

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\  
 Data File : VN051731.D  
 Acq On : 8 Oct 2018 13:20  
 Operator : MD\SY  
 Sample : J5163-05DL 10X  
 Misc : 6.24g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 14 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-MW-D-092718(7-10)

Quant Time: Oct 09 03:51:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 05 02:22:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 716091   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1023259  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 979910   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 711259   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 421538   | 44.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.12%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 382358   | 48.33 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.66%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1441178  | 48.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.66%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 815128   | 78.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 156.04% |      |

## Target Compounds

|                                |       |     |         |           | Qvalue |     |
|--------------------------------|-------|-----|---------|-----------|--------|-----|
| 2) Dichlorodifluoromethane     | 2.09  | 85  | 60      | 1.156     | ug/l # | 42  |
| 7) Trichlorofluoromethane      | 2.99  | 101 | 31      | Below Cal | #      | 18  |
| 16) Acetone                    | 3.82  | 43  | 1395    | Below Cal | #      | 44  |
| 18) Methyl Acetate             | 4.33  | 43  | 3078    | 0.589     | ug/l # | 86  |
| 29) Tetrahydrofuran            | 7.22  | 42  | 345     | 0.206     | ug/l # | 28  |
| 31) Cyclohexane                | 7.66  | 56  | 14242   | 1.109     | ug/l # | 54  |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 47710   | 4.461     | ug/l # | 43  |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 64166   | 5.000     | ug/l # | 16  |
| 41) Methacrylonitrile          | 7.19  | 41  | 167     | Below Cal | #      | 1   |
| 43) Isopropyl Acetate          | 8.28  | 43  | 65001   | 5.589     | ug/l # | 60  |
| 49) 1,4-Dioxane                | 9.20  | 88  | 32      | 0.402     | ug/l # | 29  |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43  | 2160    | 0.367     | ug/l # | 71  |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97  | 88074   | 11.724    | ug/l # | 20  |
| 56) Ethyl methacrylate         | 10.44 | 69  | 40659   | 4.280     | ug/l # | 1   |
| 59) 2-Hexanone                 | 10.72 | 43  | 607134  | 151.693   | ug/l # | 26  |
| 65) Chlorobenzene              | 11.54 | 112 | 32432   | 1.336     | ug/l # | 42  |
| 71) Bromoform                  | 12.41 | 173 | 4587    | 0.635     | ug/l # | 1   |
| 73) Isopropylbenzene           | 12.25 | 105 | 73274   | 1.209     | ug/l   | 97  |
| 74) N-amyl acetate             | 12.05 | 43  | 2471052 | 207.536   | ug/l # | 55  |
| 75) 1,1,2,2-Tetrachloroethane  | 12.47 | 83  | 224520  | 16.506    | ug/l # | 25  |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 310635  | 33.821    | ug/l # | 100 |
| 77) Bromobenzene               | 12.50 | 156 | 3109    | 0.210     | ug/l # | 1   |
| 78) n-propylbenzene            | 12.59 | 91  | 494734  | 7.481     | ug/l   | 97  |
| 79) 2-Chlorotoluene            | 12.48 | 91  | 23589   | 0.605     | ug/l   | 78  |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 310611  | 80.275    | ug/l # | 26  |
| 82) 4-Chlorotoluene            | 12.78 | 91  | 21187   | 0.541     | ug/l # | 1   |
| 83) tert-Butylbenzene          | 12.99 | 119 | 338008  | 7.383     | ug/l   | 95  |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 165123  | 3.226     | ug/l   | 98  |
| 85) sec-Butylbenzene           | 13.17 | 105 | 3109403 | 51.342    | ug/l # | 72  |
| 86) p-Isopropyltoluene         | 13.29 | 119 | 195029  | 3.633     | ug/l   | 96  |
| 89) n-Butylbenzene             | 13.62 | 91  | 1832499 | 43.168    | ug/l # | 58  |
| 90) Hexachloroethane           | 13.89 | 117 | 635193  | 59.298    | ug/l # | 7   |
| 92) 1,2-Dibromo-3-Chloropropan | 14.29 | 75  | 5479    | 2.572     | ug/l # | 1   |
| 95) Naphthalene                | 15.10 | 128 | 10375   | 0.420     | ug/l # | 10  |

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ALS Vial : 14 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-MW-D-092718(7-10)

Quant Time: Oct 09 03:51:54 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 05 02:22:33 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

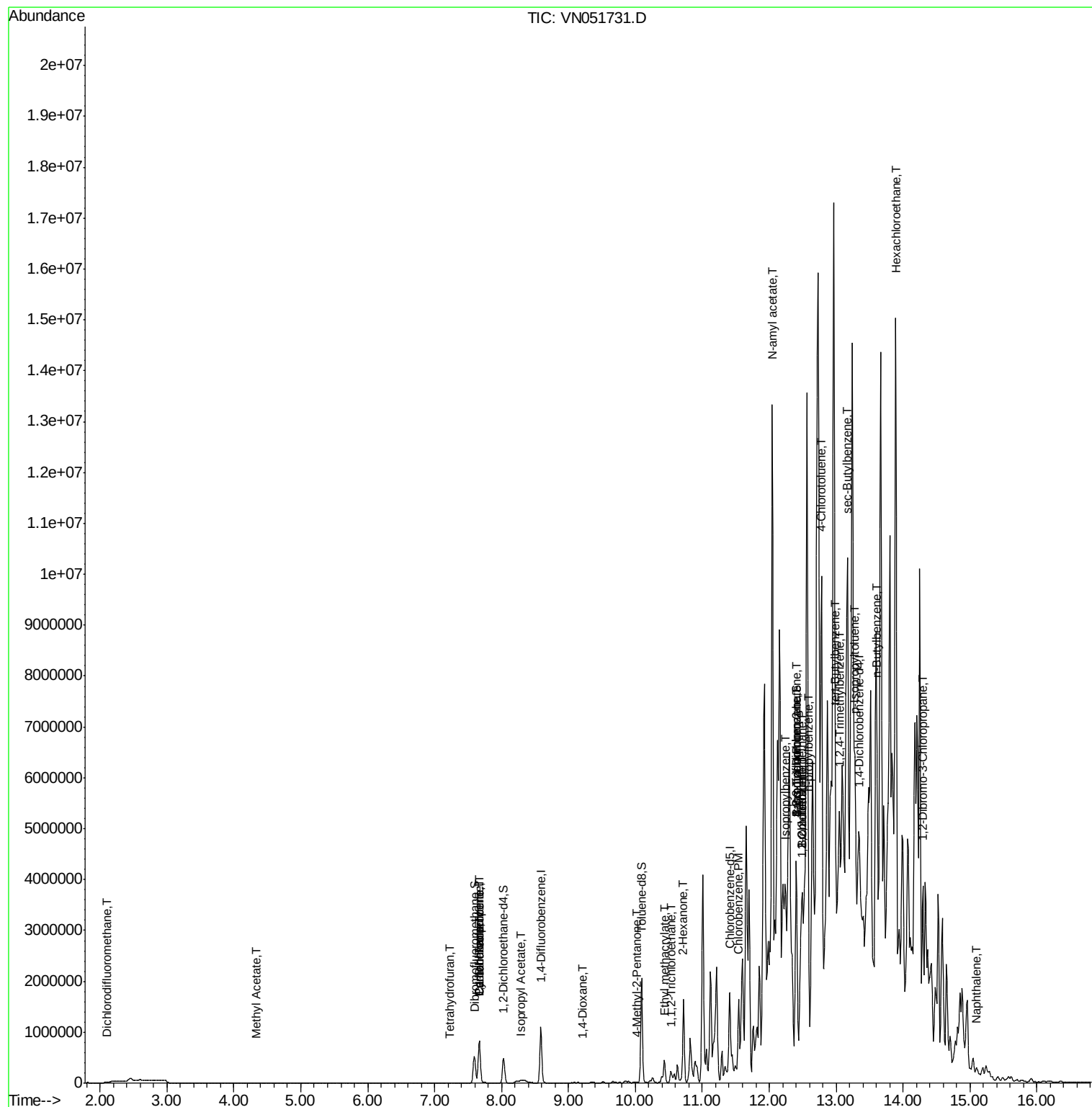
|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

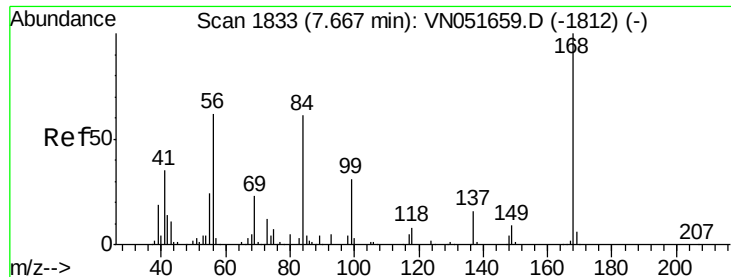
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100818\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

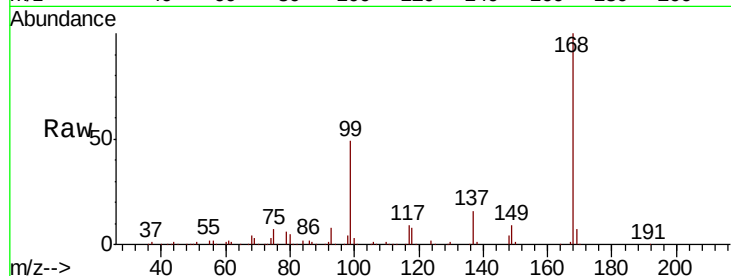
EP1-MW-D-092718(7-10)

Tot Ion:168 Resp: 716091

Ion Ratio Lower Upper

168 100

99 48.5 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

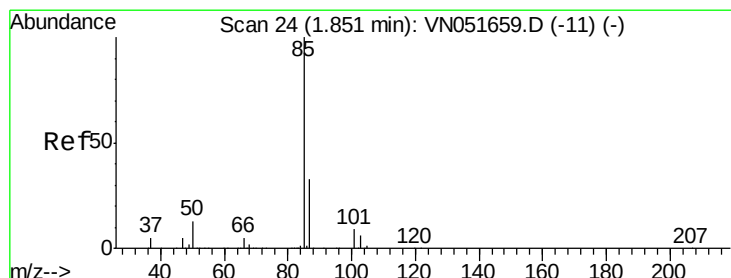
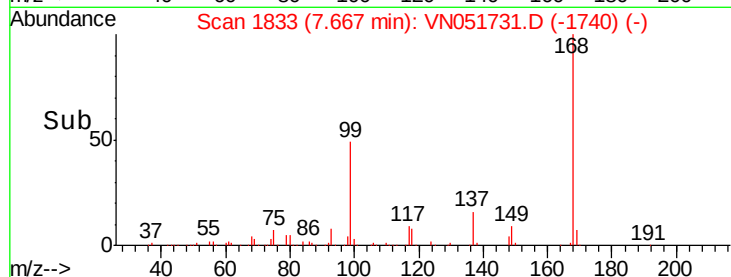
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.156 ug/l

RT: 2.09 min Scan# 100

Delta R.T. 0.24 min

Lab File: VN051731.D

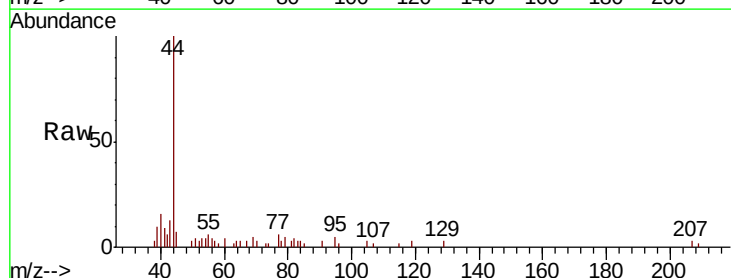
Acq: 8 Oct 2018 13:20

Tgt Ion: 85 Resp: 60

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

2.09

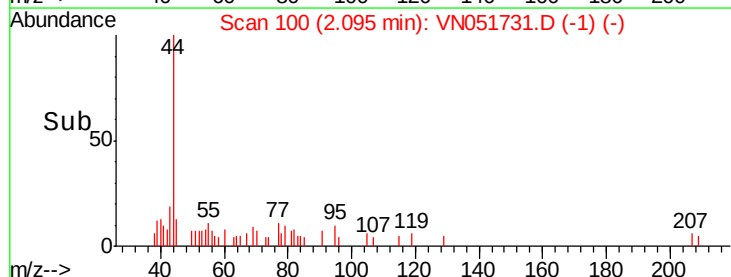
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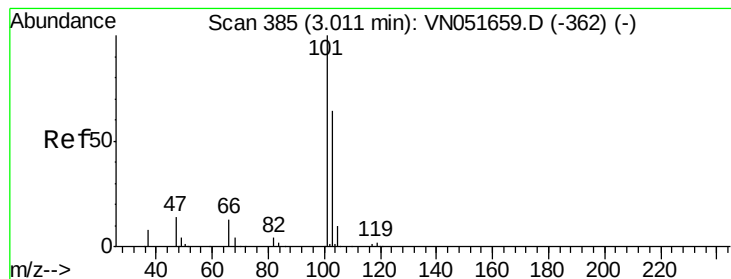
100

50

0

Time-->



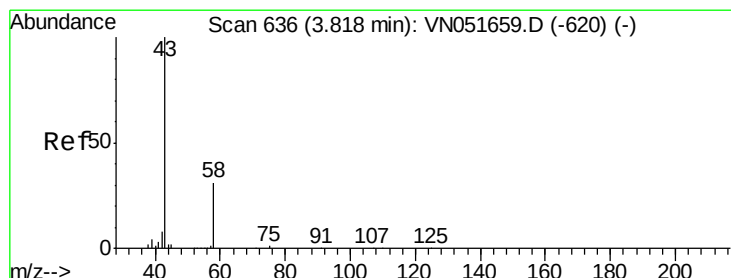
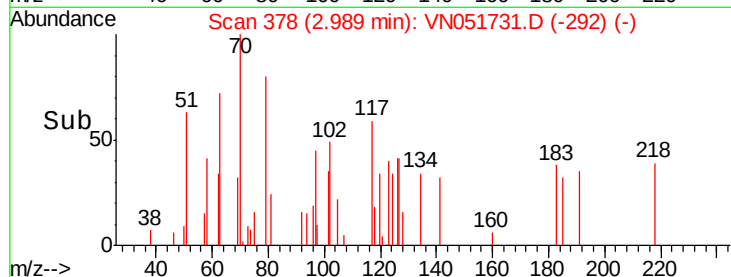
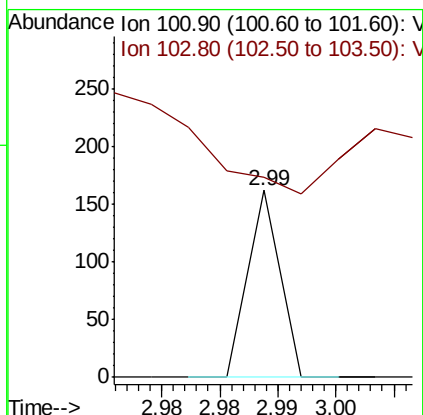
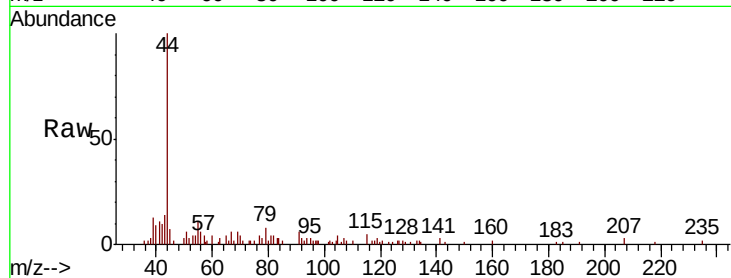


#7

Trichlorofluoromethane  
Concen: Below Cal  
RT: 2.99 min Scan# 378  
Delta R.T. -0.02 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-MW-D-092718(7-10)

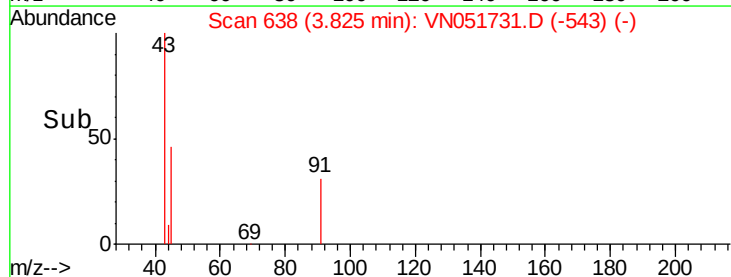
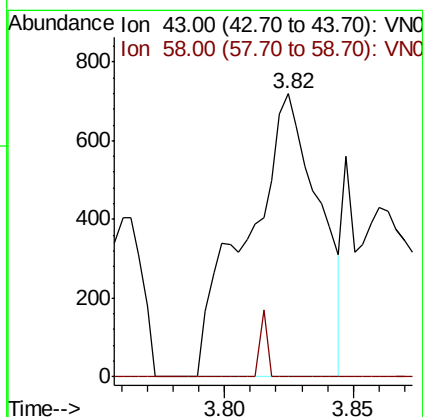
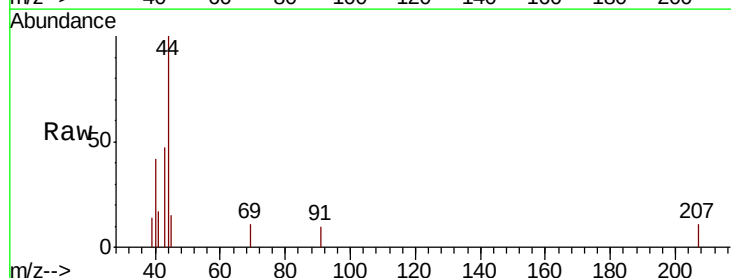
Tot Ion:101 Resp: 31  
Ion Ratio Lower Upper  
101 100  
103 0.0 51.1 76.7#

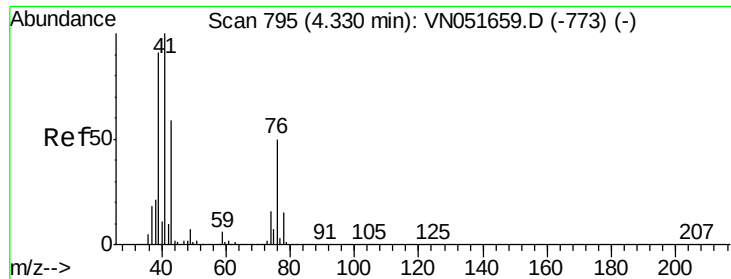


#16

Acetone  
Concen: Below Cal  
RT: 3.82 min Scan# 638  
Delta R.T. 0.01 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

Tgt Ion: 43 Resp: 1395  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.3 36.5#

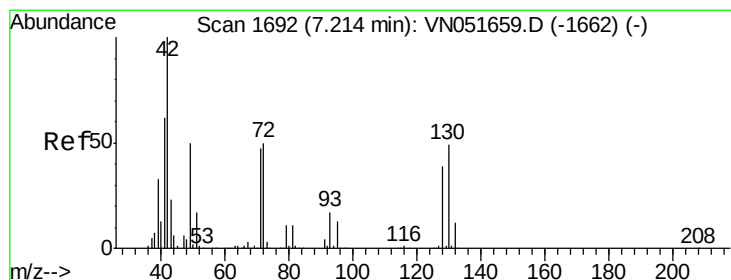
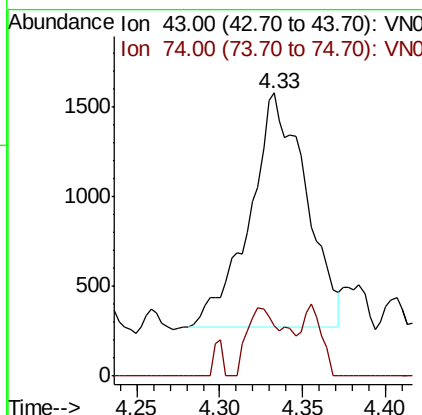
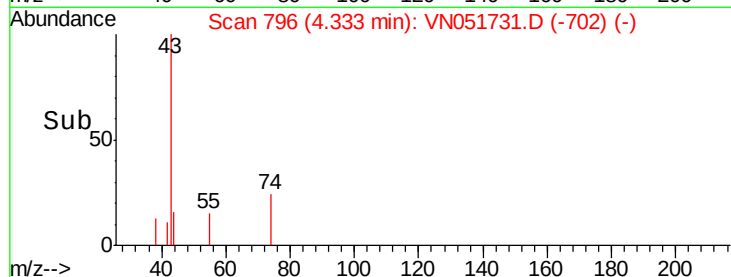
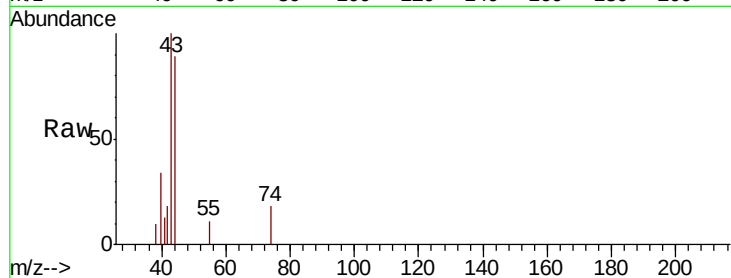




#18  
Methyl Acetate  
Concen: 0.589 ug/l  
RT: 4.33 min Scan# 796  
Delta R.T. 0.00 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

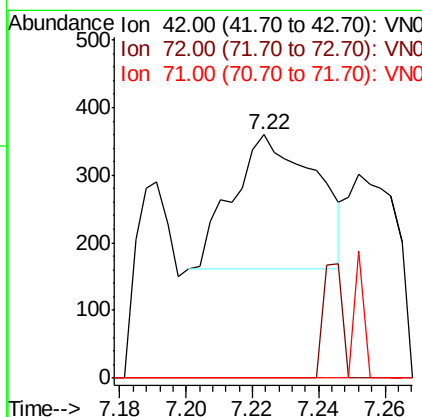
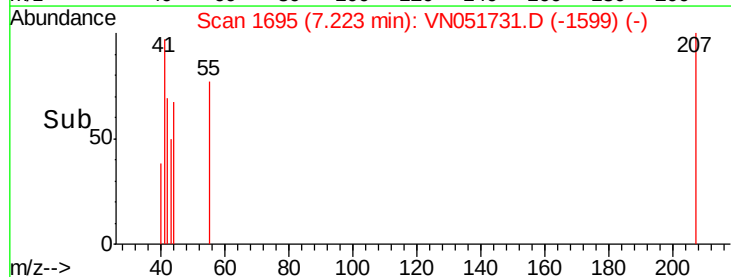
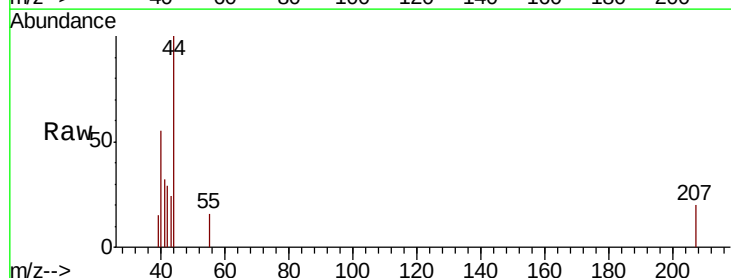
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-MW-D-092718(7-10)

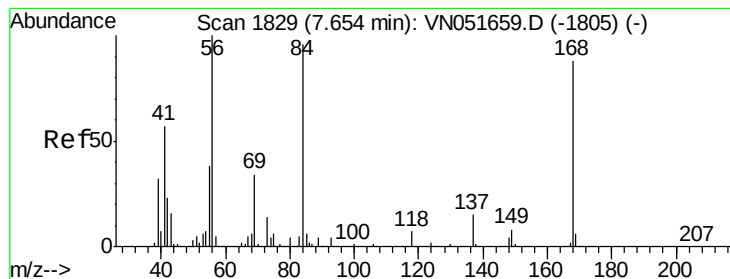
Tot Ion: 43 Resp: 3078  
Ion Ratio Lower Upper  
43 100  
74 19.8 21.5 32.3#



#29  
Tetrahydrofuran  
Concen: 0.206 ug/l  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.01 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

Tgt Ion: 42 Resp: 345  
Ion Ratio Lower Upper  
42 100  
72 0.0 40.1 60.1#  
71 0.0 38.0 57.0#





#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

EP1-MW-D-092718(7-10)

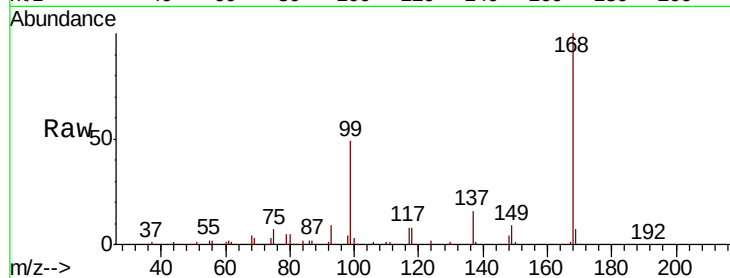
Tot Ion: 56 Resp: 14242

Ion Ratio Lower Upper

56 100

69 124.2 27.5 41.3#

84 102.7 76.7 115.1

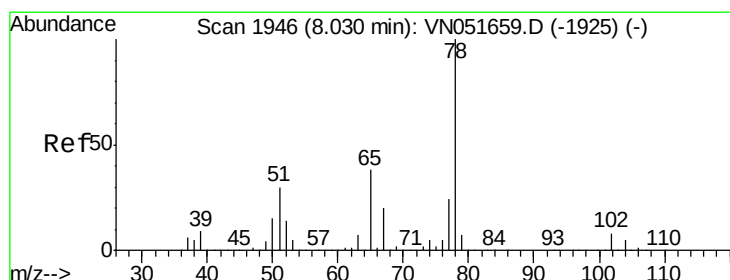
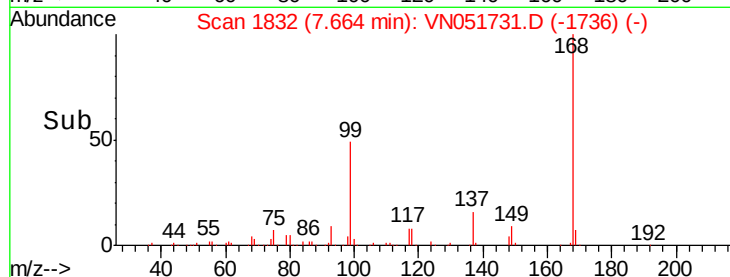
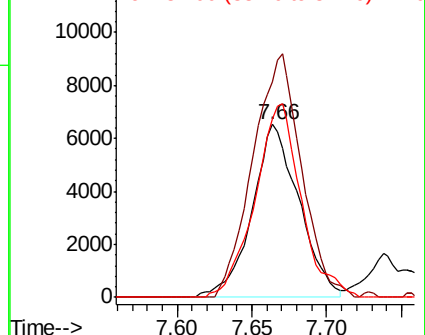


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051731.D

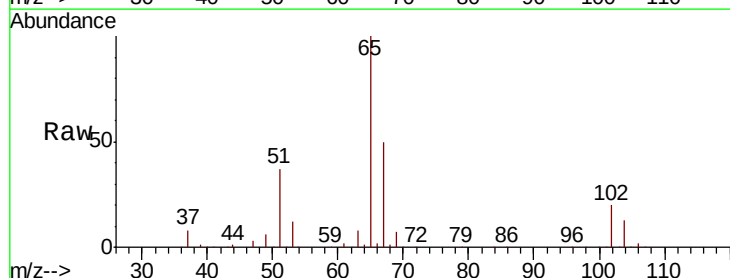
Acq: 8 Oct 2018 13:20

Tgt Ion: 65 Resp: 421538

Ion Ratio Lower Upper

65 100

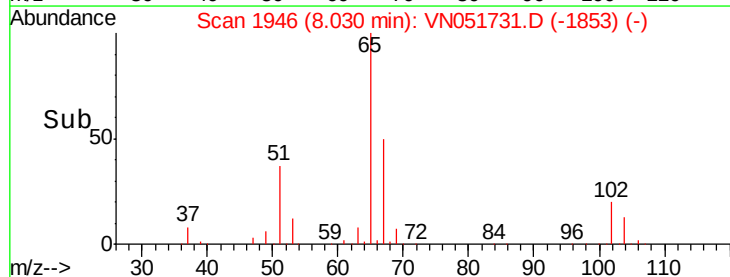
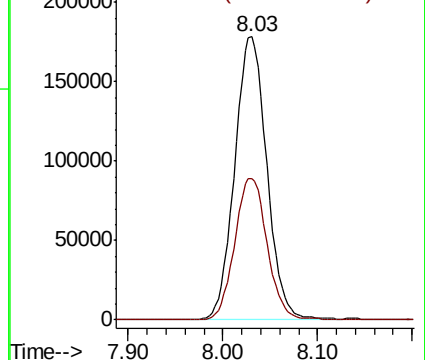
67 50.4 0.0 103.6

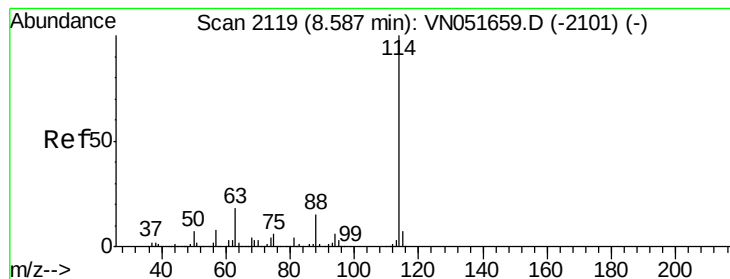


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

EP1-MW-D-092718(7-10)

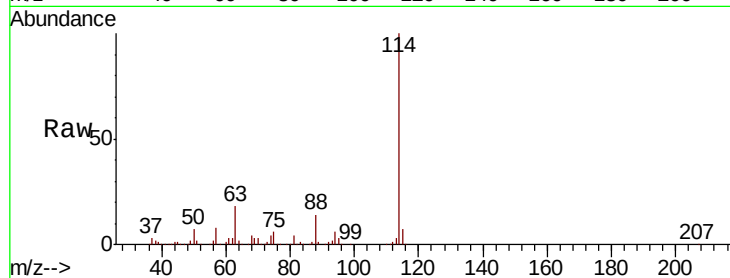
Tot Ion:114 Resp: 1023259

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

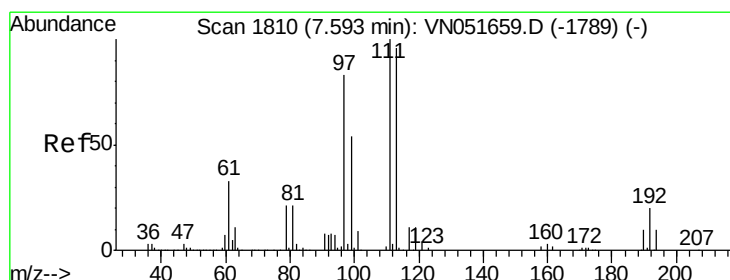
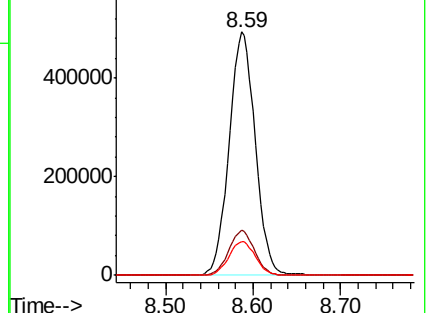
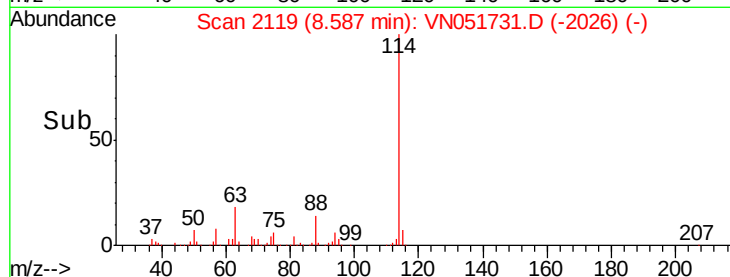
88 13.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

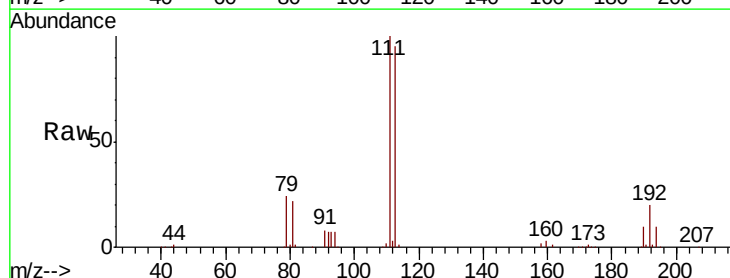
Tgt Ion:113 Resp: 382358

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

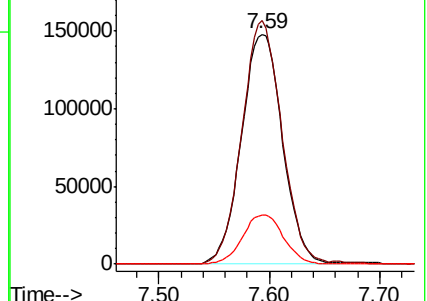
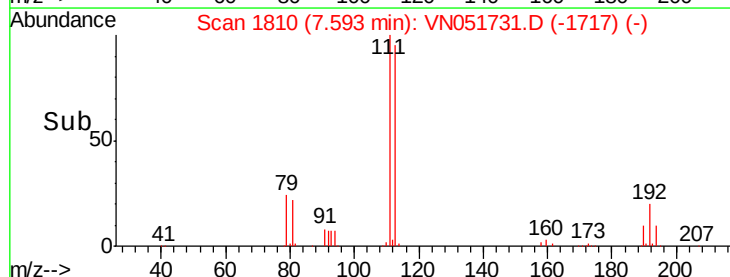
192 21.5 16.5 24.7



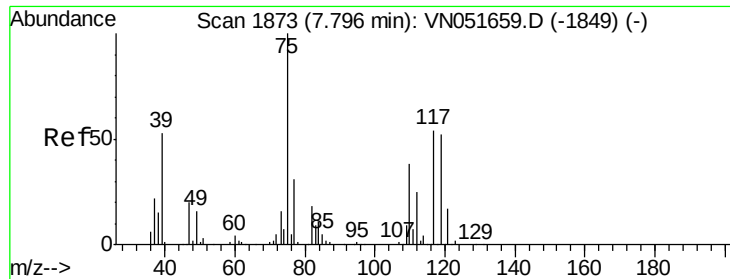
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



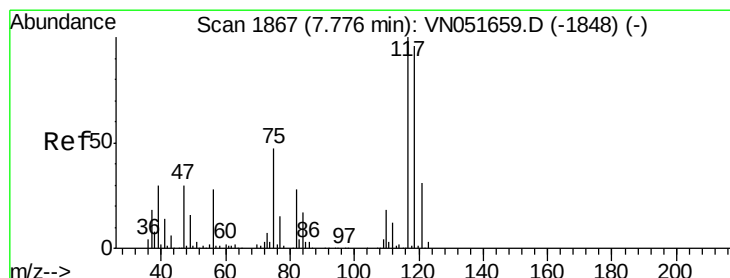
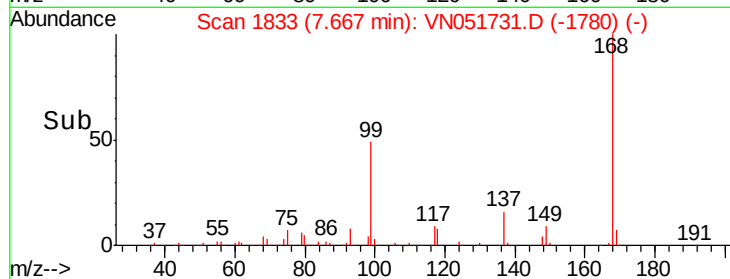
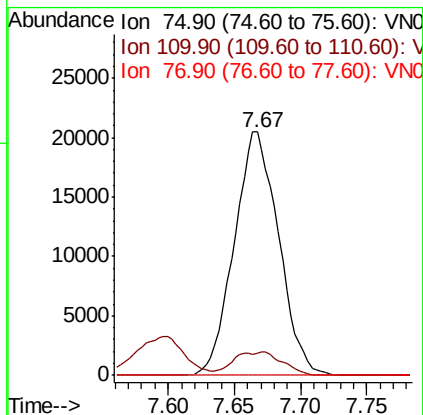
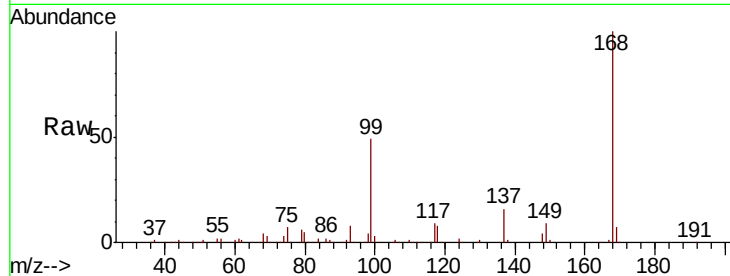




#36  
 1,1-Dichloropropene  
 Concen: 4.461 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN051731.D  
 Acq: 8 Oct 2018 13:20

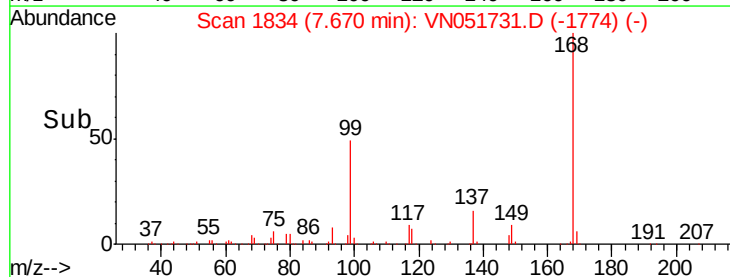
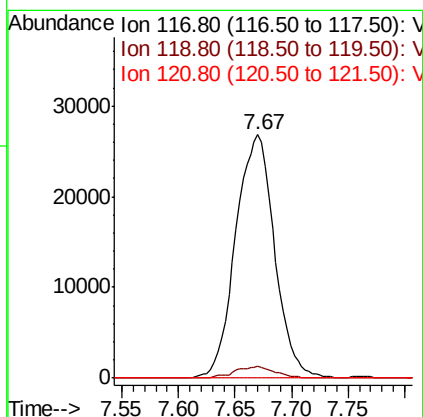
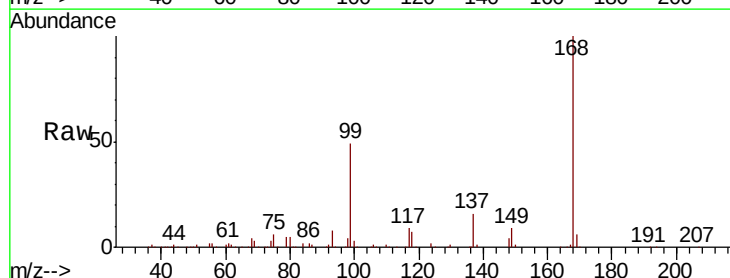
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-MW-D-092718(7-10)

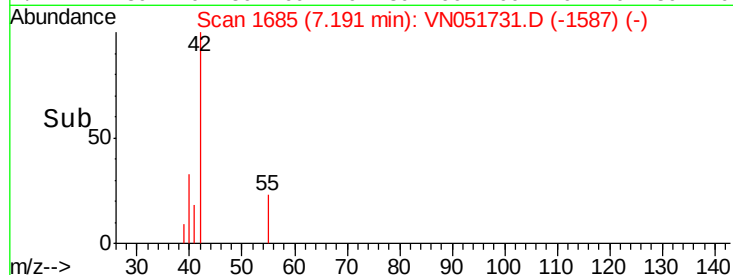
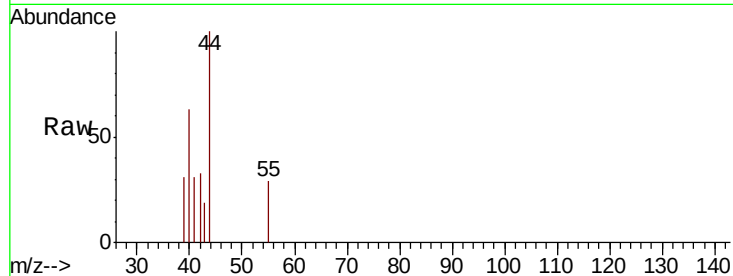
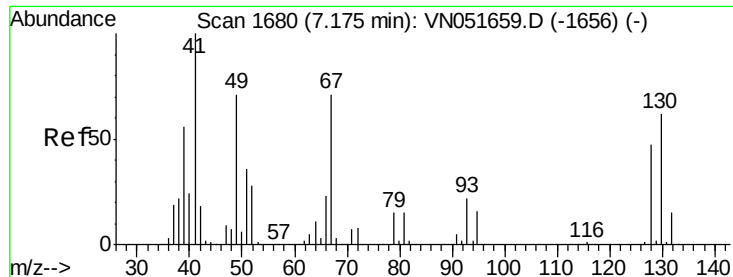
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 3.5   | 19.3  | 57.8# |
| 77      | 0.0   | 24.7  | 37.1# |



#38  
 Carbon Tetrachloride  
 Concen: 5.000 ug/l  
 RT: 7.67 min Scan# 1834  
 Delta R.T. -0.11 min  
 Lab File: VN051731.D  
 Acq: 8 Oct 2018 13:20

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 4.8   | 77.0  | 115.6# |
| 121     | 0.0   | 25.0  | 37.6#  |

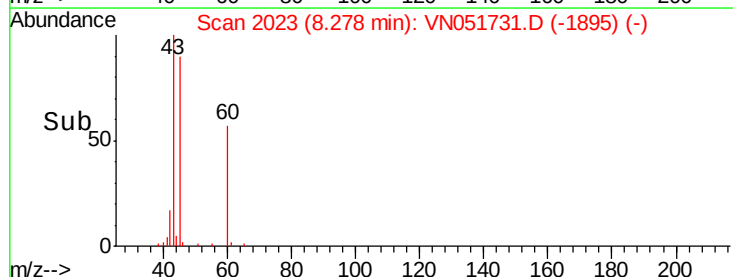
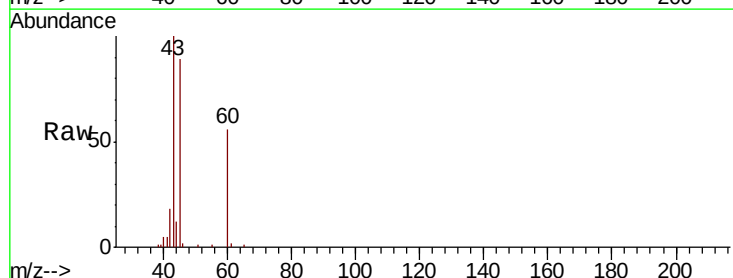
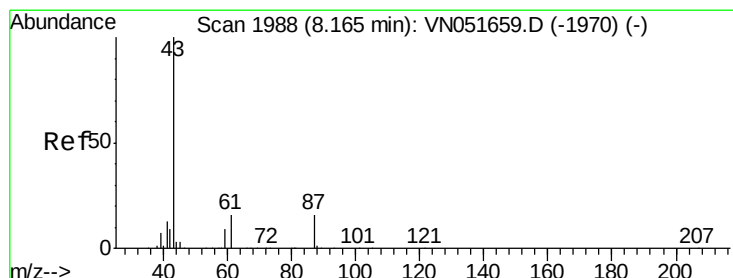
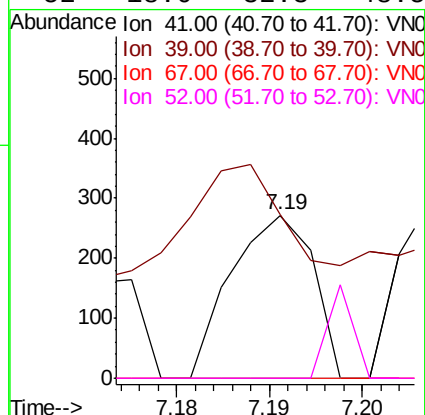




#41  
Methacrylonitrile  
Concen: Below Cal  
RT: 7.19 min Scan# 1685  
Delta R.T. 0.02 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

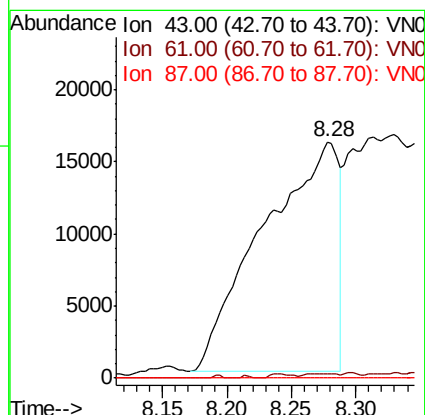
Instrument :  
MSVOA\_N  
ClientSampled :  
EP1-MW-D-092718(7-10)

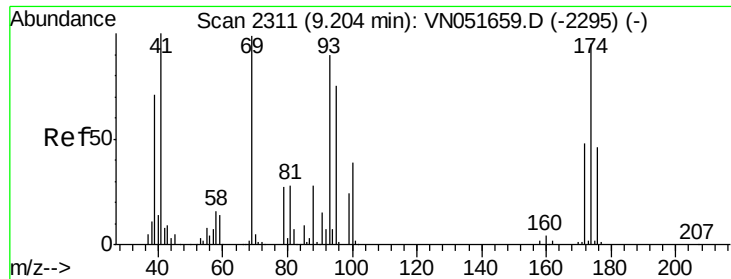
Tot Ion: 41 Resp: 167  
Ion Ratio Lower Upper  
41 100  
39 212.6 53.9 80.9#  
67 0.0 78.1 117.1#  
52 18.0 32.3 48.5#



#43  
Isopropyl Acetate  
Concen: 5.589 ug/l  
RT: 8.28 min Scan# 2023  
Delta R.T. 0.11 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

Tgt Ion: 43 Resp: 65001  
Ion Ratio Lower Upper  
43 100  
61 0.5 15.8 23.6#  
87 0.0 12.6 19.0#

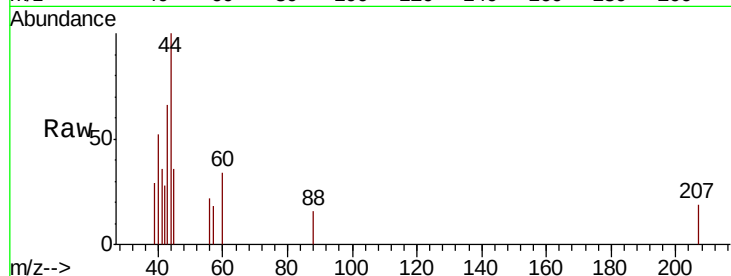




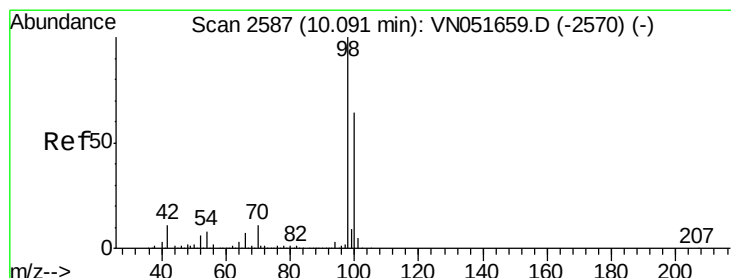
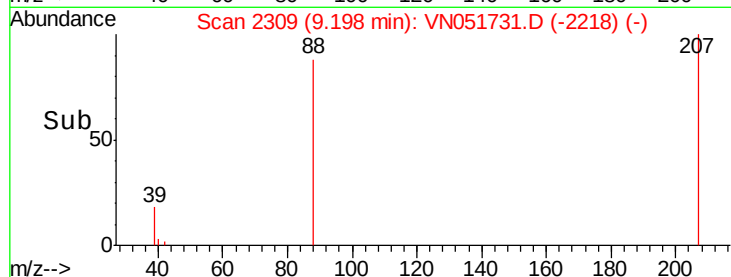
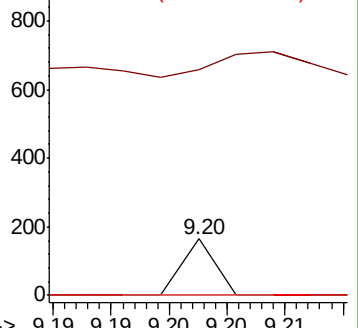
#49  
1,4-Dioxane  
Concen: 0.402 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. -0.01 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-MW-D-092718(7-10)

Tot Ion: 88 Resp: 32  
Ion Ratio Lower Upper  
88 100  
43 0.0 24.5 36.7#  
58 0.0 47.6 71.4#

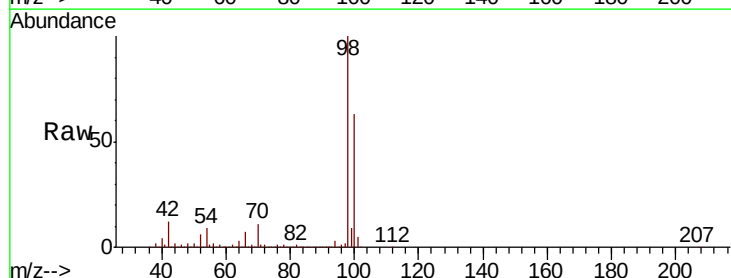


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

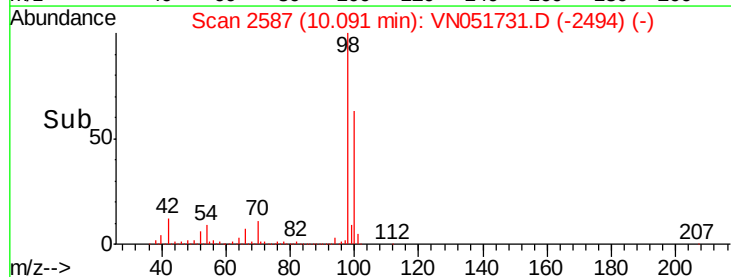
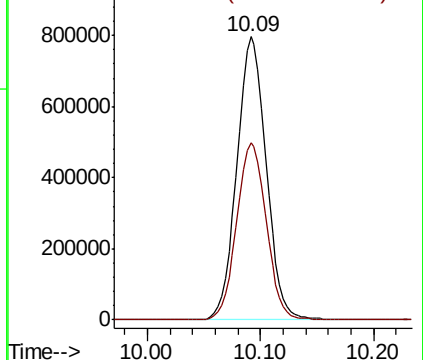


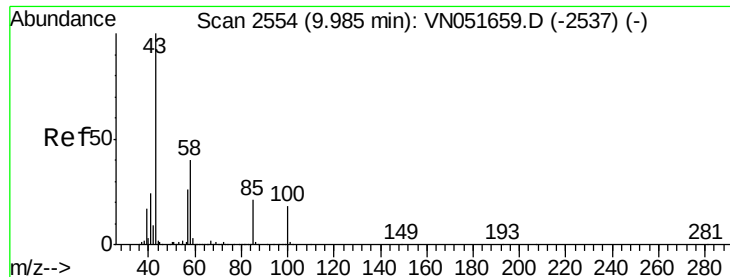
#50  
Toluene-d8  
Concen: 0.402 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

Tgt Ion: 98 Resp: 1441178  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.367 ug/l

RT: 10.02 min Scan# 2565

Delta R.T. 0.04 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

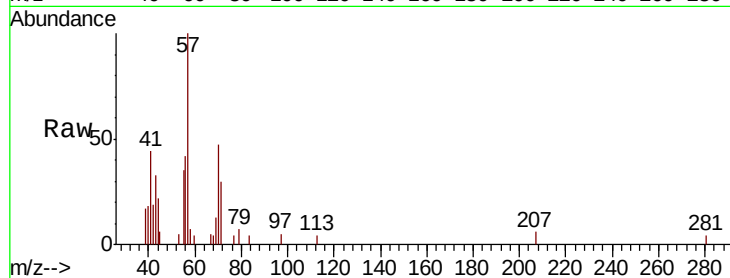
EP1-MW-D-092718(7-10)

Tot Ion: 43 Resp: 2160

Ion Ratio Lower Upper

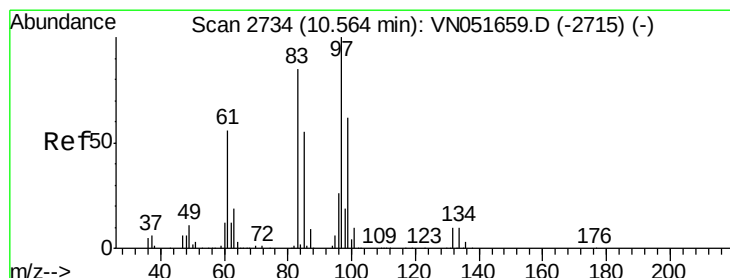
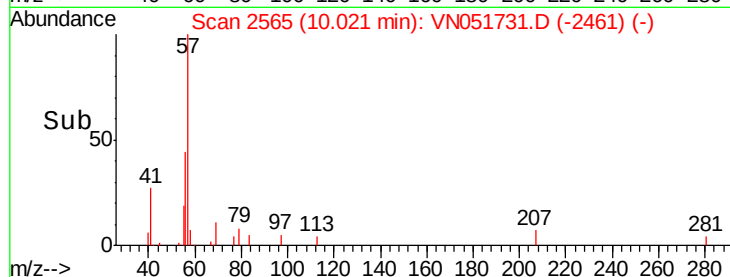
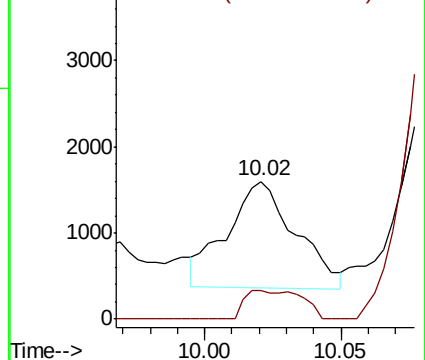
43 100

58 22.3 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#55

1,1,2-Trichloroethane

Concen: 11.724 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Tgt Ion: 97 Resp: 88074

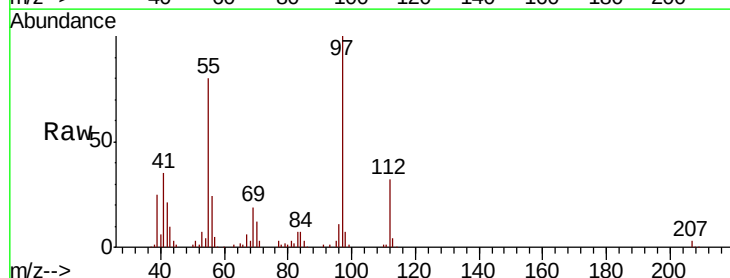
Ion Ratio Lower Upper

97 100

83 7.2 68.1 102.1#

85 2.9 43.6 65.4#

99 0.5 49.4 74.0#

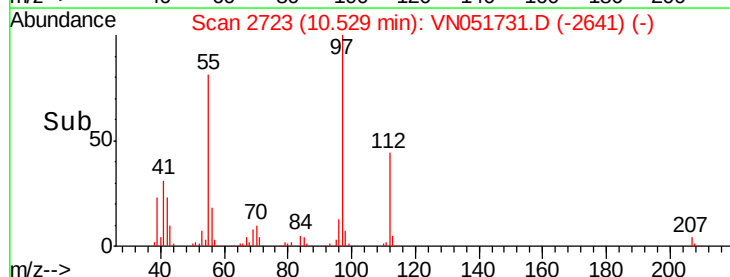
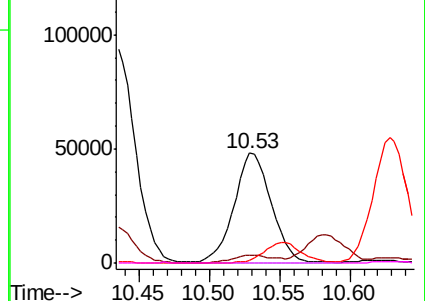


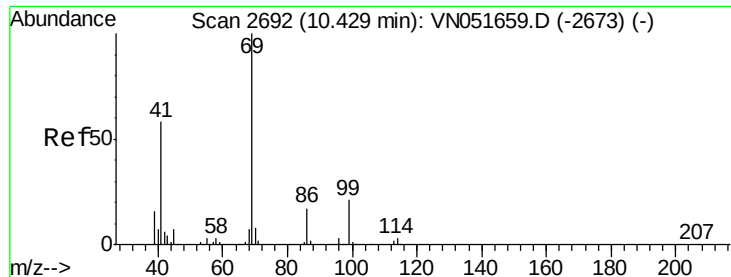
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 4.280 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

EP1-MW-D-092718(7-10)

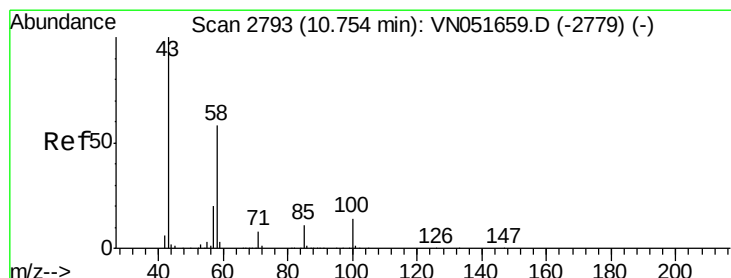
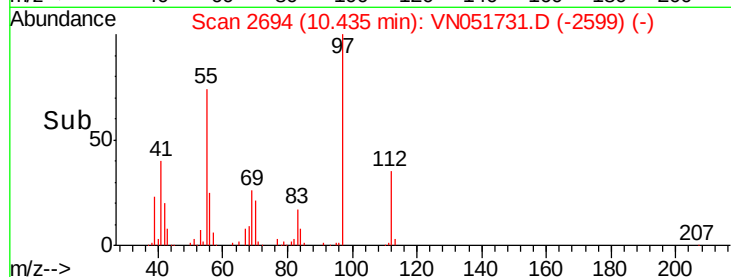
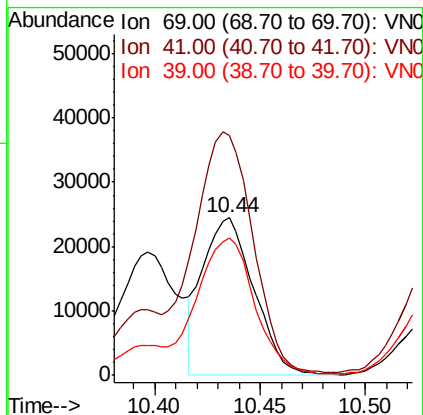
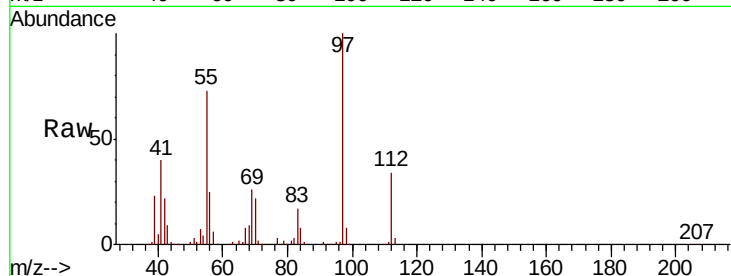
Tot Ion: 69 Resp: 40659

Ion Ratio Lower Upper

69 100

41 179.5 46.4 69.6#

39 97.9 32.4 48.6#



#59

2-Hexanone

Concen: 151.693 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.04 min

Lab File: VN051731.D

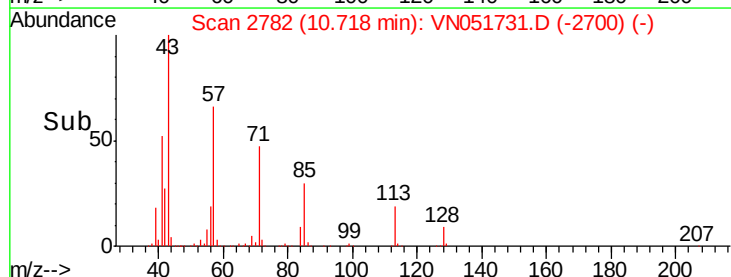
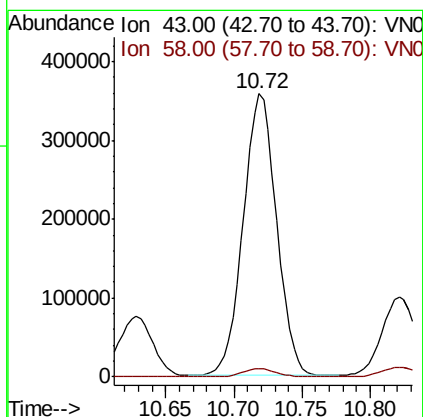
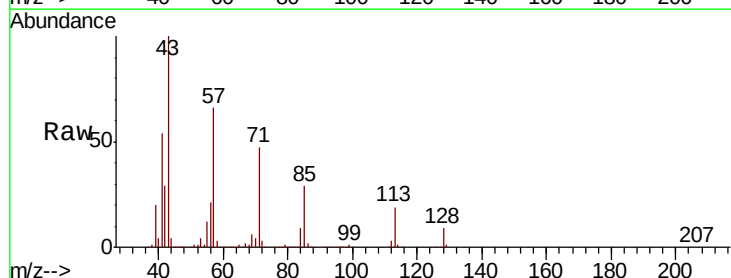
Acq: 8 Oct 2018 13:20

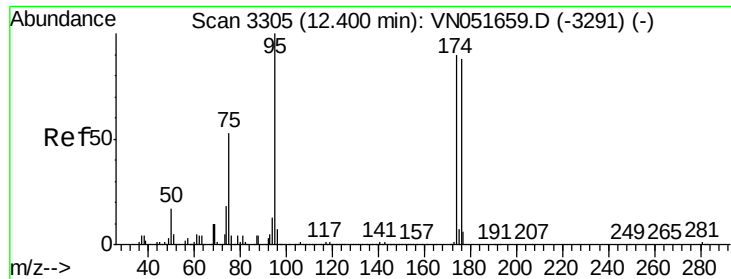
Tgt Ion: 43 Resp: 607134

Ion Ratio Lower Upper

43 100

58 3.0 28.8 86.4#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

EP1-MW-D-092718(7-10)

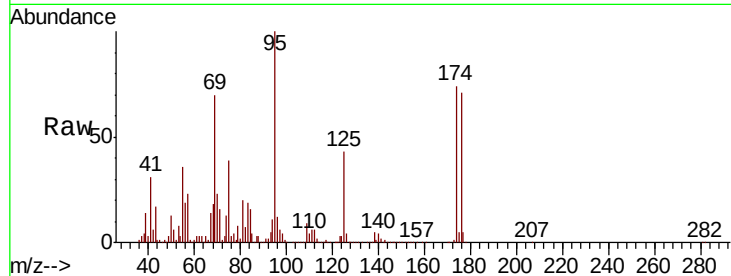
Tot Ion: 95 Resp: 815128

Ion Ratio Lower Upper

95 100

174 73.2 0.0 182.8

176 71.0 0.0 176.4



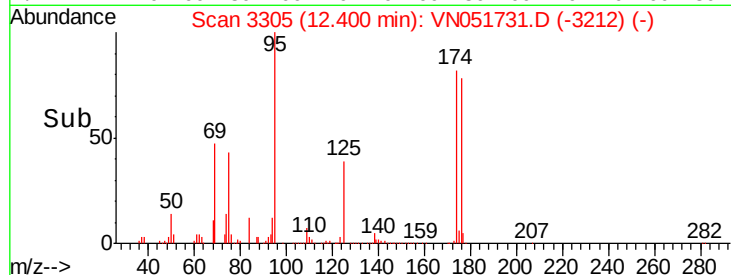
Abundance Ion 94.90 (94.60 to 95.60): VN051659.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051659.D (-3291) (-)

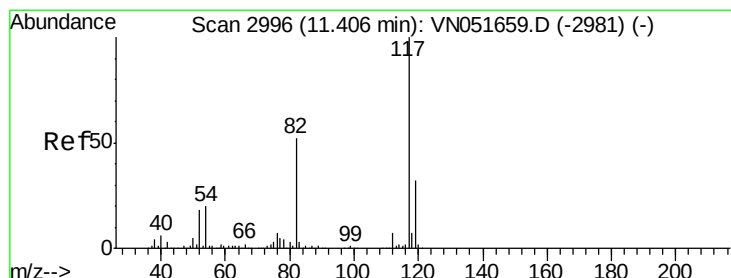
Ion 175.80 (175.50 to 176.50): VN051659.D (-3291) (-)

12.40

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

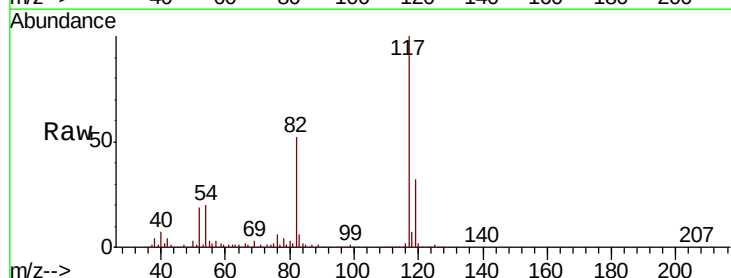
Tgt Ion: 117 Resp: 979910

Ion Ratio Lower Upper

117 100

82 47.3 41.3 61.9

119 31.9 25.9 38.9



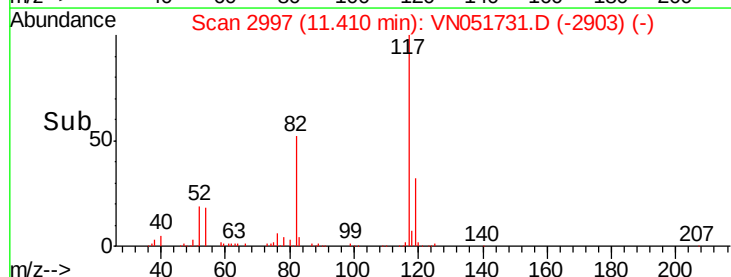
Abundance Ion 116.90 (116.60 to 117.60): VN051659.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051659.D (-2981) (-)

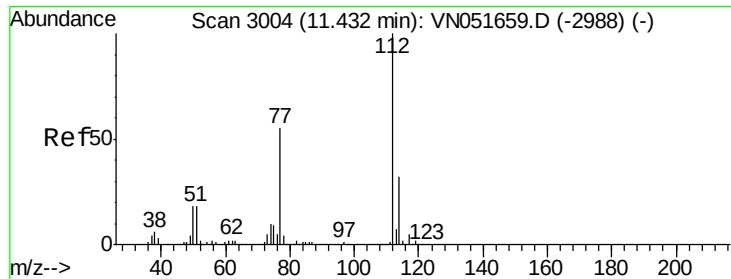
Ion 118.90 (118.60 to 119.60): VN051659.D (-2981) (-)

11.41

Time-->



Time-->



#65

Chlorobenzene

Concen: 1.336 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.11 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

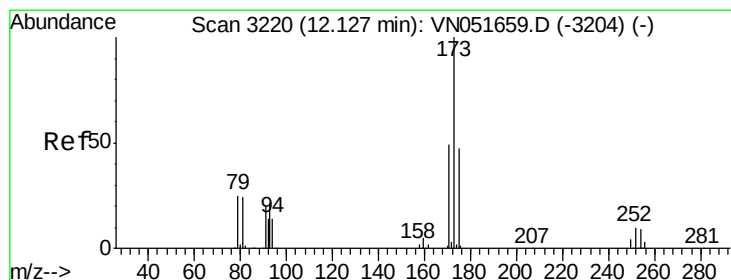
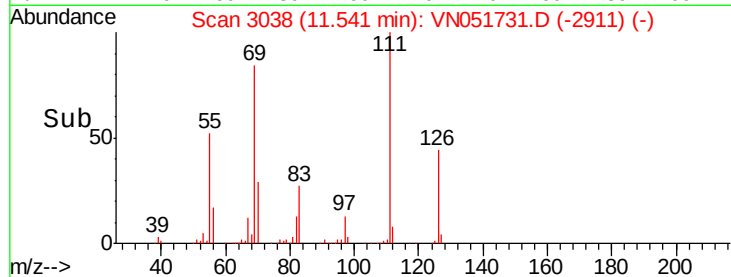
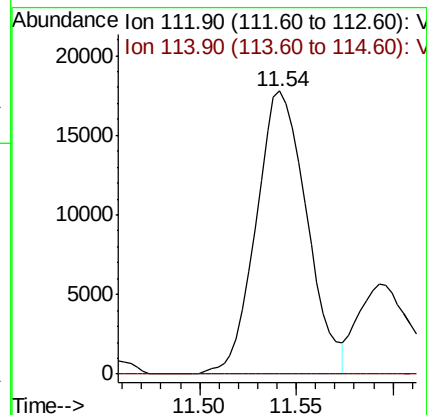
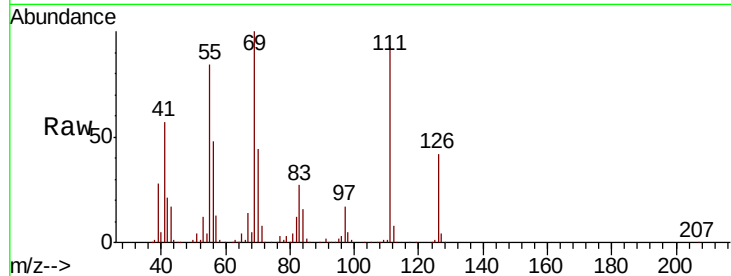
EP1-MW-D-092718(7-10)

Tot Ion:112 Resp: 32432

Ion Ratio Lower Upper

112 100

114 0.0 25.9 38.9#



#71

Bromoform

Concen: 0.635 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

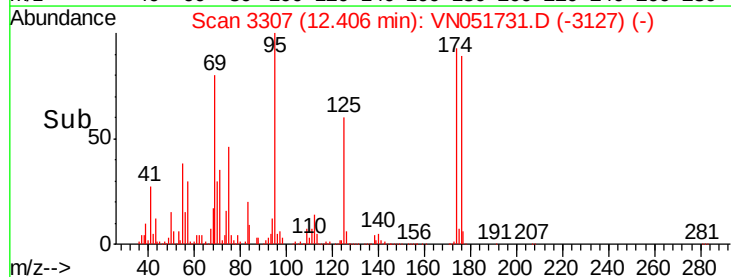
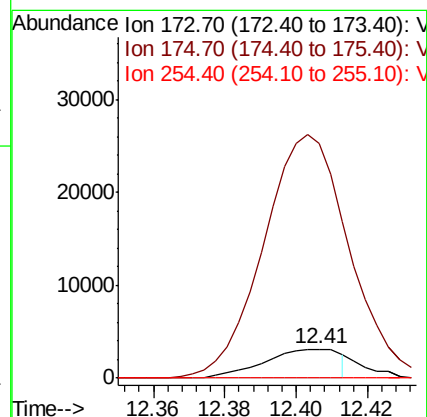
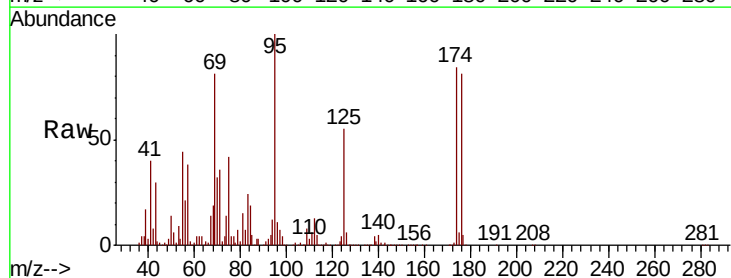
Tgt Ion:173 Resp: 4587

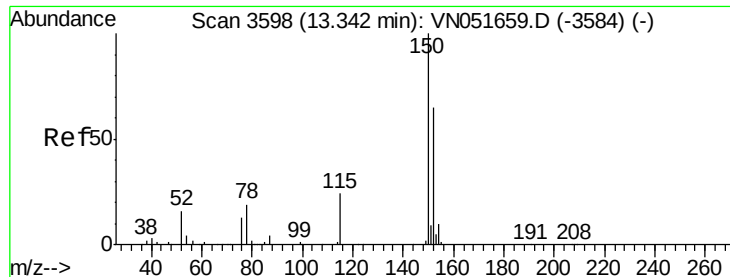
Ion Ratio Lower Upper

173 100

175 810.2 24.0 72.0#

254 0.0 0.1 0.1#

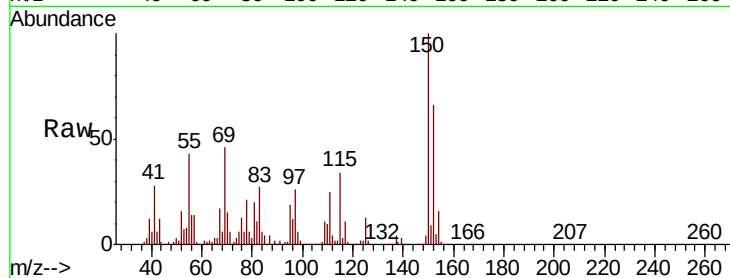




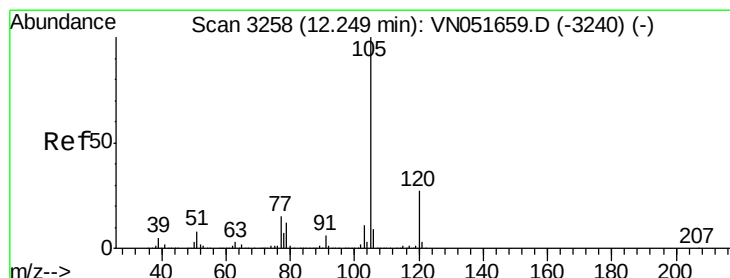
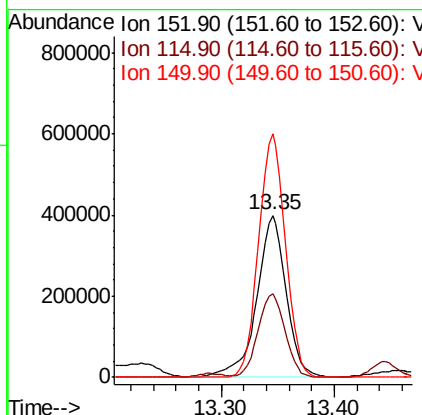
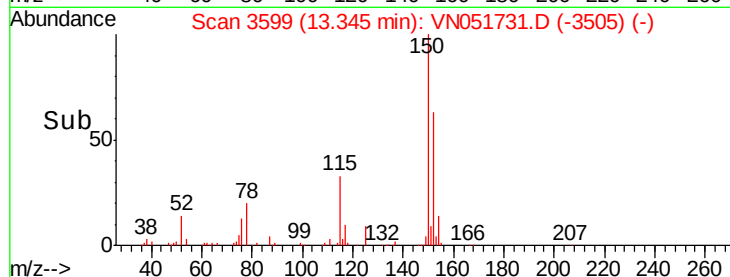
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.35 min Scan# 3599  
 Delta R.T. 0.00 min  
 Lab File: VN051731.D  
 Acq: 8 Oct 2018 13:20

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-MW-D-092718(7-10)

Tot Ion:152 Resp: 711259  
 Ion Ratio Lower Upper  
 152 100  
 115 47.6 28.6 85.8  
 150 138.7 0.0 352.4

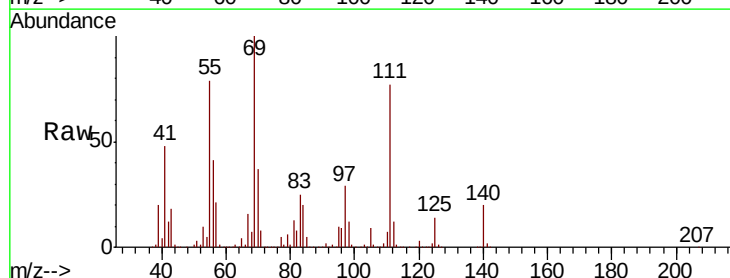


Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 114.90 (114.60 to 115.60): V  
 Ion 149.90 (149.60 to 150.60): V

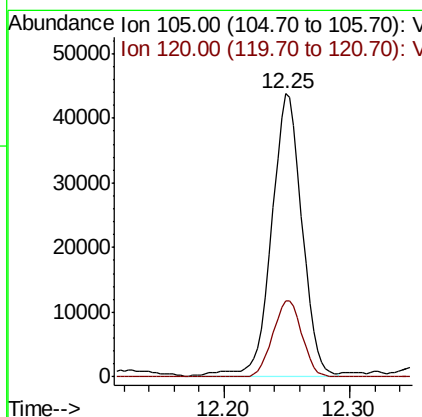
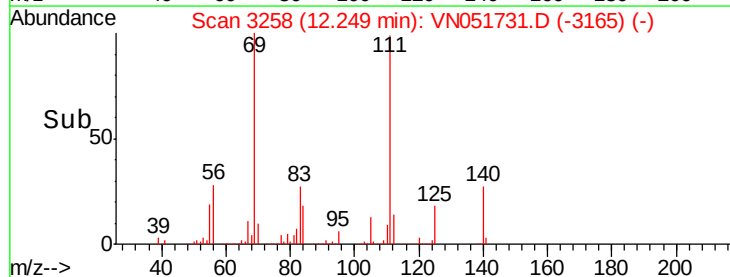


#73  
 Isopropylbenzene  
 Concen: 1.209 ug/l  
 RT: 12.25 min Scan# 3258  
 Delta R.T. 0.00 min  
 Lab File: VN051731.D  
 Acq: 8 Oct 2018 13:20

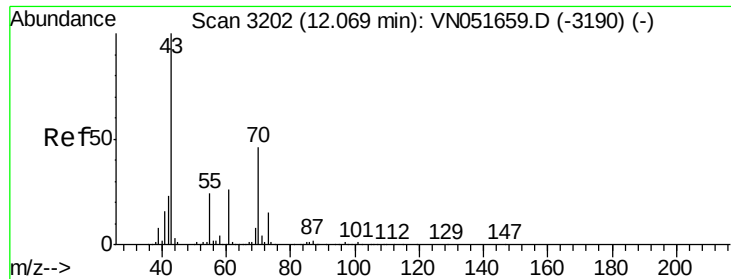
Tgt Ion:105 Resp: 73274  
 Ion Ratio Lower Upper  
 105 100  
 120 26.0 13.9 41.6



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







#74

N-amvl acetate

Concen: 207.536 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

EP1-MW-D-092718(7-10)

Tot Ion: 43 Resp: 2471052

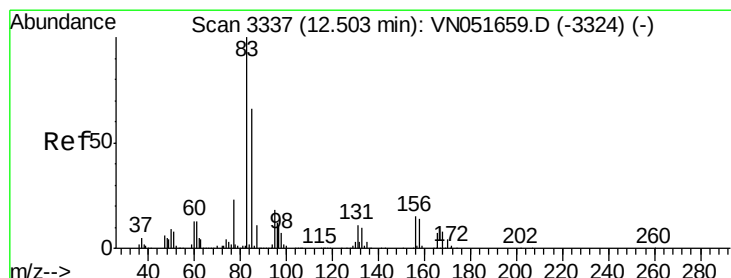
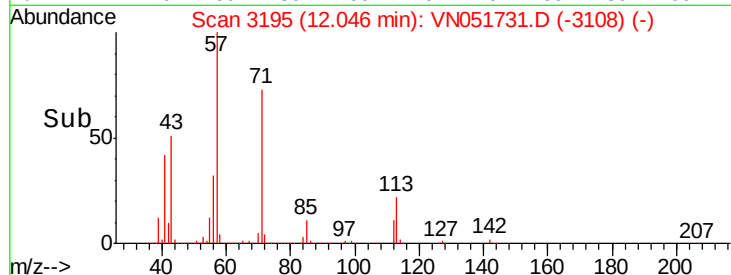
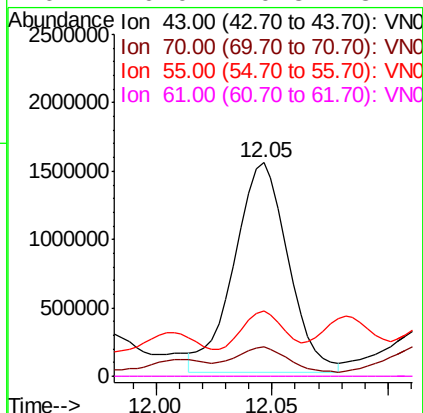
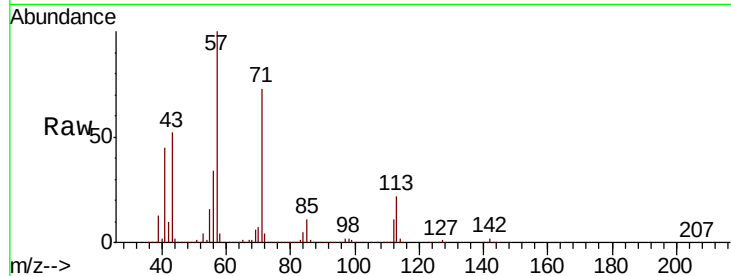
Ion Ratio Lower Upper

43 100

70 10.7 37.1 55.7#

55 13.4 19.1 28.7#

61 0.0 20.8 31.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 16.506 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

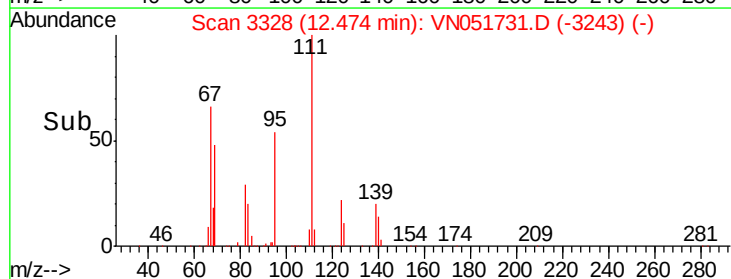
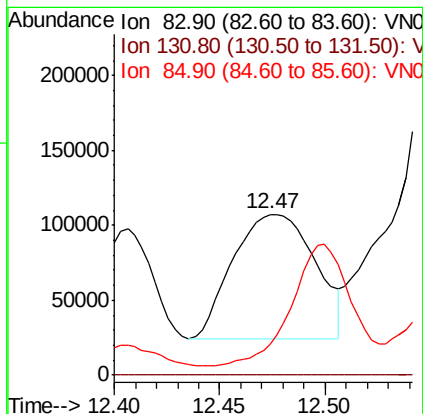
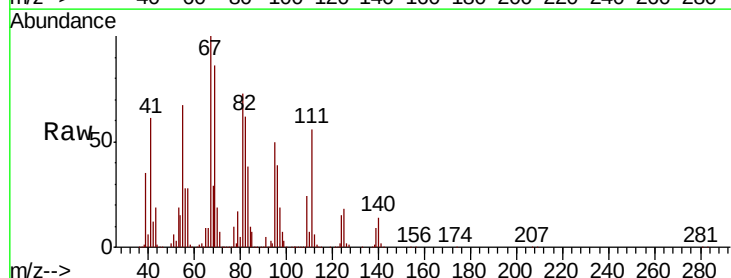
Tgt Ion: 83 Resp: 224520

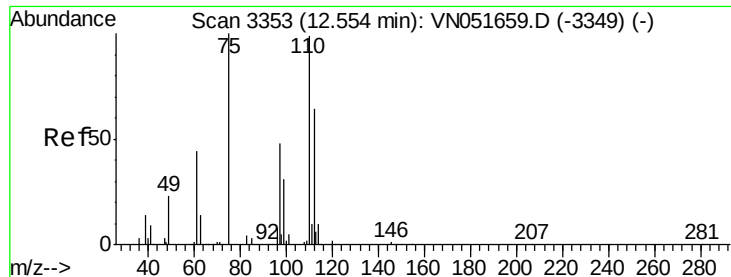
Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

85 0.0 33.0 98.9#





#76

1,2,3-Trichloropropane

Concen: 33.821 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

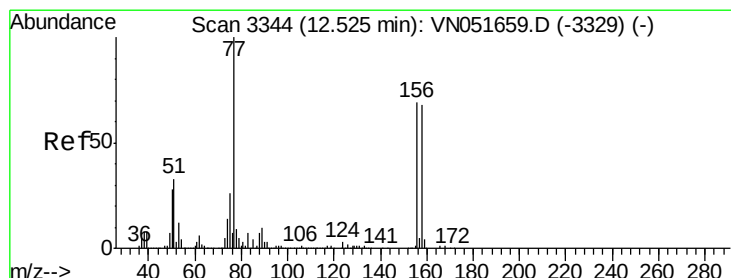
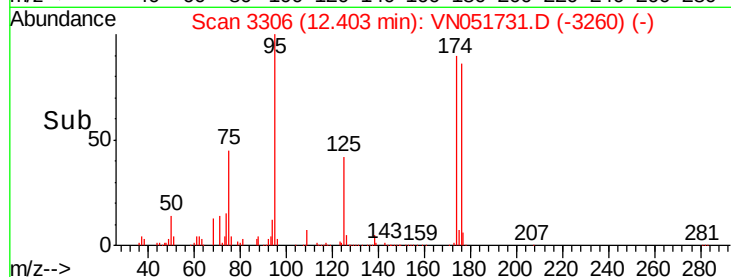
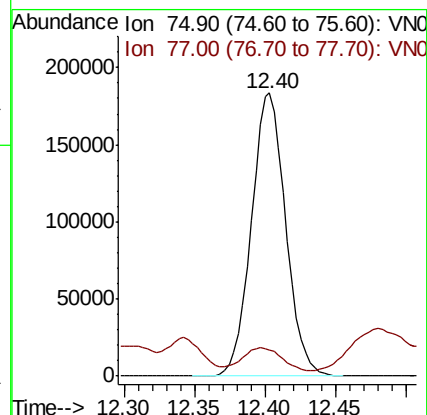
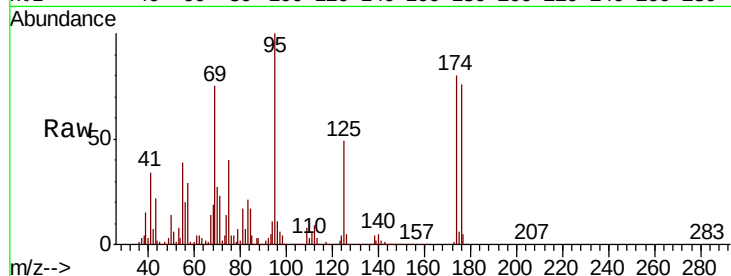
EP1-MW-D-092718(7-10)

Tot Ion: 75 Resp: 310635

Ion Ratio Lower Upper

75 100

77 9.4 0.0 0.0#



#77

Bromobenzene

Concen: 0.210 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.03 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

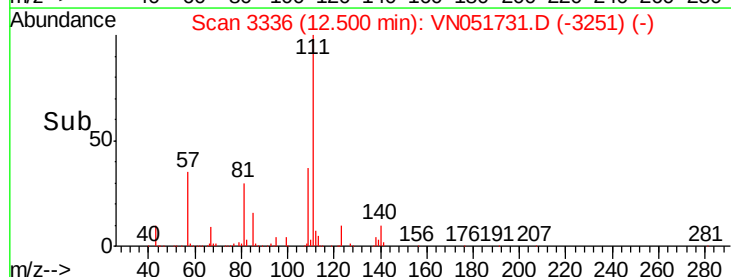
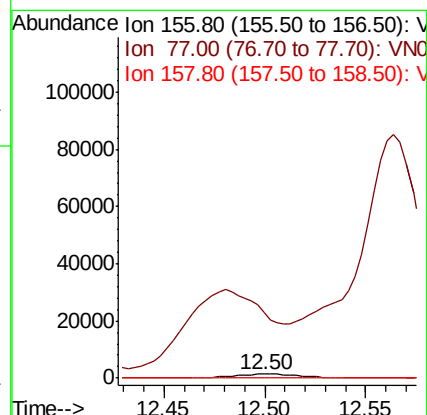
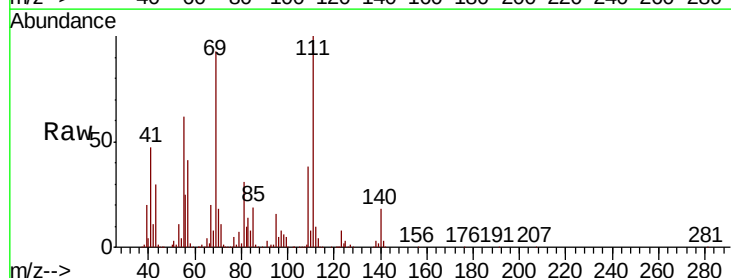
Tgt Ion: 156 Resp: 3109

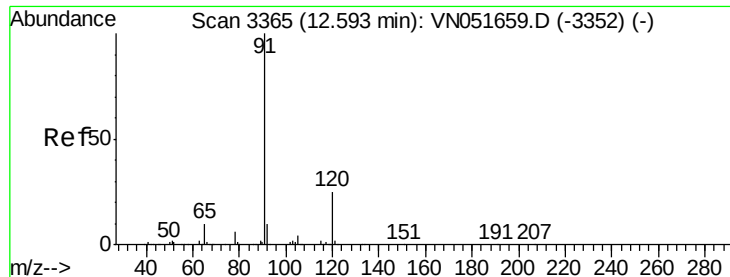
Ion Ratio Lower Upper

156 100

77 2428.7 83.2 249.4#

158 0.0 49.0 147.2#





#78

n-propylbenzene

Concen: 7.481 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

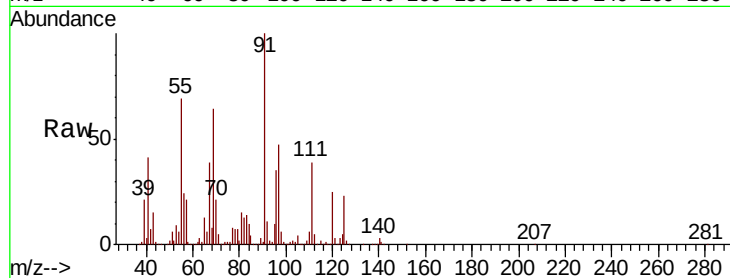
EP1-MW-D-092718(7-10)

Tot Ion: 91 Resp: 494734

Ion Ratio Lower Upper

91 100

120 23.2 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

300000

250000

200000

150000

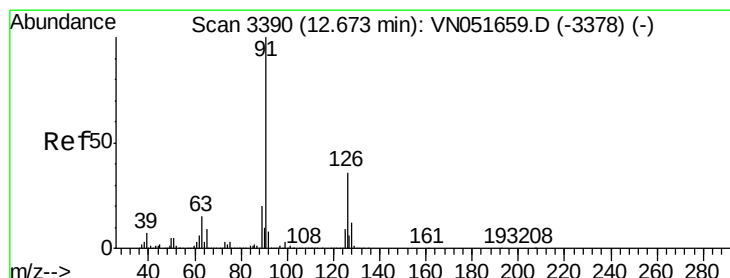
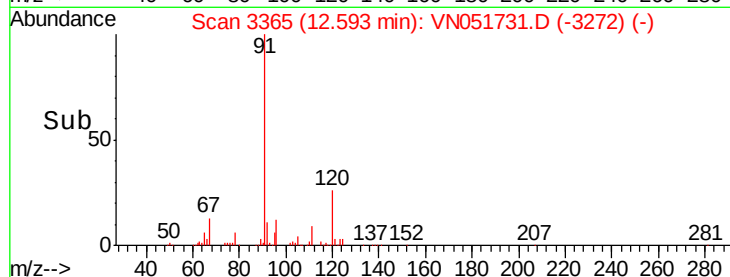
100000

50000

0

Time-->

12.50 12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 0.605 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.19 min

Lab File: VN051731.D

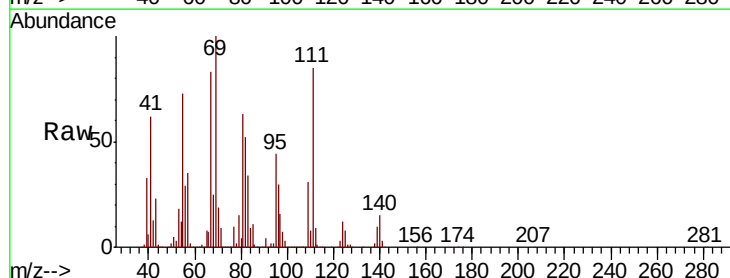
Acq: 8 Oct 2018 13:20

Tgt Ion: 91 Resp: 23589

Ion Ratio Lower Upper

91 100

126 49.9 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.48

25000

20000

15000

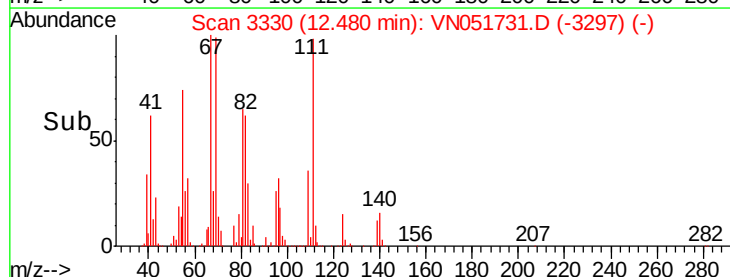
10000

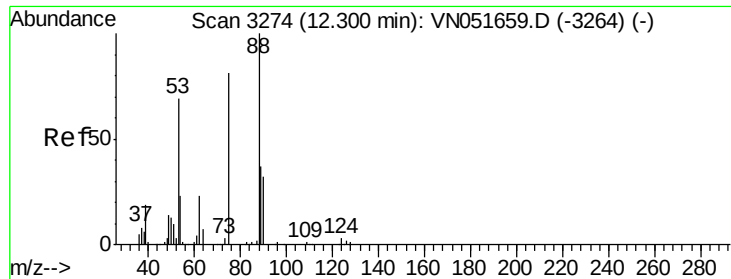
5000

0

Time-->

12.45 12.50





#81

trans-1,4-Dichloro-2-butene

Concen: 80.275 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

EP1-MW-D-092718(7-10)

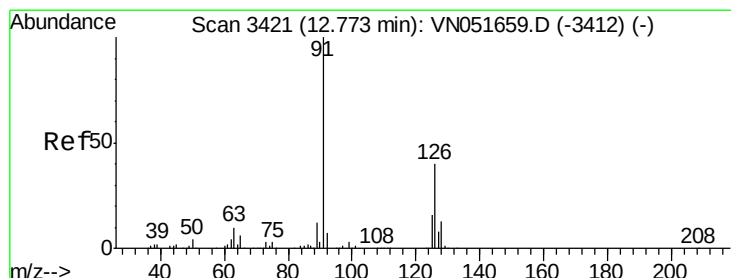
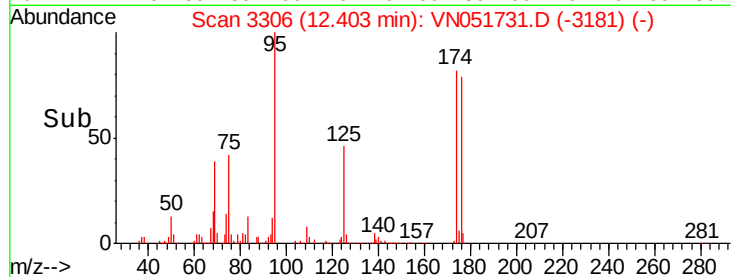
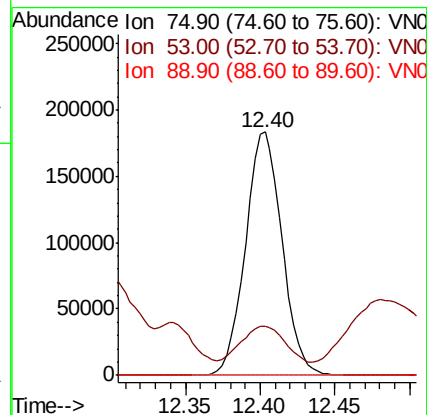
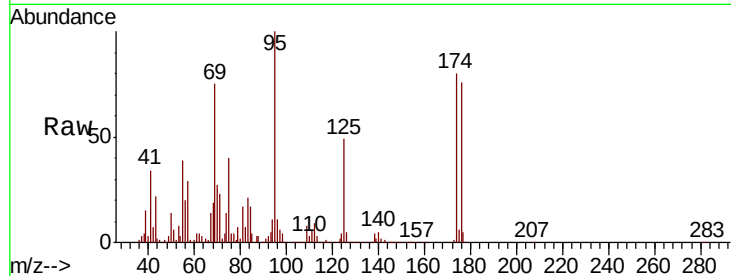
Tot Ion: 75 Resp: 310611

Ion Ratio Lower Upper

75 100

53 17.1 68.6 102.8#

89 0.2 39.4 59.2#



#82

4-Chlorotoluene

Concen: 0.541 ug/l

RT: 12.78 min Scan# 3424

Delta R.T. 0.01 min

Lab File: VN051731.D

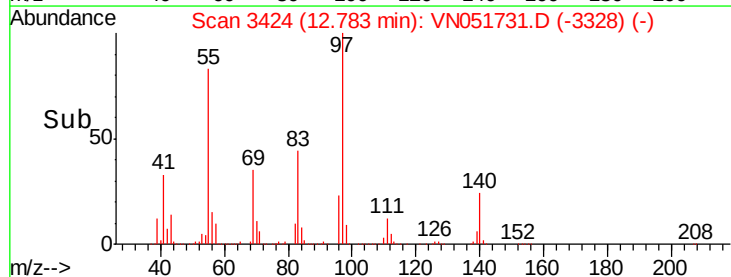
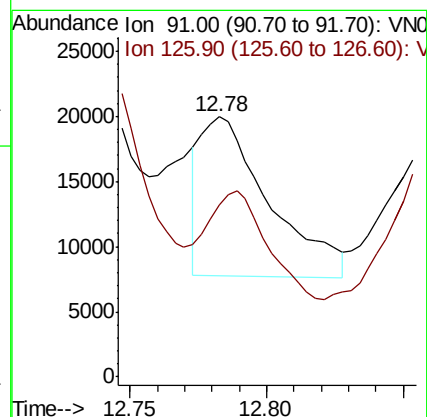
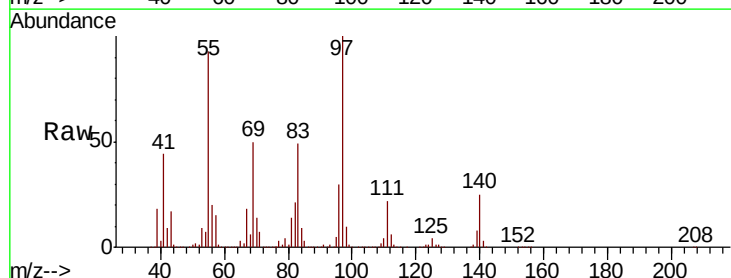
Acq: 8 Oct 2018 13:20

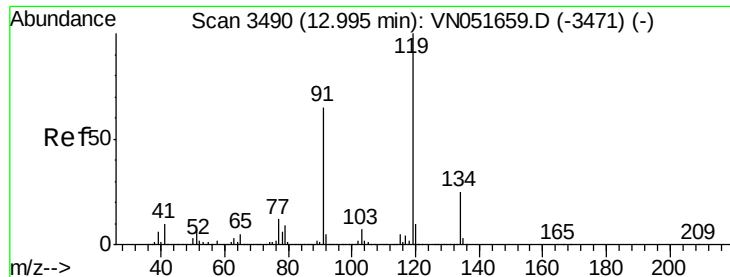
Tgt Ion: 91 Resp: 21187

Ion Ratio Lower Upper

91 100

126 104.2 18.0 54.0#

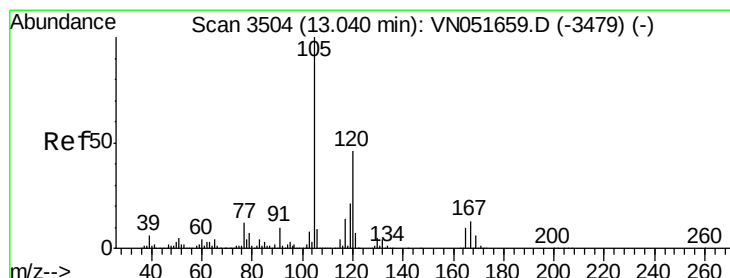
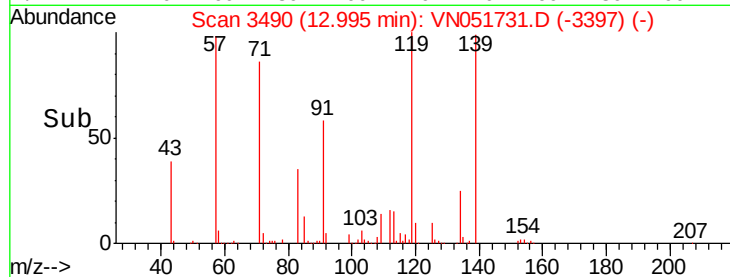
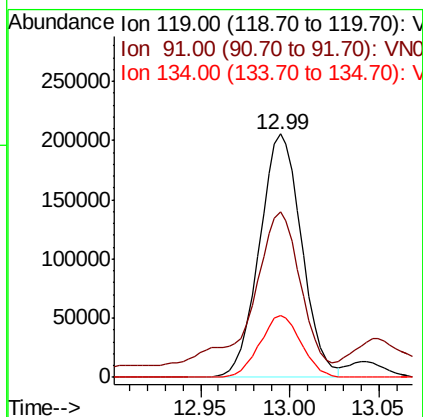
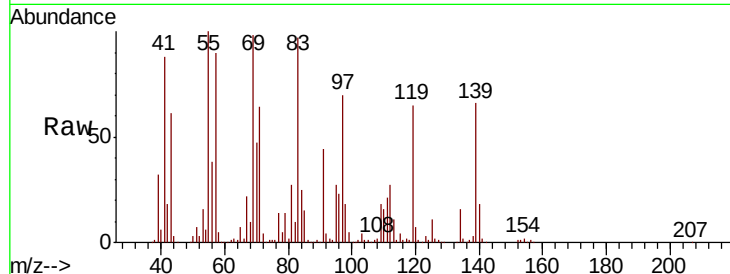




#83  
 tert-Butylbenzene  
 Concen: 7.383 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN051731.D  
 Acq: 8 Oct 2018 13:20

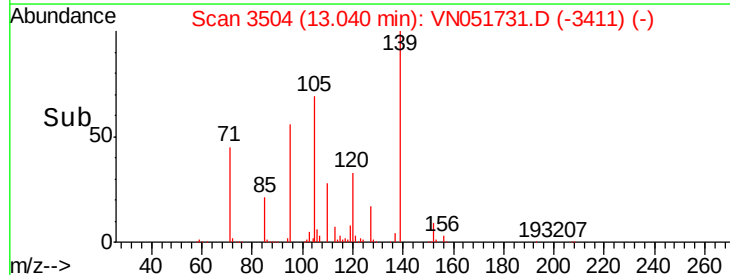
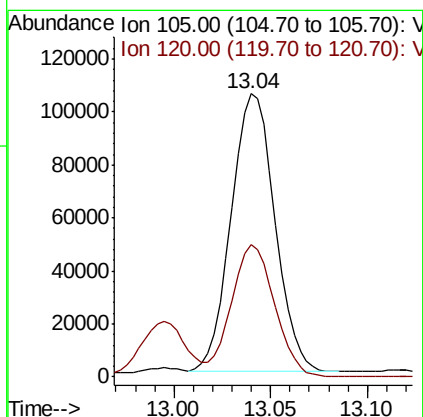
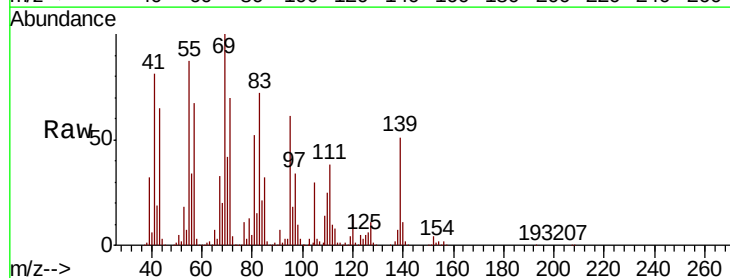
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-MW-D-092718(7-10)

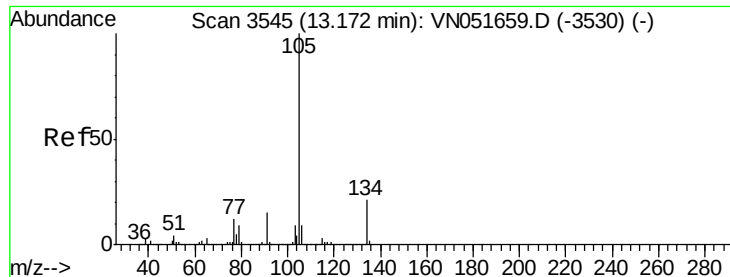
Tot Ion:119 Resp: 338008  
 Ion Ratio Lower Upper  
 119 100  
 91 69.0 32.1 96.5  
 134 24.9 13.3 39.9



#84  
 1,2,4-Trimethylbenzene  
 Concen: 3.226 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN051731.D  
 Acq: 8 Oct 2018 13:20

Tgt Ion:105 Resp: 165123  
 Ion Ratio Lower Upper  
 105 100  
 120 46.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 51.342 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

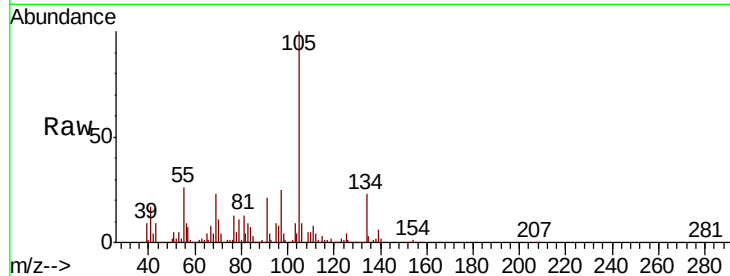
EP1-MW-D-092718(7-10)

Tot Ion:105 Resp: 3109403

Ion Ratio Lower Upper

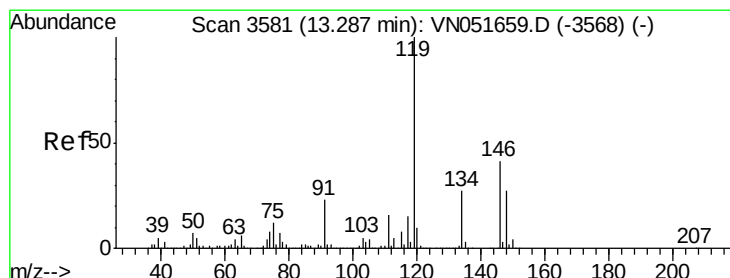
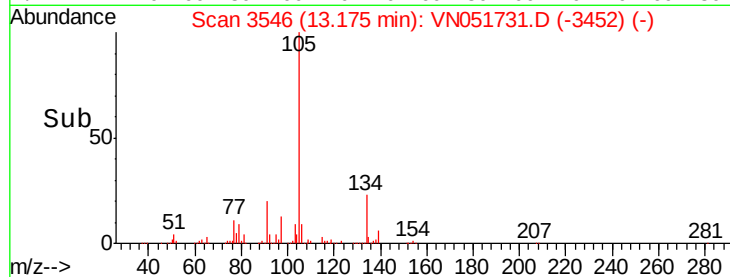
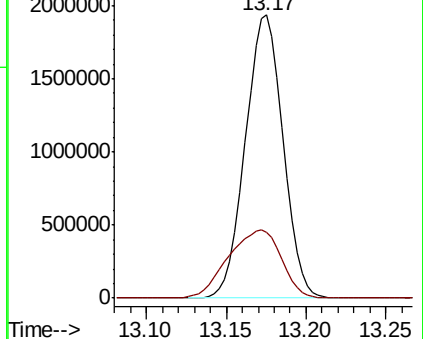
105 100

134 34.1 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.633 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

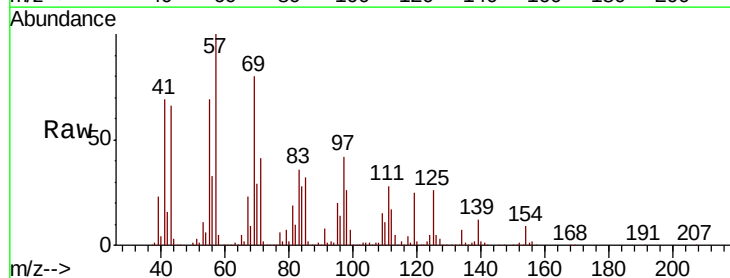
Tgt Ion:119 Resp: 195029

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

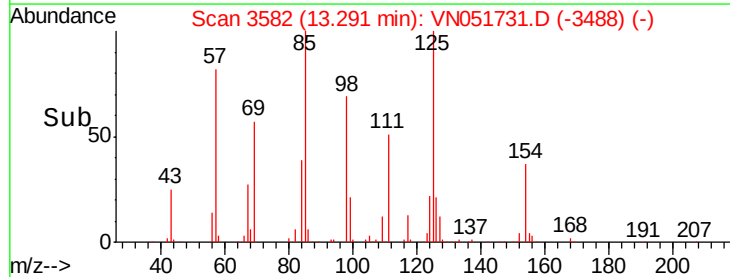
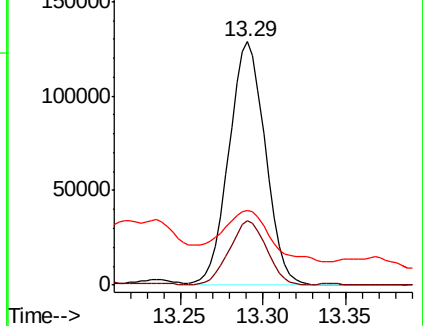
91 27.7 11.7 35.1

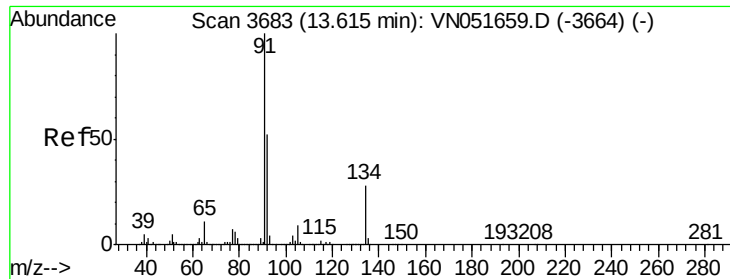


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

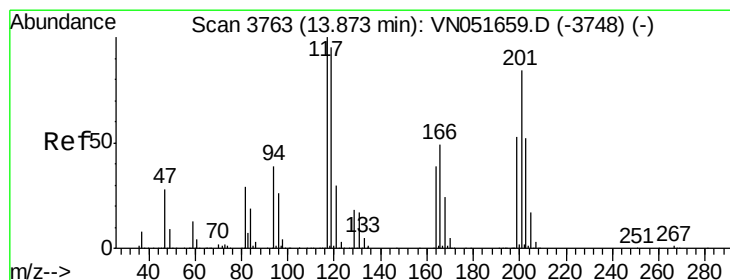
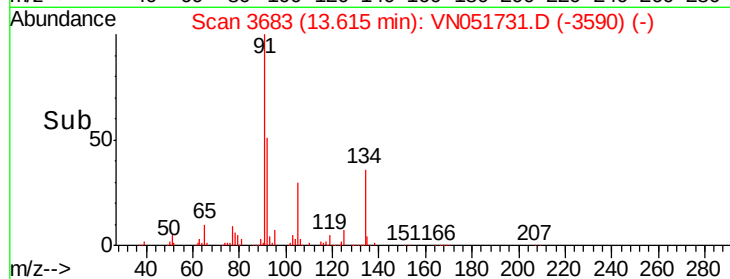
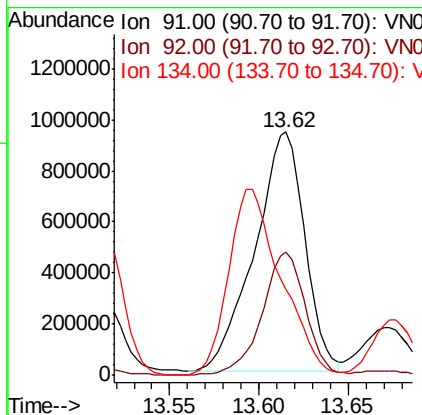
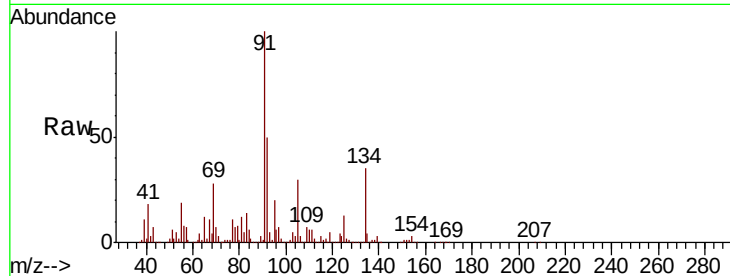




#89  
n-Butylbenzene  
Concen: 43.168 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

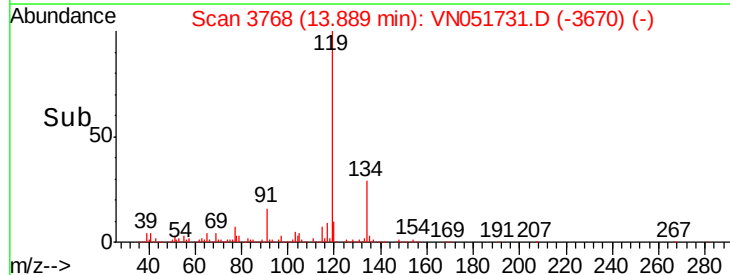
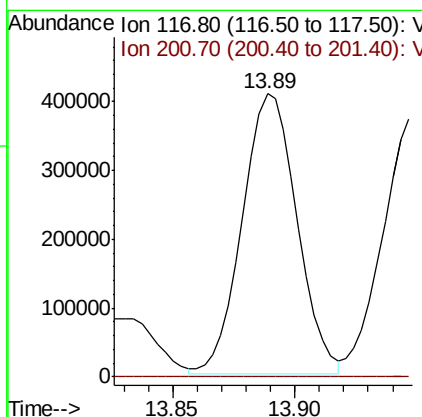
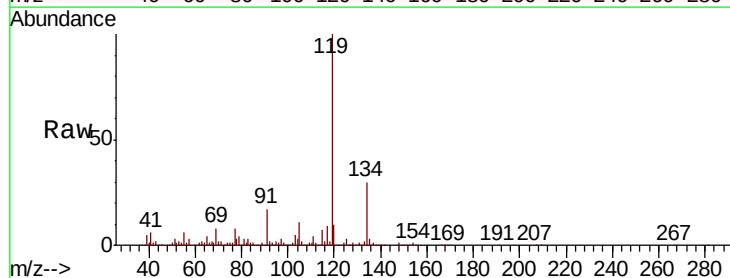
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-MW-D-092718(7-10)

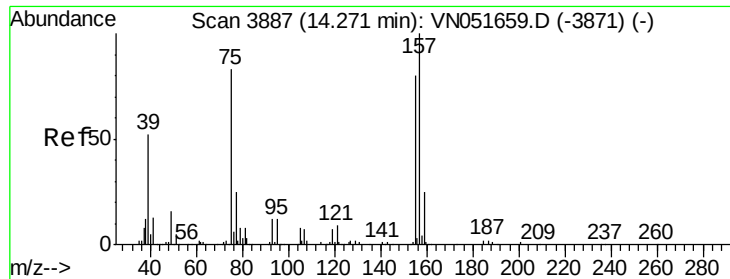
Tot Ion: 91 Resp: 1832499  
Ion Ratio Lower Upper  
91 100  
92 44.2 26.0 78.0  
134 81.1 14.2 42.6#



#90  
Hexachloroethane  
Concen: 59.298 ug/l  
RT: 13.89 min Scan# 3768  
Delta R.T. 0.02 min  
Lab File: VN051731.D  
Acq: 8 Oct 2018 13:20

Tgt Ion: 117 Resp: 635193  
Ion Ratio Lower Upper  
117 100  
201 0.0 42.4 127.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.572 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Instrument :

MSVOA\_N

ClientSampleId :

EP1-MW-D-092718(7-10)

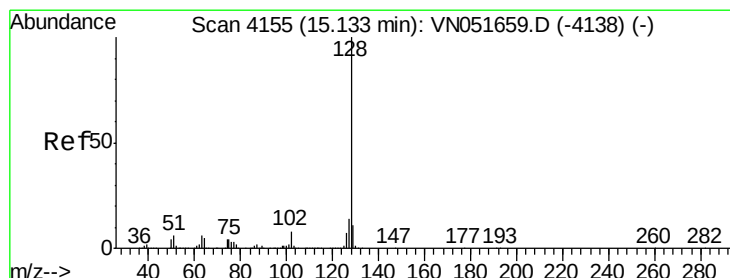
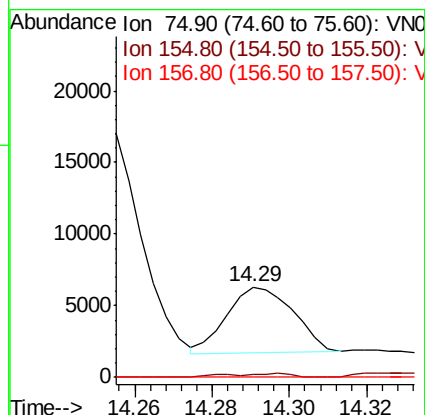
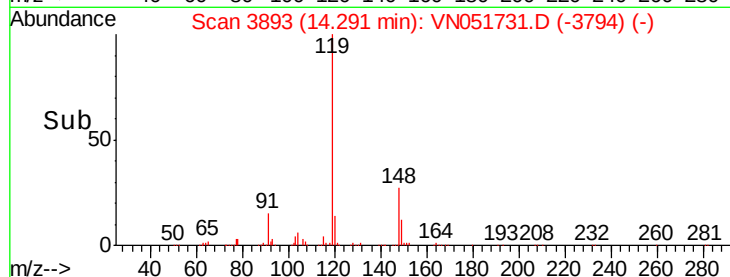
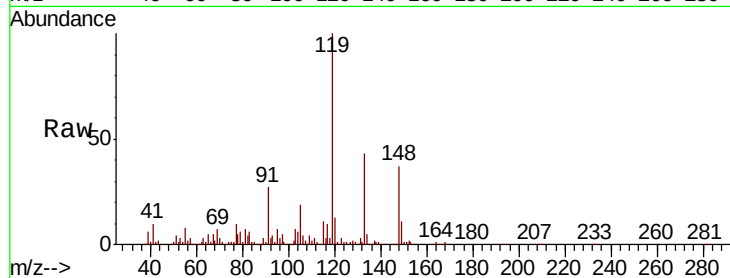
Tot Ion: 75 Resp: 5479

Ion Ratio Lower Upper

75 100

155 0.0 47.6 142.9#

157 0.0 61.7 185.1#



#95

Naphthalene

Concen: 0.420 ug/l

RT: 15.10 min Scan# 4144

Delta R.T. -0.04 min

Lab File: VN051731.D

Acq: 8 Oct 2018 13:20

Tgt Ion: 128 Resp: 10375

Ion Ratio Lower Upper

128 100

127 16.5 10.6 15.8#

129 82.3 9.0 13.6#

