

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\  
 Data File : VX006654.D  
 Acq On : 19 Dec 2018 22:58  
 Operator : JC/MD  
 Sample : J6199-12  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-02-121818-B

Quant Time: Dec 20 04:06:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 19 15:20:58 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 633726   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1009417  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 967630   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 463410   | 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   | 350484   | 51.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.64% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 299751   | 46.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.92%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1228944  | 51.07 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.14% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 448471   | 50.88 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.76% |          |

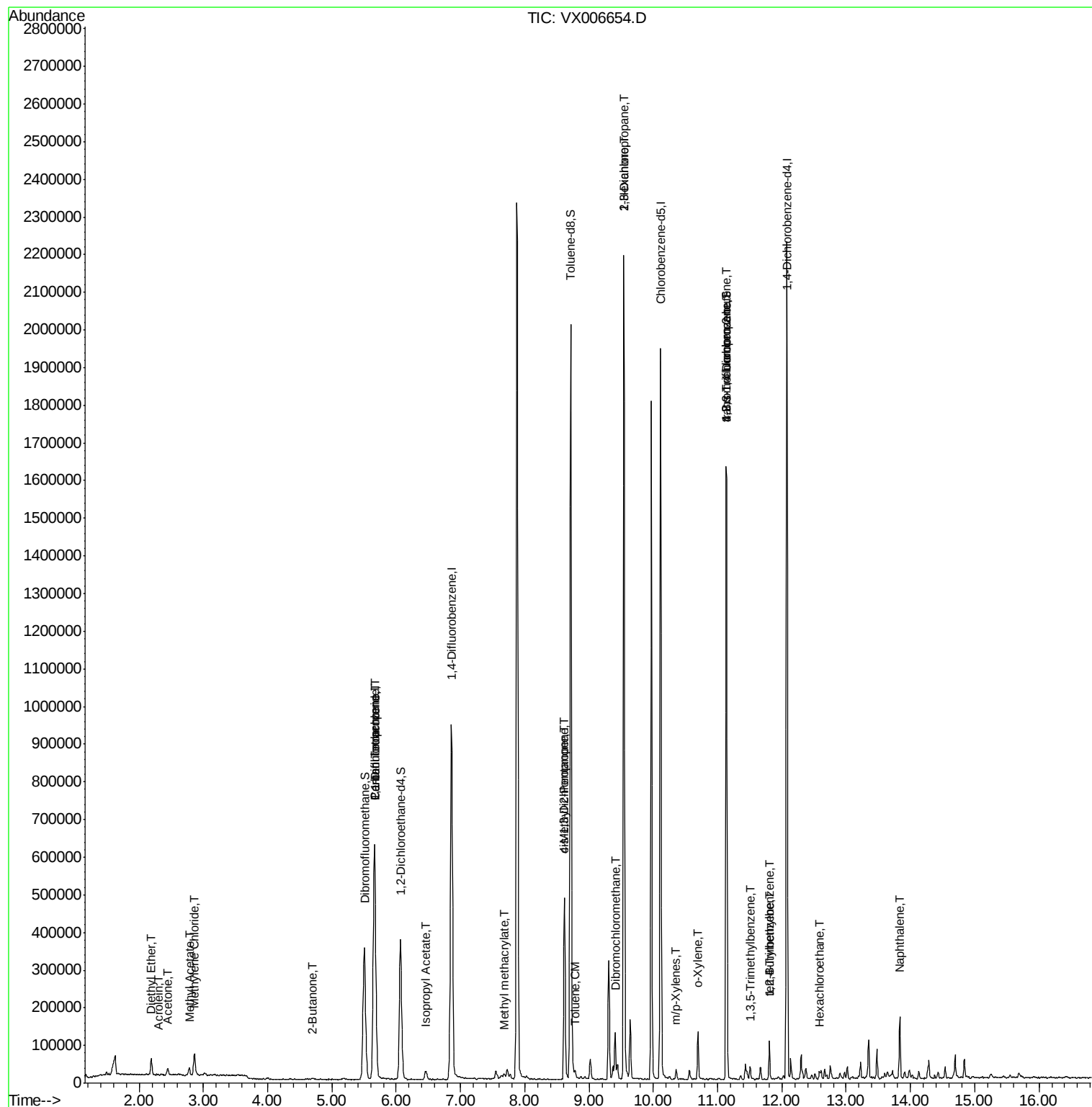
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 1.62  | 94   | 248      | Below Cal | #      | 53     |
| 8) Diethyl Ether               | 2.19  | 74   | 15355    | 3.801     | ug/l   | 96     |
| 13) Acrolein                   | 2.31  | 56   | 655      | 0.637     | ug/l # | 41     |
| 16) Acetone                    | 2.45  | 43   | 19695    | 6.276     | ug/l   | 93     |
| 18) Methyl Acetate             | 2.78  | 43   | 23614    | 2.559     | ug/l   | 97     |
| 20) Methylene Chloride         | 2.86  | 84   | 28078    | 4.327     | ug/l   | 92     |
| 25) 2-Butanone                 | 4.70  | 43   | 2717     | 0.616     | ug/l # | 78     |
| 28) Bromochloromethane         | 5.02  | 49   | 297      | Below Cal | #      | 18     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 41002    | 4.904     | ug/l # | 44     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 60047    | 7.390     | ug/l # | 15     |
| 43) Isopropyl Acetate          | 6.46  | 43   | 29362    | 2.218     | ug/l   | 99     |
| 48) Methyl methacrylate        | 7.68  | 41   | 15389    | 2.286     | ug/l # | 11     |
| 49) 1,4-Dioxane                | 7.73  | 88   | 132      | Below Cal | #      | 1      |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 155199   | 18.423    | ug/l # | 48     |
| 52) Toluene                    | 8.79  | 92   | 4115     | 0.251     | ug/l   | 86     |
| 54) cis-1,3-Dichloropropene    | 8.62  | 75   | 79625    | 8.960     | ug/l # | 63     |
| 57) 1,3-Dichloropropane        | 9.54  | 76   | 20741    | 1.918     | ug/l # | 43     |
| 59) 2-Hexanone                 | 9.54  | 43   | 239698   | 37.189    | ug/l # | 51     |
| 60) Dibromochloromethane       | 9.41  | 129  | 69       | 2.334     | ug/l   | 72     |
| 68) m/p-Xylenes                | 10.35 | 106  | 5835     | 0.442     | ug/l   | 98     |
| 69) o-Xylene                   | 10.69 | 106  | 6094     | 0.468     | ug/l   | 92     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 209833   | 24.365    | ug/l # | 40     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 14931    | 0.572     | ug/l   | 98     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 209833   | 72.105    | ug/l # | 10     |
| 83) tert-Butylbenzene          | 11.80 | 119  | 5504     | 0.211     | ug/l # | 47     |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 43807    | 1.595     | ug/l   | 97     |
| 90) Hexachloroethane           | 12.58 | 117  | 1032     | 3.512     | ug/l # | 6      |
| 95) Naphthalene                | 13.83 | 128  | 100331   | 2.949     | ug/l   | 99     |

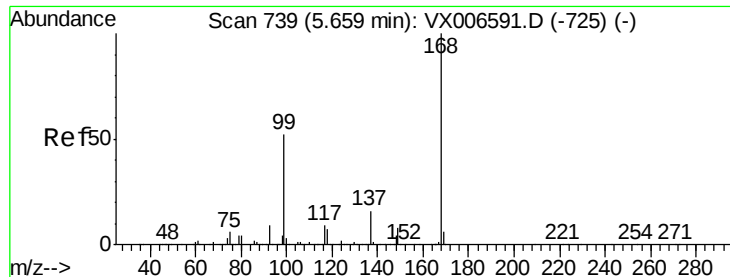
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121918\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-02-121818-B

Quant Time: Dec 20 04:06:37 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 19 15:20:58 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: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

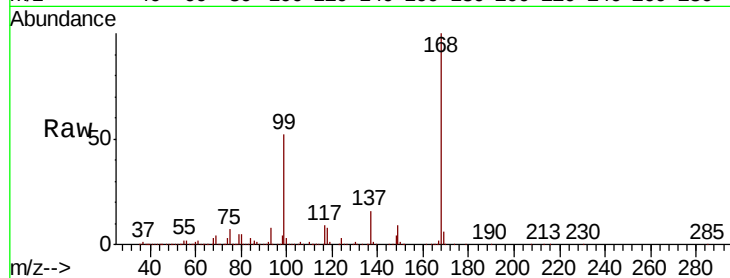
SU-02-121818-B

Tot Ion:168 Resp: 633726

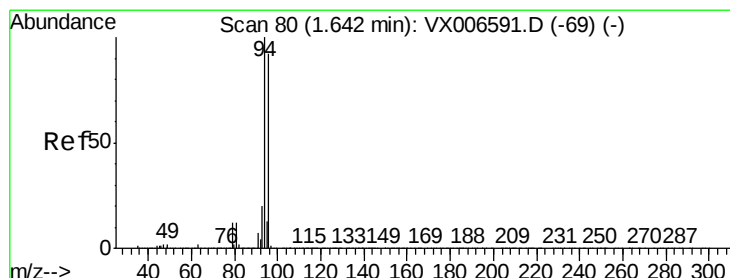
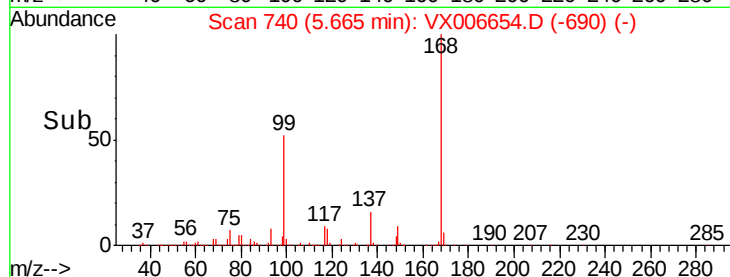
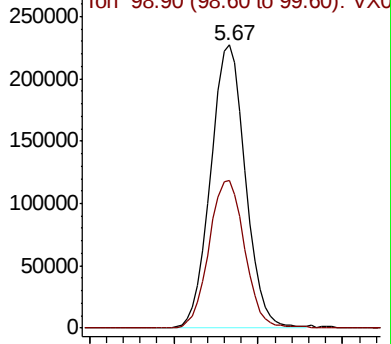
Ion Ratio Lower Upper

168 100

99 52.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006654.D (-690) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX006654.D

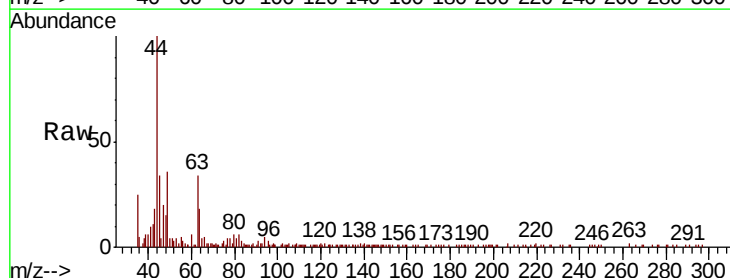
Acq: 19 Dec 2018 22:58

Tgt Ion: 94 Resp: 248

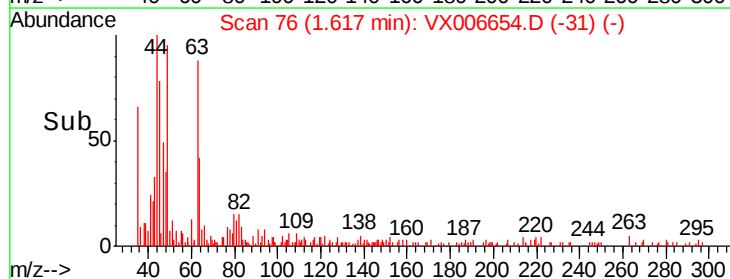
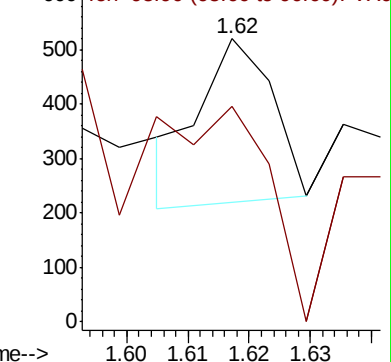
Ion Ratio Lower Upper

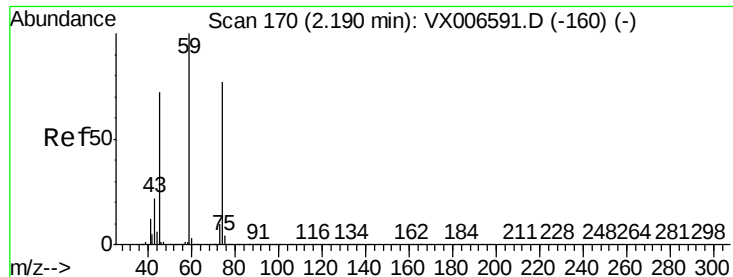
94 100

96 136.6 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX006654.D (-31) (-)





#8

Diethyl Ether

Concen: 3.801 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

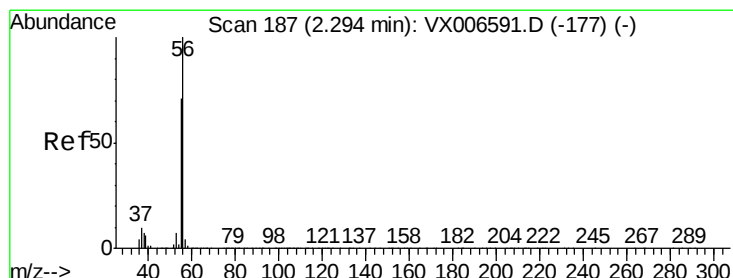
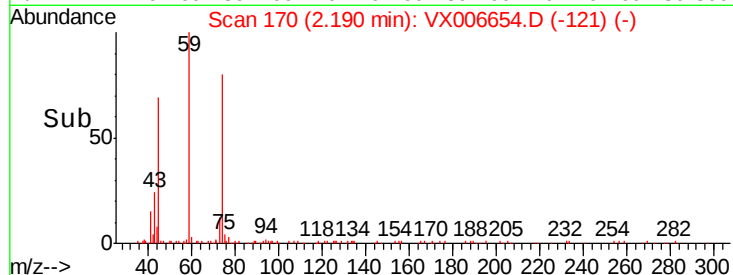
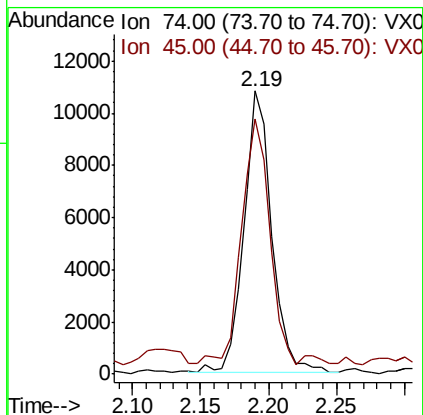
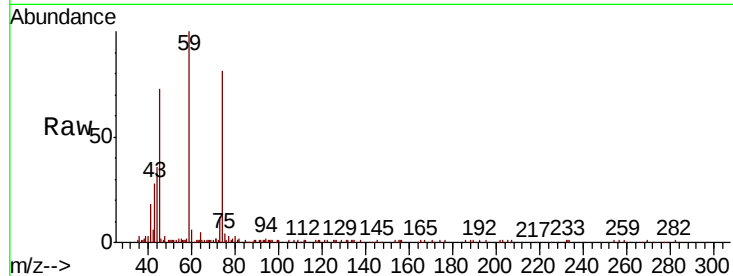
SU-02-121818-B

Tot Ion: 74 Resp: 15355

Ion Ratio Lower Upper

74 100

45 88.7 46.3 138.9



#13

Acrolein

Concen: 0.637 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006654.D

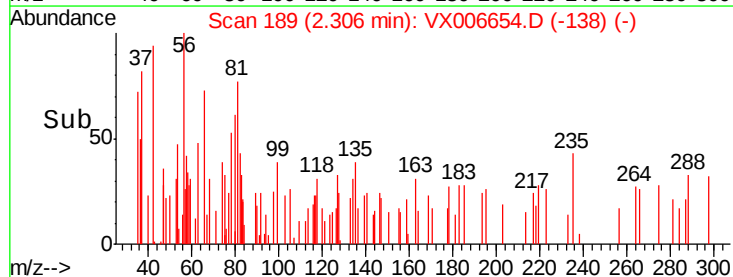
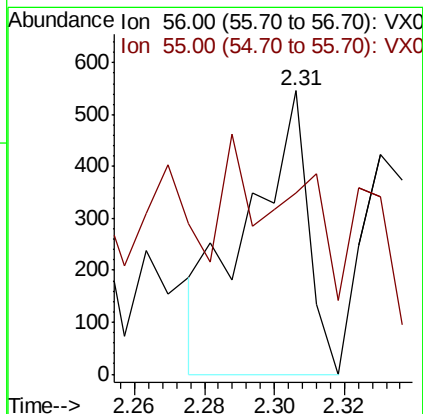
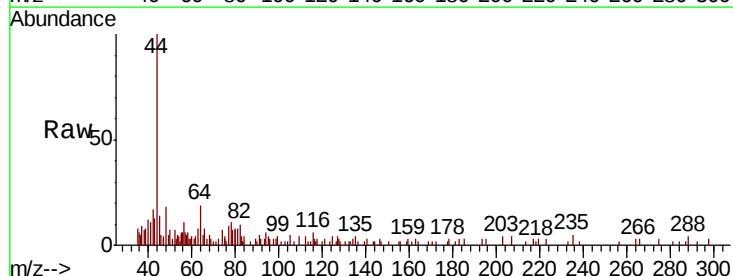
Acq: 19 Dec 2018 22:58

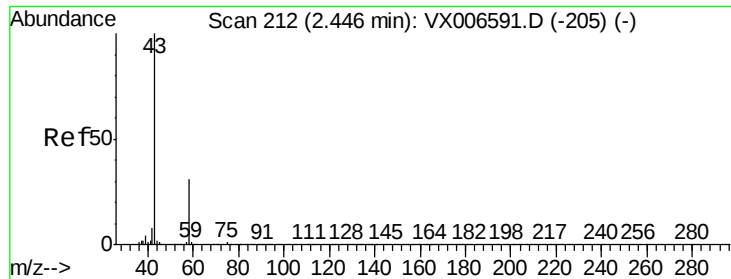
Tgt Ion: 56 Resp: 655

Ion Ratio Lower Upper

56 100

55 23.2 58.2 87.4#

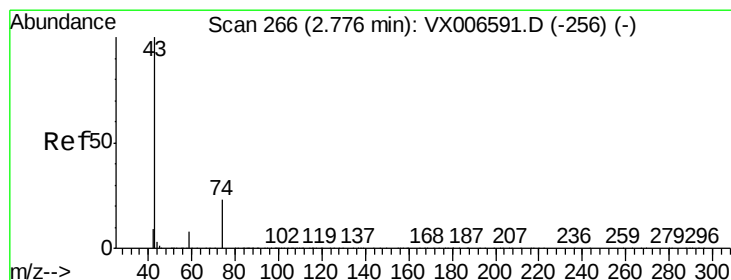
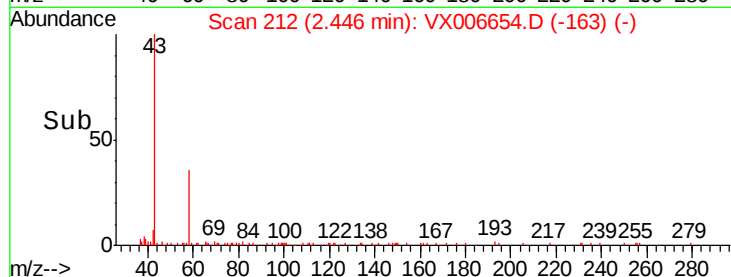
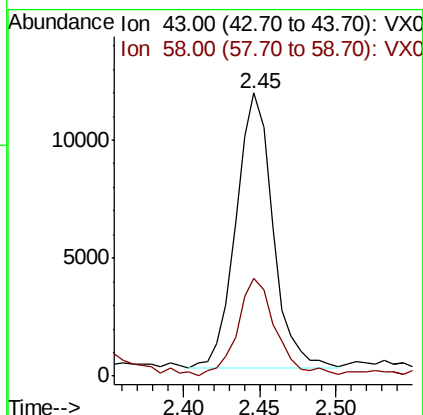
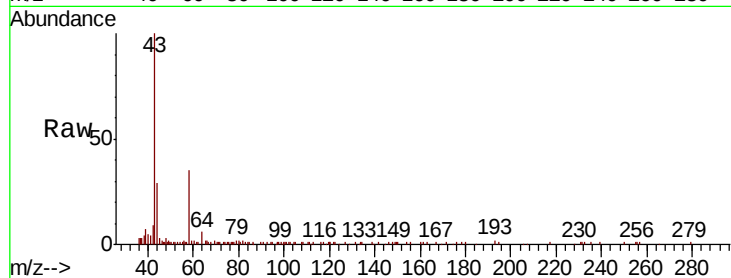




#16  
Acetone  
Concen: 6.276 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX006654.D  
Acq: 19 Dec 2018 22:58

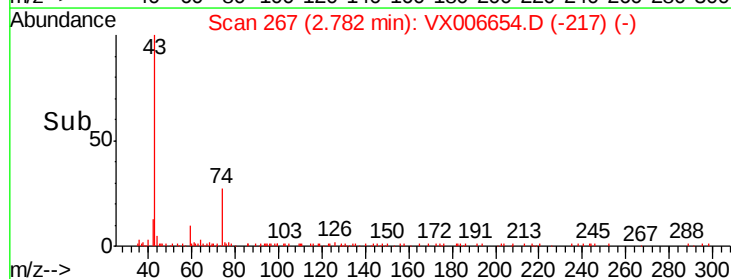
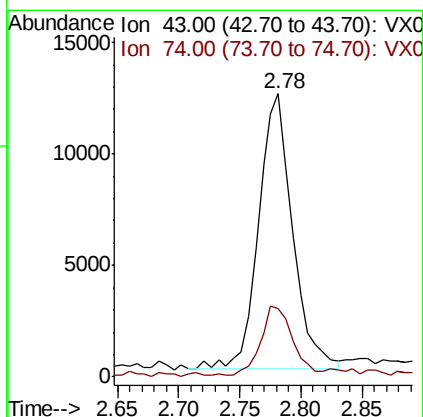
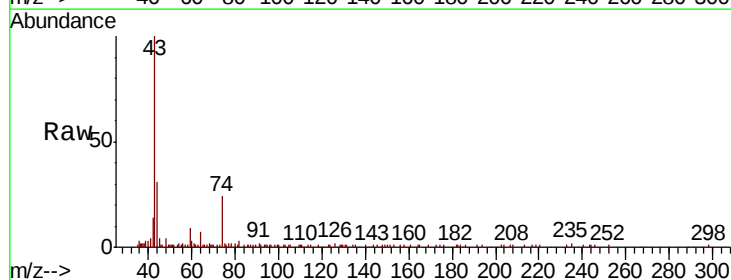
Instrument :  
MSVOA\_X  
ClientSampled :  
SU-02-121818-B

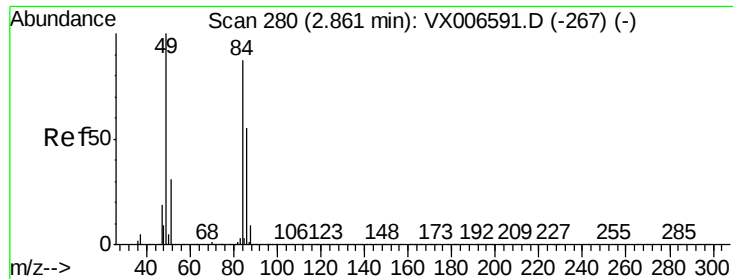
Tot Ion: 43 Resp: 19695  
Ion Ratio Lower Upper  
43 100  
58 35.0 25.0 37.6



#18  
Methyl Acetate  
Concen: 2.559 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.01 min  
Lab File: VX006654.D  
Acq: 19 Dec 2018 22:58

Tgt Ion: 43 Resp: 23614  
Ion Ratio Lower Upper  
43 100  
74 24.7 18.6 28.0

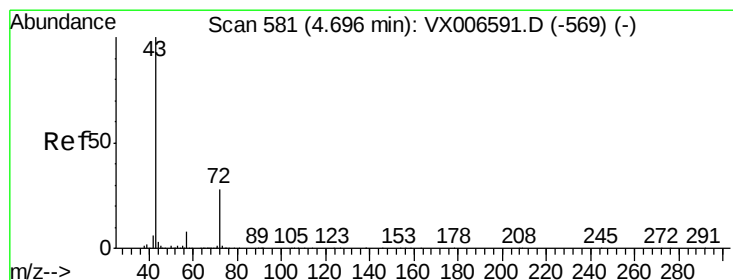
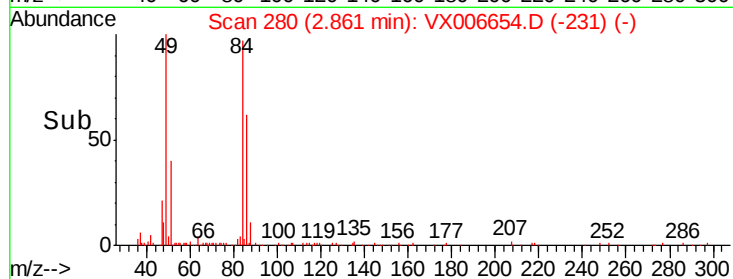
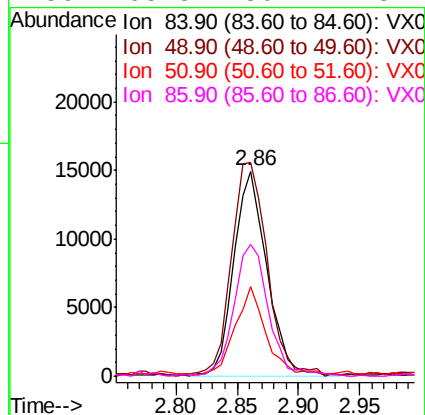
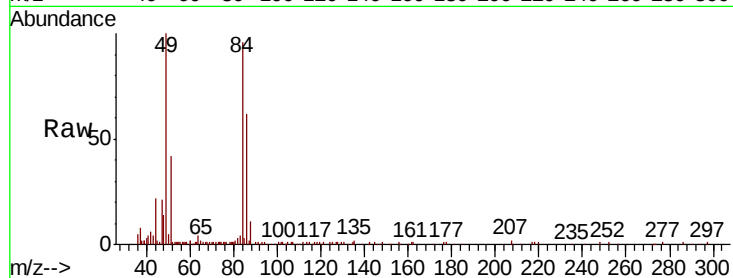




#20  
Methvlene Chloride  
Concen: 4.327 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. -0.00 min  
Lab File: VX006654.D  
Acq: 19 Dec 2018 22:58

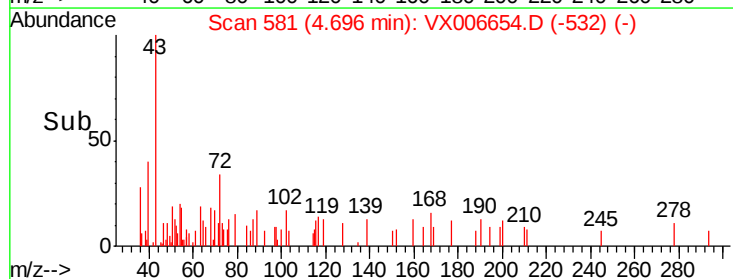
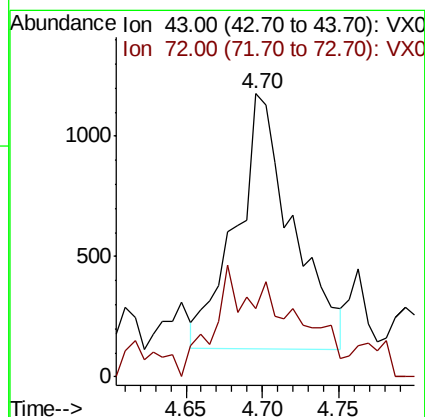
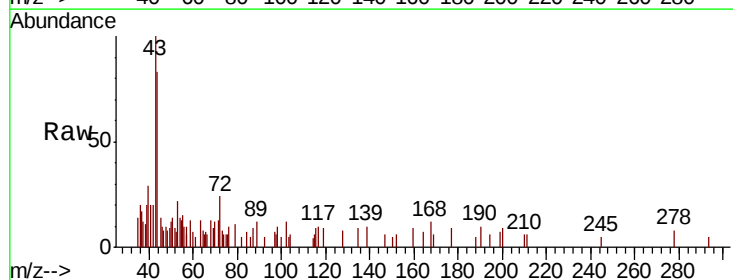
Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-02-121818-B

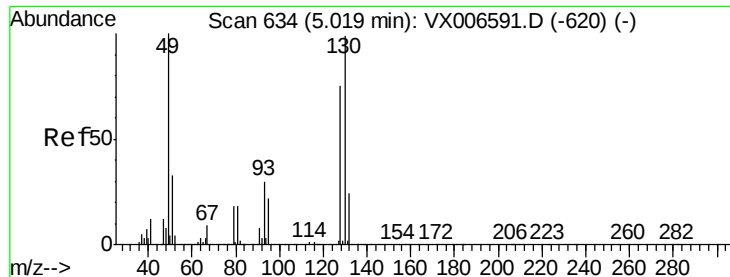
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 28078 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 103.7 | 91.8  | 137.6 |
| 51       | 42.2  | 28.5  | 42.7  |
| 86       | 63.8  | 50.2  | 75.2  |



#25  
2-Butanone  
Concen: 0.616 ug/l  
RT: 4.70 min Scan# 581  
Delta R.T. -0.00 min  
Lab File: VX006654.D  
Acq: 19 Dec 2018 22:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2717  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 16.5  | 22.4  | 33.6# |





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-121818-B

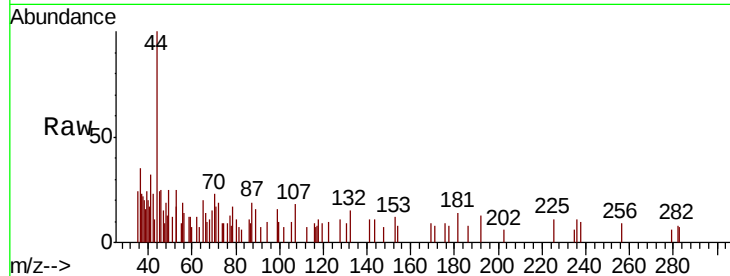
Tot Ion: 49 Resp: 297

Ion Ratio Lower Upper

49 100

129 10.4 0.0 5.4#

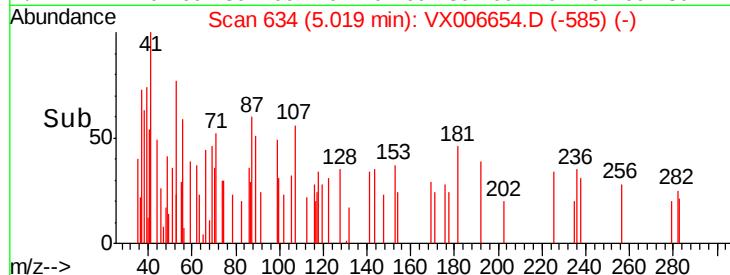
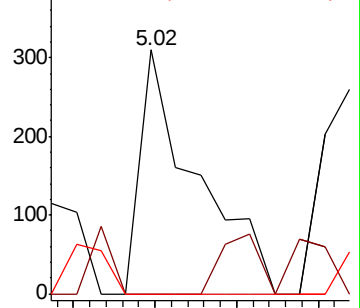
130 14.5 77.7 116.5#



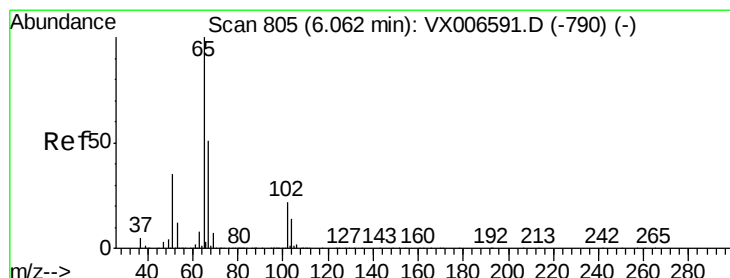
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.315 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006654.D

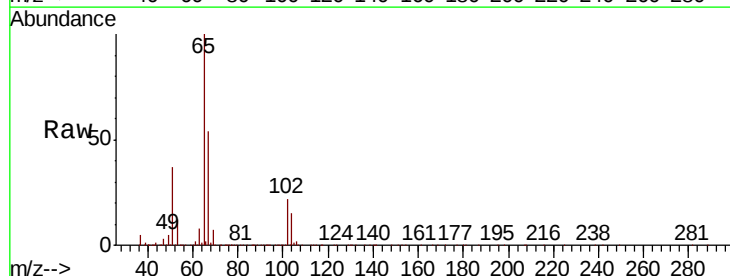
Acq: 19 Dec 2018 22:58

Tgt Ion: 65 Resp: 350484

Ion Ratio Lower Upper

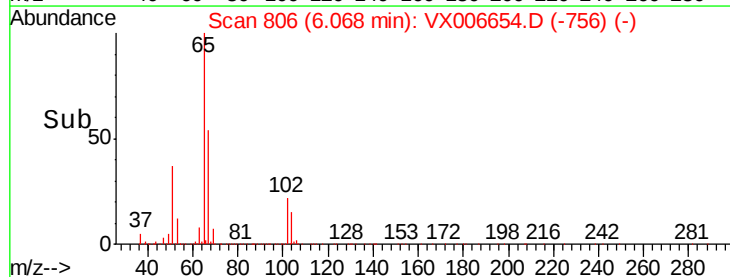
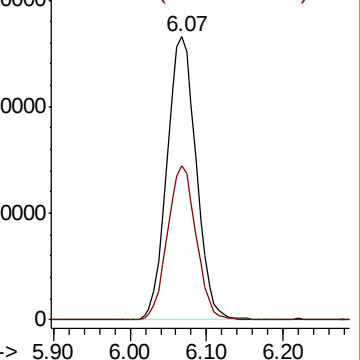
65 100

67 53.8 0.0 105.0

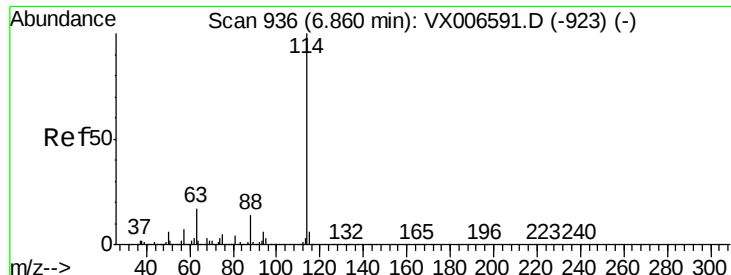


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-121818-B

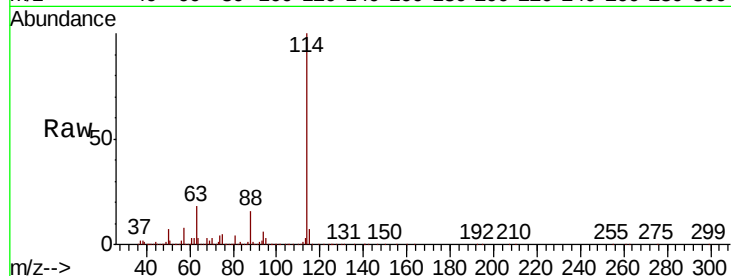
Tot Ion:114 Resp: 1009417

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

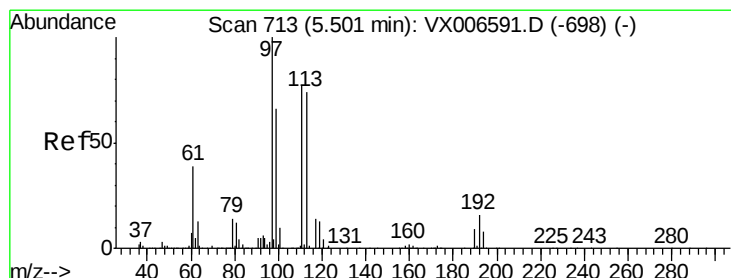
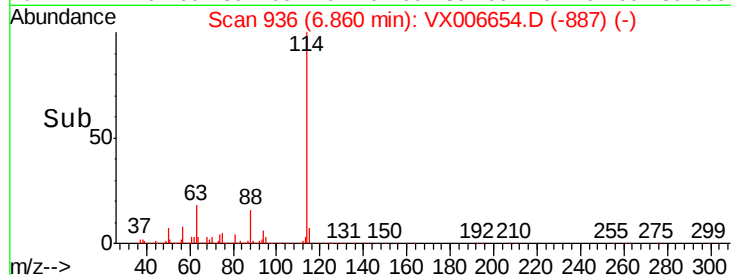
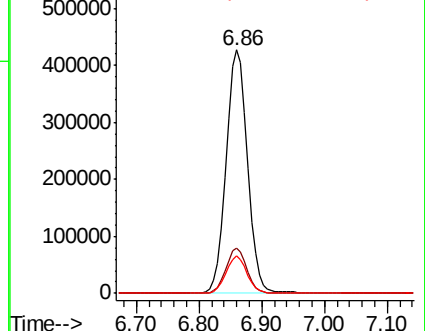
88 15.7 0.0 28.8



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: 46.958 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

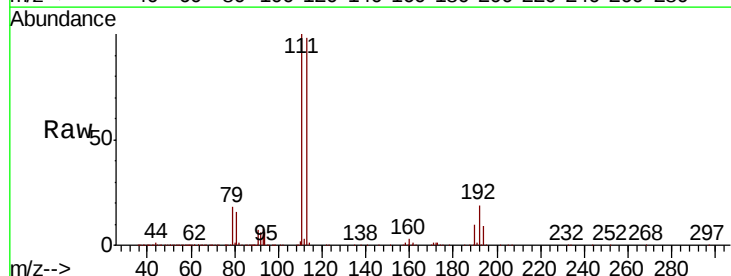
Tgt Ion:113 Resp: 299751

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

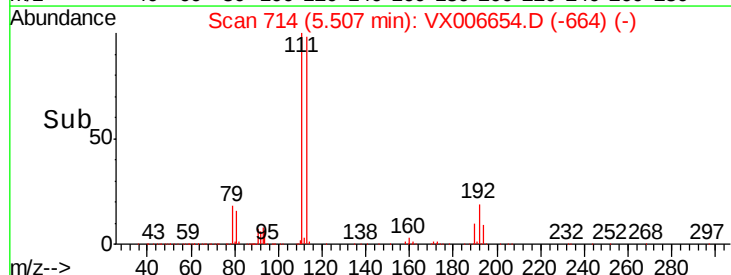
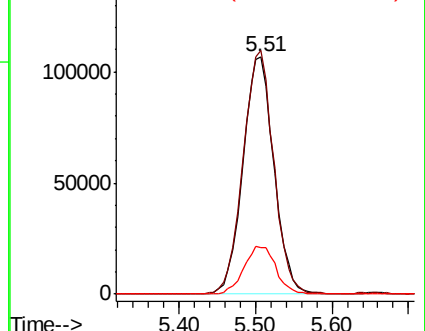
192 20.8 16.7 25.1

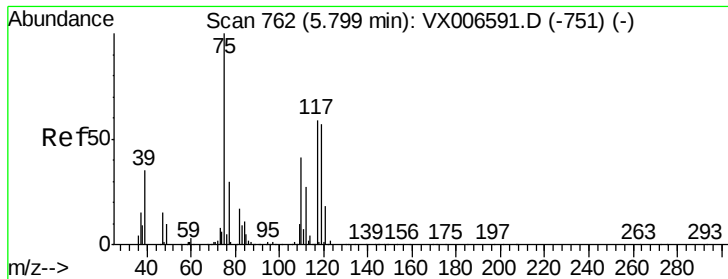


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.904 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-121818-B

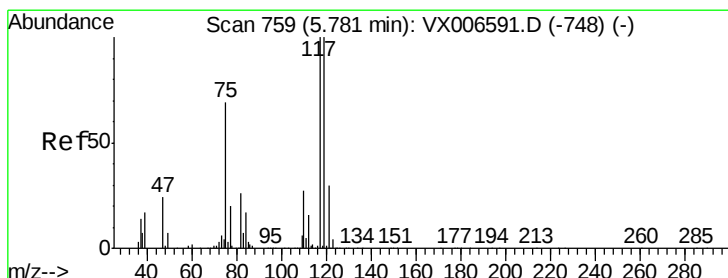
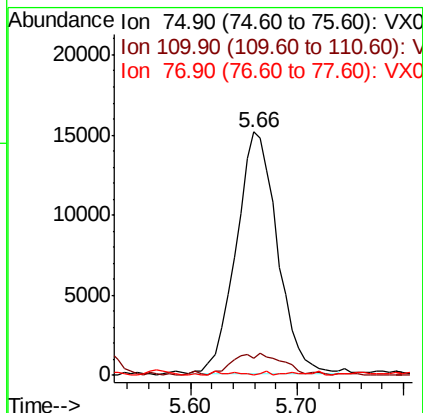
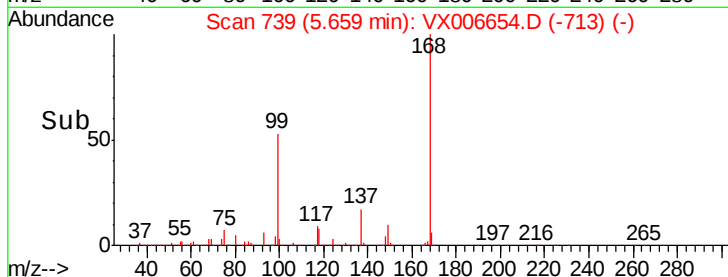
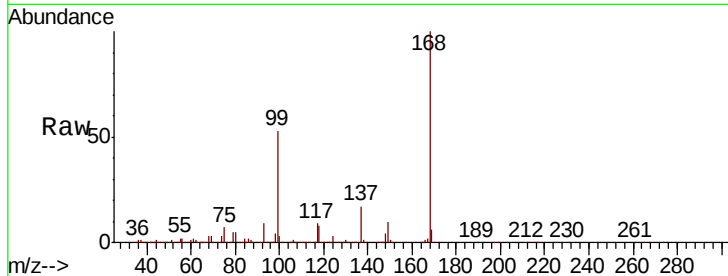
Tot Ion: 75 Resp: 41002

Ion Ratio Lower Upper

75 100

110 5.1 20.2 60.5#

77 0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.390 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

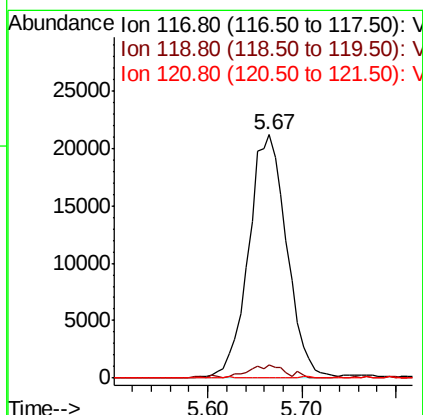
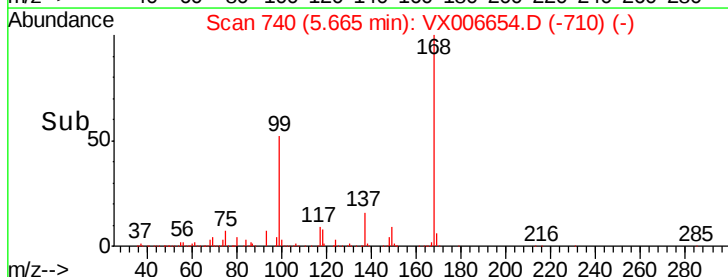
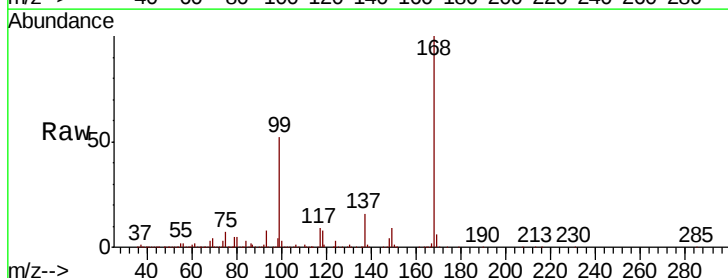
Tgt Ion: 117 Resp: 60047

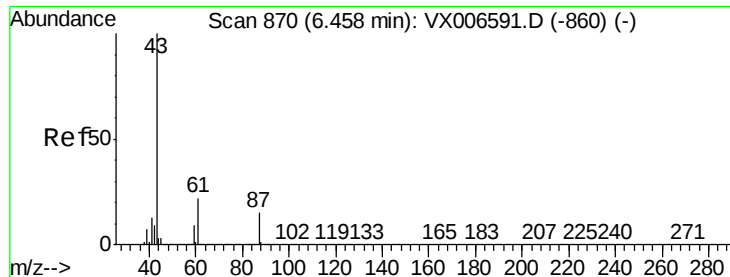
Ion Ratio Lower Upper

117 100

119 5.2 79.4 119.2#

121 0.0 24.0 36.0#



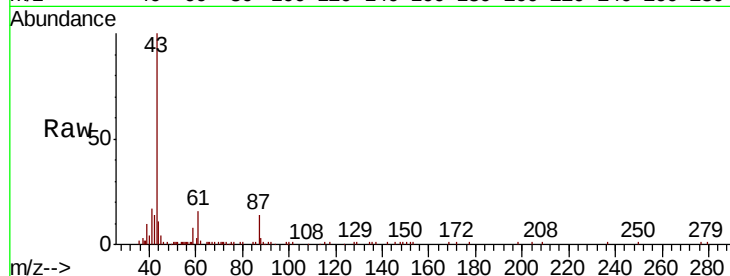


#43

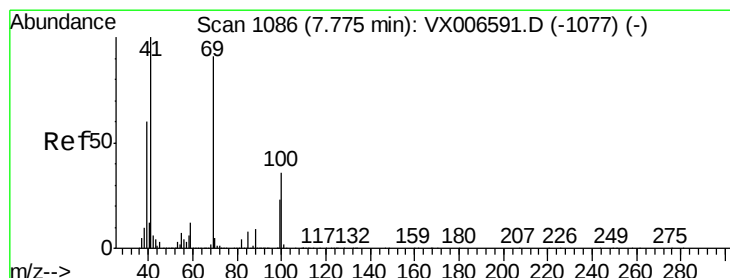
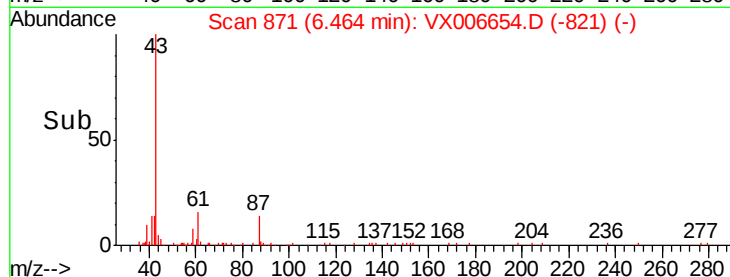
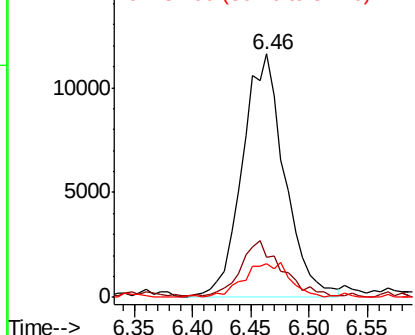
Isopropyl Acetate  
 Concen: 2.218 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. 0.01 min  
 Lab File: VX006654.D  
 Acq: 19 Dec 2018 22:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-02-121818-B

| Tot Ion   | 43    | Resp  | 29362 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 22.0  | 16.8  | 25.2  |
| 87        | 15.7  | 12.4  | 18.6  |



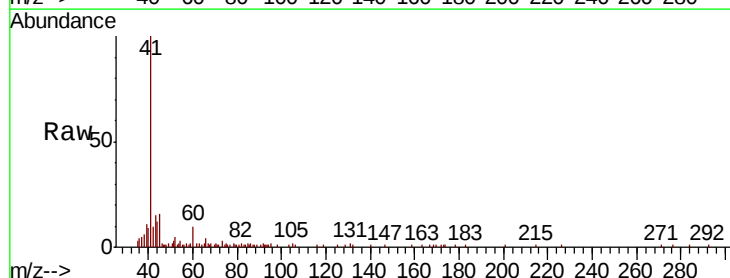
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



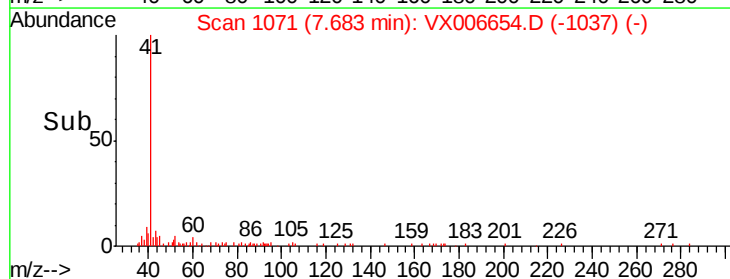
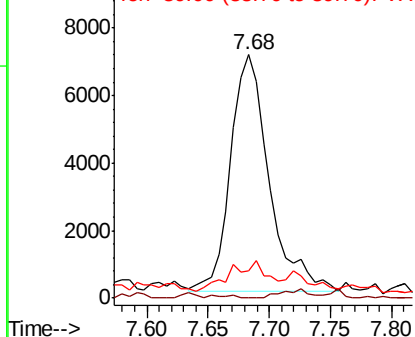
#48

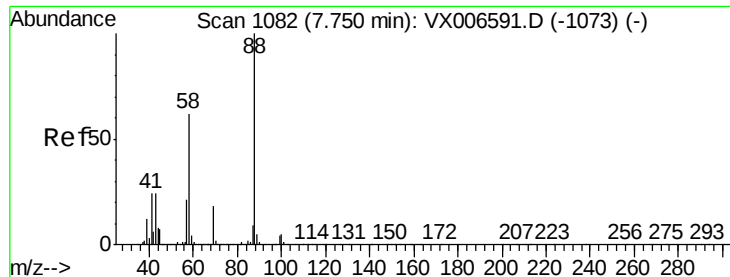
Methyl methacrylate  
 Concen: 2.286 ug/l  
 RT: 7.68 min Scan# 1071  
 Delta R.T. -0.09 min  
 Lab File: VX006654.D  
 Acq: 19 Dec 2018 22:58

| Tgt Ion   | 41    | Resp  | 15389  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 0.0   | 72.4  | 108.6# |
| 39        | 0.0   | 45.8  | 68.8#  |



Abundance Ion 41.00 (40.70 to 41.70): VX0  
 Ion 69.00 (68.70 to 69.70): VX0  
 Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-121818-B

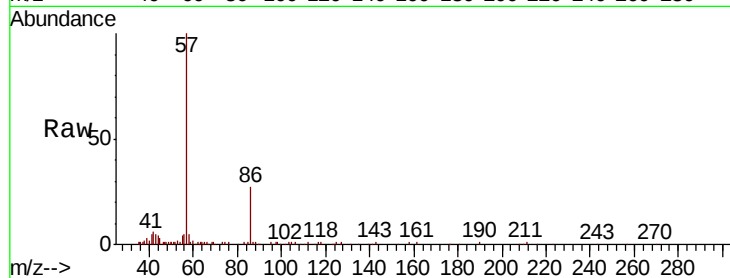
Tot Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

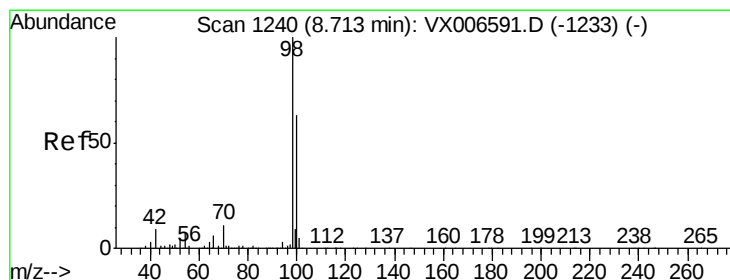
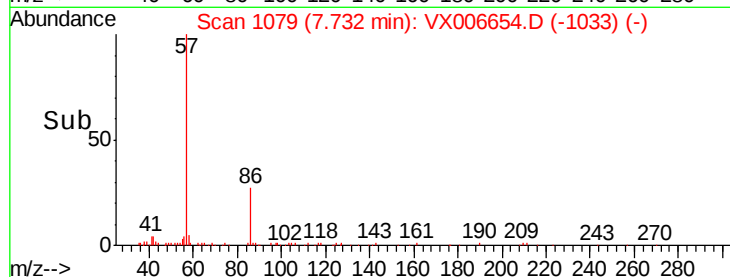
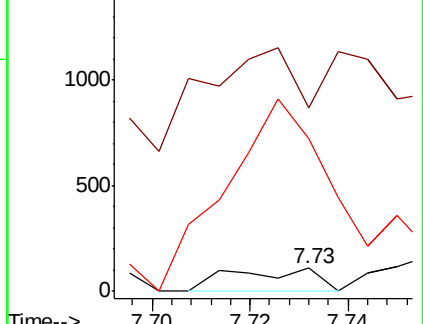
58 1179.5 51.0 76.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.067 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006654.D

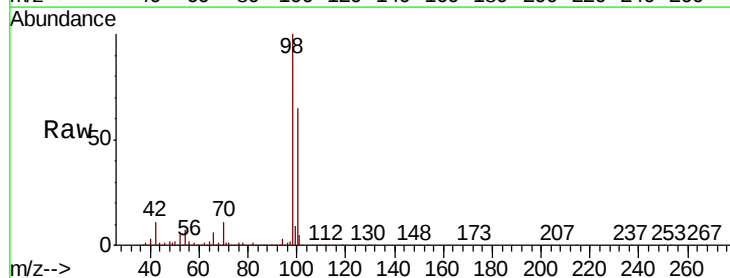
Acq: 19 Dec 2018 22:58

Tgt Ion: 98 Resp: 1228944

Ion Ratio Lower Upper

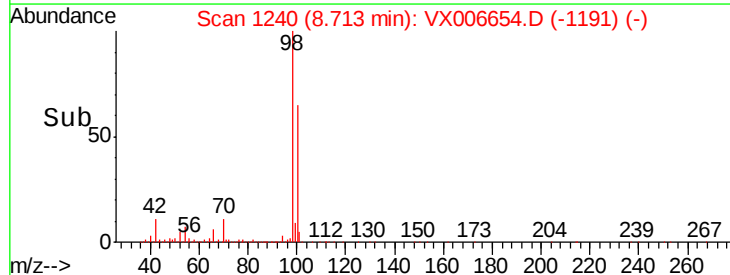
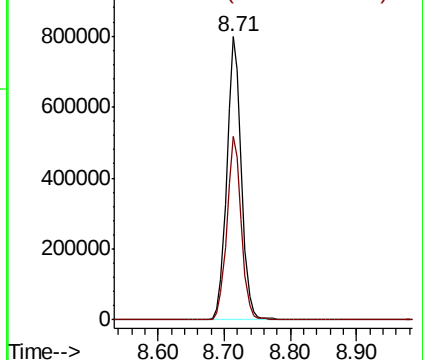
98 100

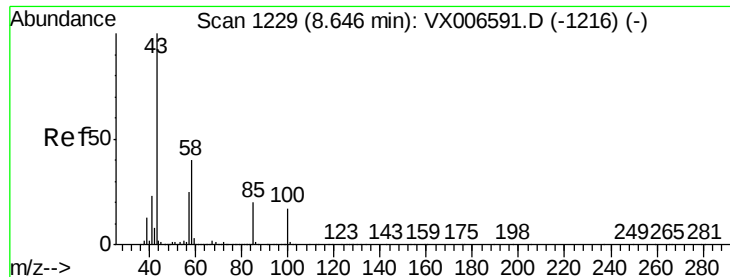
100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 18.423 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

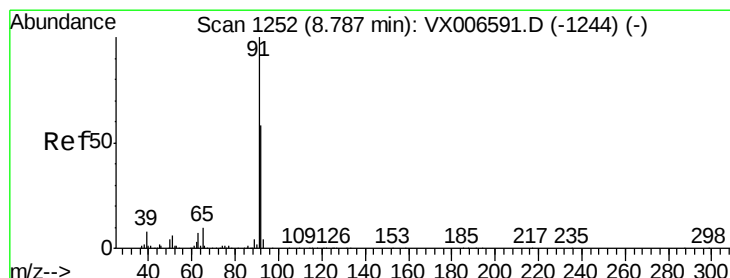
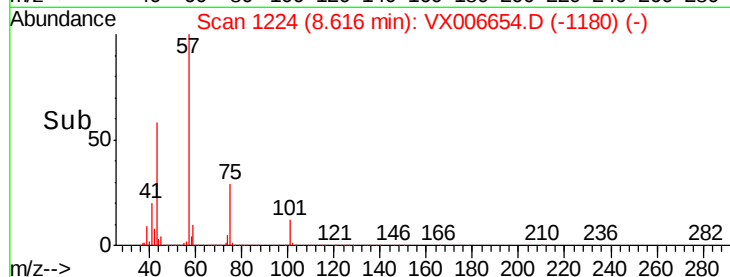
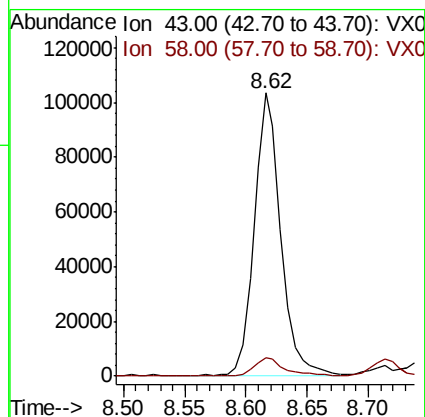
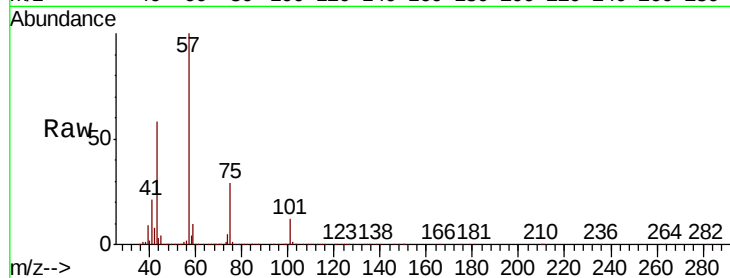
SU-02-121818-B

Tot Ion: 43 Resp: 155199

Ion Ratio Lower Upper

43 100

58 7.9 31.8 47.6#



#52

Toluene

Concen: 0.251 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006654.D

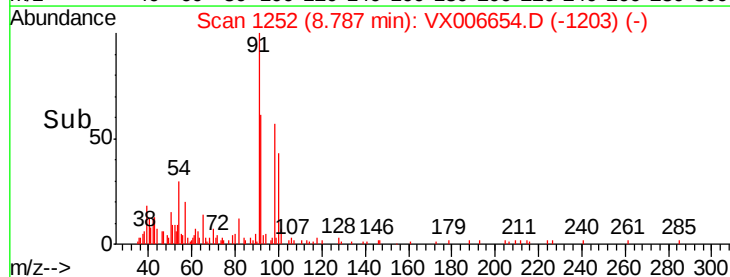
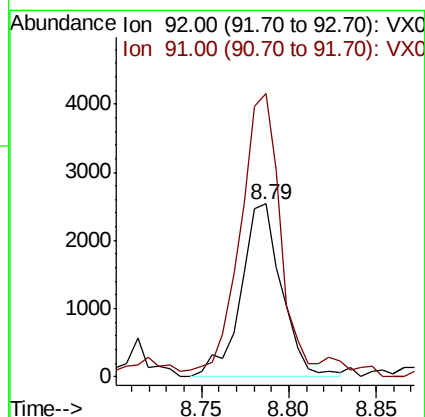
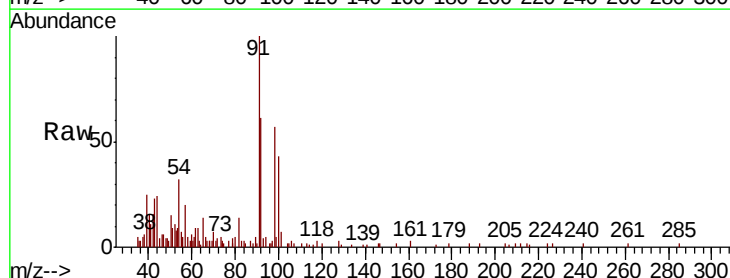
Acq: 19 Dec 2018 22:58

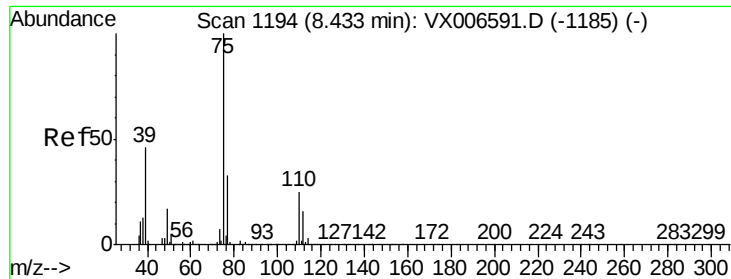
Tgt Ion: 92 Resp: 4115

Ion Ratio Lower Upper

92 100

91 152.7 137.6 206.4

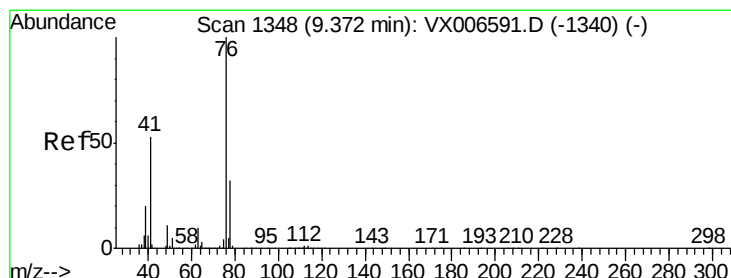
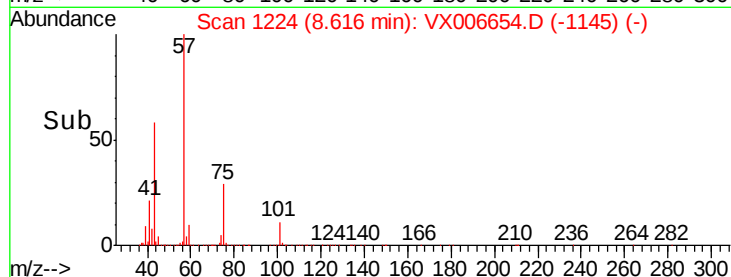
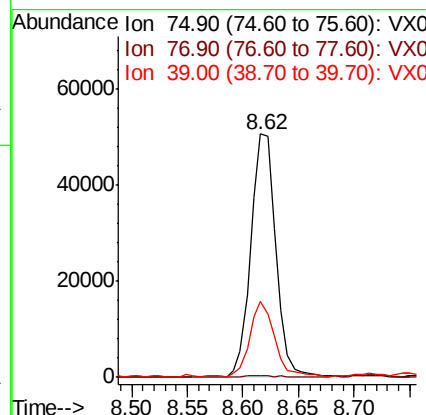
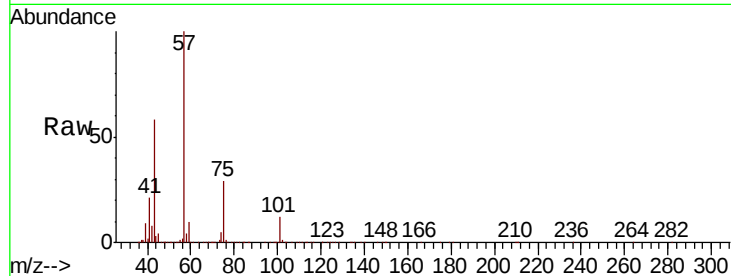




#54  
 cis-1,3-Dichloropropene  
 Concen: 8.960 ug/l  
 RT: 8.62 min Scan# 1224  
 Delta R.T. 0.18 min  
 Lab File: VX006654.D  
 Acq: 19 Dec 2018 22:58

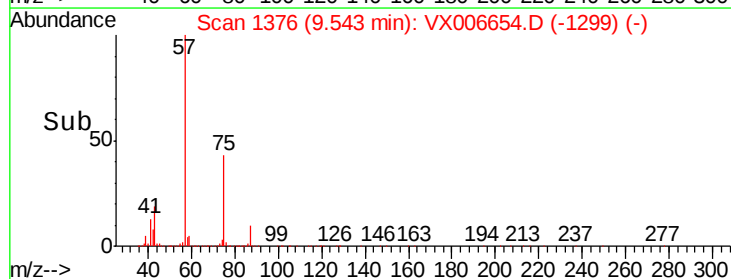
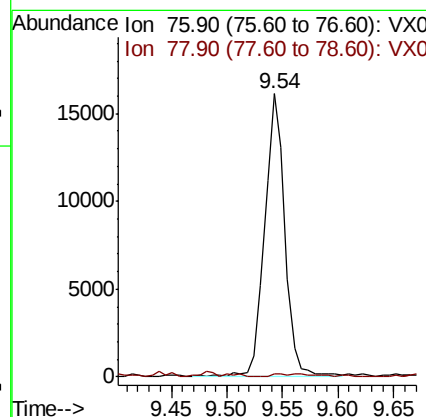
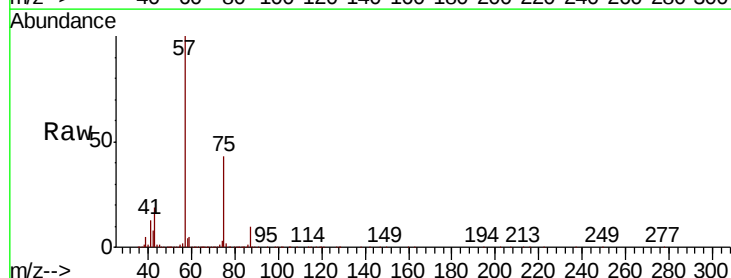
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-02-121818-B

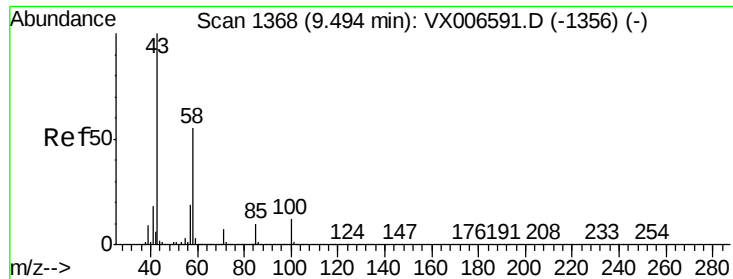
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.4   | 26.2  | 39.2# |
| 39      | 30.6  | 36.7  | 55.1# |



#57  
 1,3-Dichloropropane  
 Concen: 1.918 ug/l  
 RT: 9.54 min Scan# 1376  
 Delta R.T. 0.17 min  
 Lab File: VX006654.D  
 Acq: 19 Dec 2018 22:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 0.8   | 26.0  | 39.0# |

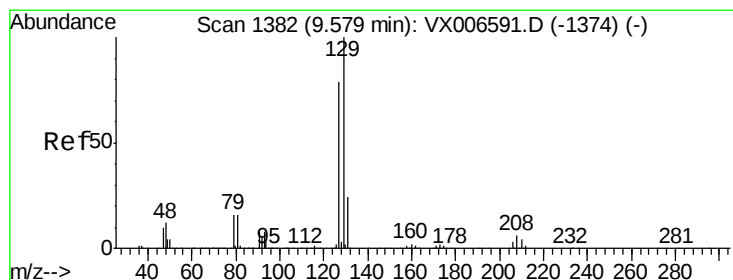
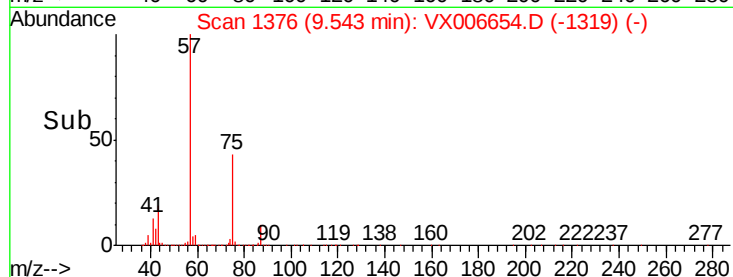
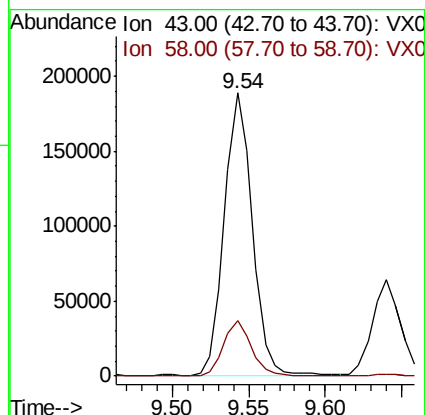
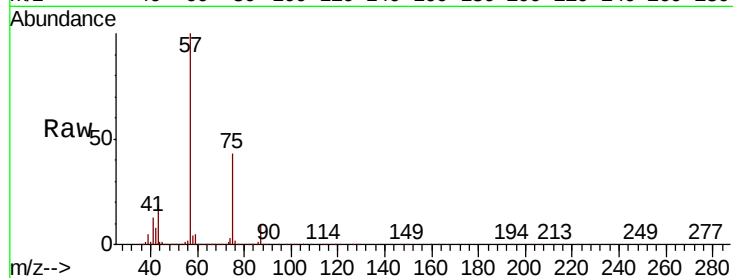




#59  
2-Hexanone  
Concen: 37.189 ug/l  
RT: 9.54 min Scan# 1376  
Delta R.T. 0.05 min  
Lab File: VX006654.D  
Acq: 19 Dec 2018 22:58

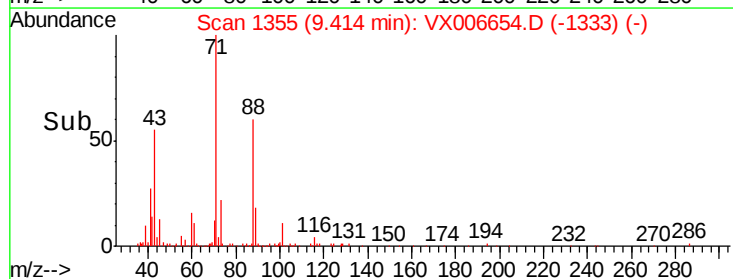
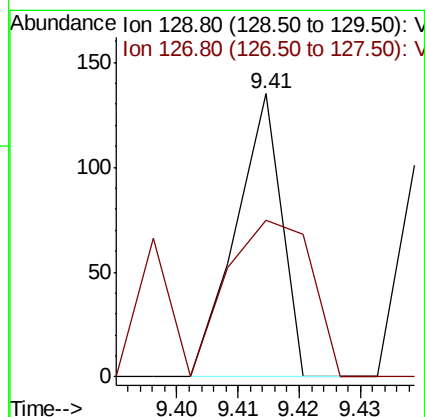
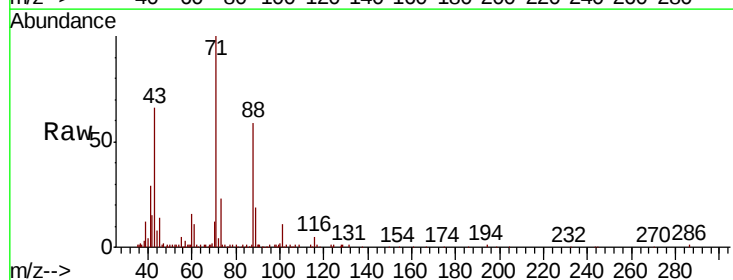
Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-02-121818-B

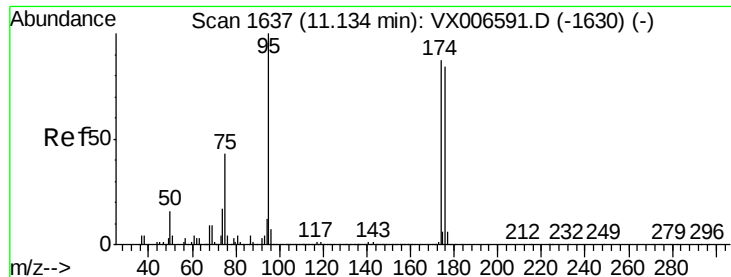
Tot Ion: 43 Resp: 239698  
Ion Ratio Lower Upper  
43 100  
58 19.8 27.7 83.1#



#60  
Dibromochloromethane  
Concen: 2.334 ug/l  
RT: 9.41 min Scan# 1355  
Delta R.T. -0.16 min  
Lab File: VX006654.D  
Acq: 19 Dec 2018 22:58

Tgt Ion: 129 Resp: 69  
Ion Ratio Lower Upper  
129 100  
127 102.9 39.3 117.8





#62

4-Bromofluorobenzene

Concen: 50.883 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-121818-B

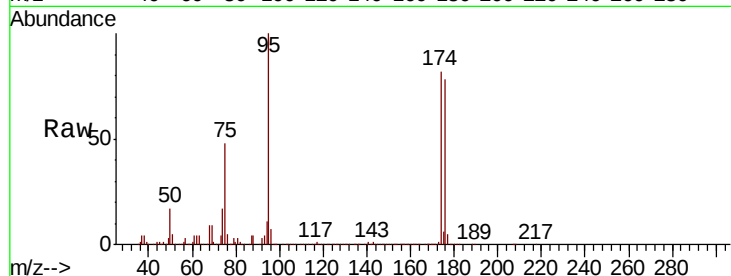
Tot Ion: 95 Resp: 448471

Ion Ratio Lower Upper

95 100

174 87.2 0.0 182.2

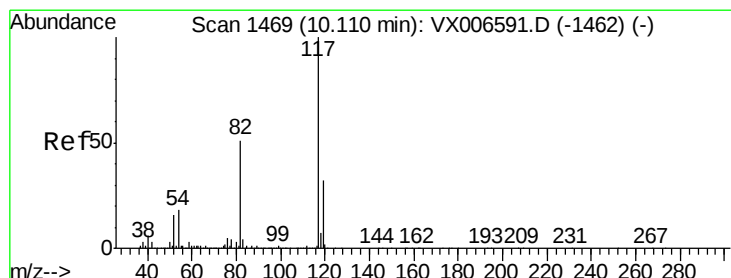
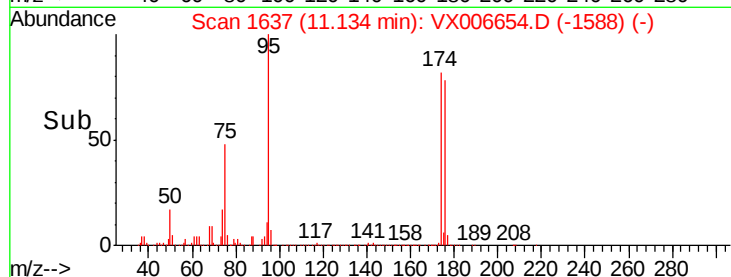
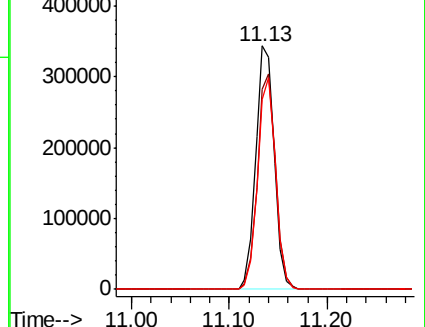
176 84.7 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006654.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006654.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006654.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

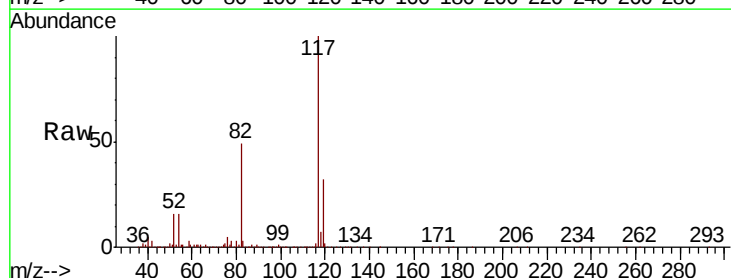
Tgt Ion: 117 Resp: 967630

Ion Ratio Lower Upper

117 100

82 49.4 41.0 61.6

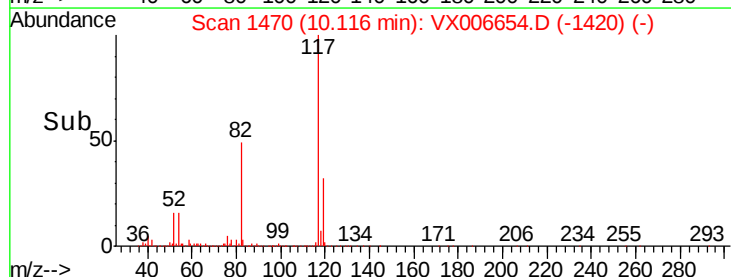
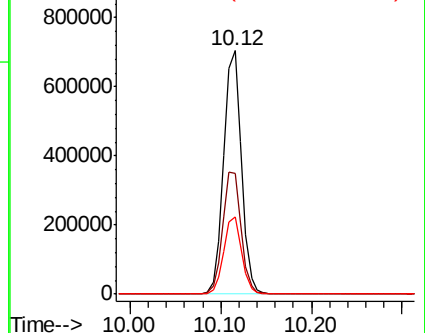
119 31.7 25.4 38.0

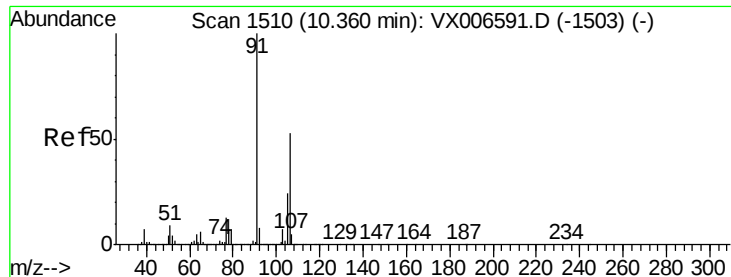


Abundance Ion 116.90 (116.60 to 117.60): VX006654.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006654.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006654.D (-1420) (-)





#68

m/p-Xylenes

Concen: 0.442 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

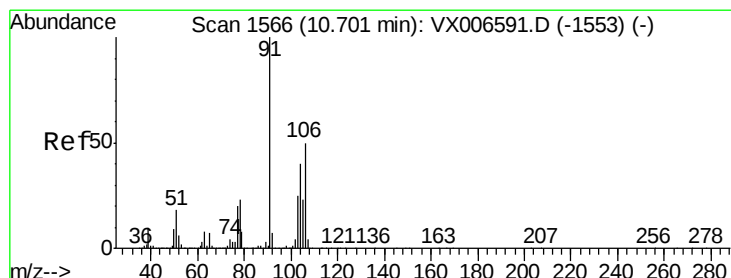
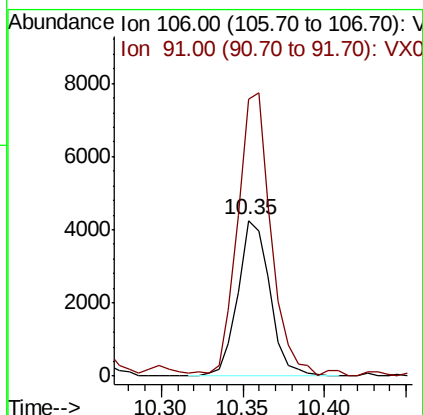
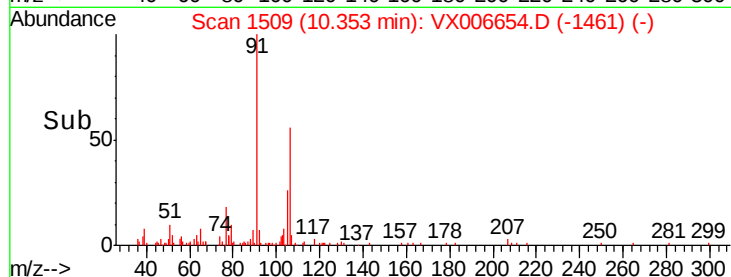
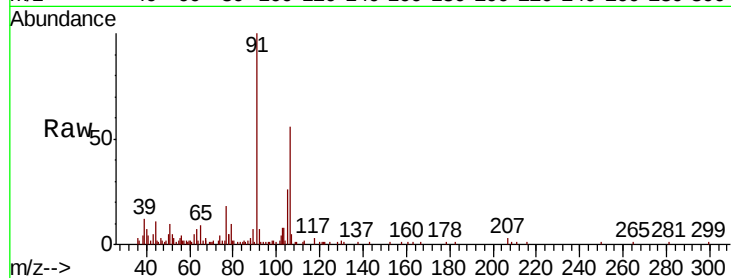
SU-02-121818-B

Tot Ion:106 Resp: 5835

Ion Ratio Lower Upper

106 100

91 191.5 155.8 233.6



#69

o-Xylene

Concen: 0.468 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX006654.D

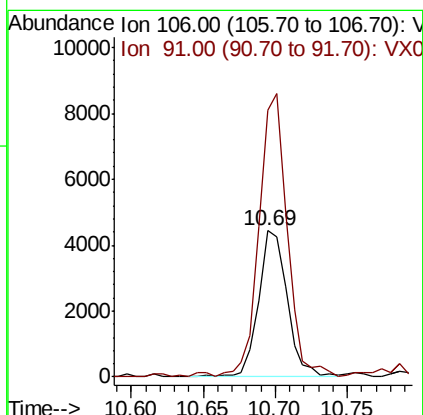
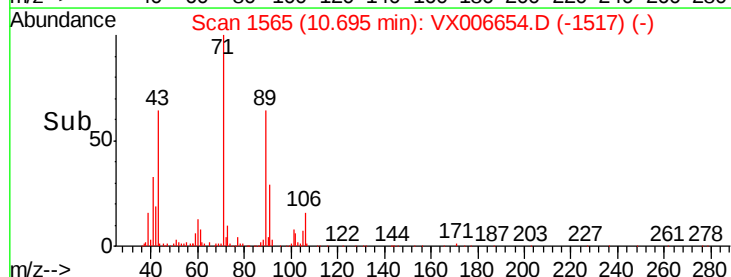
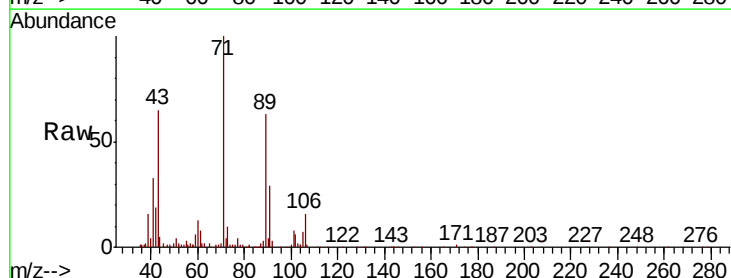
Acq: 19 Dec 2018 22:58

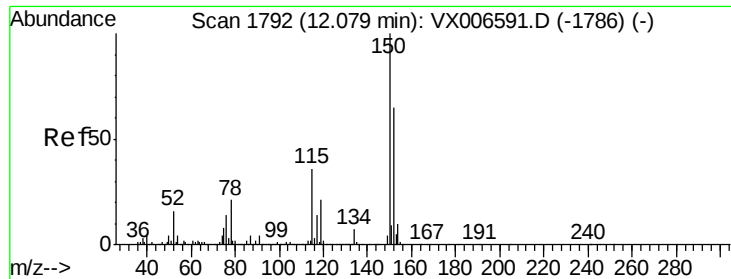
Tgt Ion:106 Resp: 6094

Ion Ratio Lower Upper

106 100

91 189.6 101.3 303.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-121818-B

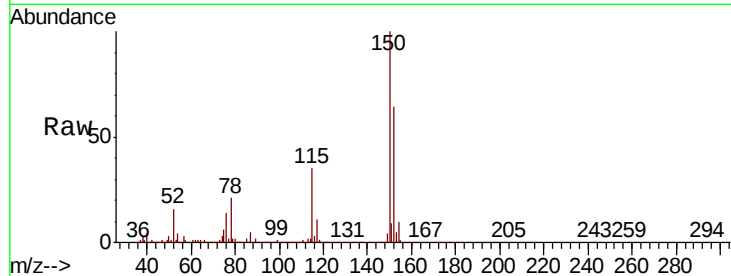
Tot Ion:152 Resp: 463410

Ion Ratio Lower Upper

152 100

115 57.1 39.1 117.2

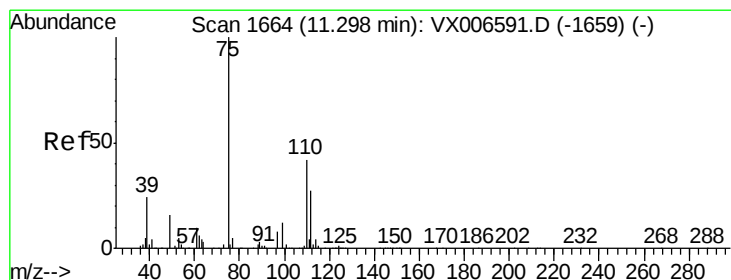
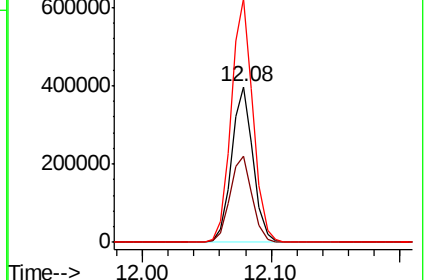
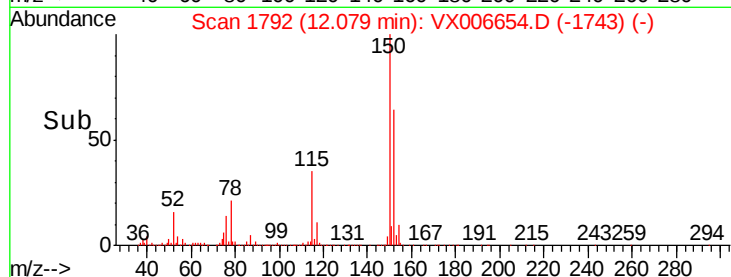
150 158.1 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.365 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006654.D

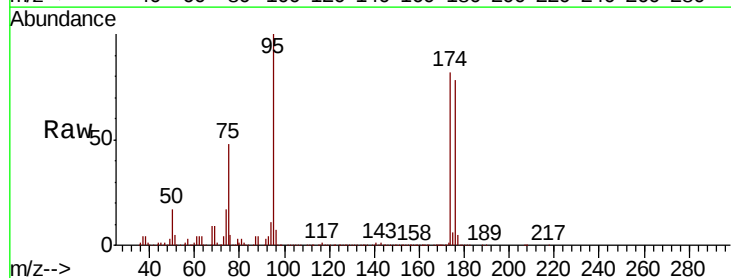
Acq: 19 Dec 2018 22:58

Tgt Ion: 75 Resp: 209833

Ion Ratio Lower Upper

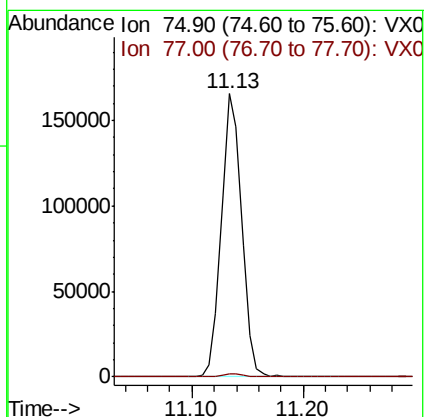
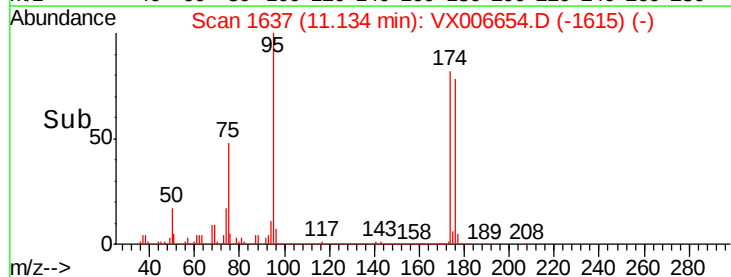
75 100

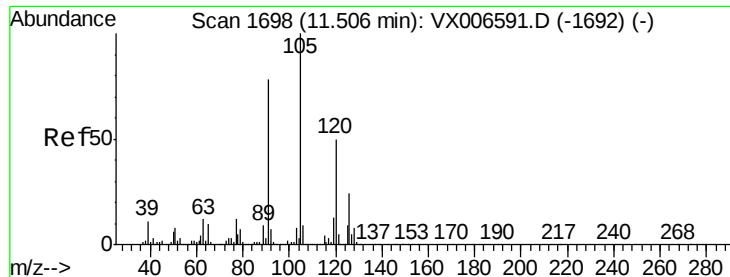
77 1.3 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

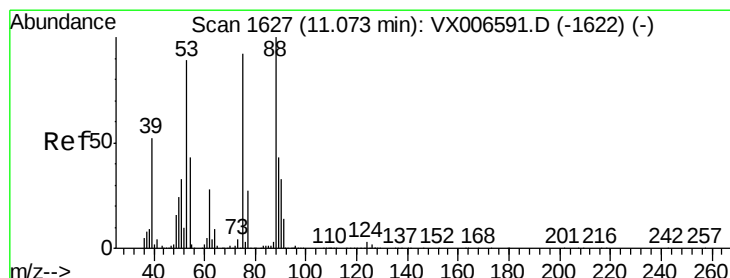
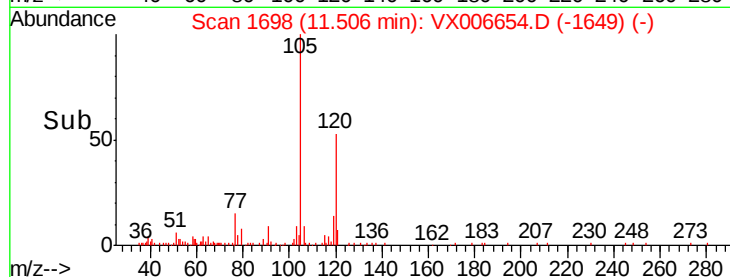
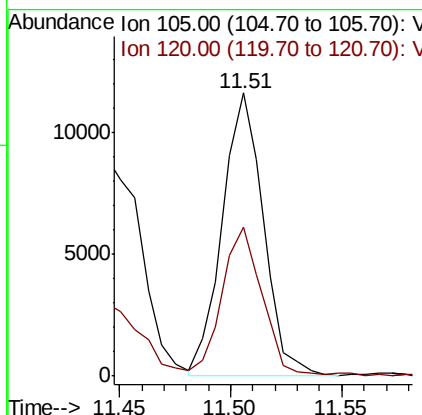
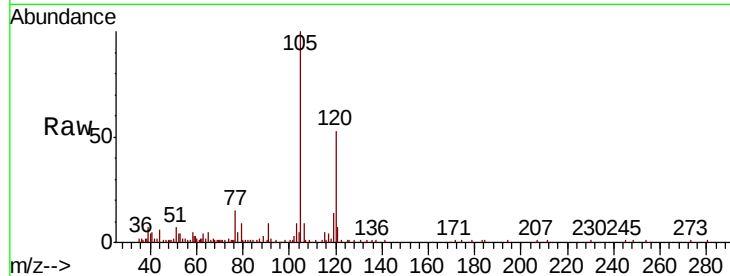




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.572 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. -0.00 min  
 Lab File: VX006654.D  
 Acq: 19 Dec 2018 22:58

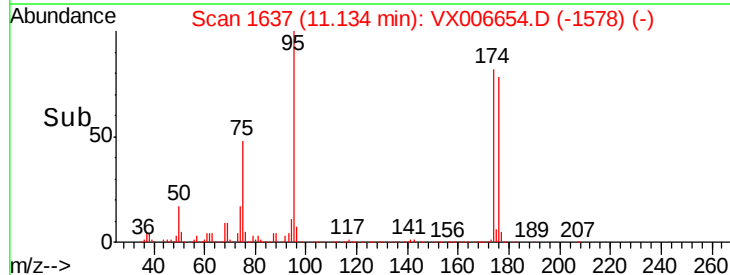
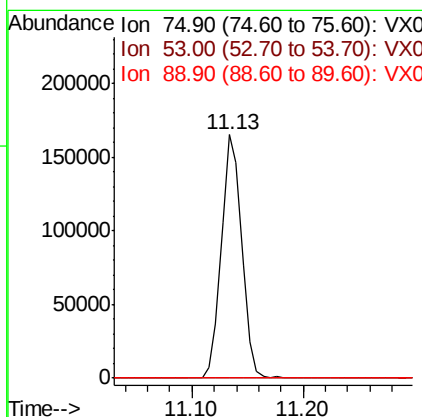
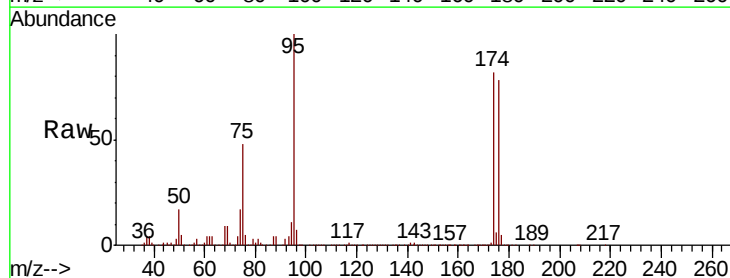
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-02-121818-B

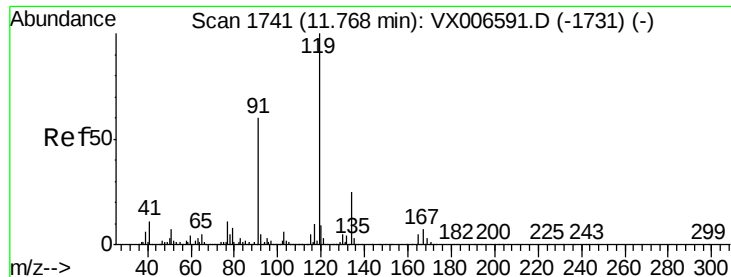
Tot Ion:105 Resp: 14931  
 Ion Ratio Lower Upper  
 105 100  
 120 51.9 25.1 75.3



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 72.105 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.06 min  
 Lab File: VX006654.D  
 Acq: 19 Dec 2018 22:58

Tgt Ion: 75 Resp: 209833  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 79.7 119.5#  
 89 0.0 38.0 57.0#





#83

tert-Butylbenzene

Concen: 0.211 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.04 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-121818-B

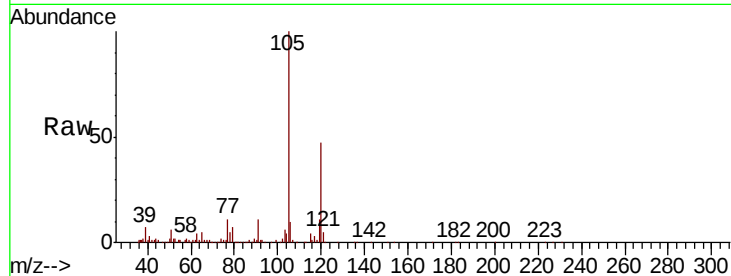
Tot Ion:119 Resp: 5504

Ion Ratio Lower Upper

119 100

91 95.3 27.7 83.1#

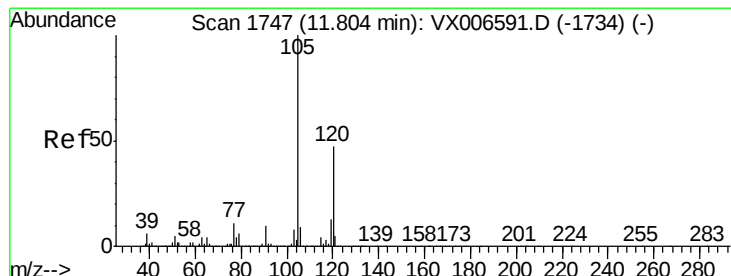
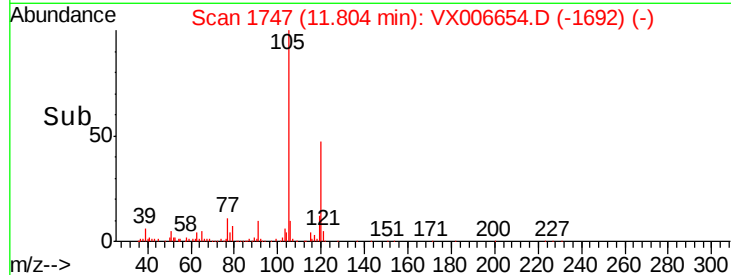
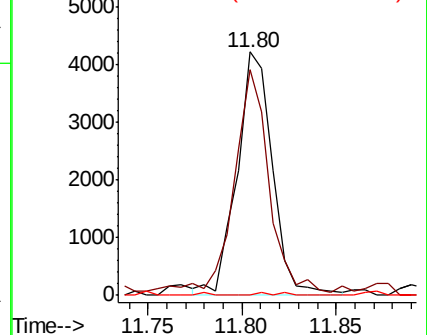
134 0.0 11.9 35.5#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.595 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006654.D

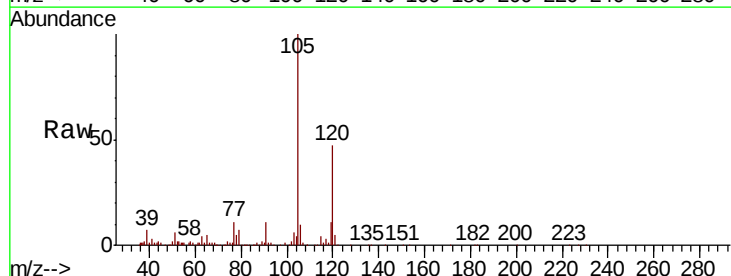
Acq: 19 Dec 2018 22:58

Tgt Ion:105 Resp: 43807

Ion Ratio Lower Upper

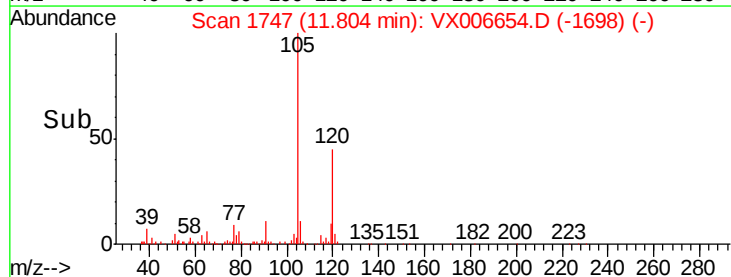
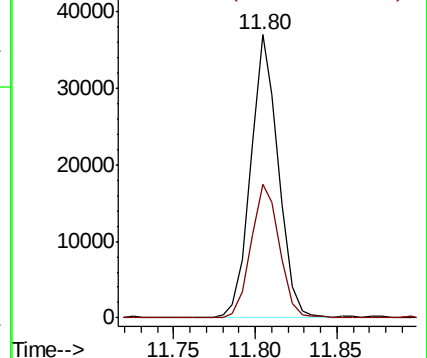
105 100

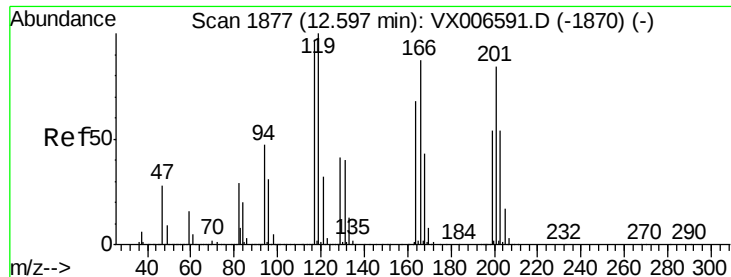
120 48.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 3.512 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

Instrument :

MSVOA\_X

ClientSampleId :

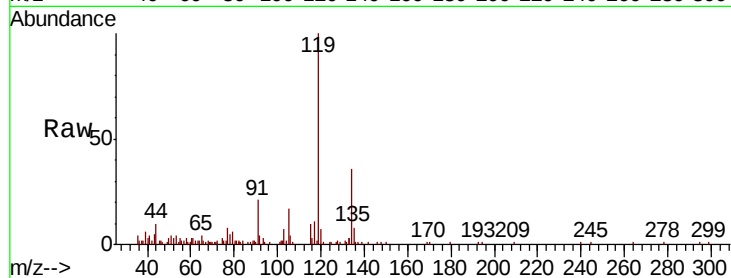
SU-02-121818-B

Tot Ion:117 Resp: 1032

Ion Ratio Lower Upper

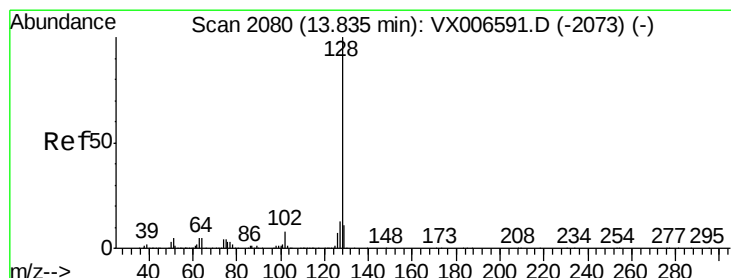
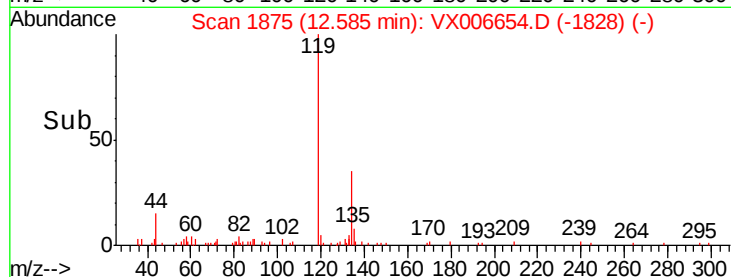
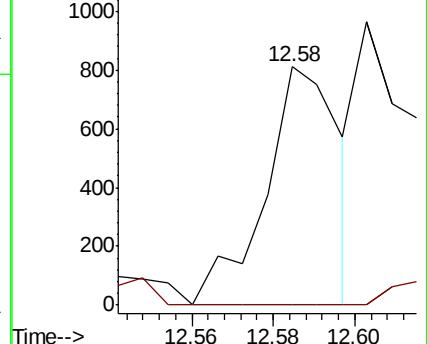
117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.949 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006654.D

Acq: 19 Dec 2018 22:58

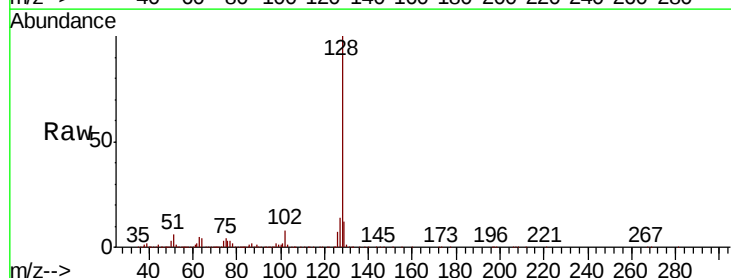
Tgt Ion:128 Resp: 100331

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 12.0 8.6 13.0



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

