

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\  
 Data File : VX013719.D  
 Acq On : 03 Dec 2019 13:00  
 Operator : JC/SP  
 Sample : K5676-38  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 03 14:38:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 703075   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1093549  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 986852   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 470075   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 395267   | 48.43 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.86% |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 326461   | 48.29 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.58% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1300240  | 49.36 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.72% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 454528   | 47.85 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.70% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 11) Tert butyl alcohol         | 3.01  | 59   | 5030     | 2.497   | ug/l # | 89     |
| 13) Acrolein                   | 2.25  | 56   | 588      | 6.430   | ug/l   | 93     |
| 14) Allyl chloride             | 2.84  | 41   | 135670   | 11.173  | ug/l # | 27     |
| 15) Acrylonitrile              | 3.14  | 53   | 1104     | 0.266   | ug/l # | 17     |
| 16) Acetone                    | 2.43  | 43   | 25510    | 6.331   | ug/l   | 95     |
| 17) Carbon Disulfide           | 2.56  | 76   | 3821     | 0.200   | ug/l # | 54     |
| 18) Methyl Acetate             | 2.76  | 43   | 5913     | 0.527   | ug/l   | 91     |
| 20) Methylene Chloride         | 2.84  | 84   | 3645174  | 470.899 | ug/l   | 99     |
| 25) 2-Butanone                 | 4.67  | 43   | 3303     | 0.552   | ug/l # | 70     |
| 28) Bromochloromethane         | 5.03  | 49   | 1839     | 0.352   | ug/l   | 86     |
| 29) Tetrahydrofuran            | 5.15  | 42   | 1790     | 0.485   | ug/l # | 68     |
| 31) Cyclohexane                | 5.64  | 56   | 13516    | 1.121   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.65  | 75   | 47466    | 4.782   | ug/l # | 53     |
| 38) Carbon Tetrachloride       | 5.65  | 117  | 62166    | 6.792   | ug/l # | 15     |
| 43) Isopropyl Acetate          | 6.43  | 43   | 156756   | 8.550   | ug/l   | 99     |
| 47) Bromodichloromethane       | 7.89  | 83   | 2387     | 0.246   | ug/l # | 92     |
| 48) Methyl methacrylate        | 7.86  | 41   | 245116   | 27.517  | ug/l # | 44     |
| 49) 1,4-Dioxane                | 7.73  | 88   | 409      | 2.051   | ug/l # | 24     |
| 51) 4-Methyl-2-Pentanone       | 8.61  | 43   | 149909   | 12.999  | ug/l # | 49     |
| 52) Toluene                    | 8.78  | 92   | 25271    | 1.345   | ug/l   | 99     |
| 54) cis-1,3-Dichloropropene    | 8.61  | 75   | 69730    | 5.773   | ug/l # | 58     |
| 59) 2-Hexanone                 | 9.43  | 43   | 181709   | 20.203  | ug/l # | 23     |
| 64) Tetrachloroethene          | 9.32  | 164  | 1977     | 0.269   | ug/l # | 74     |
| 67) Ethyl Benzene              | 10.25 | 91   | 76398    | 2.170   | ug/l   | 97     |
| 68) m/p-Xylenes                | 10.35 | 106  | 105659   | 7.838   | ug/l   | 100    |
| 69) o-Xylene                   | 10.70 | 106  | 46584    | 3.543   | ug/l   | 95     |
| 70) Styrene                    | 10.71 | 104  | 8851     | 0.400   | ug/l # | 9      |
| 73) Isopropylbenzene           | 11.01 | 105  | 9053     | 0.275   | ug/l   | 97     |
| 74) N-amyl acetate             | 10.82 | 43   | 7417     | 0.491   | ug/l # | 53     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 222435   | 21.038  | ug/l # | 39     |
| 78) n-propylbenzene            | 11.35 | 91   | 20869    | 0.567   | ug/l   | 98     |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 15989    | 0.724   | ug/l # | 44     |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 62767    | 2.323   | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 222435   | 57.557  | ug/l # | 11     |

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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 03 14:38:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 26 15:53:00 2019  
Response via : Initial Calibration

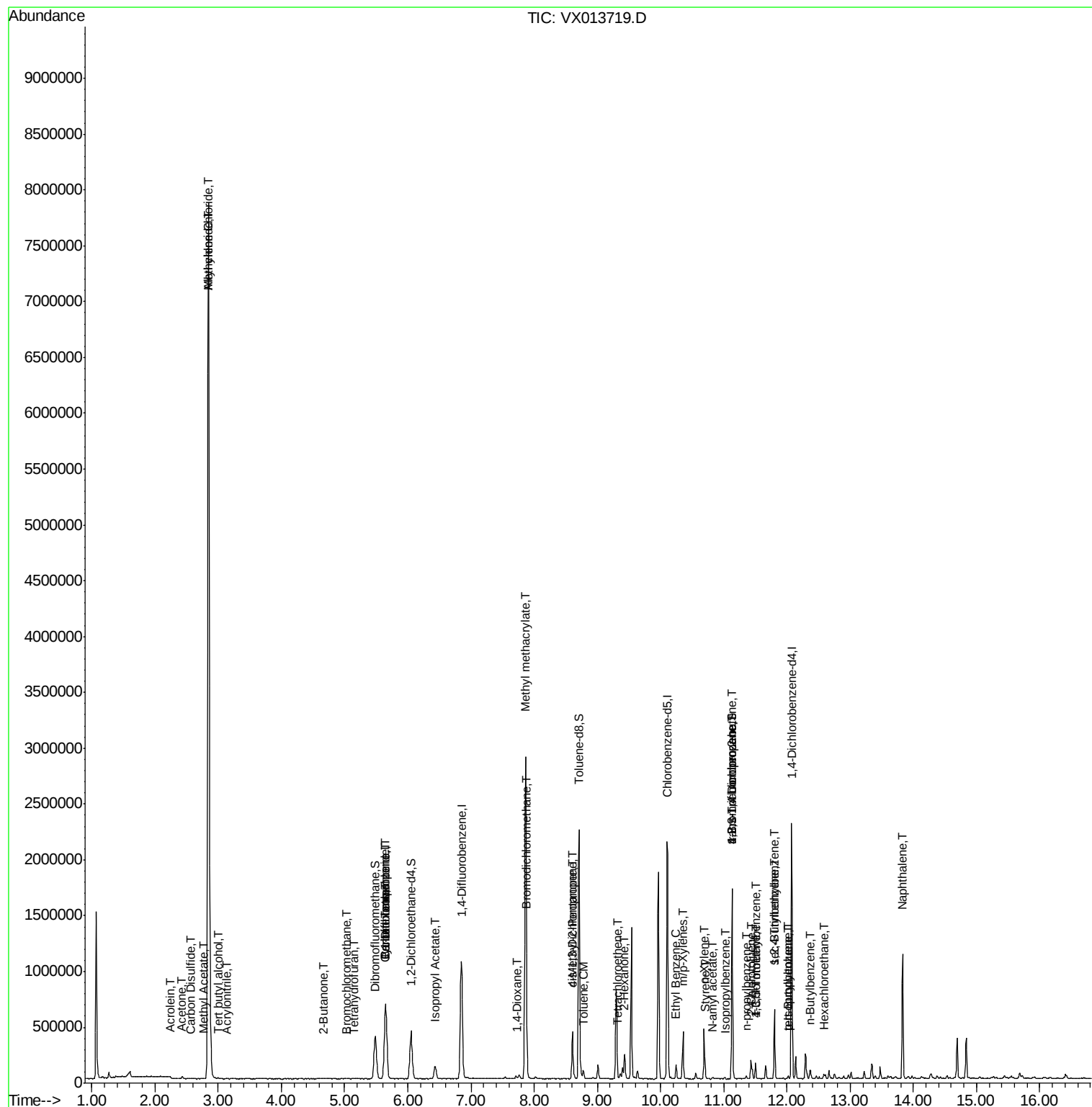
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|-------|------|----------|--------|--------|----------|
| 82) 4-Chlorotoluene        | 11.50 | 91   | 6437     | 0.252  | ug/l # | 51       |
| 83) tert-Butylbenzene      | 12.02 | 119  | 8932     | 0.325  | ug/l   | 72       |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105  | 279342   | 10.185 | ug/l   | 99       |
| 85) sec-Butylbenzene       | 11.80 | 105  | 279342   | 8.904  | ug/l # | 56       |
| 86) p-Isopropyltoluene     | 12.02 | 119  | 8932     | 0.306  | ug/l   | 92       |
| 89) n-Butylbenzene         | 12.37 | 91   | 10448    | 0.420  | ug/l # | 12       |
| 90) Hexachloroethane       | 12.59 | 117  | 3731     | 0.707  | ug/l # | 13       |
| 95) Naphthalene            | 13.83 | 128  | 662566   | 20.807 | ug/l   | 100      |

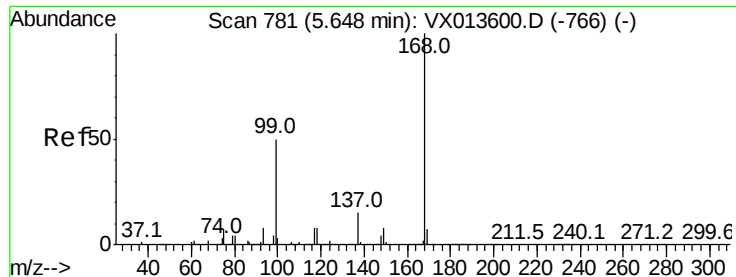
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120319\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

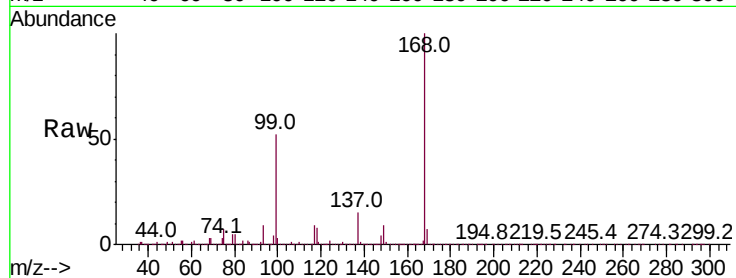
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:168 Resp: 703075

Ion Ratio Lower Upper

168 100

99 51.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

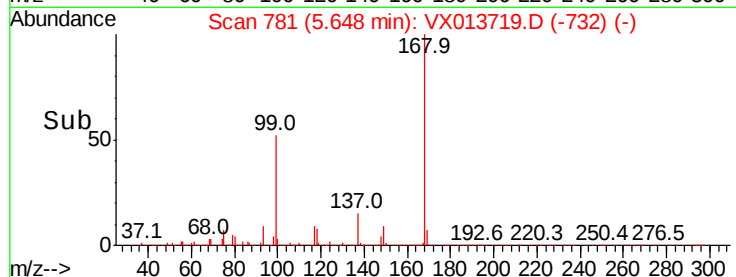
100000

50000

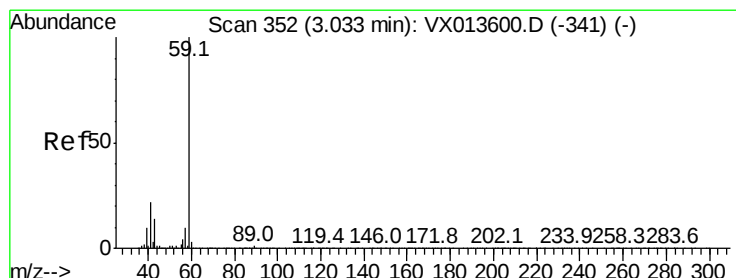
0

5.65

5.50 5.60 5.70 5.80



Time-->



#11

Tert butyl alcohol

Concen: 2.497 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013719.D

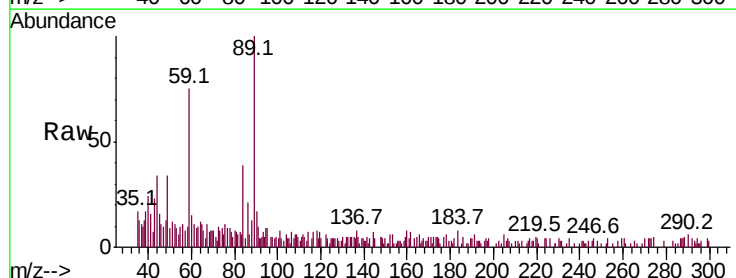
Acq: 03 Dec 2019 13:00

Tgt Ion: 59 Resp: 5030

Ion Ratio Lower Upper

59 100

57 5.6 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2000

1500

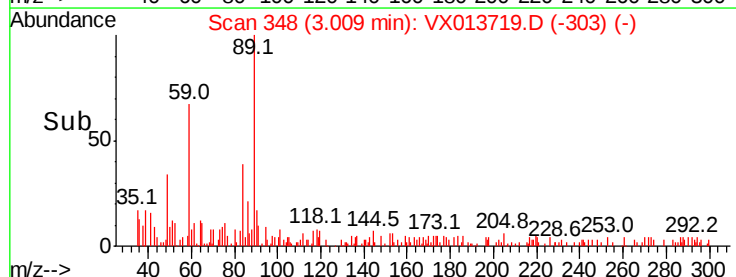
1000

500

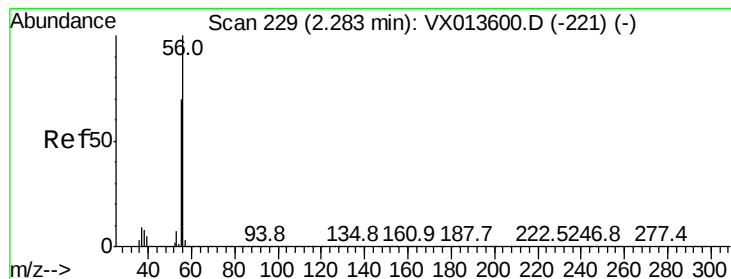
0

3.01

2.90 2.95 3.00 3.05 3.10



Time-->



#13

Acrolein

Concen: 6.430 ug/l

RT: 2.25 min Scan# 223

Delta R.T. -0.04 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

Instrument :

MSVOA\_X

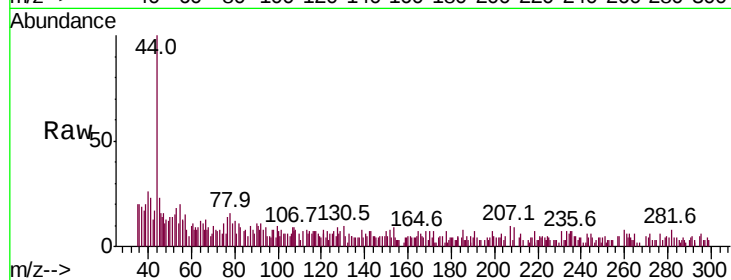
ClientSampled :

Tot Ion: 56 Resp: 588

Ion Ratio Lower Upper

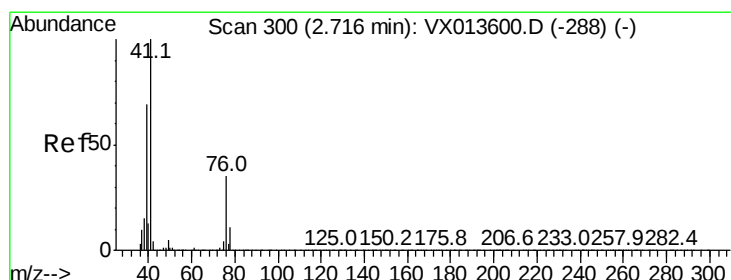
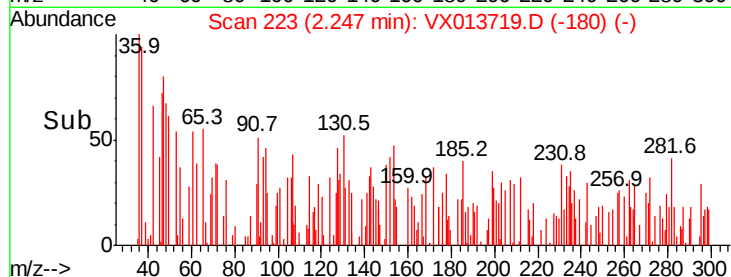
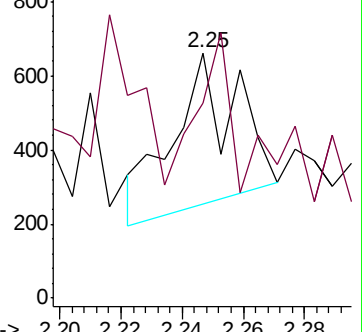
56 100

55 76.0 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 11.173 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.13 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

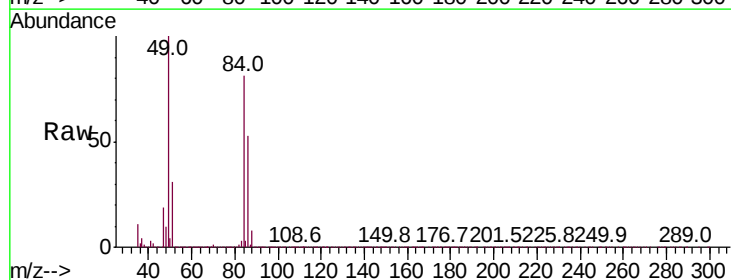
Tgt Ion: 41 Resp: 135670

Ion Ratio Lower Upper

41 100

39 1.1 51.7 77.5#

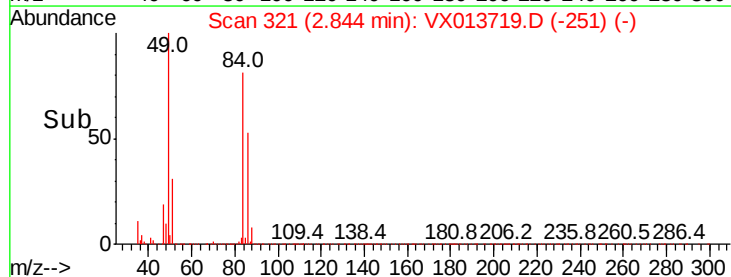
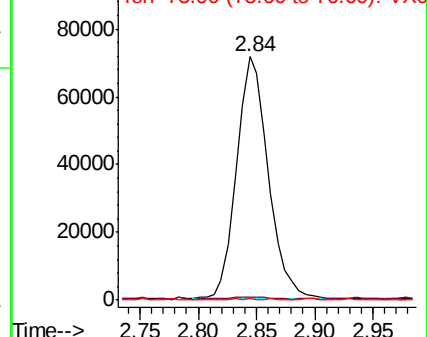
76 0.7 25.9 38.9#

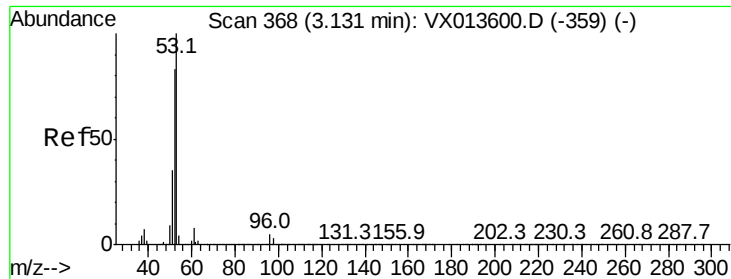


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.266 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

Instrument :

MSVOA\_X

ClientSampled :

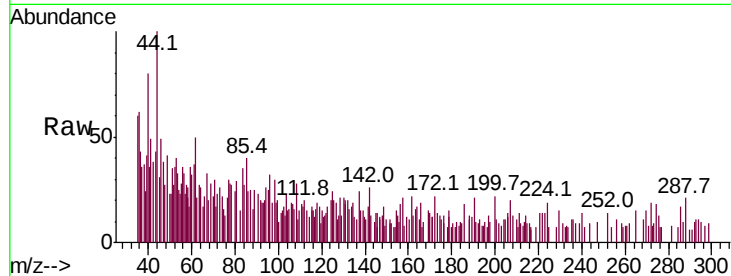
Tot Ion: 53 Resp: 1104

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

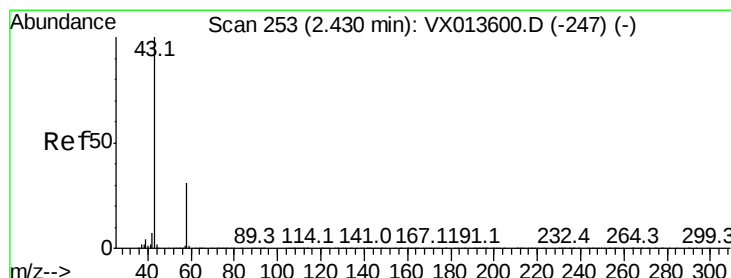
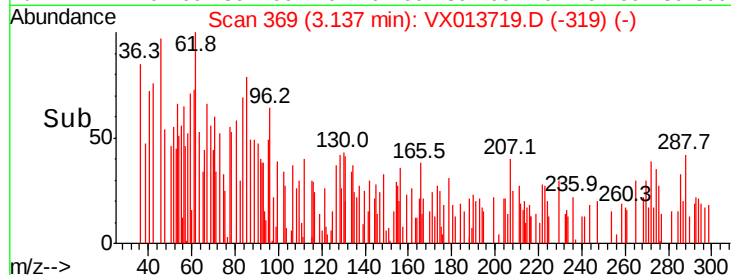
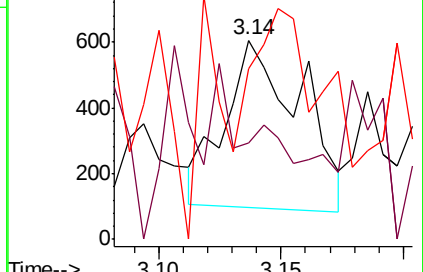
51 0.0 29.0 43.6#



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: 6.331 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013719.D

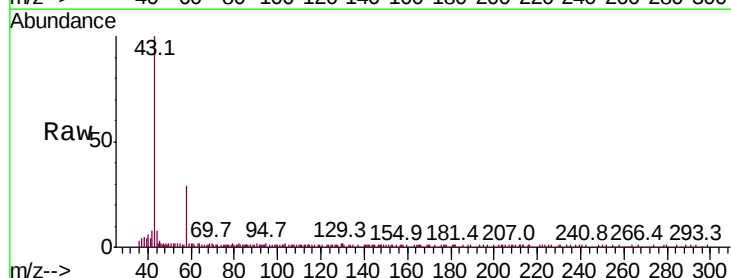
Acq: 03 Dec 2019 13:00

Tgt Ion: 43 Resp: 25510

Ion Ratio Lower Upper

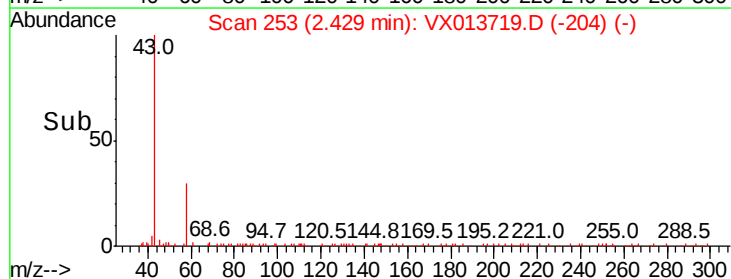
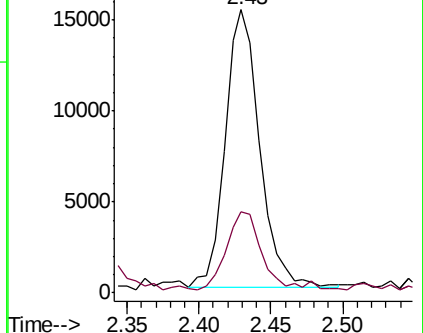
43 100

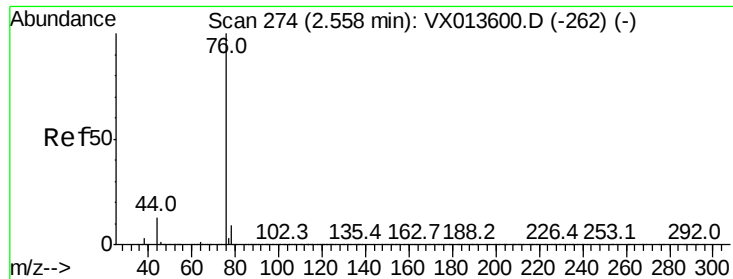
58 27.9 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.200 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

Instrument :

MSVOA\_X

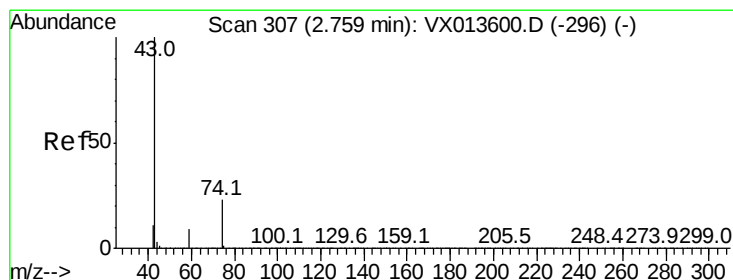
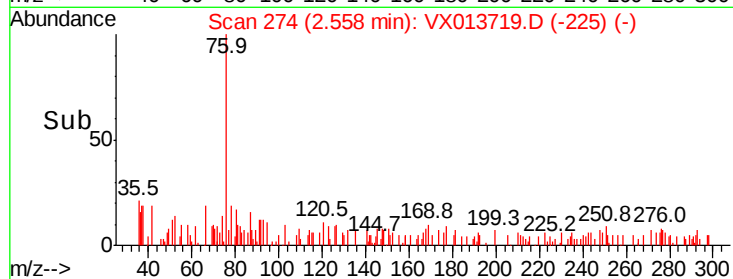
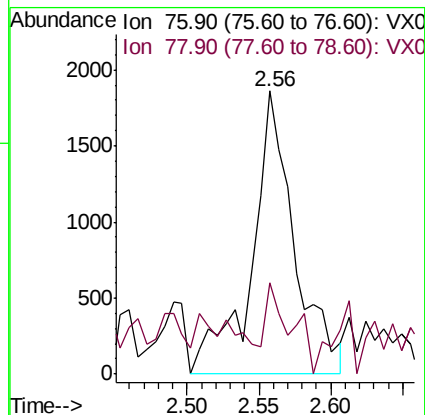
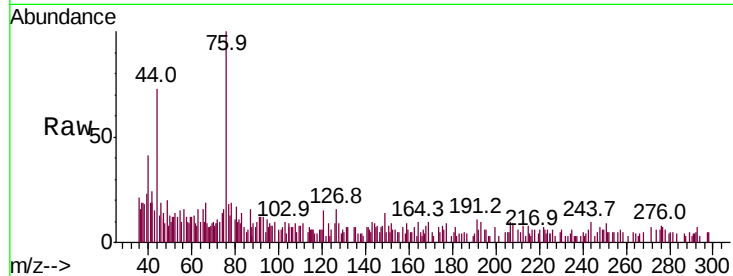
ClientSampleId :

Tot Ion: 76 Resp: 3821

Ion Ratio Lower Upper

76 100

78 25.5 7.2 10.8#



#18

Methyl Acetate

Concen: 0.527 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013719.D

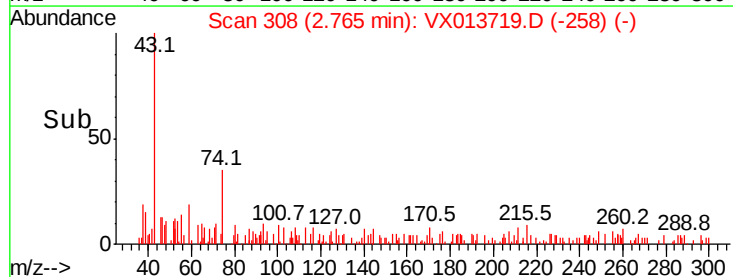
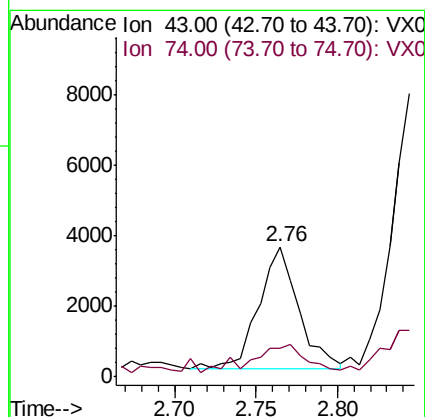
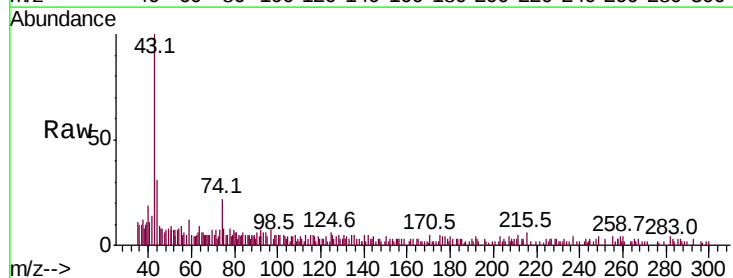
Acq: 03 Dec 2019 13:00

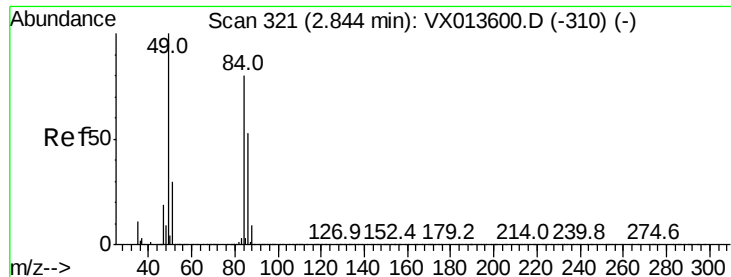
Tgt Ion: 43 Resp: 5913

Ion Ratio Lower Upper

43 100

74 28.7 19.5 29.3



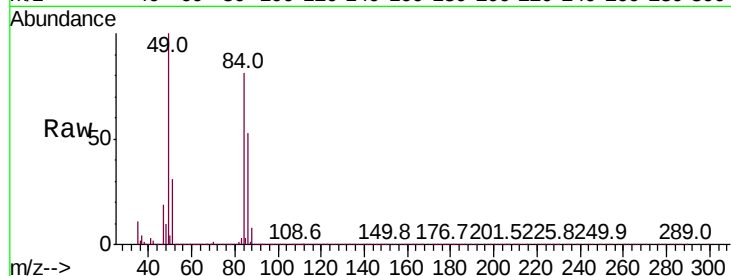


#20  
Methvlene Chloride  
Concen: 470.899 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

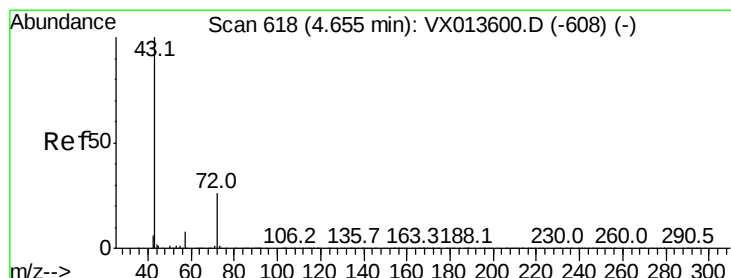
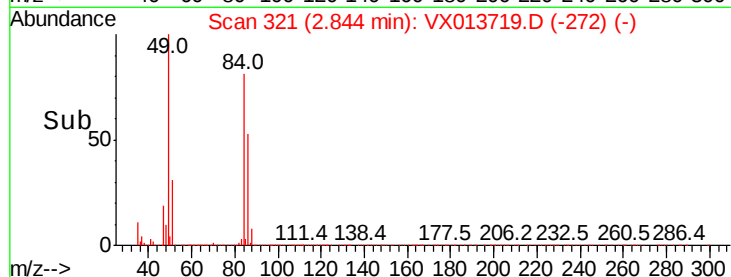
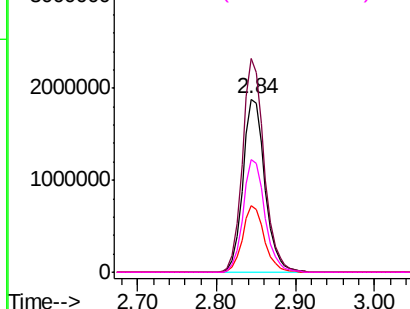
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 84 Resp: 3645174

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 123.3 | 99.7  | 149.5 |
| 51  | 38.4  | 29.9  | 44.9  |
| 86  | 65.0  | 52.2  | 78.4  |



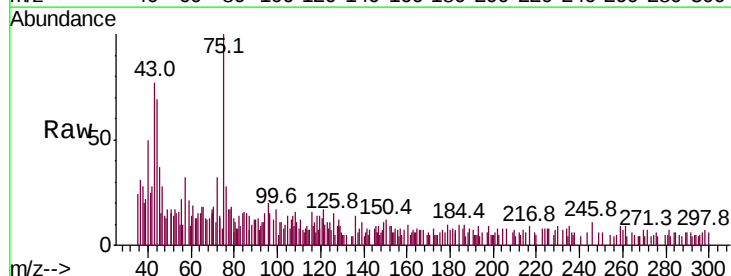
Abundance Ion 83.90 (83.60 to 84.60): VX0  
Ion 48.90 (48.60 to 49.60): VX0  
Ion 50.90 (50.60 to 51.60): VX0  
Ion 85.90 (85.60 to 86.60): VX0



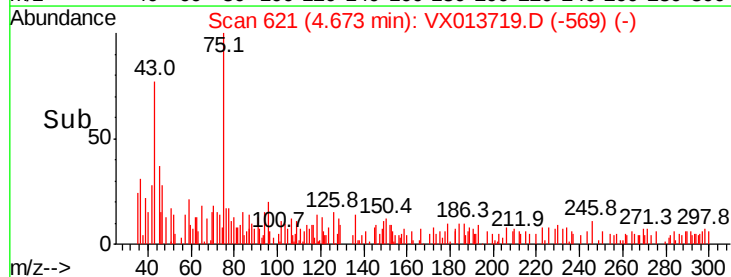
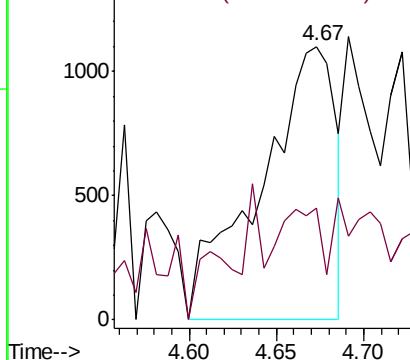
#25  
2-Butanone  
Concen: 0.552 ug/l  
RT: 4.67 min Scan# 621  
Delta R.T. 0.02 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

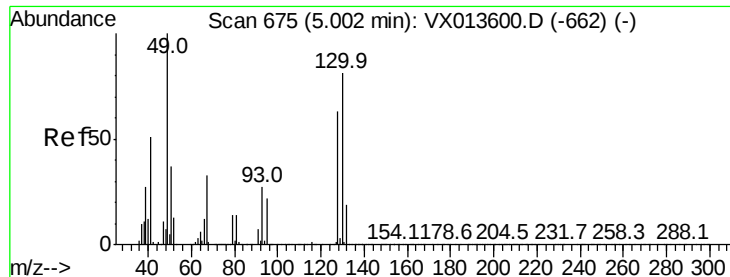
Tgt Ion: 43 Resp: 3303

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 41.1  | 20.6  | 31.0# |



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





#28

Bromochloromethane

Concen: 0.352 ug/l

RT: 5.03 min Scan# 680

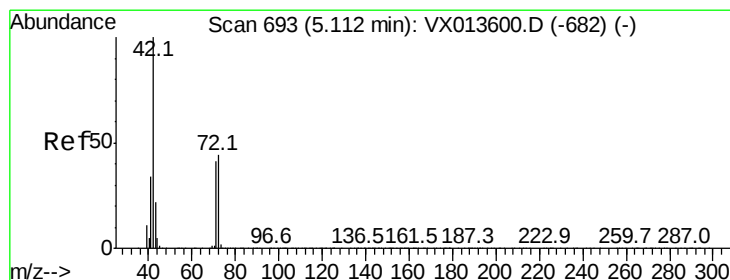
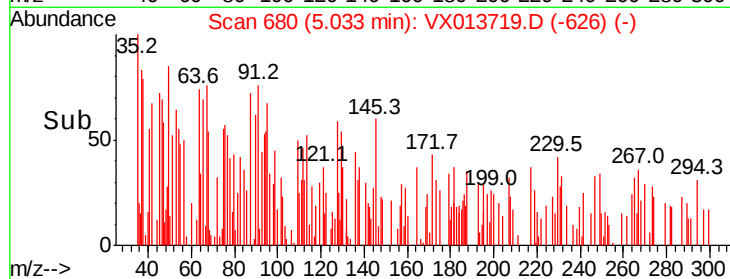
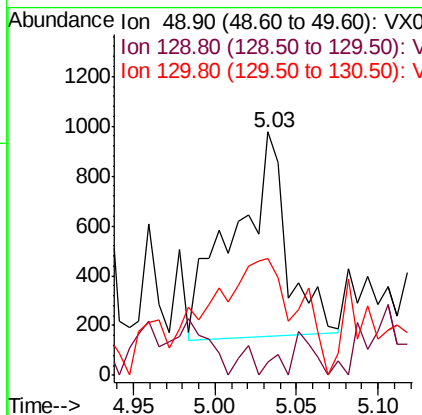
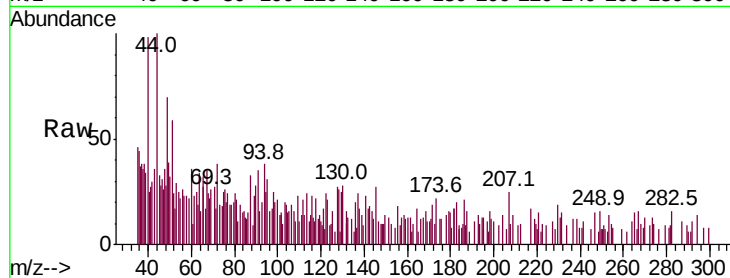
Delta R.T. 0.03 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

Instrument :  
MSVOA\_X  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 49    | Resp: | 1839  |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 3.8   | 0.0   | 5.0   |
| 130      | 94.4  | 65.4  | 98.0  |



#29

Tetrahydrofuran

Concen: 0.485 ug/l

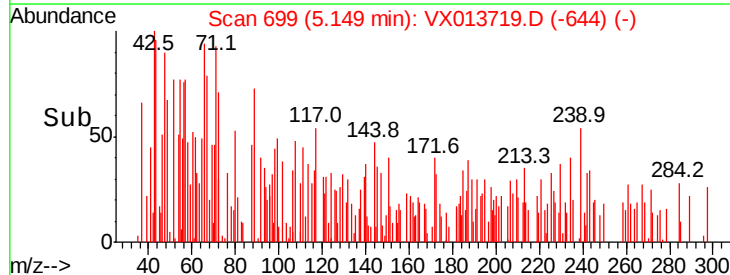
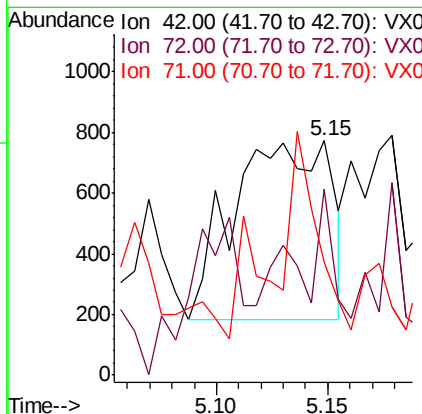
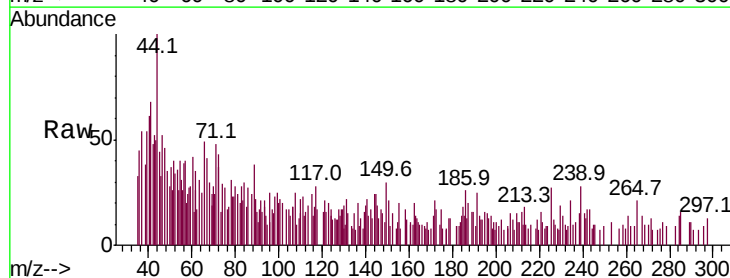
RT: 5.15 min Scan# 699

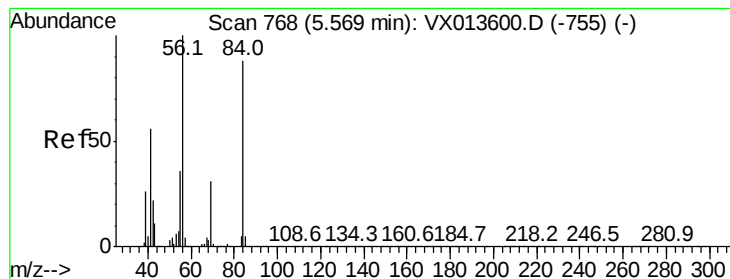
Delta R.T. 0.04 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1790  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 17.5  | 36.3  | 54.5# |
| 71       | 28.8  | 33.2  | 49.8# |





#31

Cvclohexane

Concen: 1.121 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.07 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

Instrument :

MSVOA\_X

ClientSampled :

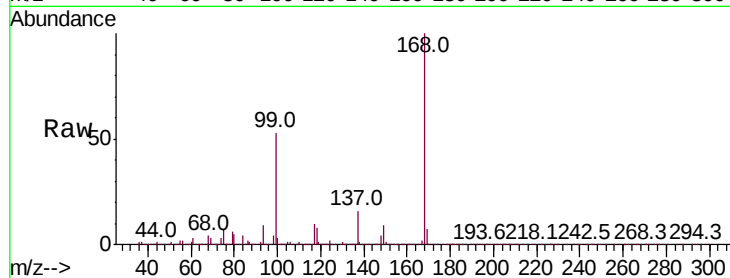
Tot Ion: 56 Resp: 13516

Ion Ratio Lower Upper

56 100

69 141.6 24.6 36.8#

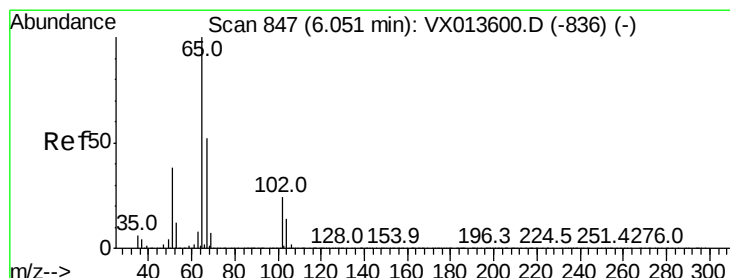
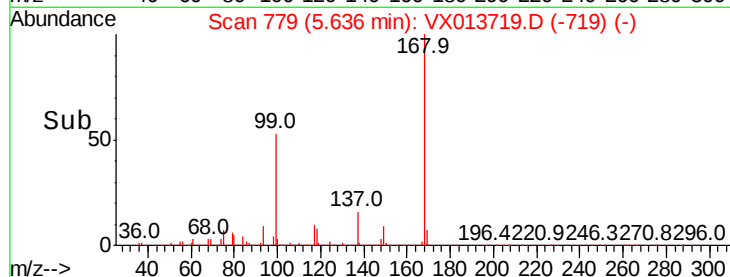
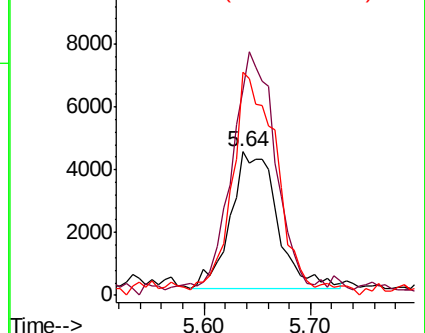
84 155.6 70.0 105.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.433 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013719.D

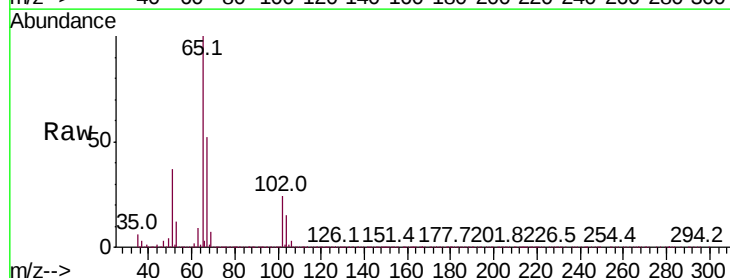
Acq: 03 Dec 2019 13:00

Tgt Ion: 65 Resp: 395267

Ion Ratio Lower Upper

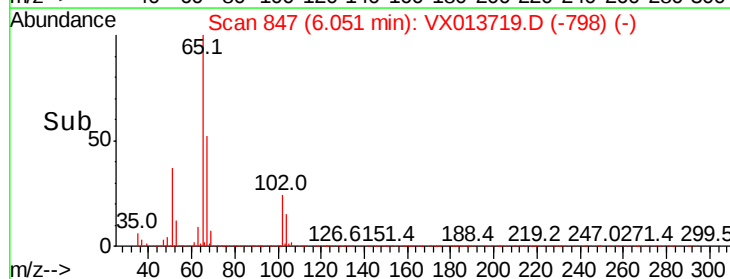
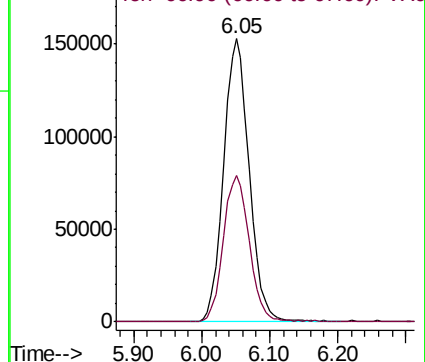
65 100

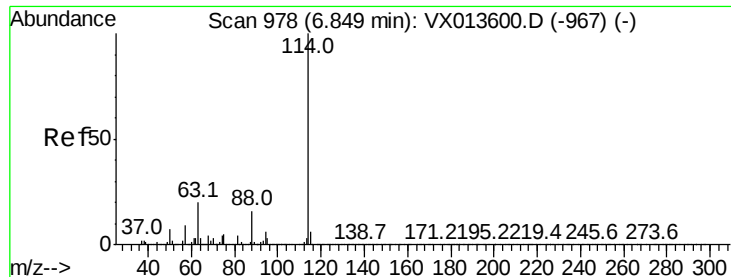
67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

Instrument :

MSVOA\_X

ClientSampleId :

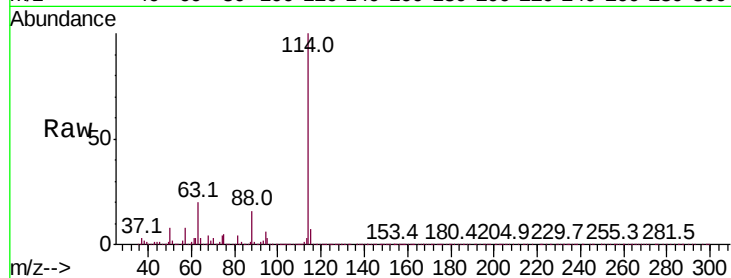
Tot Ion:114 Resp: 1093549

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

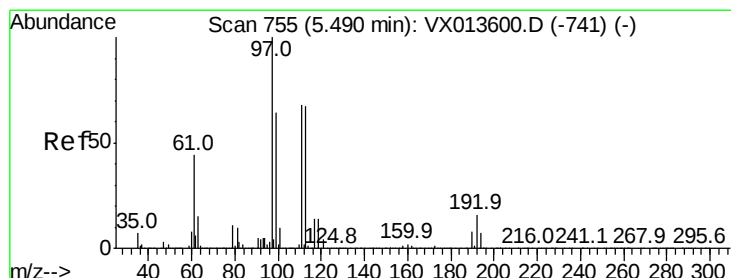
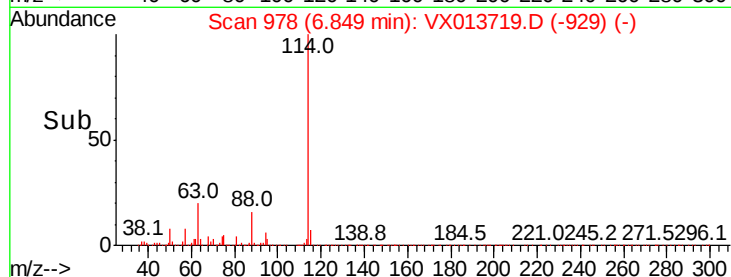
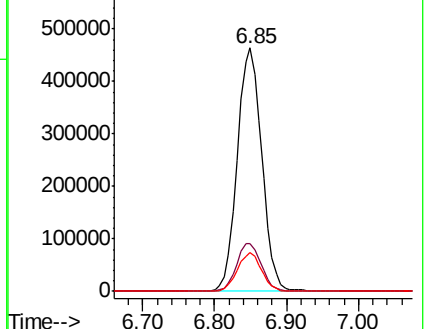
88 15.8 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.290 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

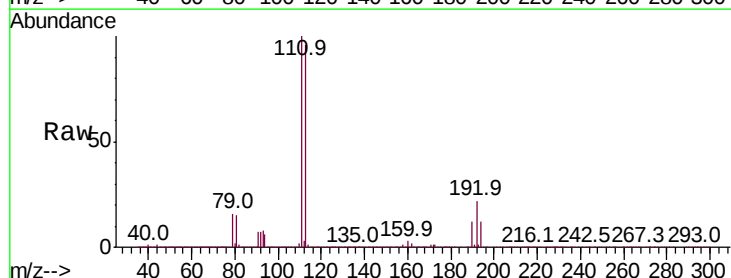
Tgt Ion:113 Resp: 326461

Ion Ratio Lower Upper

113 100

111 102.6 83.6 125.4

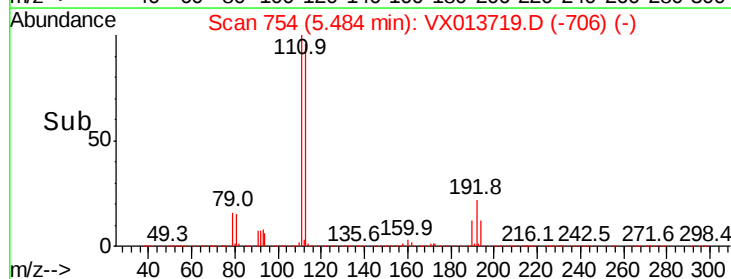
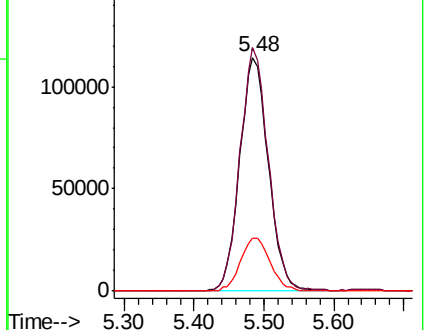
192 23.6 19.2 28.8

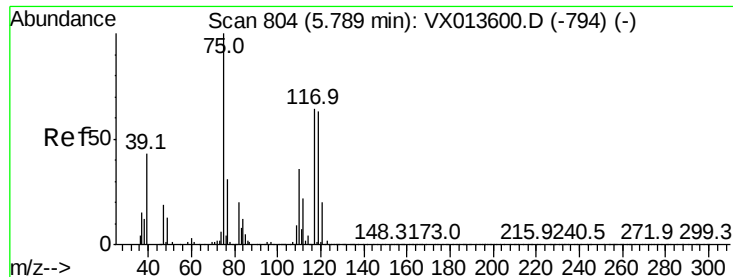


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

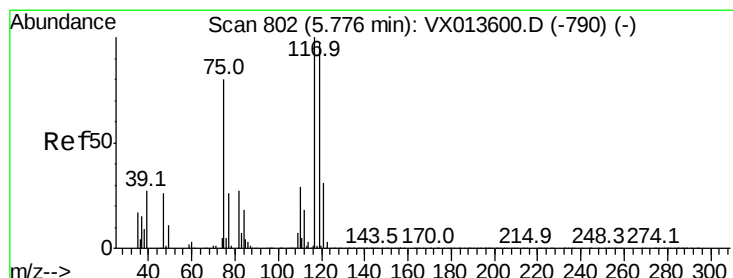
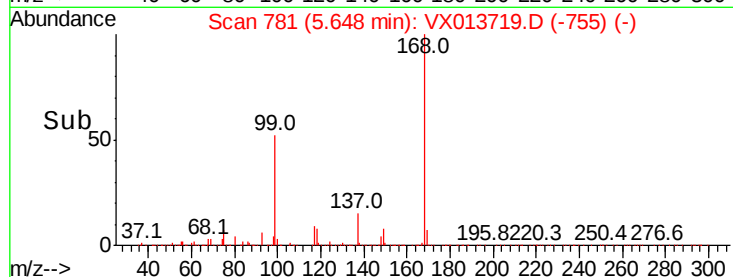
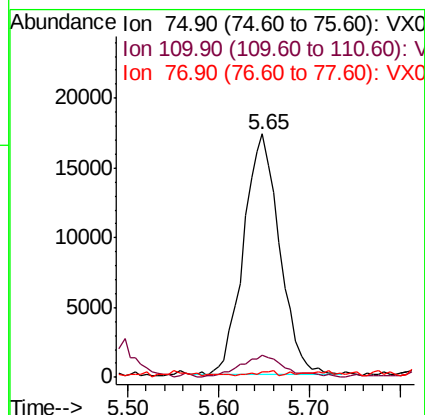
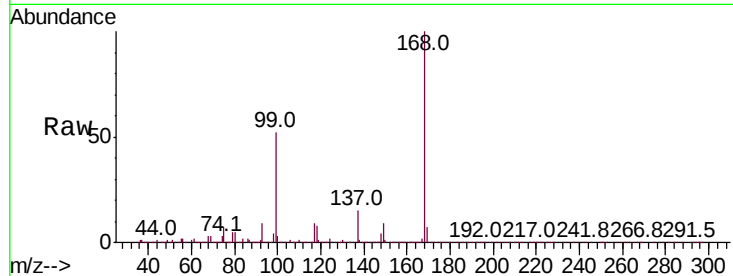




#36  
 1,1-Dichloropropene  
 Concen: 4.782 ug/l  
 RT: 5.65 min Scan# 781  
 Delta R.T. -0.14 min  
 Lab File: VX013719.D  
 Acq: 03 Dec 2019 13:00

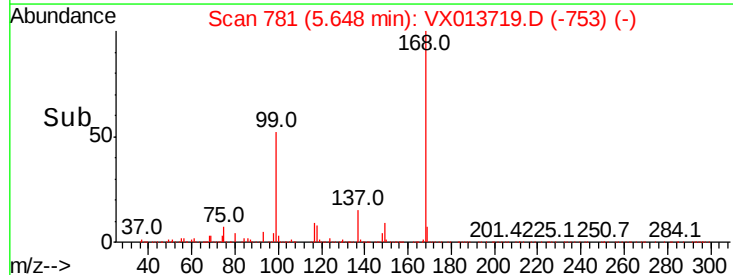
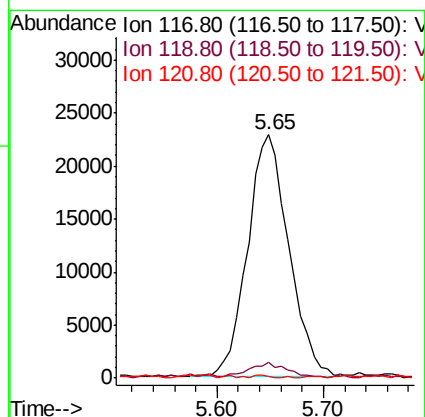
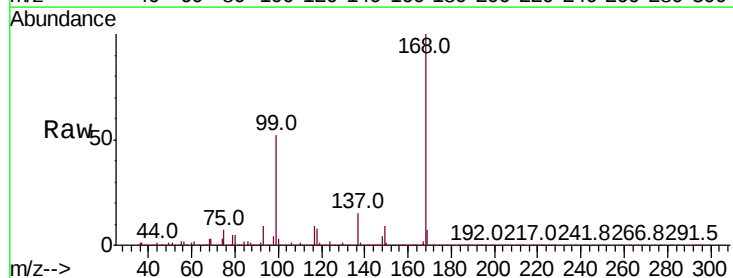
Instrument :  
 MSVOA\_X  
 ClientSampleId :

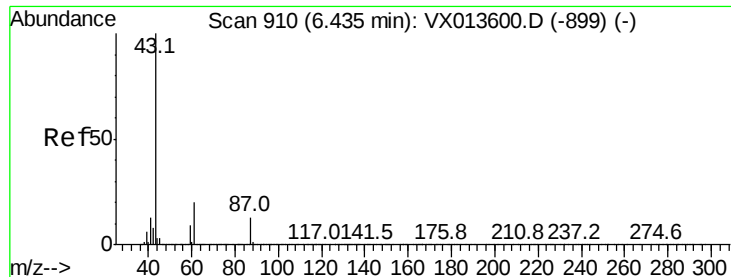
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 11.5  | 18.1  | 54.1# |
| 77      | 1.2   | 24.5  | 36.7# |



#38  
 Carbon Tetrachloride  
 Concen: 6.792 ug/l  
 RT: 5.65 min Scan# 781  
 Delta R.T. -0.13 min  
 Lab File: VX013719.D  
 Acq: 03 Dec 2019 13:00

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 4.8   | 77.5  | 116.3# |
| 121     | 0.0   | 25.0  | 37.6#  |



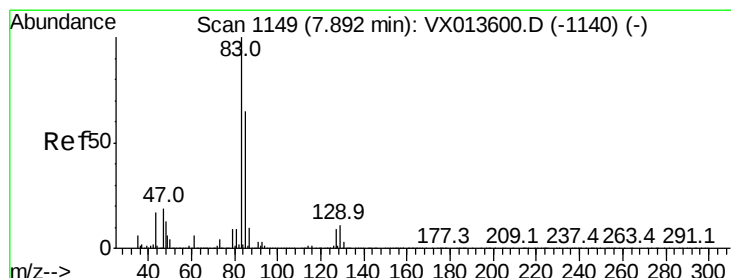
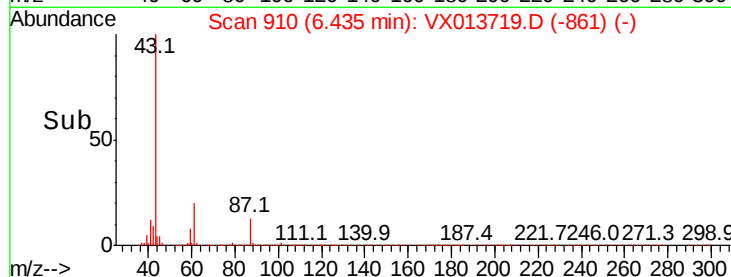
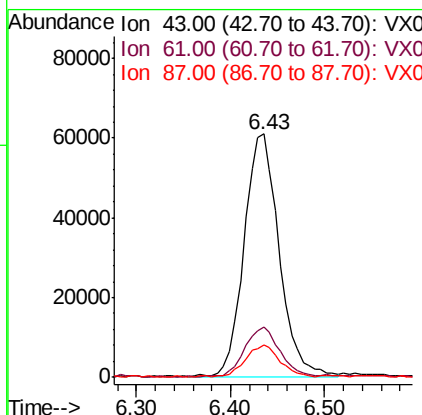
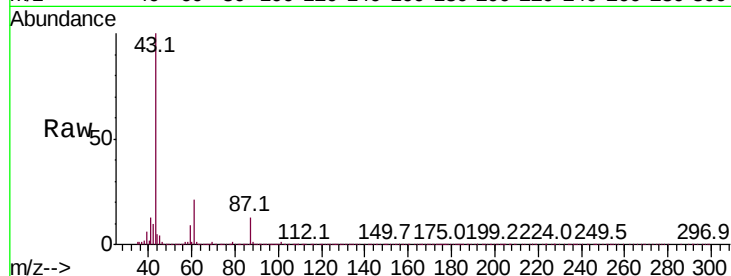


#43

Isopropyl Acetate  
 Concen: 8.550 ug/l  
 RT: 6.43 min Scan# 910  
 Delta R.T. -0.00 min  
 Lab File: VX013719.D  
 Acq: 03 Dec 2019 13:00

Instrument :  
 MSVOA\_X  
 ClientSampleId :

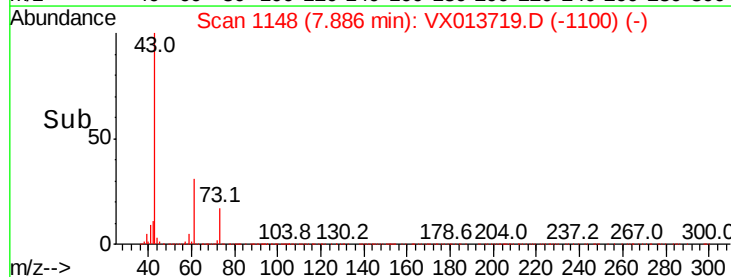
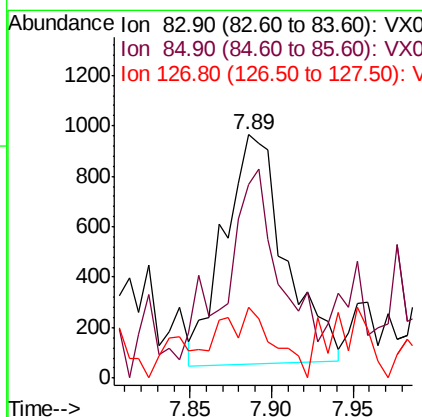
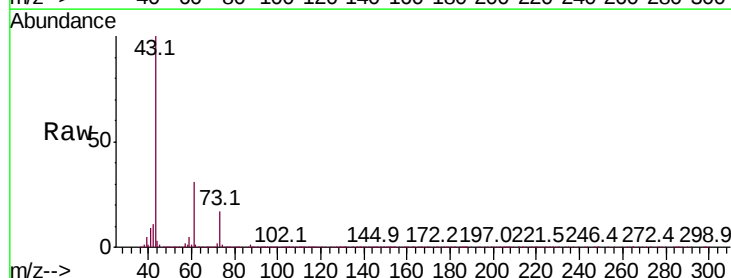
| Tot Ion | 43     | 61   | 87   |
|---------|--------|------|------|
| Resp    | 156756 |      |      |
| Ratio   | 100    | 20.7 | 12.4 |
| Lower   |        | 16.3 | 10.8 |
| Upper   |        | 24.5 | 16.2 |

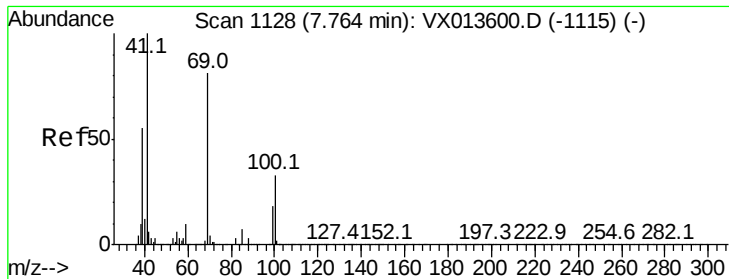


#47

Bromodichloromethane  
 Concen: 0.246 ug/l  
 RT: 7.89 min Scan# 1148  
 Delta R.T. -0.01 min  
 Lab File: VX013719.D  
 Acq: 03 Dec 2019 13:00

| Tgt Ion | 83   | 85   | 127  |
|---------|------|------|------|
| Resp    | 2387 |      |      |
| Ratio   | 100  | 69.2 | 20.4 |
| Lower   |      | 52.1 | 7.0  |
| Upper   |      | 78.1 | 10.4 |

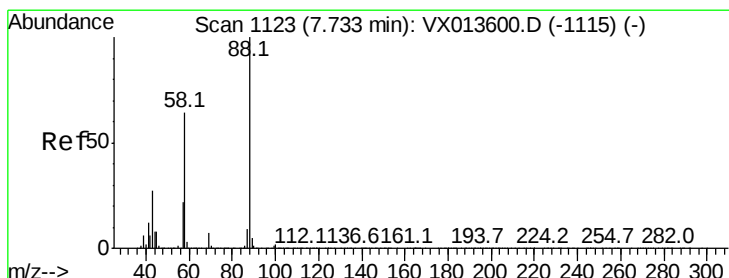
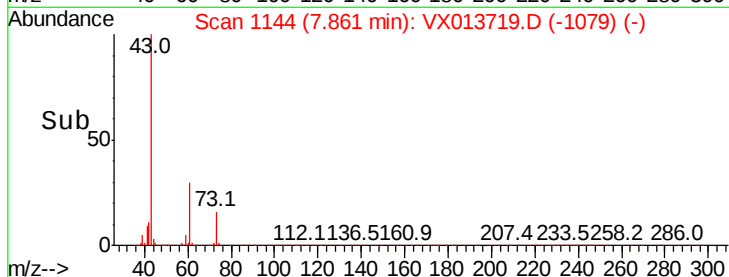
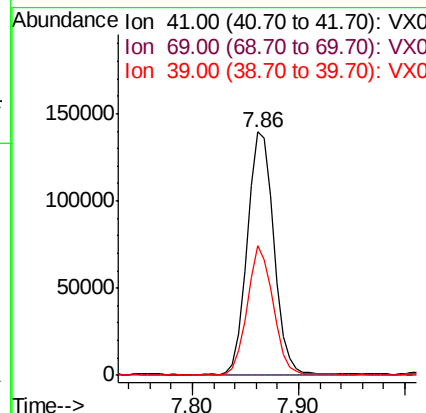
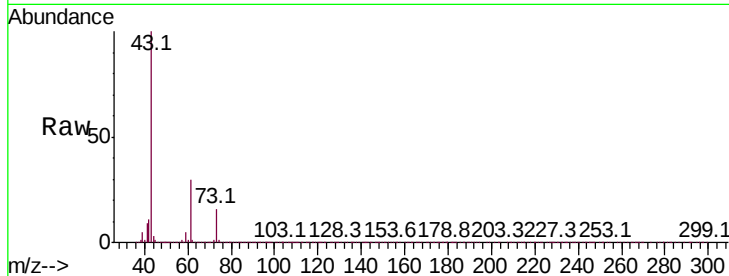




#48  
Methvl methacrylate  
Concen: 27.517 ug/l  
RT: 7.86 min Scan# 1144  
Delta R.T. 0.10 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

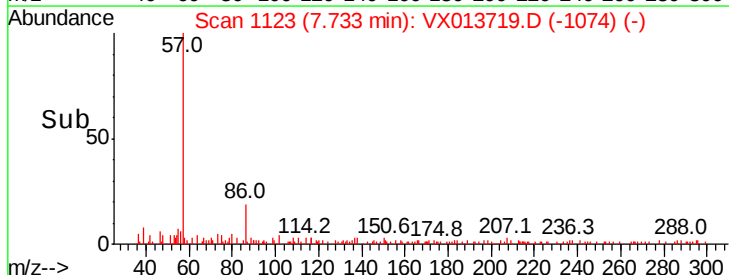
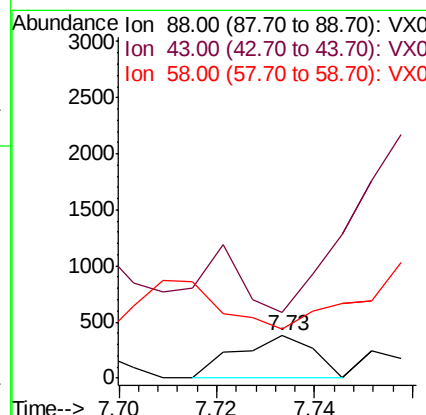
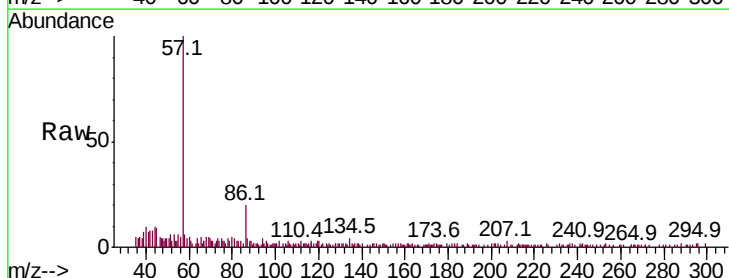
Instrument :  
MSVOA\_X  
ClientSampleId :

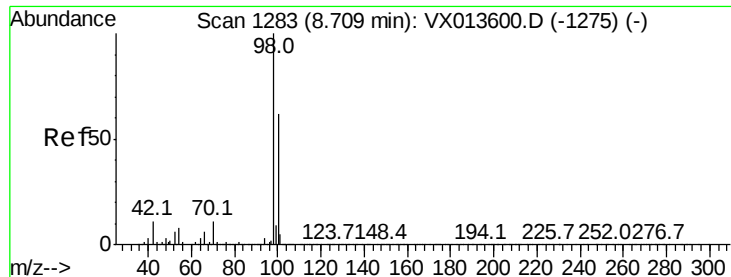
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 0.3   | 64.7  | 97.1# |
| 39      | 52.2  | 43.8  | 65.6  |



#49  
1,4-Dioxane  
Concen: 2.051 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 25.8  | 38.6# |
| 58      | 0.0   | 54.6  | 82.0# |

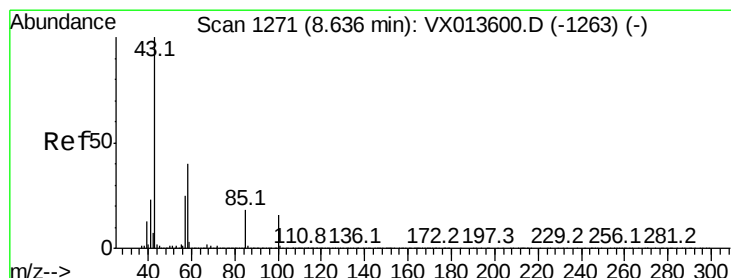
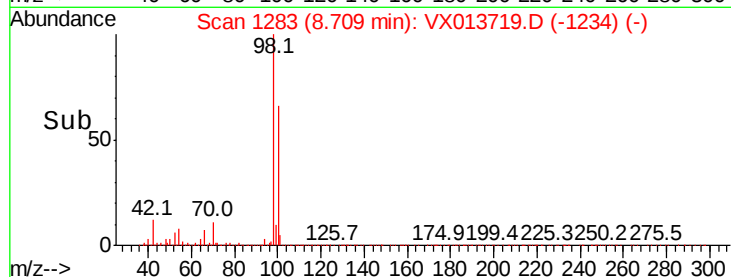
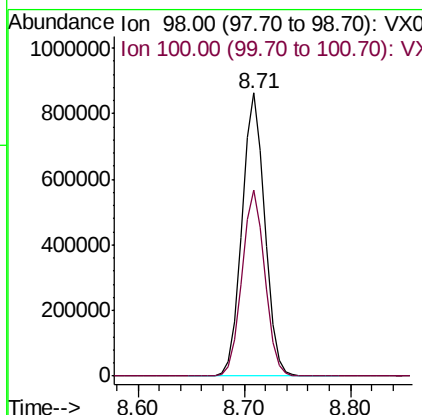
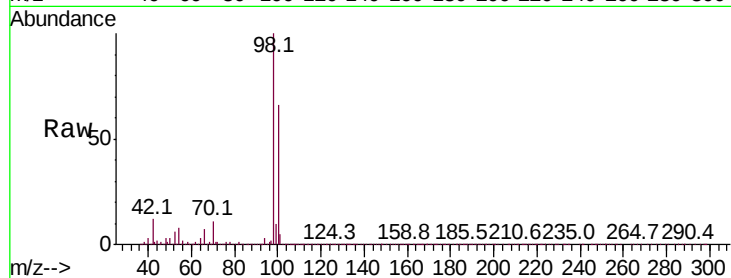




#50  
Toluene-d8  
Concen: 49.365 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

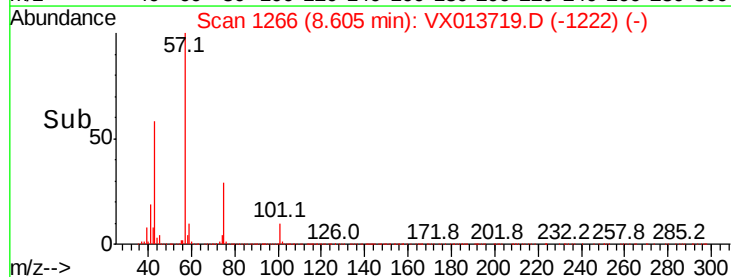
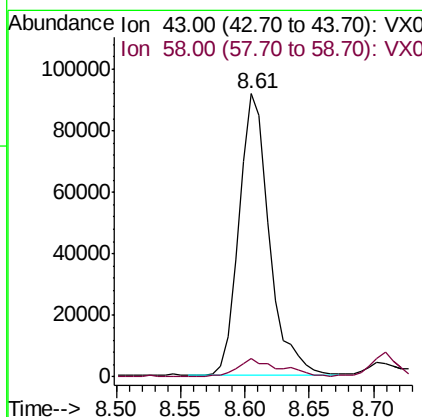
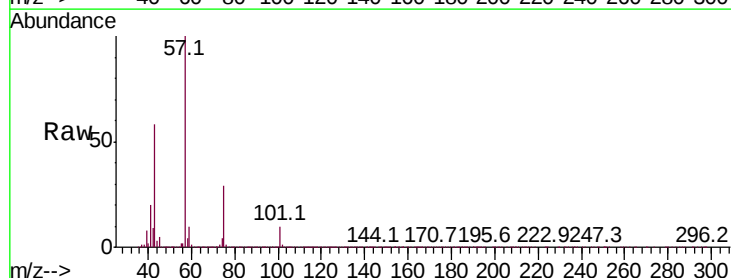
Instrument :  
MSVOA\_X  
ClientSampleId :

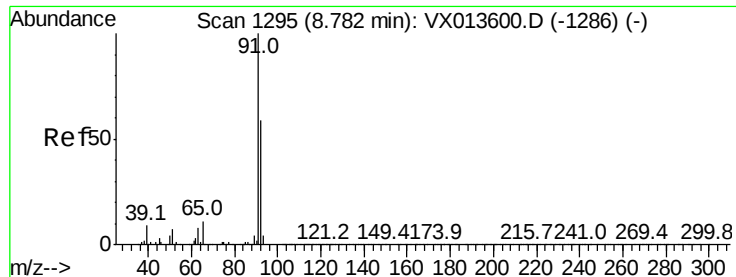
Tot Ion: 98 Resp: 1300240  
Ion Ratio Lower Upper  
98 100  
100 65.8 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 12.999 ug/l  
RT: 8.61 min Scan# 1266  
Delta R.T. -0.03 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

Tgt Ion: 43 Resp: 149909  
Ion Ratio Lower Upper  
43 100  
58 8.7 32.1 48.1#





#52

Toluene

Concen: 1.345 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

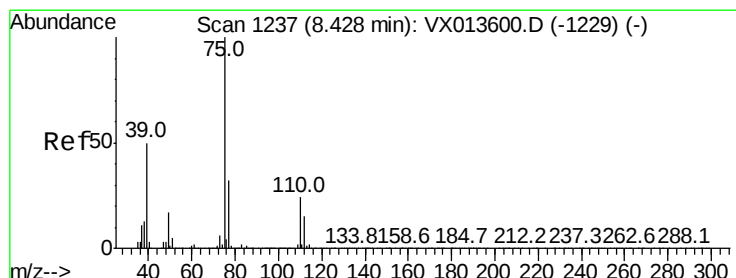
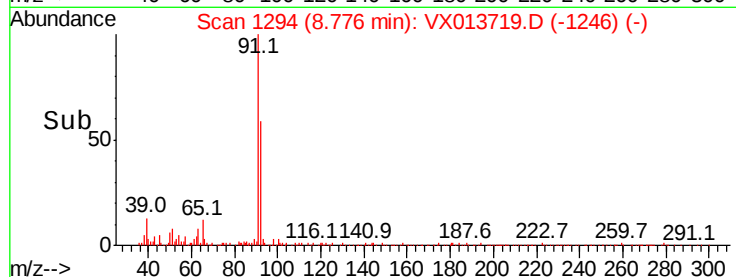
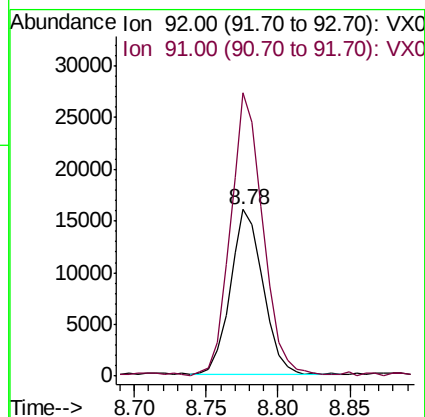
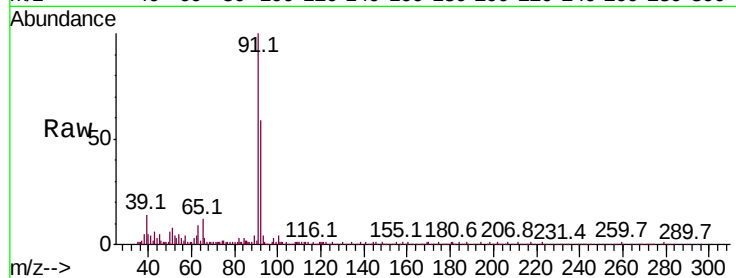
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 92 Resp: 25271

Ion Ratio Lower Upper

92 100

91 169.0 136.2 204.2



#54

cis-1,3-Dichloropropene

Concen: 5.773 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

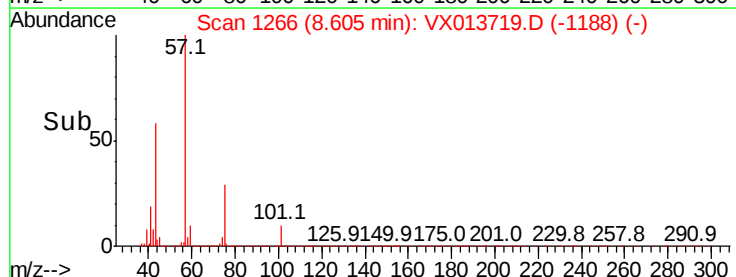
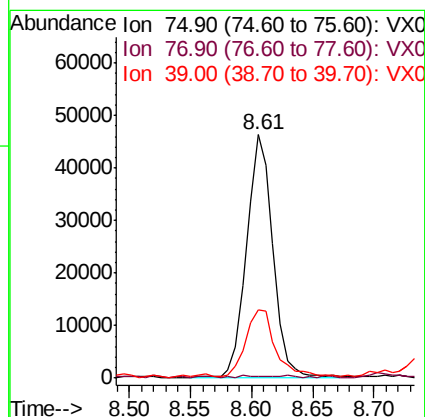
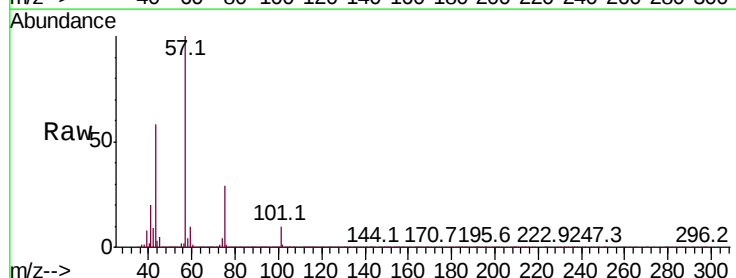
Tgt Ion: 75 Resp: 69730

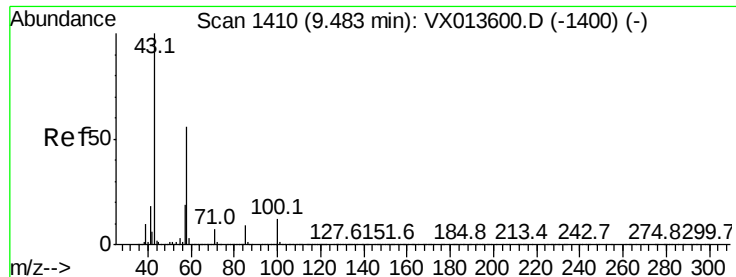
Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.6#

39 27.6 39.9 59.9#

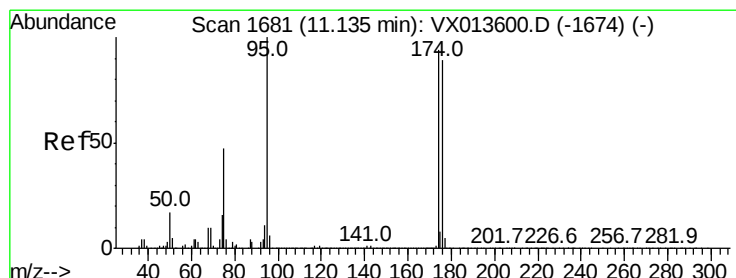
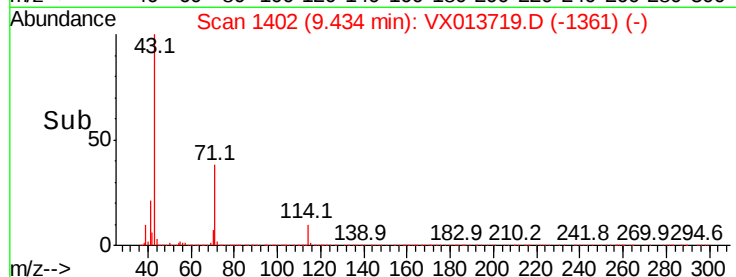
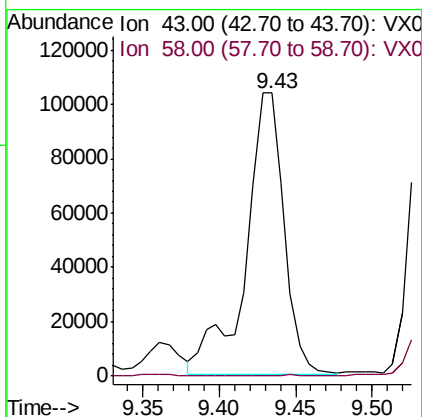
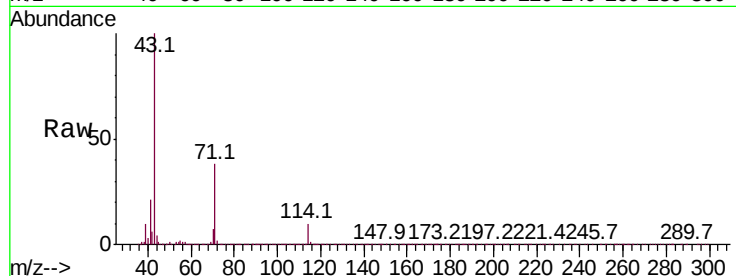




#59  
2-Hexanone  
Concen: 20.203 ug/l  
RT: 9.43 min Scan# 1402  
Delta R.T. -0.05 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

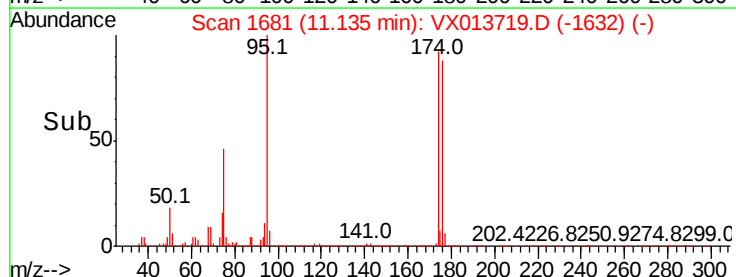
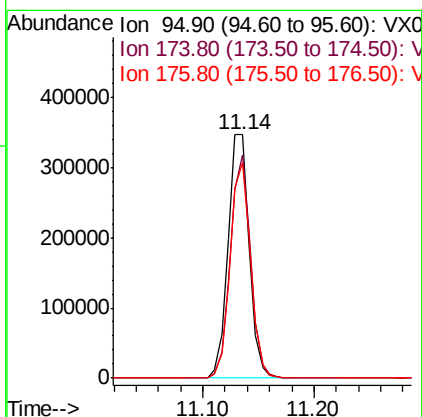
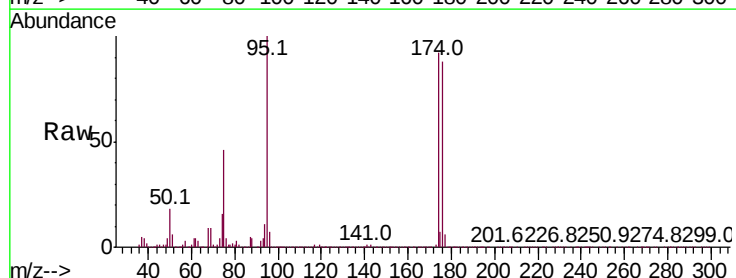
Instrument :  
MSVOA\_X  
ClientSampleId :

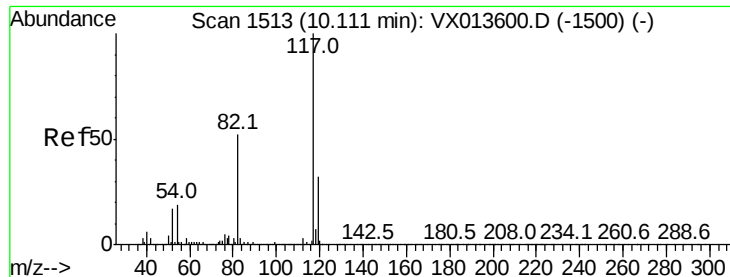
Tot Ion: 43 Resp: 181709  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.1 84.4#



#62  
4-Bromofluorobenzene  
Concen: 47.855 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

Tgt Ion: 95 Resp: 454528  
Ion Ratio Lower Upper  
95 100  
174 87.7 0.0 180.0  
176 85.4 0.0 173.6

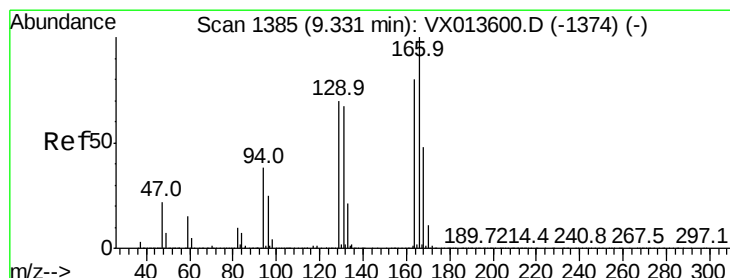
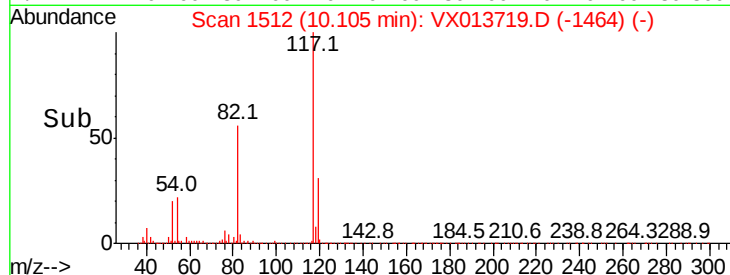
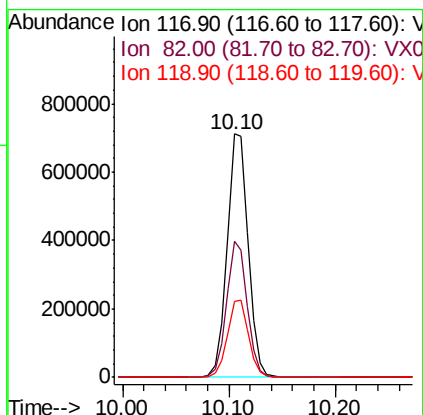
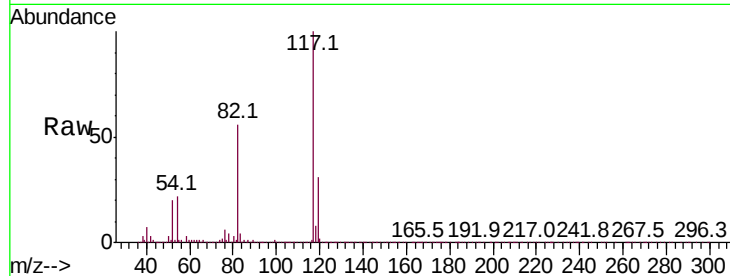




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

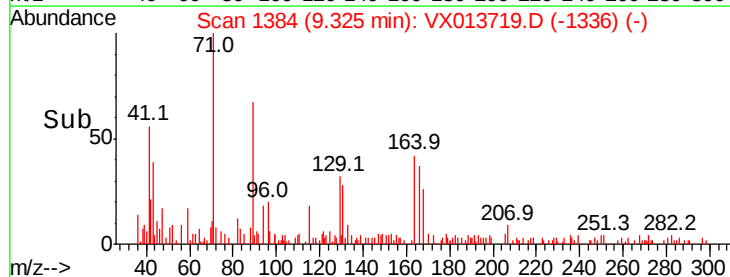
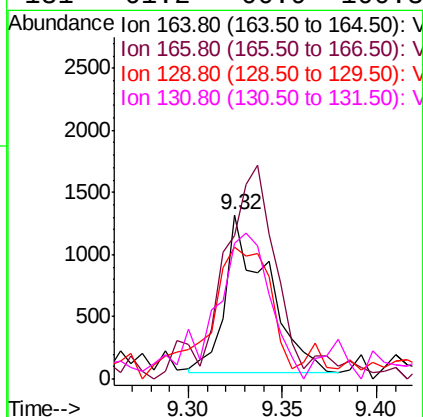
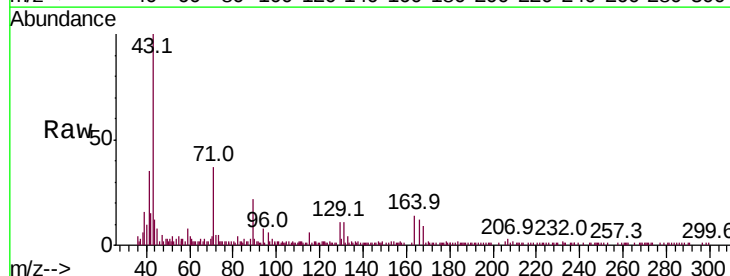
Instrument :  
MSVOA\_X  
ClientSampleId :

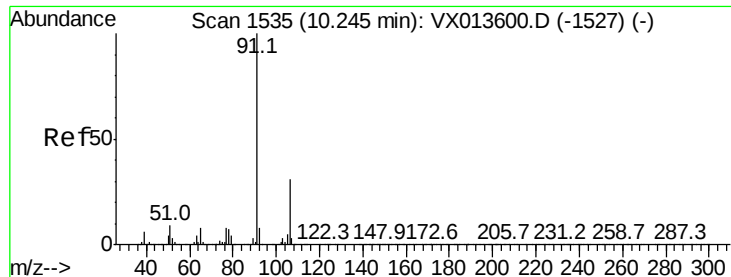
Tot Ion:117 Resp: 986852  
Ion Ratio Lower Upper  
117 100  
82 55.9 41.8 62.8  
119 31.3 25.8 38.8



#64  
Tetrachloroethene  
Concen: 0.269 ug/l  
RT: 9.32 min Scan# 1384  
Delta R.T. -0.01 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

Tgt Ion:164 Resp: 1977  
Ion Ratio Lower Upper  
164 100  
166 82.6 99.7 149.5#  
129 77.5 70.1 105.1  
131 61.2 66.9 100.3#

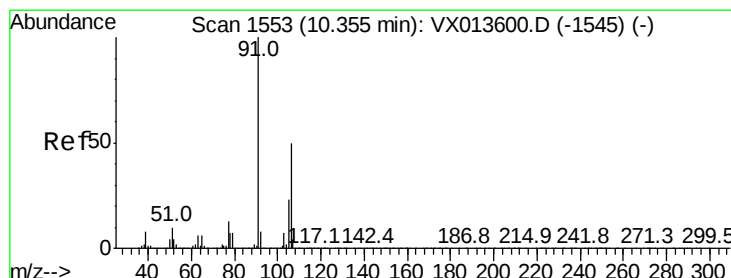
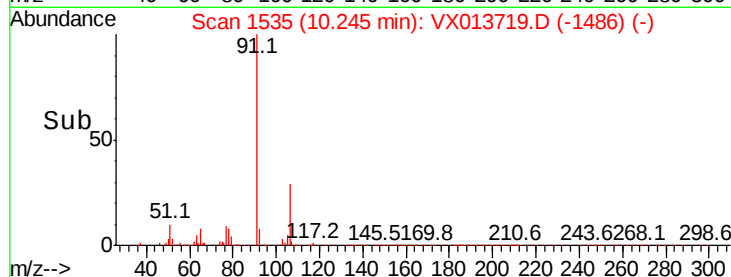
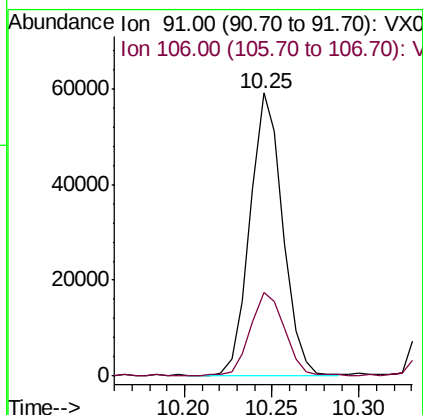
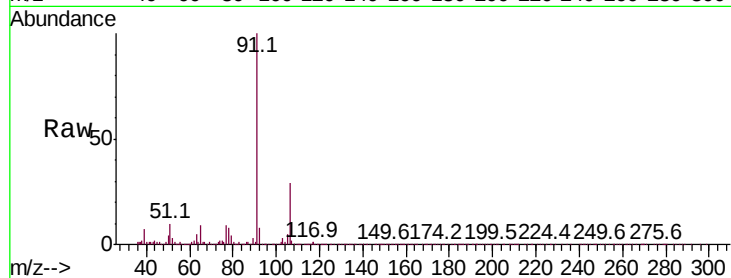




#67  
Ethyl Benzene  
Concen: 2.170 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

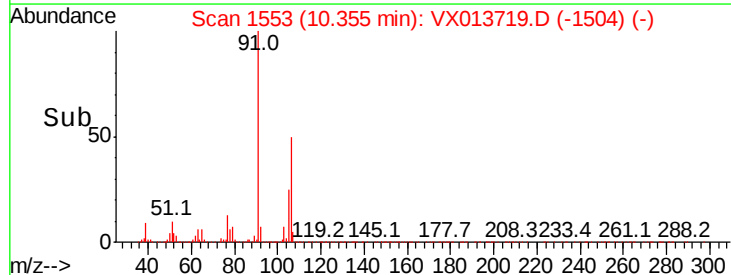
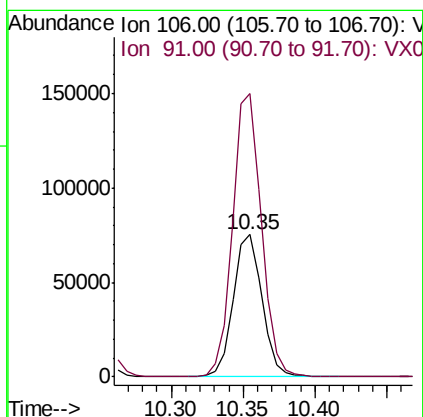
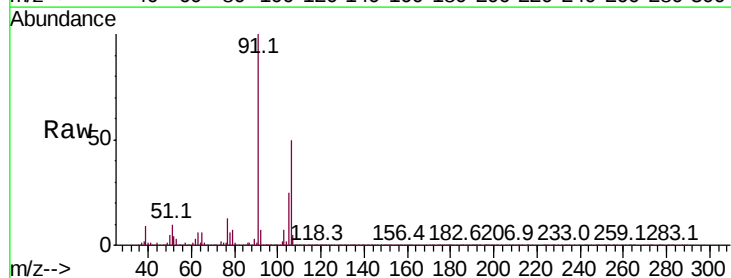
Instrument :  
MSVOA\_X  
ClientSampleId :

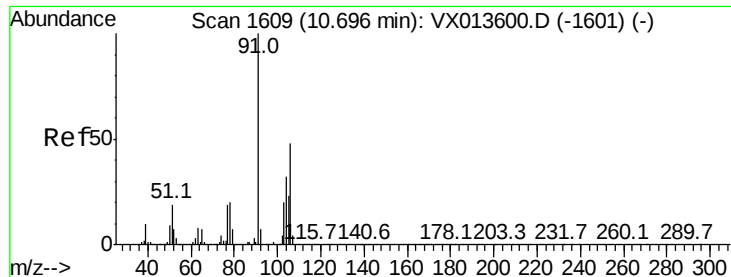
Tot Ion: 91 Resp: 76398  
Ion Ratio Lower Upper  
91 100  
106 29.2 24.5 36.7



#68  
m/p-Xylenes  
Concen: 7.838 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

Tgt Ion: 106 Resp: 105659  
Ion Ratio Lower Upper  
106 100  
91 198.0 159.0 238.4

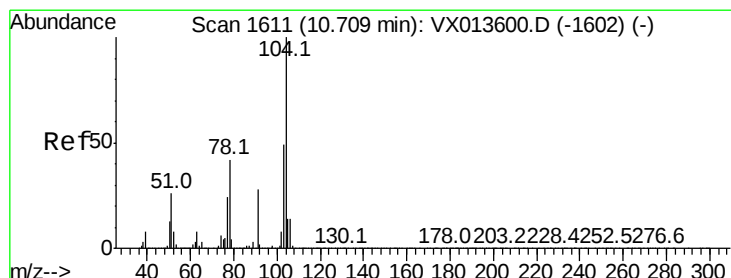
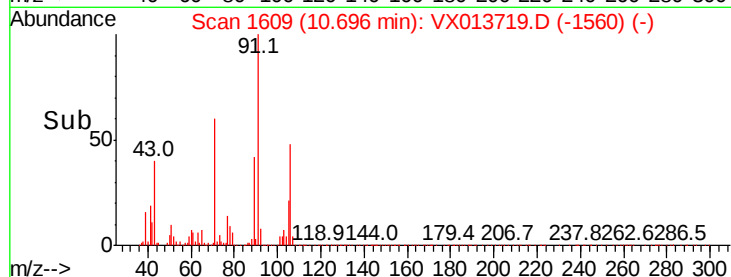
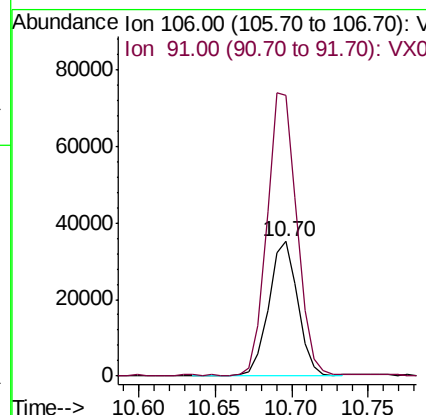
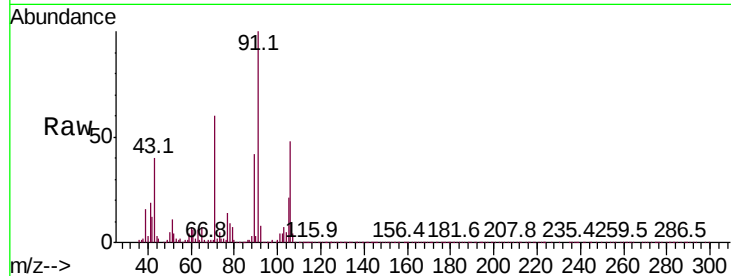




#69  
o-Xylene  
Concen: 3.543 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

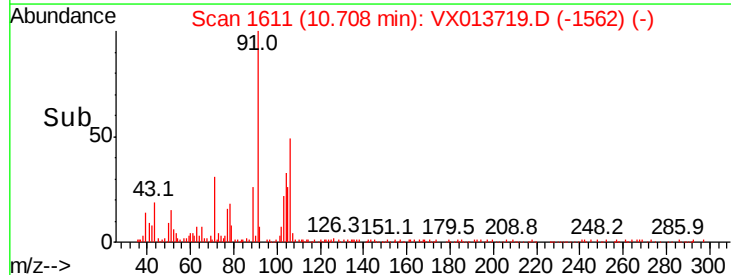
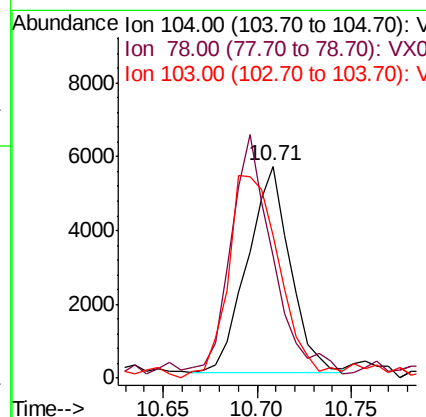
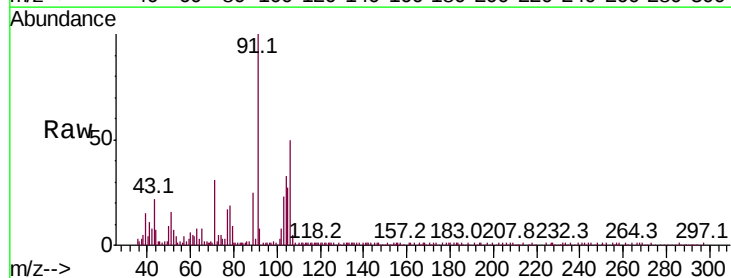
Instrument :  
MSVOA\_X  
ClientSampleId :

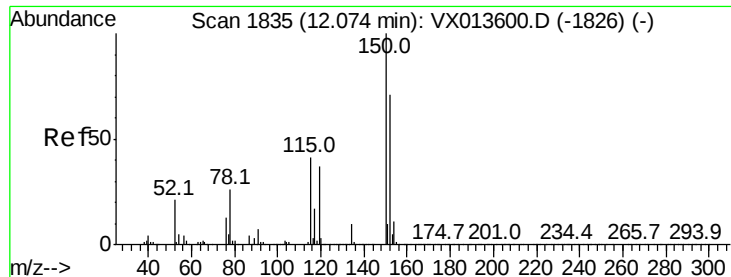
Tot Ion:106 Resp: 46584  
Ion Ratio Lower Upper  
106 100  
91 216.1 104.1 312.2



#70  
Styrene  
Concen: 0.400 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

Tgt Ion:104 Resp: 8851  
Ion Ratio Lower Upper  
104 100  
78 112.2 38.5 57.7#  
103 118.2 43.7 65.5#



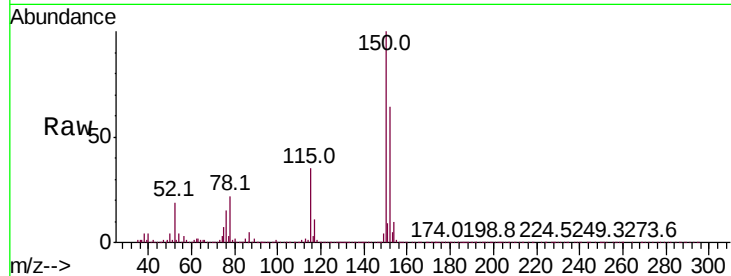


#72

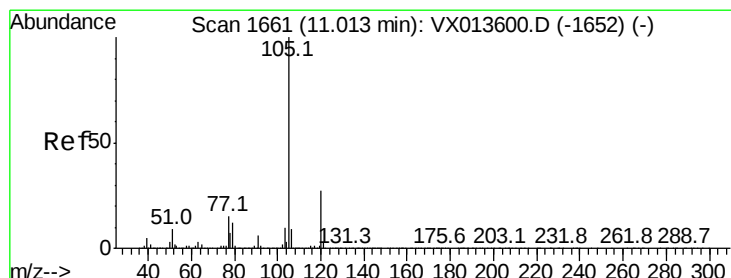
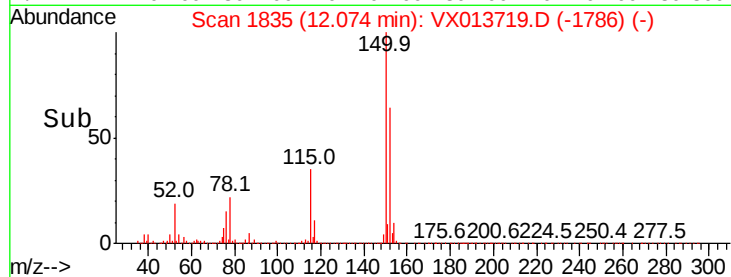
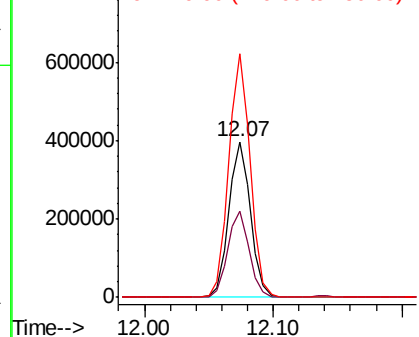
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.9  | 38.4  | 115.1 |
| 150     | 155.5 | 0.0   | 346.8 |



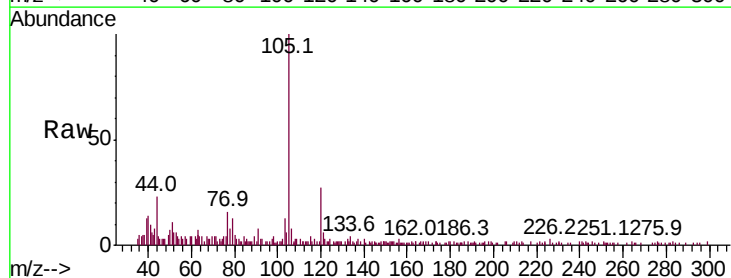
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



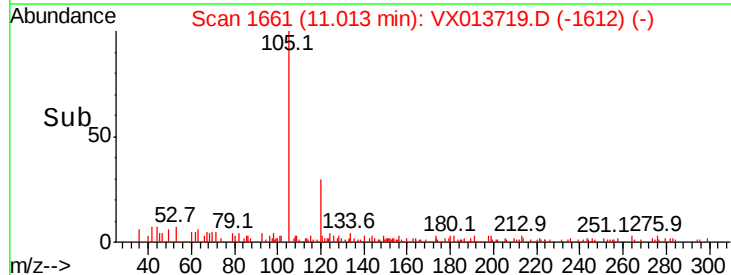
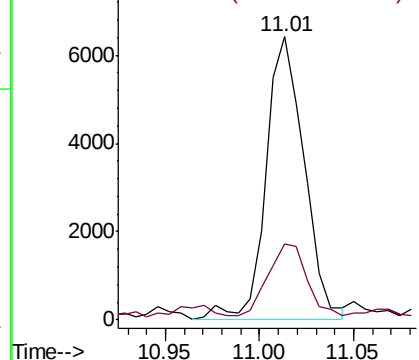
#73

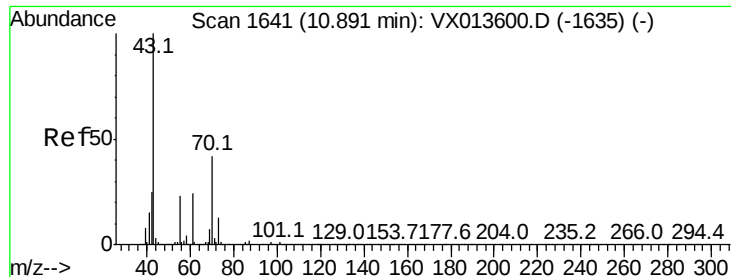
Isopropylbenzene  
Concen: 0.275 ug/l  
RT: 11.01 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 25.7  | 13.5  | 40.5  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V

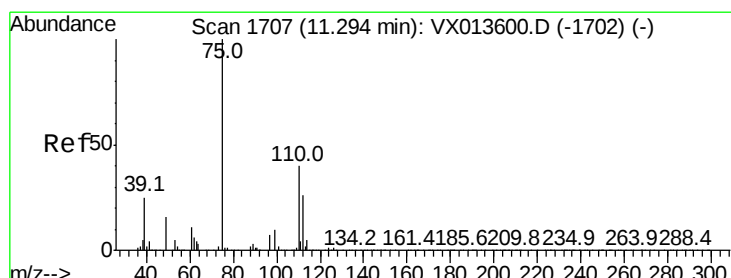
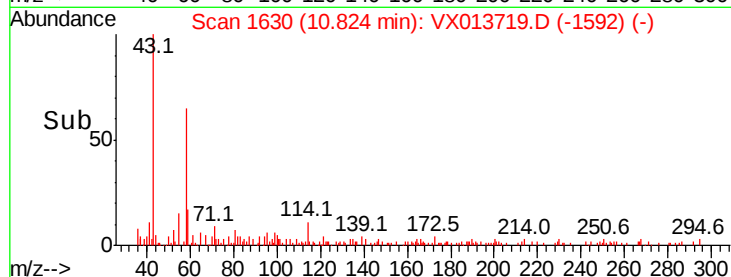
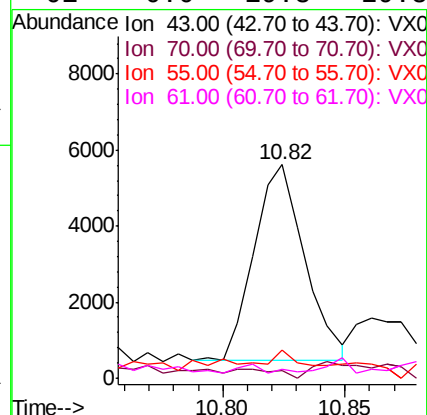
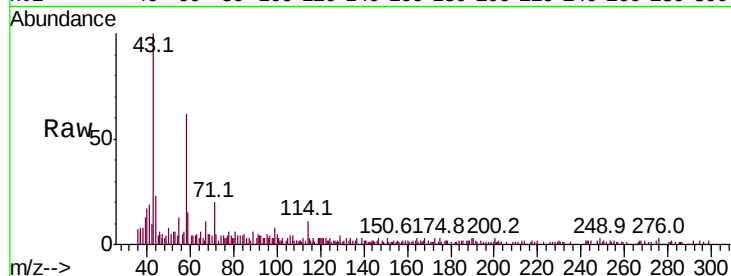




#74  
N-amvl acetate  
Concen: 0.491 ug/l  
RT: 10.82 min Scan# 1630  
Delta R.T. -0.07 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

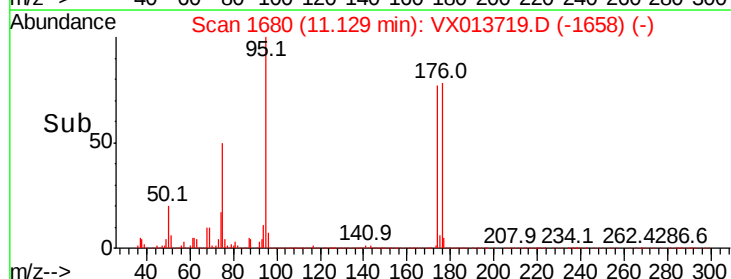
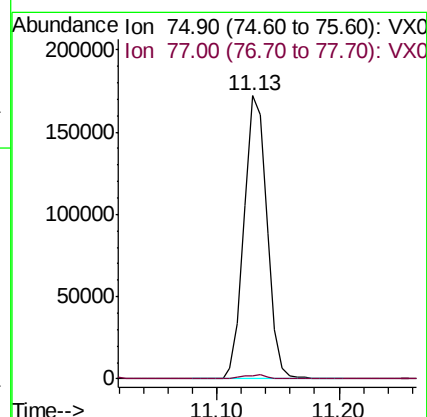
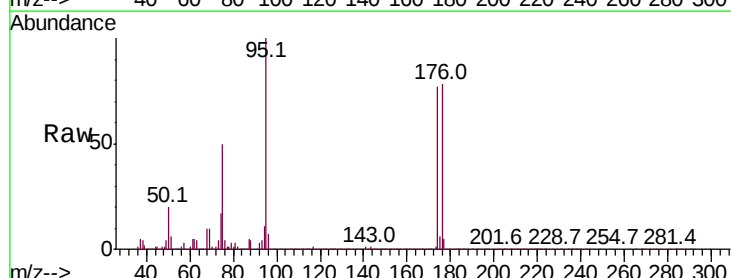
Instrument :  
MSVOA\_X  
ClientSampleId :

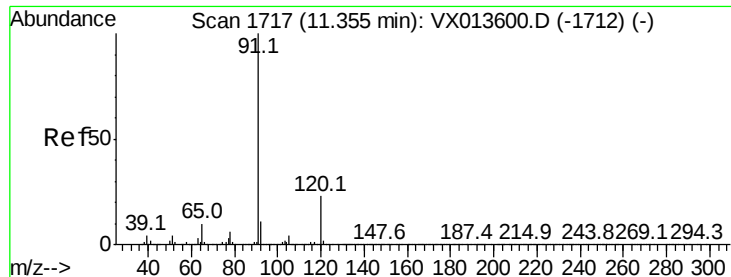
Tot Ion: 43 Resp: 7417  
Ion Ratio Lower Upper  
43 100  
70 11.6 34.3 51.5#  
55 2.5 18.5 27.7#  
61 0.0 19.8 29.8#



#76  
1,2,3-Trichloropropane  
Concen: 21.038 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. -0.16 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

Tgt Ion: 75 Resp: 222435  
Ion Ratio Lower Upper  
75 100  
77 1.6 19.1 57.5#





#78

n-propylbenzene

Concen: 0.567 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

Instrument :

MSVOA\_X

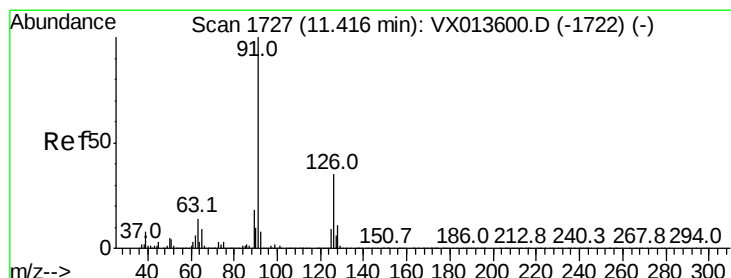
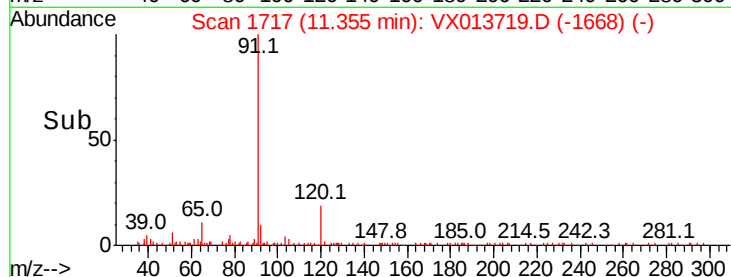
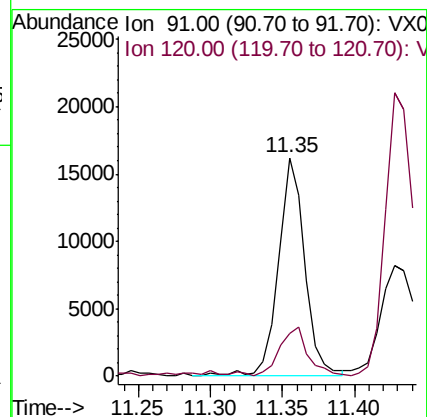
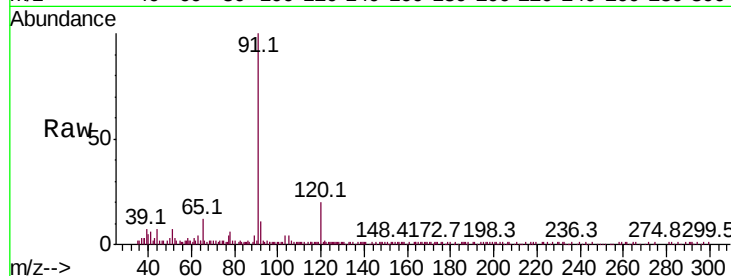
ClientSampleId :

Tot Ion: 91 Resp: 20869

Ion Ratio Lower Upper

91 100

120 22.7 11.8 35.3



#79

2-Chlorotoluene

Concen: 0.724 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX013719.D

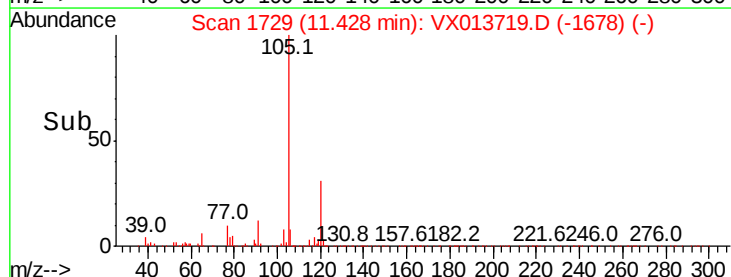
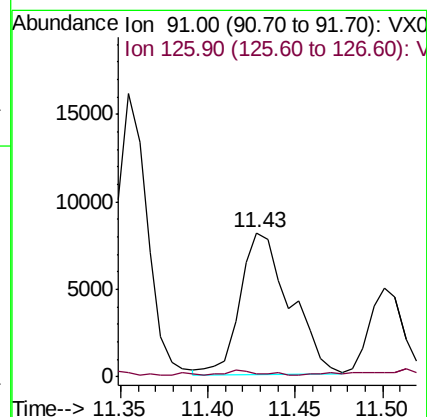
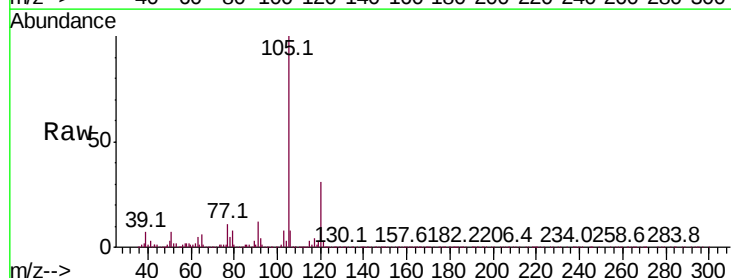
Acq: 03 Dec 2019 13:00

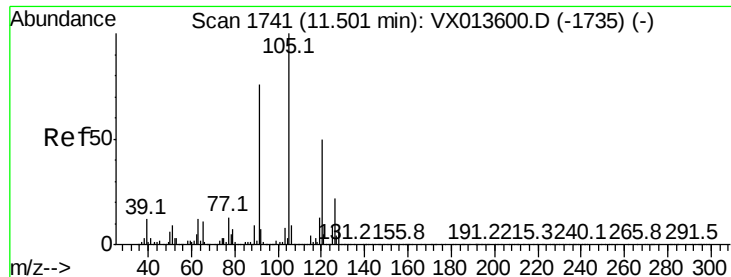
Tgt Ion: 91 Resp: 15989

Ion Ratio Lower Upper

91 100

126 2.2 17.5 52.5#

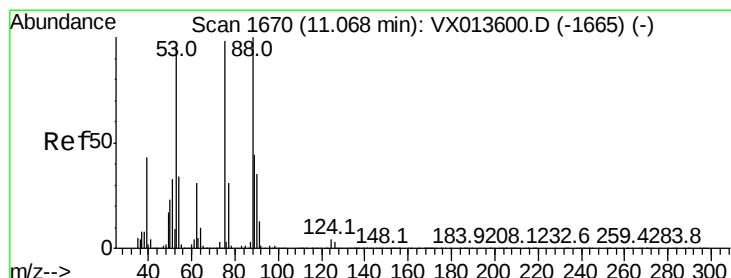
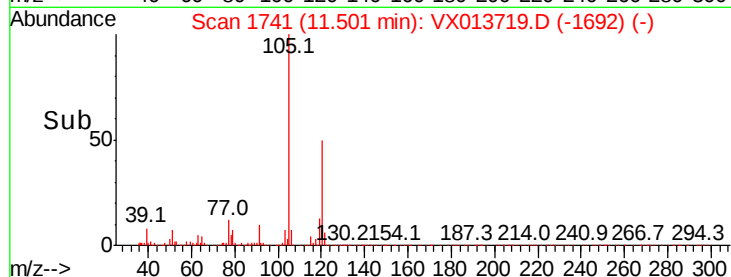
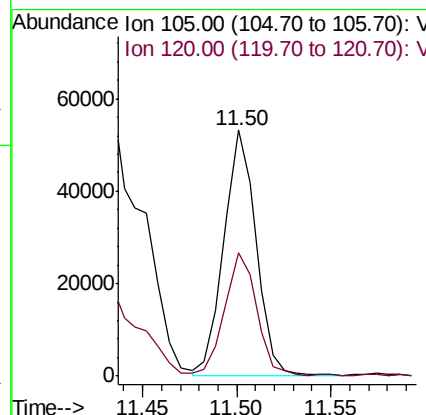
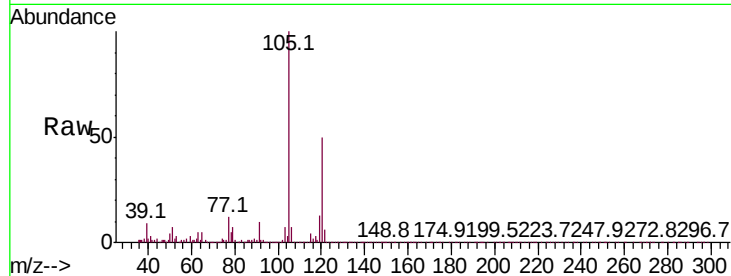




#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.323 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VX013719.D  
 Acq: 03 Dec 2019 13:00

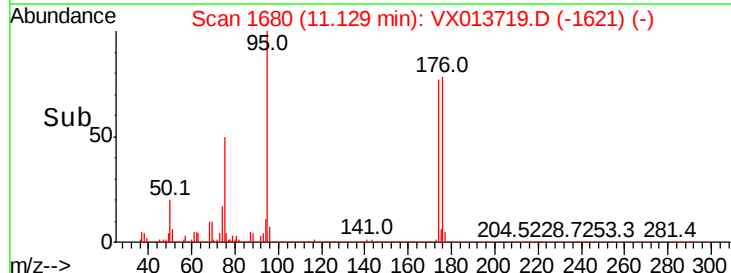
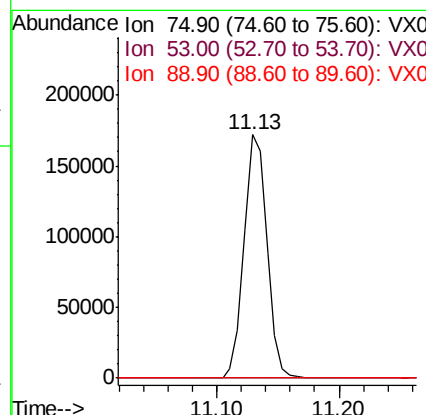
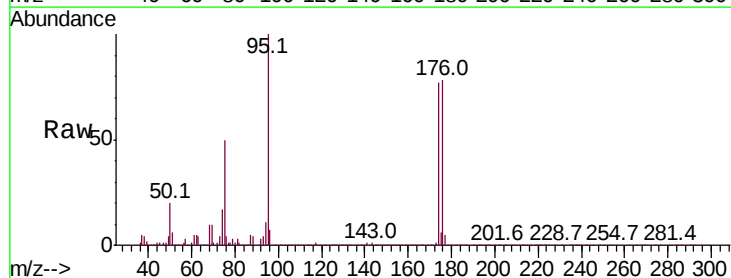
Instrument :  
 MSVOA\_X  
 ClientSampleId :

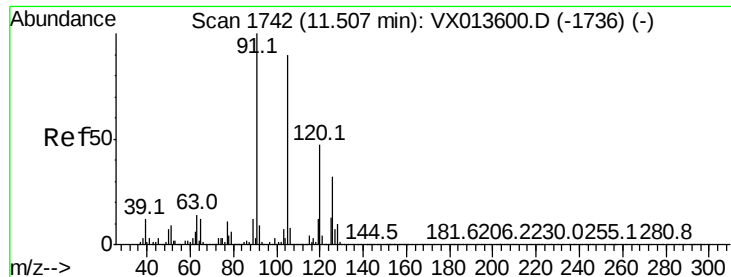
Tot Ion:105 Resp: 62767  
 Ion Ratio Lower Upper  
 105 100  
 120 49.7 25.3 75.9



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 57.557 ug/l  
 RT: 11.13 min Scan# 1680  
 Delta R.T. 0.06 min  
 Lab File: VX013719.D  
 Acq: 03 Dec 2019 13:00

Tgt Ion: 75 Resp: 222435  
 Ion Ratio Lower Upper  
 75 100  
 53 0.3 78.2 117.2#  
 89 0.2 35.4 53.2#

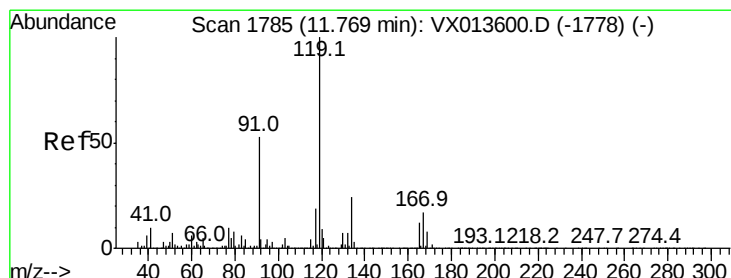
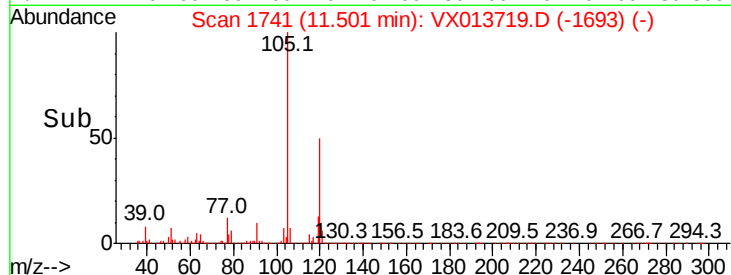
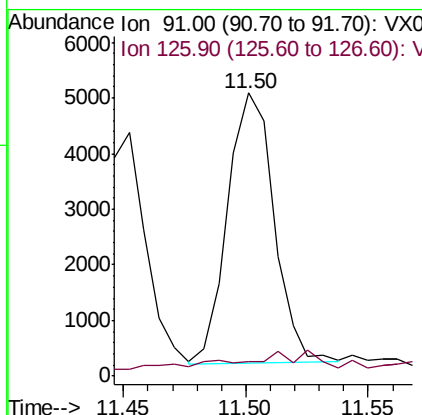
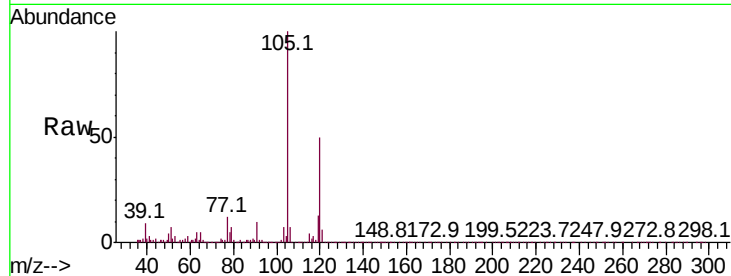




#82  
4-Chlorotoluene  
Concen: 0.252 ug/l  
RT: 11.50 min Scan# 1741  
Delta R.T. -0.01 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

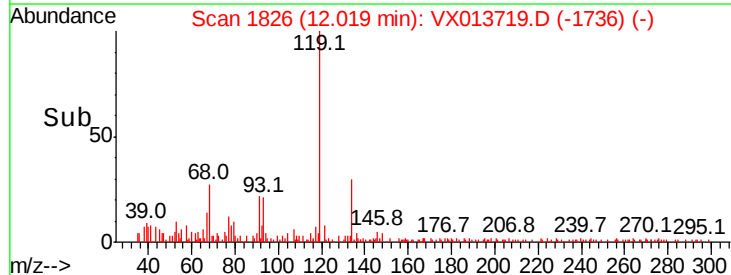
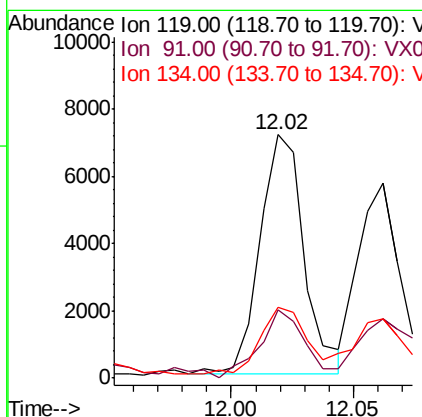
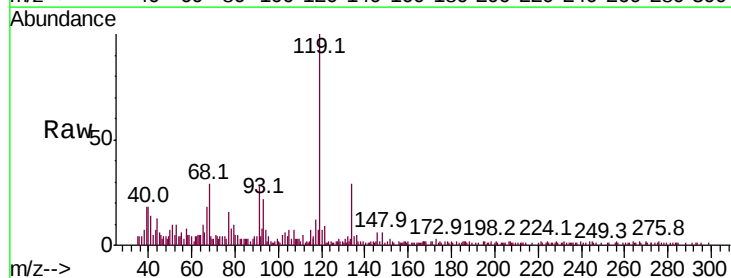
Instrument :  
MSVOA\_X  
ClientSampleId :

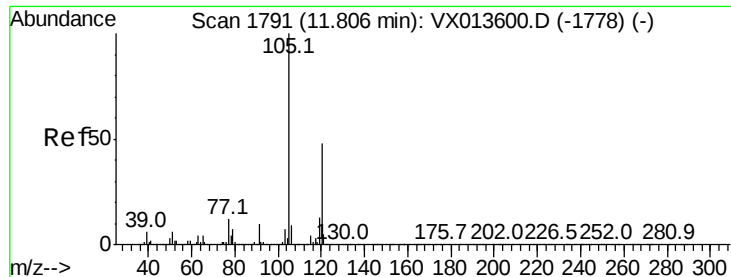
Tot Ion: 91 Resp: 6437  
Ion Ratio Lower Upper  
91 100  
126 4.2 15.7 47.0#



#83  
tert-Butylbenzene  
Concen: 0.325 ug/l  
RT: 12.02 min Scan# 1826  
Delta R.T. 0.25 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

Tgt Ion: 119 Resp: 8932  
Ion Ratio Lower Upper  
119 100  
91 28.6 27.2 81.6  
134 28.9 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 10.185 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

Instrument :

MSVOA\_X

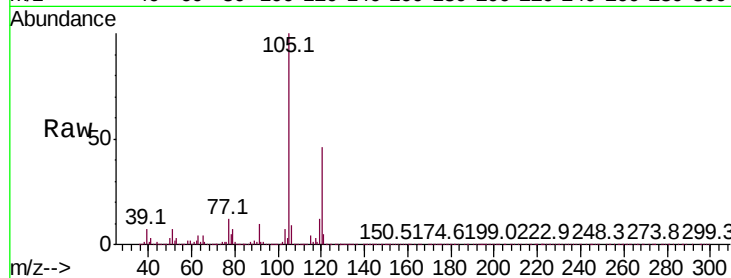
ClientSampleId :

Tot Ion:105 Resp: 279342

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

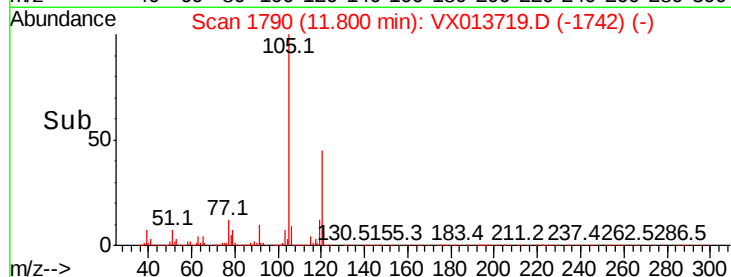
100000

50000

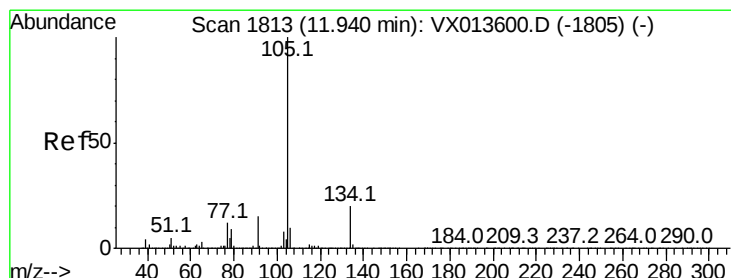
0

11.80

11.90



Time-->



#85

sec-Butylbenzene

Concen: 8.904 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.14 min

Lab File: VX013719.D

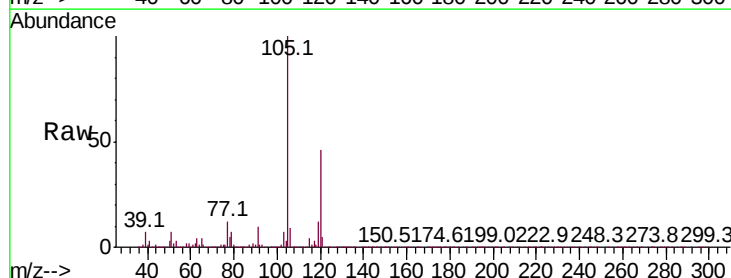
Acq: 03 Dec 2019 13:00

Tgt Ion:105 Resp: 279342

Ion Ratio Lower Upper

105 100

134 0.1 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

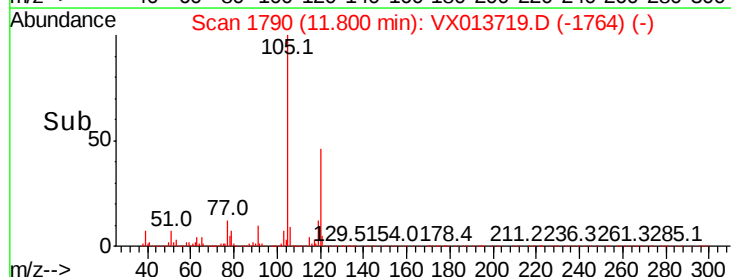
100000

50000

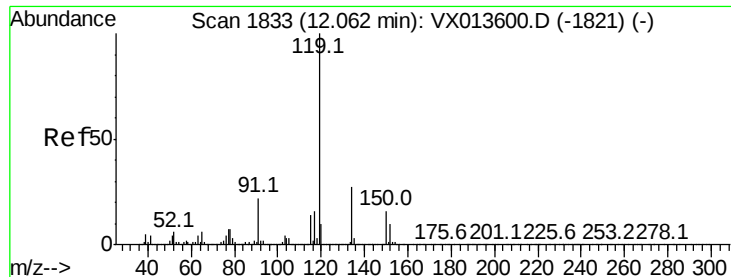
0

11.80

11.90



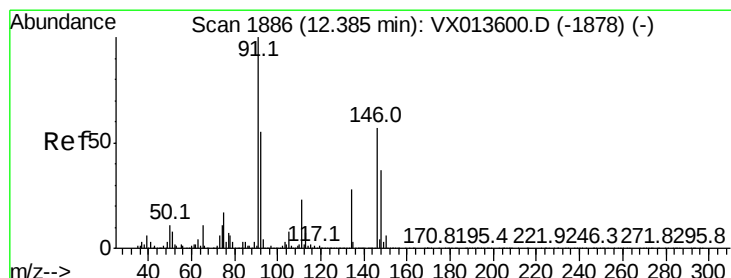
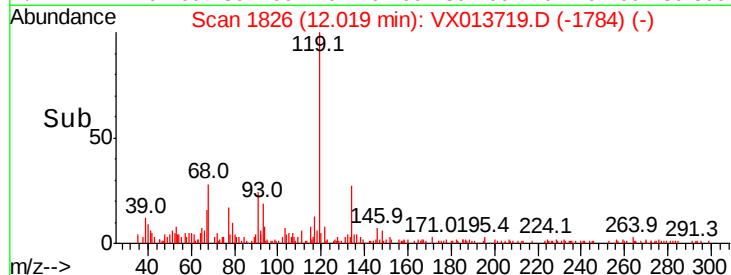
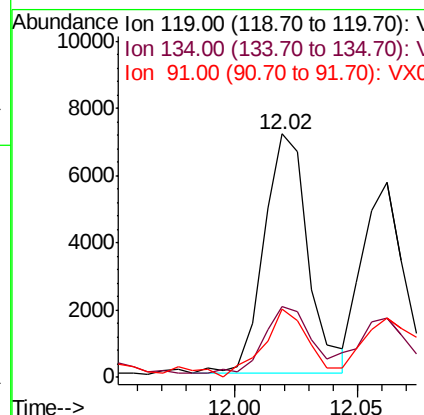
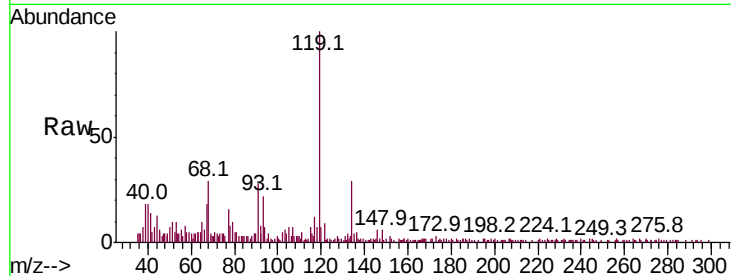
Time-->



#86  
p-Isopropyltoluene  
Concen: 0.306 ug/l  
RT: 12.02 min Scan# 1826  
Delta R.T. -0.04 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

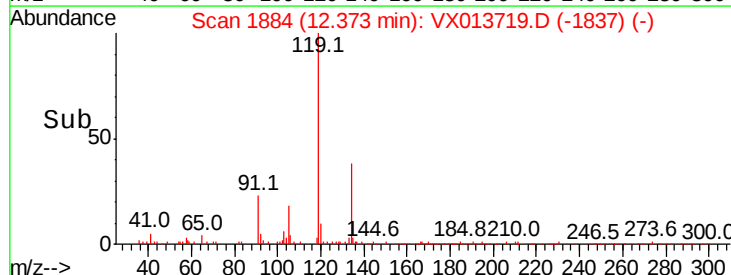
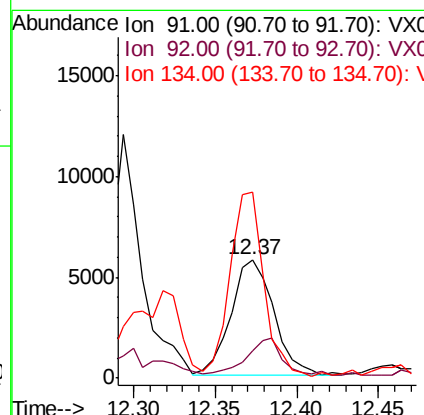
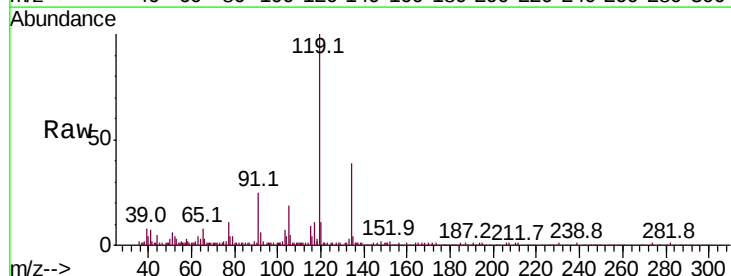
Instrument :  
MSVOA\_X  
ClientSampleId :

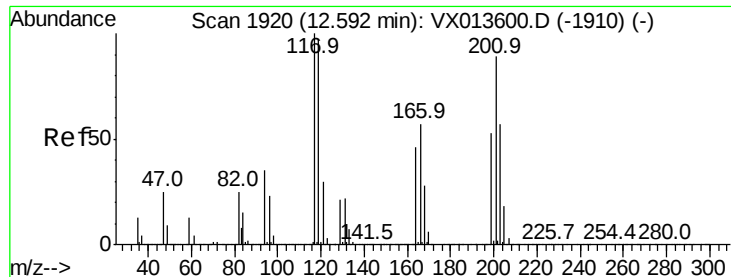
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 28.9  | 13.3  | 39.9  |
| 91      | 28.6  | 11.3  | 33.8  |



#89  
n-Butylbenzene  
Concen: 0.420 ug/l  
RT: 12.37 min Scan# 1884  
Delta R.T. -0.01 min  
Lab File: VX013719.D  
Acq: 03 Dec 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 27.7  | 27.4  | 82.2  |
| 134     | 125.8 | 13.5  | 40.4  |





#90

Hexachloroethane

Concen: 0.707 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

Instrument :

MSVOA\_X

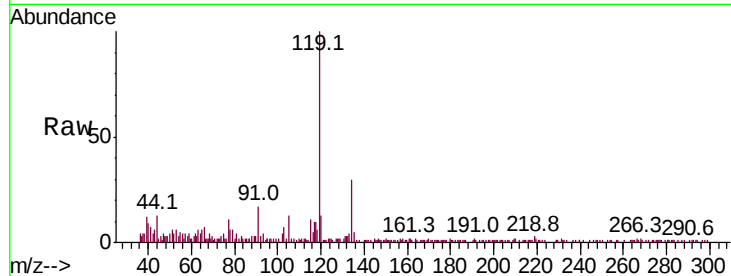
ClientSampleId :

Tot Ion:117 Resp: 3731

Ion Ratio Lower Upper

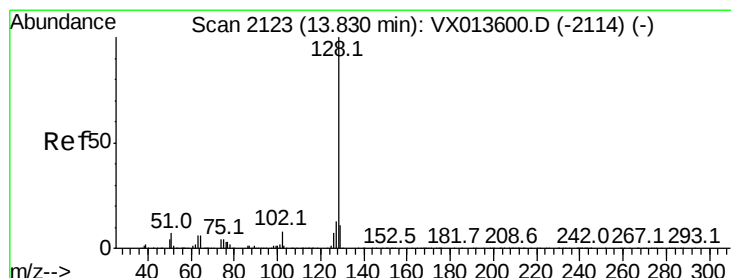
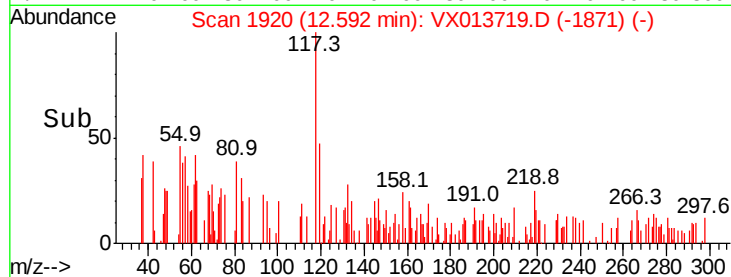
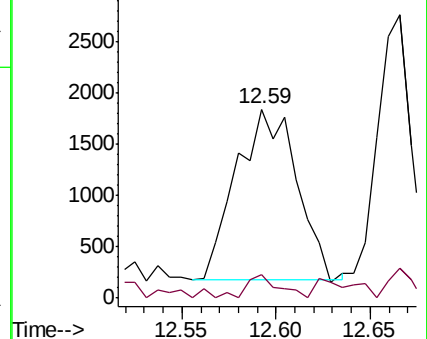
117 100

201 7.3 44.1 132.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 20.807 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013719.D

Acq: 03 Dec 2019 13:00

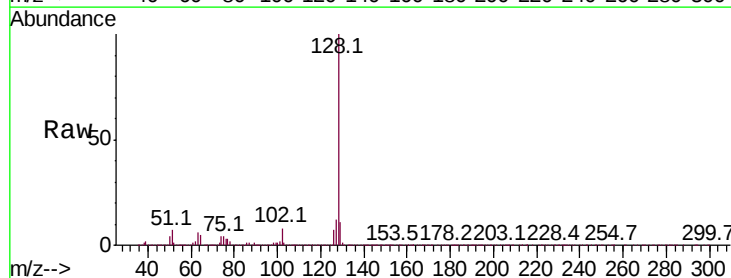
Tgt Ion:128 Resp: 662566

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

