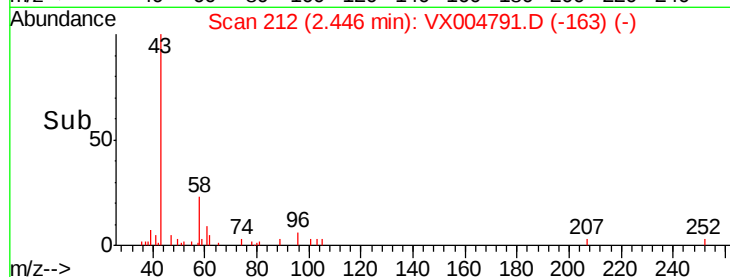
500

200

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.387 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004791.D

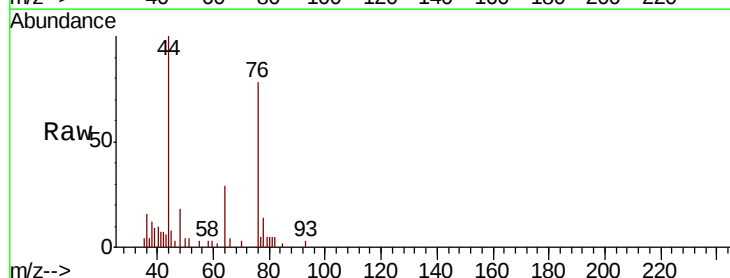
Acq: 27 Sep 2018 23:44

Tgt Ion: 76 Resp: 3023

Ion Ratio Lower Upper

76 100

78 11.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2000

1500

1000

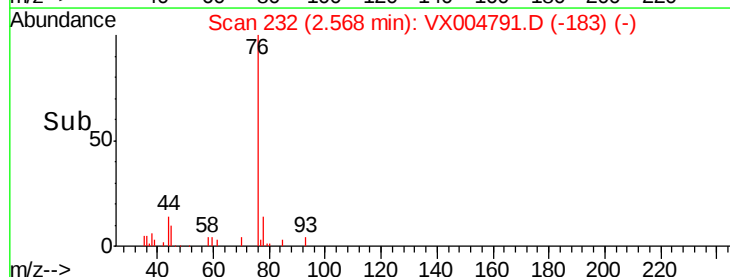
500

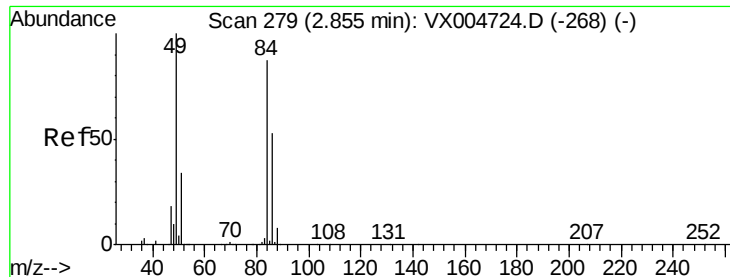
200

0

2.45 2.50 2.55 2.60 2.65

Time-->





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

MW-36-SEP18

Tot Ion: 84 Resp: 946

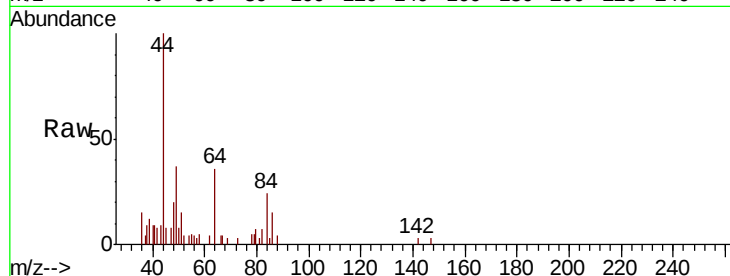
Ion Ratio Lower Upper

84 100

49 141.7 101.2 151.8

51 43.9 29.5 44.3

86 64.1 52.3 78.5

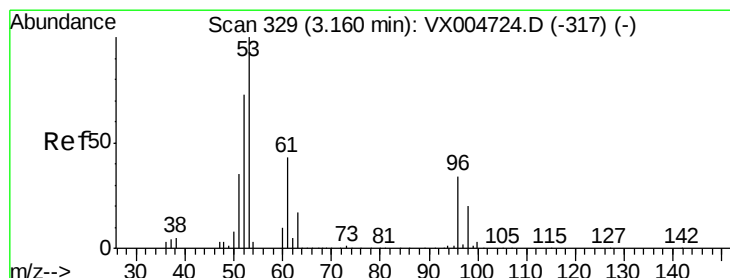
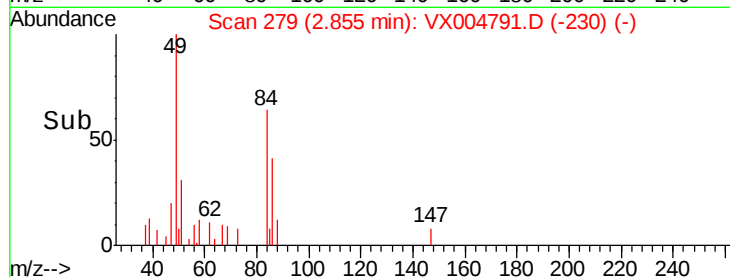
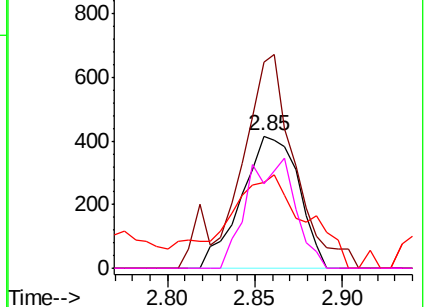


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 0.283 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

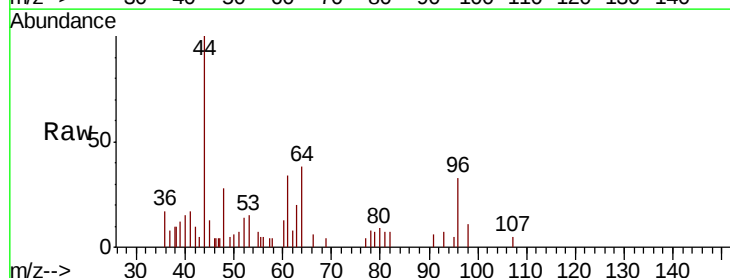
Tgt Ion: 96 Resp: 804

Ion Ratio Lower Upper

96 100

61 87.8 113.8 170.6#

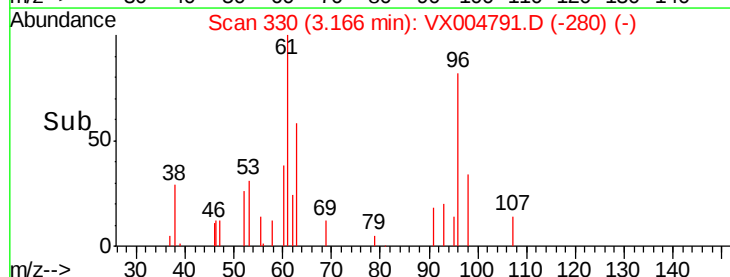
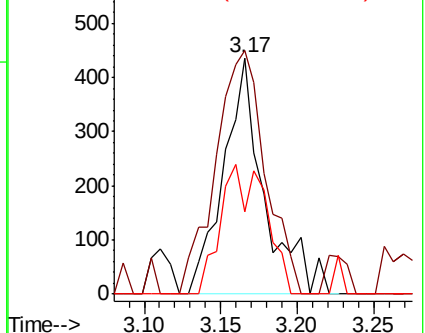
98 34.9 51.8 77.8#

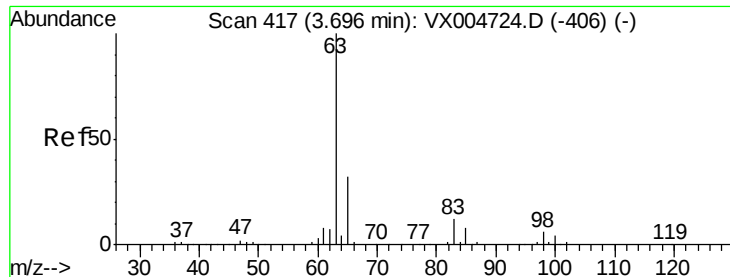


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 1.866 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

MW-36-SEP18

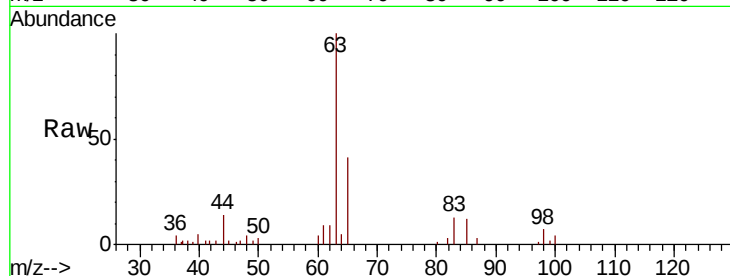
Tot Ion: 63 Resp: 10628

Ion Ratio Lower Upper

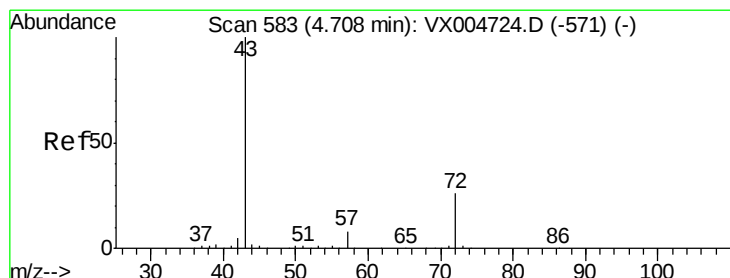
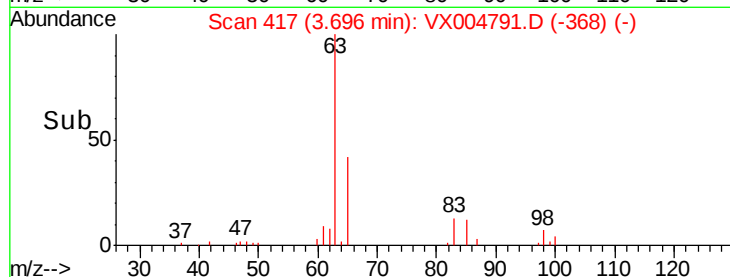
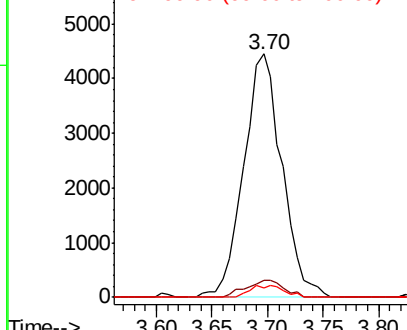
63 100

98 7.0 3.5 10.4

100 3.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0  
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.346 ug/l

RT: 4.72 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX004791.D

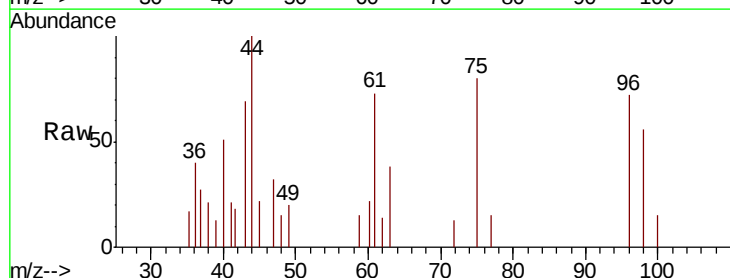
Acq: 27 Sep 2018 23:44

Tgt Ion: 43 Resp: 1021

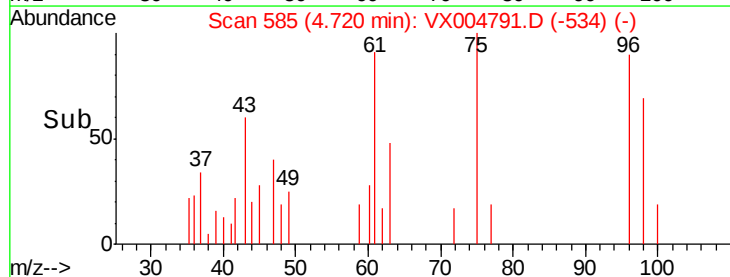
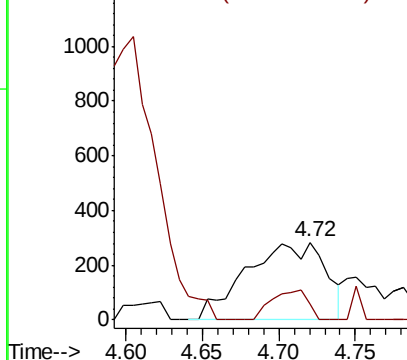
Ion Ratio Lower Upper

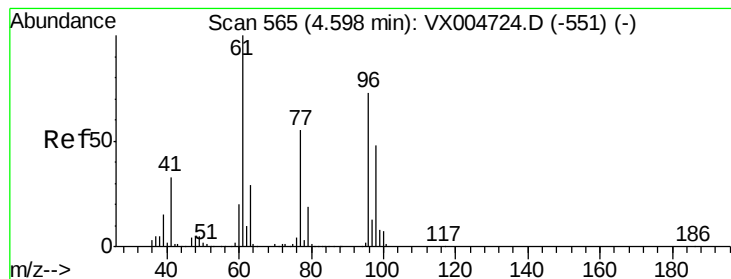
43 100

72 19.6 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 72.00 (71.70 to 72.70): VX0



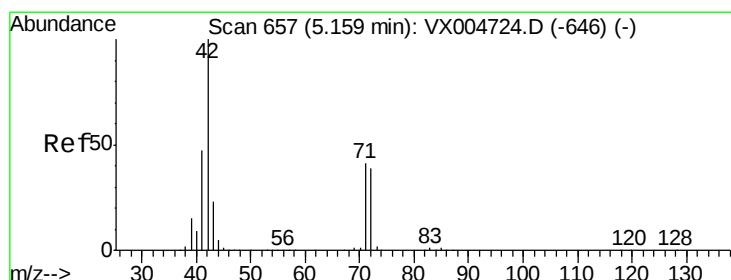
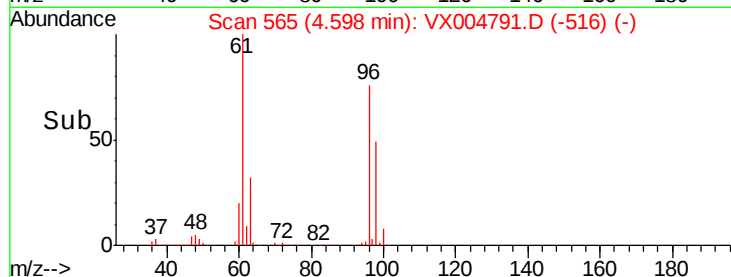
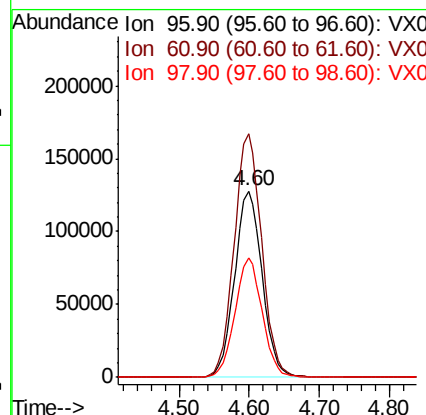
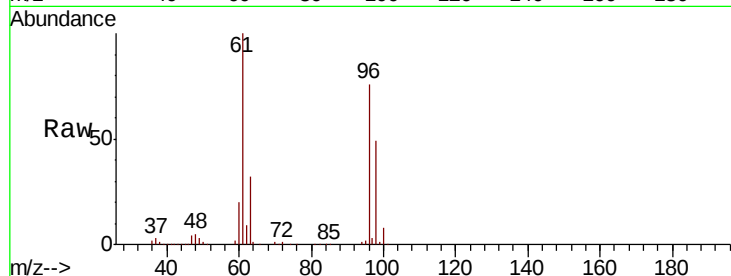


#27

cis-1,2-Dichloroethene  
 Concen: 109.688 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. 0.00 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MW-36-SEP18

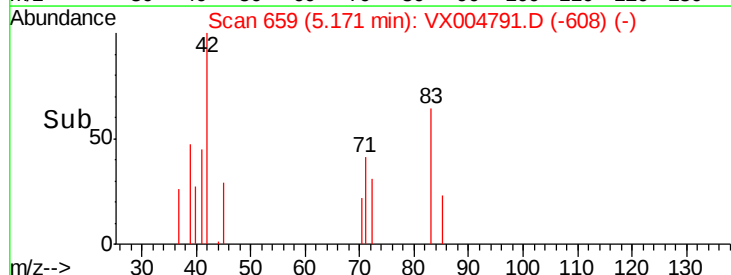
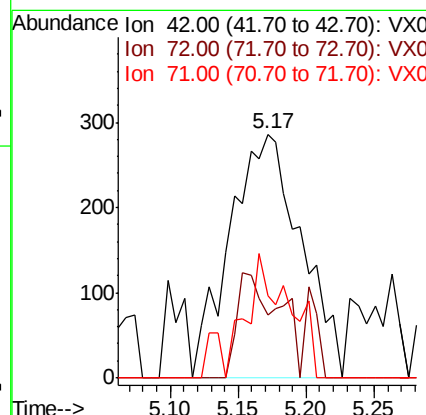
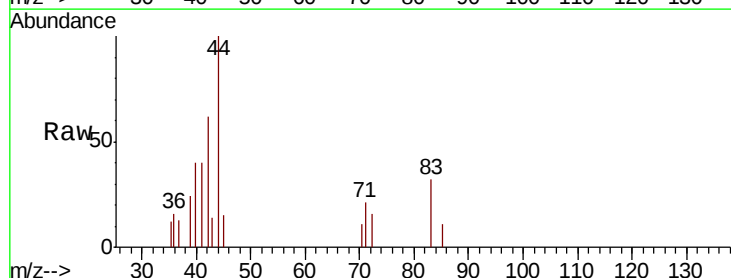
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 131.3 | 0.0   | 282.6 |
| 98      | 63.7  | 0.0   | 130.2 |

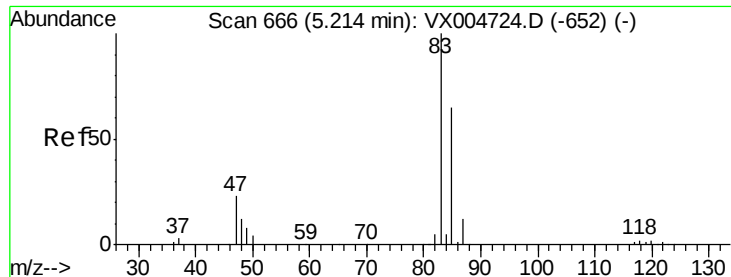


#29

Tetrahydrofuran  
 Concen: 0.569 ug/l  
 RT: 5.17 min Scan# 659  
 Delta R.T. 0.01 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 16.1  | 37.4  | 56.0# |
| 71      | 30.4  | 34.5  | 51.7# |

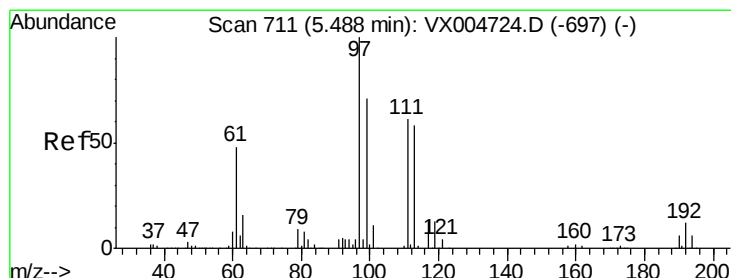
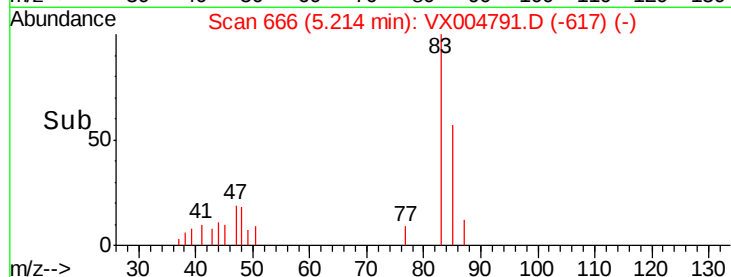
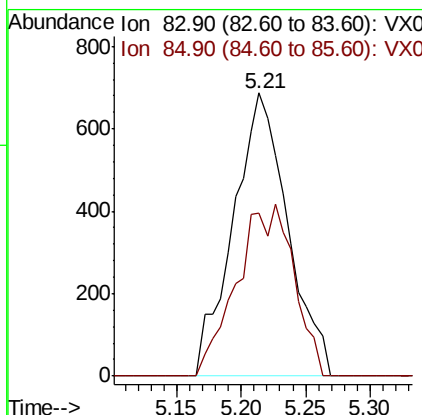
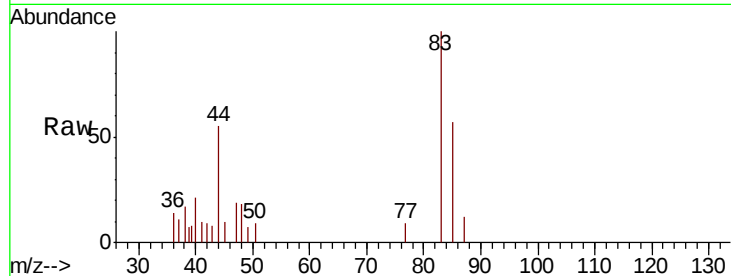




#30  
Chloroform  
Concen: 0.374 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

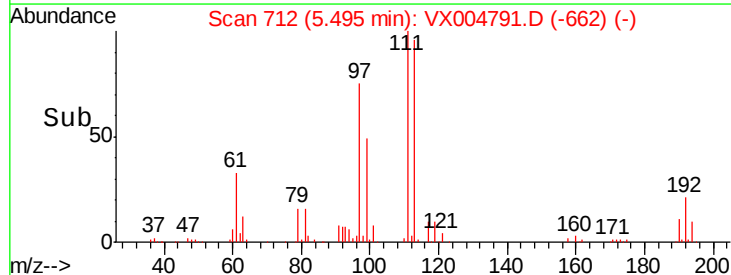
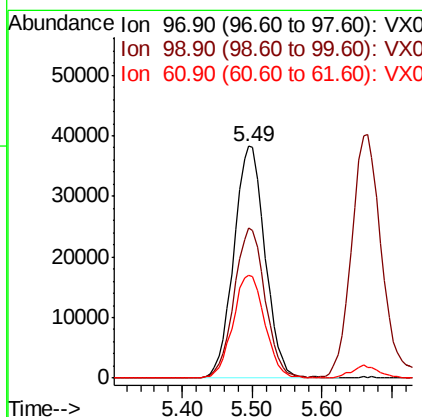
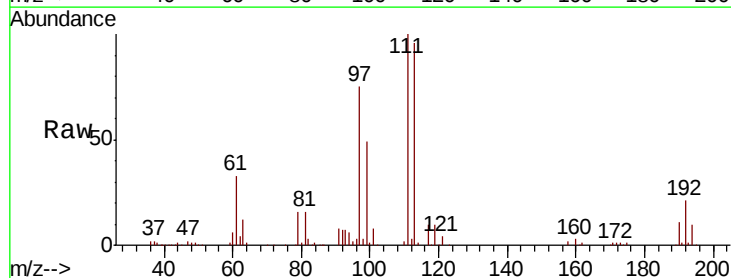
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-36-SEP18

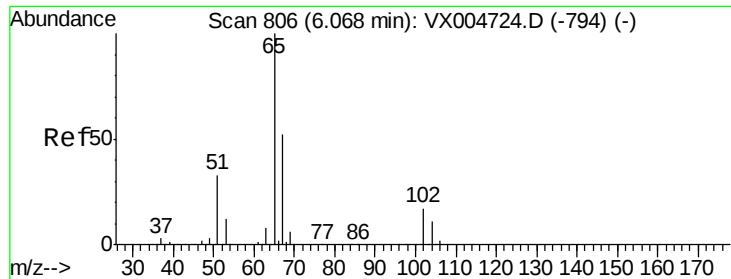
Tot Ion: 83 Resp: 2011  
Ion Ratio Lower Upper  
83 100  
85 57.5 52.6 79.0



#32  
1,1,1-Trichloroethane  
Concen: 26.982 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. 0.01 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

Tgt Ion: 97 Resp: 118638  
Ion Ratio Lower Upper  
97 100  
99 64.2 52.0 78.0  
61 45.3 34.9 52.3

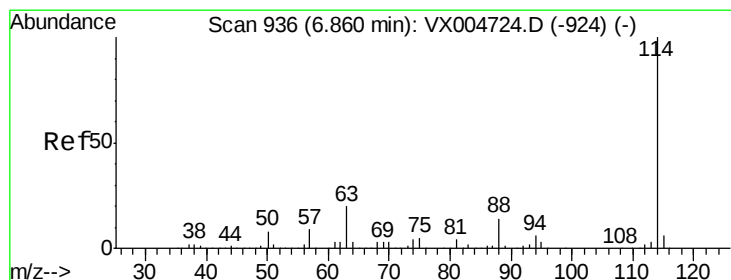
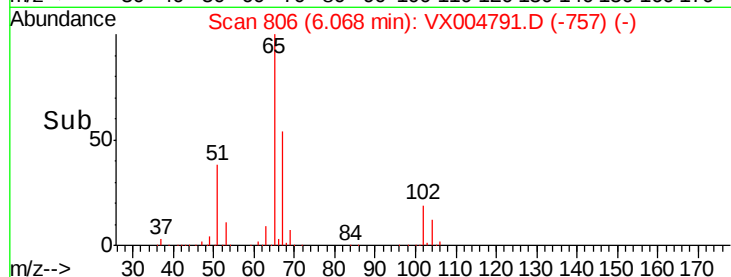
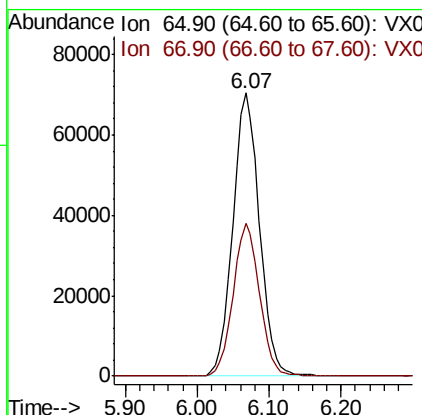
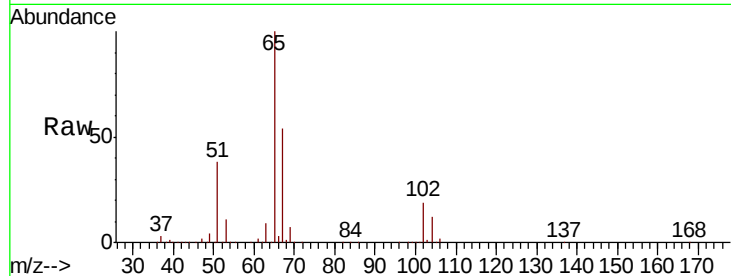




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.695 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

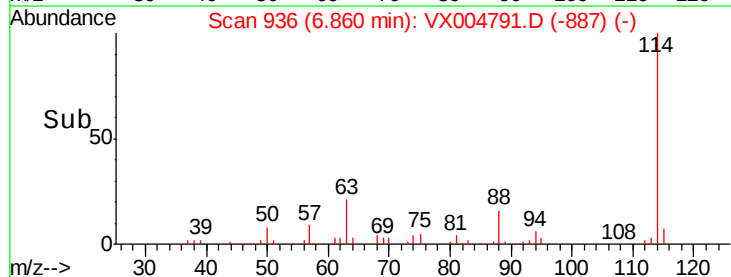
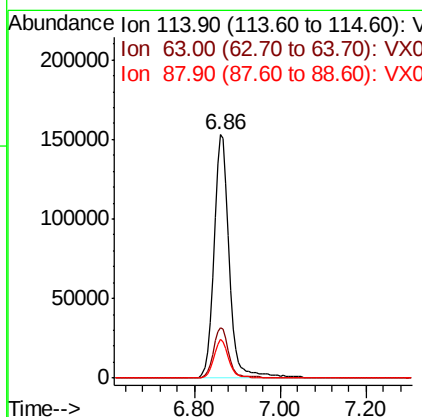
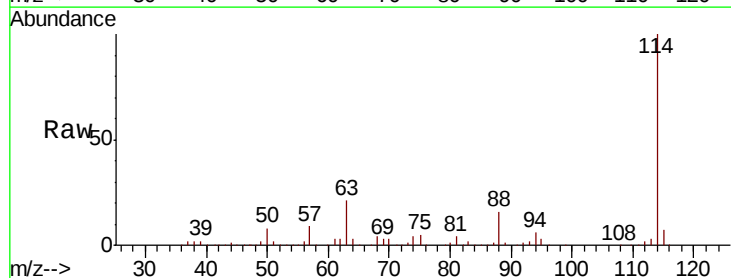
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-36-SEP18

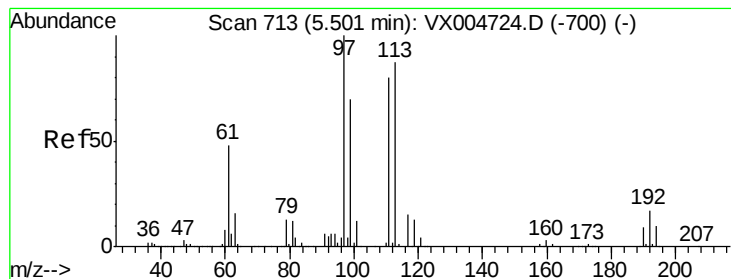
Tot Ion: 65 Resp: 180571  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

Tgt Ion: 114 Resp: 385389  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 39.0  
 88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.130 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

MW-36-SEP18

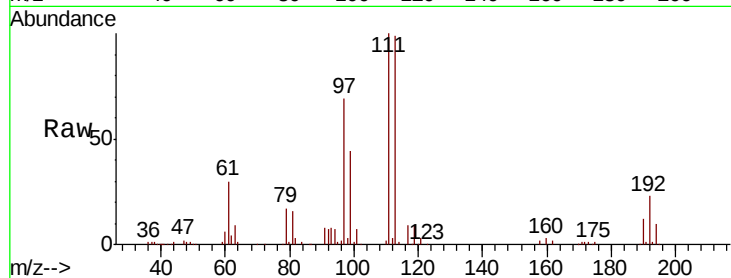
Tot Ion:113 Resp: 153938

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

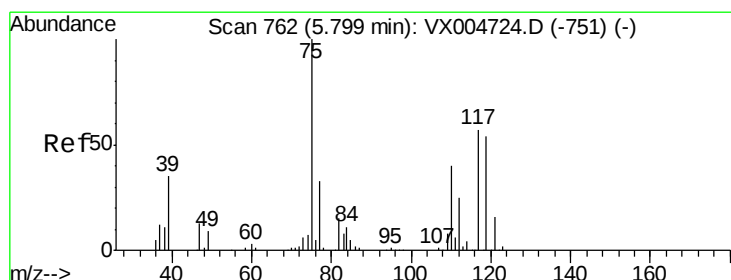
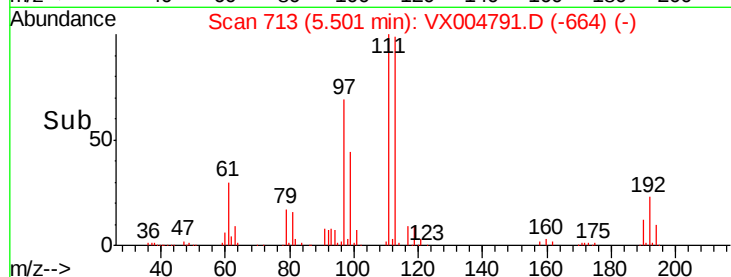
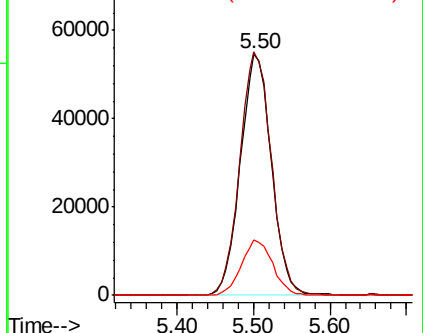
192 23.3 19.4 29.2



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: 3.657 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

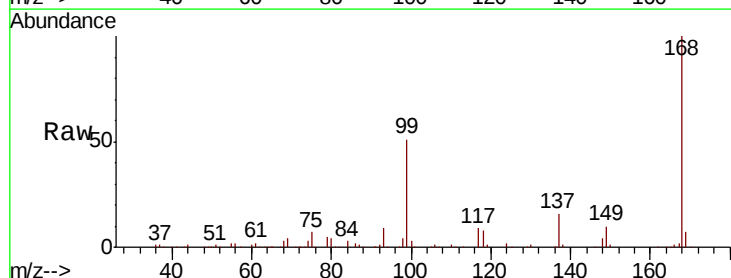
Tgt Ion: 75 Resp: 16296

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

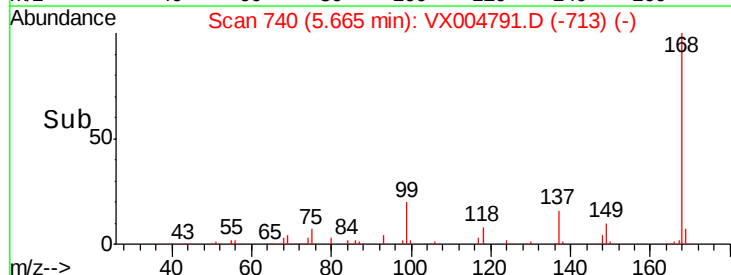
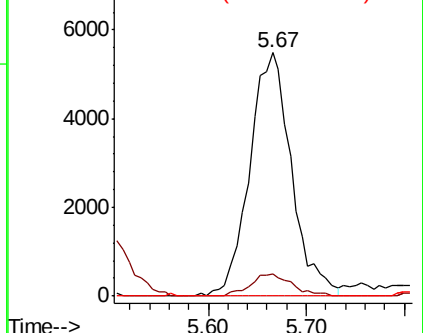
77 0.0 24.6 36.8#

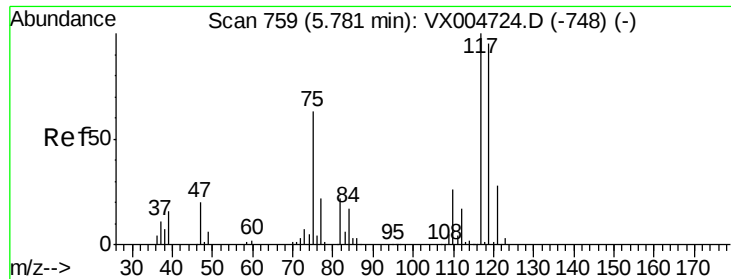


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

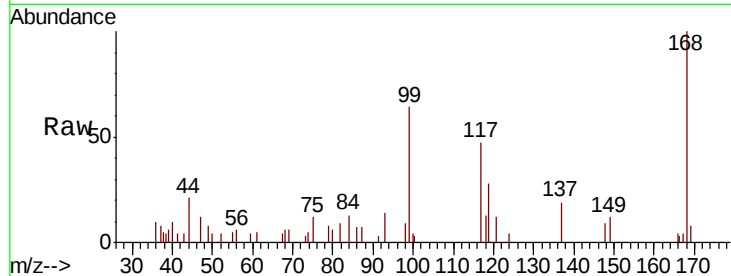




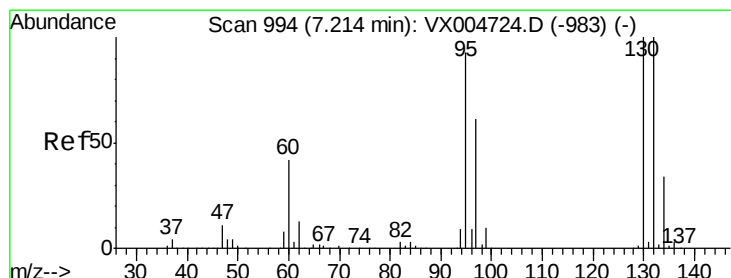
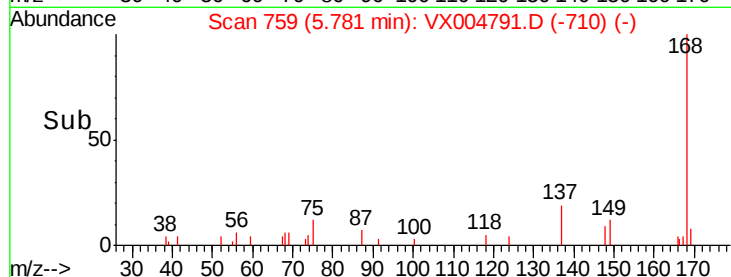
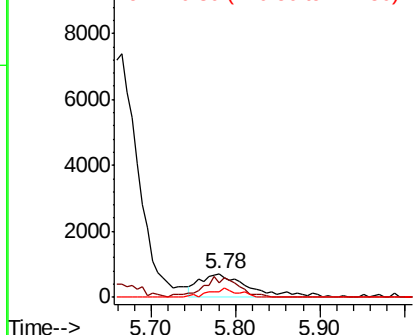
#38  
Carbon Tetrachloride  
Concen: 0.624 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-36-SEP18

Tot Ion:117 Resp: 2925  
Ion Ratio Lower Upper  
117 100  
119 59.3 78.8 118.2#  
121 25.1 24.9 37.3

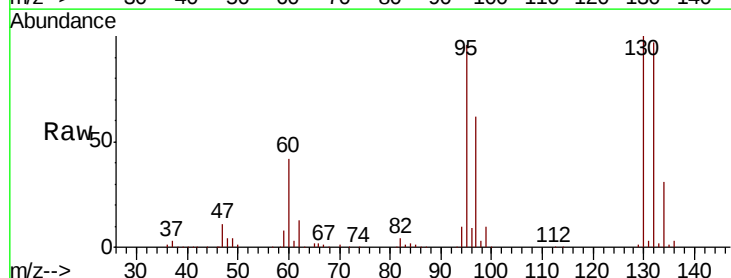


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

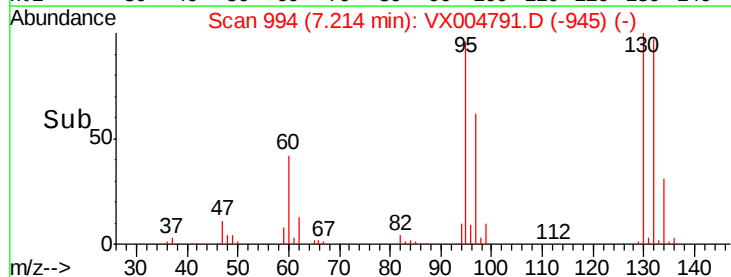
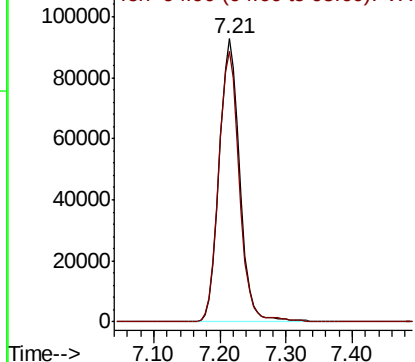


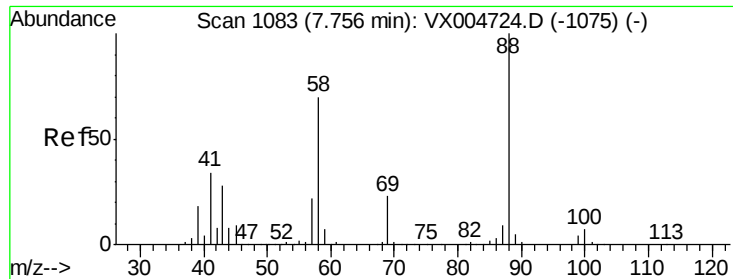
#44  
Trichloroethene  
Concen: 58.064 ug/l  
RT: 7.21 min Scan# 994  
Delta R.T. 0.00 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

Tgt Ion:130 Resp: 199143  
Ion Ratio Lower Upper  
130 100  
95 95.7 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V  
Ion 94.90 (94.60 to 95.60): VX0

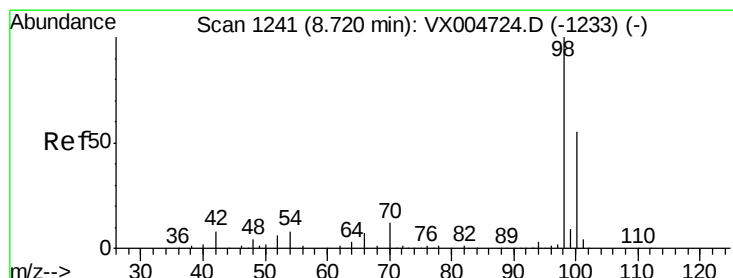
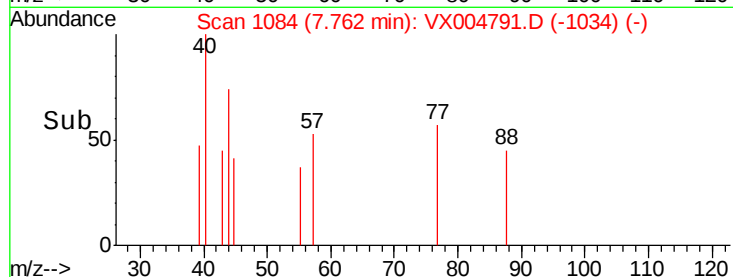
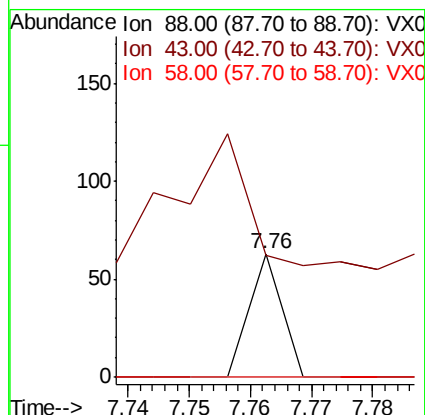
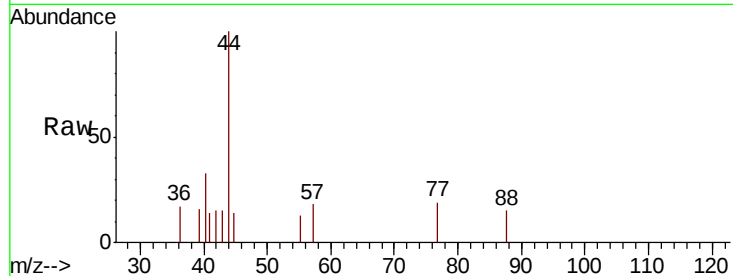




#49  
1,4-Dioxane  
Concen: 0.239 ug/l  
RT: 7.76 min Scan# 1084  
Delta R.T. 0.01 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

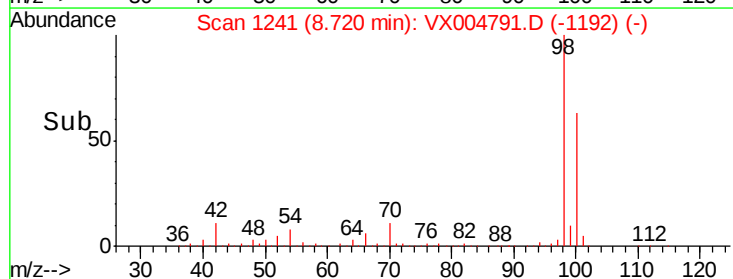
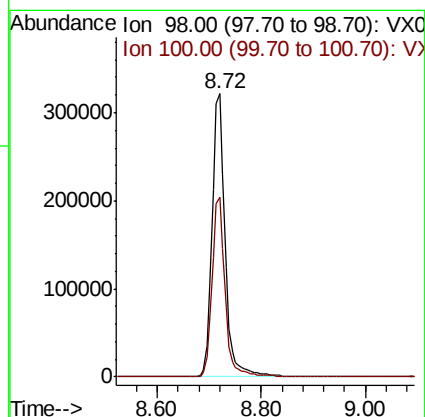
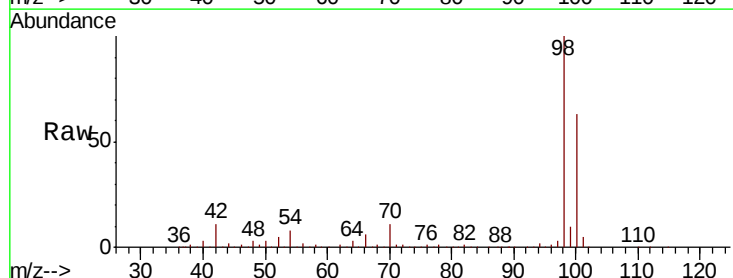
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-36-SEP18

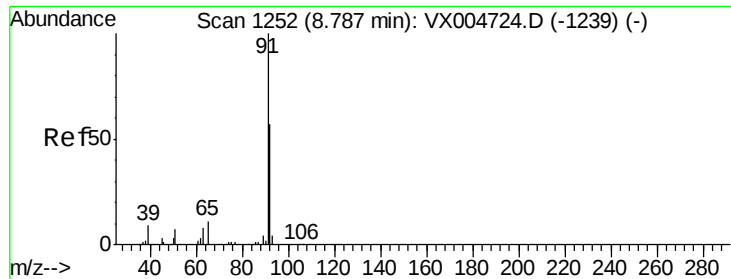
Tot Ion: 88 Resp: 23  
Ion Ratio Lower Upper  
88 100  
43 947.8 24.7 37.1#  
58 0.0 55.3 82.9#



#50  
Toluene-d8  
Concen: 51.583 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

Tgt Ion: 98 Resp: 560119  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.9 79.3





#52

Toluene

Concen: 0.232 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

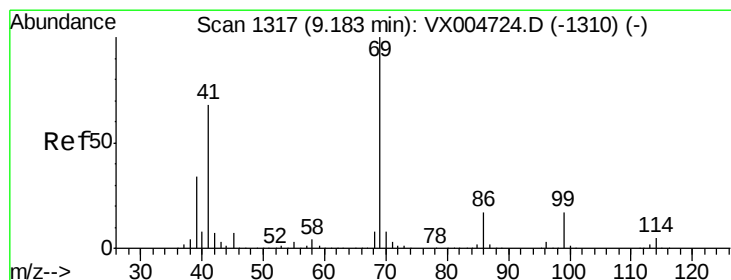
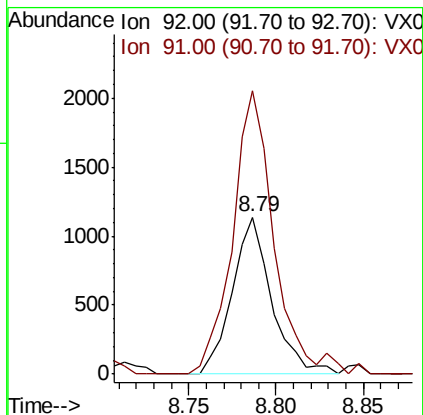
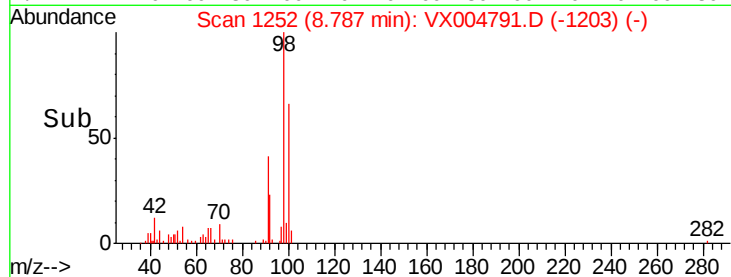
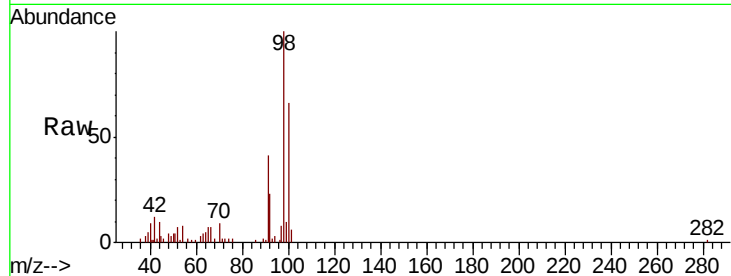
MW-36-SEP18

Tot Ion: 92 Resp: 1779

Ion Ratio Lower Upper

92 100

91 190.2 136.4 204.6



#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

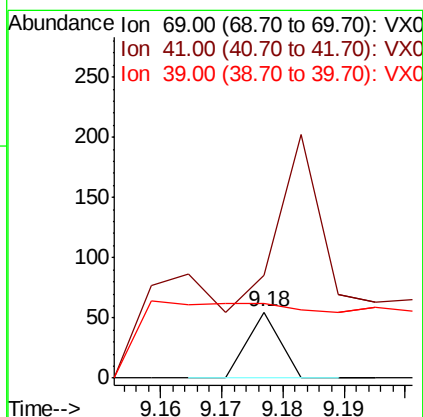
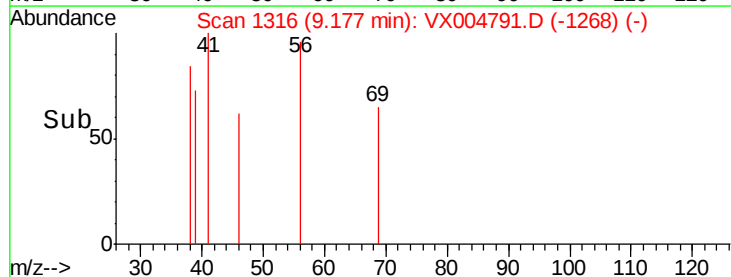
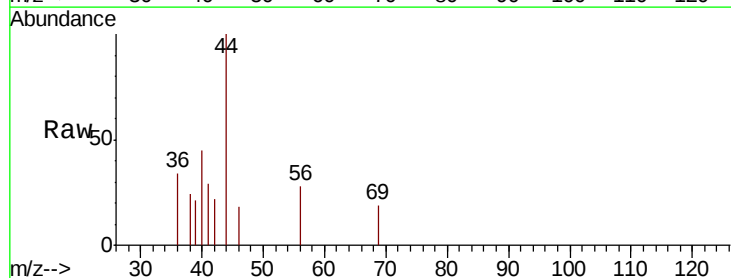
Tgt Ion: 69 Resp: 20

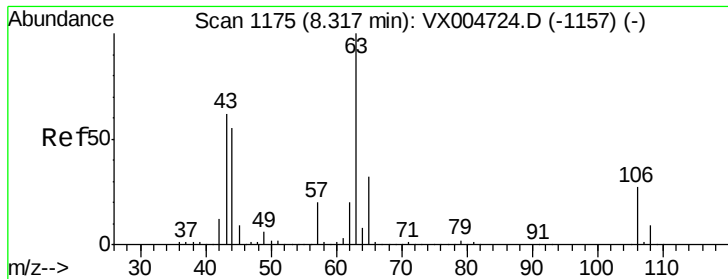
Ion Ratio Lower Upper

69 100

41 1415.0 51.0 76.4#

39 0.0 26.1 39.1#

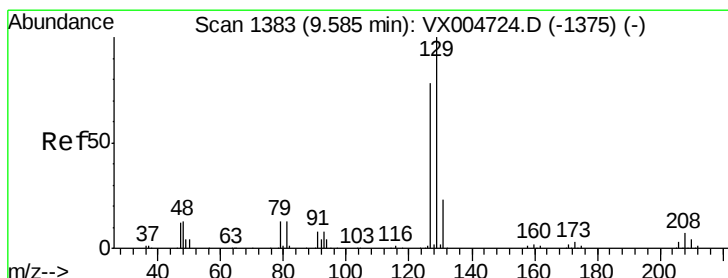
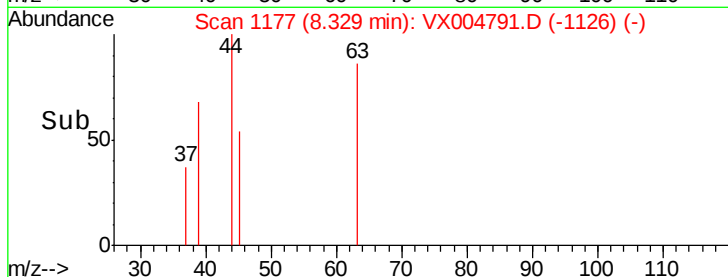
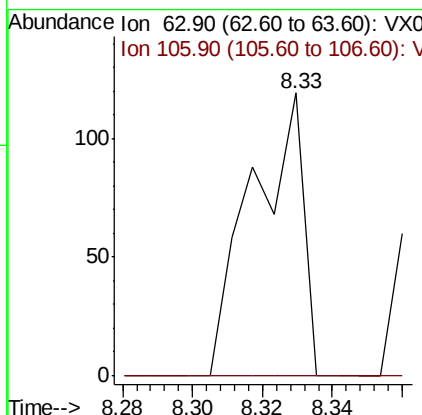
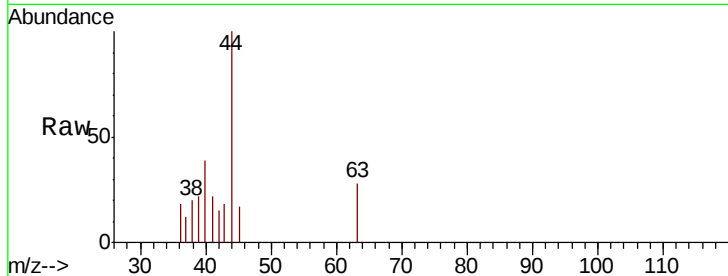




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 14.282 ug/l  
 RT: 8.33 min Scan# 1177  
 Delta R.T. 0.01 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

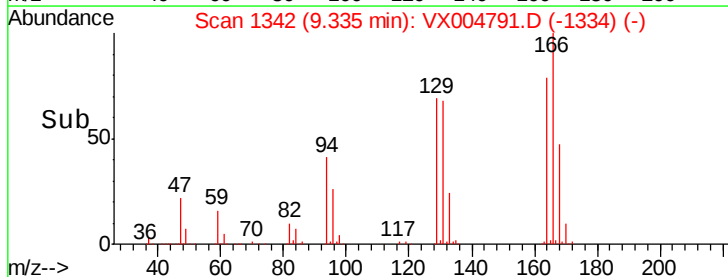
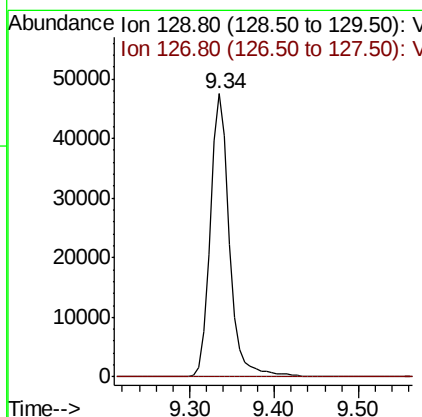
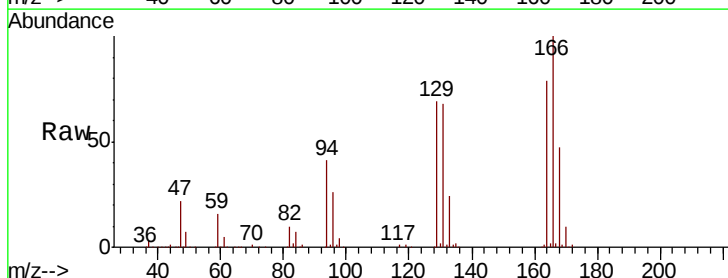
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MW-36-SEP18

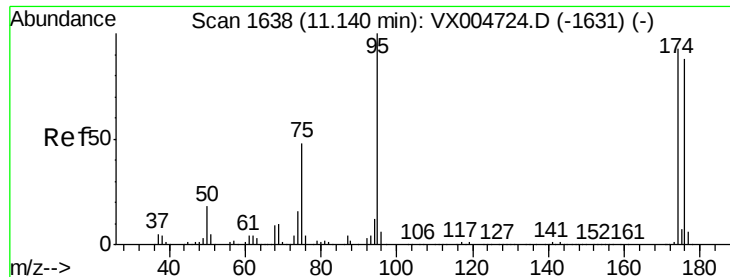
Tot Ion: 63 Resp: 122  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 23.9 35.9#



#60  
 Dibromochloromethane  
 Concen: 22.373 ug/l  
 RT: 9.34 min Scan# 1342  
 Delta R.T. -0.25 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

Tgt Ion: 129 Resp: 75134  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 51.555 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

MW-36-SEP18

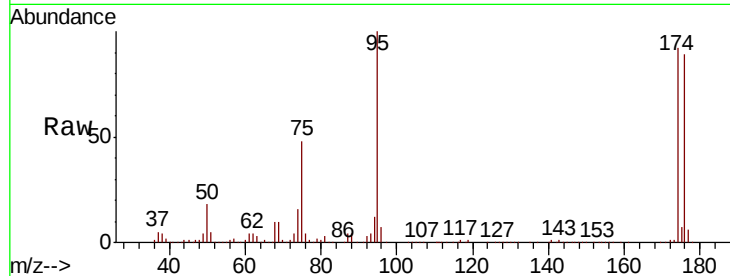
Tot Ion: 95 Resp: 201677

Ion Ratio Lower Upper

95 100

174 89.9 0.0 185.2

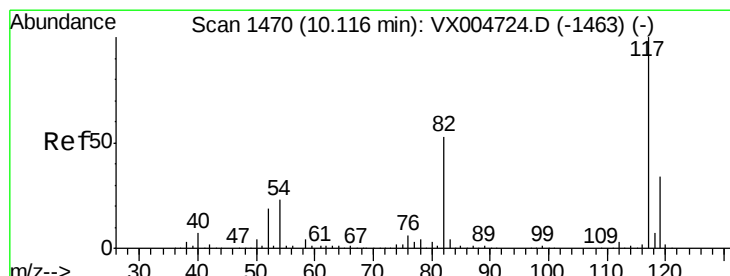
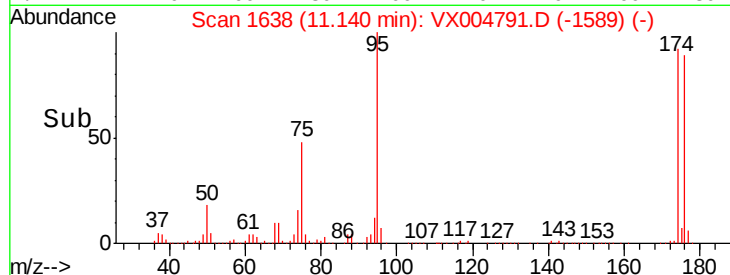
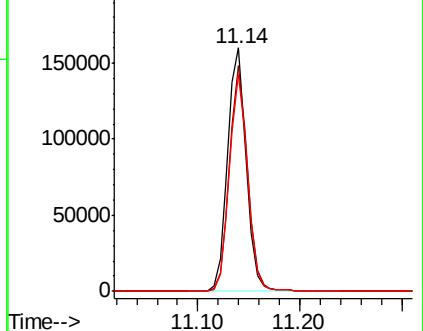
176 86.9 0.0 178.6



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: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

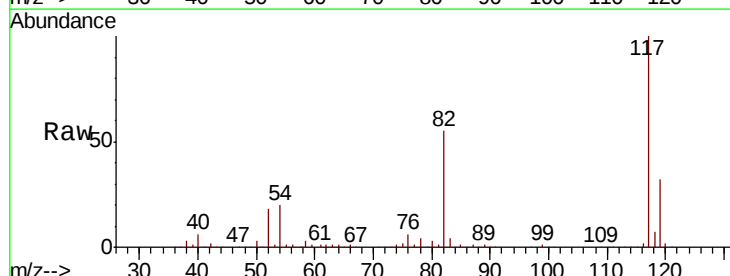
Tgt Ion: 117 Resp: 373369

Ion Ratio Lower Upper

117 100

82 55.3 47.8 71.6

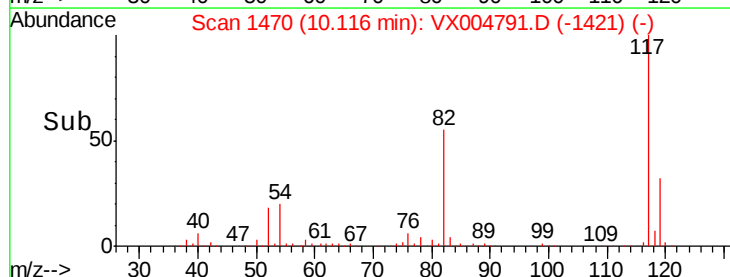
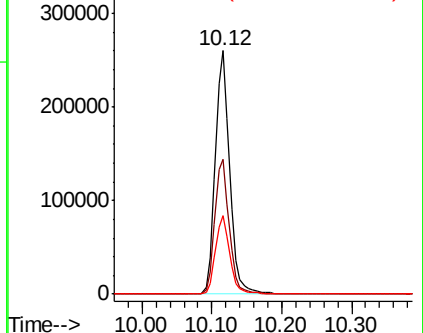
119 32.4 29.3 43.9

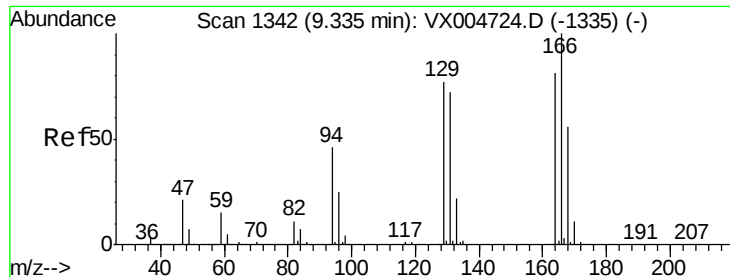


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 23.069 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA\_X

ClientSampleId :

MW-36-SEP18

Tot Ion:164 Resp: 84772

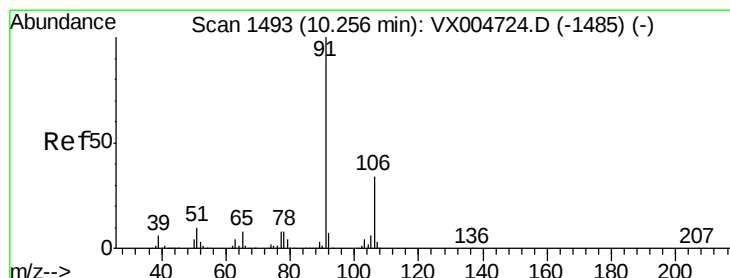
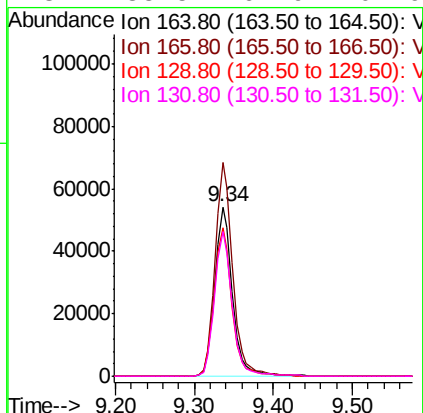
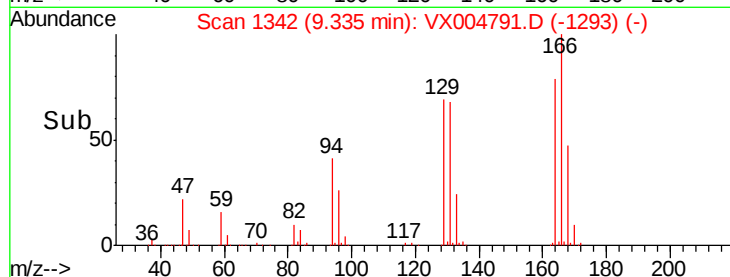
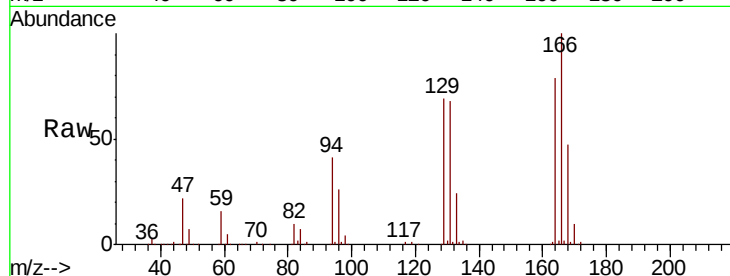
Ion Ratio Lower Upper

164 100

166 126.4 102.8 154.2

129 87.7 69.4 104.0

131 85.5 67.9 101.9



#67

Ethyl Benzene

Concen: 0.245 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004791.D

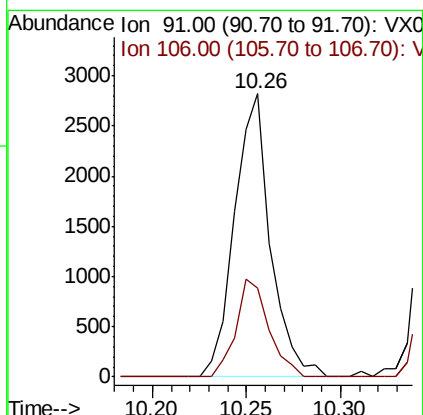
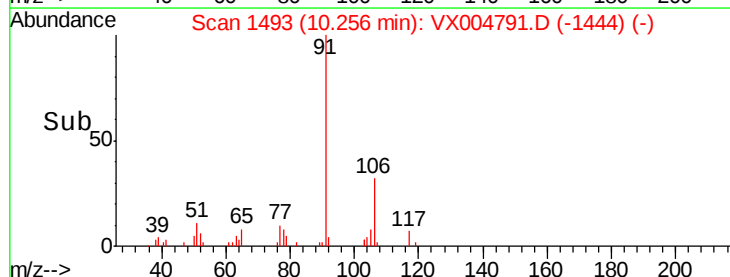
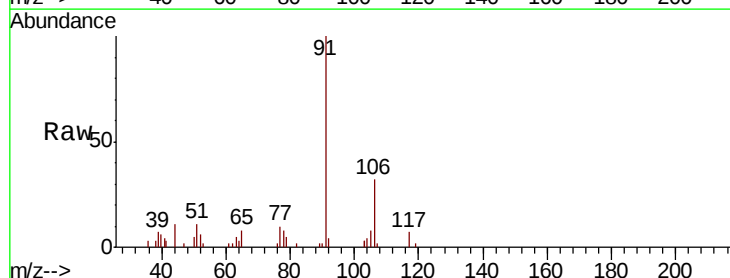
Acq: 27 Sep 2018 23:44

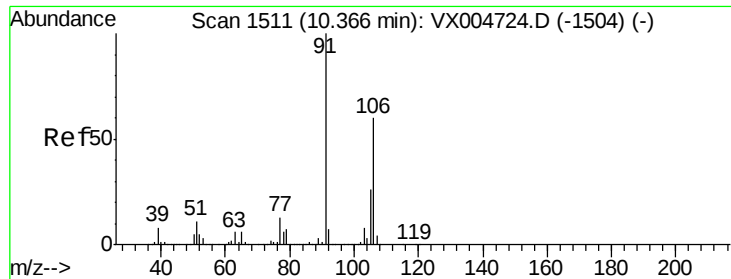
Tgt Ion: 91 Resp: 3731

Ion Ratio Lower Upper

91 100

106 31.5 25.9 38.9

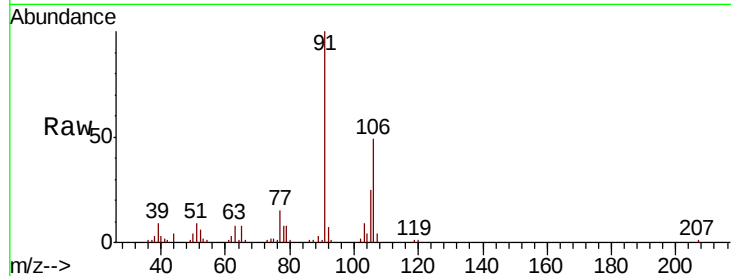




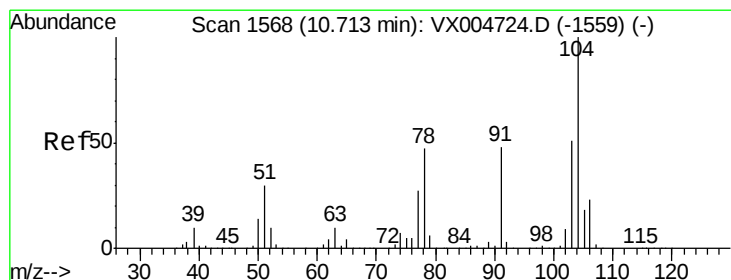
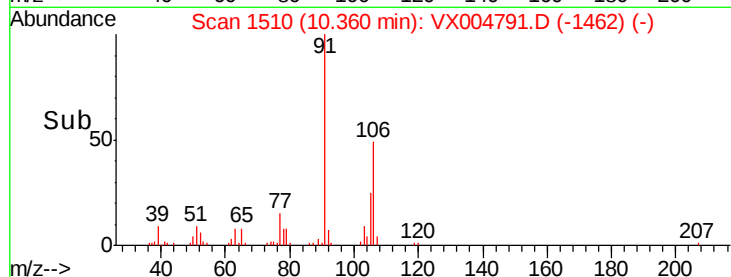
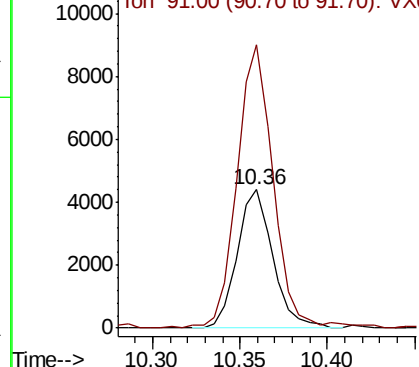
#68  
m/p-Xvlenes  
Concen: 1.046 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.01 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-36-SEP18

Tot Ion:106 Resp: 6214  
Ion Ratio Lower Upper  
106 100  
91 208.9 157.1 235.7

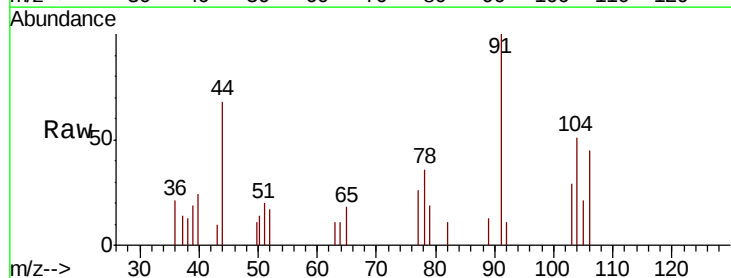


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

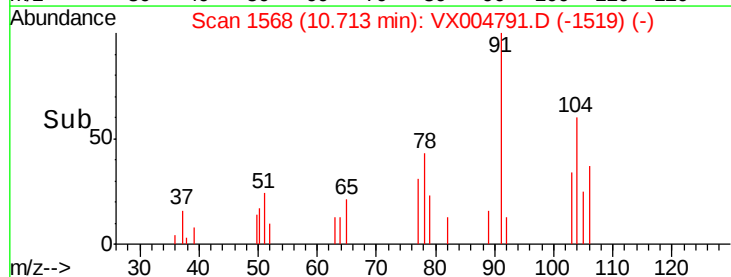
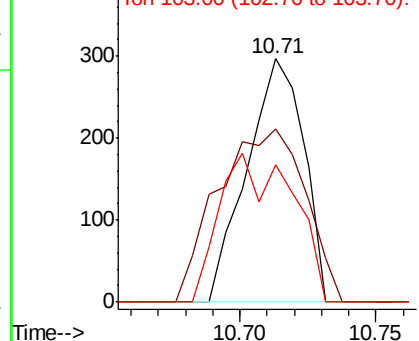


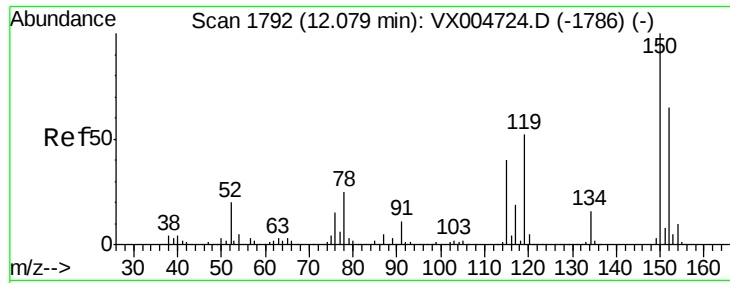
#70  
Styrene  
Concen: 2.181 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

Tgt Ion:104 Resp: 427  
Ion Ratio Lower Upper  
104 100  
78 109.8 37.4 56.0#  
103 78.9 43.8 65.6#



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



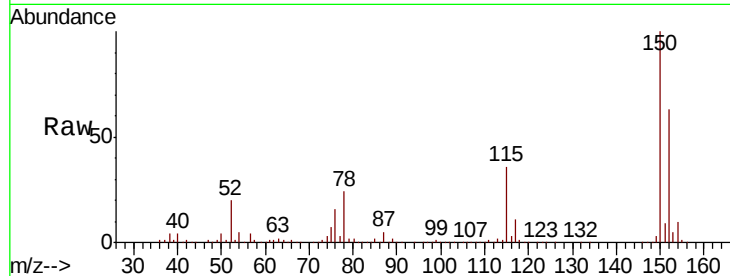


#72

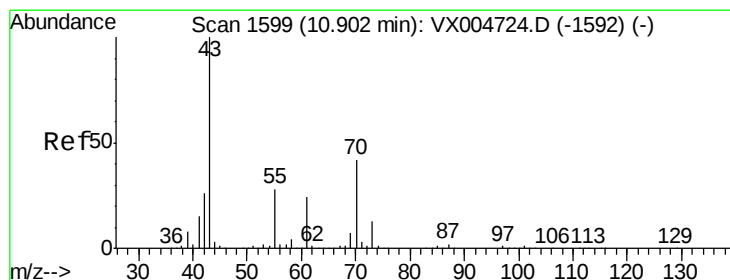
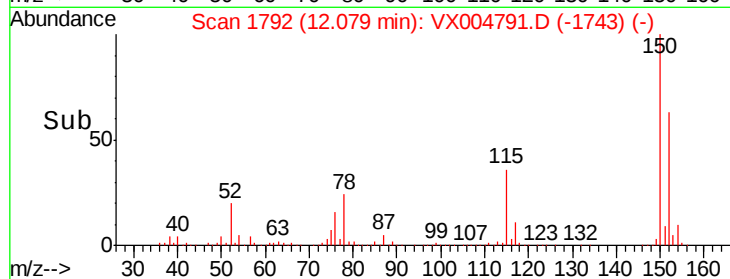
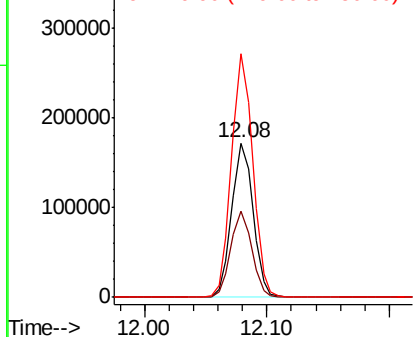
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-36-SEP18

Tot Ion:152 Resp: 205755  
Ion Ratio Lower Upper  
152 100  
115 55.8 39.0 117.0  
150 157.5 0.0 351.0



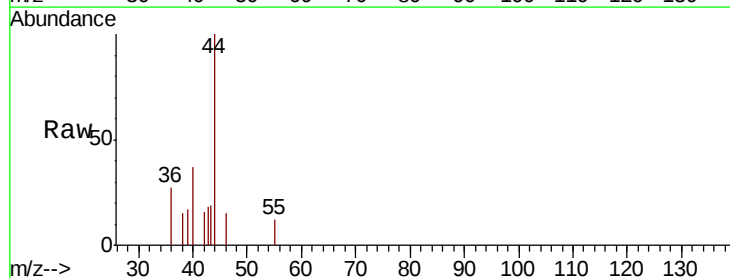
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



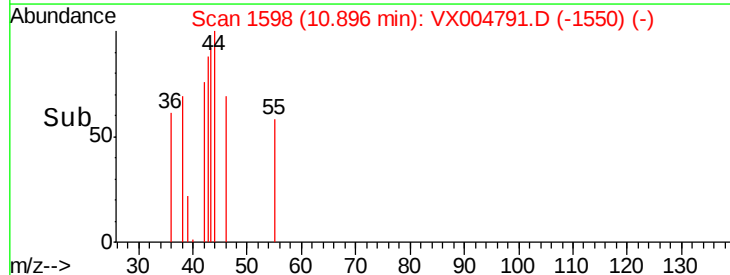
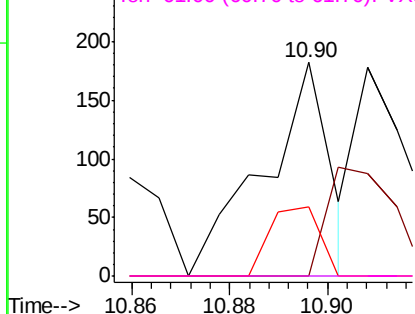
#74

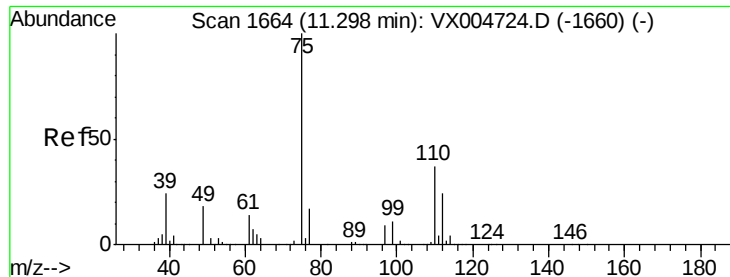
N-ethyl acetate  
Concen: 1.771 ug/l  
RT: 10.90 min Scan# 1598  
Delta R.T. -0.01 min  
Lab File: VX004791.D  
Acq: 27 Sep 2018 23:44

Tgt Ion: 43 Resp: 172  
Ion Ratio Lower Upper  
43 100  
70 50.6 37.4 56.0  
55 24.4 21.8 32.8  
61 0.0 20.6 30.8#



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

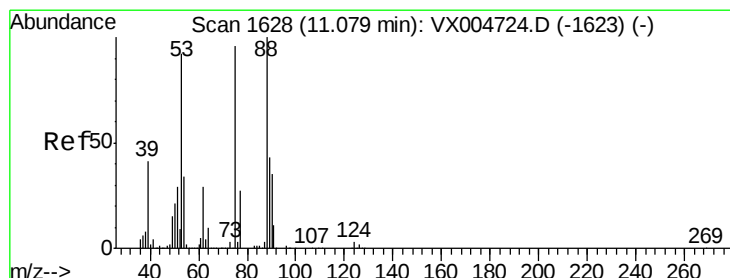
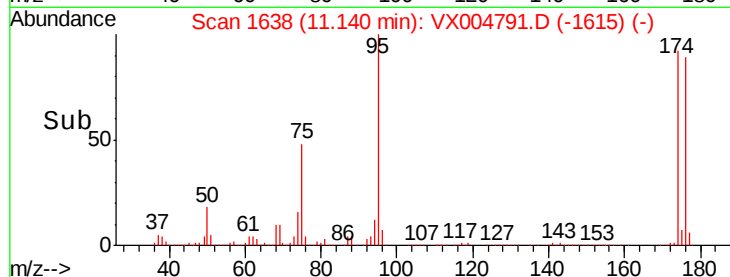
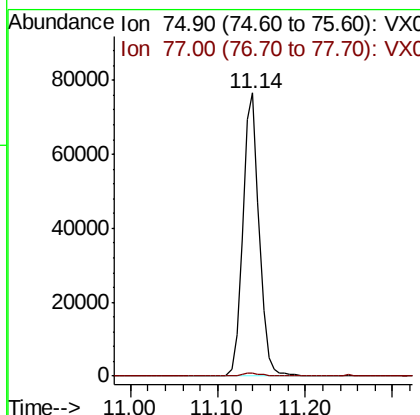
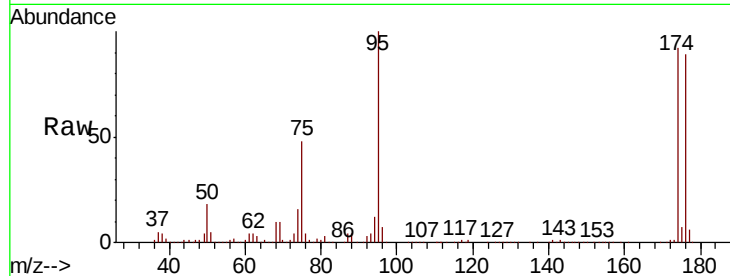




#76  
 1,2,3-Trichloropropane  
 Concen: 21.488 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. -0.16 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

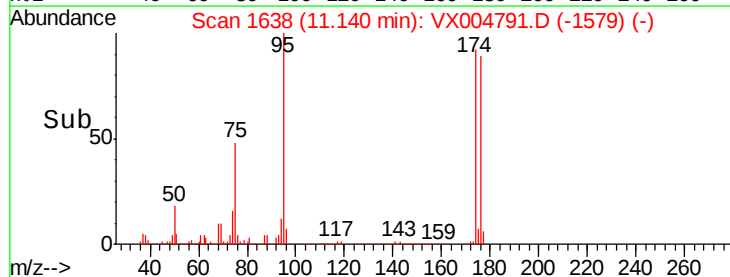
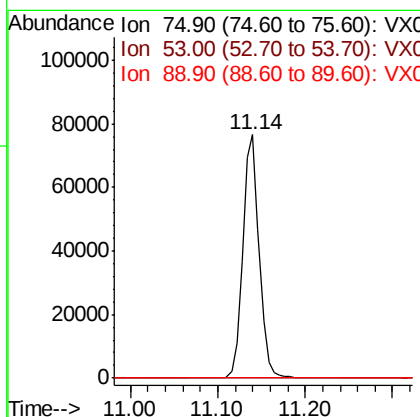
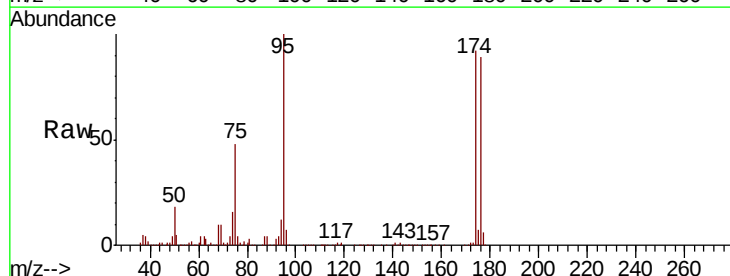
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-36-SEP18

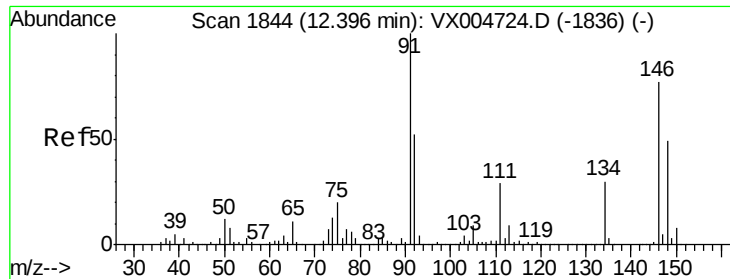
Tot Ion: 75 Resp: 99095  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 20.2 60.6#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 58.263 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. 0.06 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

Tgt Ion: 75 Resp: 99095  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 80.1 120.1#  
 89 0.0 37.2 55.8#

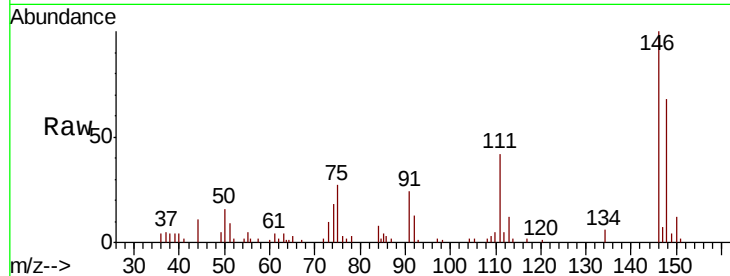




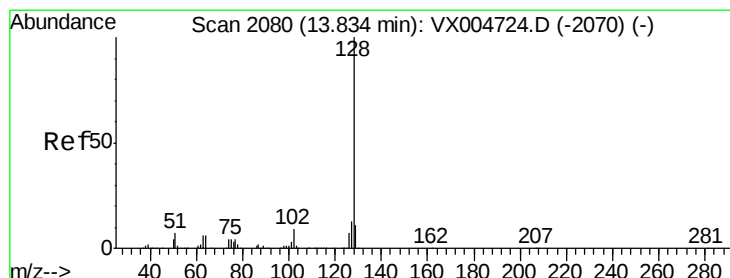
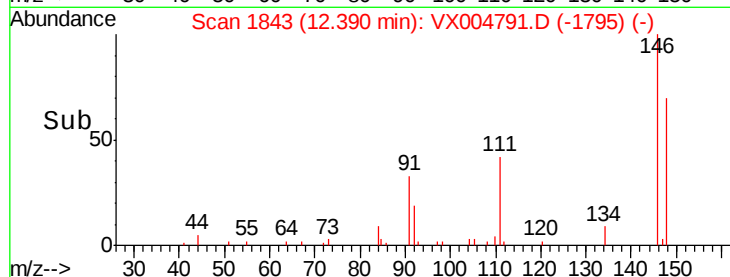
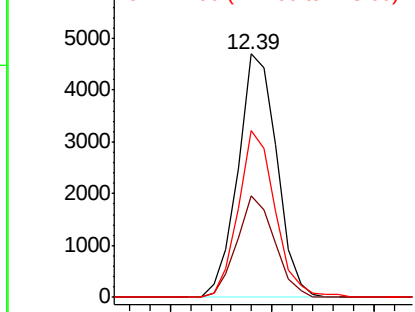
#91  
 1,2-Dichlorobenzene  
 Concen: 0.846 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.01 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-36-SEP18

Tot Ion:146 Resp: 6219  
 Ion Ratio Lower Upper  
 146 100  
 111 40.2 19.4 58.1  
 148 65.3 32.8 98.3

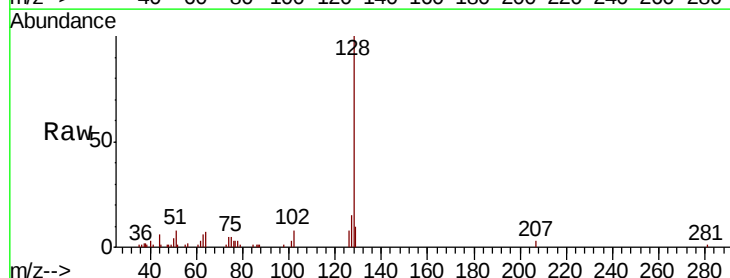


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V



#95  
 Naphthalene  
 Concen: 1.164 ug/l  
 RT: 13.83 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: VX004791.D  
 Acq: 27 Sep 2018 23:44

Tgt Ion:128 Resp: 7717  
 Ion Ratio Lower Upper  
 128 100  
 127 13.8 10.2 15.2  
 129 10.1 8.6 12.8



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

