

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\  
 Data File : VX007139.D  
 Acq On : 18 Jan 2019 17:08  
 Operator : JC/SP  
 Sample : K1195-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS038RW016-190116

Quant Time: Jan 18 21:52:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 559526   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 858693   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 805094   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 401389   | 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   | 292624   | 50.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.08% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 263804   | 47.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.94%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1031283  | 51.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.48% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 372919   | 53.14 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.28% |          |

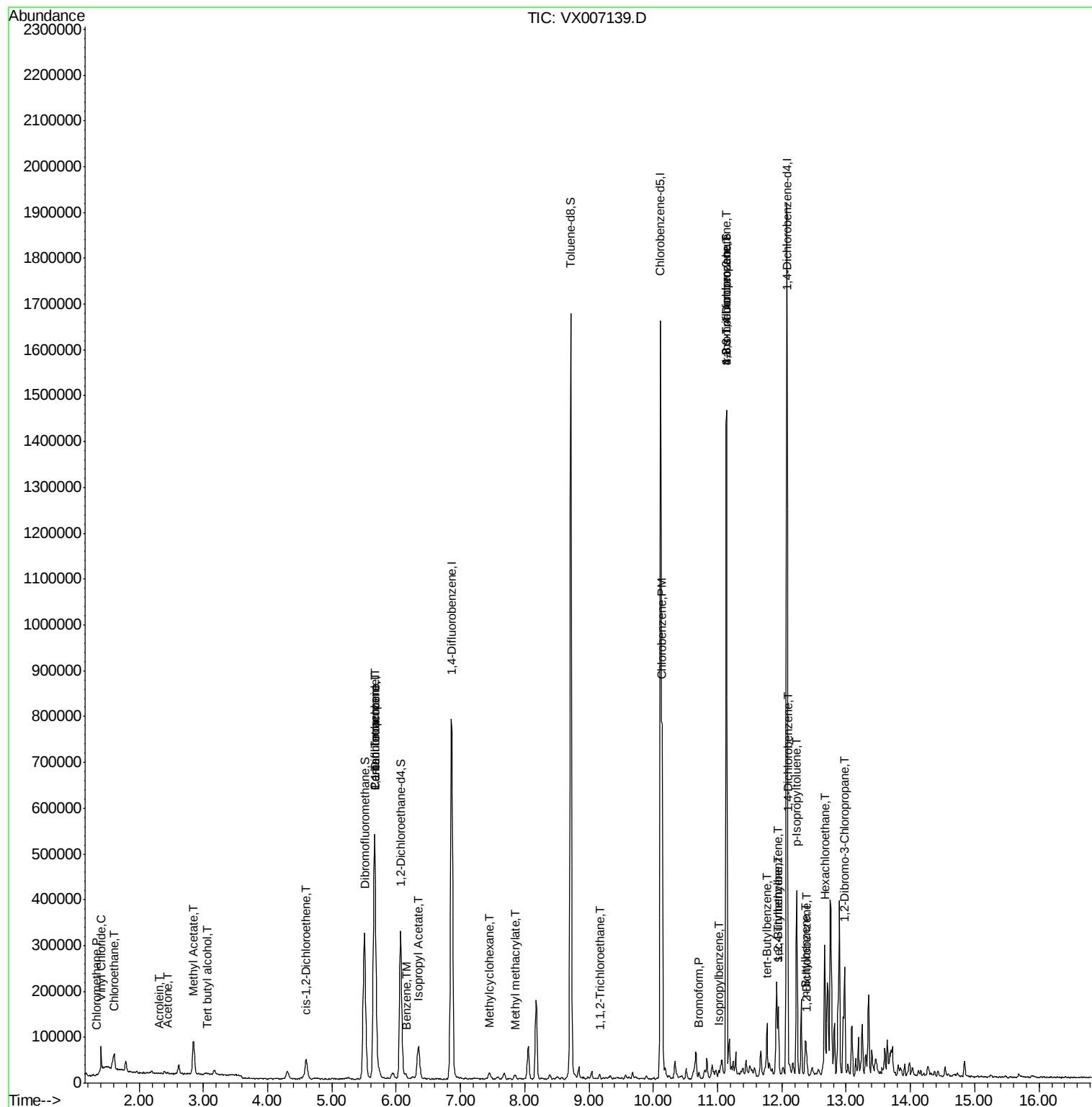
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.33  | 50   | 1780     | 0.333     | ug/l # | 68     |
| 4) Vinyl Chloride              | 1.41  | 62   | 32069    | 5.573     | ug/l # | 80     |
| 6) Chloroethane                | 1.60  | 64   | 17094    | 4.255     | ug/l # | 52     |
| 11) Tert butyl alcohol         | 3.06  | 59   | 3430     | 2.487     | ug/l   | 96     |
| 13) Acrolein                   | 2.31  | 56   | 530      | 3.964     | ug/l # | 13     |
| 16) Acetone                    | 2.45  | 43   | 3738     | 1.293     | ug/l # | 82     |
| 18) Methyl Acetate             | 2.85  | 43   | 49157    | 5.872     | ug/l # | 53     |
| 20) Methylene Chloride         | 2.86  | 84   | 1157     | Below Cal | #      | 65     |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96   | 28496    | 4.508     | ug/l   | 88     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 35592    | 4.767     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 48820    | 6.500     | ug/l # | 14     |
| 39) Methylcyclohexane          | 7.45  | 83   | 4287     | 0.450     | ug/l # | 75     |
| 40) Benzene                    | 6.15  | 78   | 12889    | 0.566     | ug/l # | 77     |
| 43) Isopropyl Acetate          | 6.35  | 43   | 18474    | 1.463     | ug/l # | 60     |
| 48) Methyl methacrylate        | 7.84  | 41   | 1651     | 0.255     | ug/l # | 60     |
| 49) 1,4-Dioxane                | 7.71  | 88   | 52       | Below Cal | #      | 1      |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 3853     | 0.657     | ug/l # | 24     |
| 65) Chlorobenzene              | 10.14 | 112  | 323397   | 18.417    | ug/l   | 97     |
| 71) Bromoform                  | 10.70 | 173  | 213      | 4.764     | ug/l # | 28     |
| 73) Isopropylbenzene           | 11.02 | 105  | 7896     | 0.279     | ug/l   | 97     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 177958   | 21.878    | ug/l # | 40     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 177958   | 64.813    | ug/l # | 10     |
| 83) tert-Butylbenzene          | 11.77 | 119  | 40317    | 1.709     | ug/l   | 88     |
| 84) 1,2,4-Trimethylbenzene     | 11.94 | 105  | 69809    | 2.935     | ug/l # | 31     |
| 85) sec-Butylbenzene           | 11.94 | 105  | 69809    | 2.477     | ug/l # | 55     |
| 86) p-Isopropyltoluene         | 12.23 | 119  | 178181   | 7.069     | ug/l   | 98     |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 7159     | 0.679     | ug/l # | 42     |
| 89) n-Butylbenzene             | 12.38 | 91   | 4484     | 0.209     | ug/l # | 37     |
| 90) Hexachloroethane           | 12.67 | 117  | 13584    | 6.088     | ug/l # | 6      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 5380     | 0.387     | ug/l   | 94     |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 1286     | 0.724     | ug/l # | 1      |

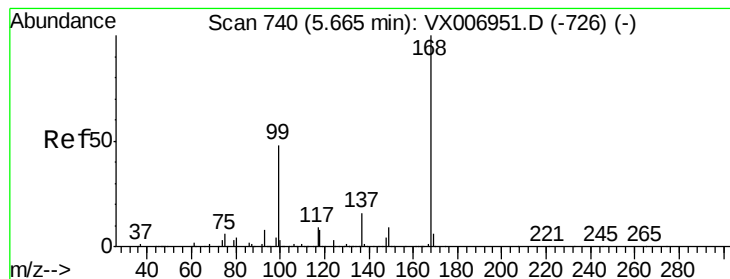
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011819\  
Data File : VX007139.D  
Acq On : 18 Jan 2019 17:08  
Operator : JC/SP  
Sample : K1195-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW016-190116

Quant Time: Jan 18 21:52:59 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 08 14:06:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

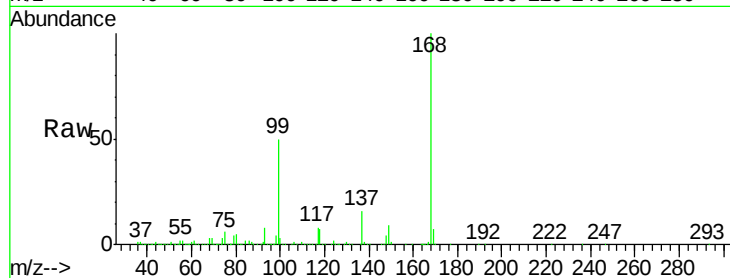
SS038RW016-190116

Tot Ion:168 Resp: 559526

Ion Ratio Lower Upper

168 100

99 49.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

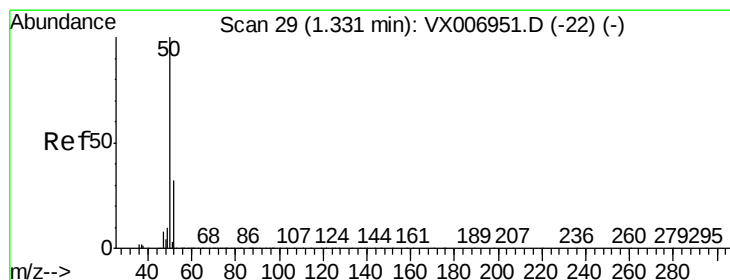
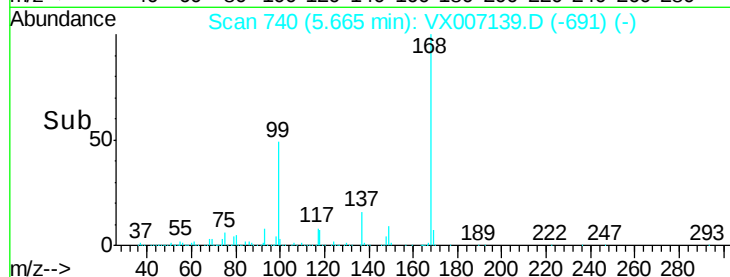
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.333 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007139.D

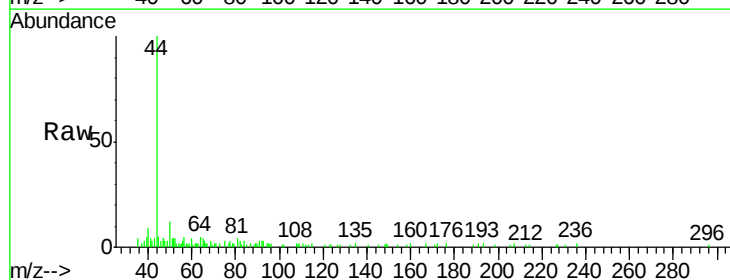
Acq: 18 Jan 2019 17:08

Tgt Ion: 50 Resp: 1780

Ion Ratio Lower Upper

50 100

52 49.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

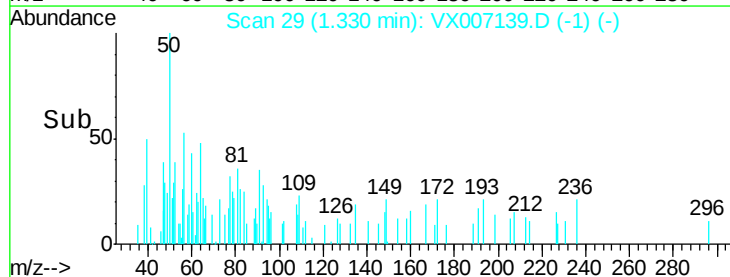
600

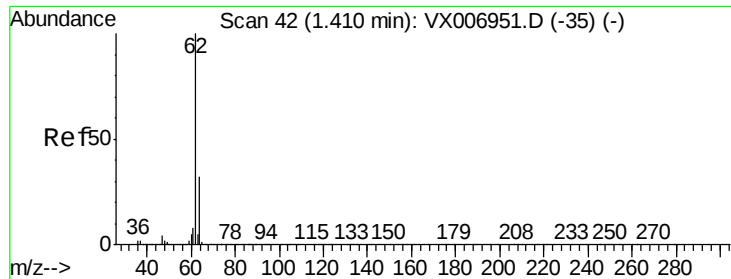
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 5.573 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

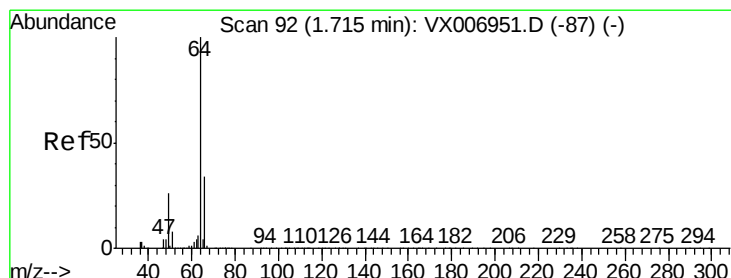
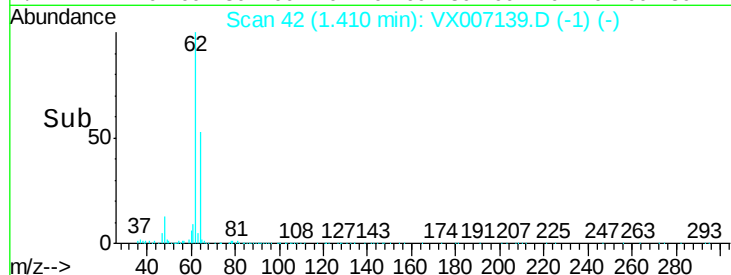
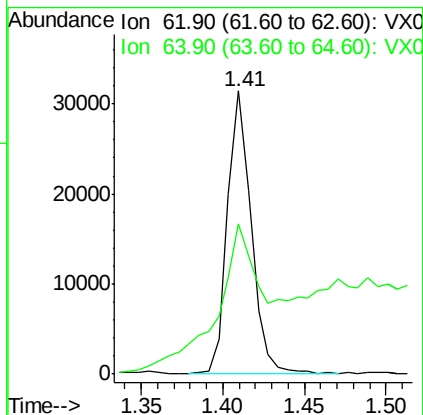
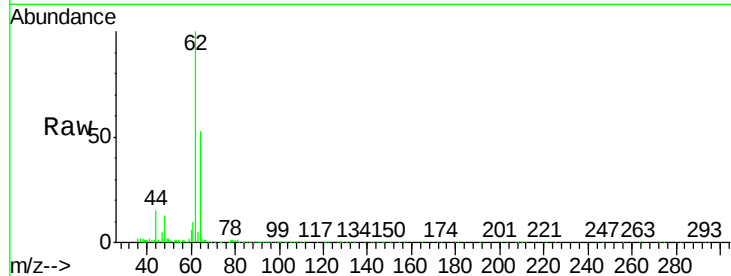
SS038RW016-190116

Tot Ion: 62 Resp: 32069

Ion Ratio Lower Upper

62 100

64 42.5 25.1 37.7#



#6

Chloroethane

Concen: 4.255 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX007139.D

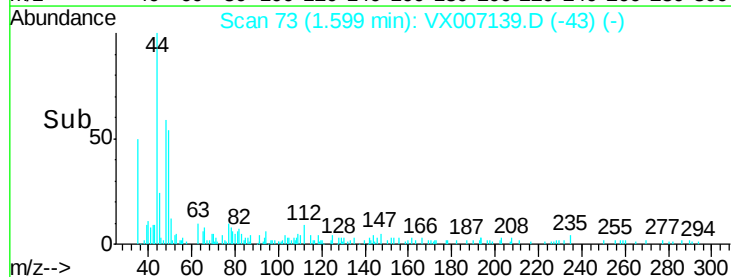
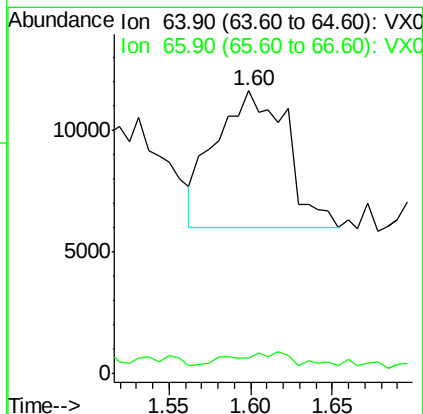
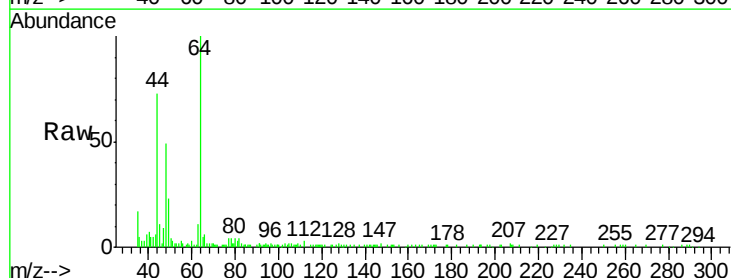
Acq: 18 Jan 2019 17:08

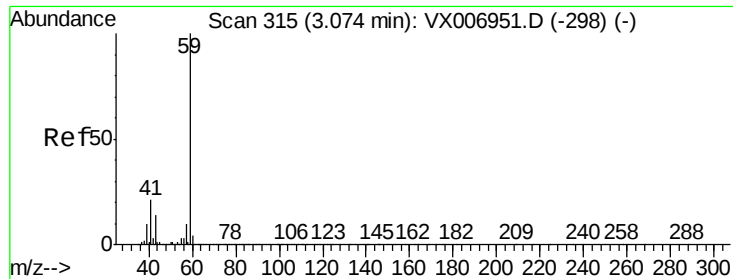
Tgt Ion: 64 Resp: 17094

Ion Ratio Lower Upper

64 100

66 5.8 26.4 39.6#



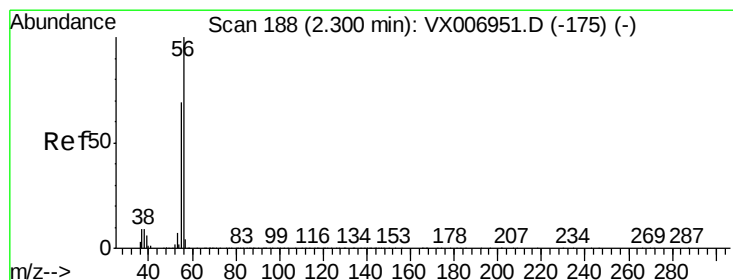
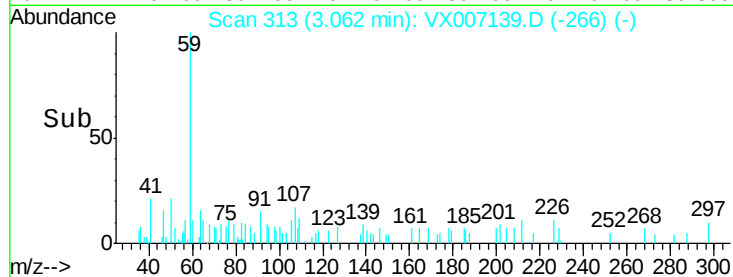
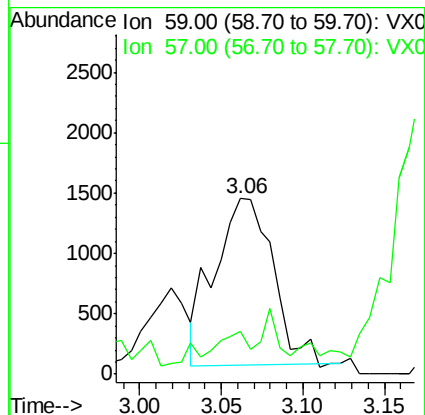
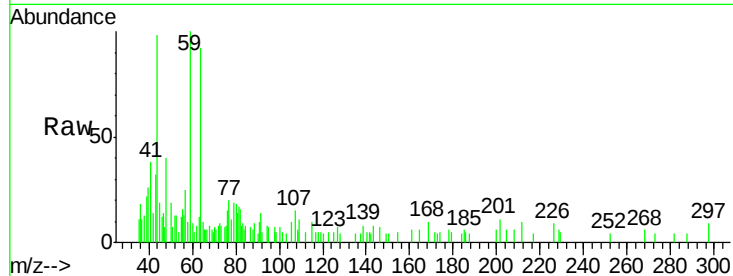


#11

Tert butyl alcohol  
 Concen: 2.487 ug/l  
 RT: 3.06 min Scan# 313  
 Delta R.T. -0.01 min  
 Lab File: VX007139.D  
 Acq: 18 Jan 2019 17:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS038RW016-190116

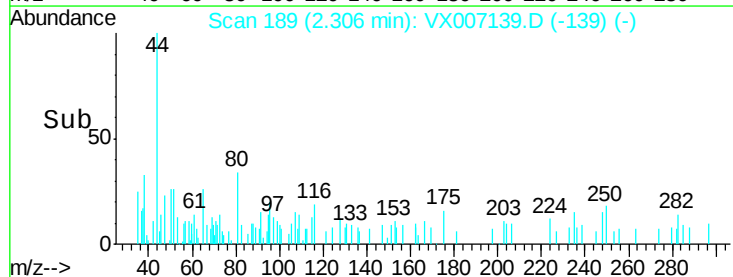
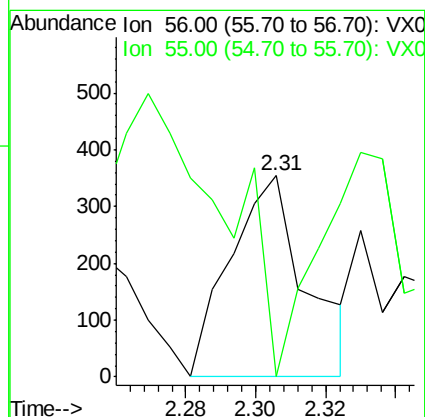
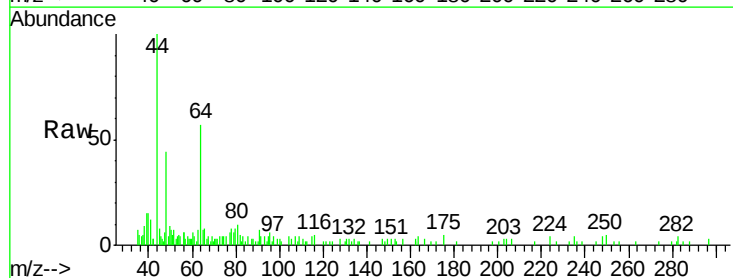
Tot Ion: 59 Resp: 3430  
 Ion Ratio Lower Upper  
 59 100  
 57 12.0 8.5 12.7

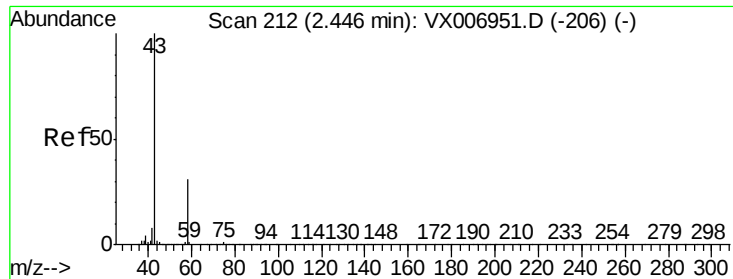


#13

Acrolein  
 Concen: 3.964 ug/l  
 RT: 2.31 min Scan# 189  
 Delta R.T. 0.01 min  
 Lab File: VX007139.D  
 Acq: 18 Jan 2019 17:08

Tgt Ion: 56 Resp: 530  
 Ion Ratio Lower Upper  
 56 100  
 55 0.0 58.2 87.4#

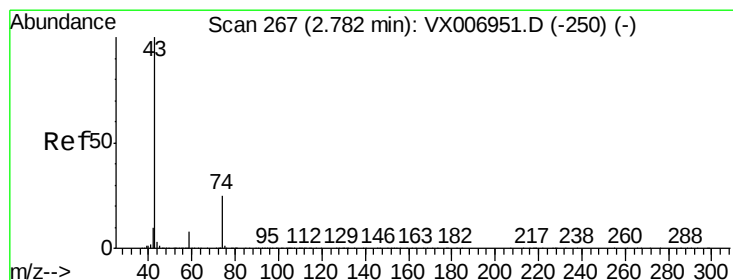
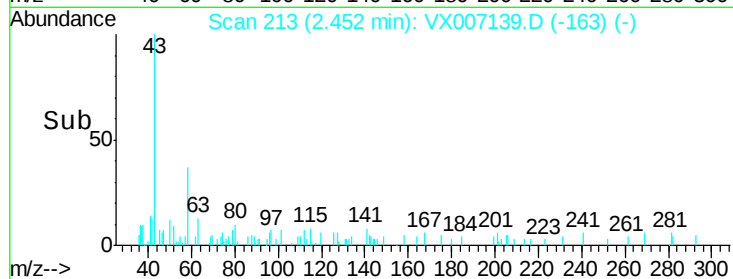
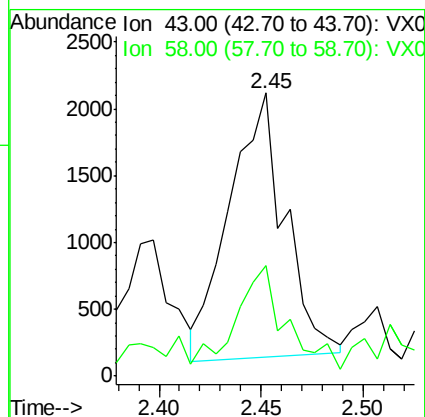
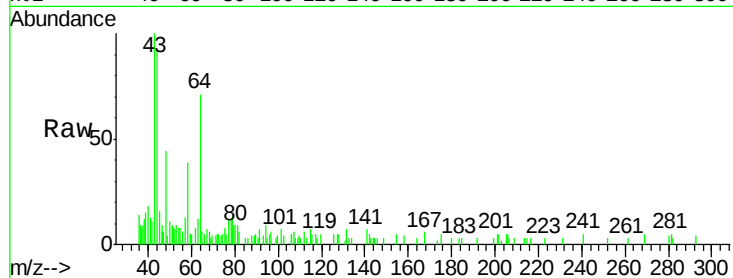




#16  
Acetone  
Concen: 1.293 ug/l  
RT: 2.45 min Scan# 213  
Delta R.T. 0.01 min  
Lab File: VX007139.D  
Acq: 18 Jan 2019 17:08

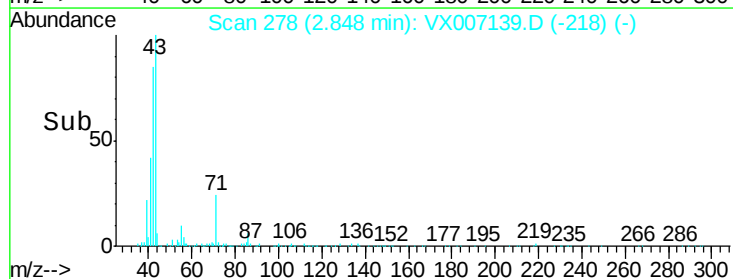
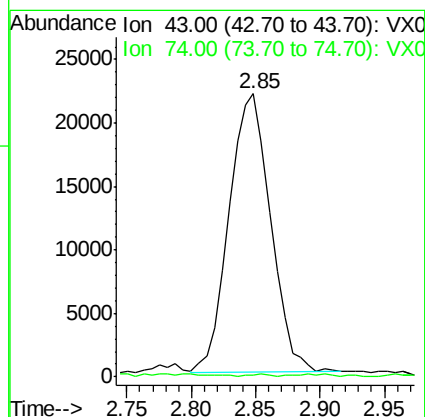
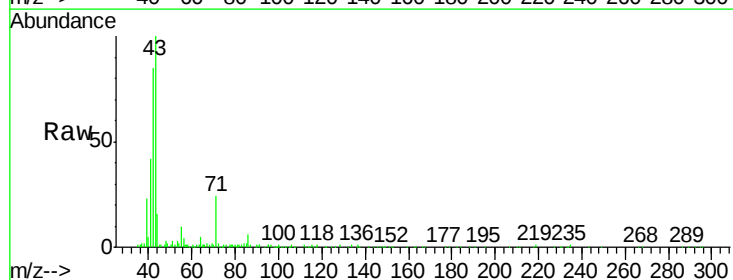
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW016-190116

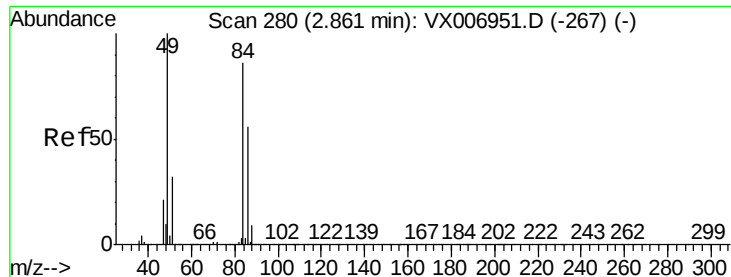
Tot Ion: 43 Resp: 3738  
Ion Ratio Lower Upper  
43 100  
58 41.0 25.0 37.6#



#18  
Methyl Acetate  
Concen: 5.872 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. 0.07 min  
Lab File: VX007139.D  
Acq: 18 Jan 2019 17:08

Tgt Ion: 43 Resp: 49157  
Ion Ratio Lower Upper  
43 100  
74 0.5 18.6 28.0#





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

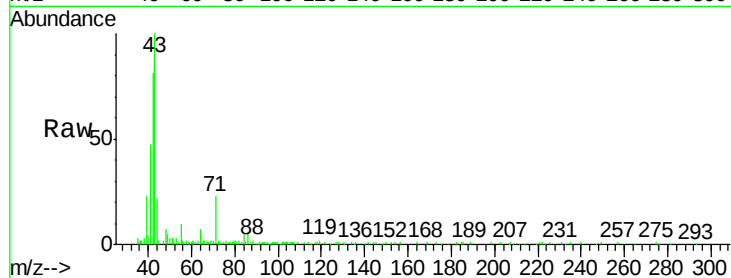
MSVOA\_X

ClientSampleId :

SS038RW016-190116

Tot Ion: 84 Resp: 1157

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 91.9  | 91.8  | 137.6 |
| 51  | 50.7  | 28.5  | 42.7# |
| 86  | 112.9 | 50.2  | 75.2# |

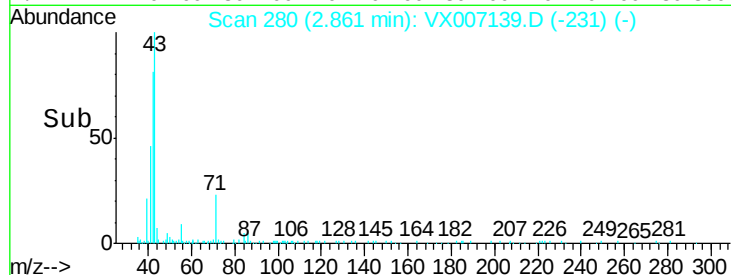


Abundance Ion 83.90 (83.60 to 84.60): VX0

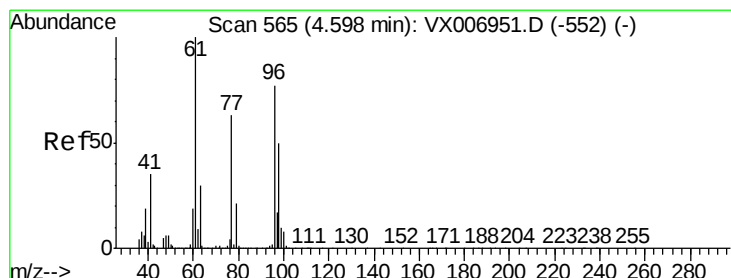
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 4.508 ug/l

RT: 4.60 min Scan# 566

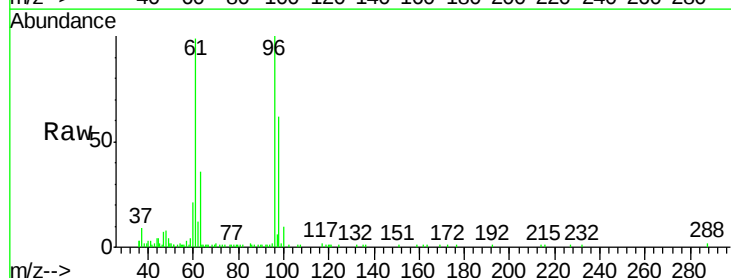
Delta R.T. 0.01 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Tgt Ion: 96 Resp: 28496

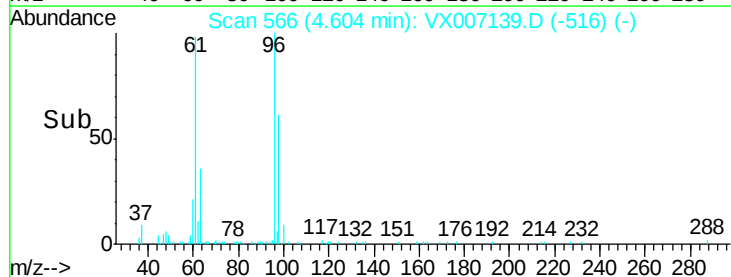
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 109.3 | 0.0   | 258.6 |
| 98  | 65.1  | 0.0   | 132.0 |



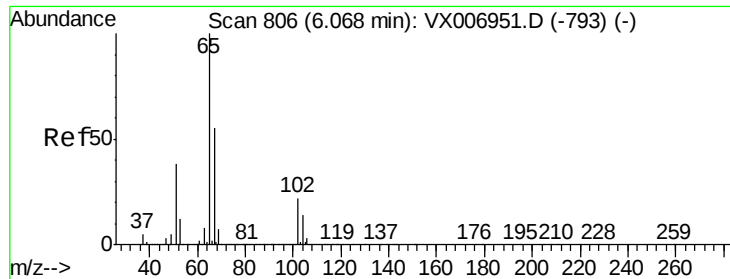
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.042 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

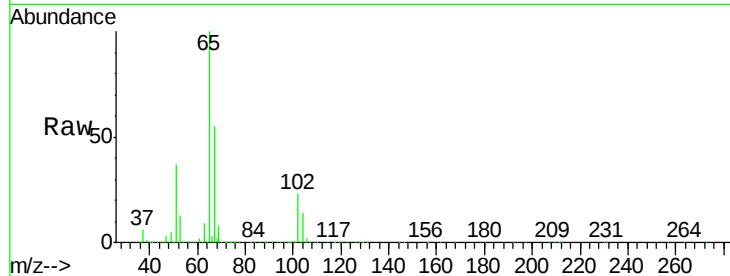
SS038RW016-190116

Tot Ion: 65 Resp: 292624

Ion Ratio Lower Upper

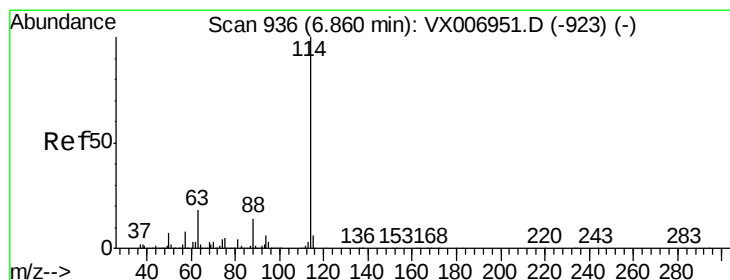
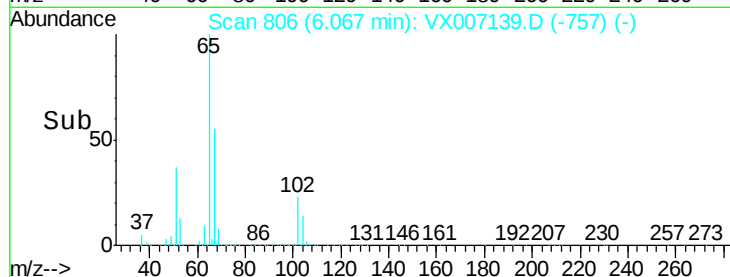
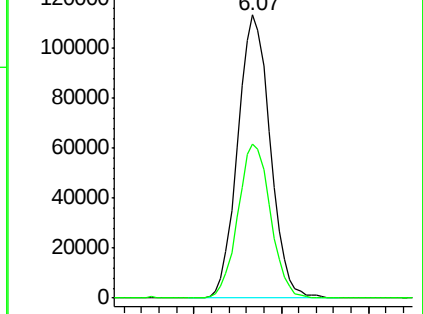
65 100

67 54.5 0.0 105.0



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: VX007139.D

Acq: 18 Jan 2019 17:08

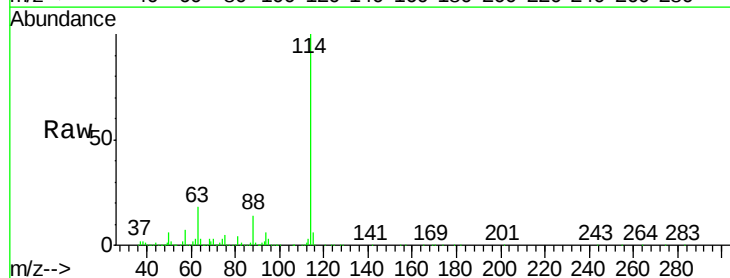
Tgt Ion: 114 Resp: 858693

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.8

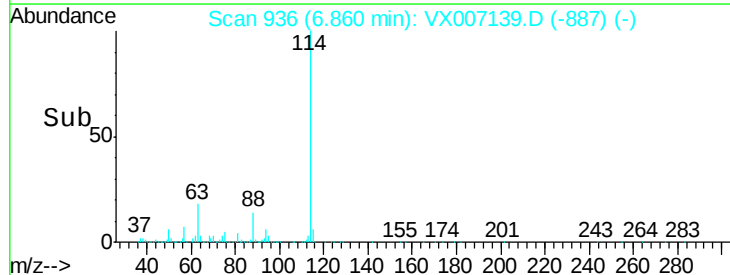
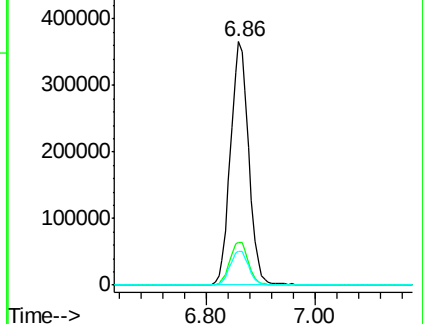
88 13.7 0.0 28.8

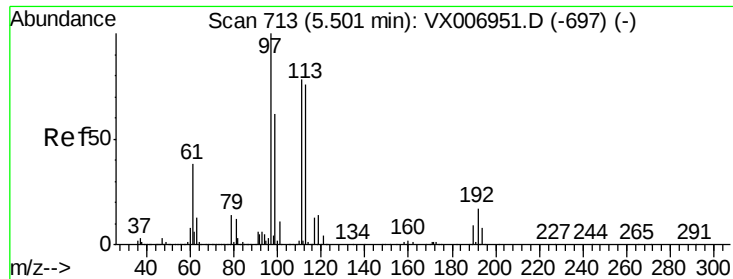


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

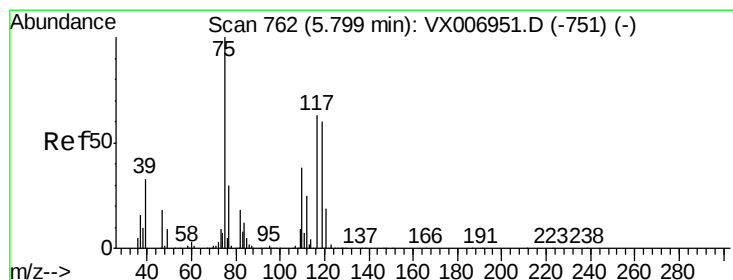
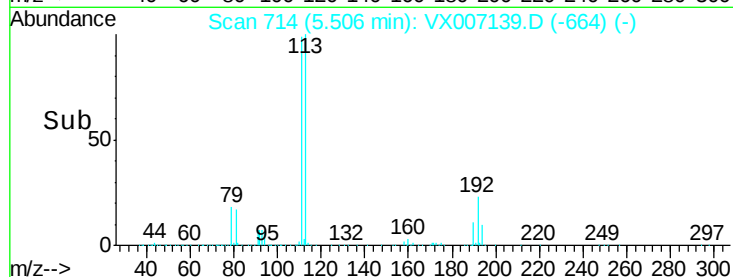
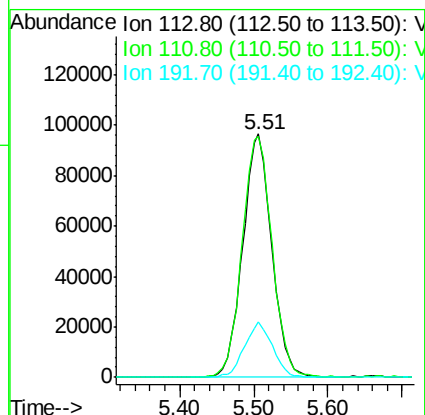
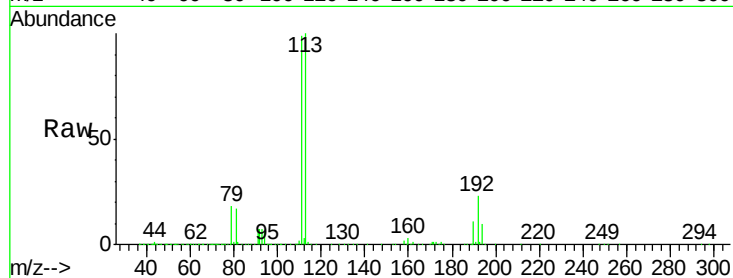




#35  
Dibromofluoromethane  
Concen: 47.973 ug/l  
RT: 5.51 min Scan# 714  
Delta R.T. 0.01 min  
Lab File: VX007139.D  
Acq: 18 Jan 2019 17:08

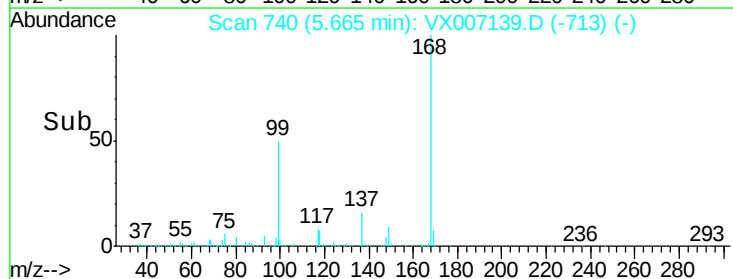
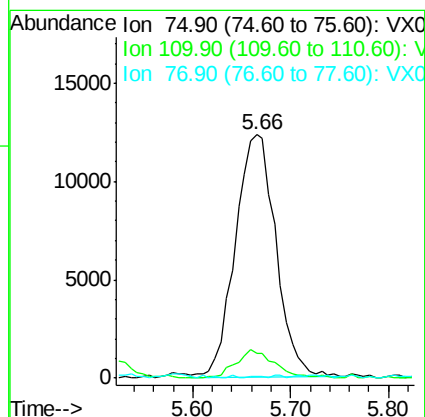
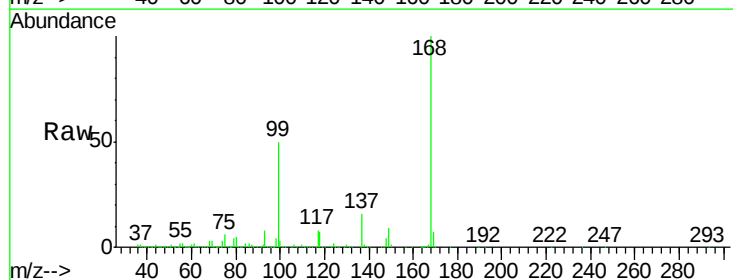
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW016-190116

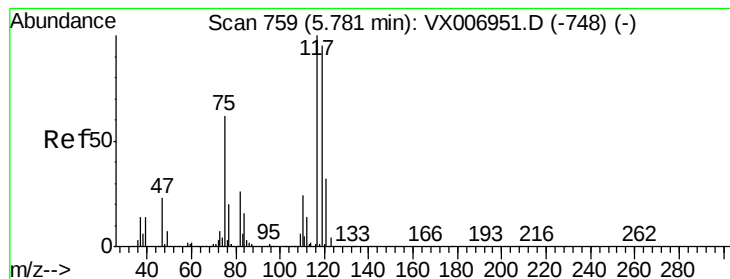
Tot Ion:113 Resp: 263804  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.6 122.4  
192 21.9 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 4.767 ug/l  
RT: 5.66 min Scan# 740  
Delta R.T. -0.13 min  
Lab File: VX007139.D  
Acq: 18 Jan 2019 17:08

Tgt Ion: 75 Resp: 35592  
Ion Ratio Lower Upper  
75 100  
110 11.4 20.2 60.5#  
77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.500 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

SS038RW016-190116

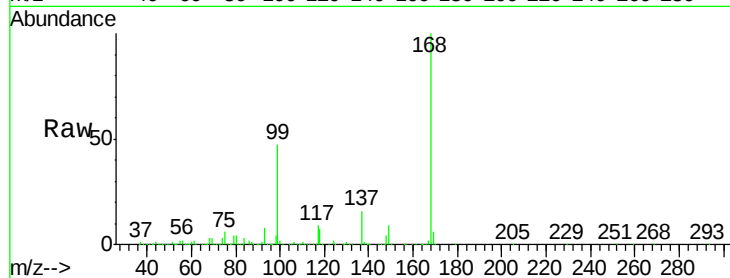
Tot Ion:117 Resp: 48820

Ion Ratio Lower Upper

117 100

119 3.8 79.4 119.2#

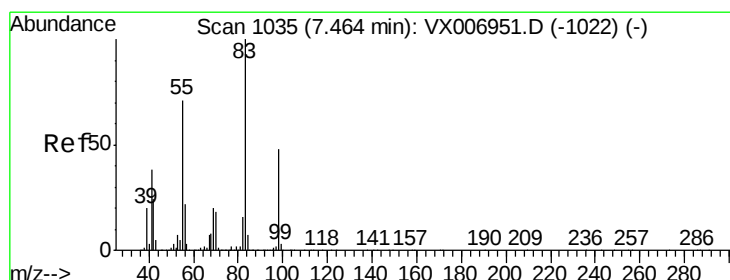
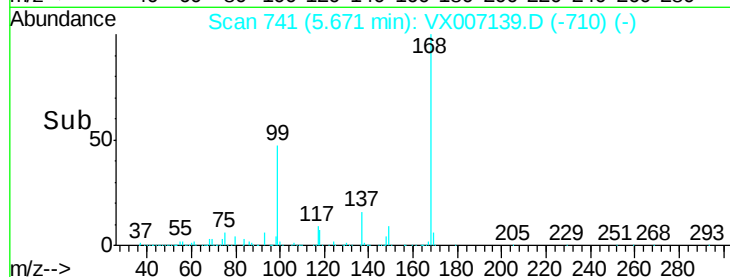
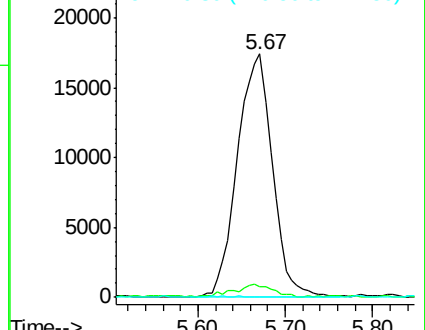
121 0.0 24.0 36.0#



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: 0.450 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

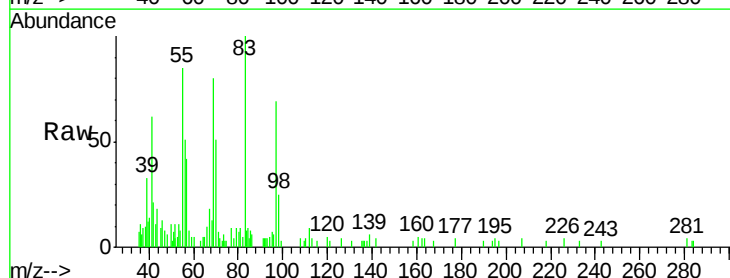
Tgt Ion: 83 Resp: 4287

Ion Ratio Lower Upper

83 100

55 84.6 54.9 82.3#

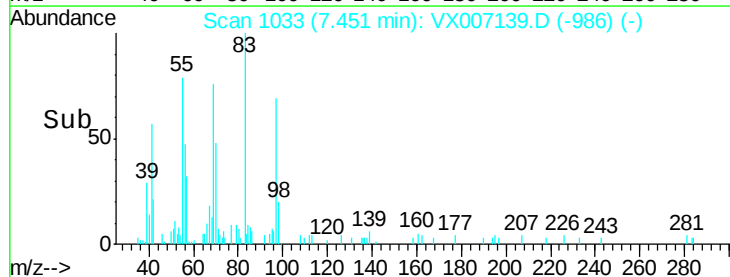
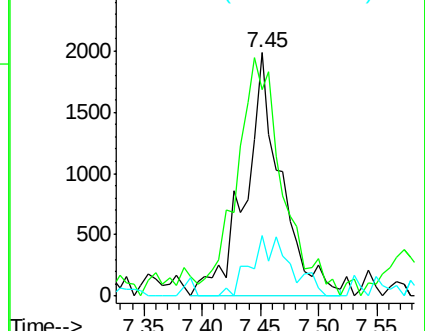
98 24.8 37.9 56.9#

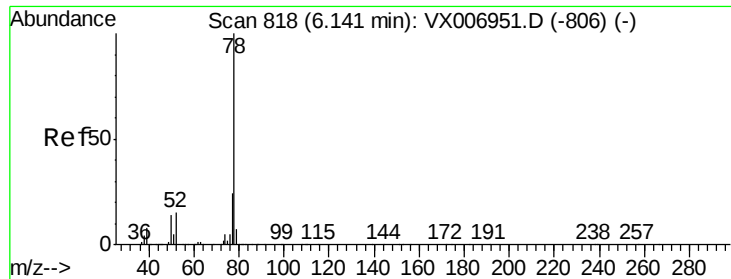


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.566 ug/l

RT: 6.15 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

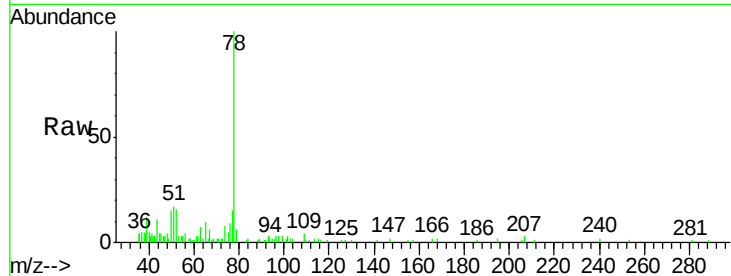
SS038RW016-190116

Tot Ion: 78 Resp: 12889

Ion Ratio Lower Upper

78 100

77 12.6 19.2 28.8#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

5000

4000

3000

2000

1000

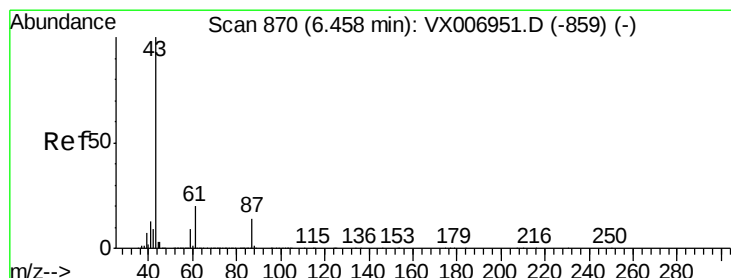
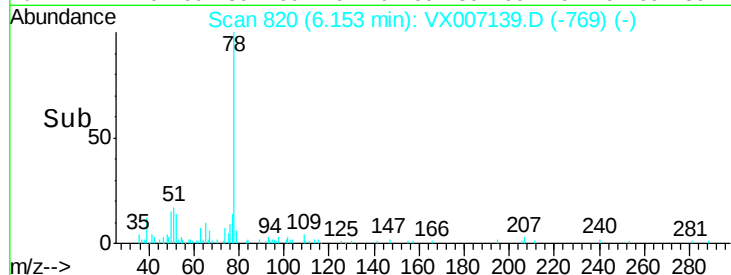
0

Time-->

6.00

6.10

6.20



#43

Isopropyl Acetate

Concen: 1.463 ug/l

RT: 6.35 min Scan# 853

Delta R.T. -0.10 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

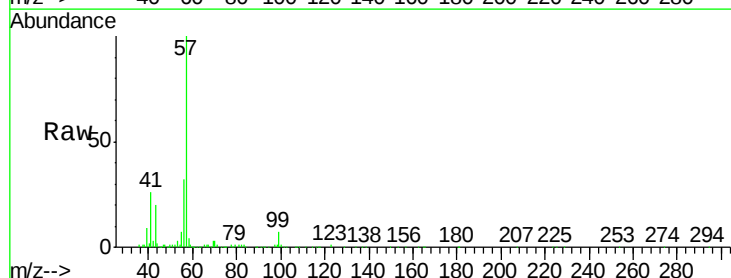
Tgt Ion: 43 Resp: 18474

Ion Ratio Lower Upper

43 100

61 1.2 16.8 25.2#

87 0.0 12.4 18.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

6.35

6000

4000

2000

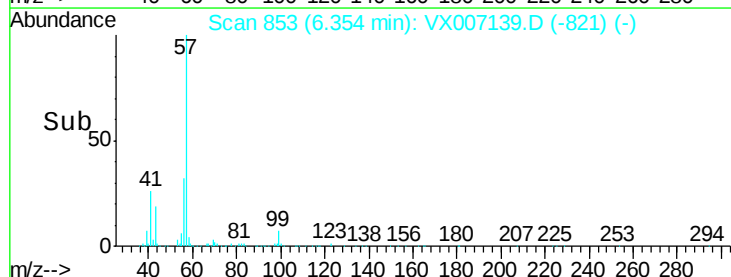
0

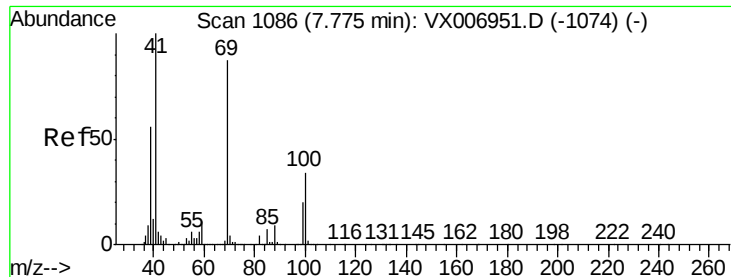
Time-->

6.20

6.30

6.40





#48

Methvl methacrylate

Concen: 0.255 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. 0.07 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

SS038RW016-190116

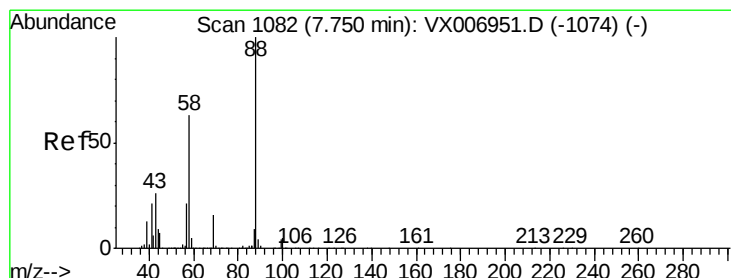
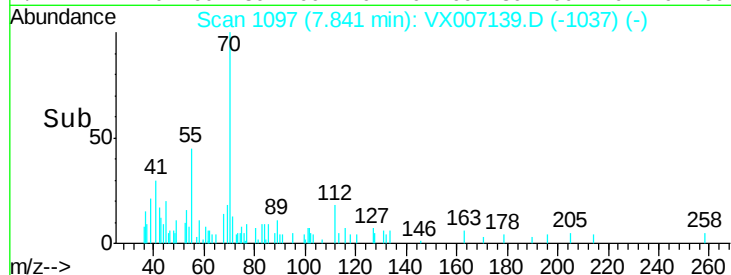
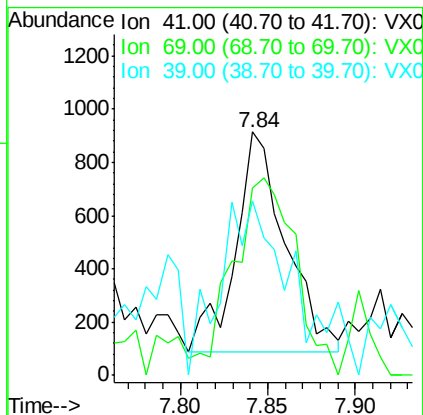
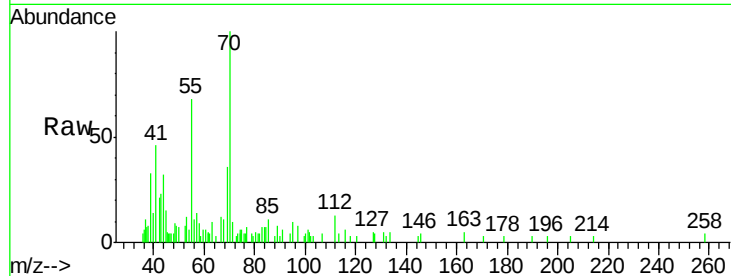
Tot Ion: 41 Resp: 1651

Ion Ratio Lower Upper

41 100

69 111.0 72.4 108.6#

39 107.9 45.8 68.8#



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.71 min Scan# 1076

Delta R.T. -0.04 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

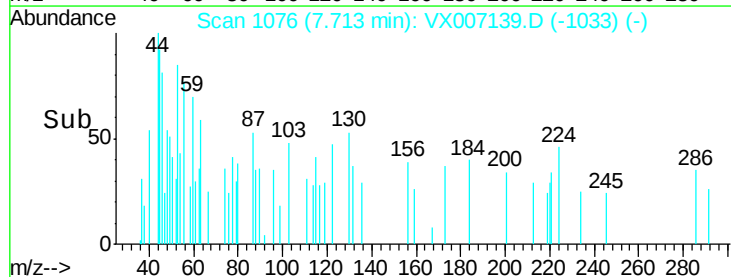
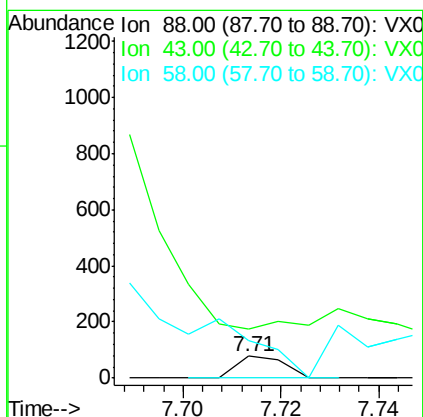
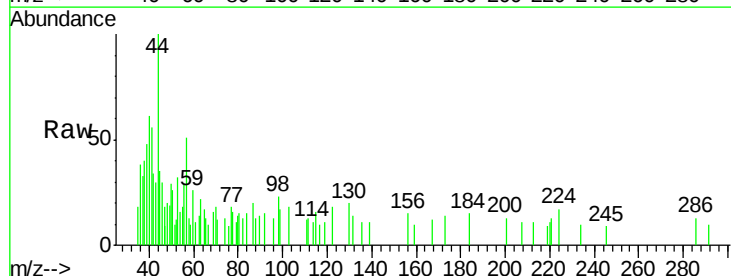
Tgt Ion: 88 Resp: 52

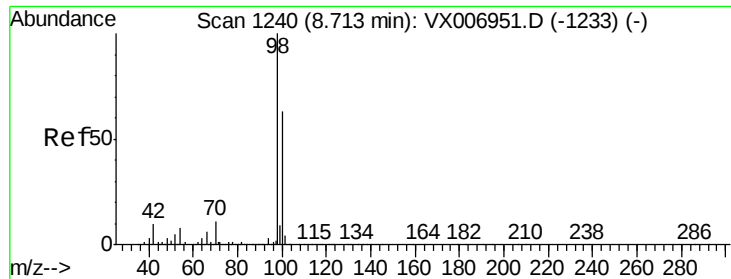
Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 475.0 51.0 76.4#





#50

Toluene-d8

Concen: 51.236 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

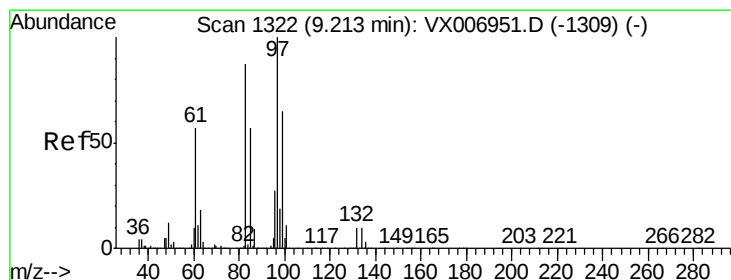
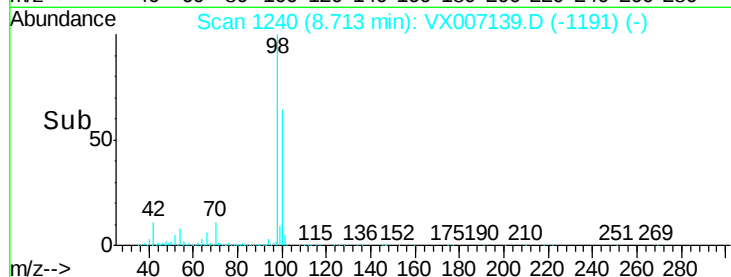
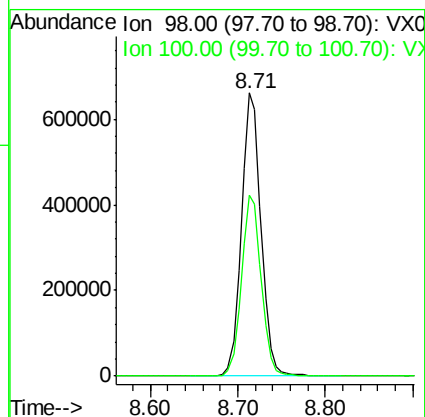
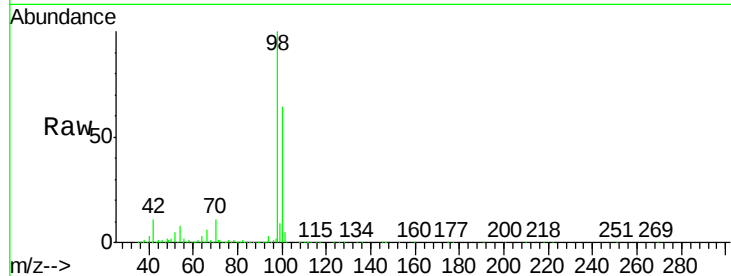
SS038RW016-190116

Tot Ion: 98 Resp: 1031283

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#55

1,1,2-Trichloroethane

Concen: 0.657 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Tgt Ion: 97 Resp: 3853

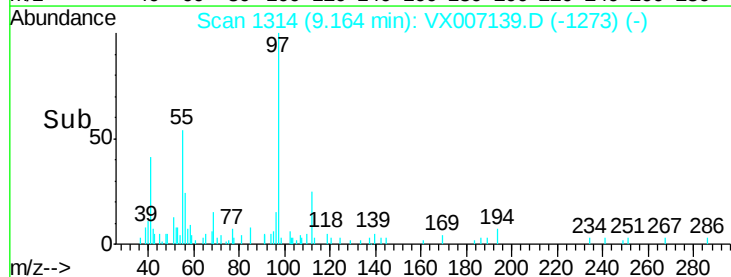
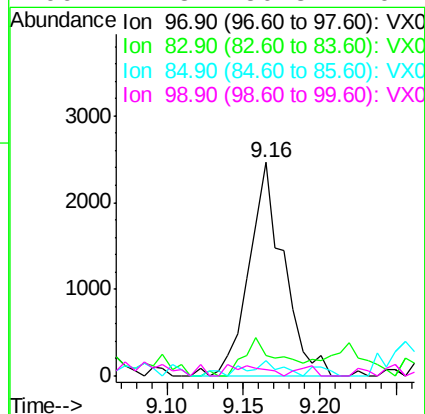
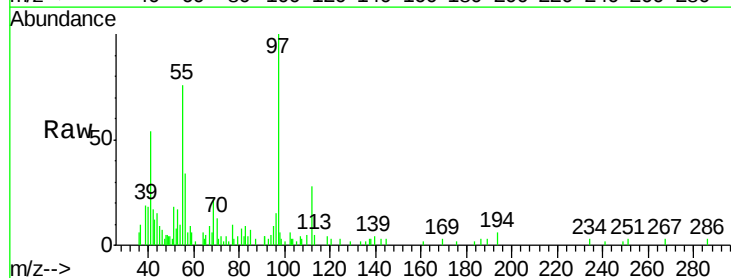
Ion Ratio Lower Upper

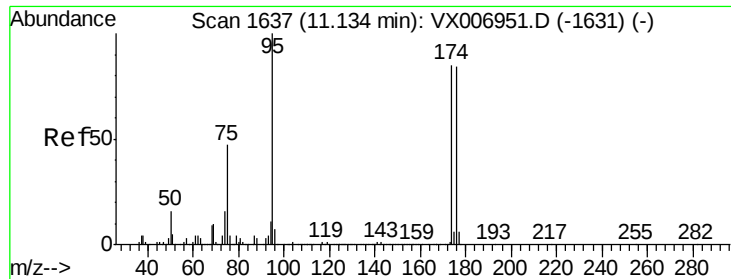
97 100

83 9.4 66.6 99.8#

85 7.3 42.7 64.1#

99 2.8 50.8 76.2#





#62

4-Bromofluorobenzene

Concen: 53.144 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

SS038RW016-190116

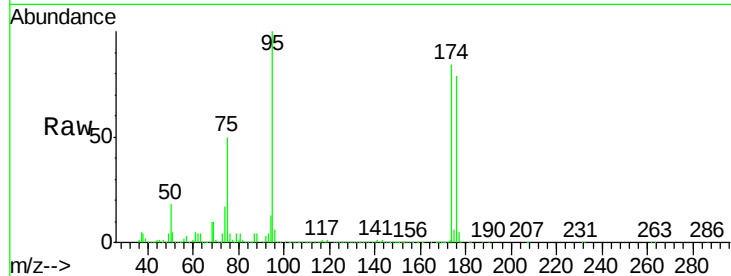
Tot Ion: 95 Resp: 372919

Ion Ratio Lower Upper

95 100

174 93.4 0.0 182.2

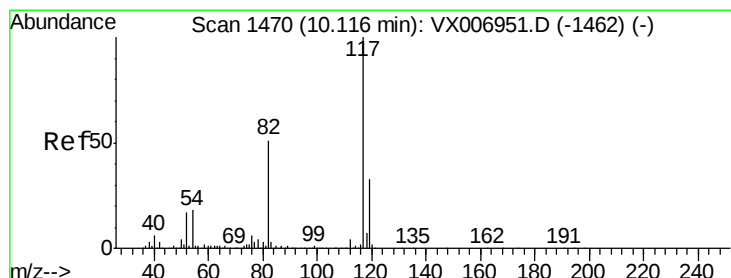
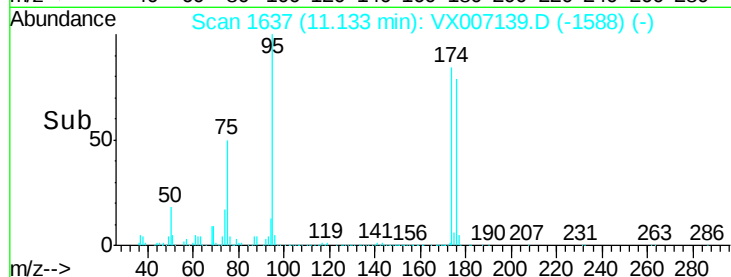
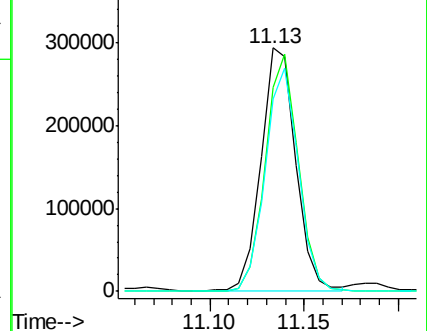
176 88.8 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

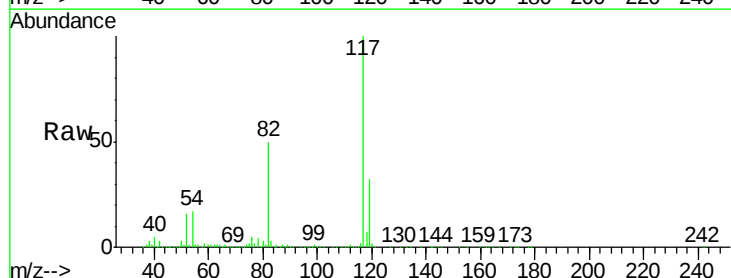
Tgt Ion: 117 Resp: 805094

Ion Ratio Lower Upper

117 100

82 49.8 41.0 61.6

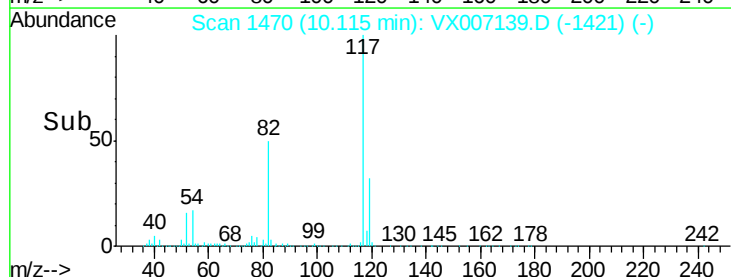
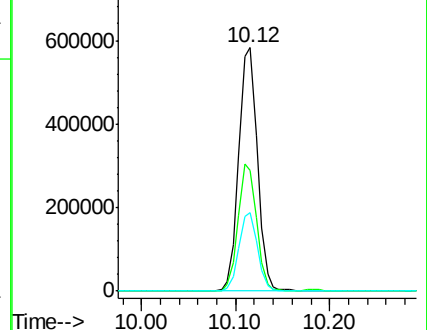
119 32.3 25.4 38.0

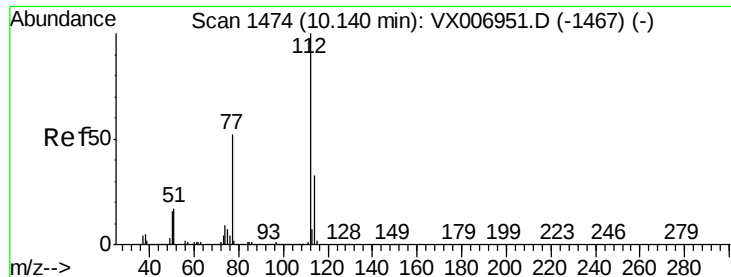


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)





#65

Chlorobenzene

Concen: 18.417 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

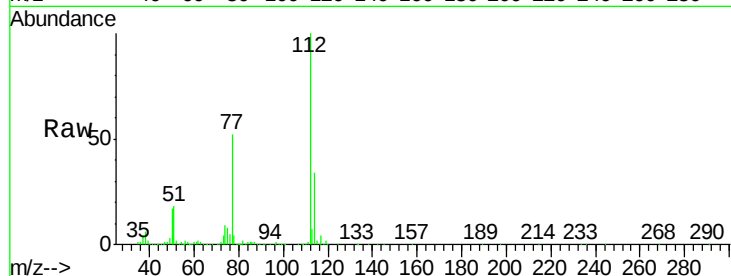
SS038RW016-190116

Tot Ion:112 Resp: 323397

Ion Ratio Lower Upper

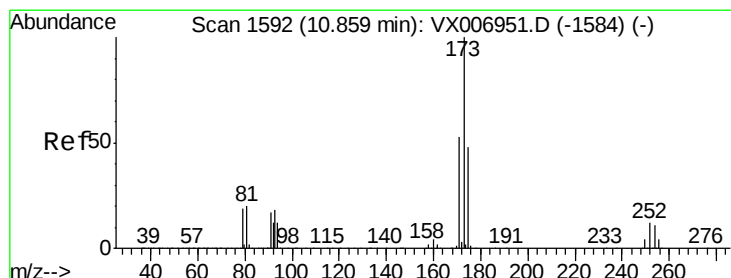
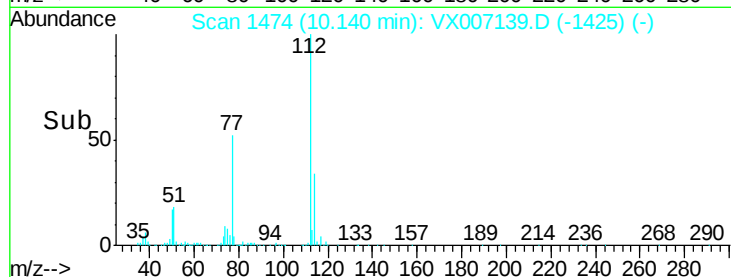
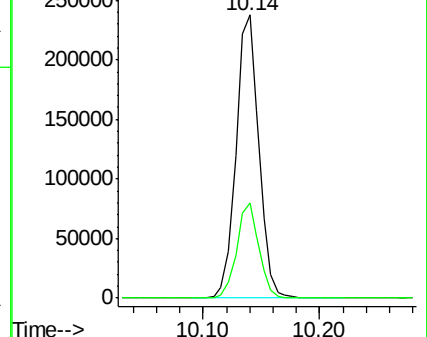
112 100

114 33.5 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#71

Bromoform

Concen: 4.764 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.16 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

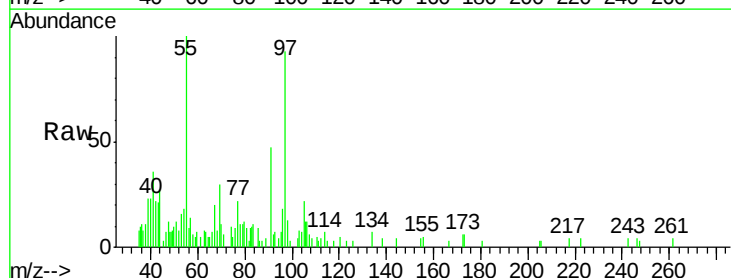
Tgt Ion:173 Resp: 213

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

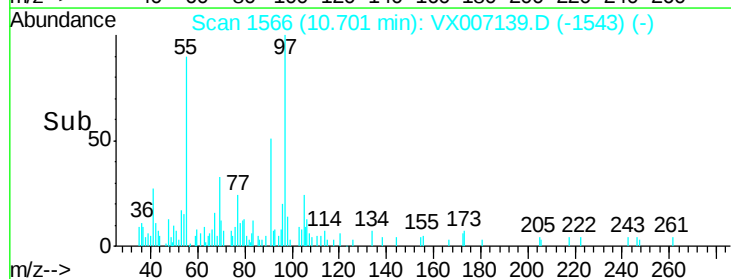
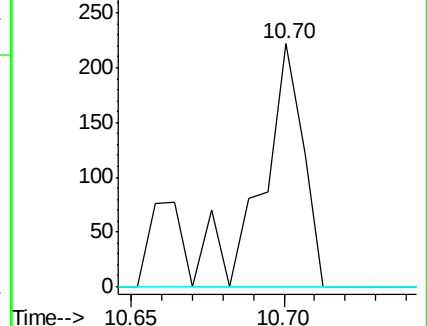
254 0.0 0.2 0.2#

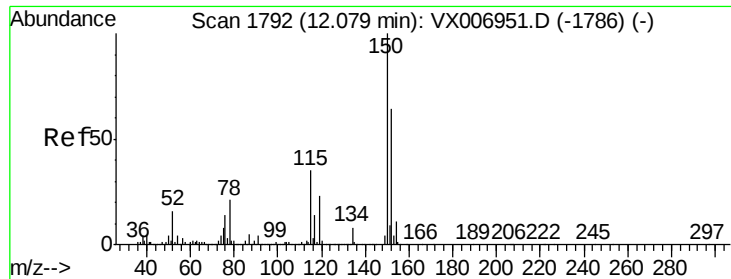


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



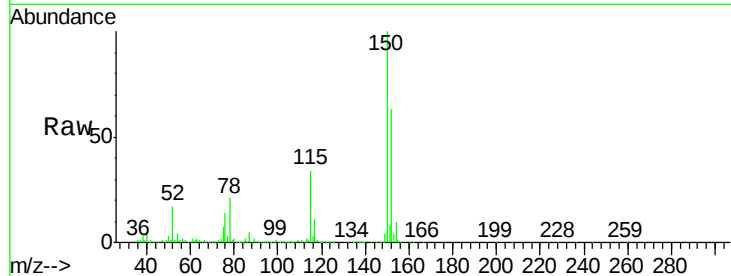


#72

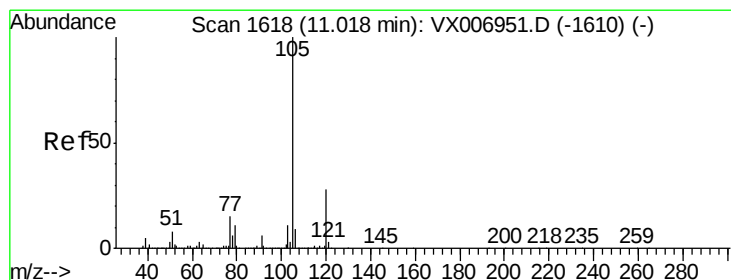
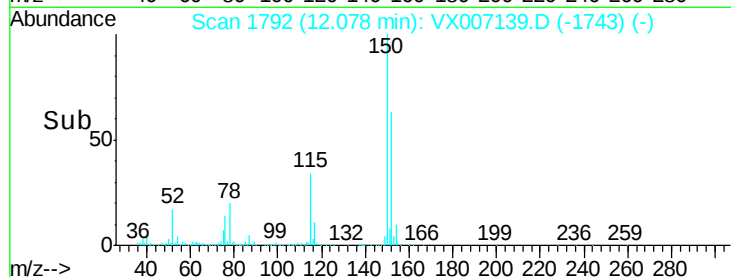
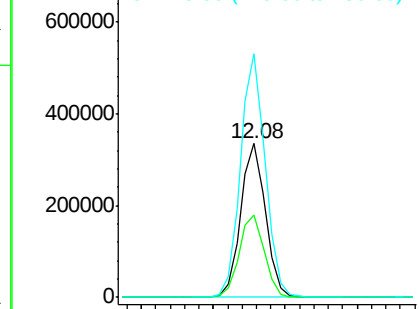
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX007139.D  
Acq: 18 Jan 2019 17:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW016-190116

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.0  | 39.1  | 117.2 |
| 150     | 158.1 | 0.0   | 344.8 |



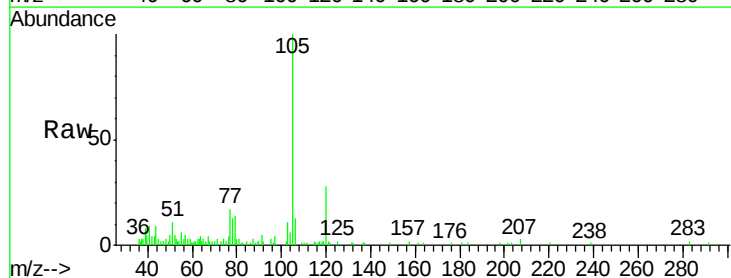
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



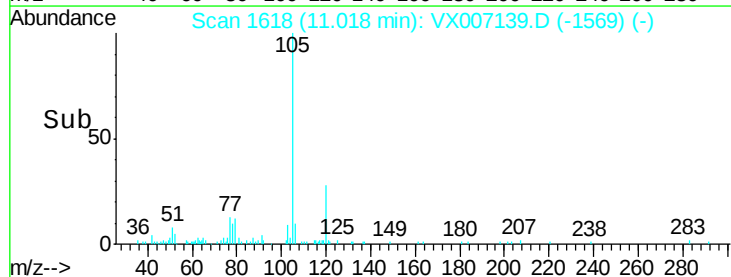
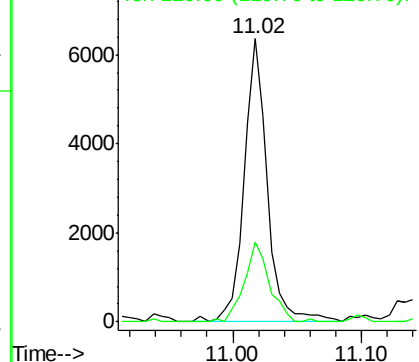
#73

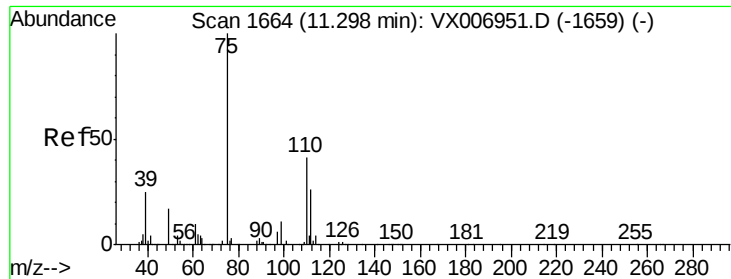
Isopropylbenzene  
Concen: 0.279 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX007139.D  
Acq: 18 Jan 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 30.1  | 14.1  | 42.4  |



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: 21.878 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

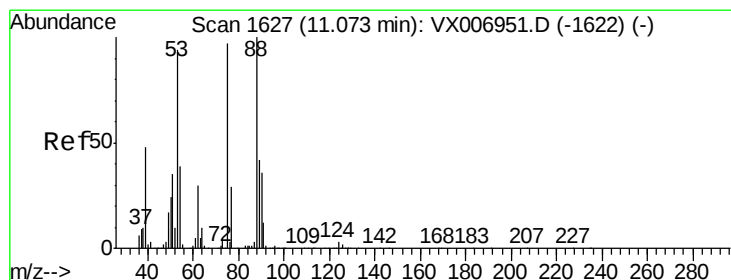
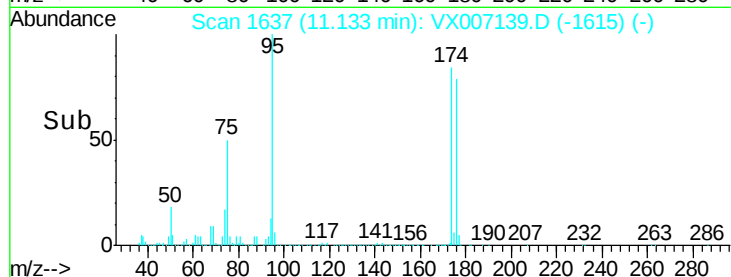
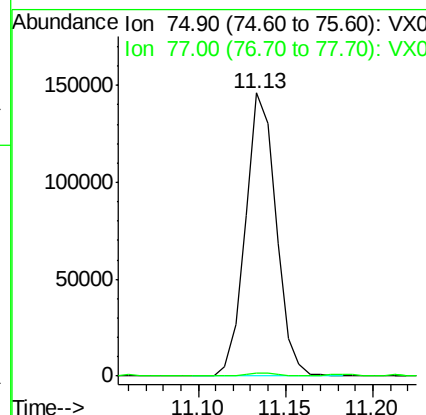
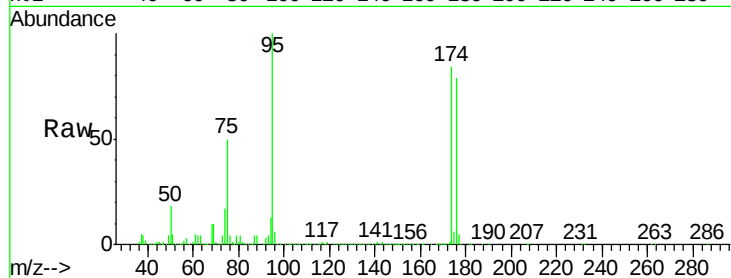
SS038RW016-190116

Tot Ion: 75 Resp: 177958

Ion Ratio Lower Upper

75 100

77 1.0 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.813 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

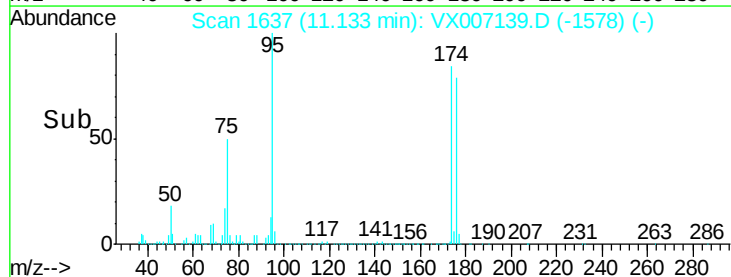
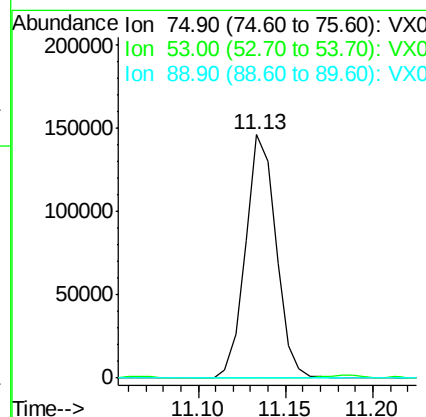
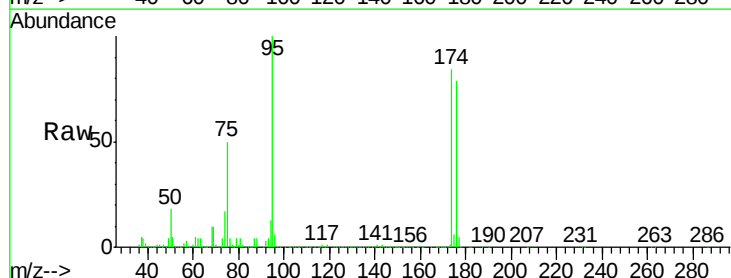
Tgt Ion: 75 Resp: 177958

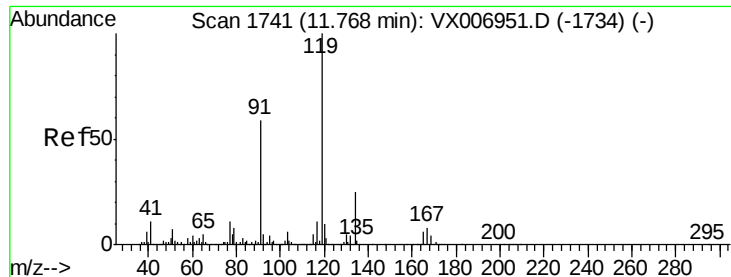
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.0 38.0 57.0#





#83

tert-Butylbenzene

Concen: 1.709 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

SS038RW016-190116

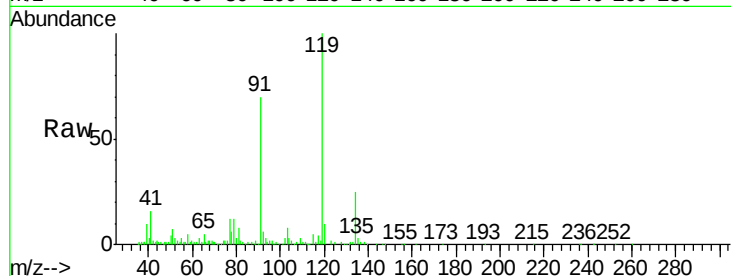
Tot Ion:119 Resp: 40317

Ion Ratio Lower Upper

119 100

91 66.5 27.7 83.1

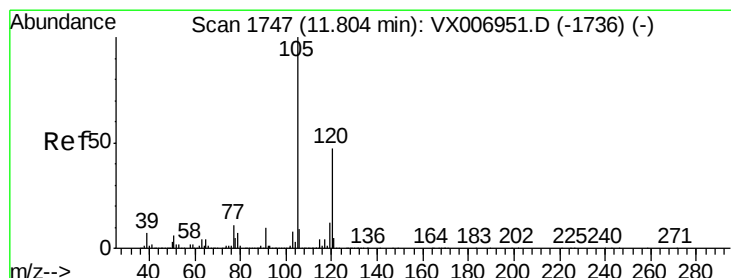
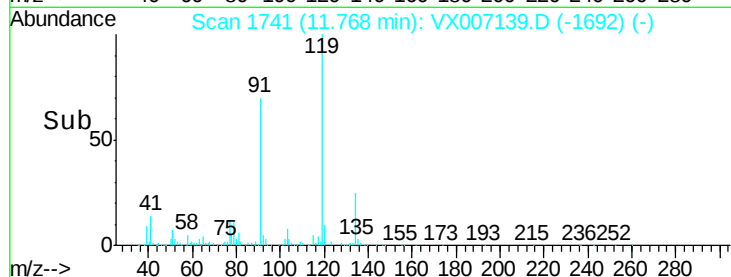
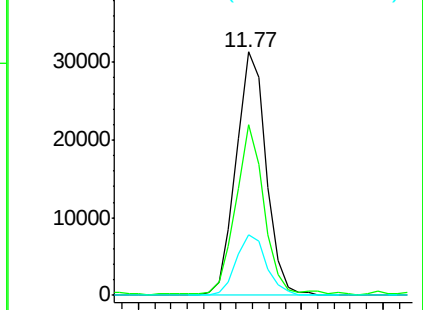
134 25.5 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.935 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.14 min

Lab File: VX007139.D

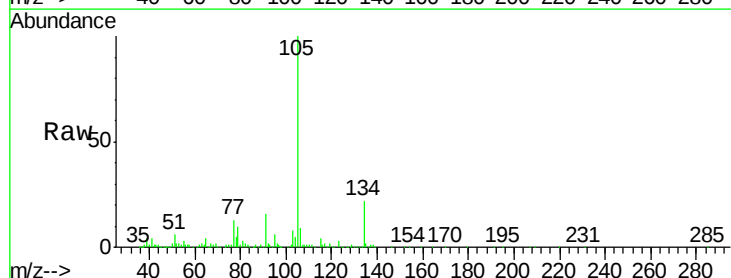
Acq: 18 Jan 2019 17:08

Tgt Ion:105 Resp: 69809

Ion Ratio Lower Upper

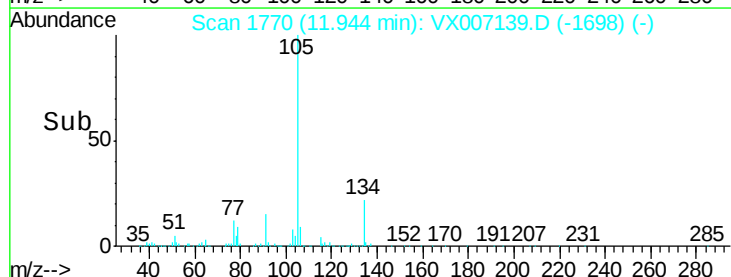
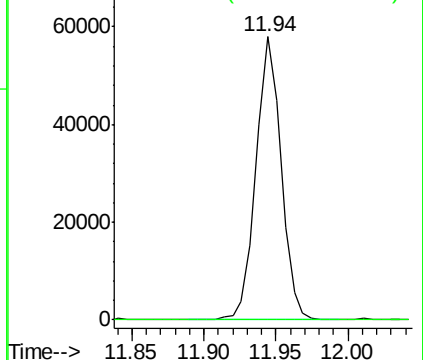
105 100

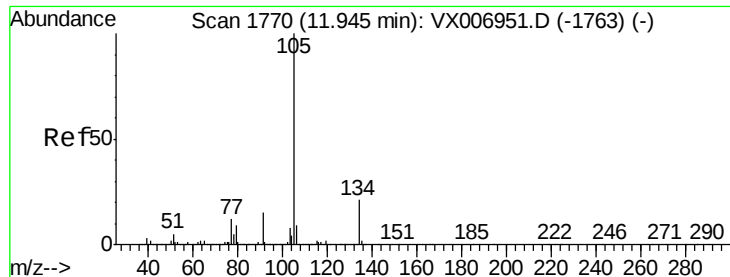
120 0.7 23.2 69.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

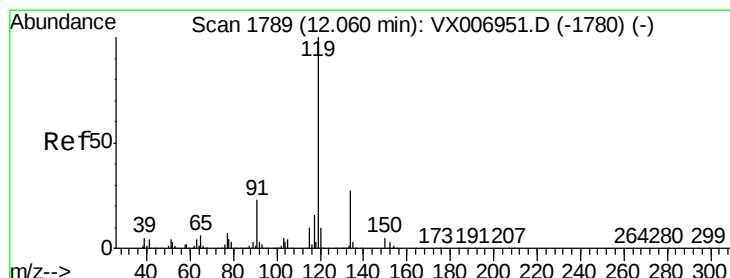
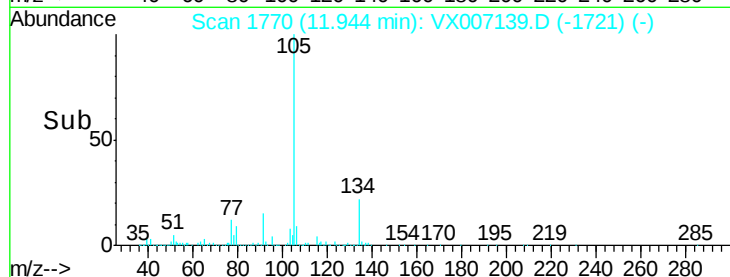
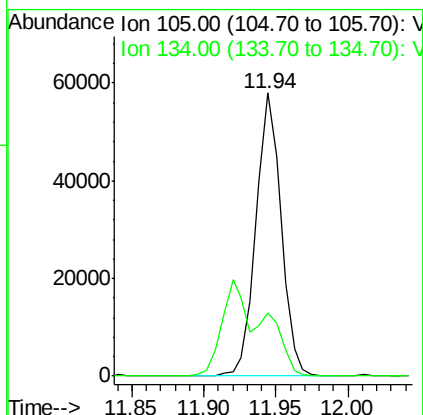
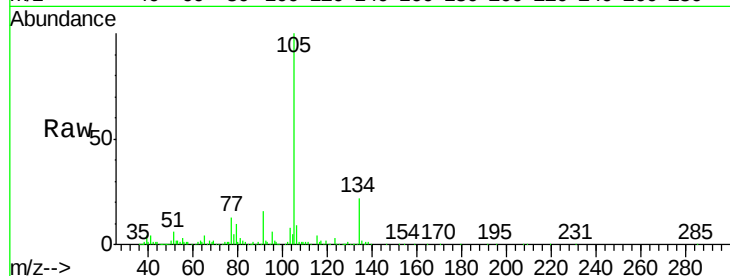




#85  
 sec-Butylbenzene  
 Concen: 2.477 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. -0.00 min  
 Lab File: VX007139.D  
 Acq: 18 Jan 2019 17:08

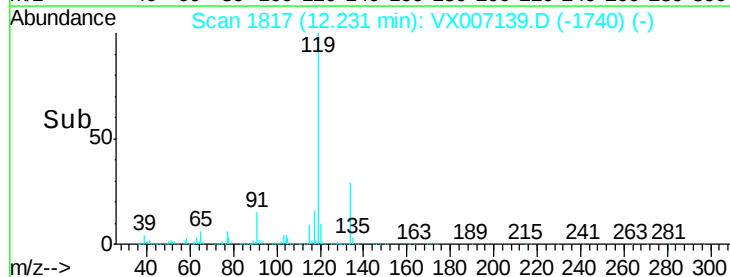
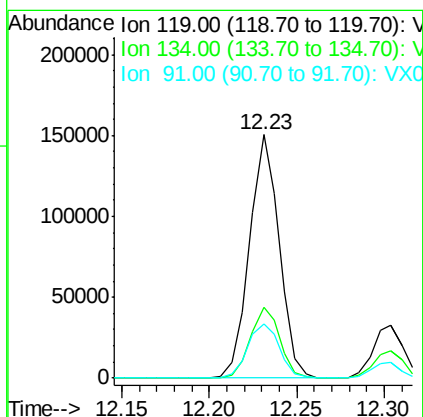
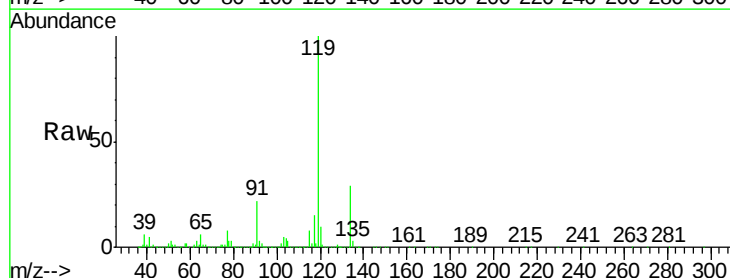
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS038RW016-190116

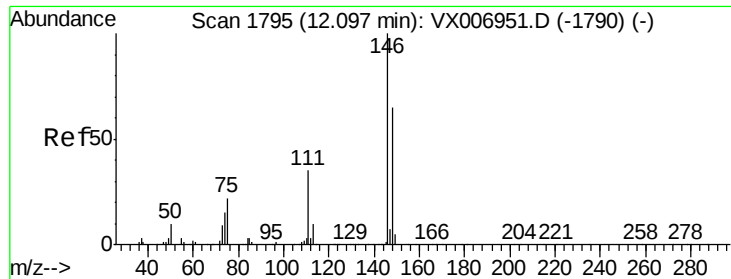
Tot Ion:105 Resp: 69809  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.7 31.9#



#86  
 p-Isopropyltoluene  
 Concen: 7.069 ug/l  
 RT: 12.23 min Scan# 1817  
 Delta R.T. 0.17 min  
 Lab File: VX007139.D  
 Acq: 18 Jan 2019 17:08

Tgt Ion:119 Resp: 178181  
 Ion Ratio Lower Upper  
 119 100  
 134 29.0 14.0 41.9  
 91 23.5 11.3 33.9





#88

1,4-Dichlorobenzene

Concen: 0.679 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

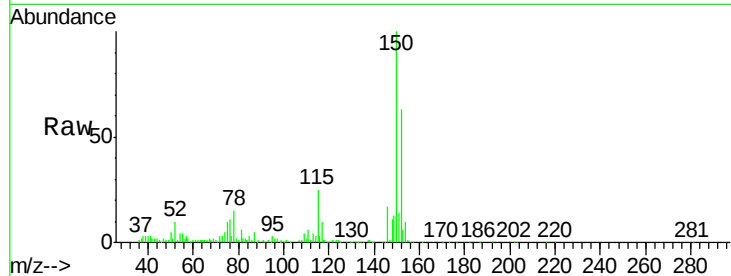
Instrument :

MSVOA\_X

ClientSampleId :

SS038RW016-190116

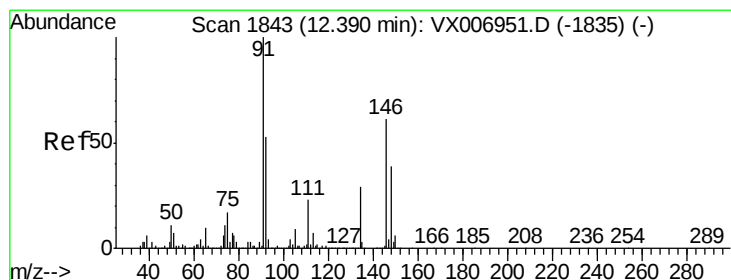
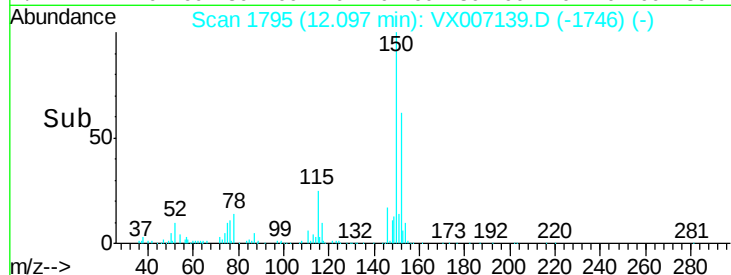
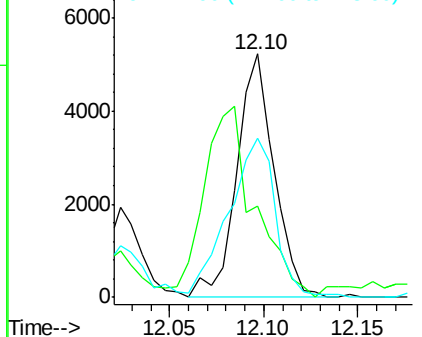
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 146   | Resp: | 7159  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 106.1 | 18.1  | 54.1# |
| 148      | 82.3  | 31.9  | 95.9  |



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.209 ug/l

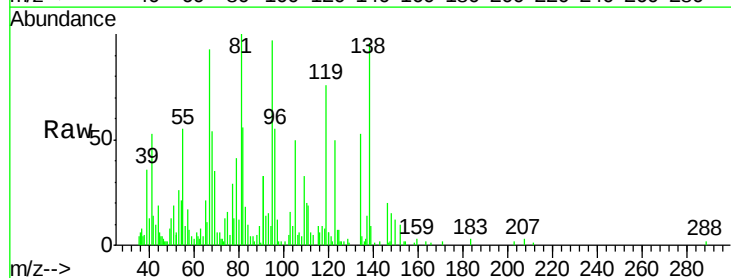
RT: 12.38 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

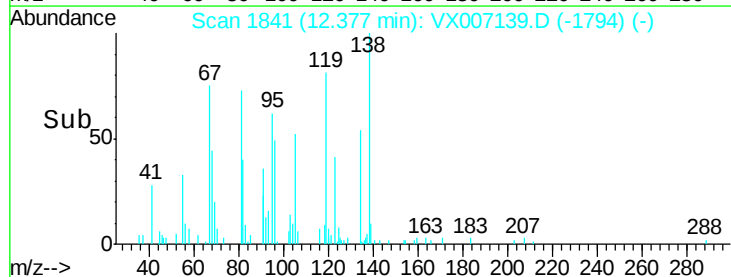
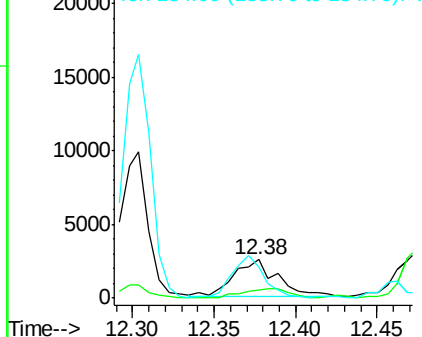
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 4484  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 28.3  | 26.8  | 80.4  |
| 134      | 89.4  | 14.4  | 43.2# |

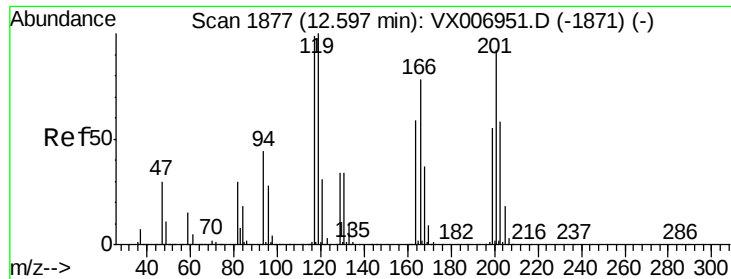


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 6.088 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

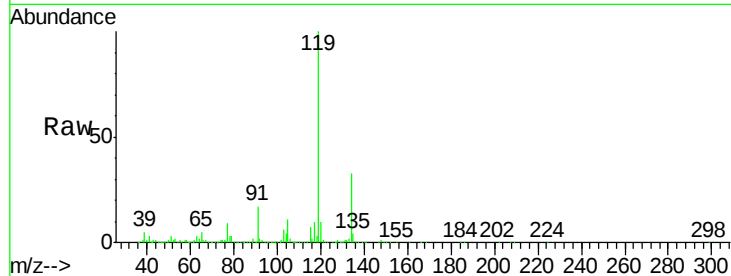
SS038RW016-190116

Tot Ion:117 Resp: 13584

Ion Ratio Lower Upper

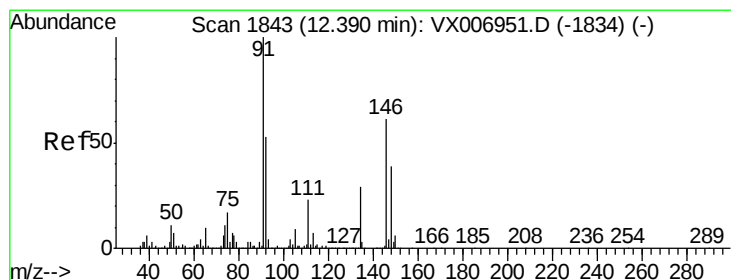
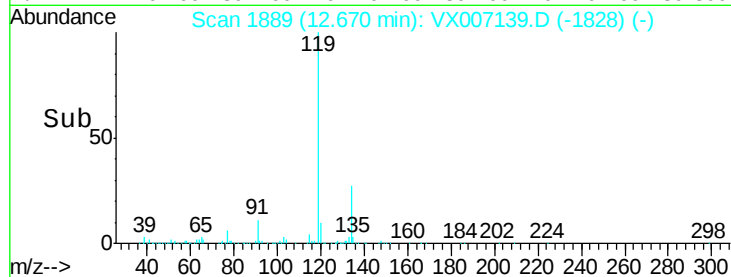
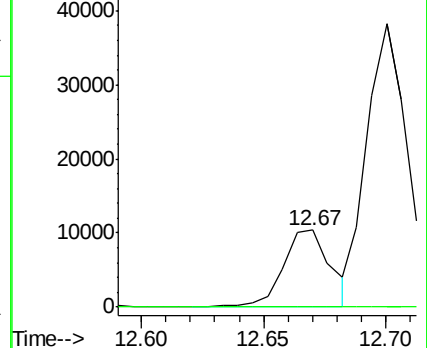
117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.387 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

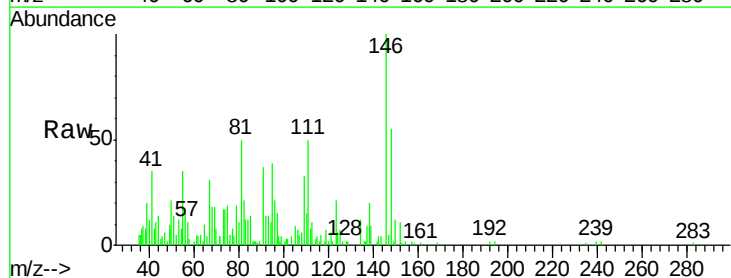
Tgt Ion:146 Resp: 5380

Ion Ratio Lower Upper

146 100

111 45.6 19.4 58.2

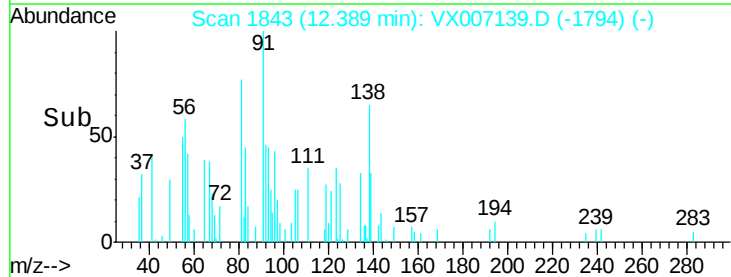
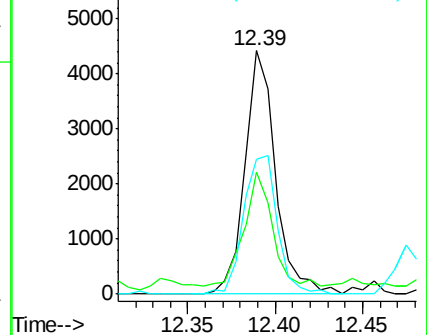
148 62.4 32.3 96.9

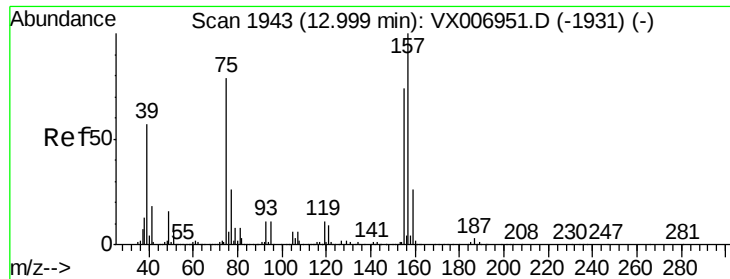


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.724 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX007139.D

Acq: 18 Jan 2019 17:08

Instrument :

MSVOA\_X

ClientSampleId :

SS038RW016-190116

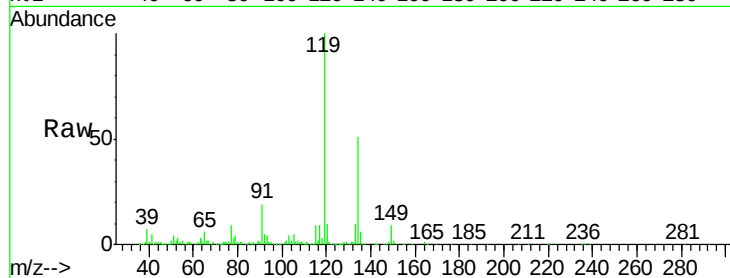
Tot Ion: 75 Resp: 1286

Ion Ratio Lower Upper

75 100

155 4.7 50.6 151.8#

157 1.6 64.6 193.8#



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

