

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\  
 Data File : VX007419.D  
 Acq On : 07 Feb 2019 12:29  
 Operator : JC/SP  
 Sample : K1392-08DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 08 22:07:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 532951   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 821472   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 768045   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 385772   | 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   | 283682   | 50.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.30% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 263830   | 49.36 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.72%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 977615   | 49.30 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.60%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 354168   | 48.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.84%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.20  | 85   | 484      | 0.251     | ug/l   | 98     |
| 4) Vinyl Chloride              | 1.41  | 62   | 11144    | 1.892     | ug/l   | 98     |
| 5) Bromomethane                | 1.65  | 94   | 1569     | Below Cal | #      | 73     |
| 11) Tert butyl alcohol         | 3.12  | 59   | 245      | 0.209     | ug/l # | 1      |
| 13) Acrolein                   | 2.30  | 56   | 194      | 0.353     | ug/l # | 14     |
| 15) Acrylonitrile              | 3.15  | 53   | 1052     | 0.363     | ug/l # | 37     |
| 16) Acetone                    | 2.45  | 43   | 4141     | 1.598     | ug/l # | 79     |
| 17) Carbon Disulfide           | 2.58  | 76   | 2278     | 2.285     | ug/l # | 75     |
| 18) Methyl Acetate             | 2.78  | 43   | 764      | 0.705     | ug/l # | 1      |
| 20) Methylene Chloride         | 2.86  | 84   | 1516     | Below Cal | #      | 61     |
| 21) trans-1,2-Dichloroethene   | 3.17  | 96   | 3581     | 0.661     | ug/l # | 76     |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96   | 296485   | 50.076    | ug/l   | 90     |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 34022    | 4.616     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 47745    | 6.677     | ug/l # | 16     |
| 39) Methylcyclohexane          | 7.46  | 83   | 2765     | 0.310     | ug/l # | 86     |
| 40) Benzene                    | 6.15  | 78   | 6808     | 0.314     | ug/l   | 95     |
| 49) 1,4-Dioxane                | 7.76  | 88   | 117      | 7.767     | ug/l # | 1      |
| 52) Toluene                    | 8.79  | 92   | 119605   | 8.538     | ug/l   | 98     |
| 67) Ethyl Benzene              | 10.25 | 91   | 44741    | 1.658     | ug/l   | 99     |
| 68) m/p-Xylenes                | 10.36 | 106  | 119506   | 11.139    | ug/l   | 99     |
| 69) o-Xylene                   | 10.69 | 106  | 75163    | 7.280     | ug/l   | 99     |
| 70) Styrene                    | 10.70 | 104  | 4408     | 0.263     | ug/l # | 1      |
| 71) Bromoform                  | 10.86 | 173  | 90       | 4.046     | ug/l # | 29     |
| 73) Isopropylbenzene           | 11.02 | 105  | 5467     | 0.209     | ug/l   | 96     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 169556   | 22.596    | ug/l # | 33     |
| 78) n-propylbenzene            | 11.36 | 91   | 13530    | 0.471     | ug/l   | 96     |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 20413    | 1.170     | ug/l # | 47     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 121119   | 5.647     | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 169556   | 68.165    | ug/l # | 9      |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 13402    | 0.664     | ug/l # | 47     |
| 83) tert-Butylbenzene          | 11.77 | 119  | 8697     | 0.410     | ug/l   | 96     |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 186922   | 8.585     | ug/l   | 100    |
| 85) sec-Butylbenzene           | 11.80 | 105  | 186922   | 7.273     | ug/l # | 55     |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 14178    | 0.611     | ug/l   | 87     |

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Feb 08 22:07:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 02 01:32:36 2019  
Response via : Initial Calibration

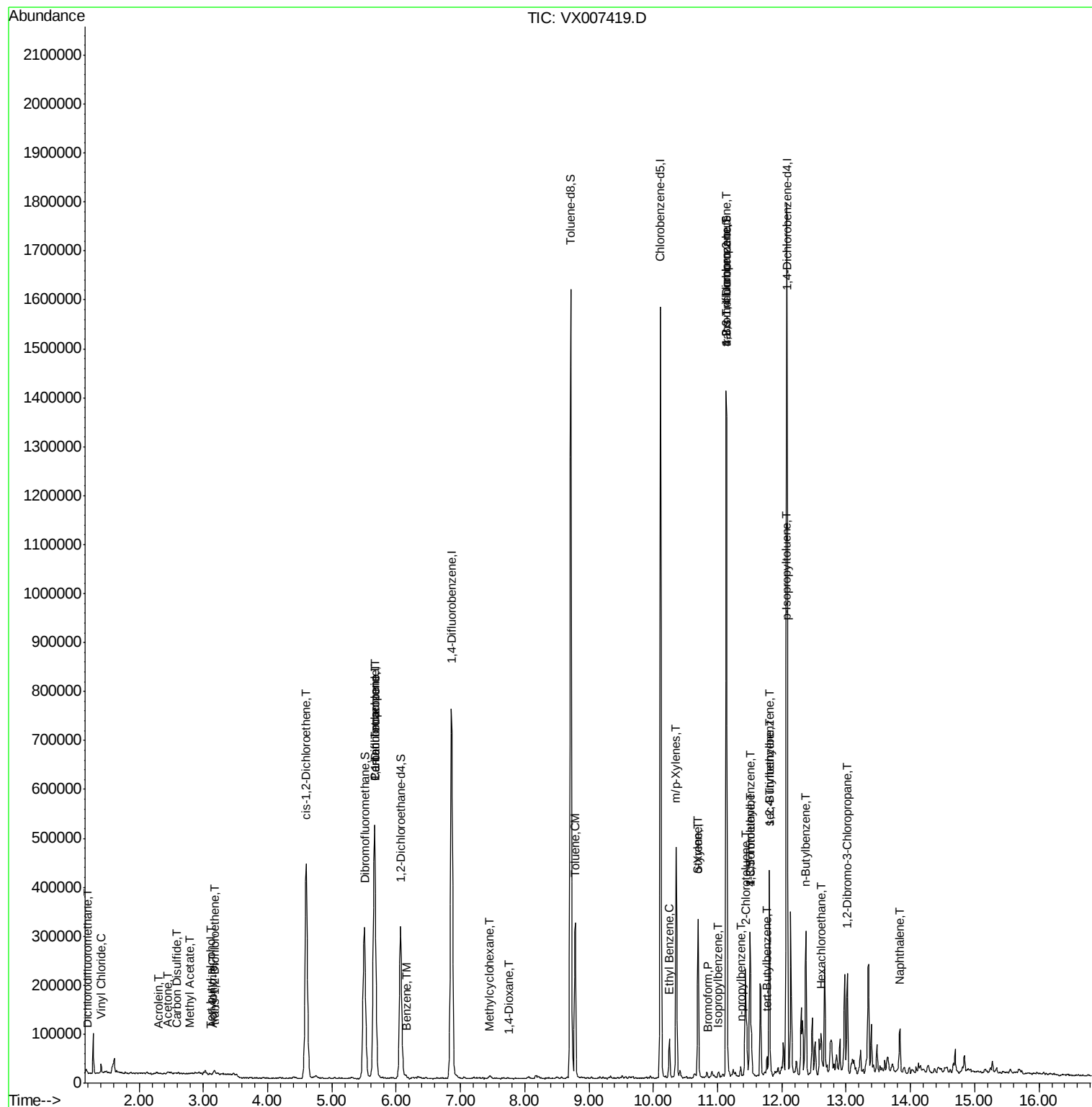
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 89) n-Butylbenzene             | 12.37 | 91   | 23858    | 1.195 | ug/l # | 1        |
| 90) Hexachloroethane           | 12.61 | 117  | 3175     | 0.914 | ug/l # | 5        |
| 92) 1,2-Dibromo-3-Chloropropan | 13.02 | 75   | 968      | 0.583 | ug/l # | 1        |
| 95) Naphthalene                | 13.83 | 128  | 58498    | 2.248 | ug/l   | 97       |

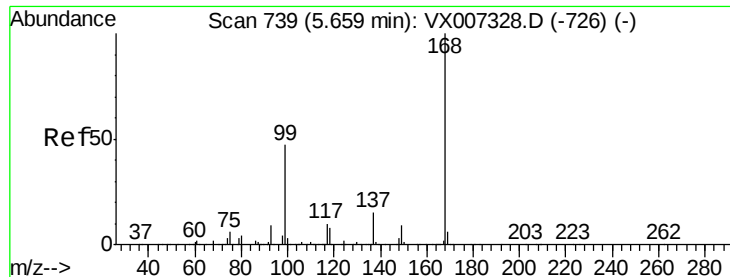
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

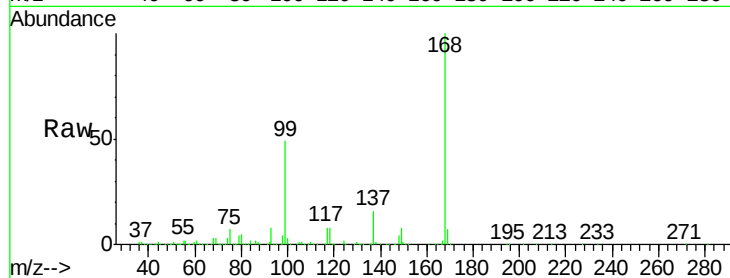
ClientSampled :

Tot Ion:168 Resp: 532951

Ion Ratio Lower Upper

168 100

99 48.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

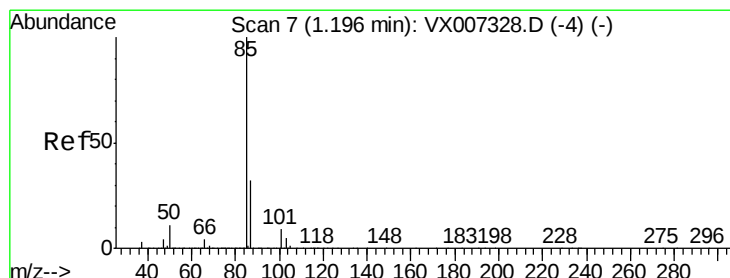
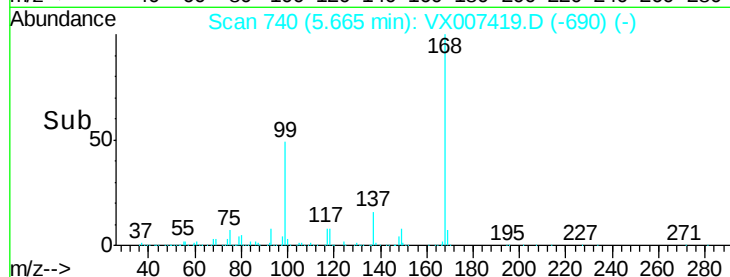
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.251 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007419.D

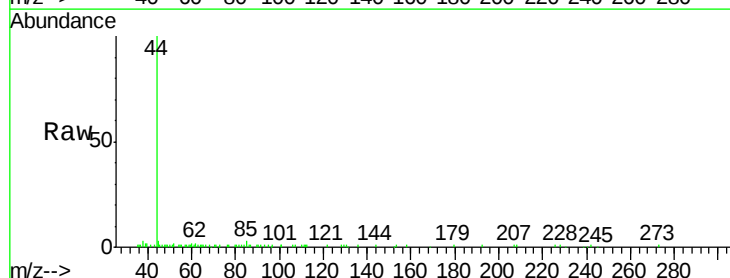
Acq: 07 Feb 2019 12:29

Tgt Ion: 85 Resp: 484

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

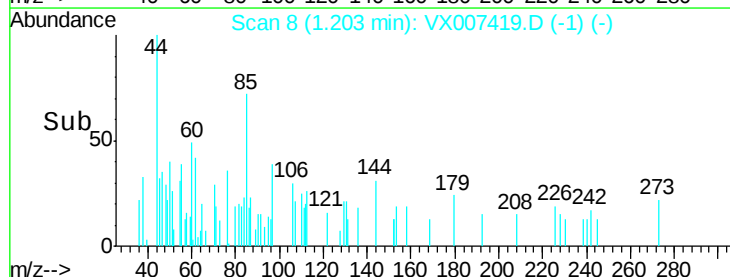
200

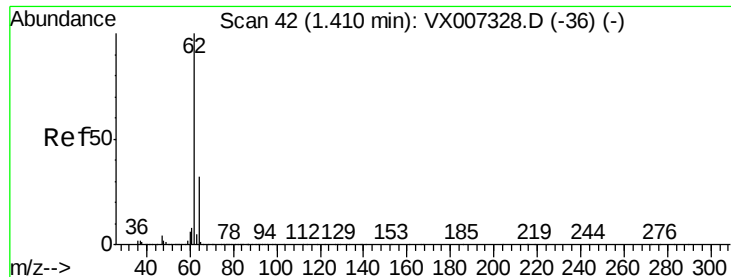
100

0

1.15 1.20 1.25

Time-->





#4

Vinyl Chloride

Concen: 1.892 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

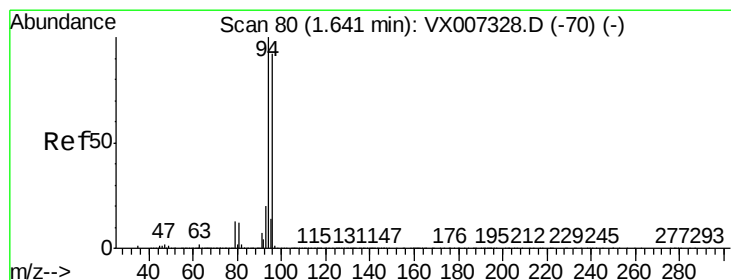
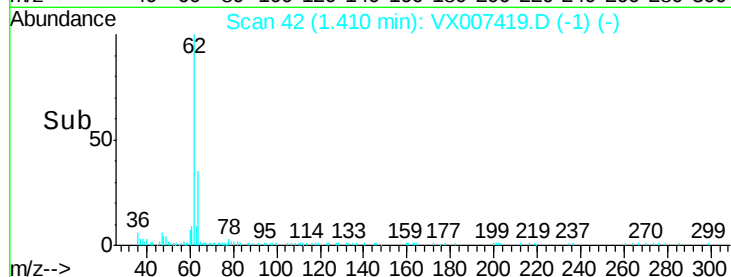
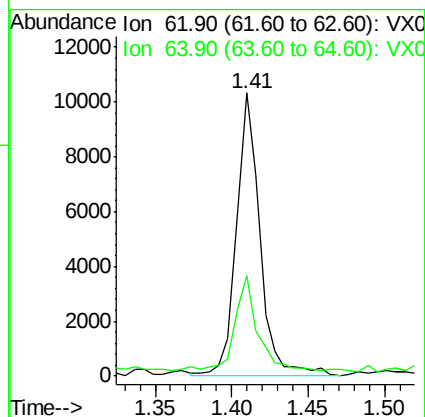
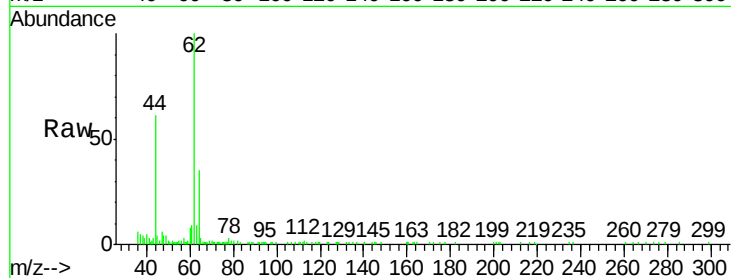
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 62 Resp: 11144

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007419.D

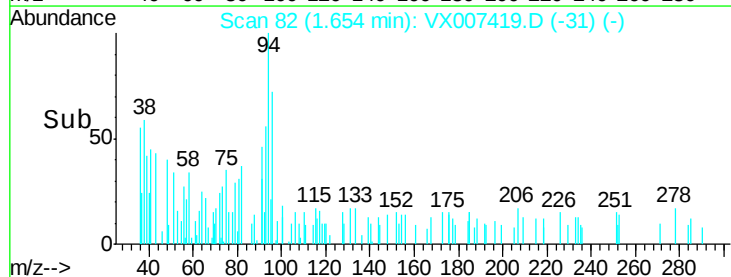
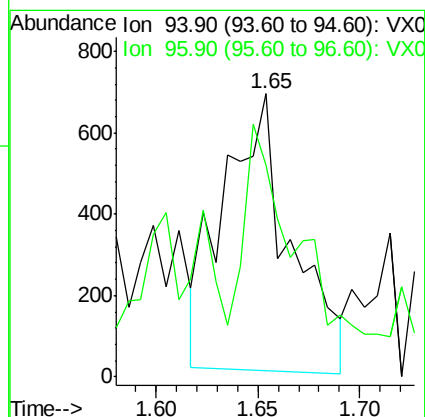
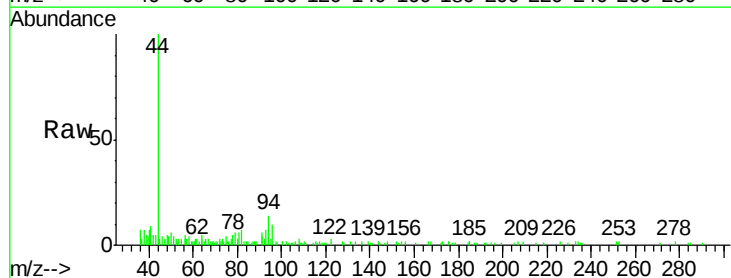
Acq: 07 Feb 2019 12:29

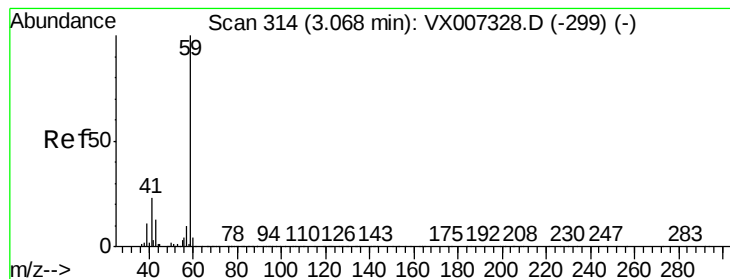
Tgt Ion: 94 Resp: 1569

Ion Ratio Lower Upper

94 100

96 66.7 73.9 110.9#



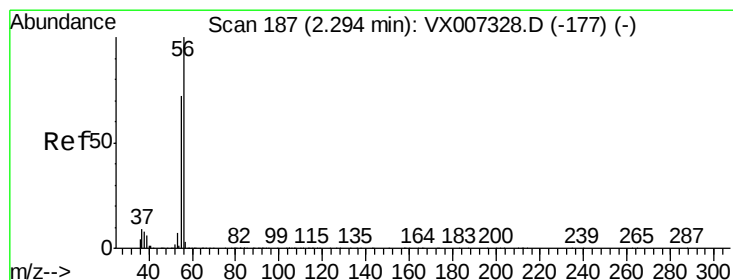
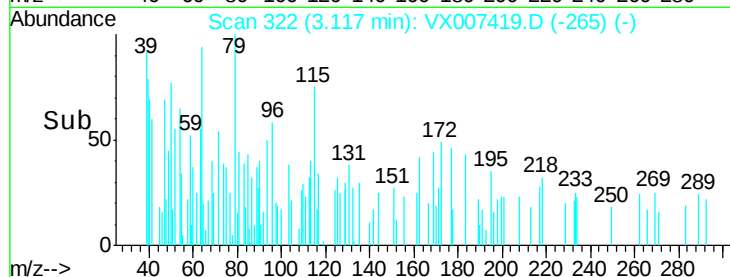
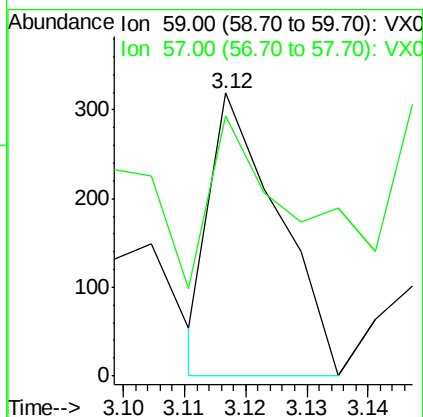
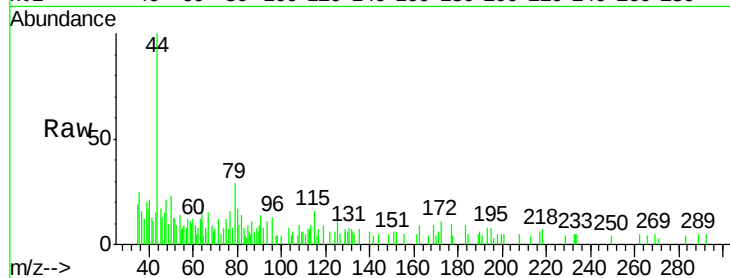


#11

Tert butyl alcohol  
Concen: 0.209 ug/l  
RT: 3.12 min Scan# 322  
Delta R.T. 0.05 min  
Lab File: VX007419.D  
Acq: 07 Feb 2019 12:29

Instrument :  
MSVOA\_X  
ClientSampled :

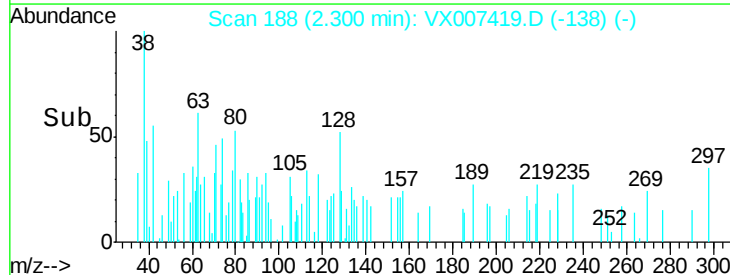
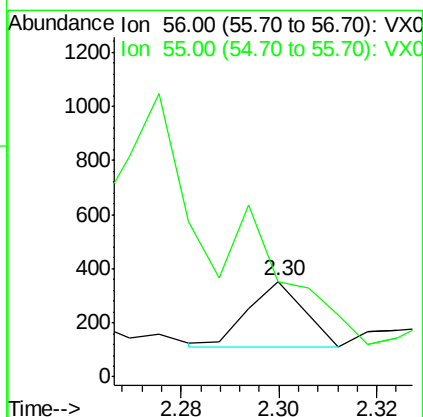
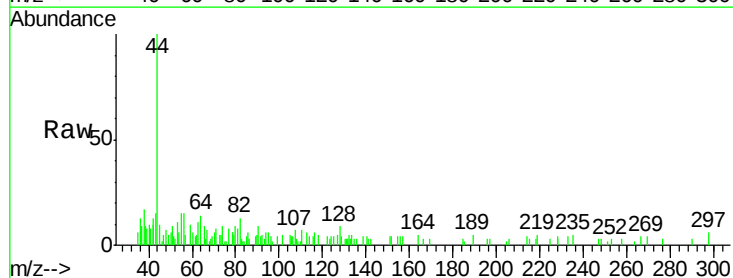
Tot Ion: 59 Resp: 245  
Ion Ratio Lower Upper  
59 100  
57 56.7 8.1 12.1#

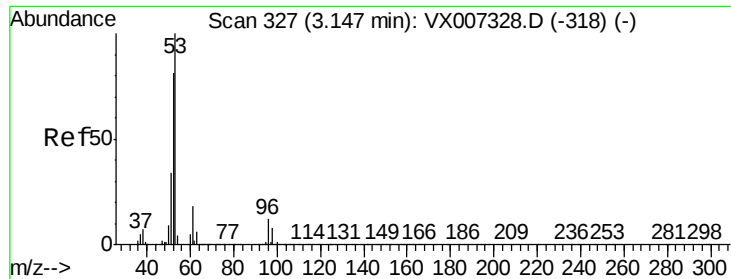


#13

Acrolein  
Concen: 0.353 ug/l  
RT: 2.30 min Scan# 188  
Delta R.T. 0.01 min  
Lab File: VX007419.D  
Acq: 07 Feb 2019 12:29

Tgt Ion: 56 Resp: 194  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.9 85.3#





#15

Acrylonitrile

Concen: 0.363 ug/l

RT: 3.15 min Scan# 327

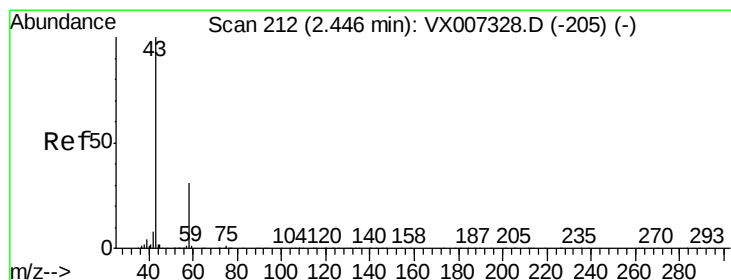
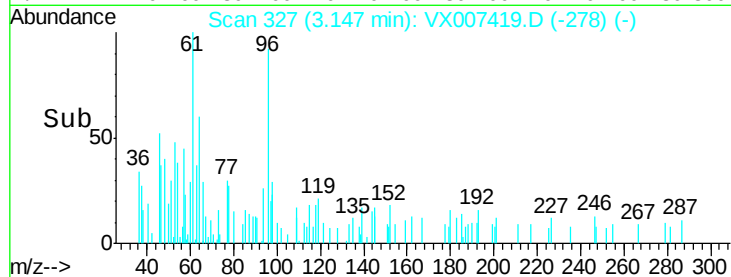
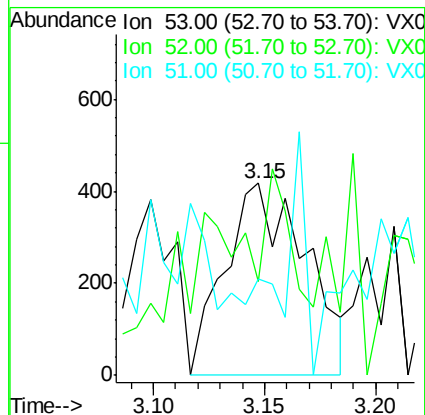
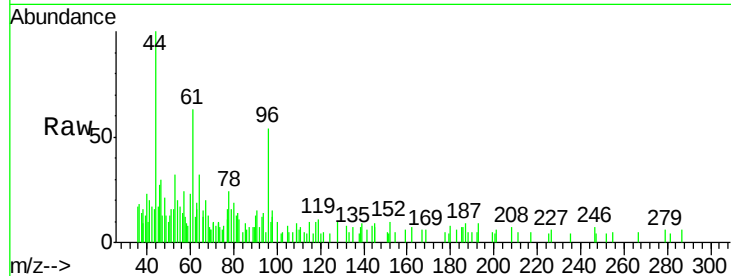
Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :  
MSVOA\_X  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 1052  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 25.3  | 66.4  | 99.6# |
| 51       | 0.0   | 28.4  | 42.6# |



#16

Acetone

Concen: 1.598 ug/l

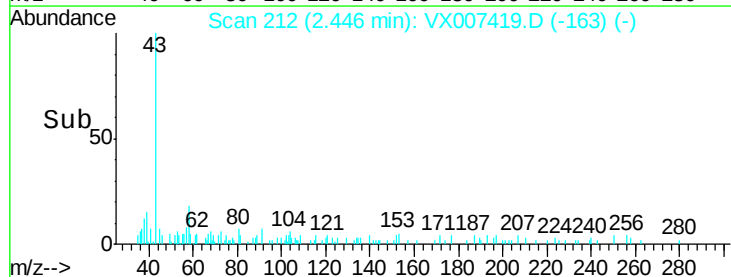
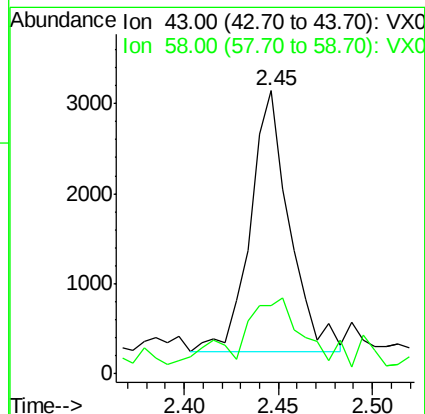
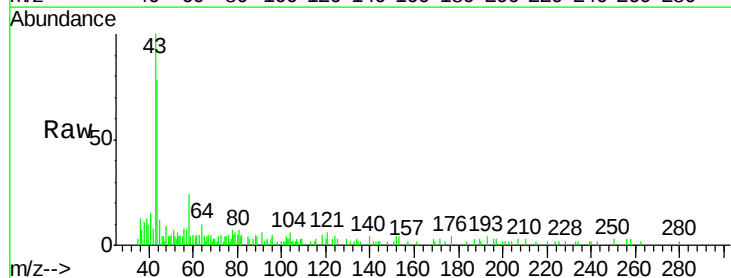
RT: 2.45 min Scan# 212

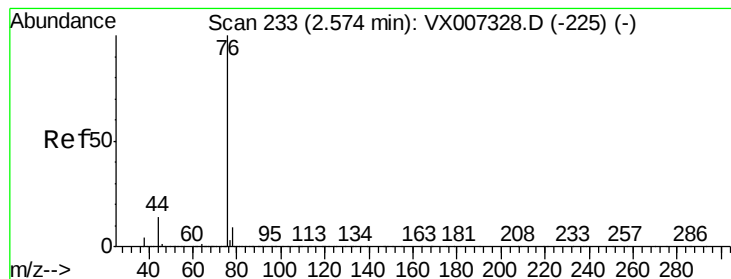
Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4141  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 19.7  | 24.9  | 37.3# |





#17

Carbon Disulfide

Concen: 2.285 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

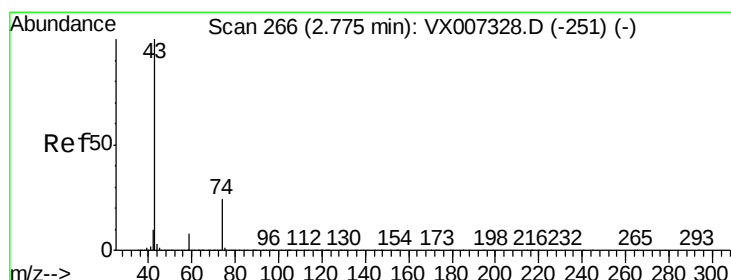
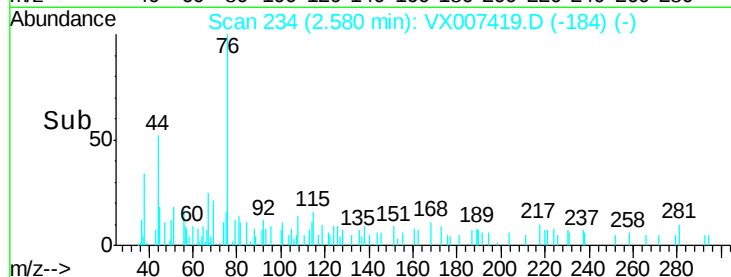
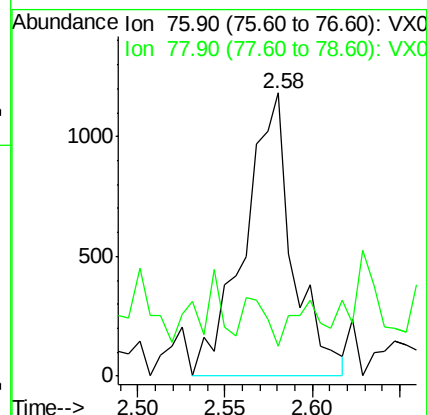
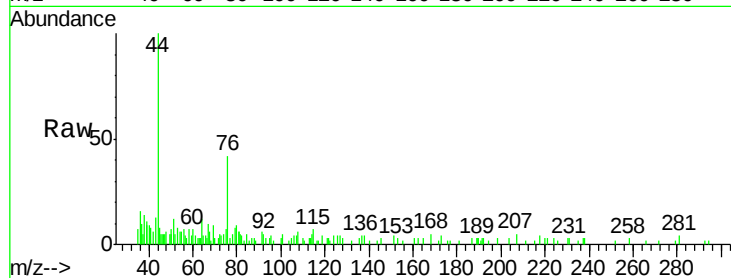
ClientSampleId :

Tot Ion: 76 Resp: 2278

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.705 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007419.D

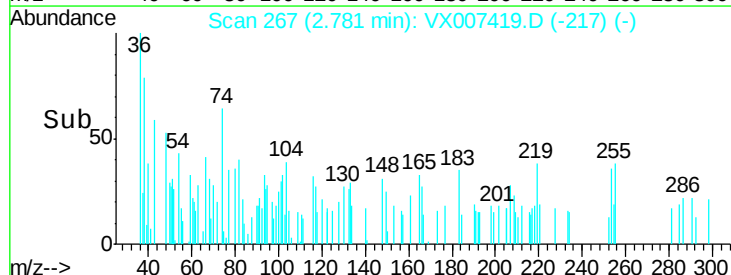
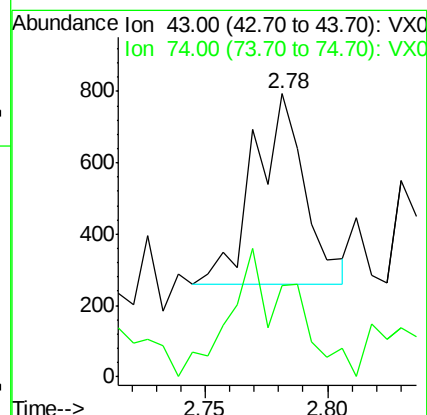
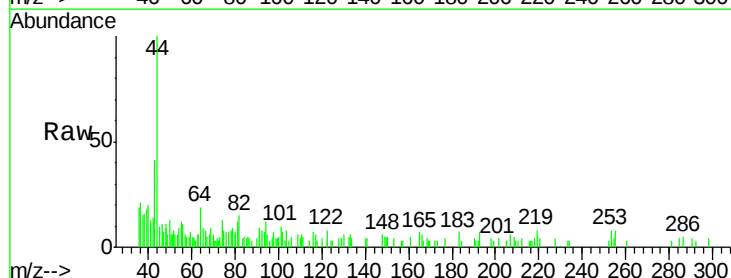
Acq: 07 Feb 2019 12:29

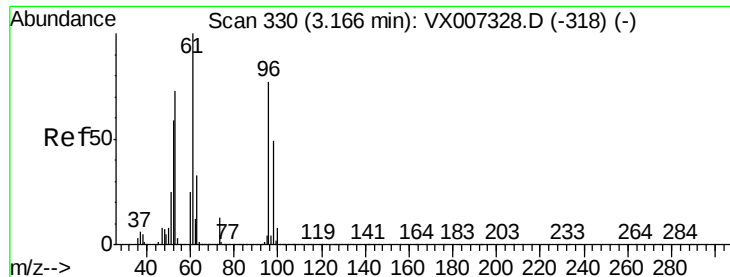
Tgt Ion: 43 Resp: 764

Ion Ratio Lower Upper

43 100

74 82.5 19.4 29.2#





#21

trans-1,2-Dichloroethene

Concen: 0.661 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

ClientSampleId :

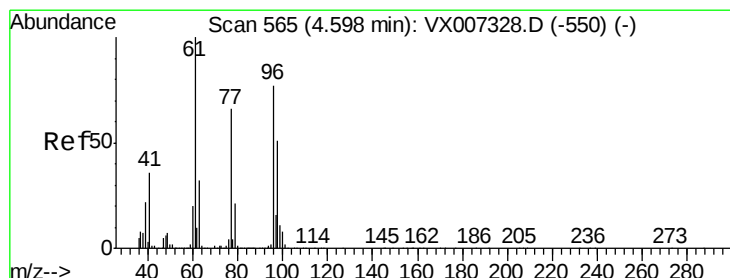
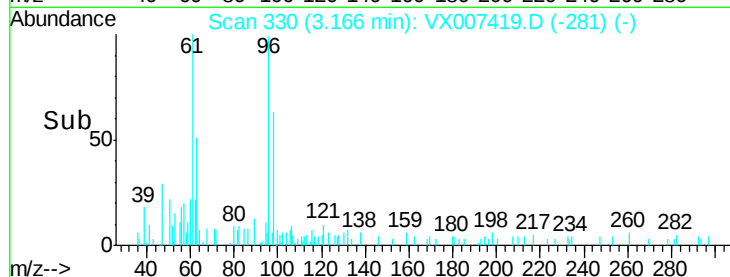
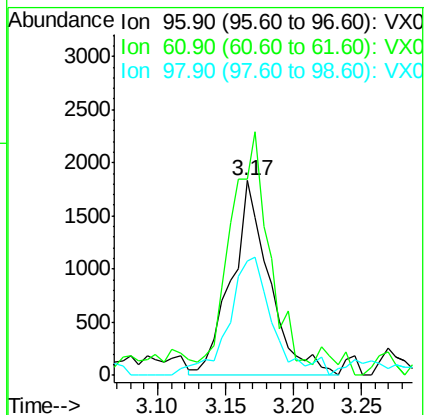
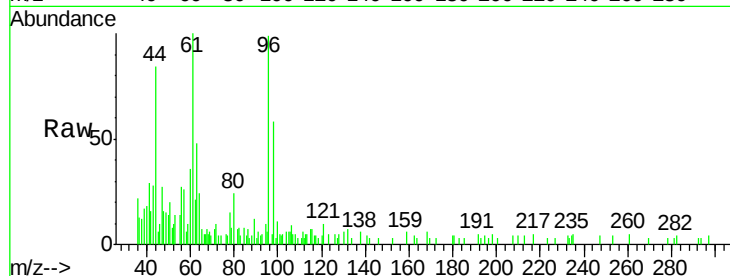
Tot Ion: 96 Resp: 3581

Ion Ratio Lower Upper

96 100

61 95.2 104.6 156.8#

98 55.3 51.0 76.4



#27

cis-1,2-Dichloroethene

Concen: 50.076 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

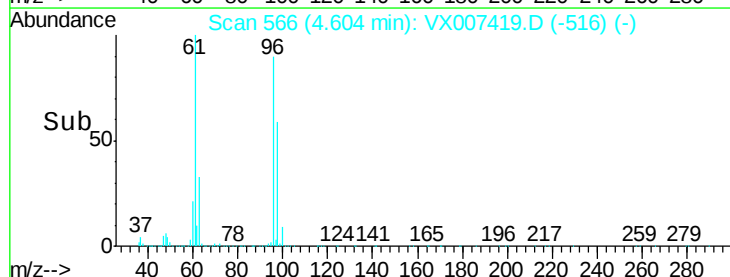
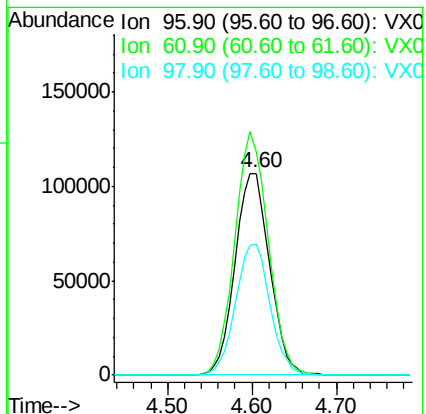
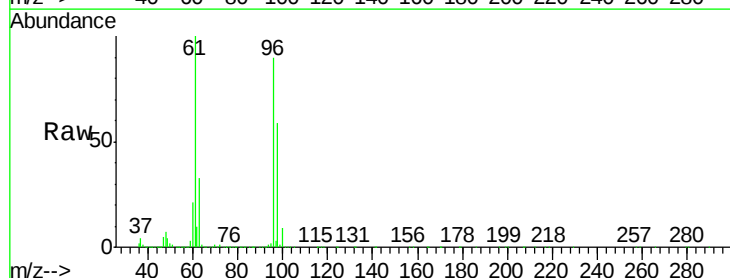
Tgt Ion: 96 Resp: 296485

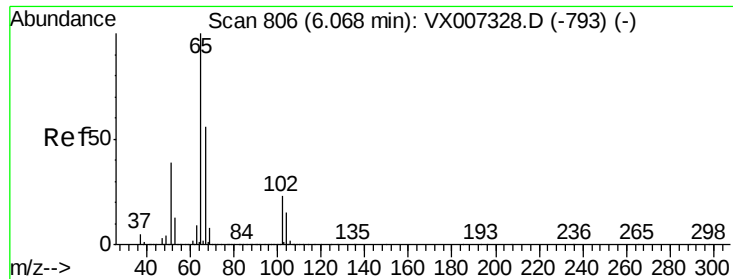
Ion Ratio Lower Upper

96 100

61 116.3 0.0 265.6

98 64.9 0.0 131.6





#33

1,2-Dichloroethane-d4

Concen: 50.148 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

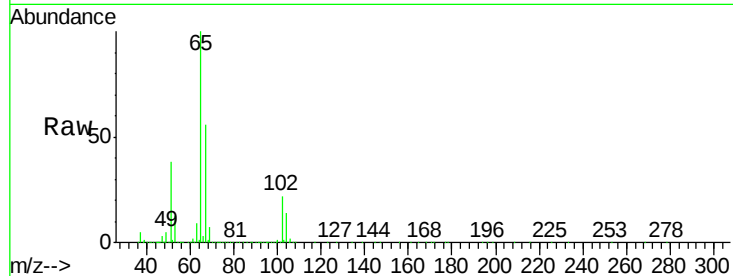
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 65 Resp: 283682

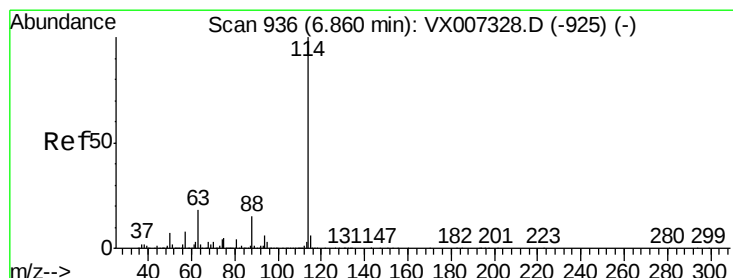
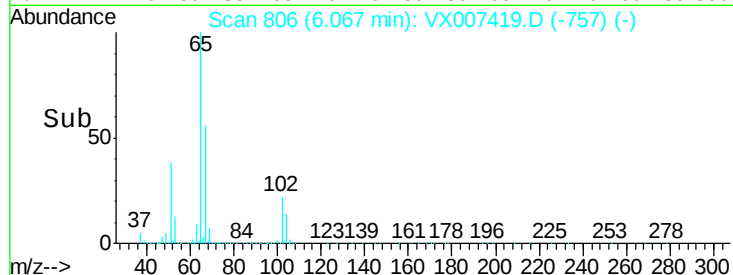
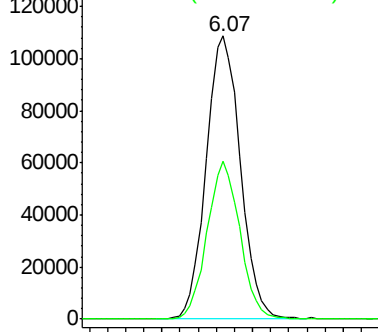
Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.8



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

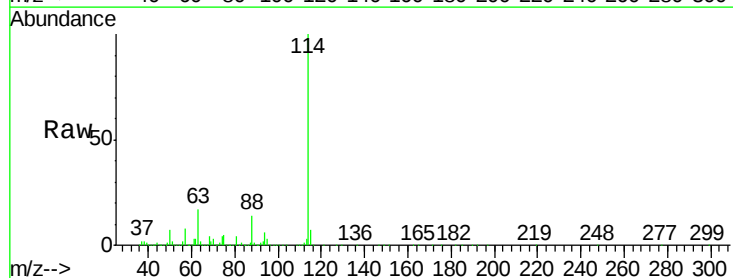
Tgt Ion: 114 Resp: 821472

Ion Ratio Lower Upper

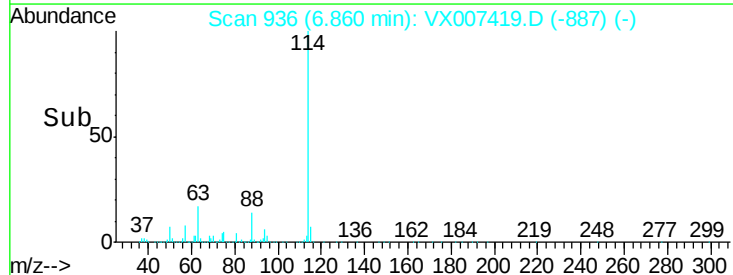
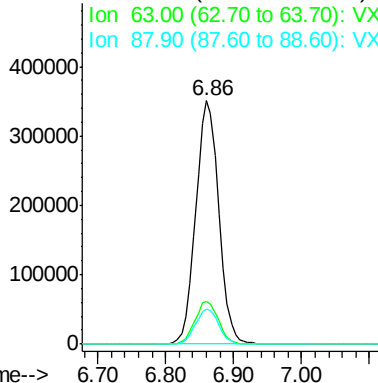
114 100

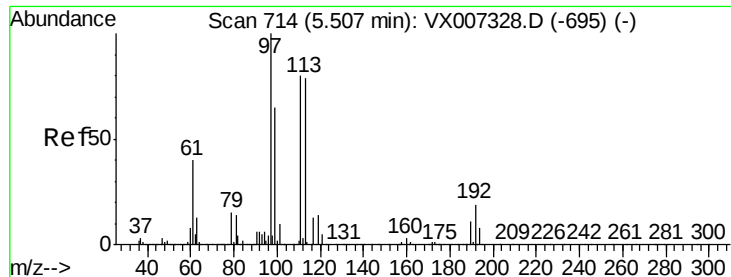
63 17.4 0.0 35.6

88 14.2 0.0 29.6



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: 49.360 ug/l

RT: 5.51 min Scan# 714

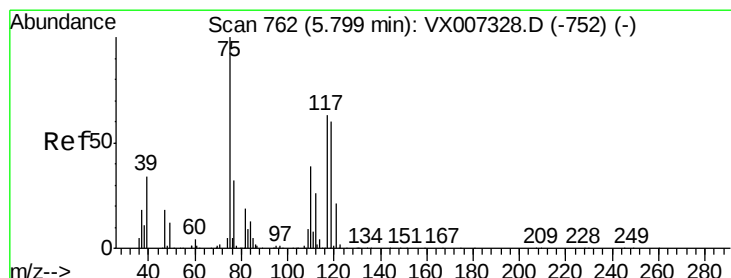
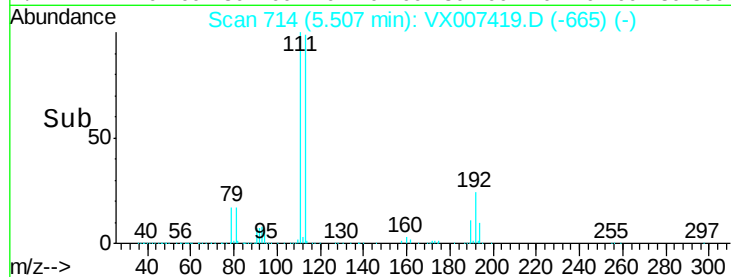
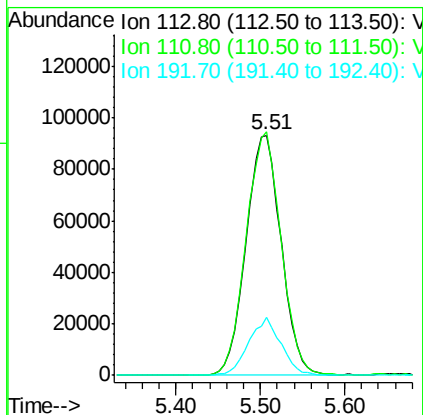
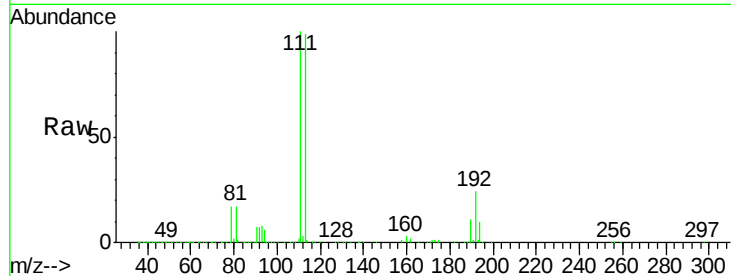
Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :  
MSVOA\_X  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 263830 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.1 | 81.8  | 122.8  |
| 192      | 22.3  | 18.5  | 27.7   |



#36

1,1-Dichloropropene

Concen: 4.616 ug/l

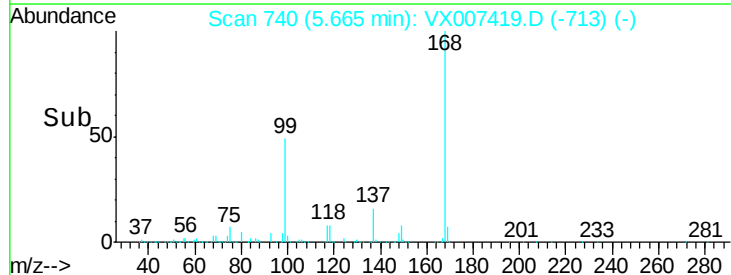
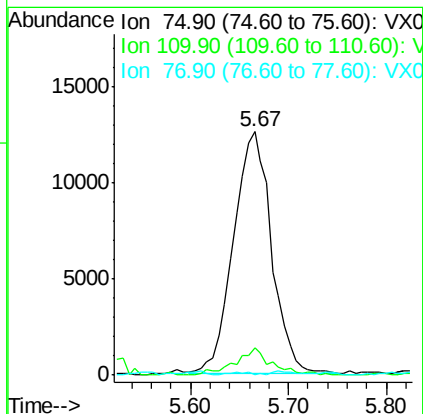
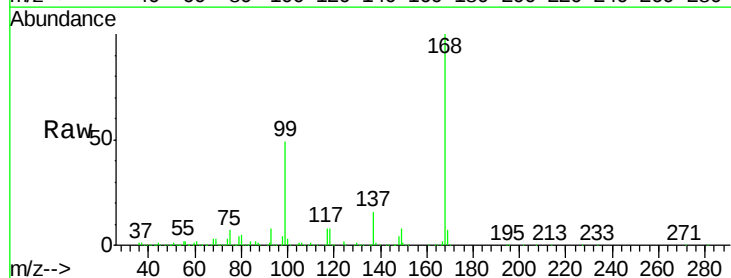
RT: 5.67 min Scan# 740

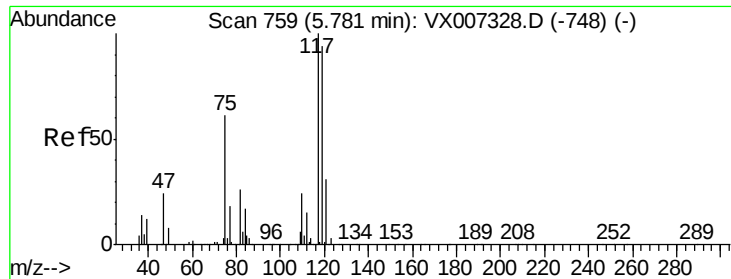
Delta R.T. -0.13 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 34022 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 10.7  | 20.0  | 59.9# |
| 77       | 0.8   | 24.7  | 37.1# |





#38

Carbon Tetrachloride

Concen: 6.677 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

ClientSampled :

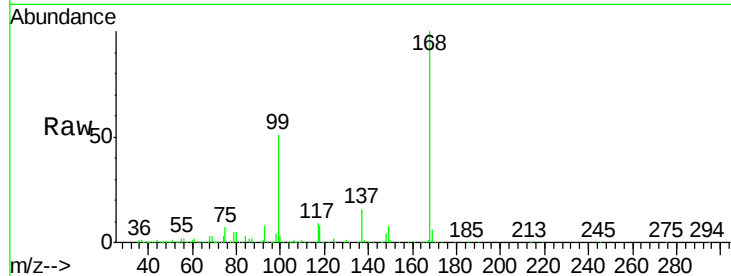
Tot Ion:117 Resp: 47745

Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

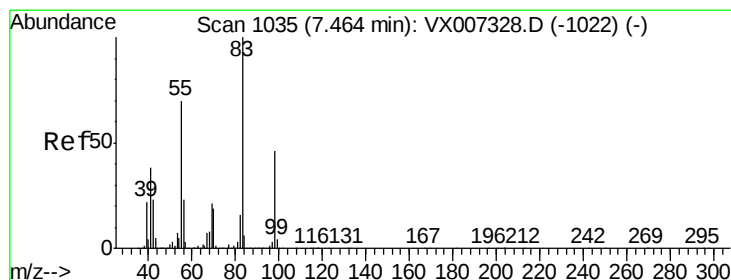
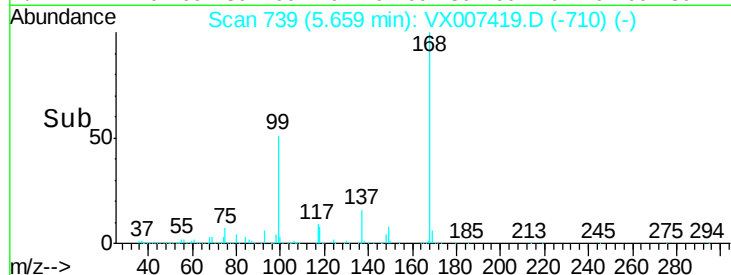
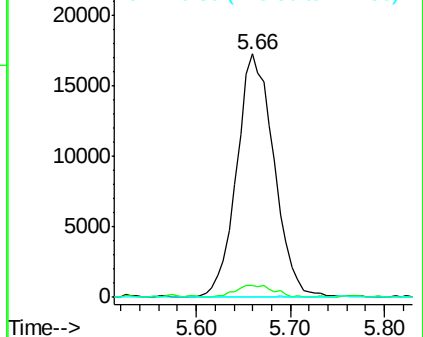
121 0.0 25.0 37.4#



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: 0.310 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

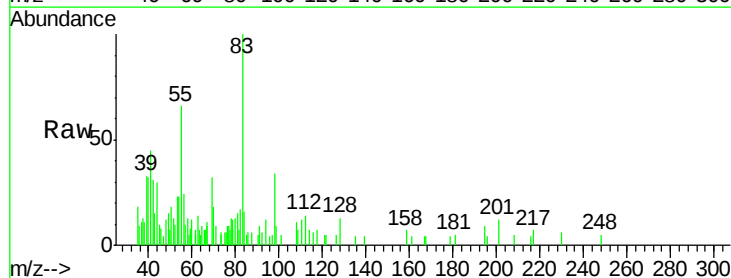
Tgt Ion: 83 Resp: 2765

Ion Ratio Lower Upper

83 100

55 66.3 56.2 84.2

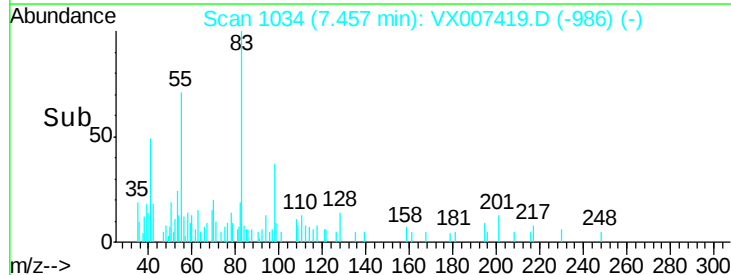
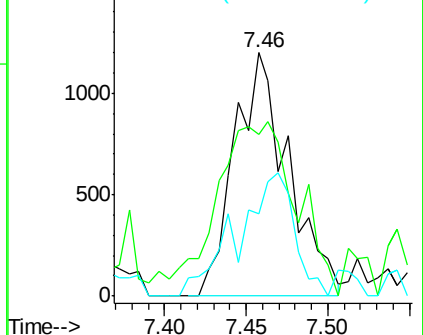
98 26.7 36.8 55.2#

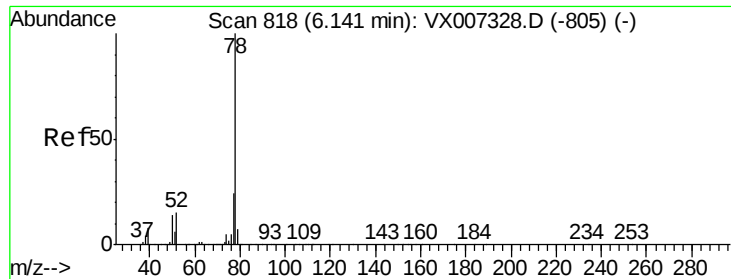


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.314 ug/l

RT: 6.15 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

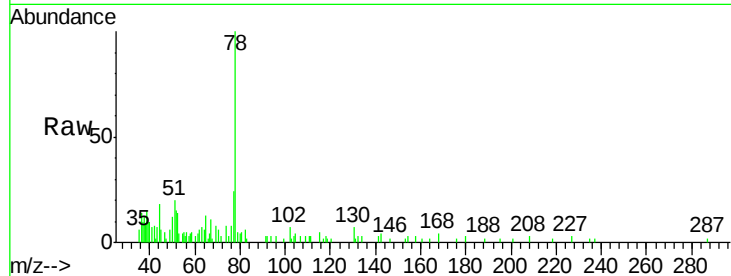
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 78 Resp: 6808

Ion Ratio Lower Upper

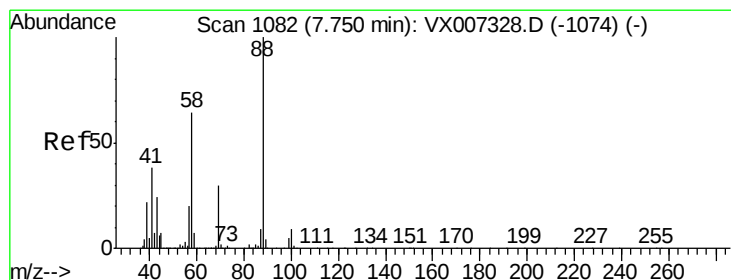
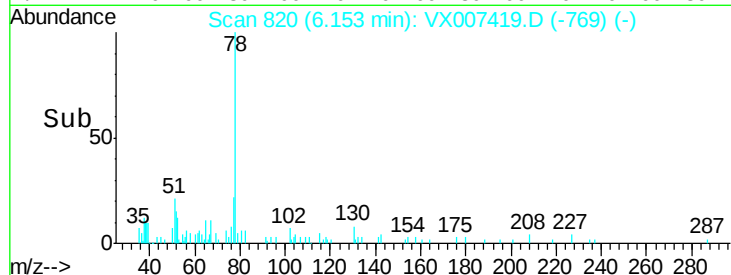
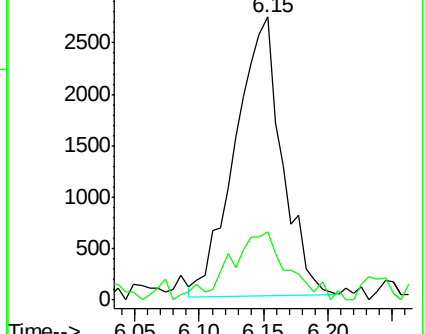
78 100

77 21.7 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 7.767 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

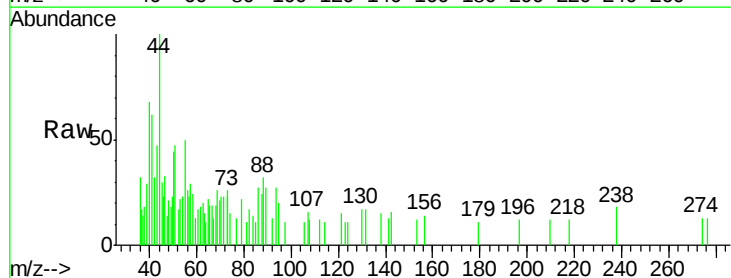
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

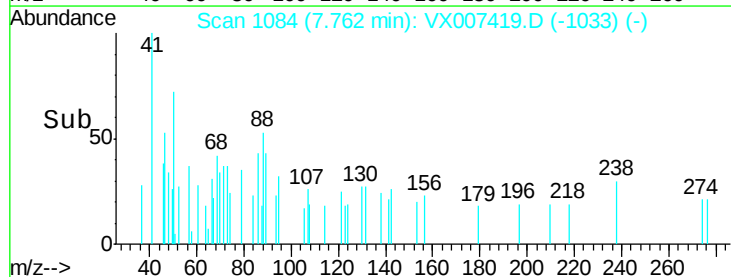
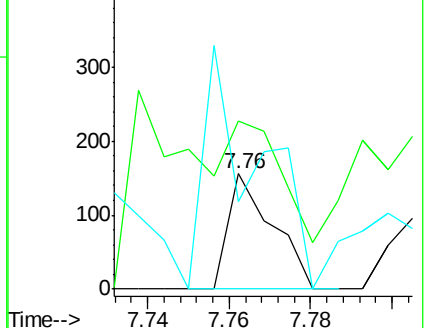
58 277.8 53.0 79.4#

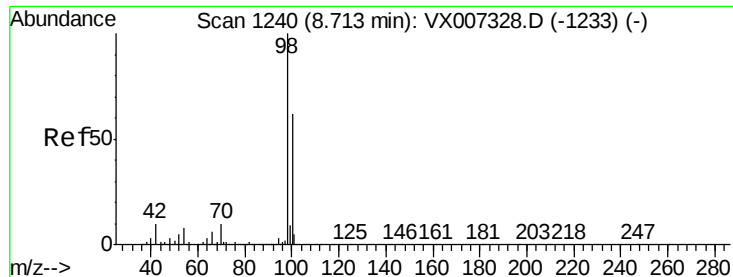


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

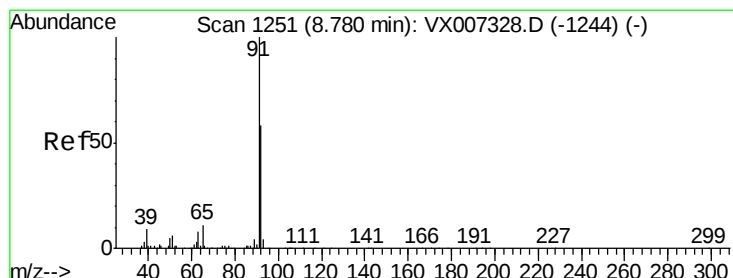
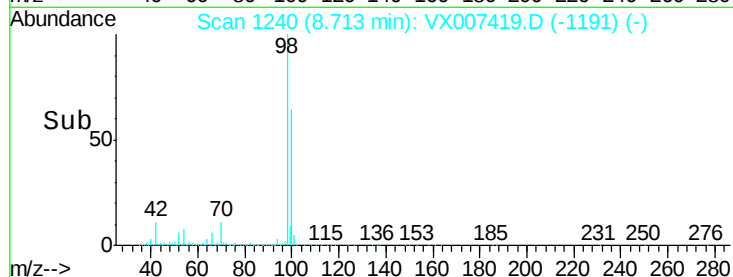
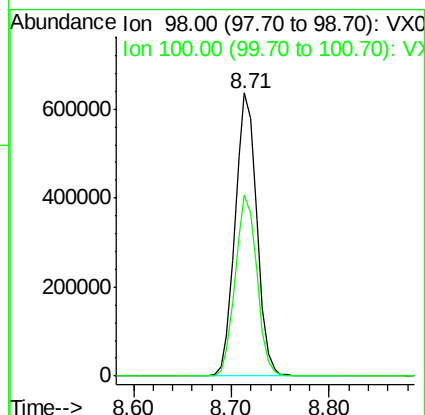
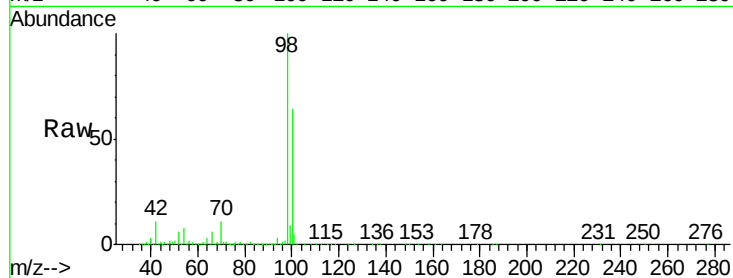




#50  
Toluene-d8  
Concen: 49.297 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX007419.D  
Acq: 07 Feb 2019 12:29

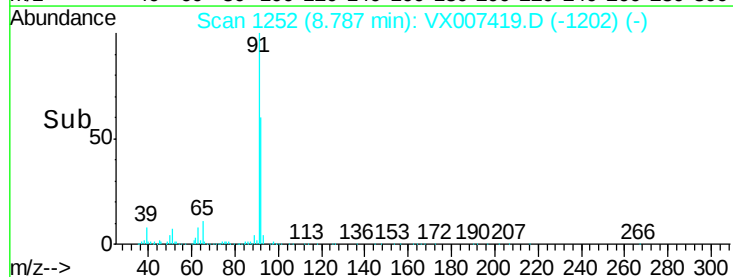
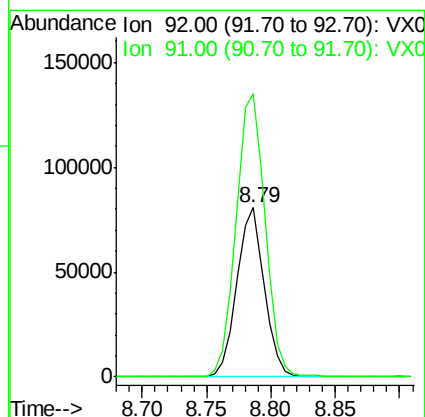
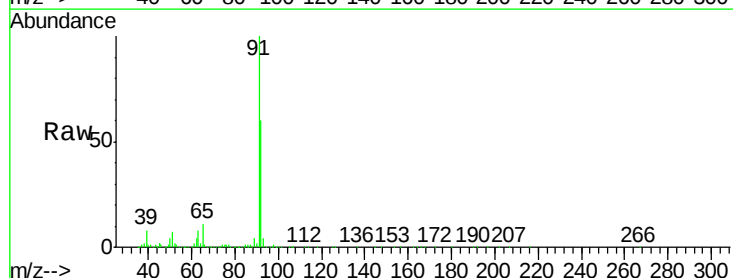
Instrument :  
MSVOA\_X  
ClientSampleId :

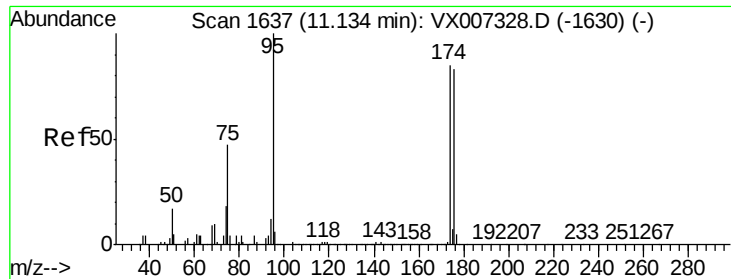
Tot Ion: 98 Resp: 977615  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.6 77.4



#52  
Toluene  
Concen: 8.538 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. 0.01 min  
Lab File: VX007419.D  
Acq: 07 Feb 2019 12:29

Tgt Ion: 92 Resp: 119605  
Ion Ratio Lower Upper  
92 100  
91 177.1 139.1 208.7





#62

4-Bromofluorobenzene

Concen: 48.916 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

ClientSampleId :

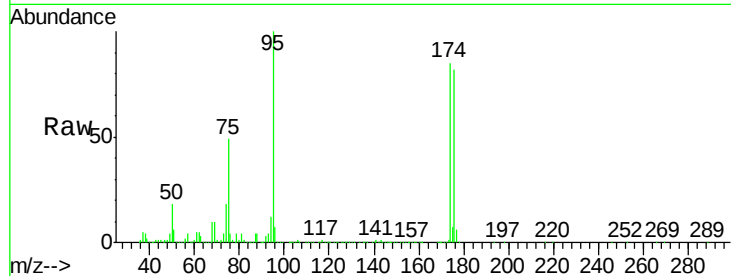
Tot Ion: 95 Resp: 354168

Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

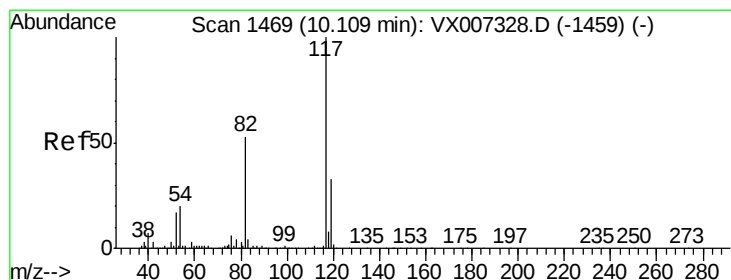
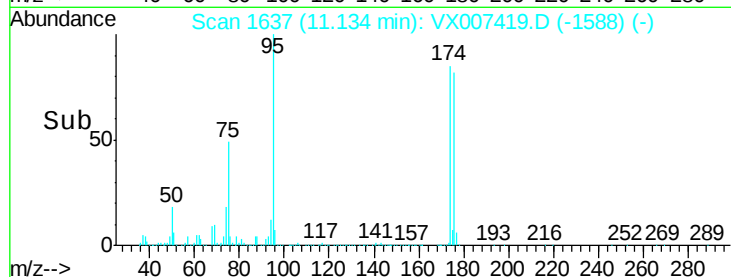
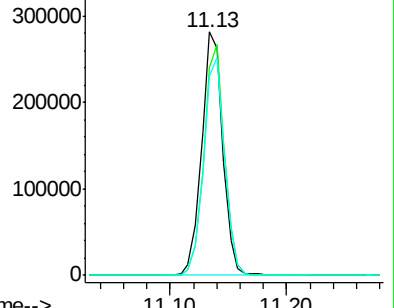
176 89.3 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007328.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007328.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007328.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

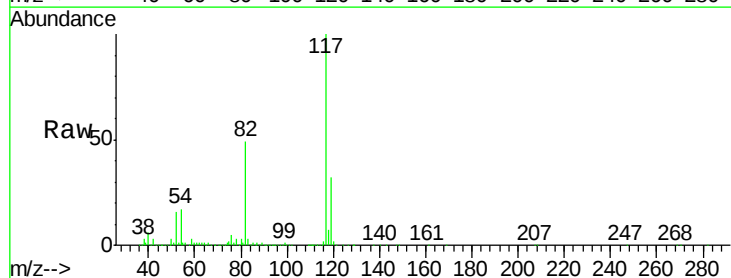
Tgt Ion: 117 Resp: 768045

Ion Ratio Lower Upper

117 100

82 49.4 42.1 63.1

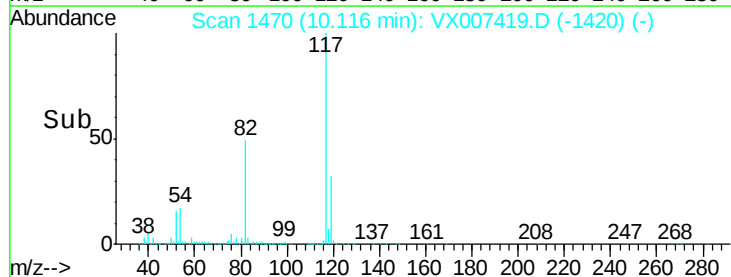
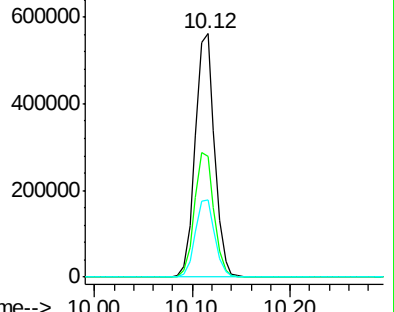
119 31.9 26.5 39.7

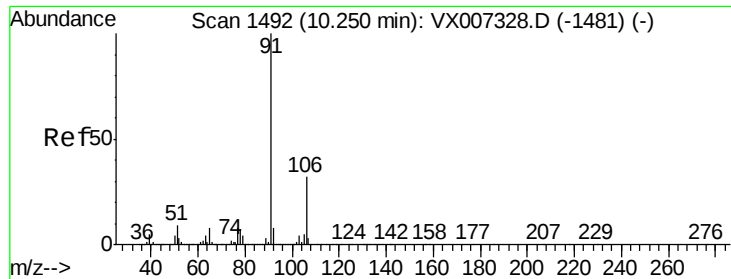


Abundance Ion 116.90 (116.60 to 117.60): VX007328.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007328.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007328.D (-1459) (-)





#67

Ethyl Benzene

Concen: 1.658 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

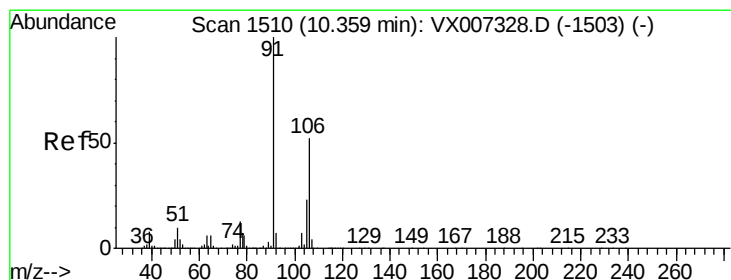
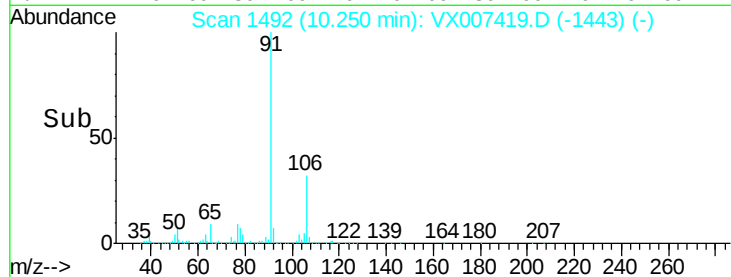
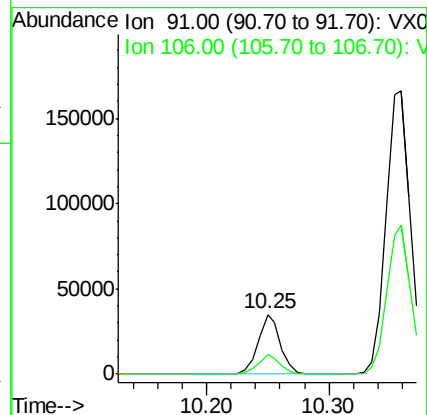
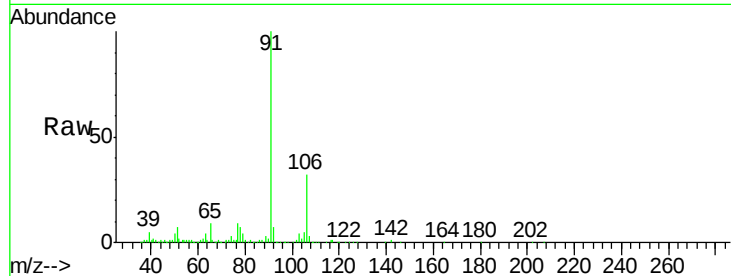
ClientSampled :

Tot Ion: 91 Resp: 44741

Ion Ratio Lower Upper

91 100

106 32.4 25.4 38.0



#68

m/p-Xylenes

Concen: 11.139 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007419.D

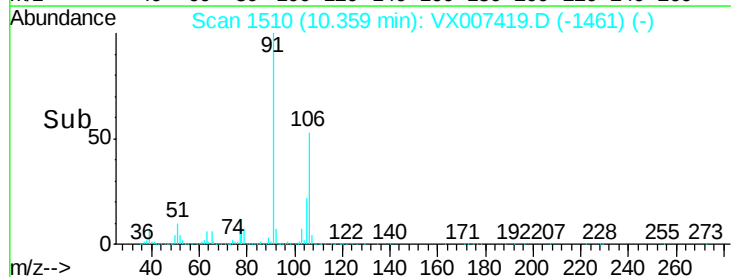
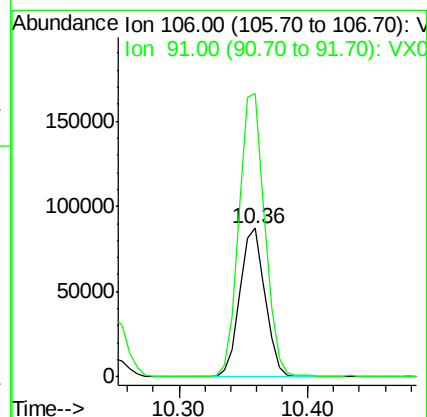
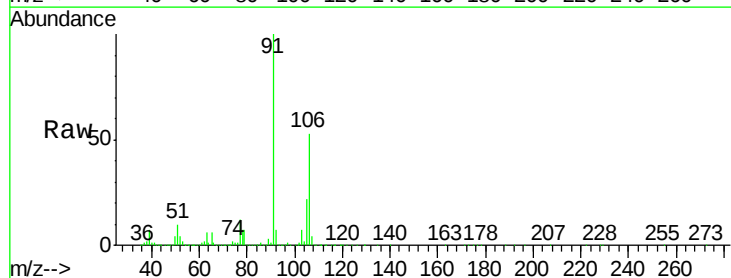
Acq: 07 Feb 2019 12:29

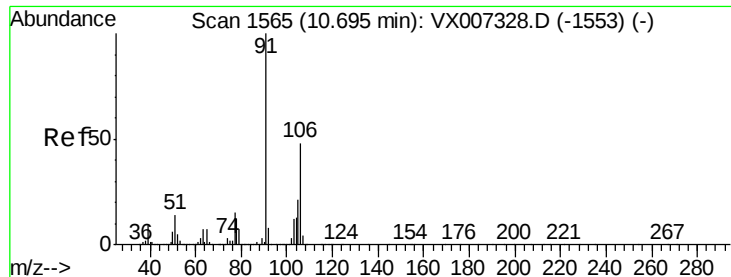
Tgt Ion: 106 Resp: 119506

Ion Ratio Lower Upper

106 100

91 194.5 156.6 234.8

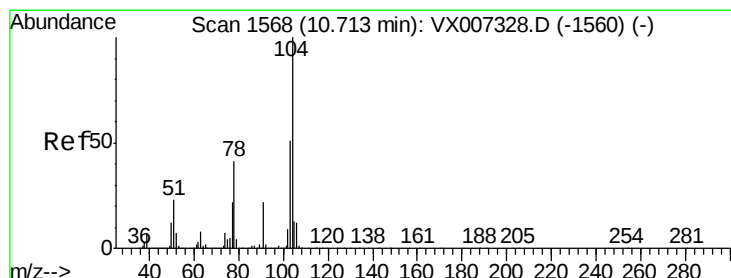
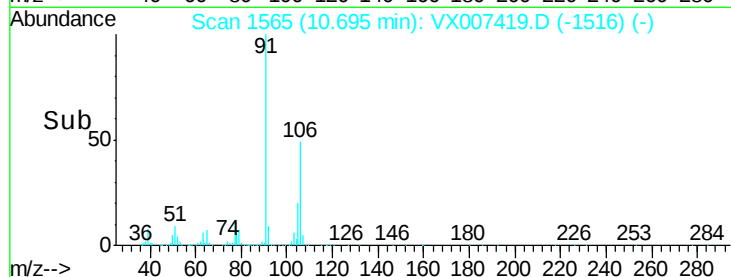
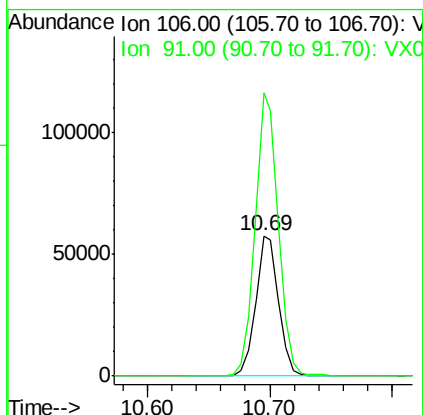
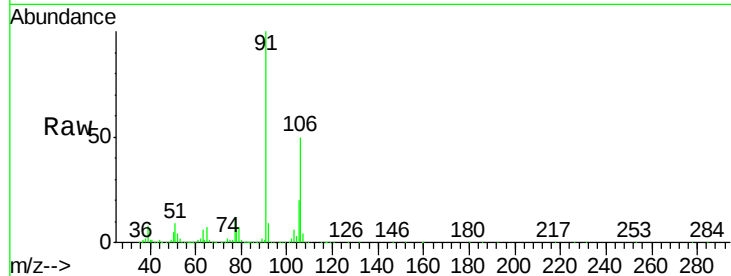




#69  
o-Xylene  
Concen: 7.280 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: VX007419.D  
Acq: 07 Feb 2019 12:29

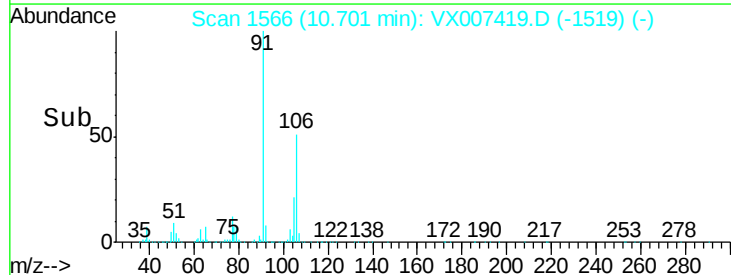
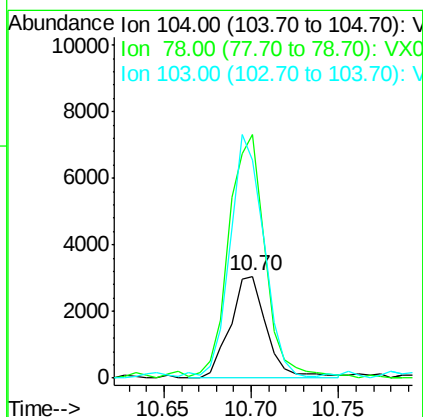
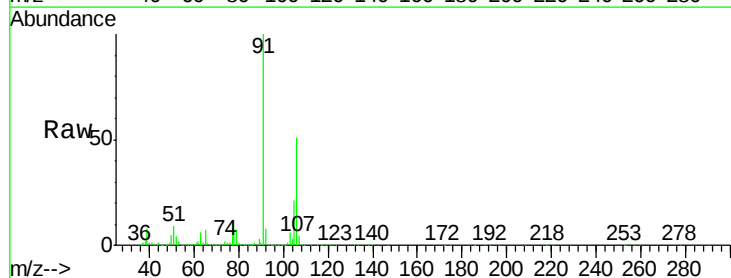
Instrument :  
MSVOA\_X  
ClientSampled :

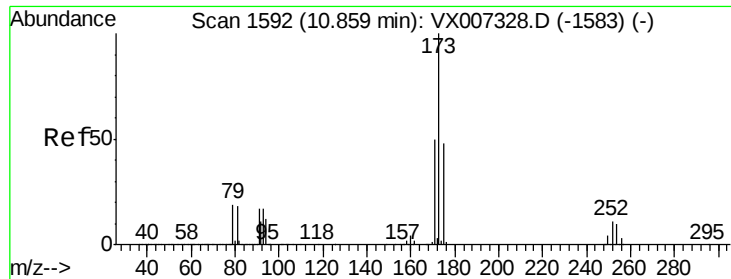
Tot Ion:106 Resp: 75163  
Ion Ratio Lower Upper  
106 100  
91 203.5 102.9 308.7



#70  
Styrene  
Concen: 0.263 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.01 min  
Lab File: VX007419.D  
Acq: 07 Feb 2019 12:29

Tgt Ion:104 Resp: 4408  
Ion Ratio Lower Upper  
104 100  
78 243.4 38.3 57.5#  
103 218.2 44.6 67.0#





#71

Bromoform

Concen: 4.046 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

ClientSampled :

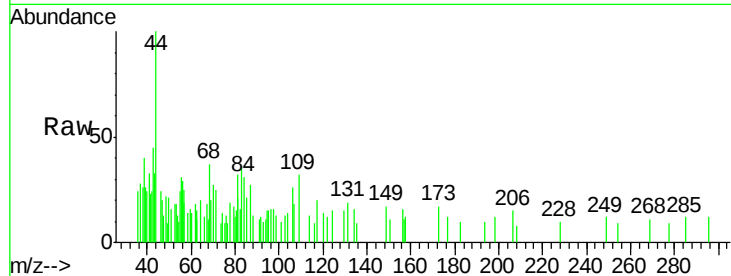
Tot Ion:173 Resp: 90

Ion Ratio Lower Upper

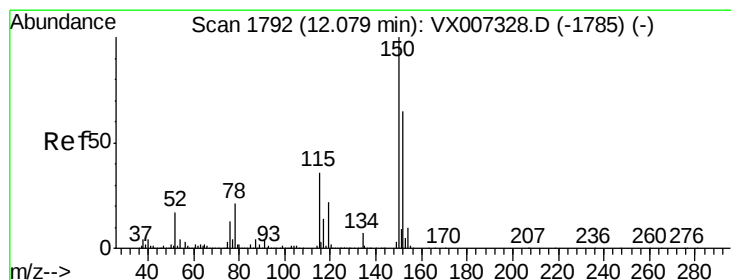
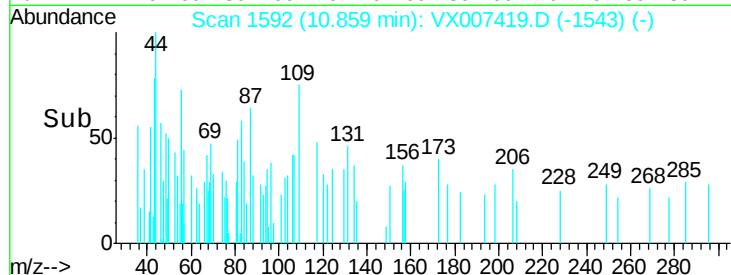
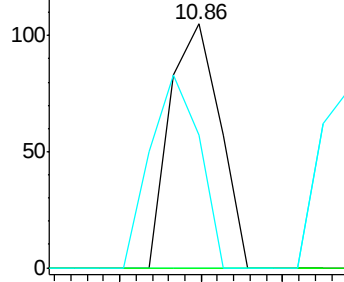
173 100

175 0.0 24.2 72.6#

254 77.8 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

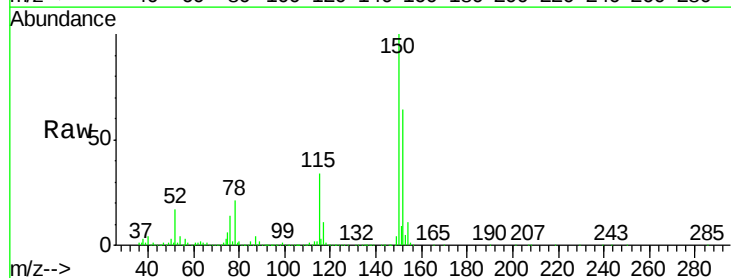
Tgt Ion:152 Resp: 385772

Ion Ratio Lower Upper

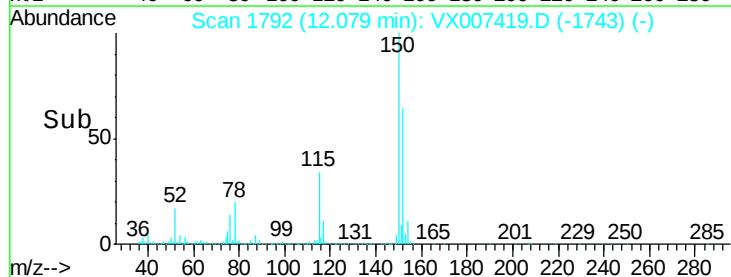
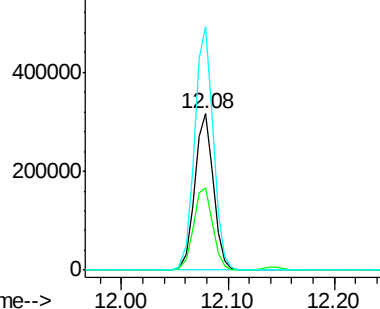
152 100

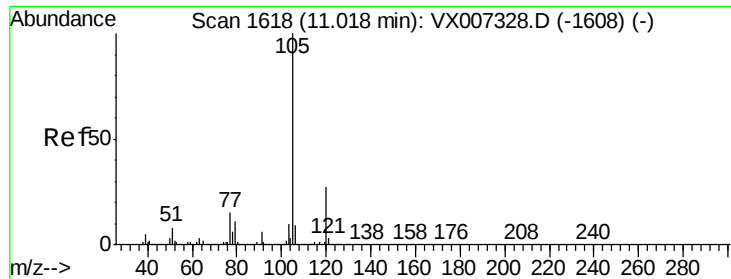
115 53.9 38.0 114.0

150 156.1 0.0 346.4



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: 0.209 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

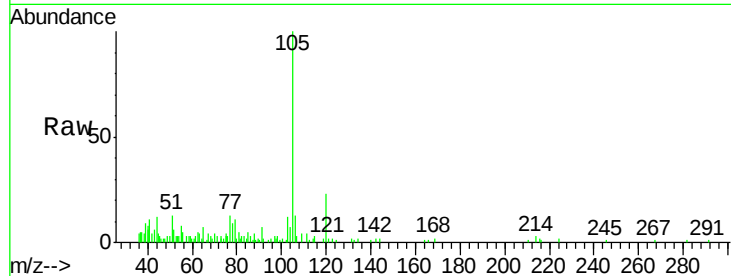
ClientSampleId :

Tot Ion:105 Resp: 5467

Ion Ratio Lower Upper

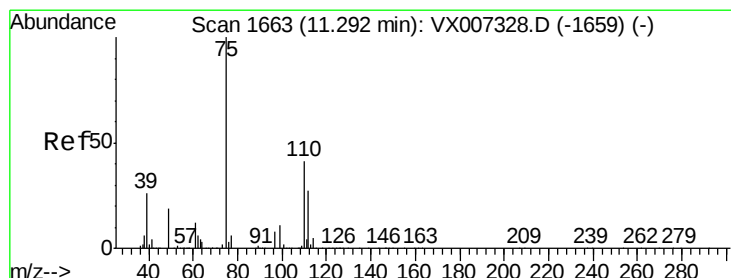
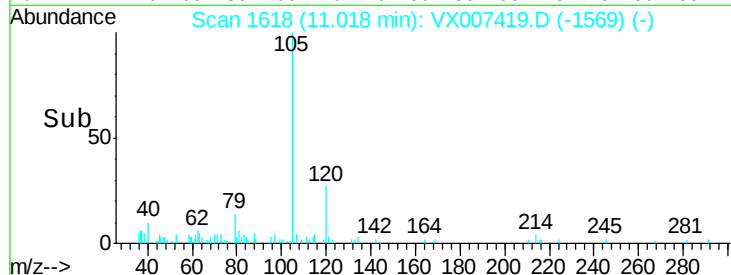
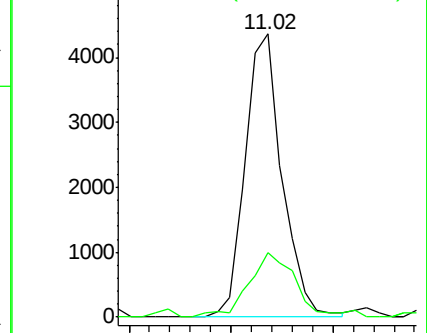
105 100

120 29.3 13.6 40.7



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: 22.596 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007419.D

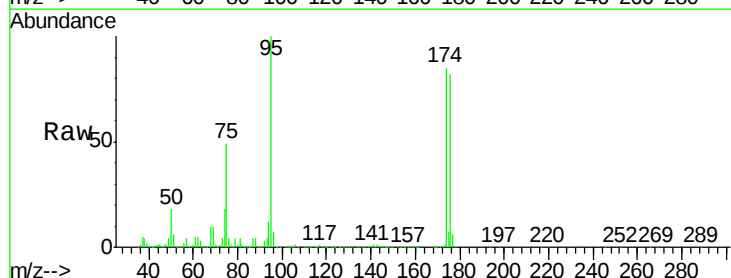
Acq: 07 Feb 2019 12:29

Tgt Ion: 75 Resp: 169556

Ion Ratio Lower Upper

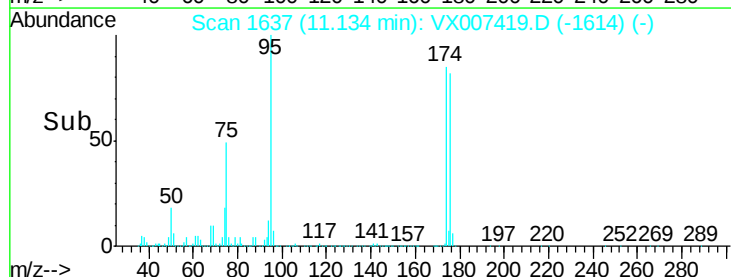
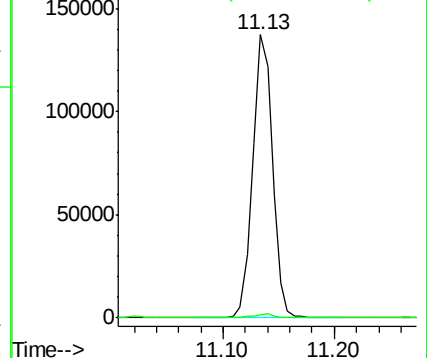
75 100

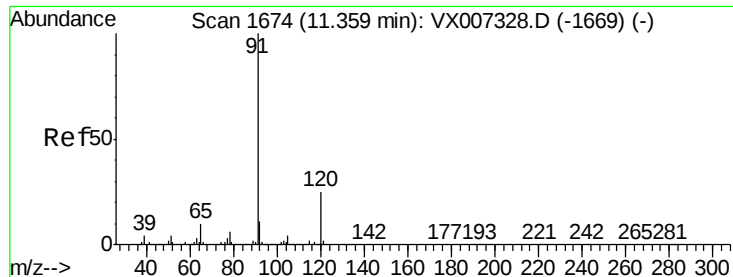
77 1.5 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.471 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

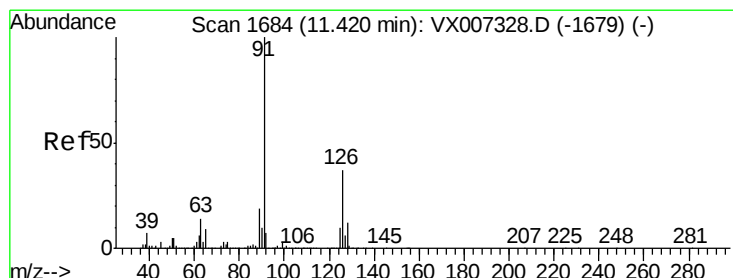
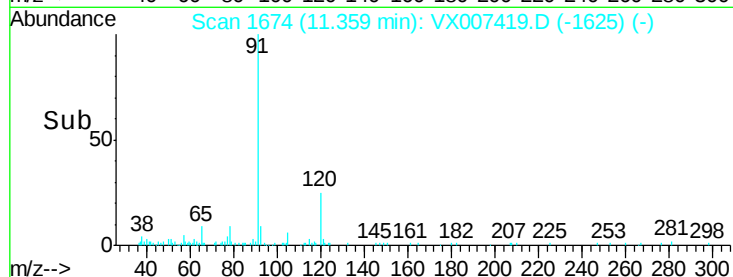
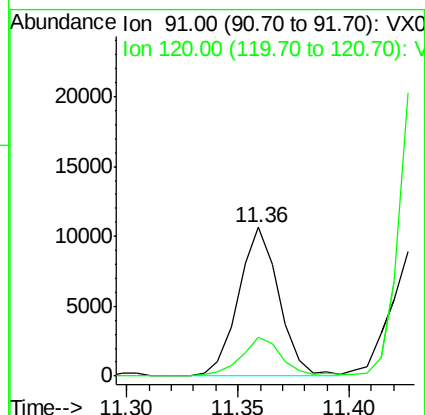
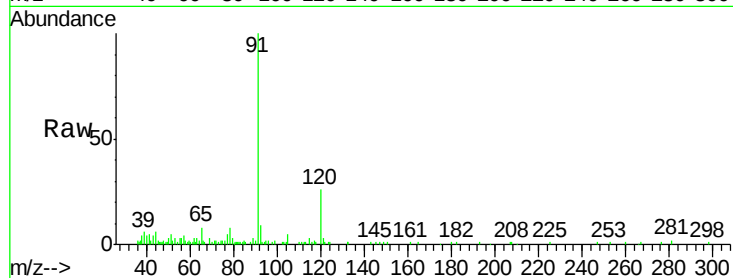
ClientSampled :

Tot Ion: 91 Resp: 13530

Ion Ratio Lower Upper

91 100

120 26.6 12.4 37.2



#79

2-Chlorotoluene

Concen: 1.170 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX007419.D

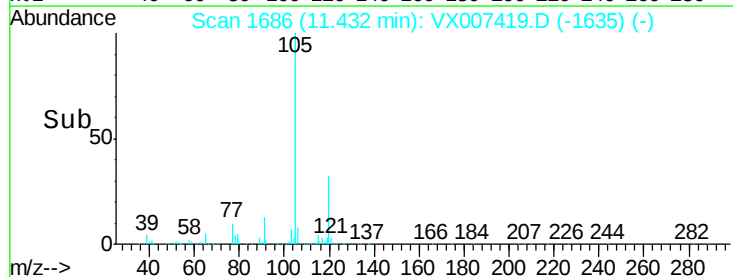
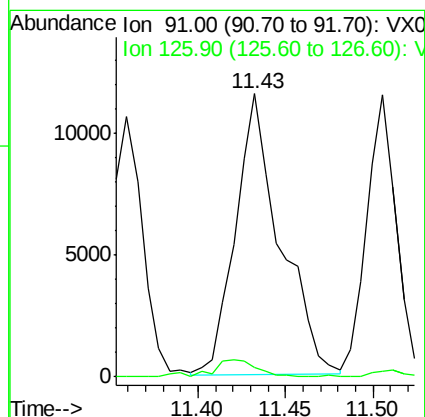
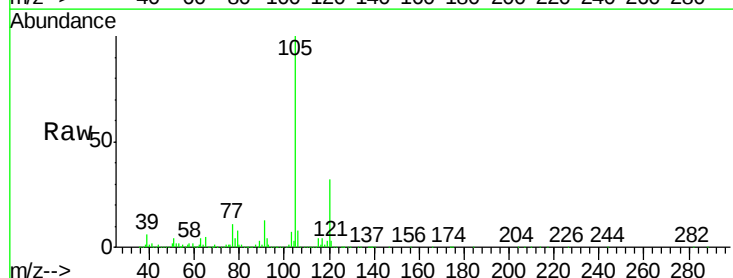
Acq: 07 Feb 2019 12:29

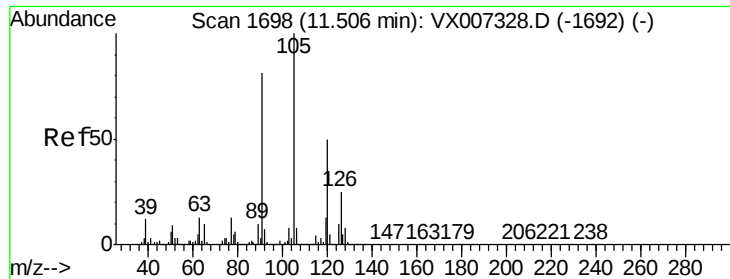
Tgt Ion: 91 Resp: 20413

Ion Ratio Lower Upper

91 100

126 5.7 18.7 56.1#

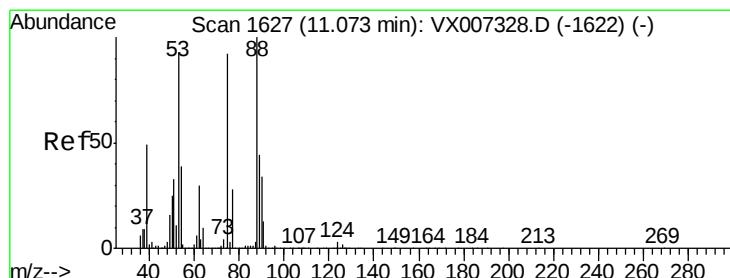
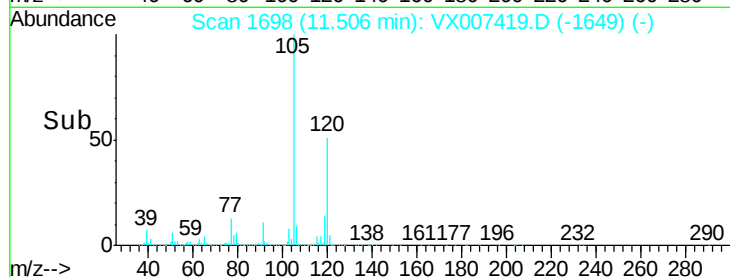
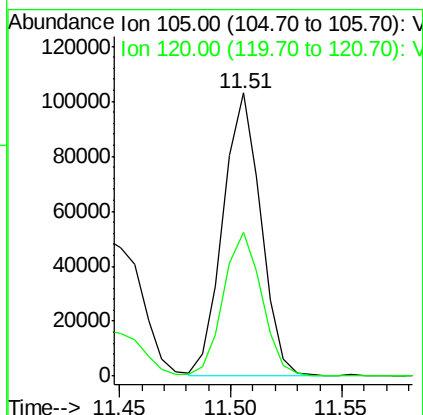
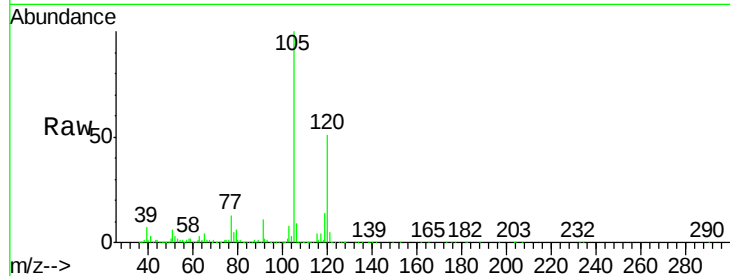




#80  
 1,3,5-Trimethylbenzene  
 Concen: 5.647 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. -0.00 min  
 Lab File: VX007419.D  
 Acq: 07 Feb 2019 12:29

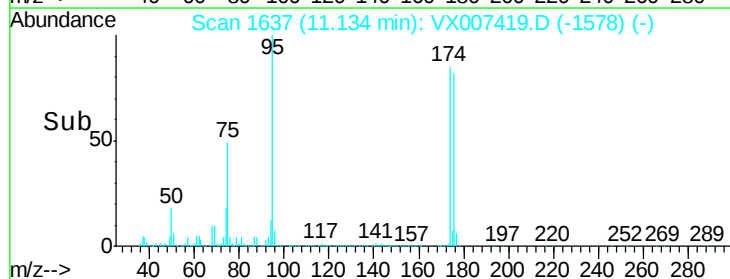
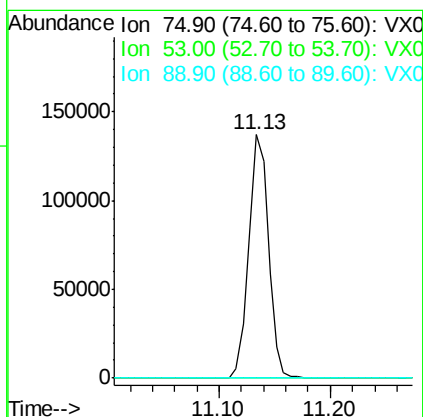
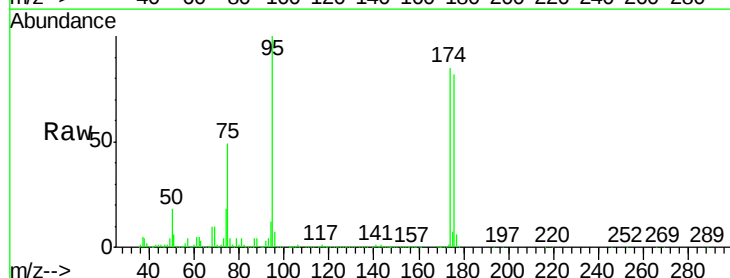
Instrument :  
 MSVOA\_X  
 ClientSampleId :

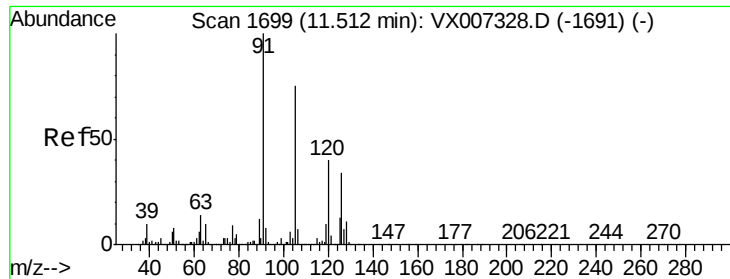
Tot Ion:105 Resp: 121119  
 Ion Ratio Lower Upper  
 105 100  
 120 51.3 25.3 75.8



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 68.165 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.06 min  
 Lab File: VX007419.D  
 Acq: 07 Feb 2019 12:29

Tgt Ion: 75 Resp: 169556  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 81.0 121.6#  
 89 0.2 41.4 62.0#





#82

4-Chlorotoluene

Concen: 0.664 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

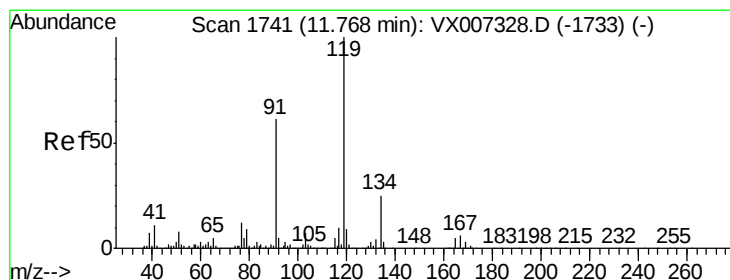
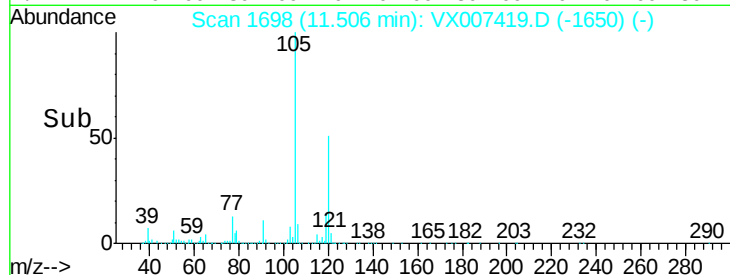
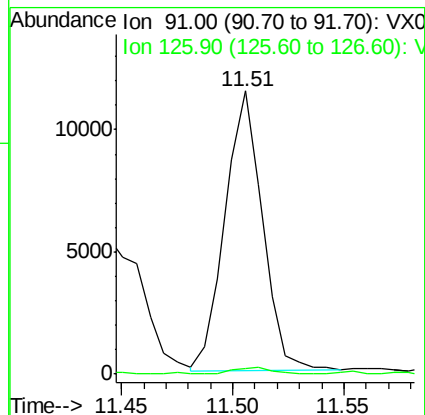
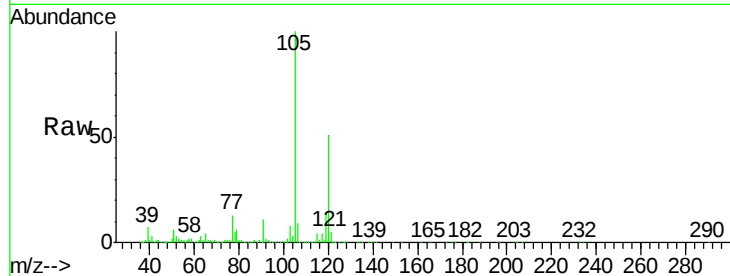
ClientSampleId :

Tot Ion: 91 Resp: 13402

Ion Ratio Lower Upper

91 100

126 2.5 16.2 48.5#



#83

tert-Butylbenzene

Concen: 0.410 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

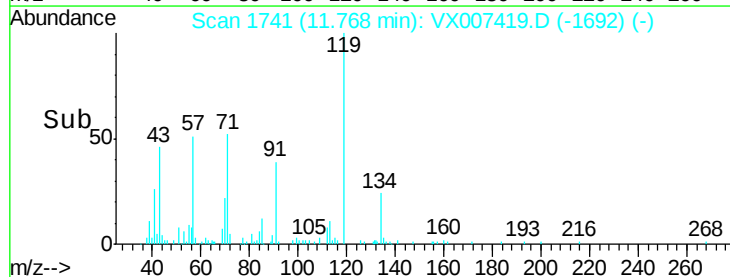
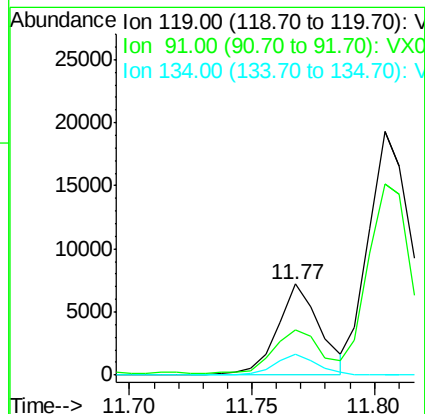
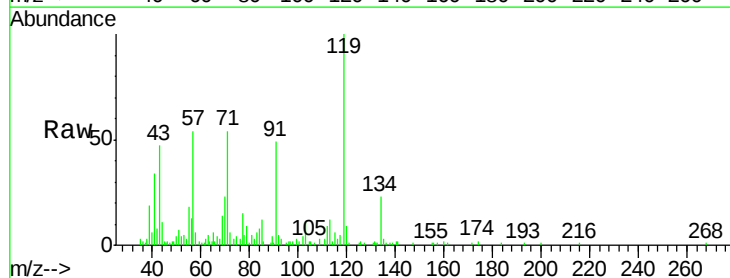
Tgt Ion: 119 Resp: 8697

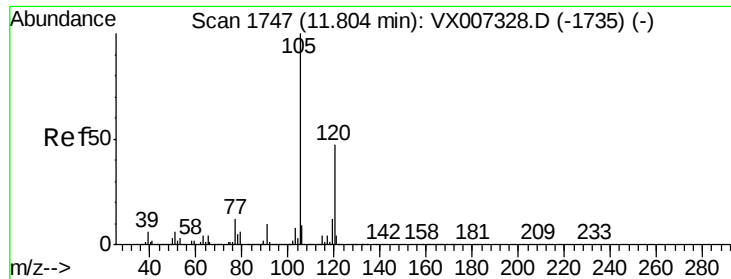
Ion Ratio Lower Upper

119 100

91 54.2 28.5 85.6

134 22.2 12.0 36.0





#84

1,2,4-Trimethylbenzene

Concen: 8.585 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

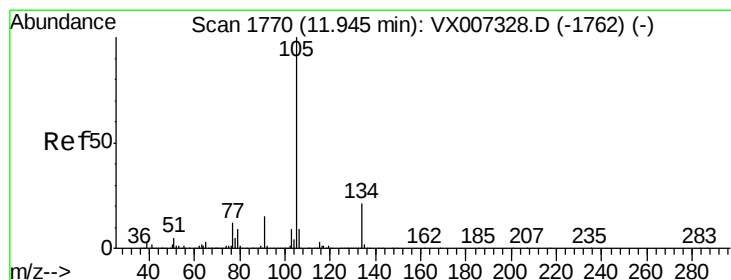
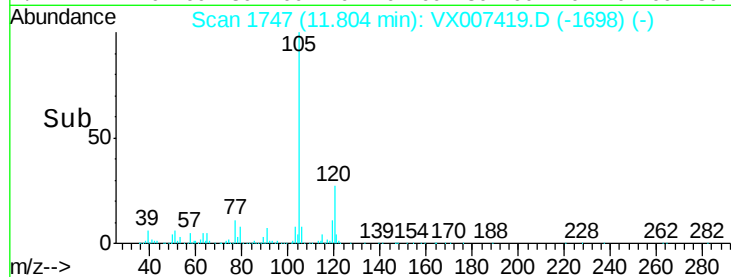
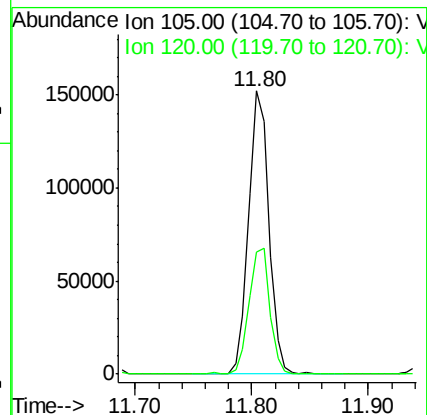
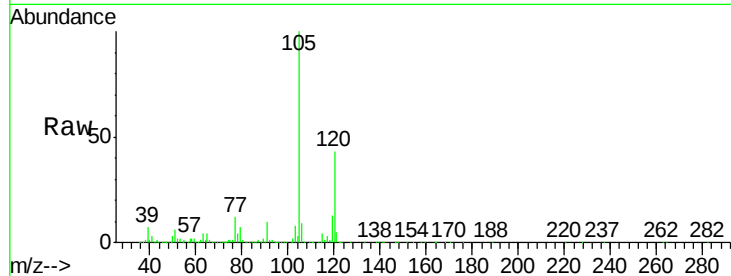
ClientSampleId :

Tot Ion:105 Resp: 186922

Ion Ratio Lower Upper

105 100

120 46.1 23.1 69.3



#85

sec-Butylbenzene

Concen: 7.273 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX007419.D

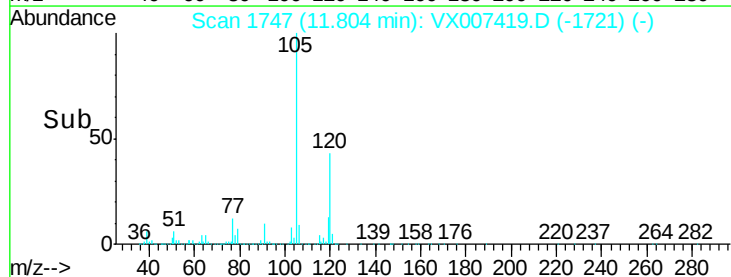
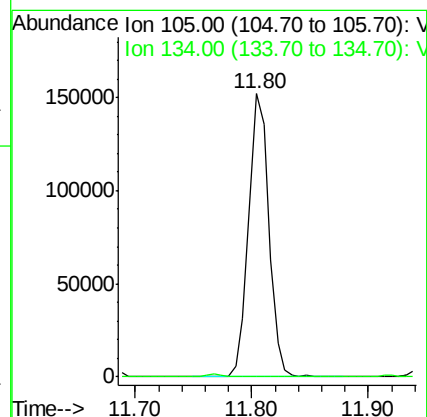
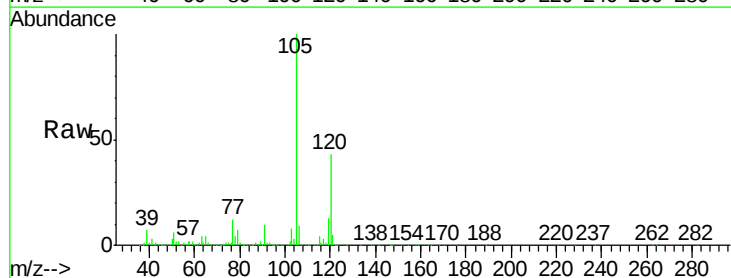
Acq: 07 Feb 2019 12:29

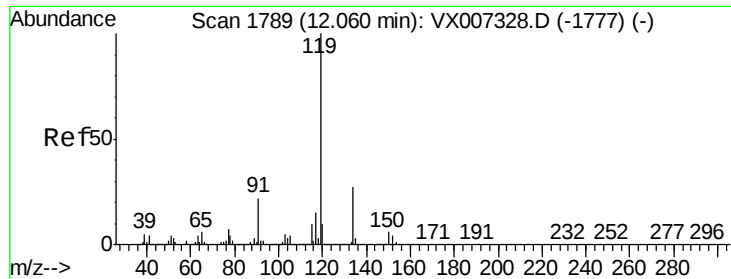
Tgt Ion:105 Resp: 186922

Ion Ratio Lower Upper

105 100

134 0.0 10.6 31.8#





#86

p-Isopropyltoluene

Concen: 0.611 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

ClientSampleId :

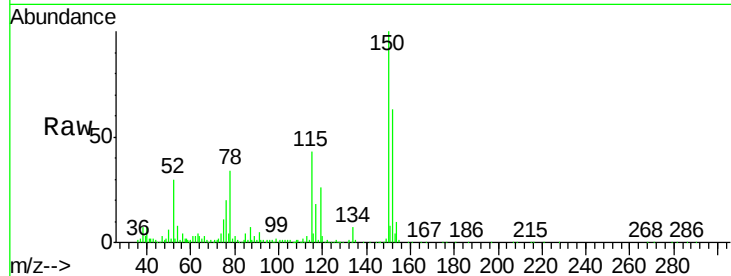
Tot Ion:119 Resp: 14178

Ion Ratio Lower Upper

119 100

134 32.7 13.7 41.1

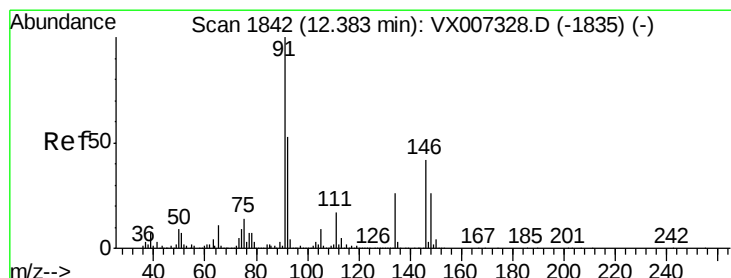
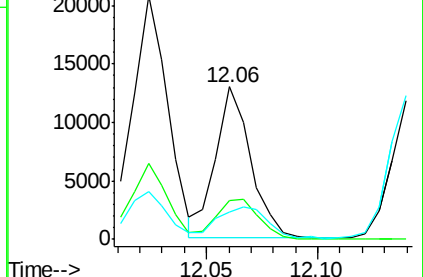
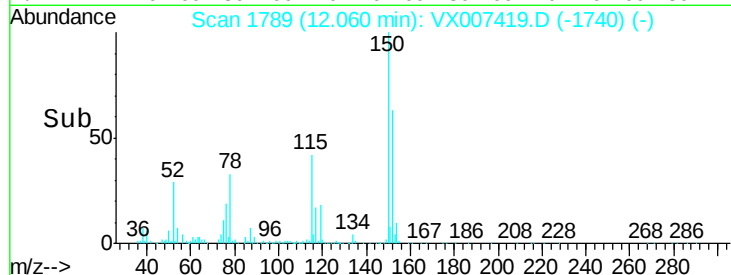
91 30.6 11.2 33.5



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): V



#89

n-Butylbenzene

Concen: 1.195 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

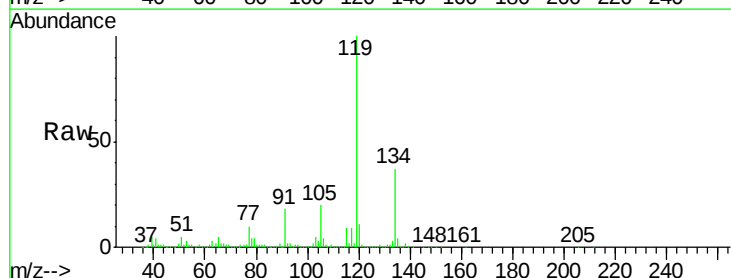
Tgt Ion: 91 Resp: 23858

Ion Ratio Lower Upper

91 100

92 21.2 26.3 78.9#

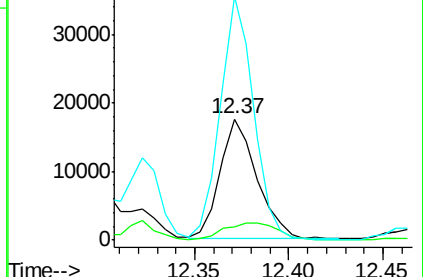
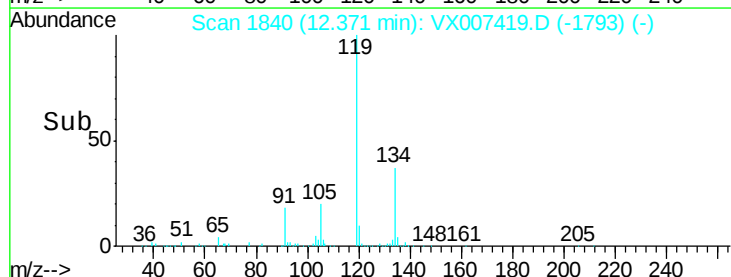
134 182.9 13.9 41.6#

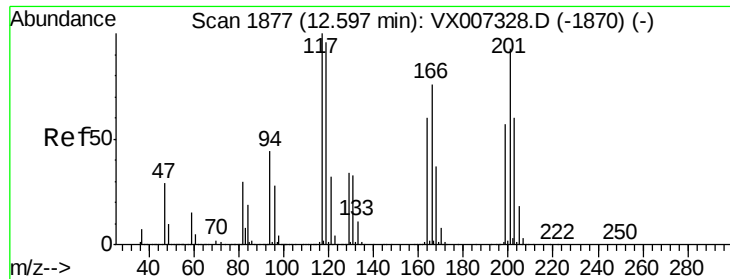


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.914 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

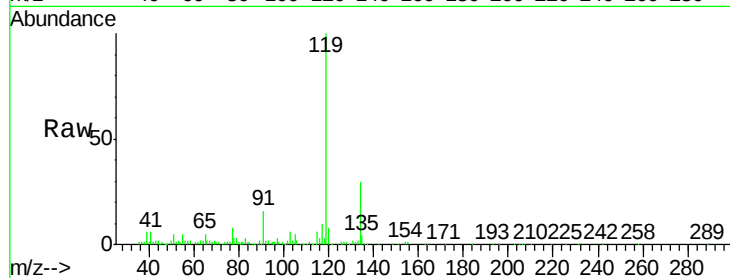
ClientSampleId :

Tot Ion:117 Resp: 3175

Ion Ratio Lower Upper

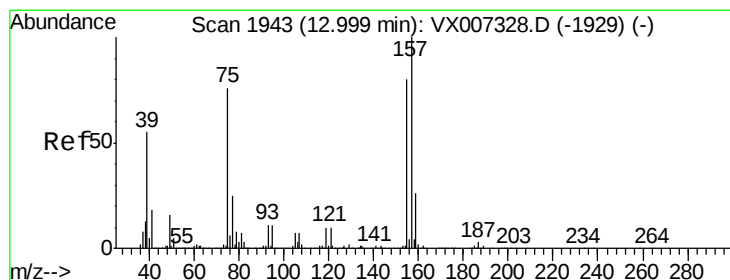
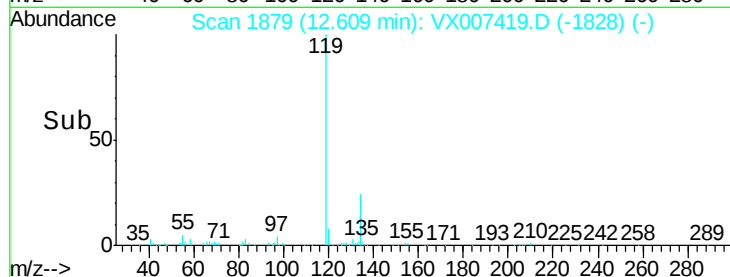
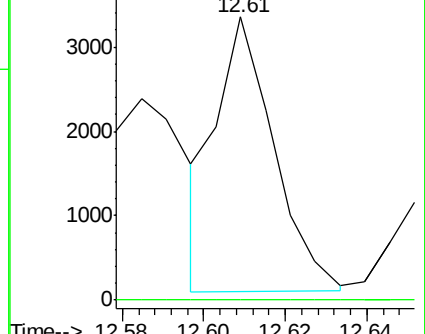
117 100

201 0.0 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.583 ug/l

RT: 13.02 min Scan# 1947

Delta R.T. 0.02 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

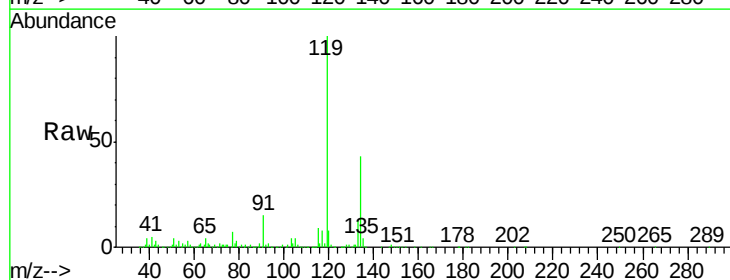
Tgt Ion: 75 Resp: 968

Ion Ratio Lower Upper

75 100

155 2.1 49.6 149.0#

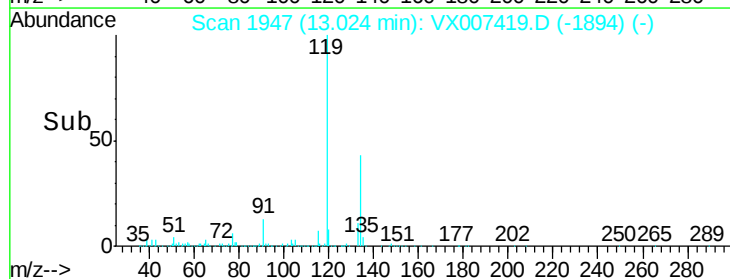
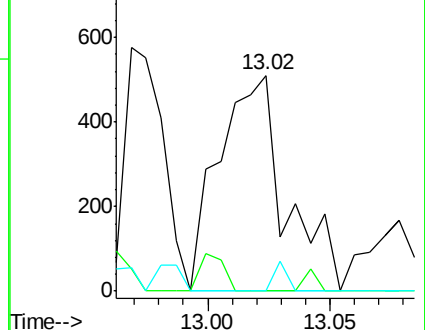
157 2.7 65.1 195.3#

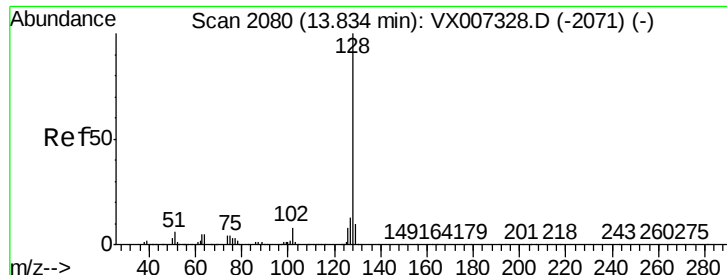


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 2.248 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA\_X

ClientSampleId :

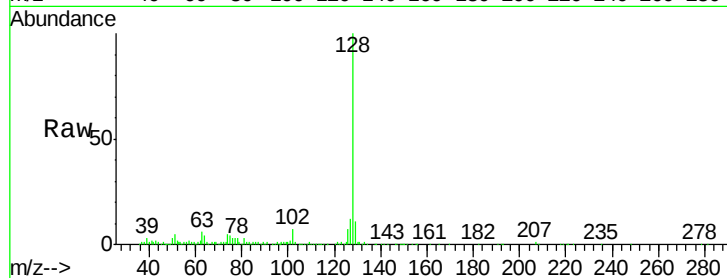
Tot Ion:128 Resp: 58498

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 12.9 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

