

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\  
 Data File : VX006444.D  
 Acq On : 12 Dec 2018 14:53  
 Operator : JC/MD  
 Sample : J6350-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SV-27781L

Quant Time: Dec 13 06:09:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 741782   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1115505  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 1003059  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 508047   | 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   | 360568   | 47.62 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.24% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 337921   | 46.79 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.58% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1294456  | 49.27 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.54% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 483933   | 48.88 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.76% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc     | Units  | Qvalue |
|--------------------------------|-------|------|----------|----------|--------|--------|
| 11) Tert butyl alcohol         | 3.02  | 59   | 26503    | 12.798   | ug/l # | 77     |
| 13) Acrolein                   | 2.28  | 56   | 325      | 0.287    | ug/l # | 1      |
| 14) Allyl chloride             | 2.62  | 41   | 4242     | 0.320    | ug/l # | 26     |
| 16) Acetone                    | 2.45  | 43   | 8986457  | 2528.776 | ug/l   | 96     |
| 18) Methyl Acetate             | 2.61  | 43   | 12146    | 1.022    | ug/l # | 55     |
| 20) Methylene Chloride         | 2.85  | 84   | 4594     | 0.607    | ug/l # | 82     |
| 25) 2-Butanone                 | 4.70  | 43   | 8449100  | 1666.295 | ug/l   | 99     |
| 29) Tetrahydrofuran            | 5.15  | 42   | 6813595  | 1933.453 | ug/l   | 98     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 46407    | 4.940    | ug/l # | 48     |
| 37) Ethyl Acetate              | 4.70  | 43   | 8449100  | 803.168  | ug/l # | 67     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 65359    | 5.914    | ug/l # | 17     |
| 39) Methylcyclohexane          | 7.46  | 83   | 6065     | 0.497    | ug/l   | 88     |
| 40) Benzene                    | 6.15  | 78   | 7419     | 0.264    | ug/l # | 89     |
| 41) Methacrylonitrile          | 5.15  | 41   | 3732513  | 644.816  | ug/l # | 42     |
| 49) 1,4-Dioxane                | 7.77  | 88   | 367      | 1.745    | ug/l # | 58     |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 15812    | 1.549    | ug/l   | 98     |
| 52) Toluene                    | 8.79  | 92   | 39262    | 2.121    | ug/l   | 97     |
| 67) Ethyl Benzene              | 10.25 | 91   | 47776    | 1.349    | ug/l   | 97     |
| 68) m/p-Xylenes                | 10.36 | 106  | 111635   | 7.869    | ug/l   | 99     |
| 69) o-Xylene                   | 10.70 | 106  | 65145    | 4.649    | ug/l   | 98     |
| 70) Styrene                    | 10.71 | 104  | 6220     | 0.274    | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.02 | 105  | 17798    | 0.507    | ug/l   | 97     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 217927   | 22.224   | ug/l # | 38     |
| 78) n-propylbenzene            | 11.36 | 91   | 40319    | 1.034    | ug/l   | 98     |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 31718    | 1.368    | ug/l # | 39     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 110633   | 3.790    | ug/l   | 98     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 217927   | 52.152   | ug/l # | 15     |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 11373    | 0.422    | ug/l # | 44     |
| 83) tert-Butylbenzene          | 11.80 | 119  | 49717    | 1.596    | ug/l # | 53     |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 419653   | 13.922   | ug/l   | 99     |
| 85) sec-Butylbenzene           | 11.94 | 105  | 21736    | 0.613    | ug/l   | 88     |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 19932    | 0.625    | ug/l   | 86     |
| 89) n-Butylbenzene             | 12.37 | 91   | 42331    | 1.555    | ug/l # | 11     |
| 90) Hexachloroethane           | 12.58 | 117  | 11417    | 1.756    | ug/l # | 5      |

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Sample : J6350-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SV-27781L

Quant Time: Dec 13 06:09:34 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 30 03:55:33 2018  
Response via : Initial Calibration

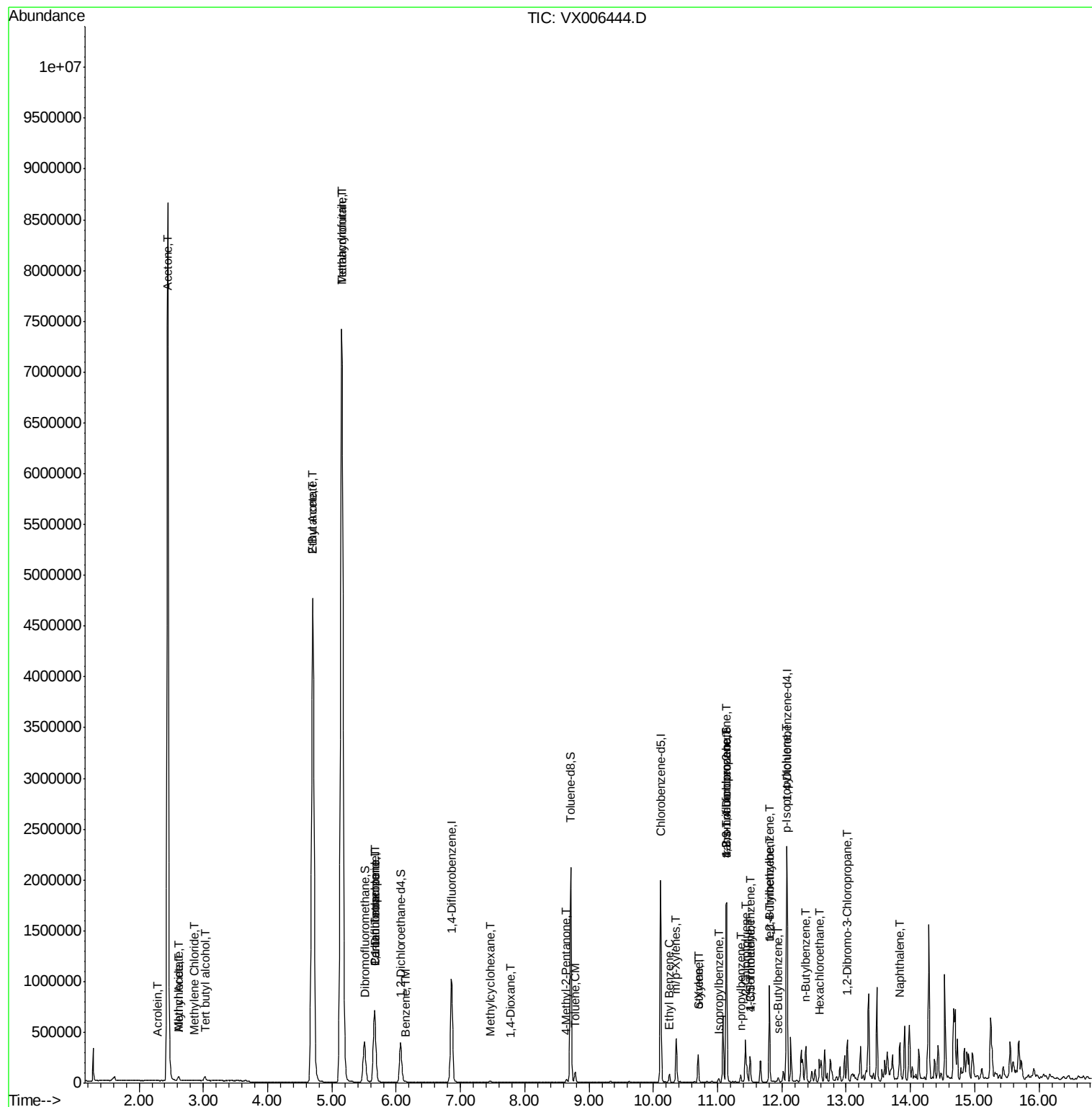
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 92) 1,2-Dibromo-3-Chloropropan | 13.02 | 75   | 1441     | 0.501 | ug/l # | 1        |
| 95) Naphthalene                | 13.83 | 128  | 248708   | 6.374 | ug/l   | 99       |

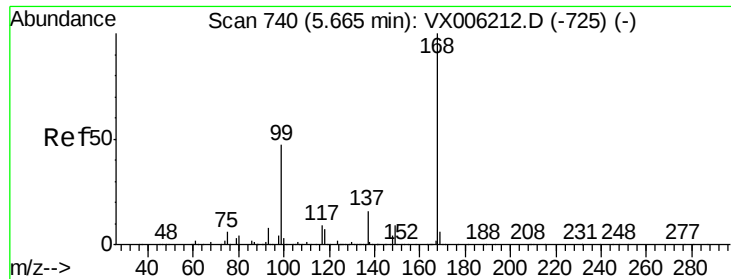
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Nov 30 03:55:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

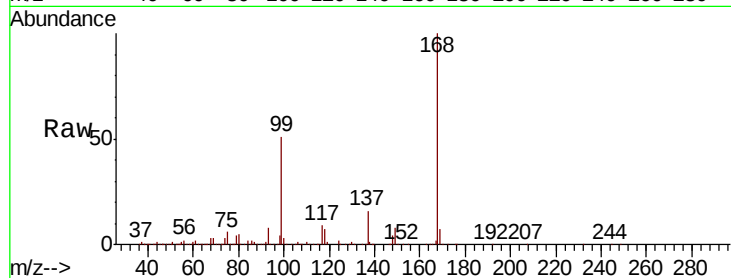
SV-27781L

Tot Ion:168 Resp: 741782

Ion Ratio Lower Upper

168 100

99 50.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

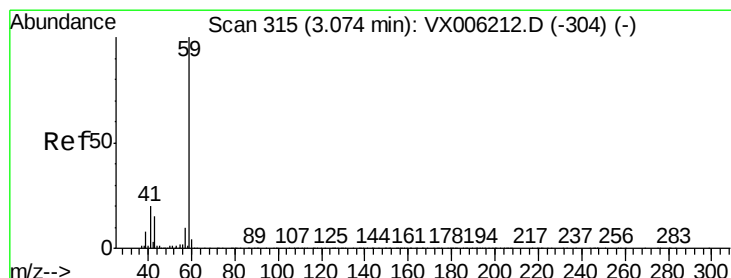
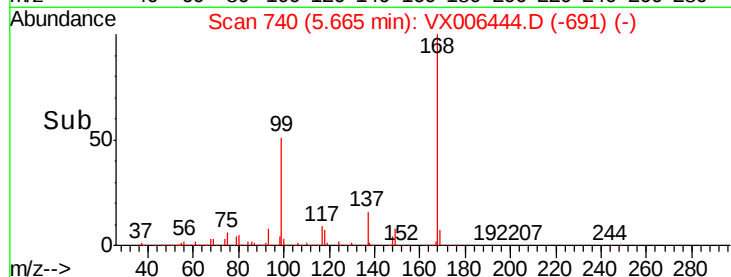
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 12.798 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006444.D

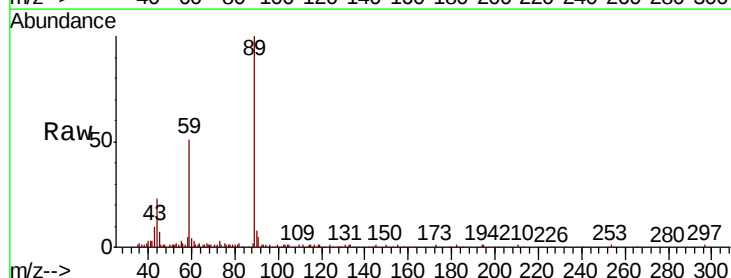
Acq: 12 Dec 2018 14:53

Tgt Ion: 59 Resp: 26503

Ion Ratio Lower Upper

59 100

57 1.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

10000

8000

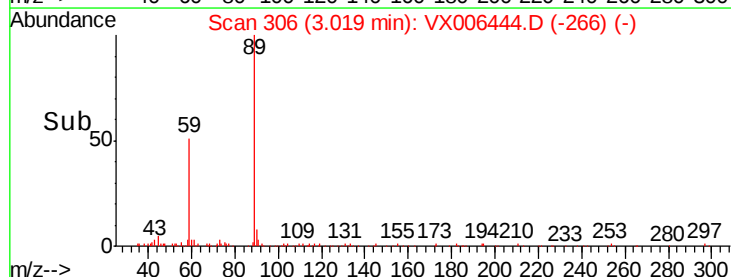
6000

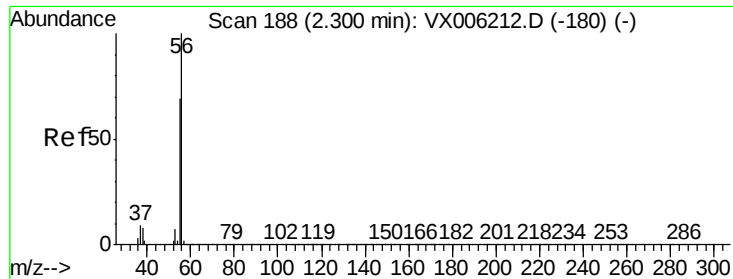
4000

2000

0

Time--> 2.90 3.00 3.10





#13

Acrolein

Concen: 0.287 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.02 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampled :

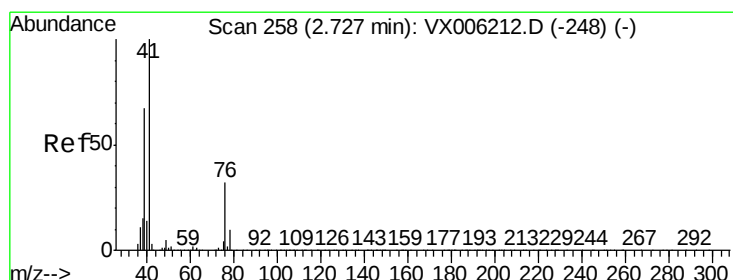
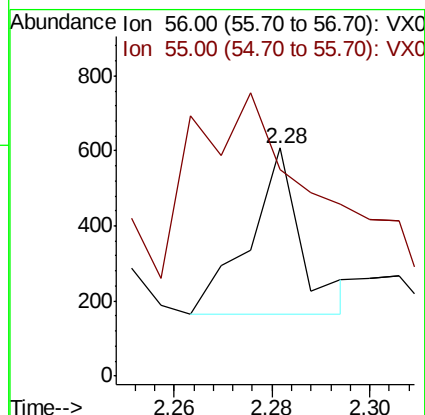
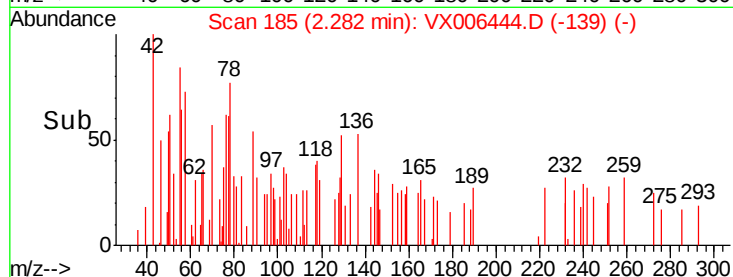
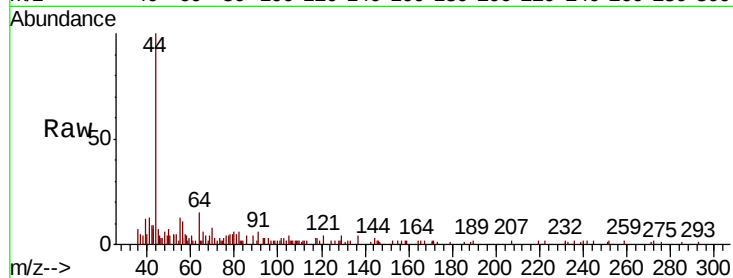
SV-27781L

Tot Ion: 56 Resp: 325

Ion Ratio Lower Upper

56 100

55 368.6 57.8 86.6#



#14

Allyl chloride

Concen: 0.320 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.11 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

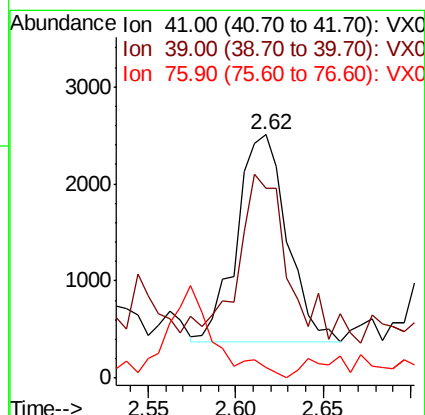
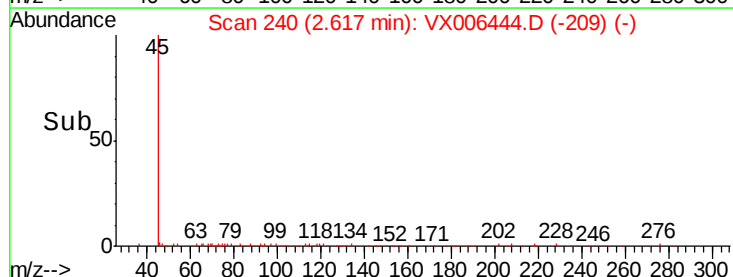
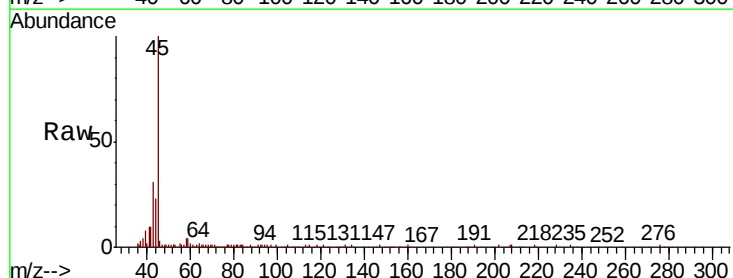
Tgt Ion: 41 Resp: 4242

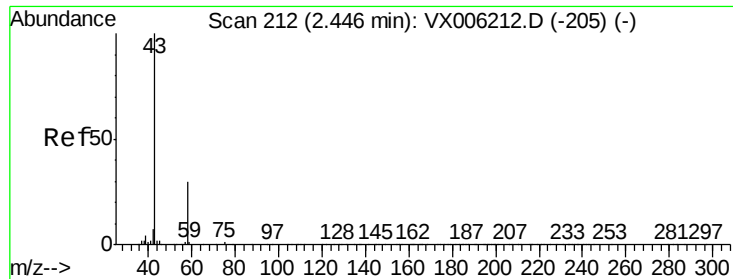
Ion Ratio Lower Upper

41 100

39 0.0 52.4 78.6#

76 0.0 25.4 38.0#

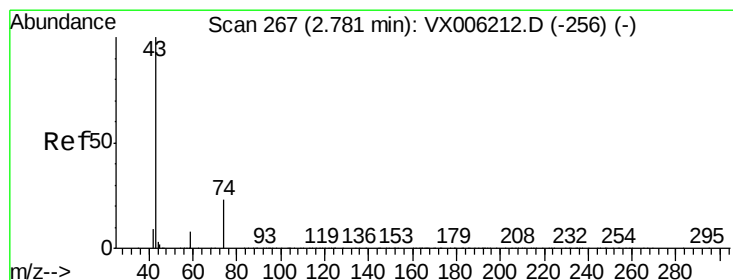
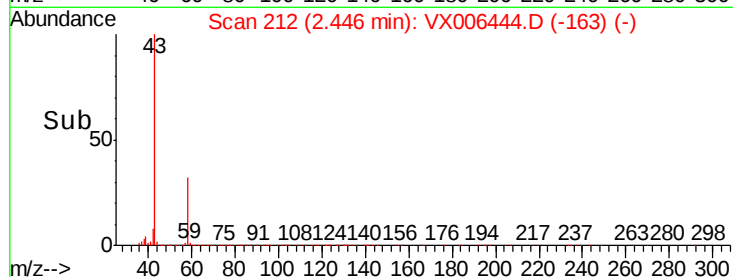
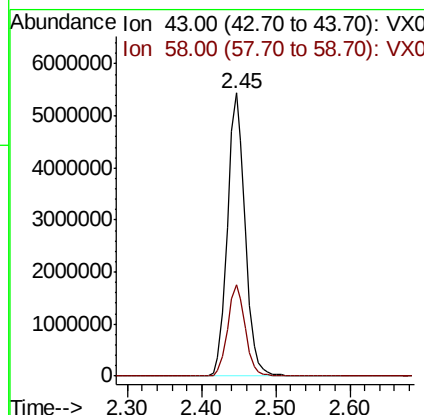
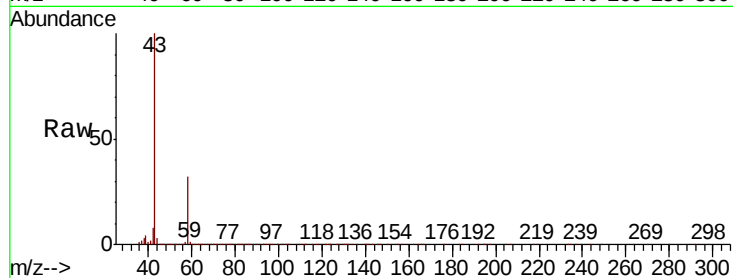




#16  
Acetone  
Concen: 2528.776 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX006444.D  
Acq: 12 Dec 2018 14:53

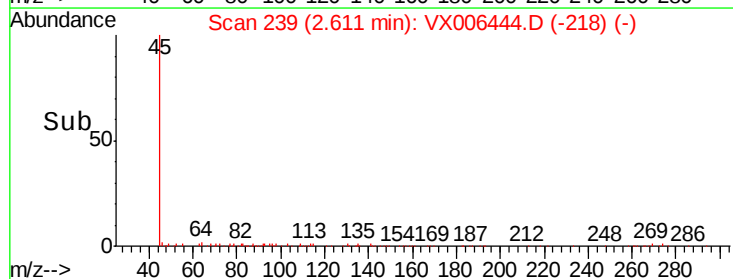
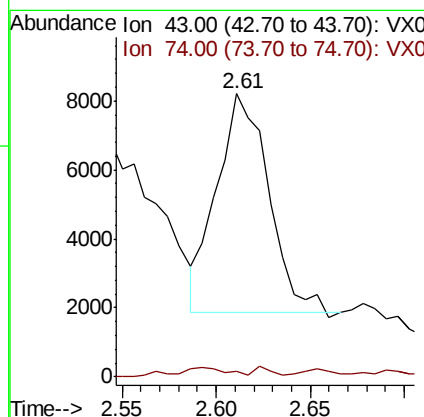
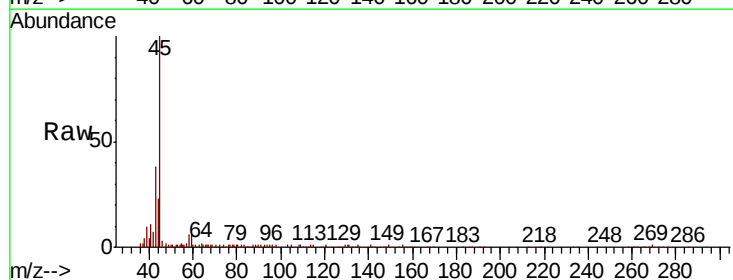
Instrument :  
MSVOA\_X  
ClientSampleId :  
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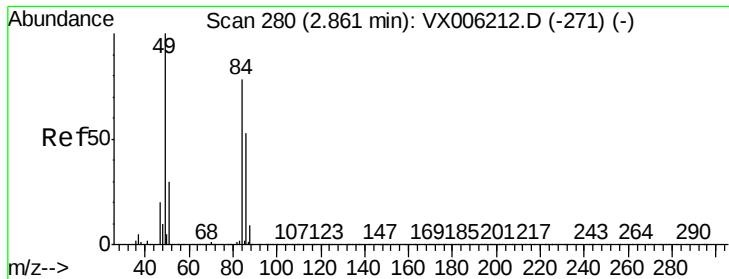
Tot Ion: 43 Resp: 8986457  
Ion Ratio Lower Upper  
43 100  
58 32.2 24.0 36.0



#18  
Methyl Acetate  
Concen: 1.022 ug/l  
RT: 2.61 min Scan# 239  
Delta R.T. -0.17 min  
Lab File: VX006444.D  
Acq: 12 Dec 2018 14:53

Tgt Ion: 43 Resp: 12146  
Ion Ratio Lower Upper  
43 100  
74 1.0 17.9 26.9#





#20

Methylene Chloride

Concen: 0.607 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

SV-27781L

Tot Ion: 84 Resp: 4594

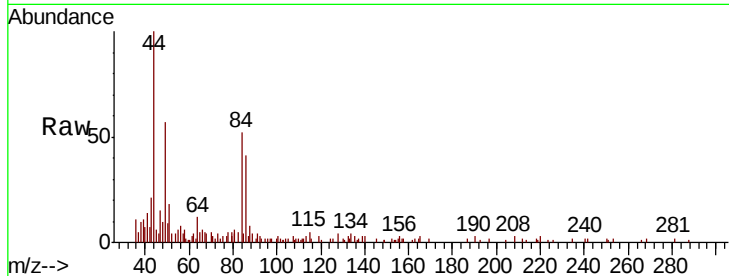
Ion Ratio Lower Upper

84 100

49 107.6 102.2 153.4

51 23.6 31.1 46.7#

86 77.8 53.7 80.5

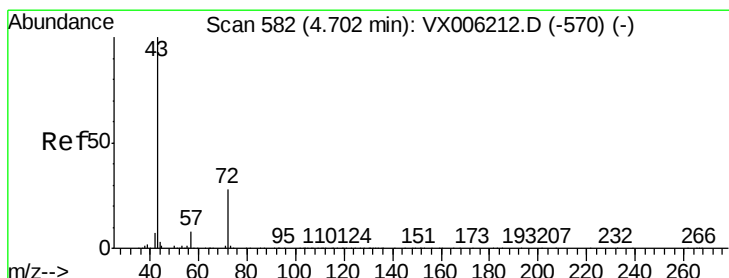
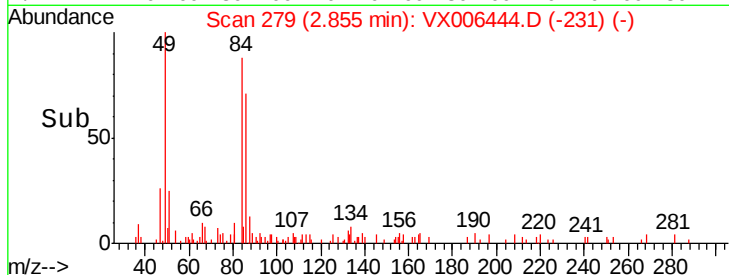
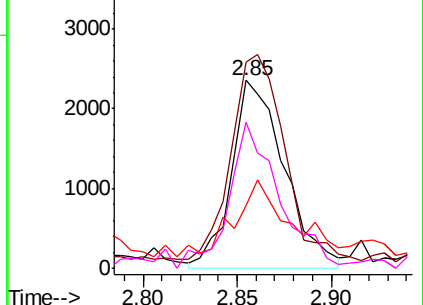


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1666.295 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006444.D

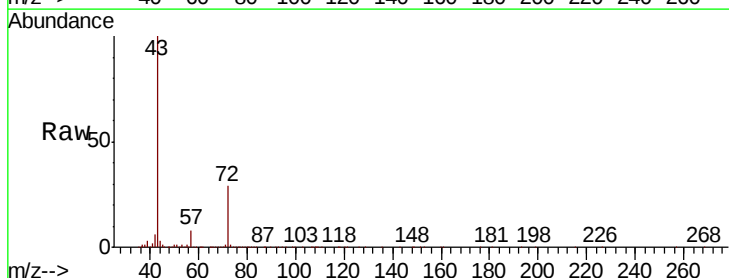
Acq: 12 Dec 2018 14:53

Tgt Ion: 43 Resp: 8449100

Ion Ratio Lower Upper

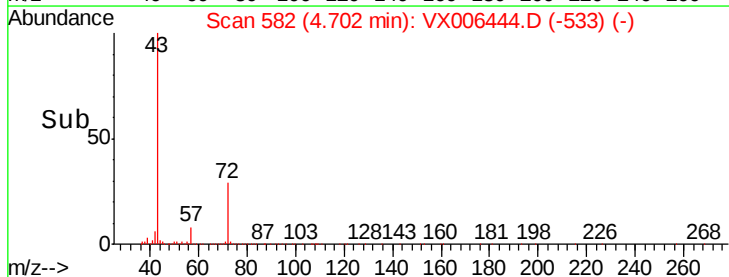
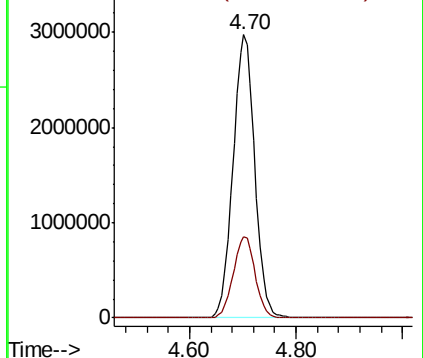
43 100

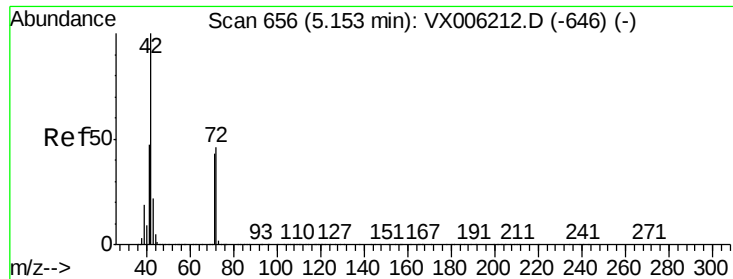
72 28.8 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1933.453 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

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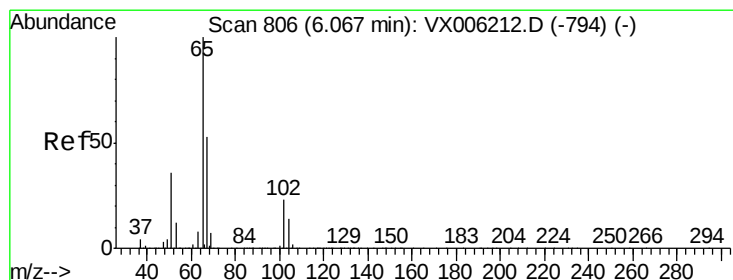
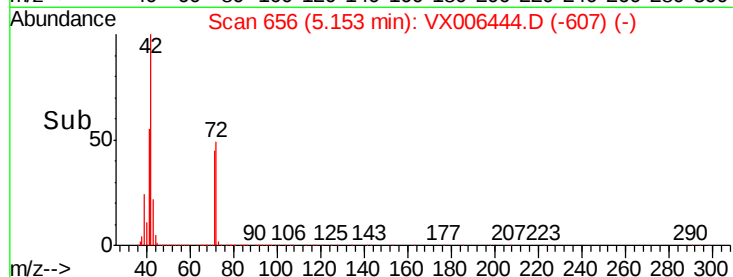
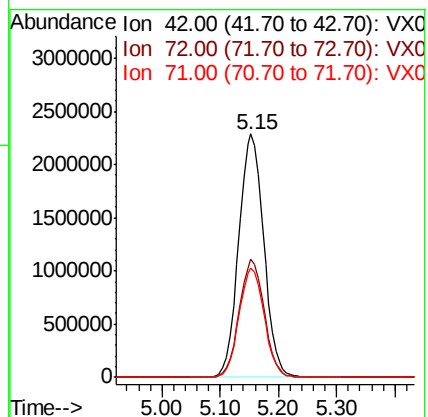
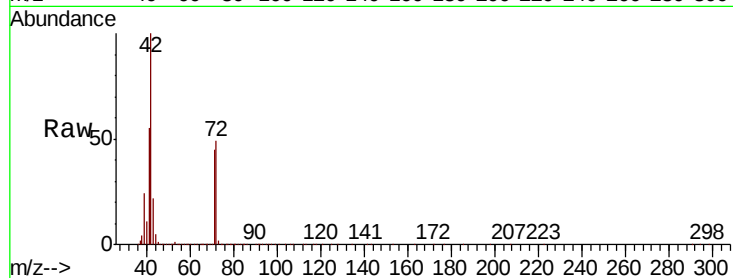
Tot Ion: 42 Resp: 6813595

Ion Ratio Lower Upper

42 100

72 48.3 37.8 56.8

71 45.2 35.2 52.8



#33

1,2-Dichloroethane-d4

Concen: 47.616 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006444.D

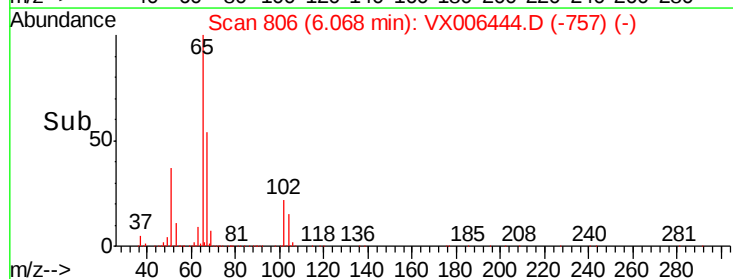
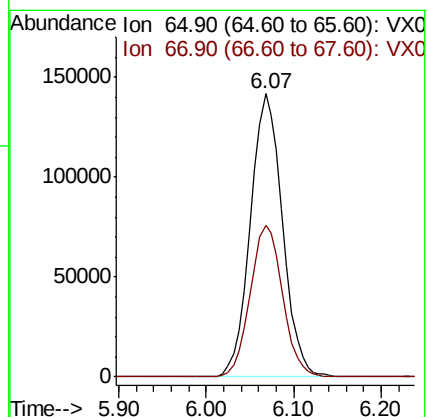
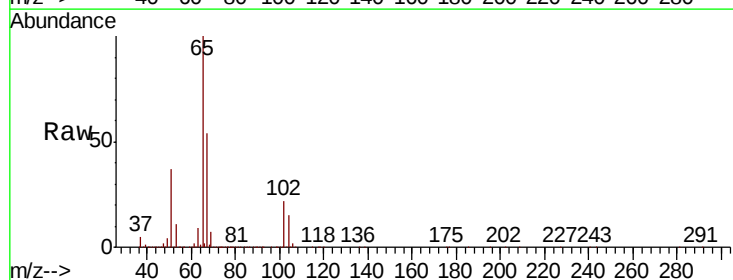
Acq: 12 Dec 2018 14:53

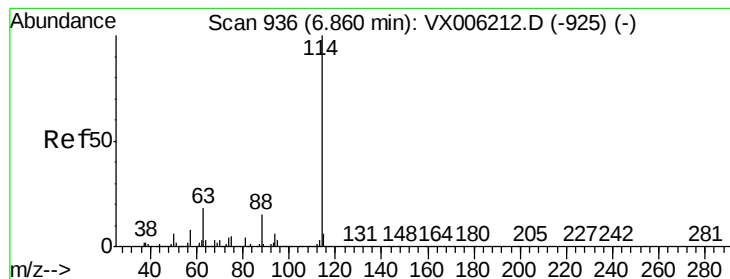
Tgt Ion: 65 Resp: 360568

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

SV-27781L

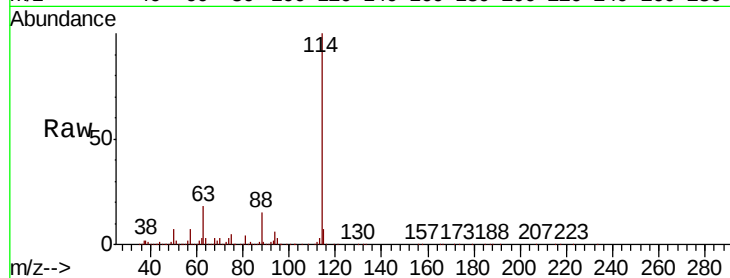
Tot Ion:114 Resp: 1115505

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.6

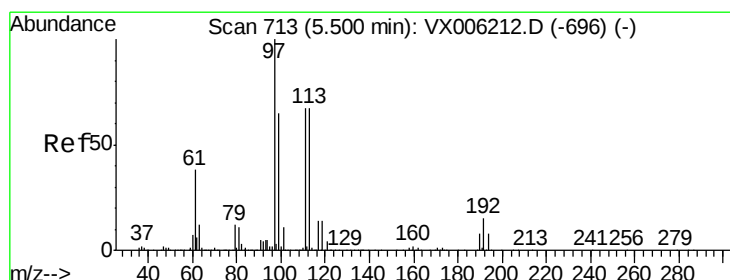
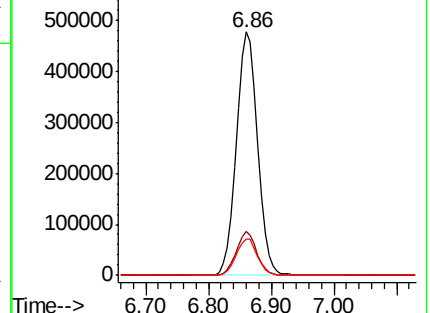
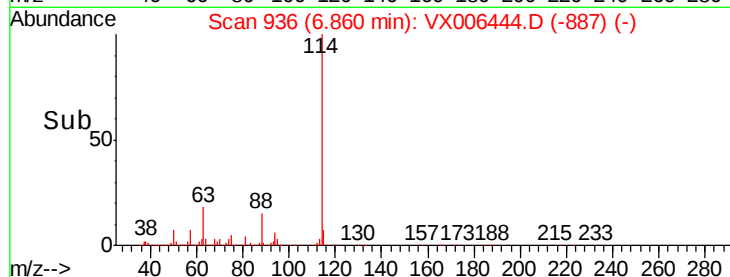
88 14.9 0.0 29.0



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: 46.788 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

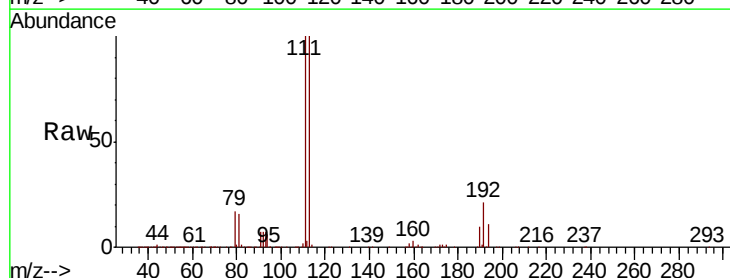
Tgt Ion:113 Resp: 337921

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

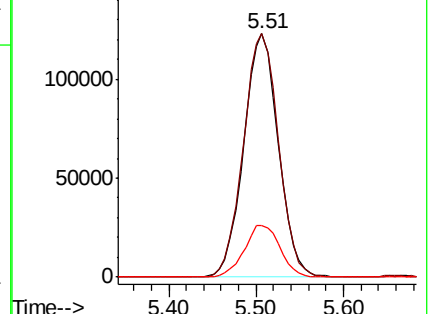
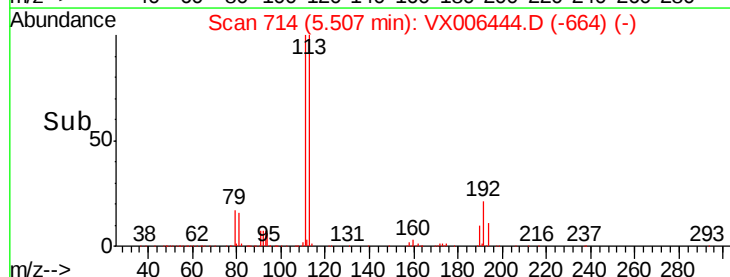
192 22.1 18.2 27.2

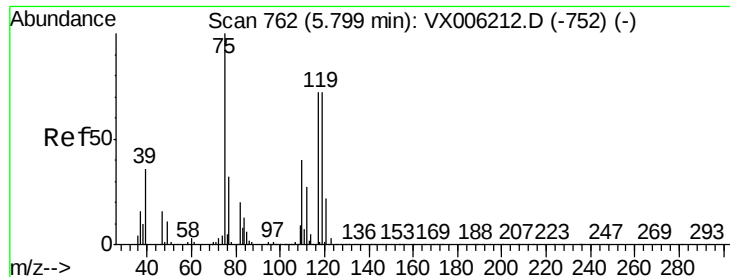


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

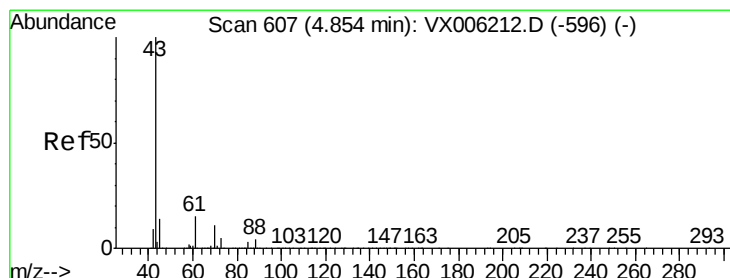
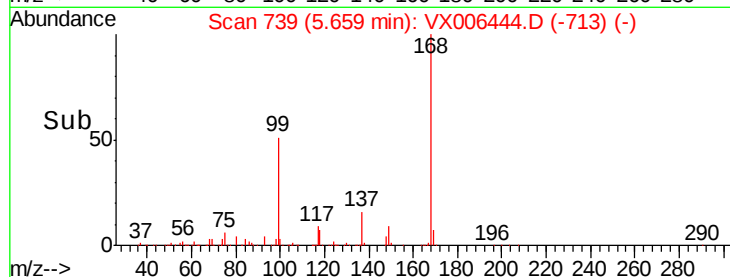
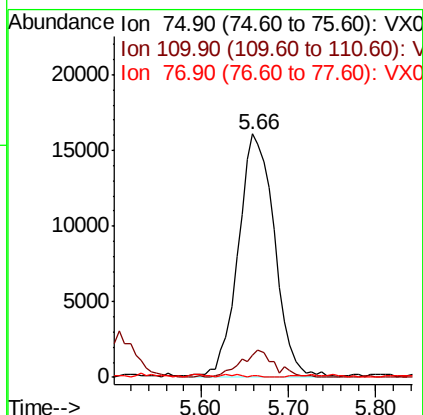
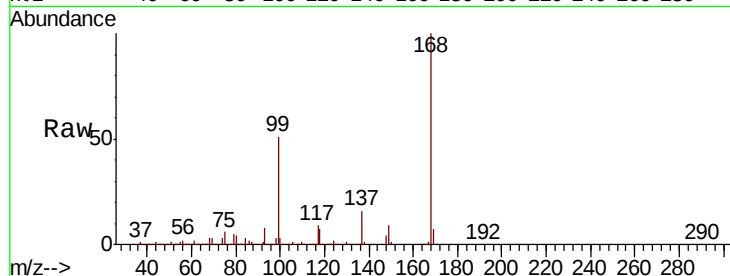




#36  
 1,1-Dichloropropene  
 Concen: 4.940 ug/l  
 RT: 5.66 min Scan# 739  
 Delta R.T. -0.14 min  
 Lab File: VX006444.D  
 Acq: 12 Dec 2018 14:53

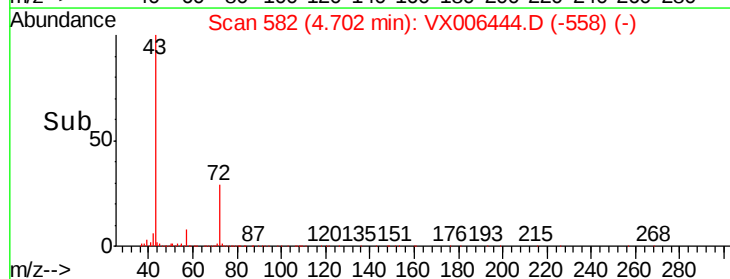
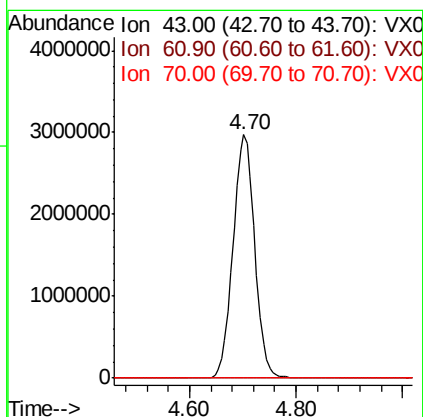
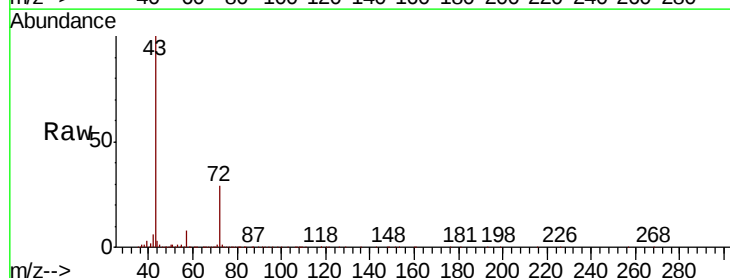
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SV-27781L

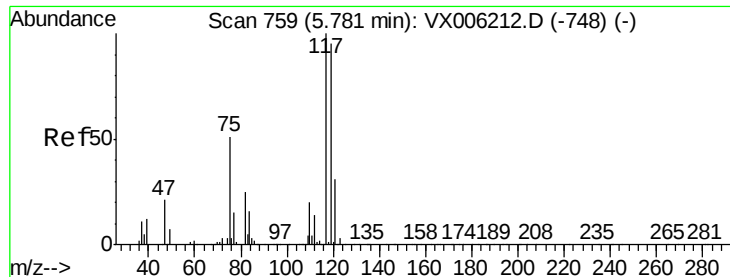
Tot Ion: 75 Resp: 46407  
 Ion Ratio Lower Upper  
 75 100  
 110 10.5 20.4 61.3#  
 77 0.3 24.9 37.3#



#37  
 Ethyl Acetate  
 Concen: 803.168 ug/l  
 RT: 4.70 min Scan# 582  
 Delta R.T. -0.15 min  
 Lab File: VX006444.D  
 Acq: 12 Dec 2018 14:53

Tgt Ion: 43 Resp: 8449100  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 11.5 17.3#  
 70 0.0 9.0 13.6#





#38

Carbon Tetrachloride

Concen: 5.914 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampled :

SV-27781L

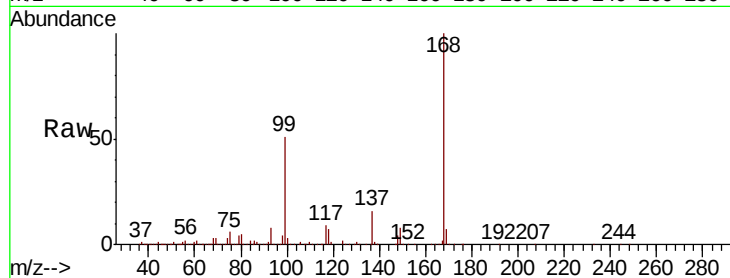
Tot Ion:117 Resp: 65359

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.8#

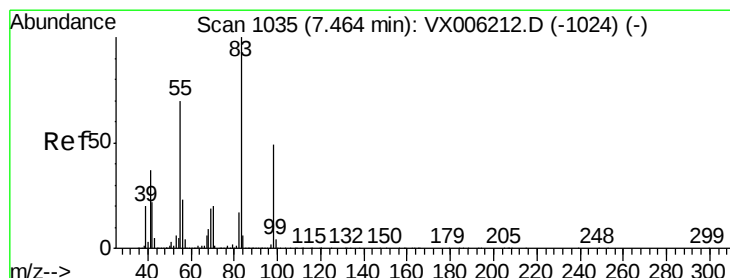
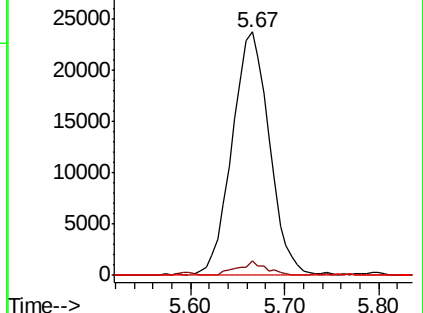
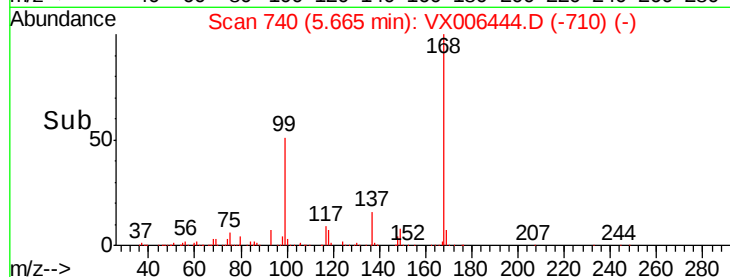
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.497 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

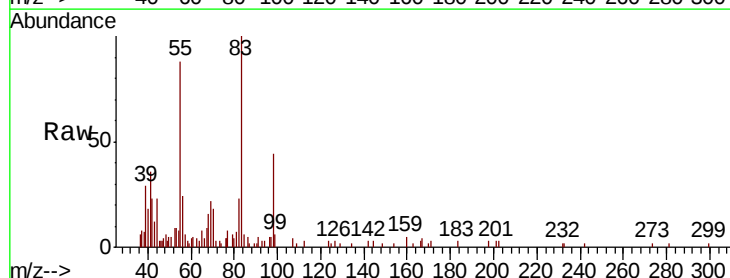
Tgt Ion: 83 Resp: 6065

Ion Ratio Lower Upper

83 100

55 83.4 56.4 84.6

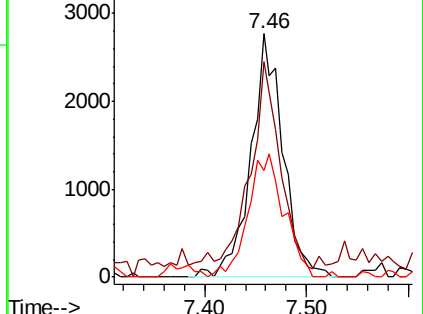
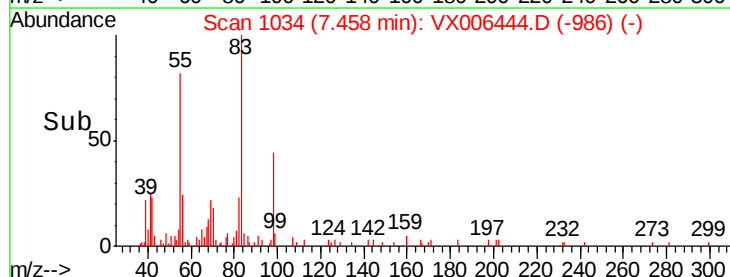
98 43.6 39.0 58.6

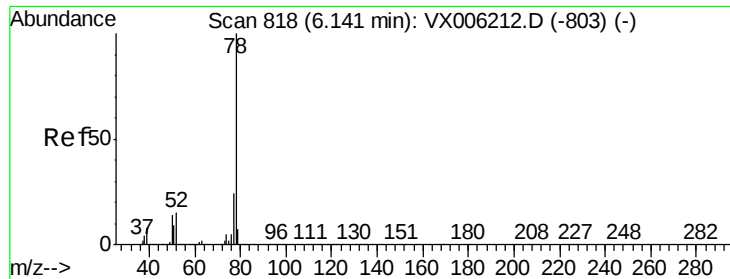


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.264 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

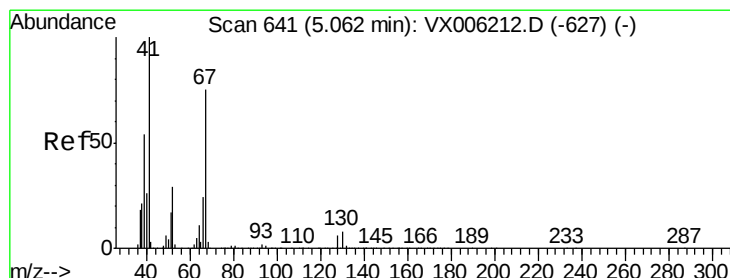
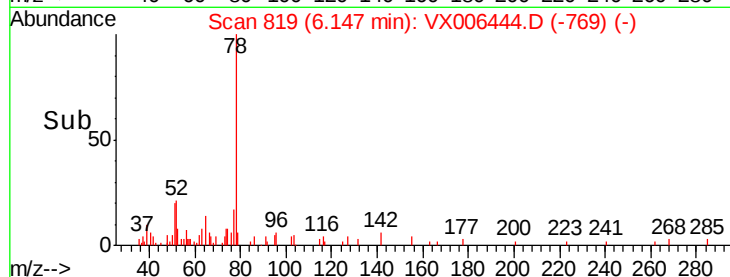
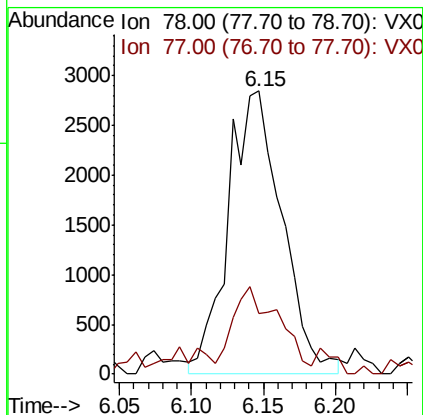
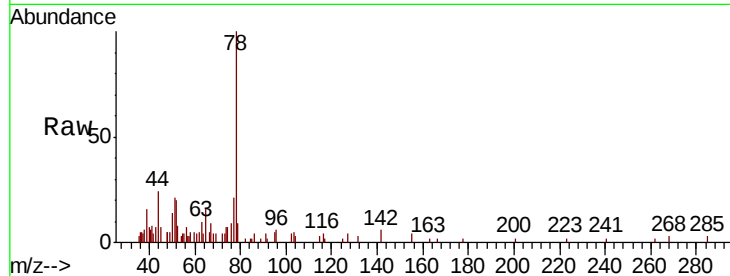
SV-27781L

Tot Ion: 78 Resp: 7419

Ion Ratio Lower Upper

78 100

77 18.5 19.2 28.8#



#41

Methacrylonitrile

Concen: 644.816 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.09 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Tgt Ion: 41 Resp: 3732513

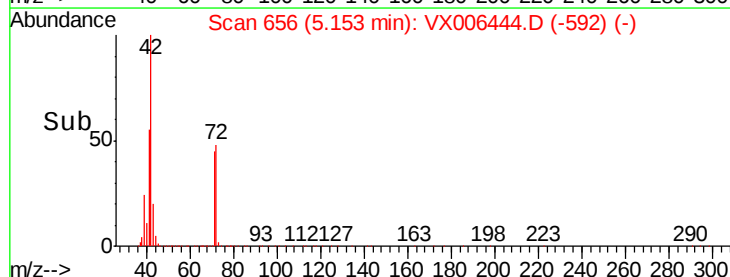
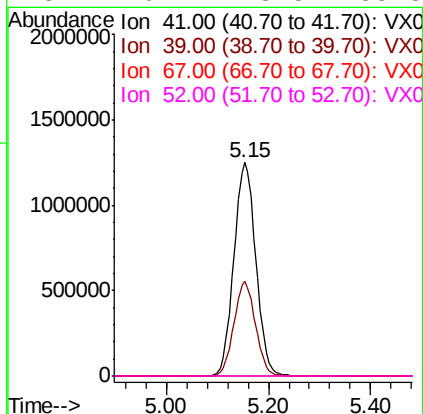
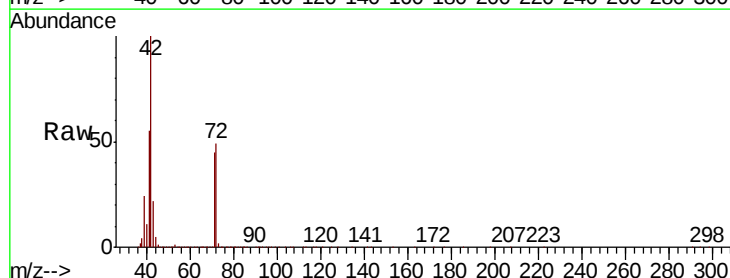
Ion Ratio Lower Upper

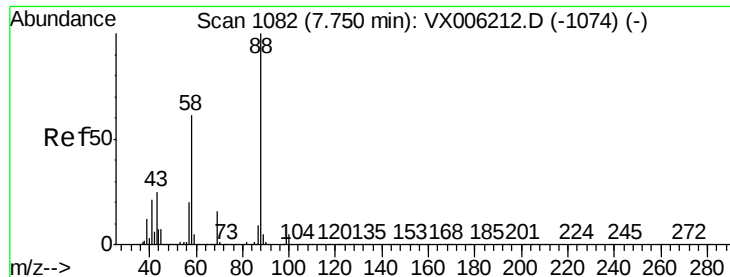
41 100

39 43.5 44.0 66.0#

67 0.0 61.4 92.0#

52 0.1 23.5 35.3#





#49

1,4-Dioxane

Concen: 1.745 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

SV-27781L

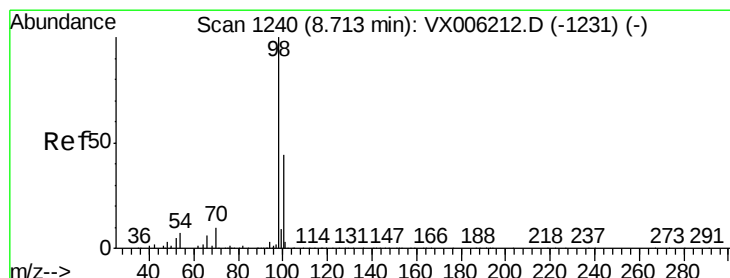
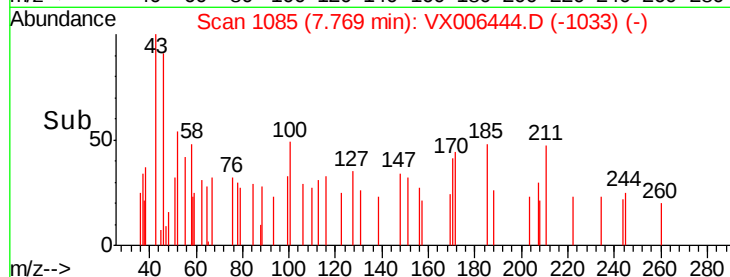
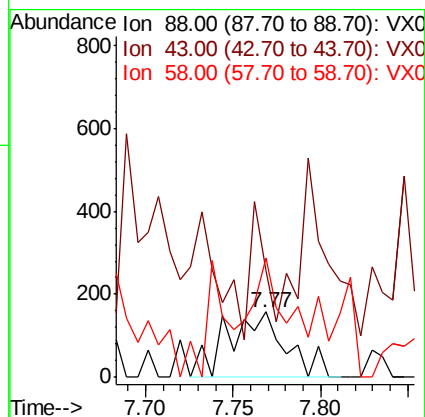
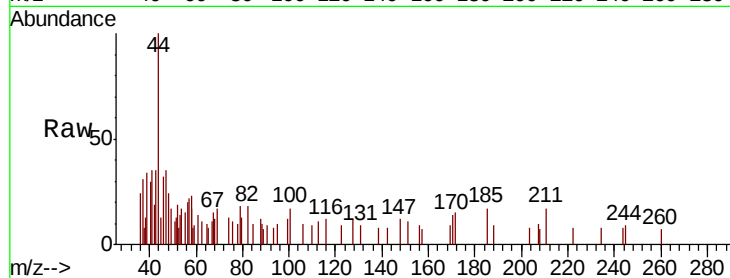
Tot Ion: 88 Resp: 367

Ion Ratio Lower Upper

88 100

43 53.7 23.2 34.8#

58 32.7 51.4 77.0#



#50

Toluene-d8

Concen: 49.273 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006444.D

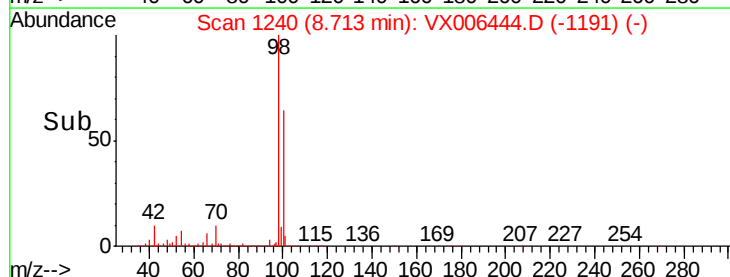
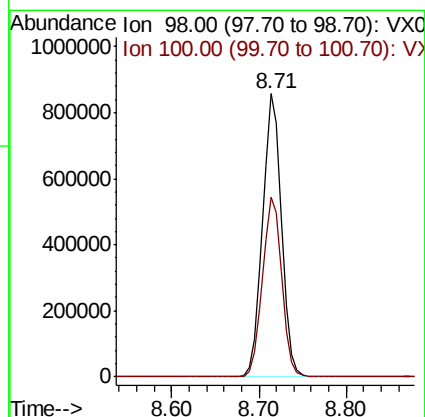
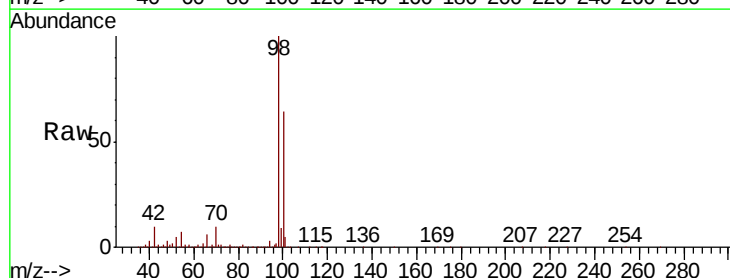
Acq: 12 Dec 2018 14:53

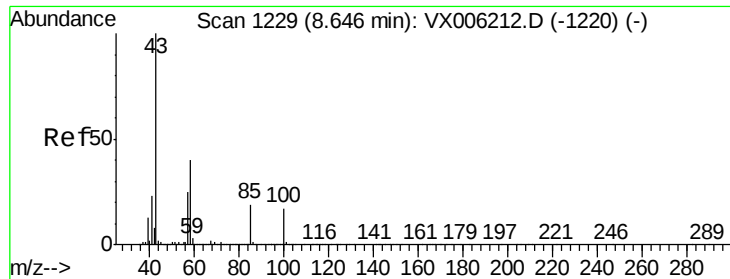
Tgt Ion: 98 Resp: 1294456

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.549 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampled :

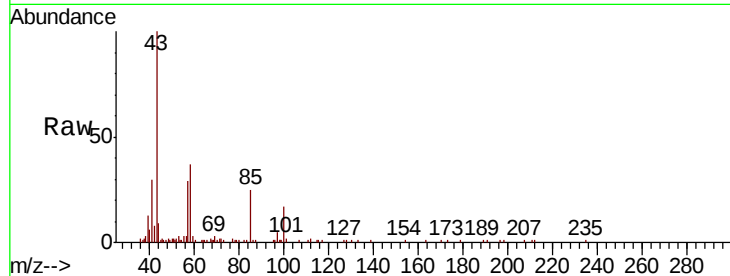
SV-27781L

Tot Ion: 43 Resp: 15812

Ion Ratio Lower Upper

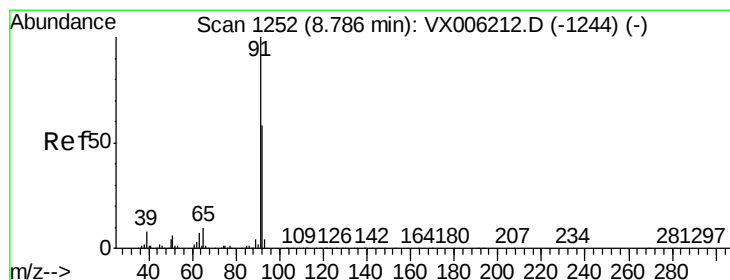
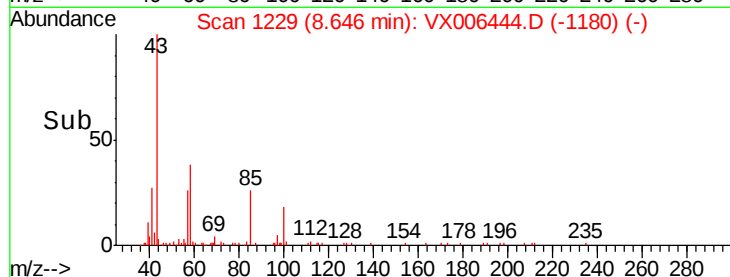
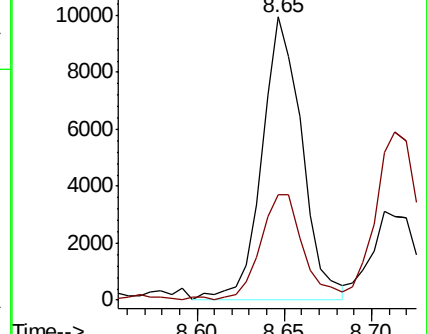
43 100

58 40.1 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 2.121 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006444.D

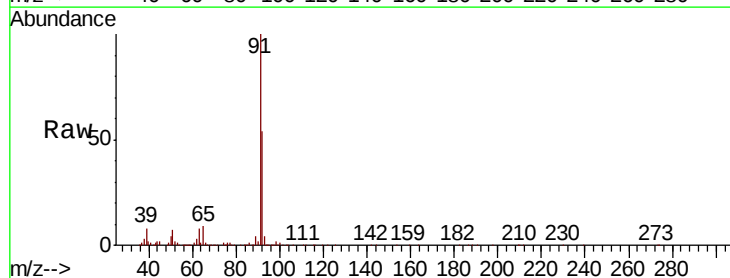
Acq: 12 Dec 2018 14:53

Tgt Ion: 92 Resp: 39262

Ion Ratio Lower Upper

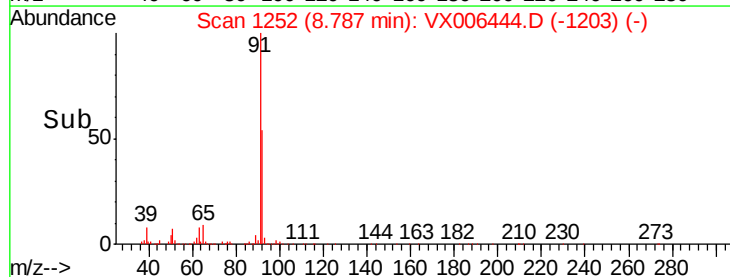
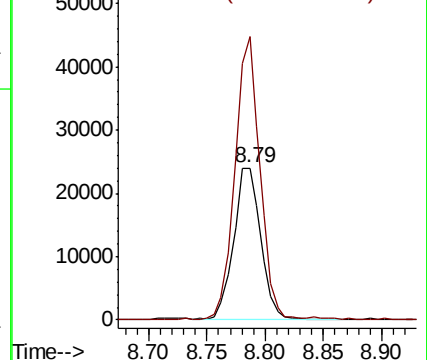
92 100

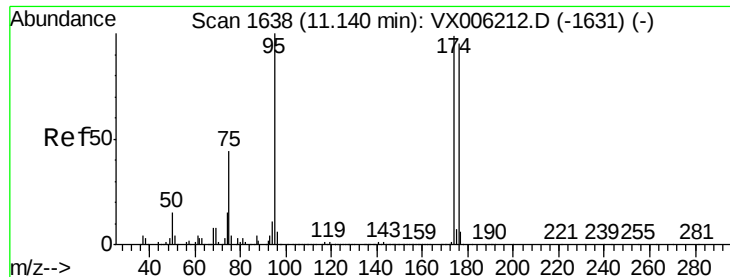
91 170.2 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.884 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

SV-27781L

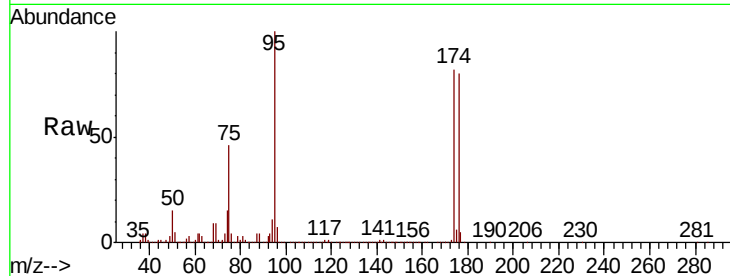
Tot Ion: 95 Resp: 483933

Ion Ratio Lower Upper

95 100

174 88.8 0.0 187.0

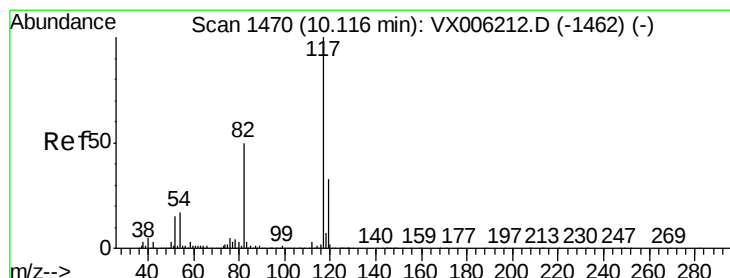
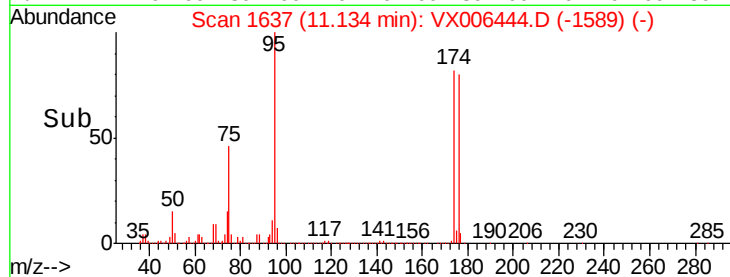
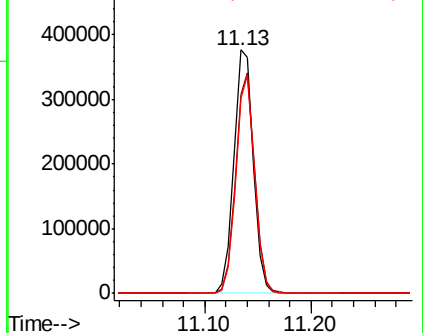
176 86.2 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

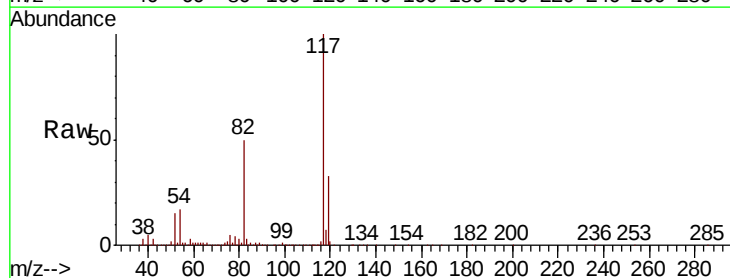
Tgt Ion: 117 Resp: 1003059

Ion Ratio Lower Upper

117 100

82 50.3 39.6 59.4

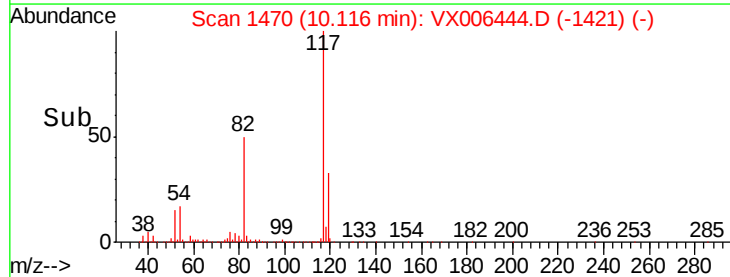
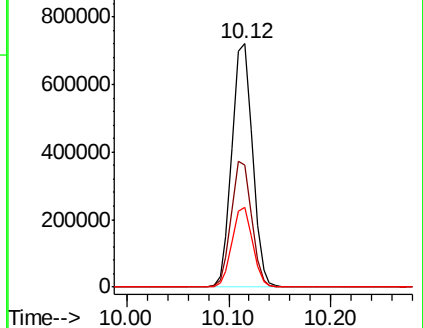
119 32.5 26.3 39.5

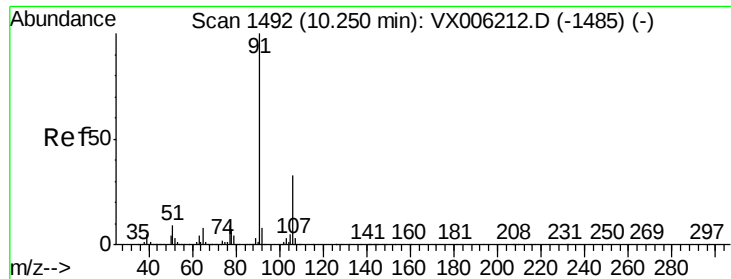


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

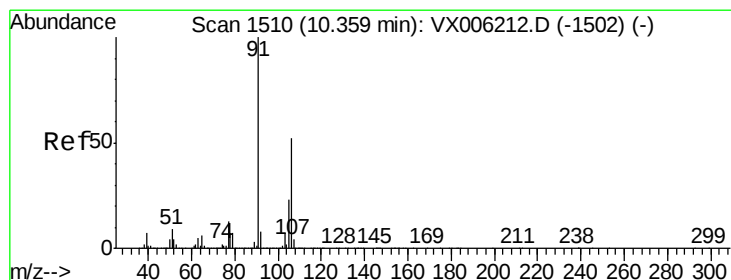
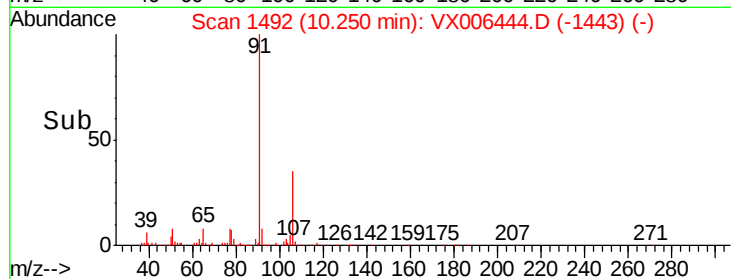
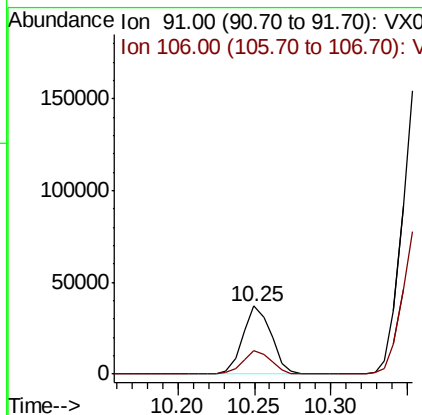
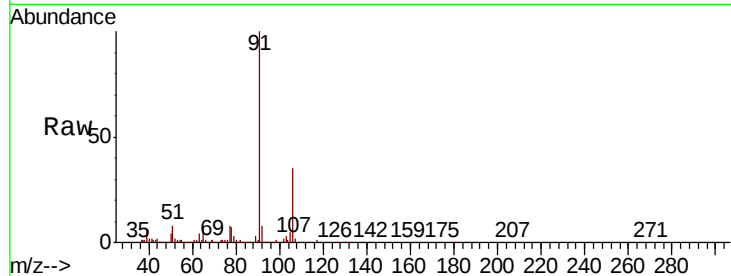




#67  
Ethyl Benzene  
Concen: 1.349 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX006444.D  
Acq: 12 Dec 2018 14:53

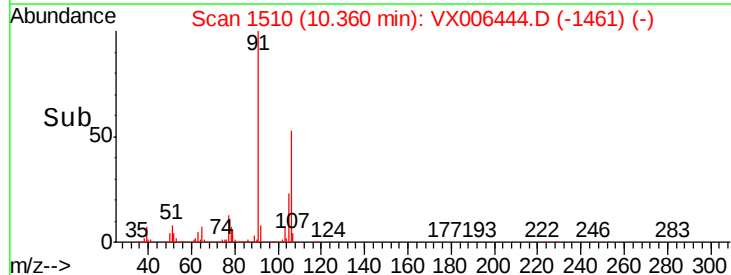
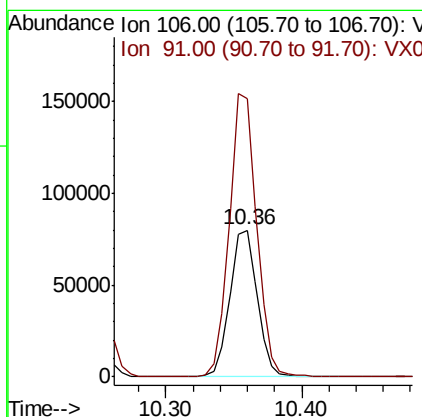
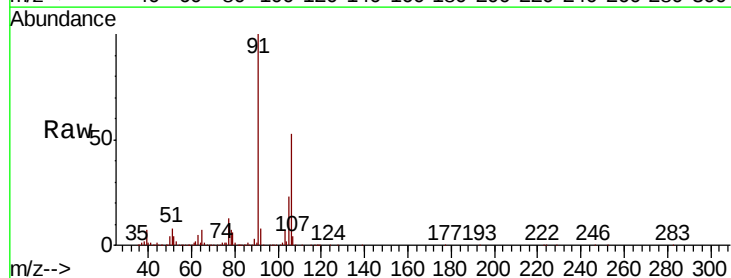
Instrument :  
MSVOA\_X  
ClientSampled :  
SV-27781L

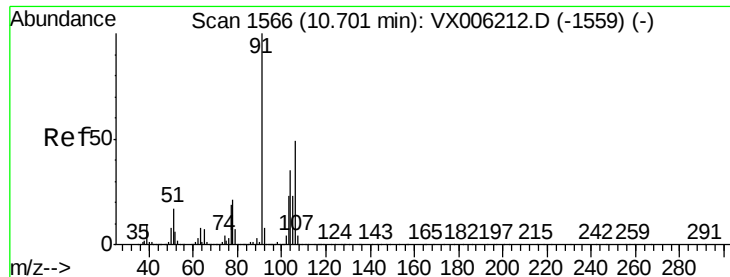
Tot Ion: 91 Resp: 47776  
Ion Ratio Lower Upper  
91 100  
106 34.6 26.5 39.7



#68  
m/p-Xylenes  
Concen: 7.869 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX006444.D  
Acq: 12 Dec 2018 14:53

Tgt Ion: 106 Resp: 111635  
Ion Ratio Lower Upper  
106 100  
91 192.3 155.2 232.8

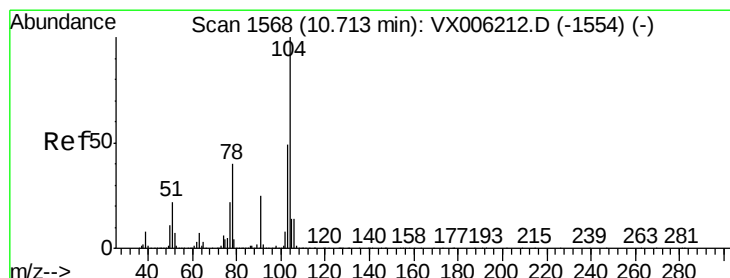
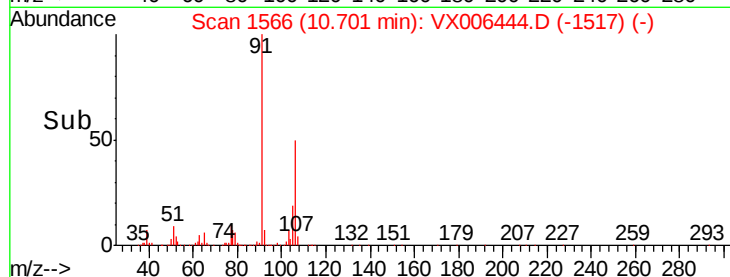
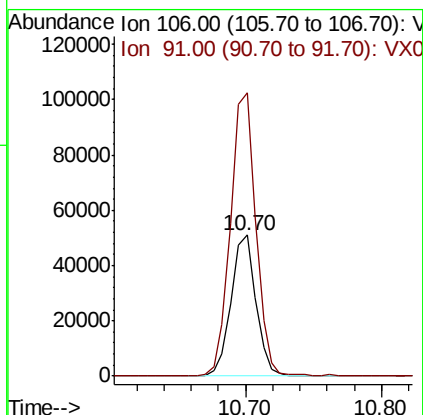
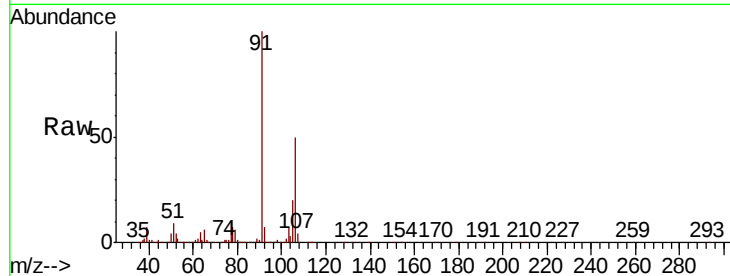




#69  
o-Xylene  
Concen: 4.649 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX006444.D  
Acq: 12 Dec 2018 14:53

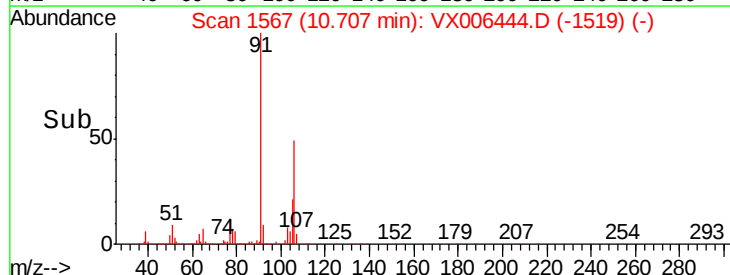
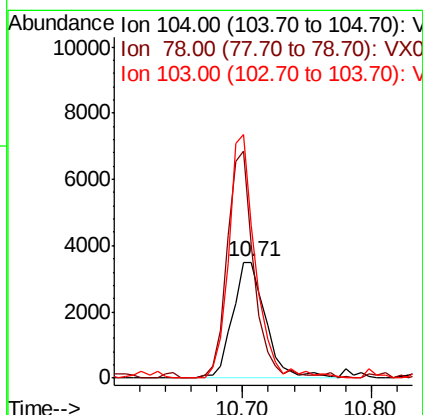
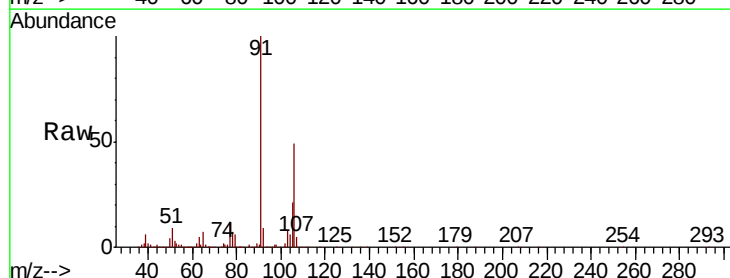
Instrument :  
MSVOA\_X  
ClientSampleId :  
SV-27781L

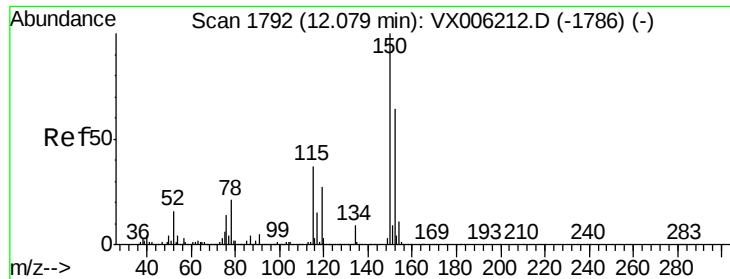
Tot Ion:106 Resp: 65145  
Ion Ratio Lower Upper  
106 100  
91 206.1 101.8 305.6



#70  
Styrene  
Concen: 0.274 ug/l  
RT: 10.71 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: VX006444.D  
Acq: 12 Dec 2018 14:53

Tgt Ion:104 Resp: 6220  
Ion Ratio Lower Upper  
104 100  
78 161.2 37.2 55.8#  
103 172.6 43.5 65.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

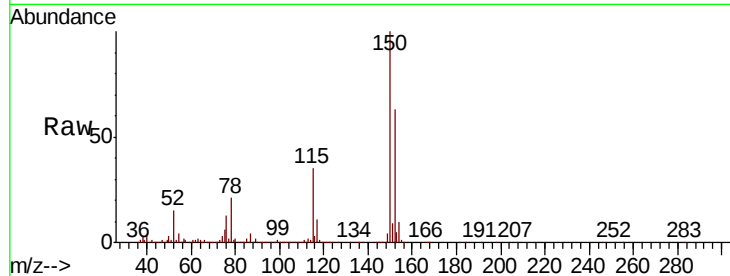
MSVOA\_X

ClientSampleId :

SV-27781L

Tot Ion:152 Resp: 508047

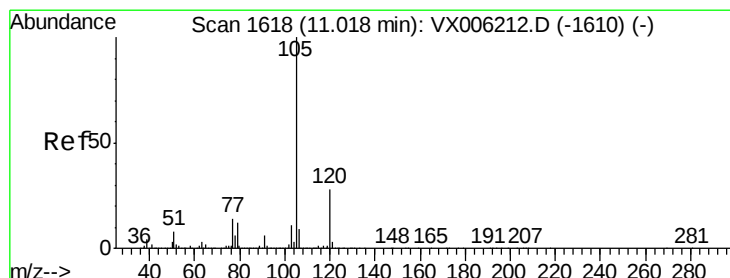
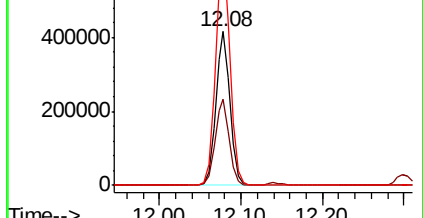
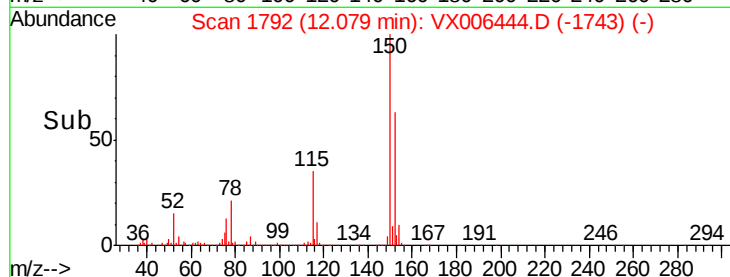
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 55.6  | 39.0  | 116.9 |
| 150 | 156.3 | 0.0   | 345.8 |



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: 0.507 ug/l

RT: 11.02 min Scan# 1618

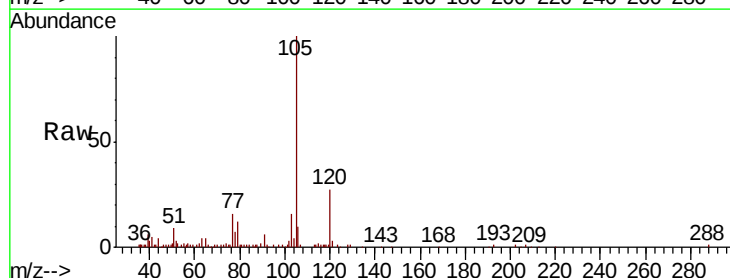
Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

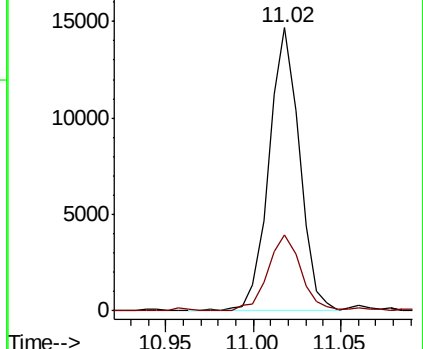
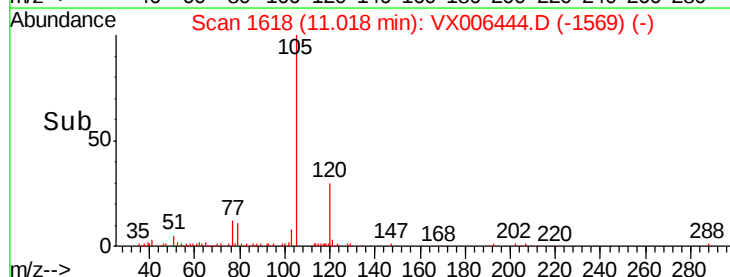
Tgt Ion:105 Resp: 17798

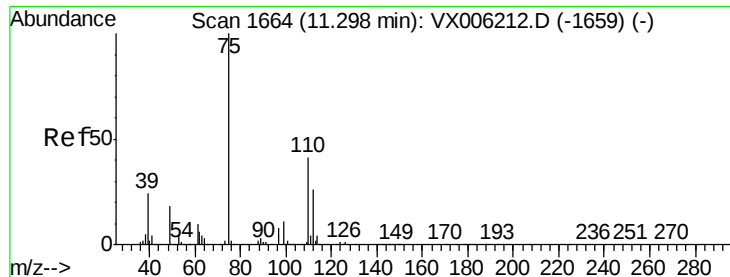
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 29.8  | 14.1  | 42.3  |



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 22.224 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

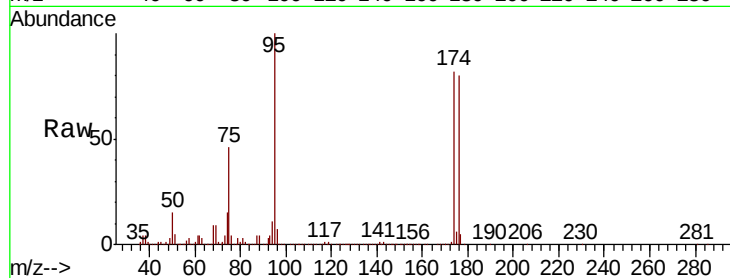
SV-27781L

Tot Ion: 75 Resp: 217927

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

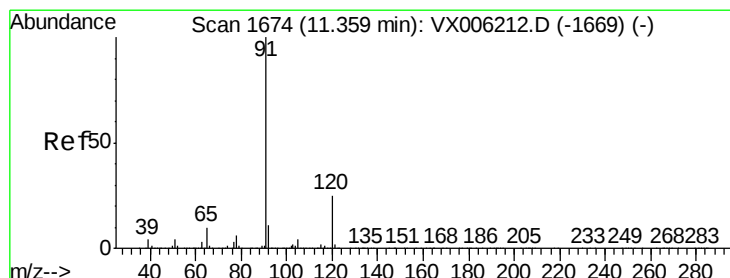
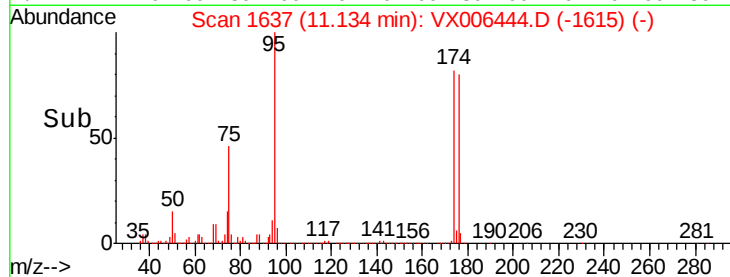
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 1.034 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006444.D

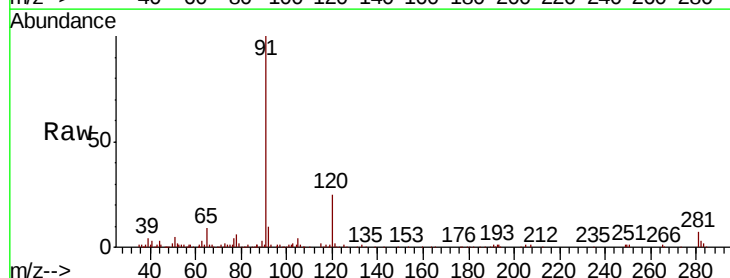
Acq: 12 Dec 2018 14:53

Tgt Ion: 91 Resp: 40319

Ion Ratio Lower Upper

91 100

120 24.5 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

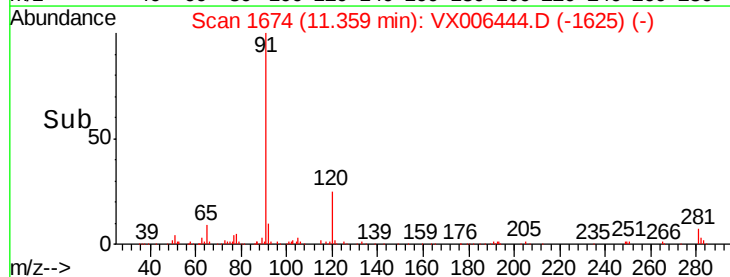
30000

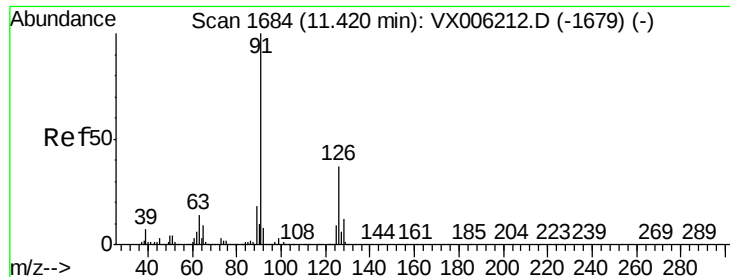
20000

10000

0

Time-->





#79

2-Chlorotoluene

Concen: 1.368 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampled :

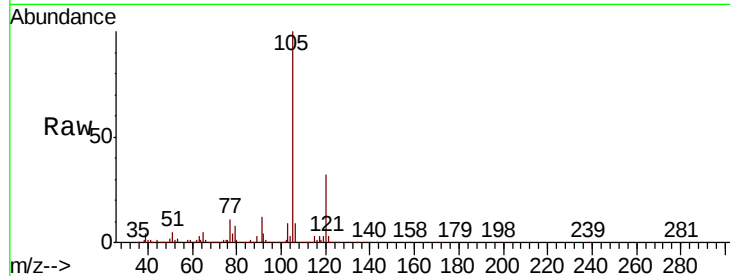
SV-27781L

Tot Ion: 91 Resp: 31718

Ion Ratio Lower Upper

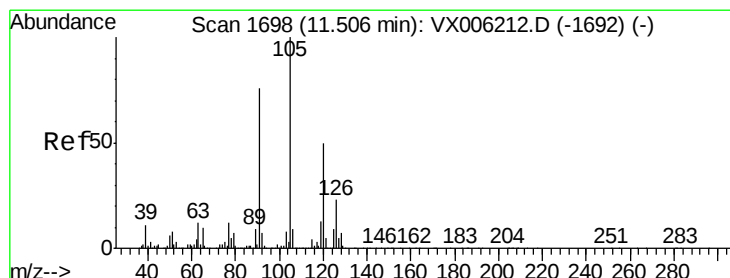
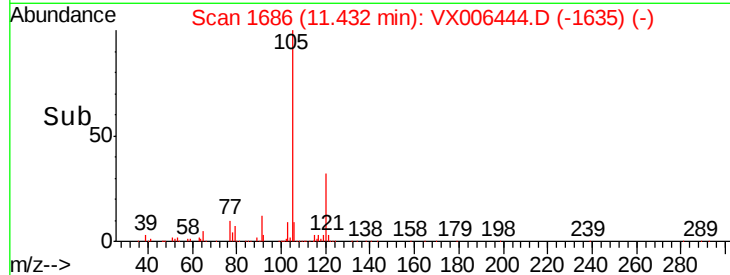
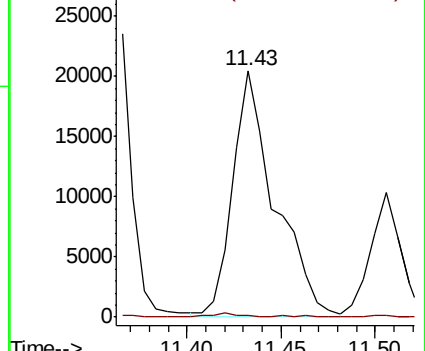
91 100

126 1.1 18.6 56.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 3.790 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006444.D

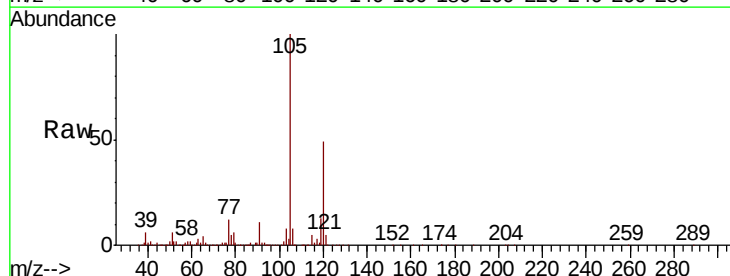
Acq: 12 Dec 2018 14:53

Tgt Ion:105 Resp: 110633

Ion Ratio Lower Upper

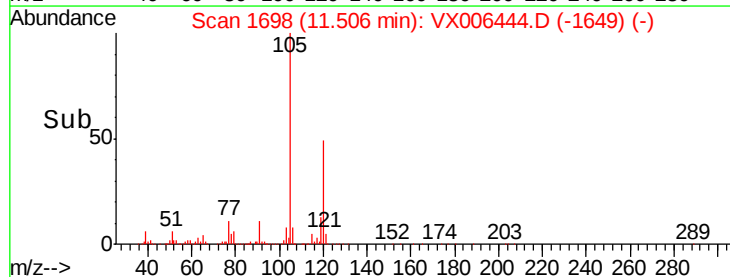
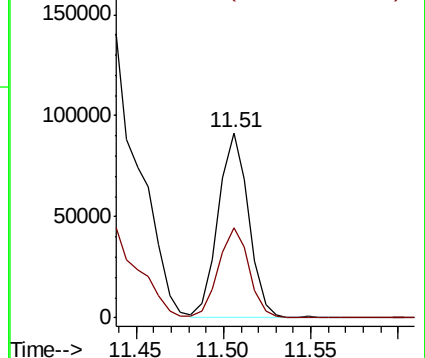
105 100

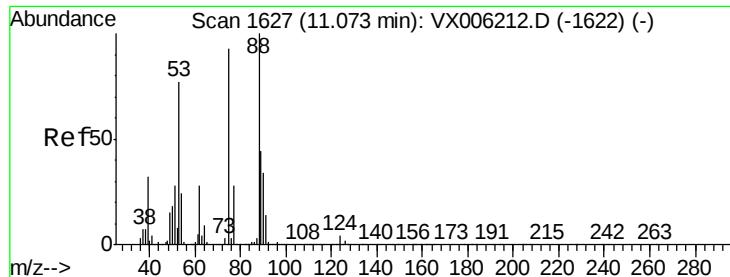
120 49.4 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.152 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

SV-27781L

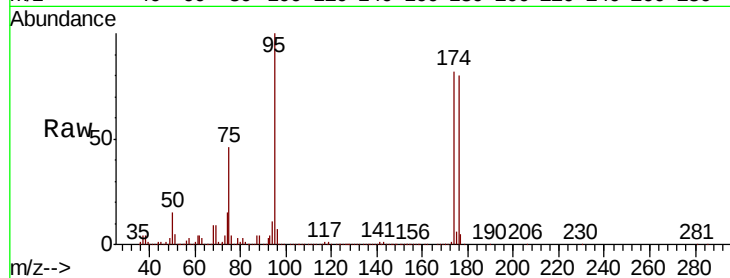
Tot Ion: 75 Resp: 217927

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

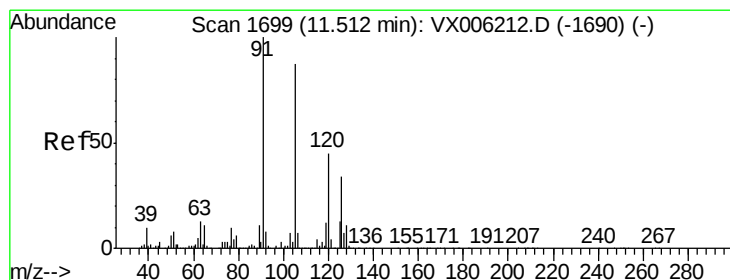
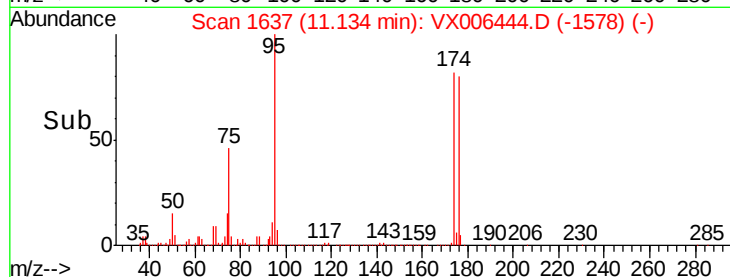
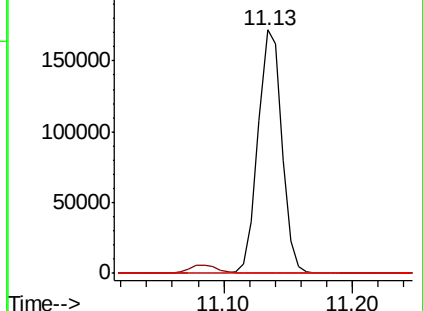
89 0.0 44.2 66.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.422 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX006444.D

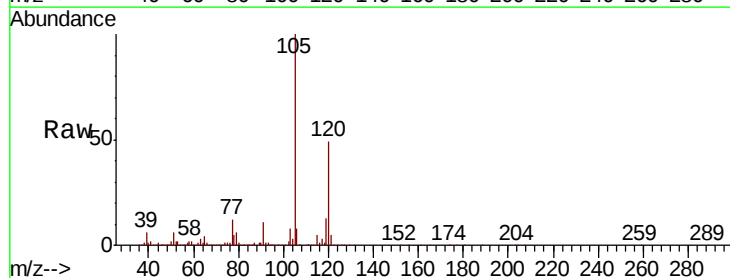
Acq: 12 Dec 2018 14:53

Tgt Ion: 91 Resp: 11373

Ion Ratio Lower Upper

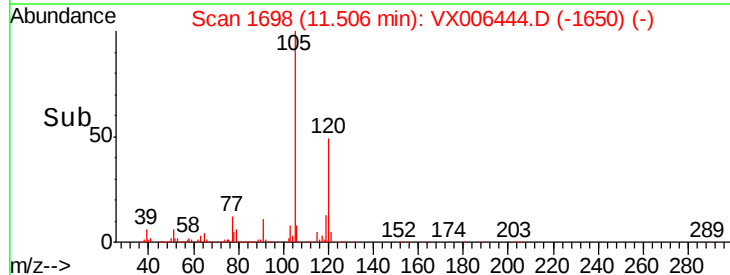
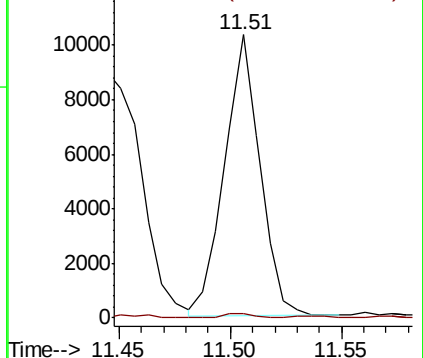
91 100

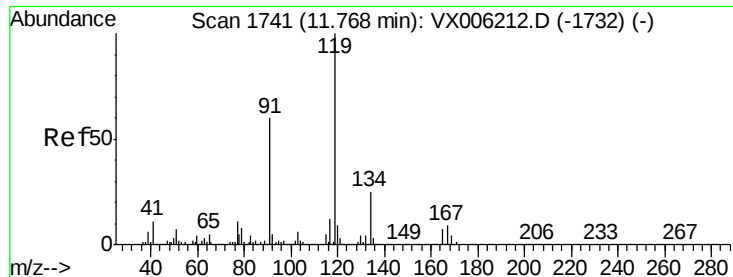
126 1.1 16.4 49.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.596 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.04 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

SV-27781L

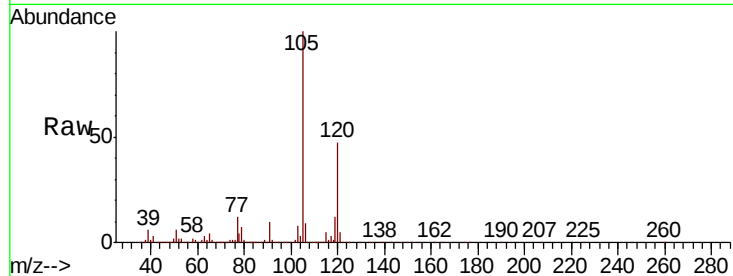
Tot Ion:119 Resp: 49717

Ion Ratio Lower Upper

119 100

91 85.8 26.4 79.2#

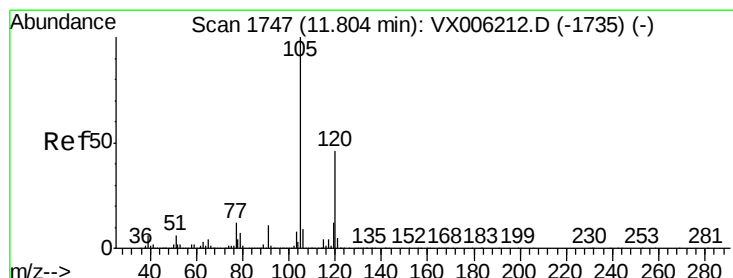
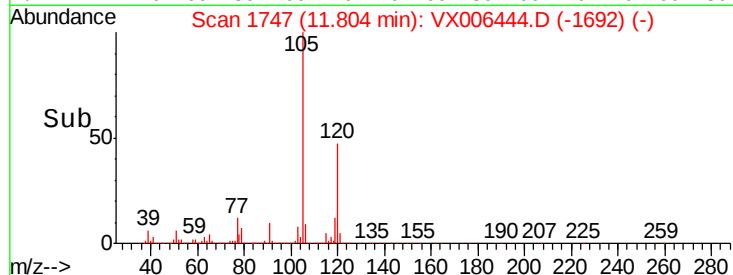
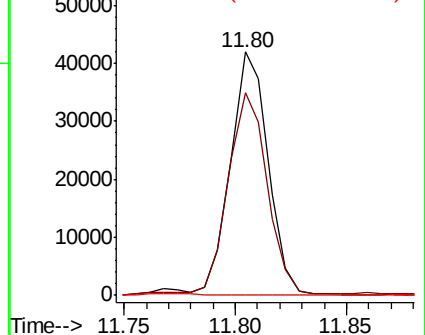
134 0.0 11.6 34.7#



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: 13.922 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006444.D

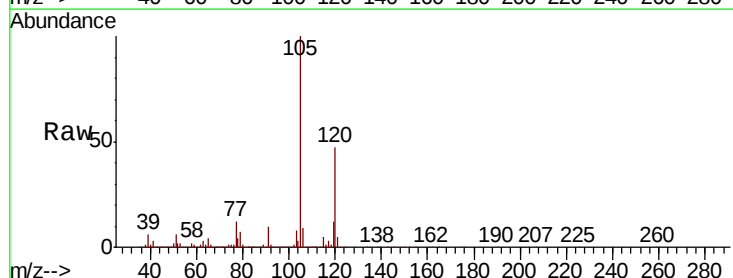
Acq: 12 Dec 2018 14:53

Tgt Ion:105 Resp: 419653

Ion Ratio Lower Upper

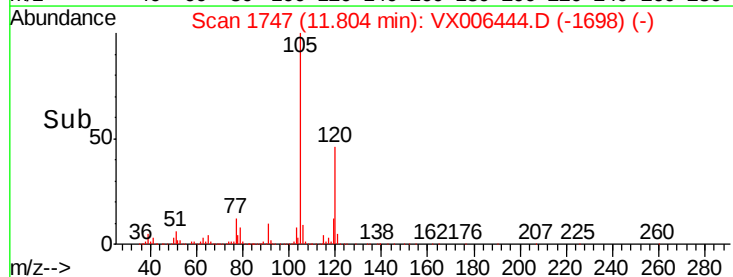
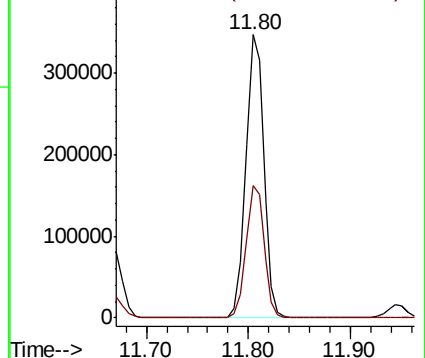
105 100

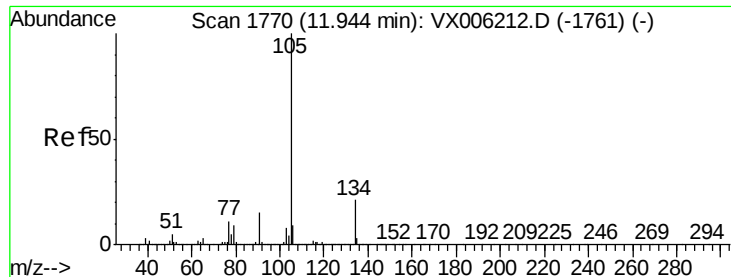
120 47.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.613 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampleId :

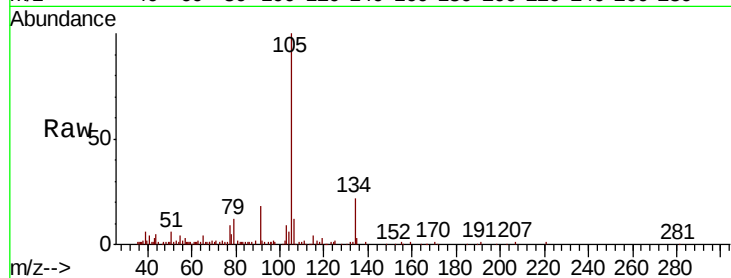
SV-27781L

Tot Ion:105 Resp: 21736

Ion Ratio Lower Upper

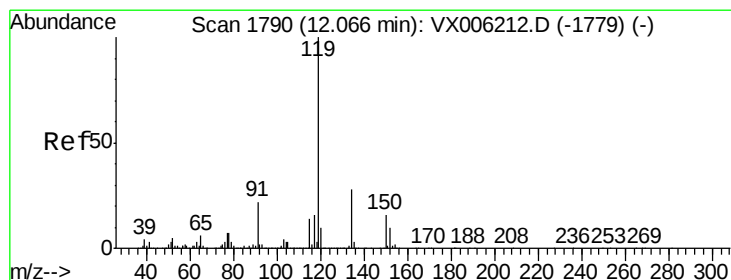
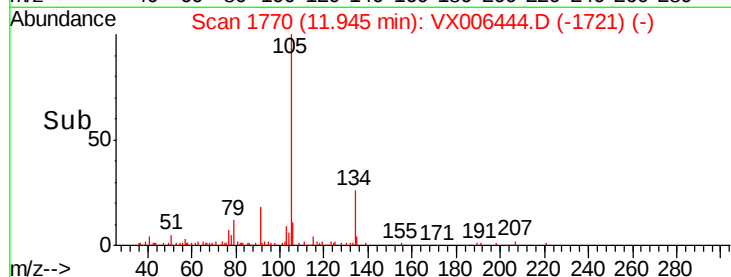
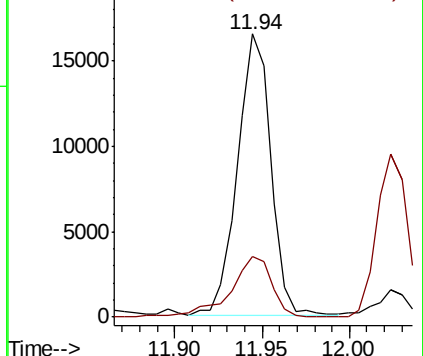
105 100

134 27.4 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.625 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

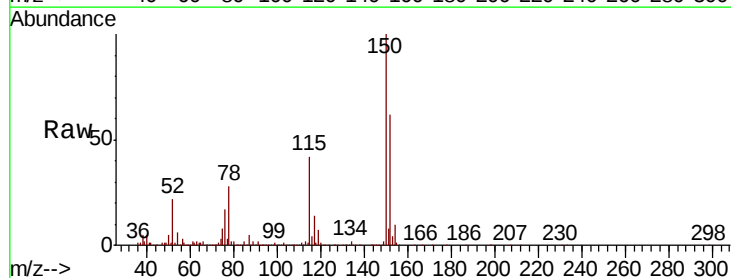
Tgt Ion:119 Resp: 19932

Ion Ratio Lower Upper

119 100

134 34.3 13.9 41.6

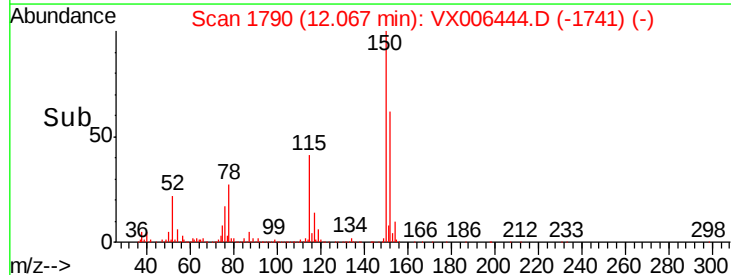
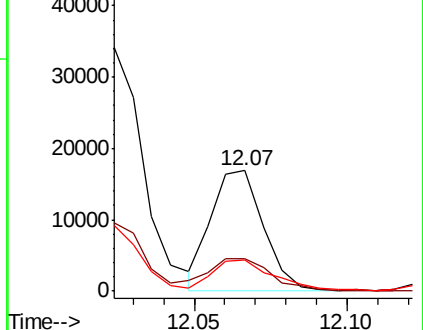
91 29.5 11.3 33.8

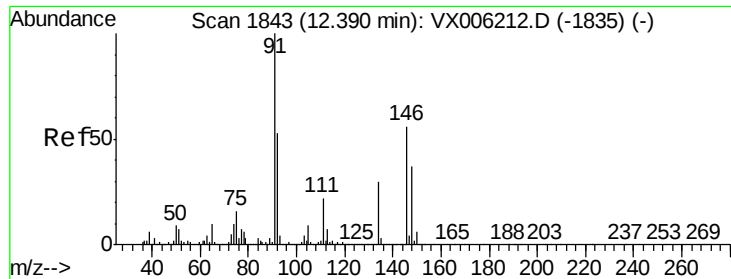


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 1.555 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.02 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampled :

SV-27781L

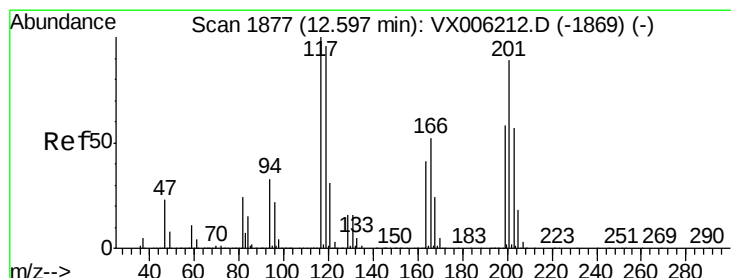
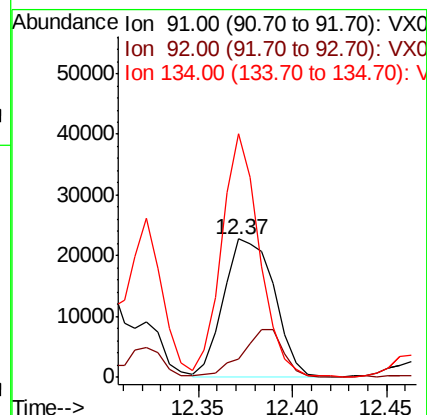
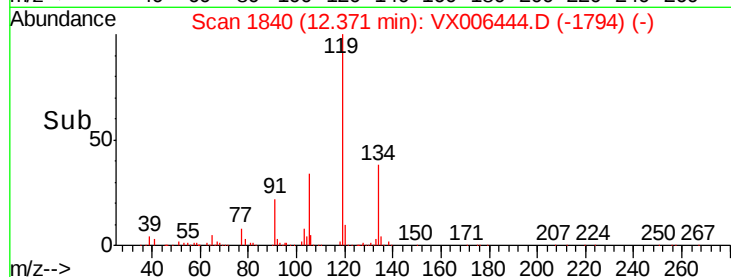
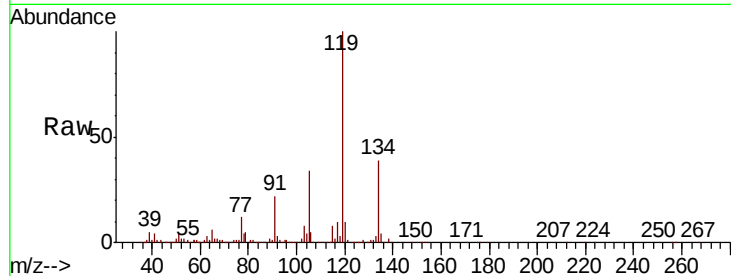
Tot Ion: 91 Resp: 42331

Ion Ratio Lower Upper

91 100

92 29.3 26.6 79.8

134 131.3 14.8 44.3#



#90

Hexachloroethane

Concen: 1.756 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX006444.D

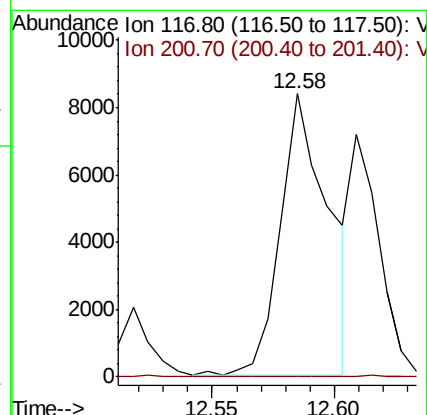
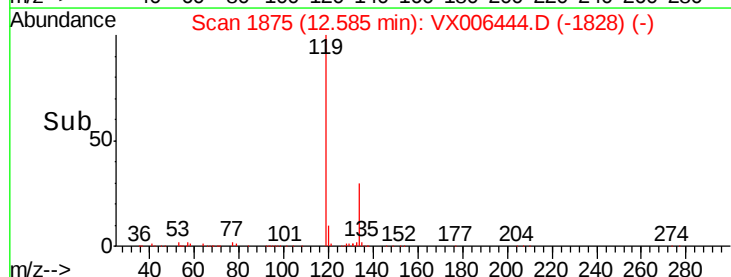
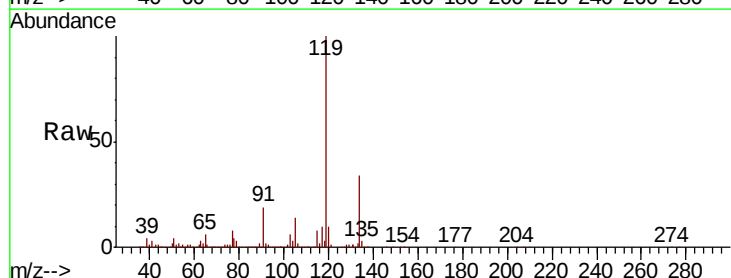
Acq: 12 Dec 2018 14:53

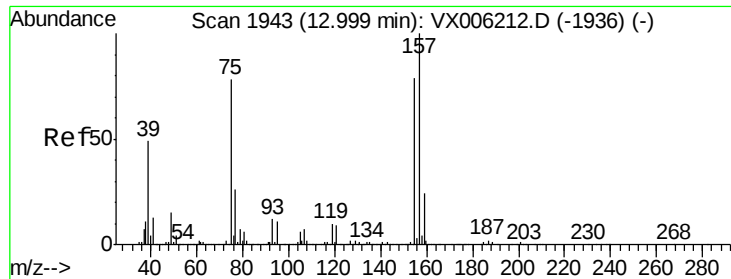
Tgt Ion: 117 Resp: 11417

Ion Ratio Lower Upper

117 100

201 0.0 44.7 134.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.501 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Instrument :

MSVOA\_X

ClientSampled :

SV-27781L

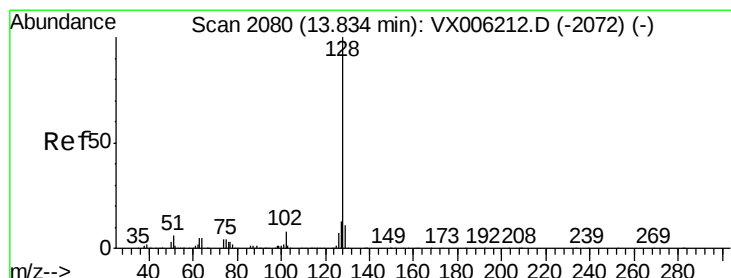
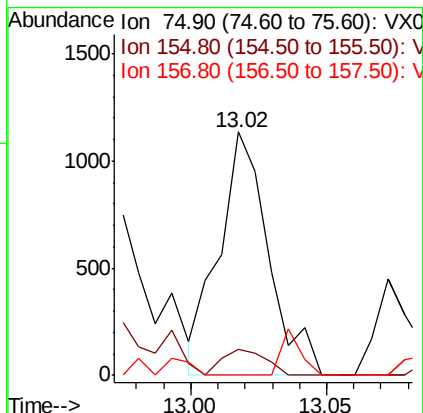
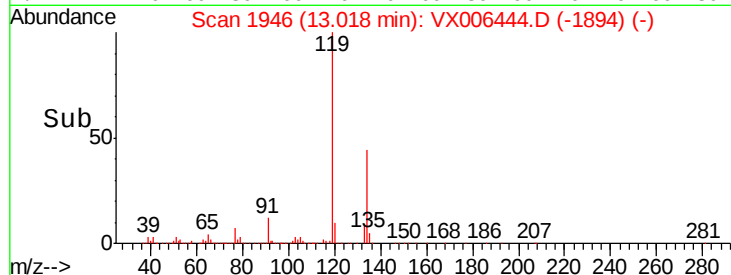
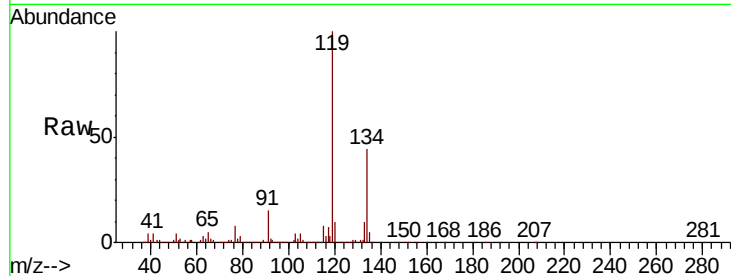
Tot Ion: 75 Resp: 1441

Ion Ratio Lower Upper

75 100

155 9.3 53.4 160.3#

157 7.4 68.0 203.8#



#95

Naphthalene

Concen: 6.374 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006444.D

Acq: 12 Dec 2018 14:53

Tgt Ion:128 Resp: 248708

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.8 8.9 13.3

