

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\  
 Data File : VN050085.D  
 Acq On : 26 Jul 2018 16:26  
 Operator : MD\SY  
 Sample : J4142-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-5

Quant Time: Jul 27 01:20:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 678372   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1106407  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 940753   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 407567   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 478361   | 50.54 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.08% |      |
| 35) Dibromofluoromethane    | 7.60   | 113 | 419289   | 46.41 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.82%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 1495052  | 45.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.04%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 459753   | 42.04 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 84.08%  |      |

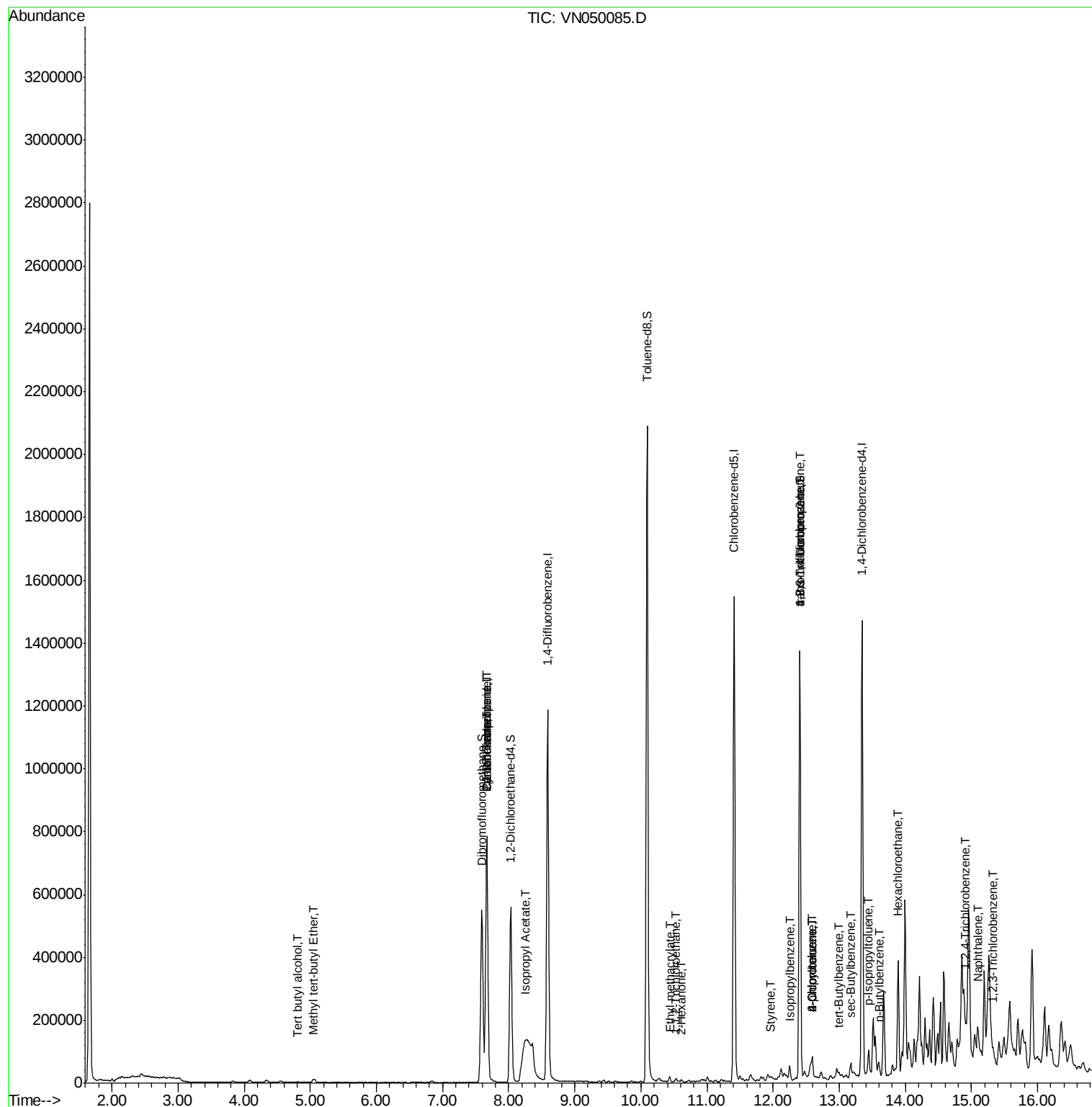
|                                |       |     |        |           |      |     |
|--------------------------------|-------|-----|--------|-----------|------|-----|
| Target Compounds               |       |     |        | Qvalue    |      |     |
| 5) Bromomethane                | 2.56  | 94  | 213    | Below Cal | #    | 16  |
| 11) Tert butyl alcohol         | 4.81  | 59  | 1477   | 2.12      | ug/l | 72  |
| 16) Acetone                    | 3.83  | 43  | 9376   | Below Cal | #    | 83  |
| 18) Methyl Acetate             | 4.34  | 43  | 11303  | Below Cal | #    | 56  |
| 19) Methyl tert-butyl Ether    | 5.05  | 73  | 10049  | 0.48      | ug/l | 96  |
| 20) Methylene Chloride         | 4.56  | 84  | 2085   | Below Cal | #    | 76  |
| 31) Cyclohexane                | 7.67  | 56  | 13625  | 0.98      | ug/l | 1   |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 47463  | 3.81      | ug/l | 48  |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 61995  | 4.69      | ug/l | 17  |
| 43) Isopropyl Acetate          | 8.26  | 43  | 333670 | 19.68     | ug/l | 61  |
| 55) 1,1,2-Trichloroethane      | 10.54 | 97  | 2581   | 0.29      | ug/l | 20  |
| 56) Ethyl methacrylate         | 10.44 | 69  | 1707   | 2.17      | ug/l | 1   |
| 59) 2-Hexanone                 | 10.61 | 43  | 5092   | 5.97      | ug/l | 79  |
| 70) Styrene                    | 11.96 | 104 | 142    | 0.93      | ug/l | 2   |
| 73) Isopropylbenzene           | 12.25 | 105 | 26398  | 0.84      | ug/l | 98  |
| 75) 1,1,2,2-Tetrachloroethane  | 12.53 | 83  | 149    | Below Cal | #    | 1   |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 226929 | 29.96     | ug/l | 100 |
| 78) n-propylbenzene            | 12.59 | 91  | 41360  | 1.17      | ug/l | 99  |
| 79) 2-Chlorotoluene            | 12.59 | 91  | 41360  | 1.89      | ug/l | 40  |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 226929 | 95.03     | ug/l | 13  |
| 82) 4-Chlorotoluene            | 12.59 | 91  | 41360  | 1.91      | ug/l | 41  |
| 83) tert-Butylbenzene          | 12.99 | 119 | 5818   | 0.27      | ug/l | 94  |
| 85) sec-Butylbenzene           | 13.17 | 105 | 28056  | 0.97      | ug/l | 86  |
| 86) p-Isopropyltoluene         | 13.44 | 119 | 43288  | 1.77      | ug/l | 96  |
| 89) n-Butylbenzene             | 13.62 | 91  | 10665  | 0.53      | ug/l | 54  |
| 90) Hexachloroethane           | 13.89 | 117 | 21756  | 4.01      | ug/l | 4   |
| 92) 1,2-Dibromo-3-Chloropropan | 14.29 | 75  | 507    | Below Cal | #    | 8   |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180 | 277    | 3.12      | ug/l | 1   |
| 95) Naphthalene                | 15.10 | 128 | 3724   | 4.60      | ug/l | 1   |
| 96) 1,2,3-Trichlorobenzene     | 15.33 | 180 | 126    | 2.22      | ug/l | 31  |

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

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Data File : VN050085.D  
Acq On : 26 Jul 2018 16:26  
Operator : MD\SY  
Sample : J4142-02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-5

Quant Time: Jul 27 01:20:47 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050085.D

Acq: 26 Jul 2018 16:26

Instrument :

MSVOA\_N

ClientSampled :

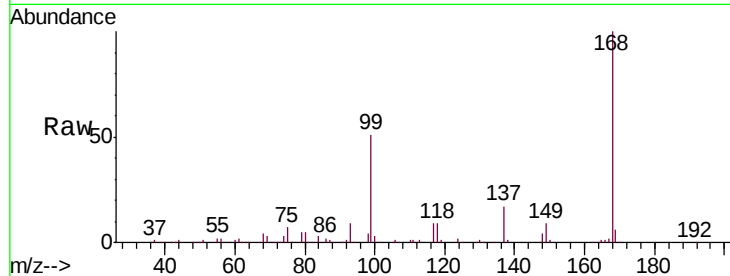
MW-5

Tot Ion:168 Resp: 678372

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

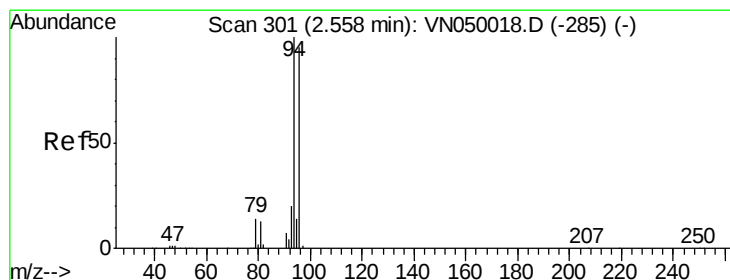
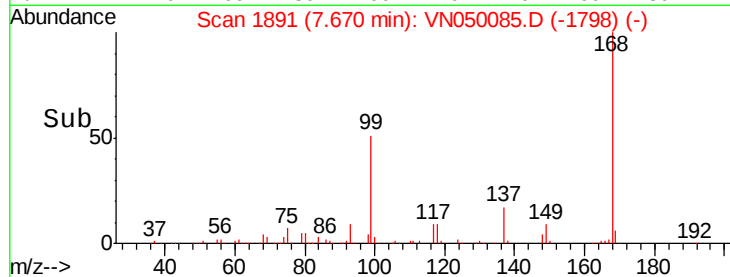
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050085.D

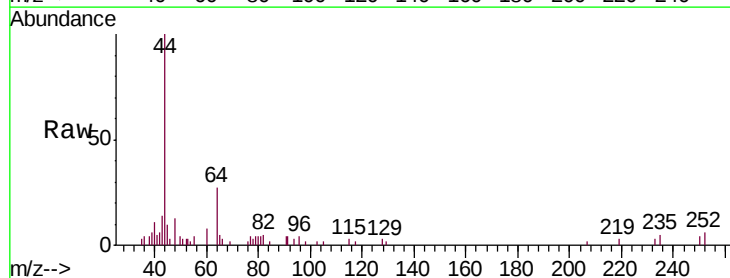
Acq: 26 Jul 2018 16:26

Tgt Ion: 94 Resp: 213

Ion Ratio Lower Upper

94 100

96 13.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

400

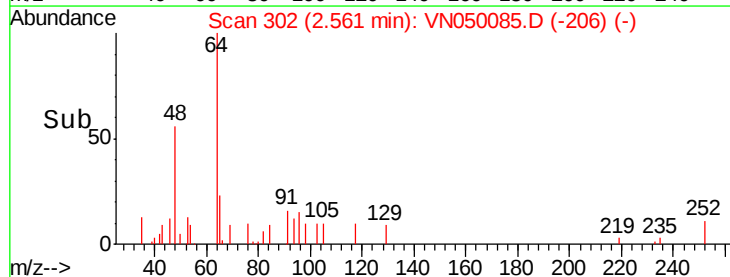
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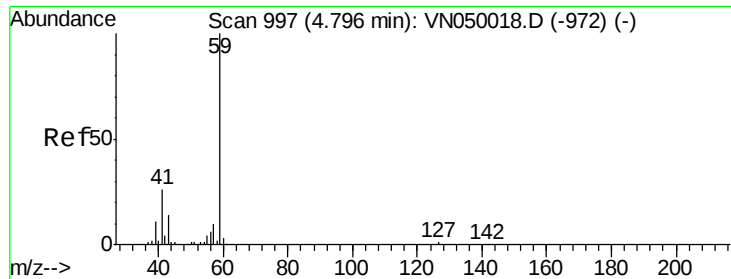
200

100

0

Time-->

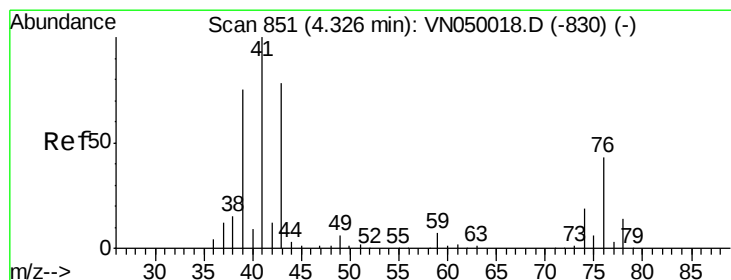
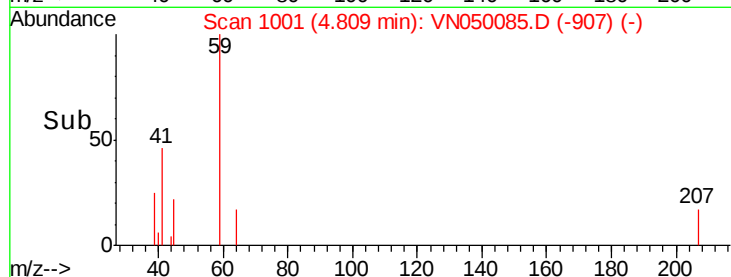
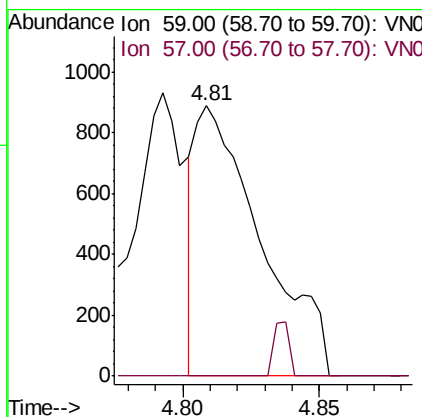
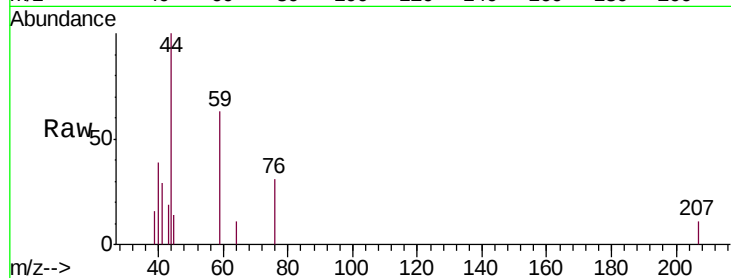




#11  
Tert butyl alcohol  
Concen: 2.12 ug/l  
RT: 4.81 min Scan# 1001  
Delta R.T. 0.00 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

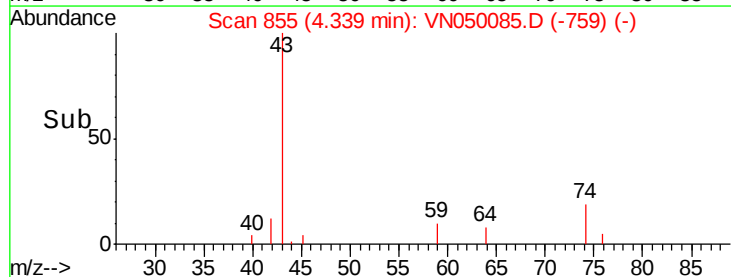
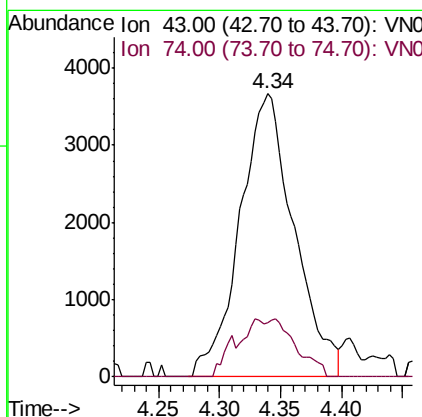
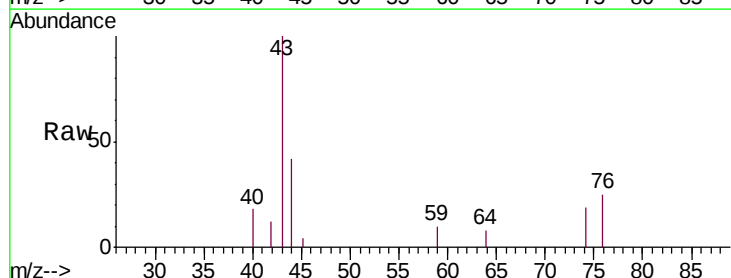
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

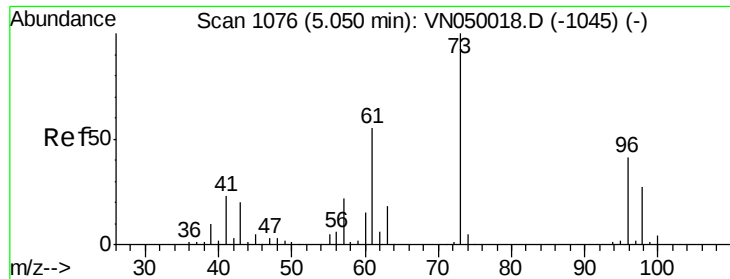
Tot Ion: 59 Resp: 1477  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.34 min Scan# 855  
Delta R.T. 0.01 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

Tgt Ion: 43 Resp: 11303  
Ion Ratio Lower Upper  
43 100  
74 2.3 19.2 28.8#

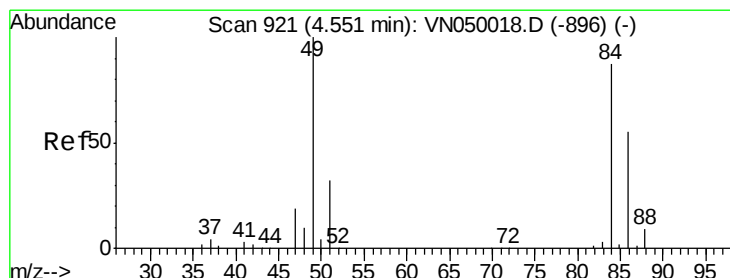
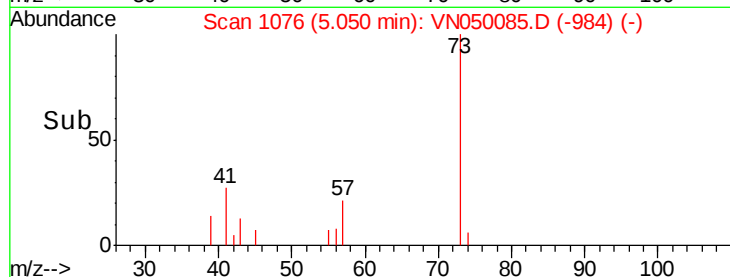
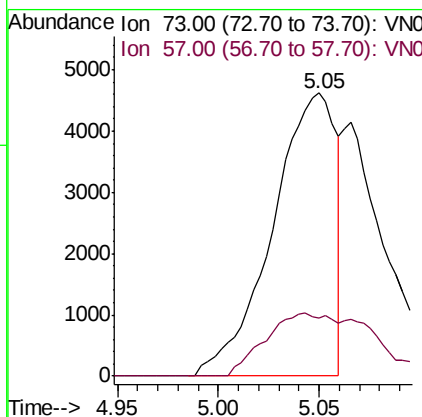
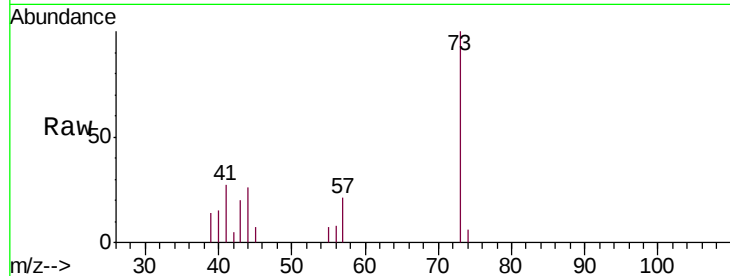




#19  
Methyl tert-butyl Ether  
Concen: 0.48 ug/l  
RT: 5.05 min Scan# 1076  
Delta R.T. -0.00 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

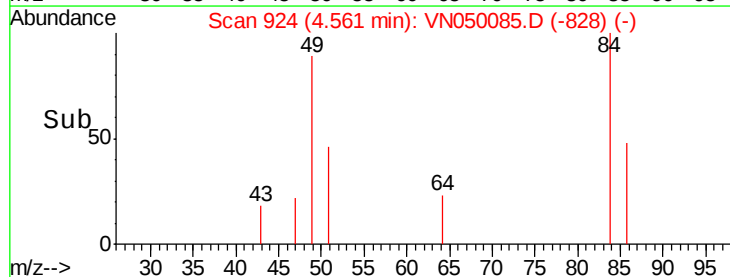
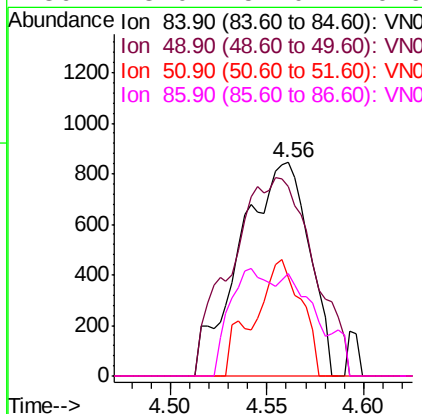
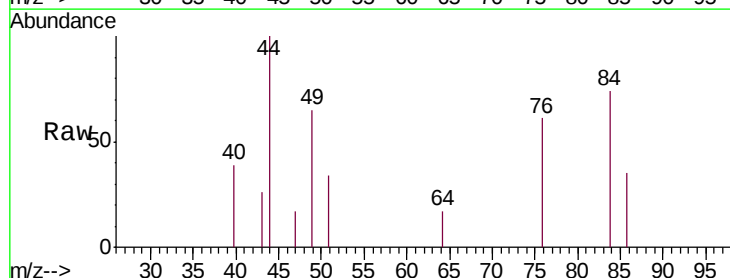
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

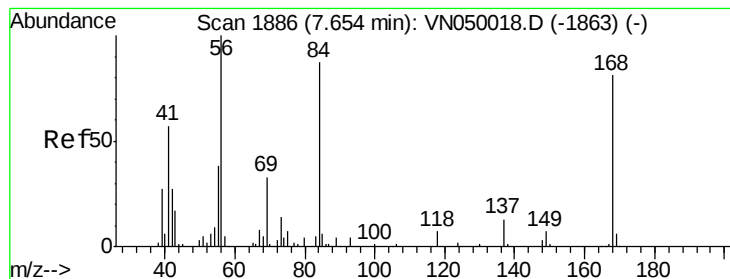
Tot Ion: 73 Resp: 10049  
Ion Ratio Lower Upper  
73 100  
57 20.5 18.0 27.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.56 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

Tgt Ion: 84 Resp: 2085  
Ion Ratio Lower Upper  
84 100  
49 88.5 94.8 142.2#  
51 46.0 28.3 42.5#  
86 48.0 51.0 76.6#





#31

Cyclohexane

Concen: 0.98 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050085.D

Acq: 26 Jul 2018 16:26

Instrument :

MSVOA\_N

ClientSampleId :

MW-5

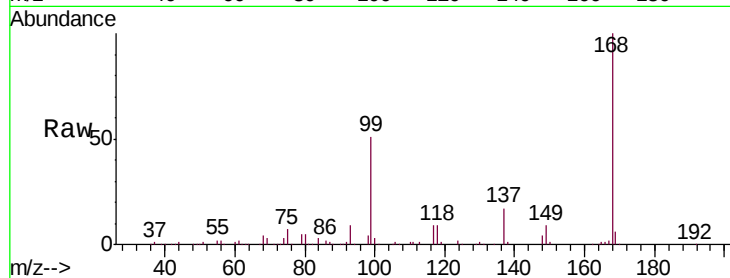
Tot Ion: 56 Resp: 13625

Ion Ratio Lower Upper

56 100

69 178.9 26.2 39.4#

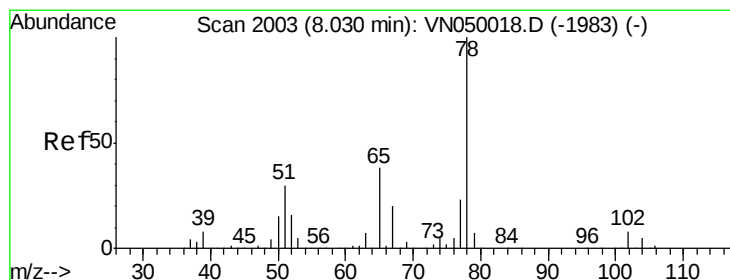
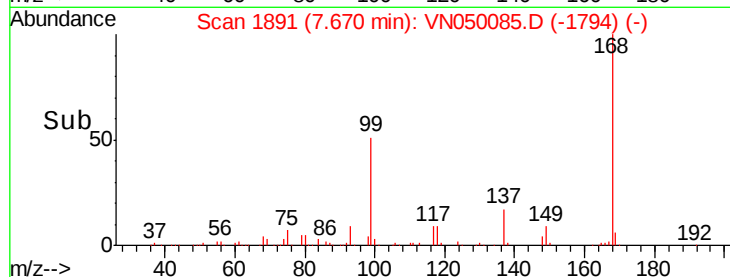
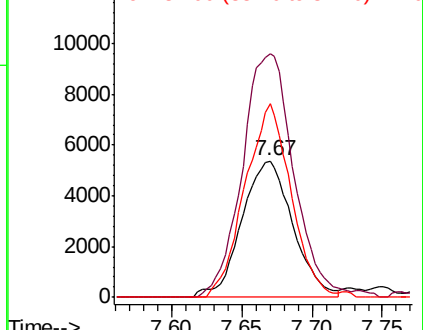
84 141.9 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN050018.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050018.D (-1863) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.54 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050085.D

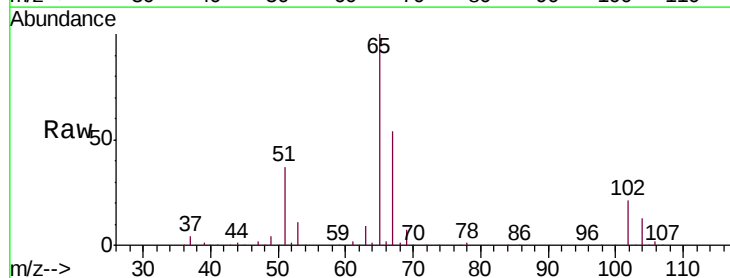
Acq: 26 Jul 2018 16:26

Tgt Ion: 65 Resp: 478361

Ion Ratio Lower Upper

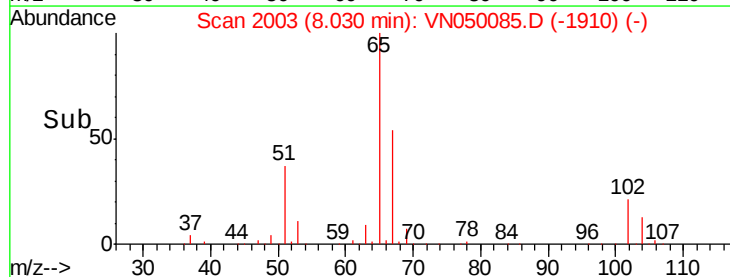
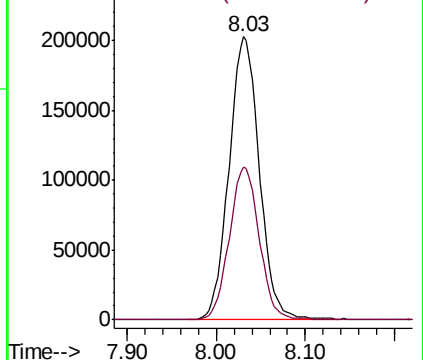
65 100

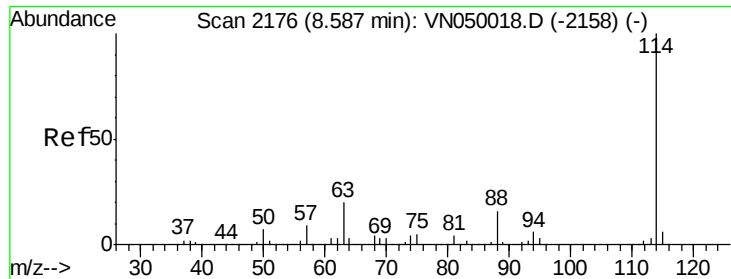
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

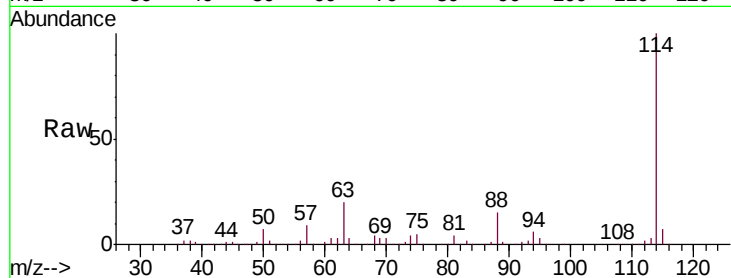




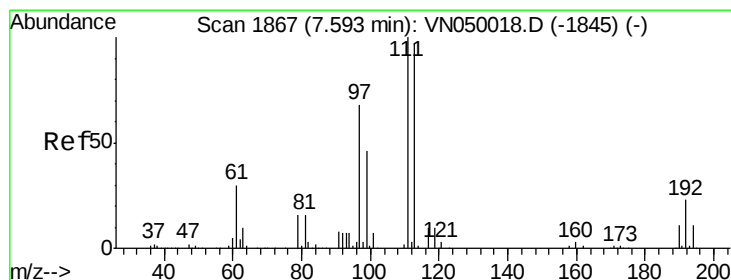
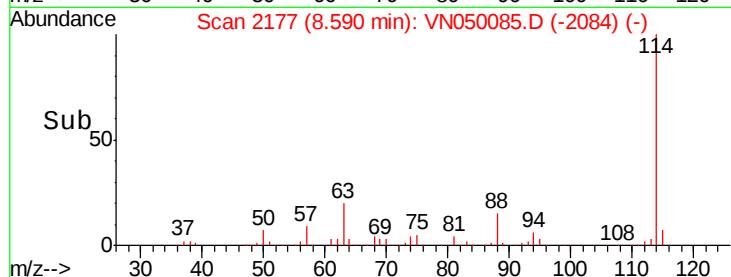
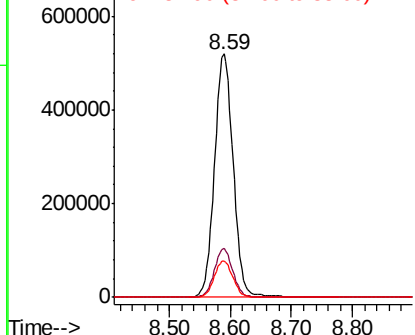
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-5

Tot Ion:114 Resp: 1106407  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 40.0  
 88 15.1 0.0 31.2

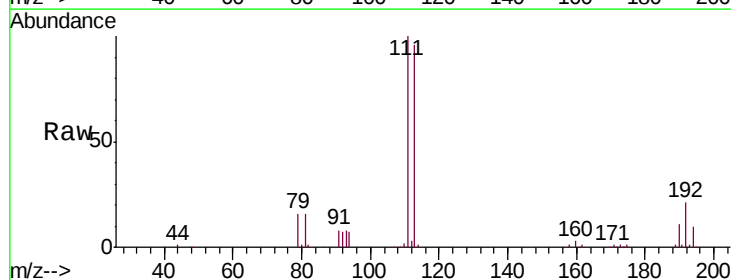


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

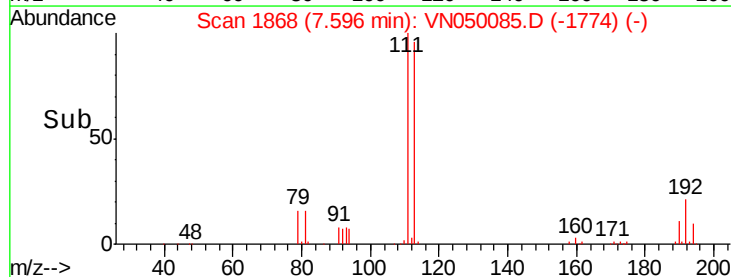
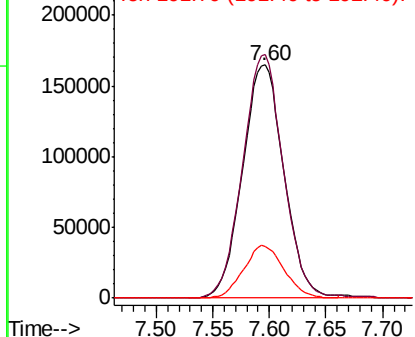


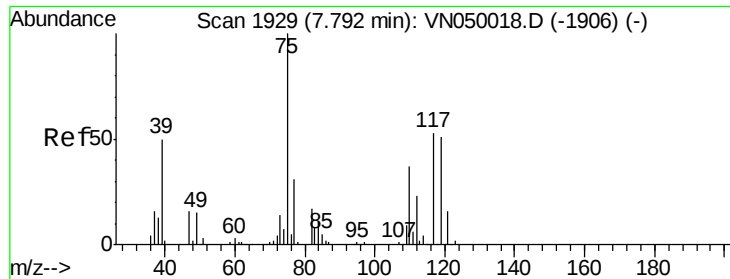
#35  
 Dibromofluoromethane  
 Concen: 46.41 ug/l  
 RT: 7.60 min Scan# 1868  
 Delta R.T. 0.00 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

Tgt Ion:113 Resp: 419289  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 80.7 121.1  
 192 22.1 17.8 26.6



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

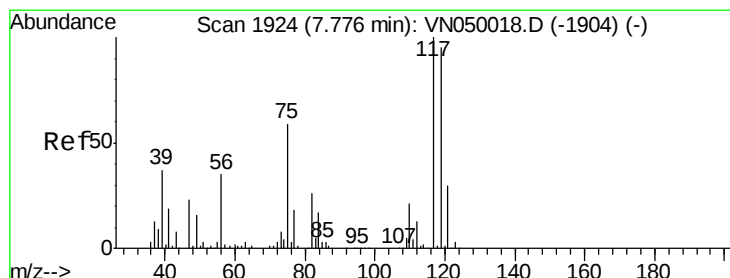
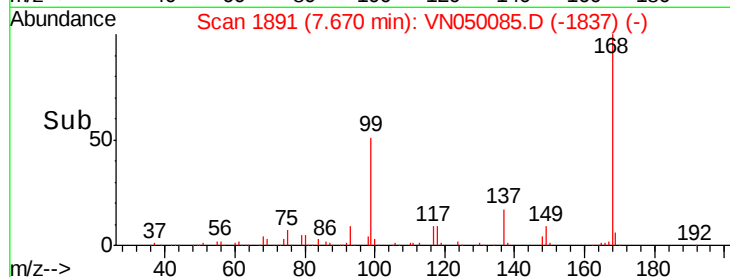
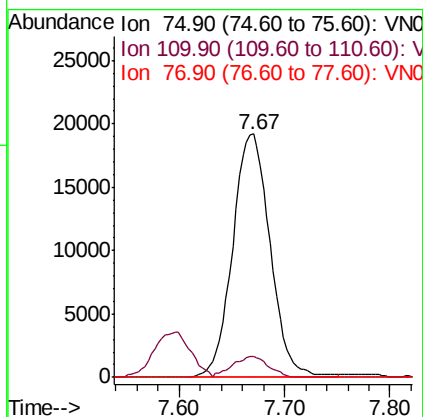
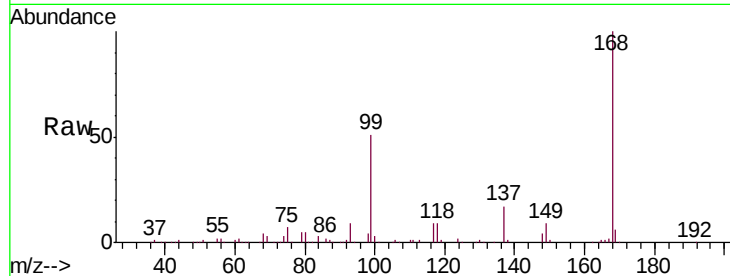




#36  
 1,1-Dichloropropene  
 Concen: 3.81 ug/l  
 RT: 7.67 min Scan# 1891  
 Delta R.T. -0.13 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

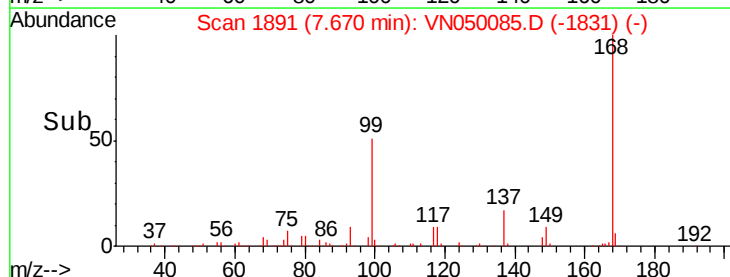
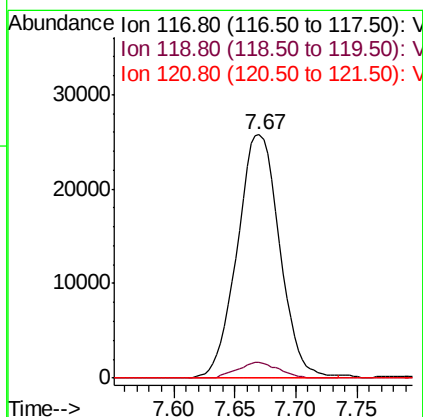
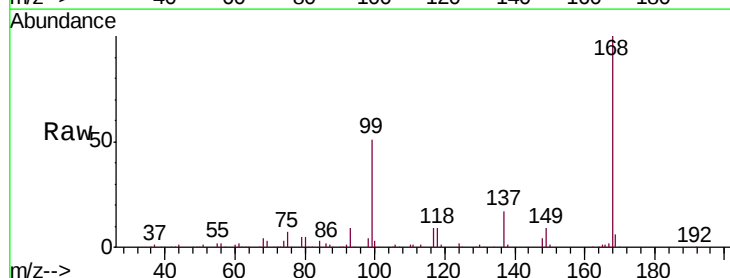
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-5

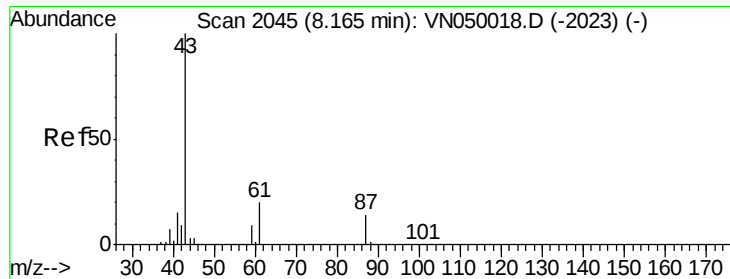
Tot Ion: 75 Resp: 47463  
 Ion Ratio Lower Upper  
 75 100  
 110 8.2 18.4 55.2#  
 77 0.0 25.3 37.9#



#38  
 Carbon Tetrachloride  
 Concen: 4.69 ug/l  
 RT: 7.67 min Scan# 1891  
 Delta R.T. -0.11 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

Tgt Ion: 117 Resp: 61995  
 Ion Ratio Lower Upper  
 117 100  
 119 6.5 77.4 116.0#  
 121 0.0 23.9 35.9#



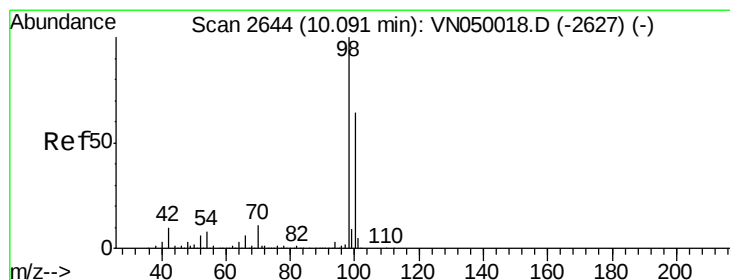
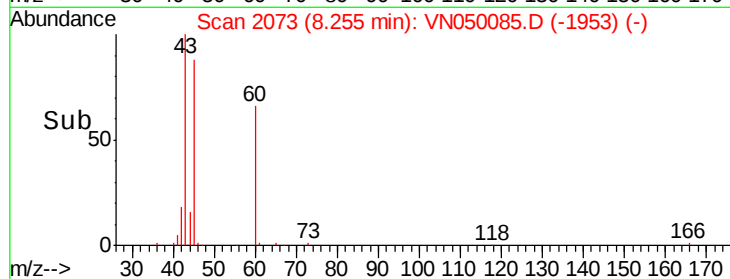
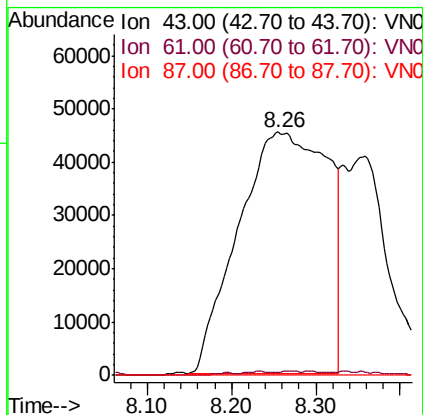
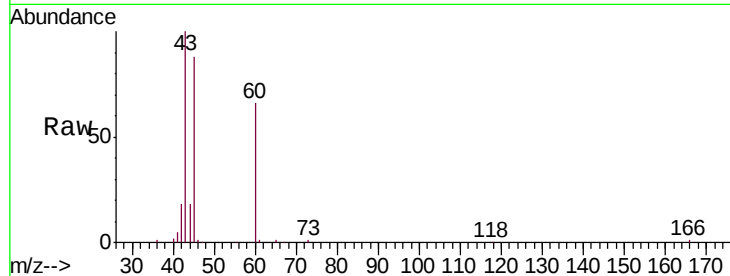


#43

Isopropyl Acetate  
 Concen: 19.68 ug/l  
 RT: 8.26 min Scan# 2073  
 Delta R.T. 0.09 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-5

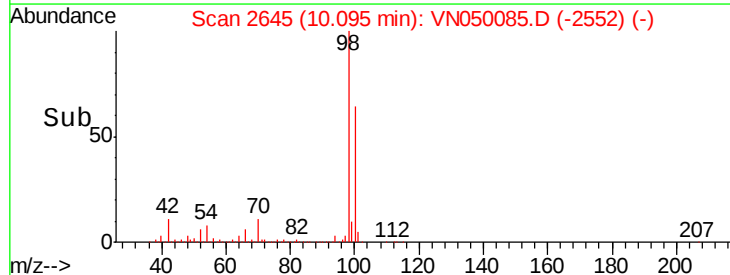
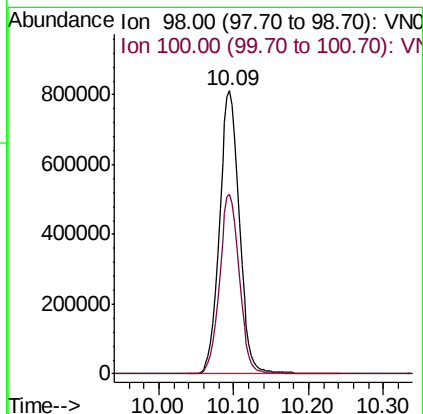
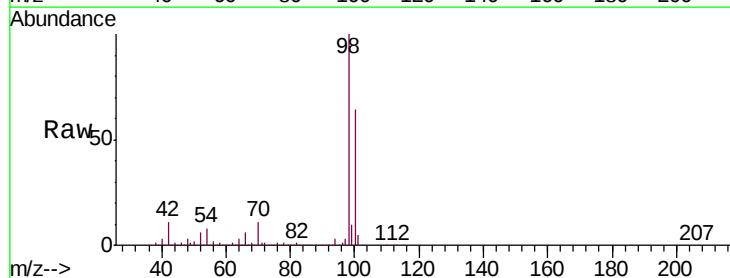
Tot Ion: 43 Resp: 333670  
 Ion Ratio Lower Upper  
 43 100  
 61 0.1 15.8 23.6#  
 87 0.0 10.3 15.5#

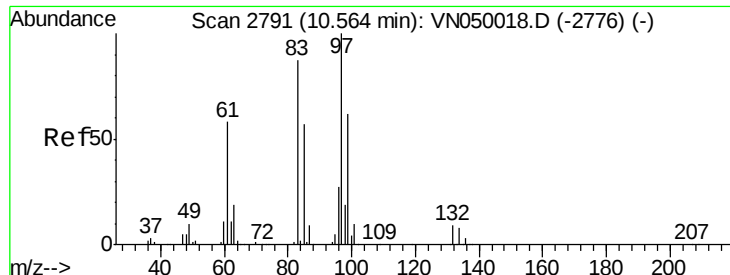


#50

Toluene-d8  
 Concen: 45.02 ug/l  
 RT: 10.09 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

Tgt Ion: 98 Resp: 1495052  
 Ion Ratio Lower Upper  
 98 100  
 100 63.2 50.7 76.1

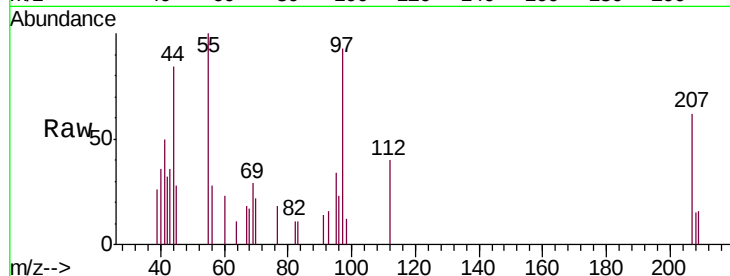




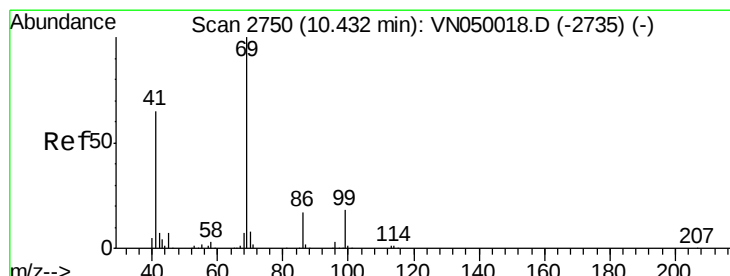
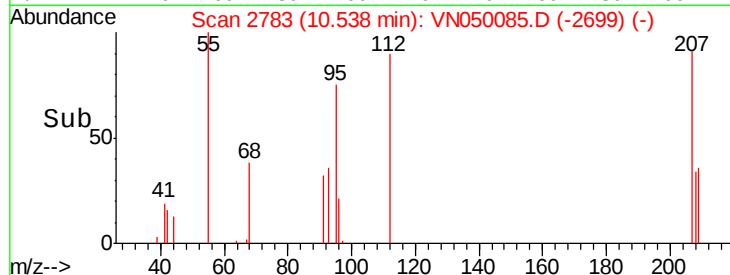
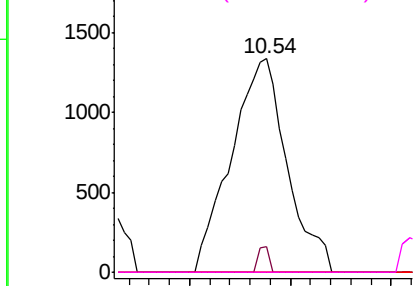
#55  
 1,1,2-Trichloroethane  
 Concen: 0.29 ug/l  
 RT: 10.54 min Scan# 2783  
 Delta R.T. -0.03 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-5

Tot Ion: 97 Resp: 2581  
 Ion Ratio Lower Upper  
 97 100  
 83 12.0 69.2 103.8#  
 85 0.0 44.0 66.0#  
 99 0.0 49.9 74.9#

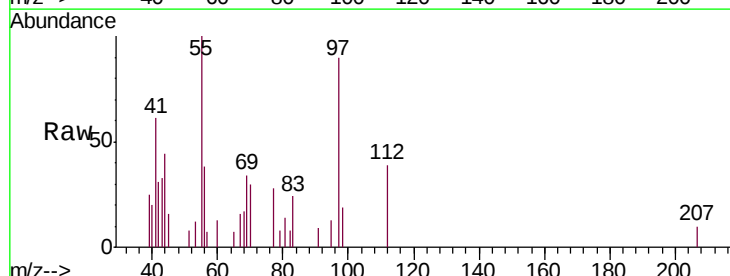


Abundance Ion 96.90 (96.60 to 97.60): VNO  
 Ion 82.90 (82.60 to 83.60): VNO  
 Ion 84.90 (84.60 to 85.60): VNO  
 Ion 98.90 (98.60 to 99.60): VNO

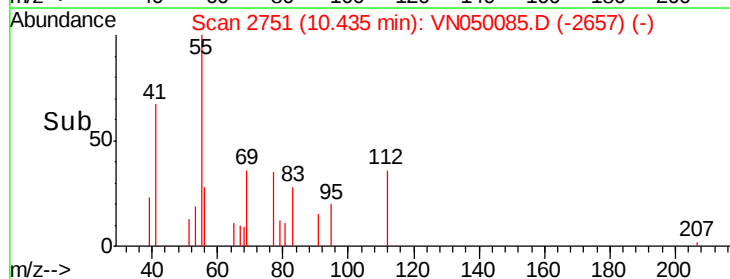
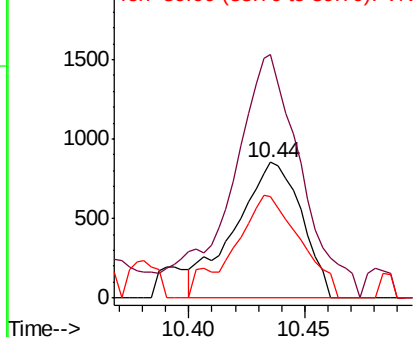


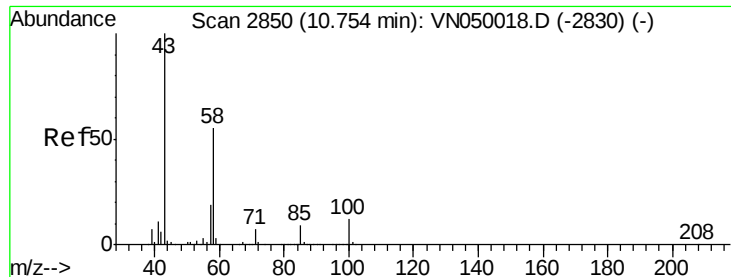
#56  
 Ethyl methacrylate  
 Concen: 2.17 ug/l  
 RT: 10.44 min Scan# 2751  
 Delta R.T. 0.00 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

Tgt Ion: 69 Resp: 1707  
 Ion Ratio Lower Upper  
 69 100  
 41 188.3 51.0 76.4#  
 39 69.4 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VNO  
 Ion 41.00 (40.70 to 41.70): VNO  
 Ion 39.00 (38.70 to 39.70): VNO

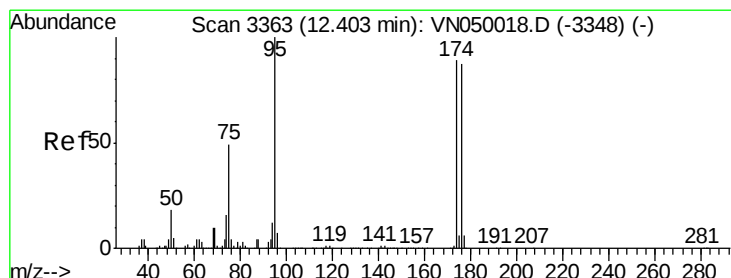
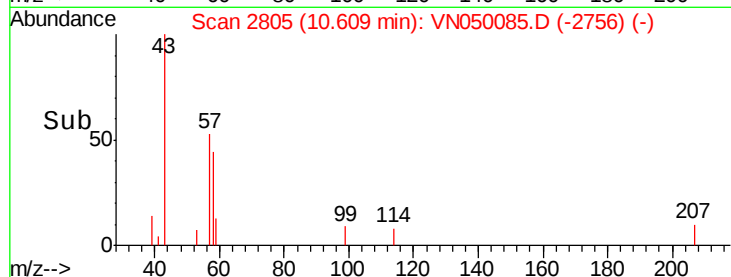
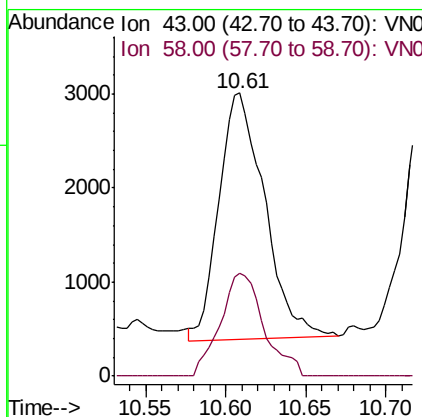
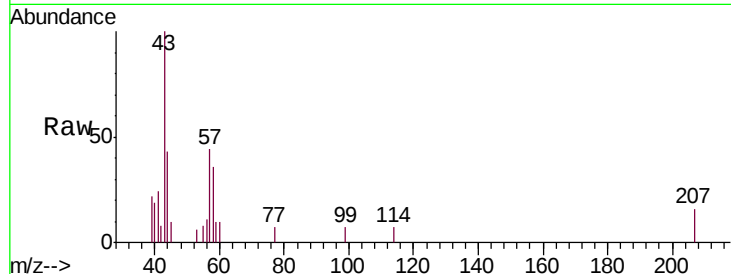




#59  
2-Hexanone  
Concen: 5.97 ug/l  
RT: 10.61 min Scan# 2805  
Delta R.T. -0.14 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

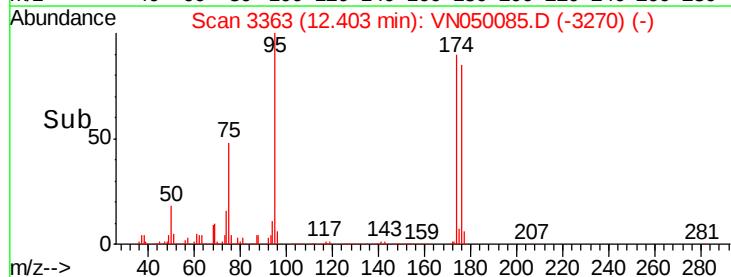
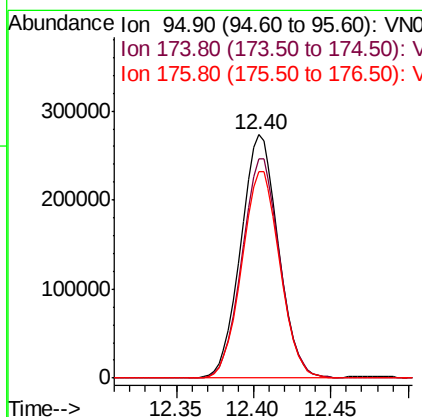
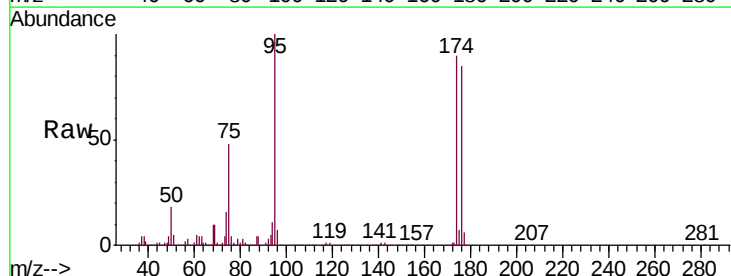
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-5

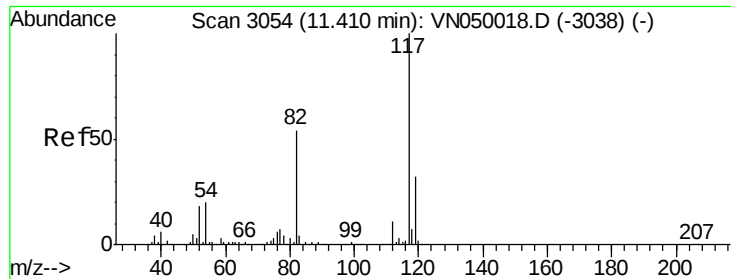
Tot Ion: 43 Resp: 5092  
Ion Ratio Lower Upper  
43 100  
58 40.2 27.6 82.7



#62  
4-Bromofluorobenzene  
Concen: 42.04 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

Tgt Ion: 95 Resp: 459753  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 178.2  
176 86.6 0.0 173.4

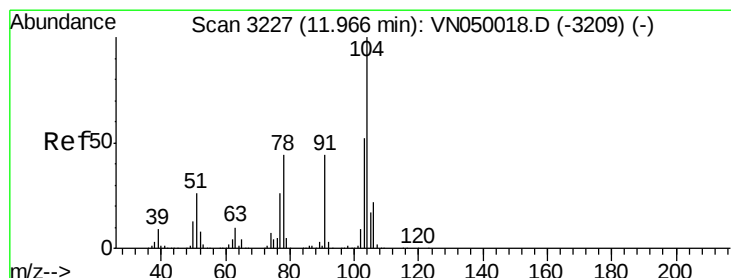
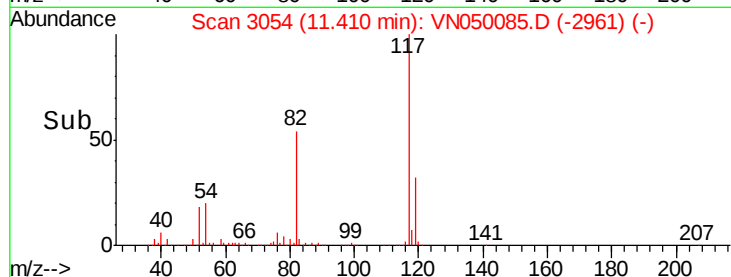
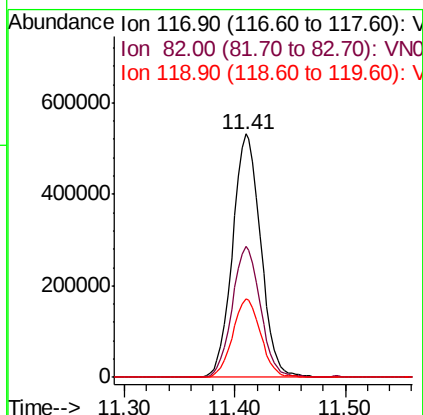
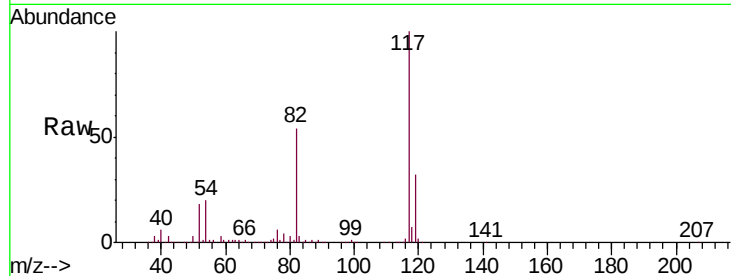




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

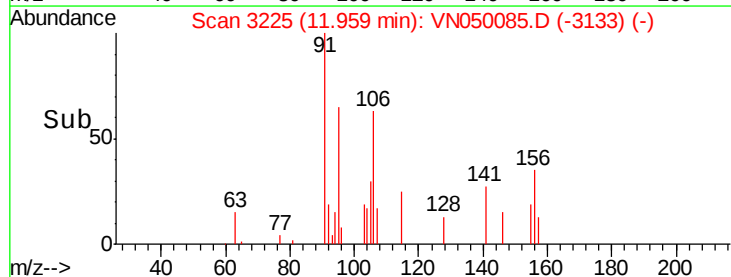
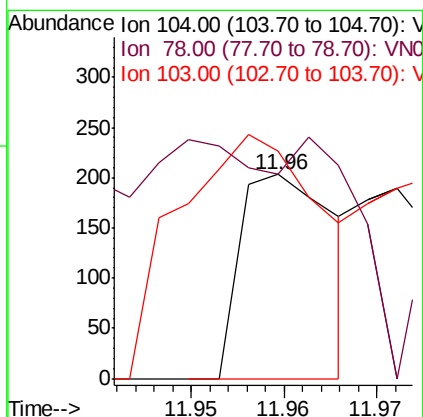
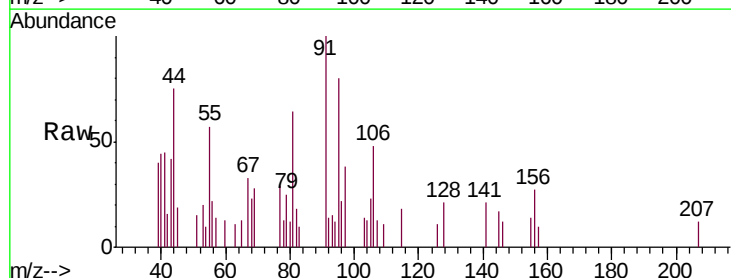
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

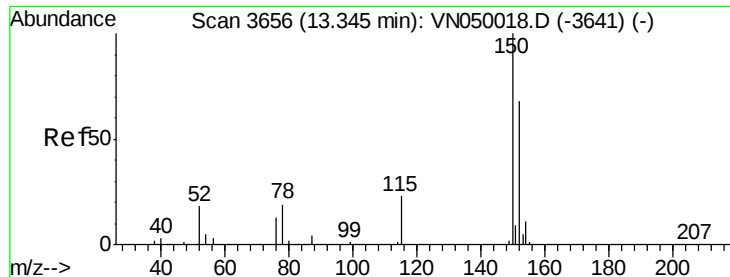
Tot Ion:117 Resp: 940753  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.7 65.5  
119 32.2 26.1 39.1



#70  
Styrene  
Concen: 0.93 ug/l  
RT: 11.96 min Scan# 3225  
Delta R.T. -0.01 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

Tgt Ion:104 Resp: 142  
Ion Ratio Lower Upper  
104 100  
78 57.0 39.3 58.9  
103 183.1 45.0 67.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050085.D

Acq: 26 Jul 2018 16:26

Instrument :

MSVOA\_N

ClientSampled :

MW-5

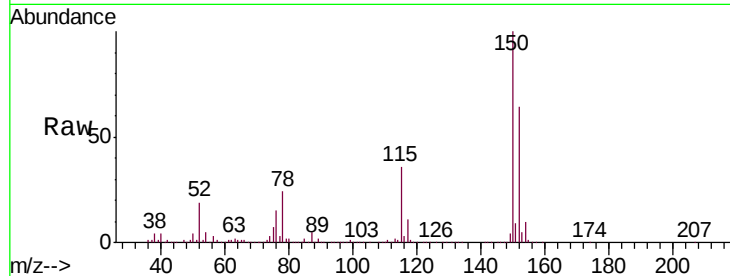
Tot Ion:152 Resp: 407567

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

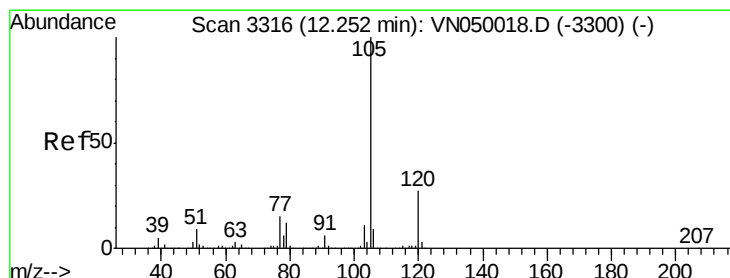
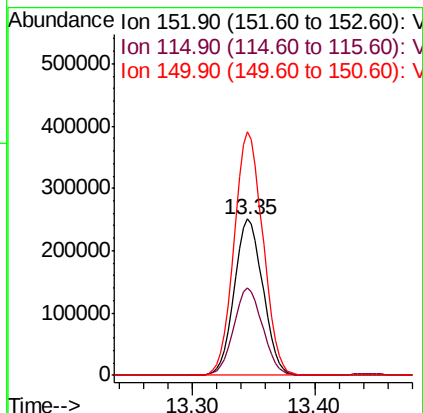
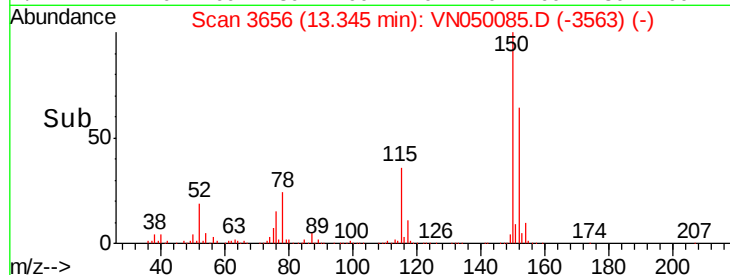
150 156.7 0.0 348.6



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: 0.84 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050085.D

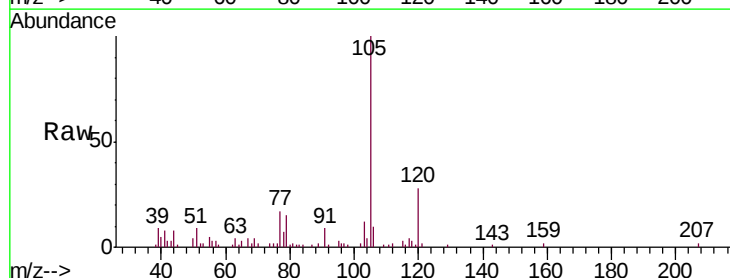
Acq: 26 Jul 2018 16:26

Tgt Ion:105 Resp: 26398

Ion Ratio Lower Upper

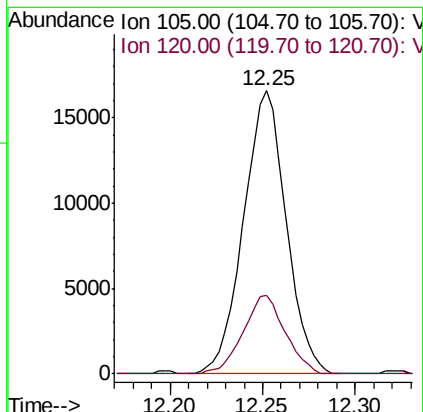
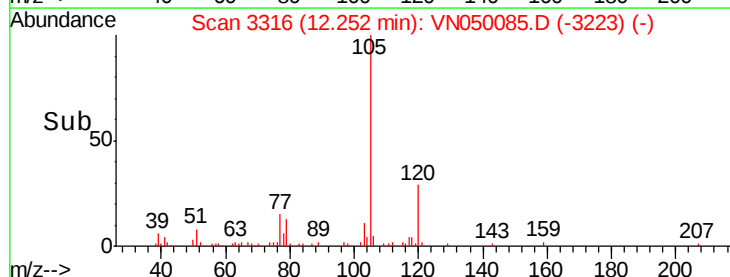
105 100

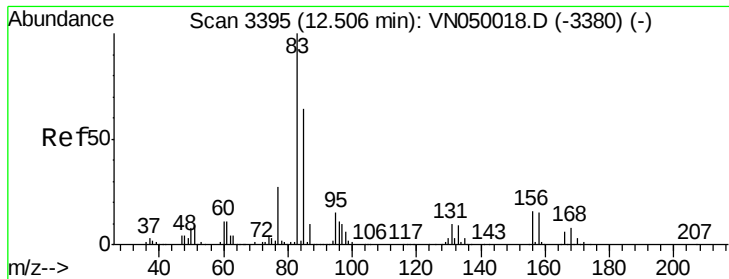
120 27.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3401

Delta R.T. 0.02 min

Lab File: VN050085.D

Acq: 26 Jul 2018 16:26

Instrument :

MSVOA\_N

ClientSampled :

MW-5

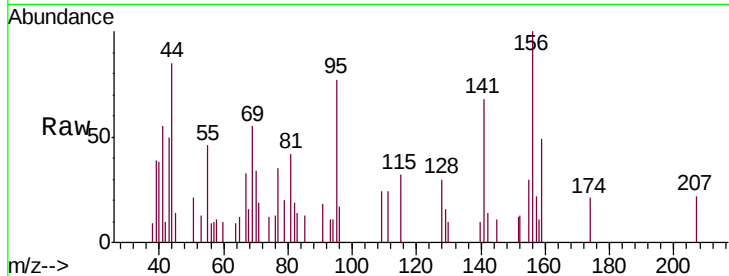
Tot Ion: 83 Resp: 149

Ion Ratio Lower Upper

83 100

131 115.4 5.1 15.3#

85 283.9 32.3 96.8#

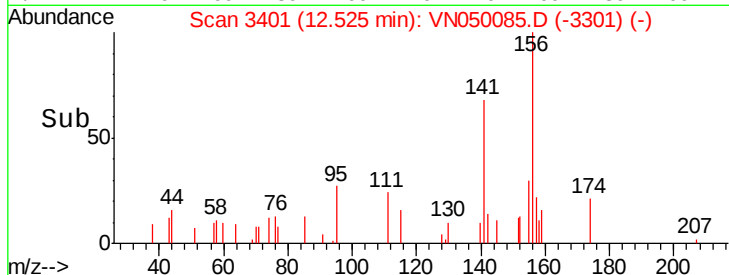


Abundance Ion 82.90 (82.60 to 83.60): VN0

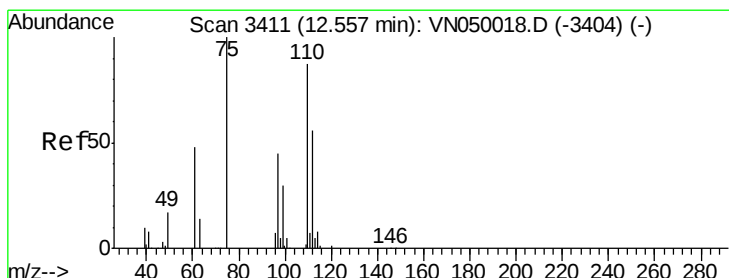
Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 29.96 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050085.D

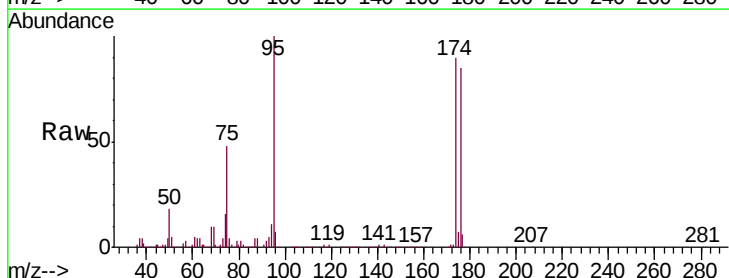
Acq: 26 Jul 2018 16:26

Tgt Ion: 75 Resp: 226929

Ion Ratio Lower Upper

75 100

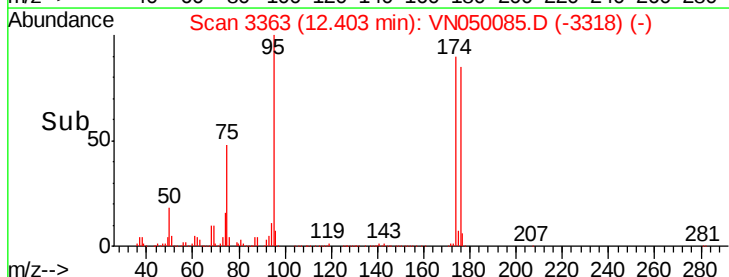
77 1.3 0.0 0.0#



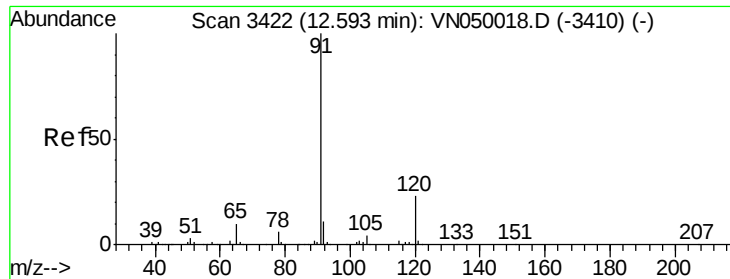
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

Time-->



Time-->



#78

n-propylbenzene

Concen: 1.17 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050085.D

Acq: 26 Jul 2018 16:26

Instrument :

MSVOA\_N

ClientSampled :

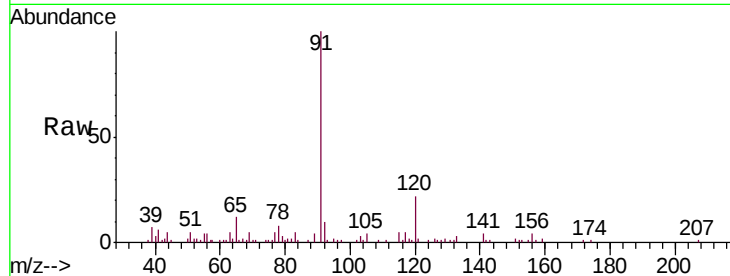
MW-5

Tot Ion: 91 Resp: 41360

Ion Ratio Lower Upper

91 100

120 22.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

30000

25000

20000

15000

10000

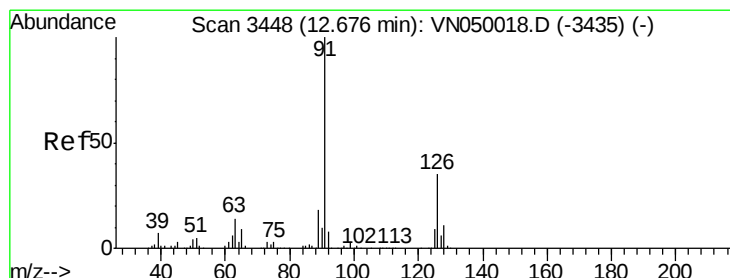
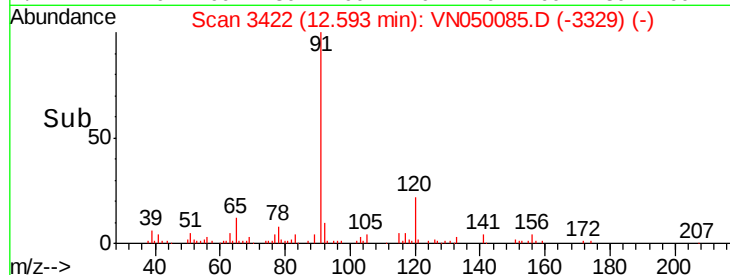
5000

0

12.59

12.55 12.60 12.65

Time-->



#79

2-Chlorotoluene

Concen: 1.89 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN050085.D

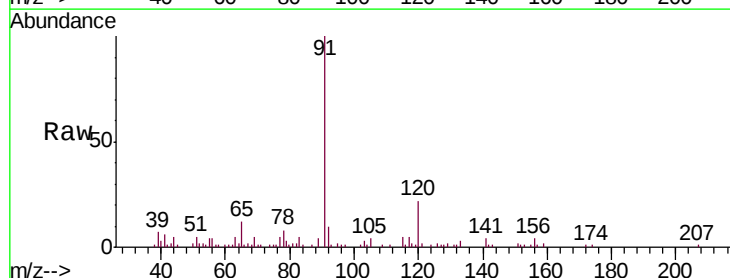
Acq: 26 Jul 2018 16:26

Tgt Ion: 91 Resp: 41360

Ion Ratio Lower Upper

91 100

126 0.4 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

30000

25000

20000

15000

10000

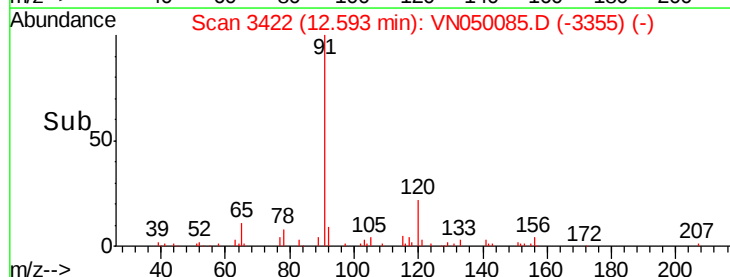
5000

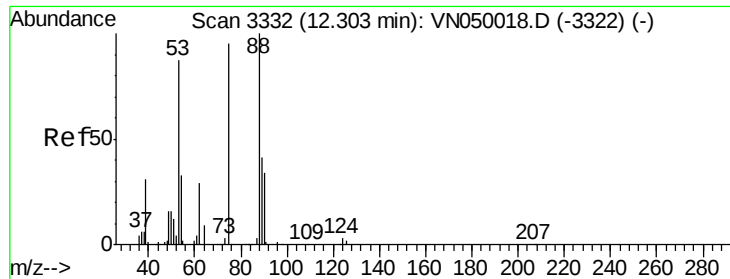
0

12.59

12.55 12.60 12.65

Time-->

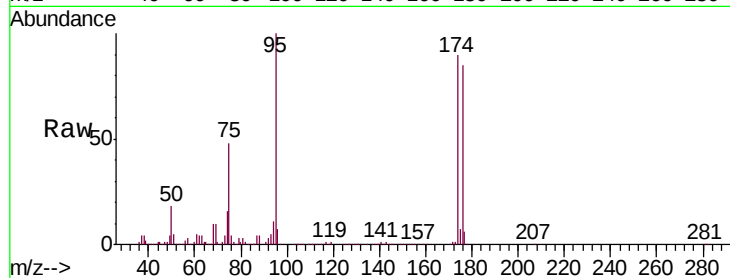




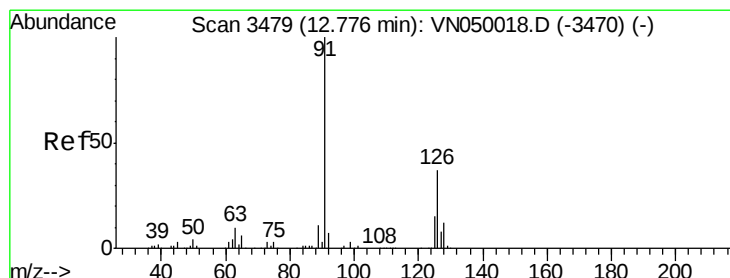
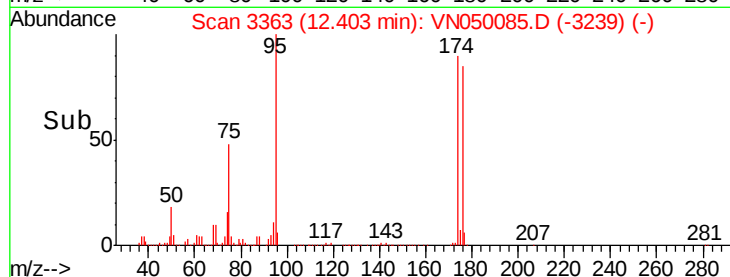
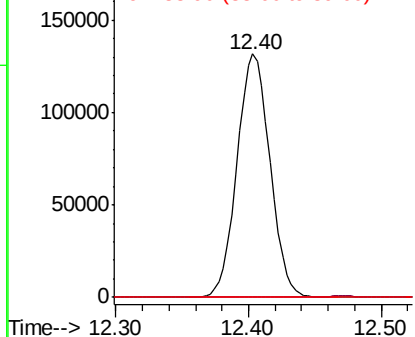
#81  
trans-1,4-Dichloro-2-butene  
Concen: 95.03 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.10 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

Tot Ion: 75 Resp: 226929  
Ion Ratio Lower Upper  
75 100  
53 0.3 73.5 110.3#  
89 0.0 36.0 54.0#

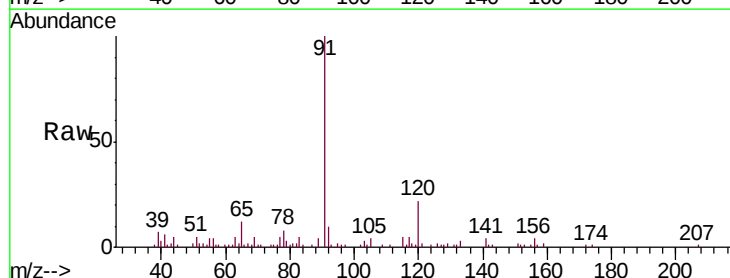


Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 53.00 (52.70 to 53.70): VNO  
Ion 88.90 (88.60 to 89.60): VNO

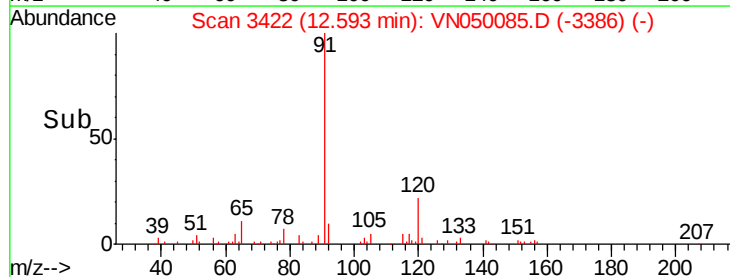
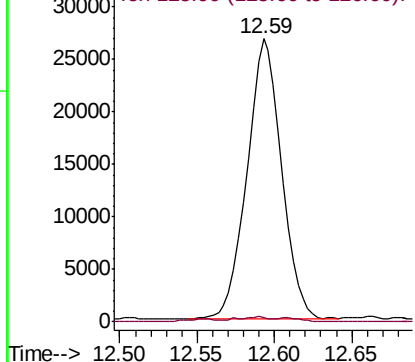


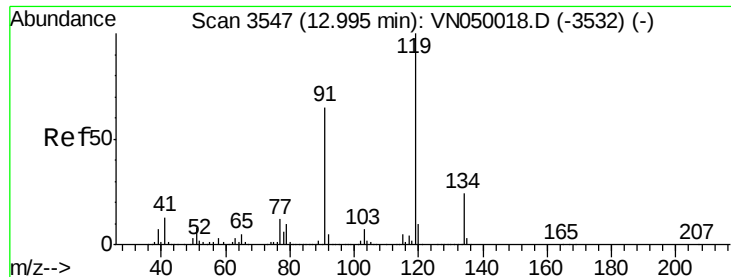
#82  
4-Chlorotoluene  
Concen: 1.91 ug/l  
RT: 12.59 min Scan# 3422  
Delta R.T. -0.18 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

Tgt Ion: 91 Resp: 41360  
Ion Ratio Lower Upper  
91 100  
126 0.4 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VNO  
Ion 125.90 (125.60 to 126.60): V

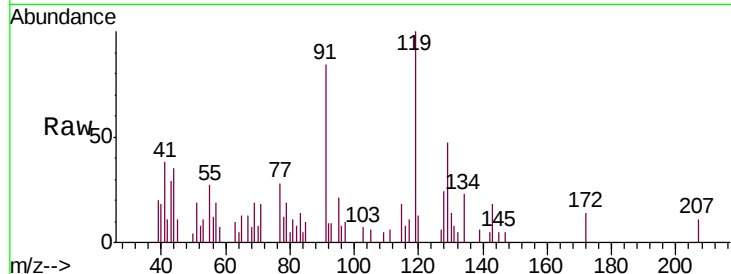




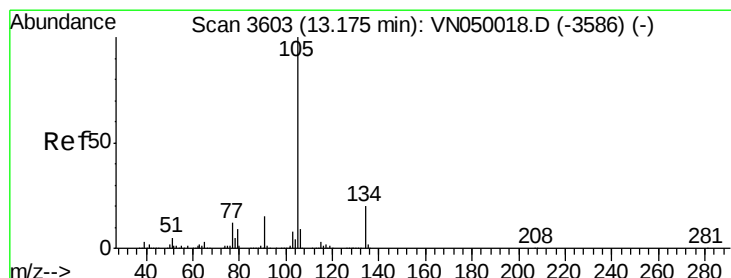
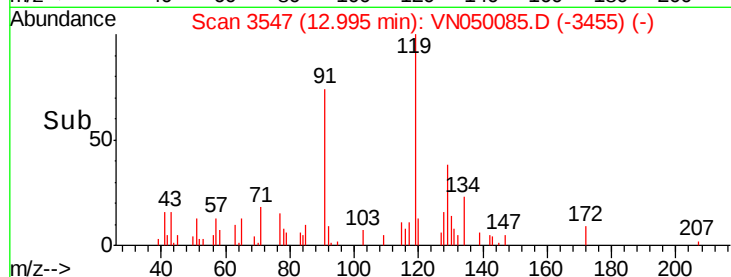
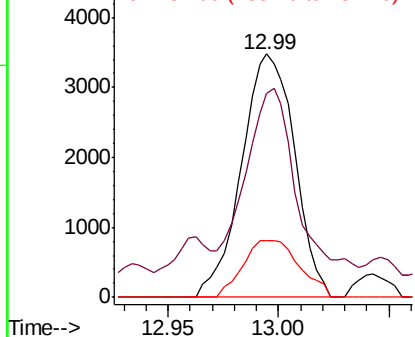
#83  
tert-Butylbenzene  
Concen: 0.27 ug/l  
RT: 12.99 min Scan# 3547  
Delta R.T. -0.00 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

Tot Ion:119 Resp: 5818  
Ion Ratio Lower Upper  
119 100  
91 69.7 32.1 96.3  
134 24.8 13.2 39.5

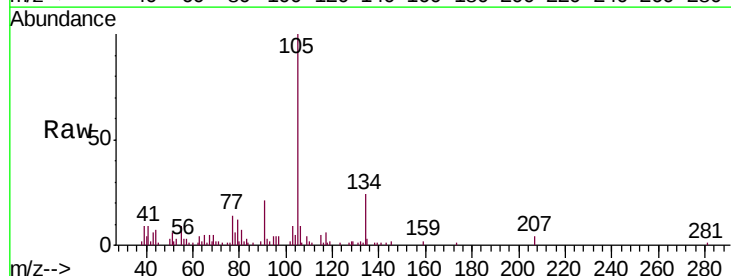


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

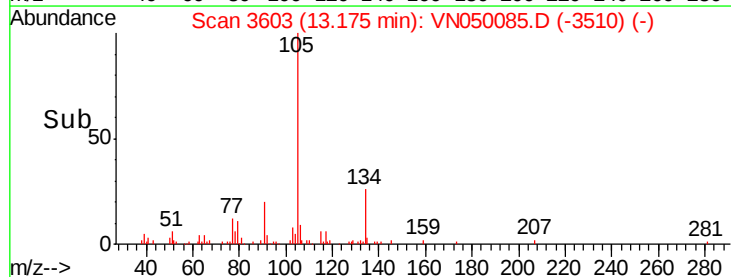
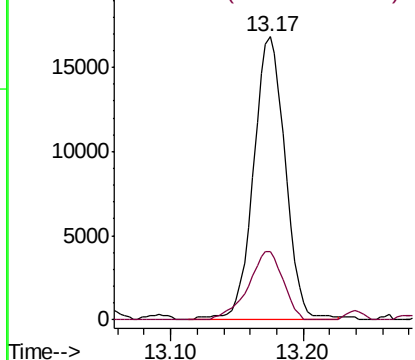


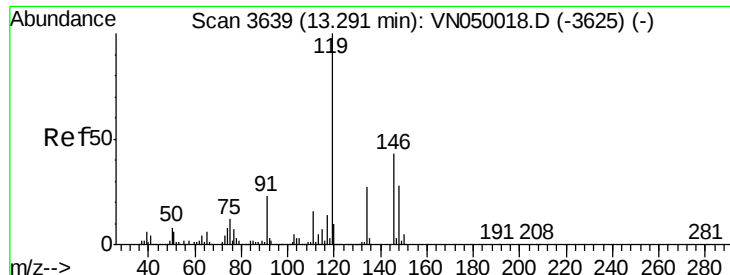
#85  
sec-Butylbenzene  
Concen: 0.97 ug/l  
RT: 13.17 min Scan# 3603  
Delta R.T. 0.00 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

Tgt Ion:105 Resp: 28056  
Ion Ratio Lower Upper  
105 100  
134 26.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V

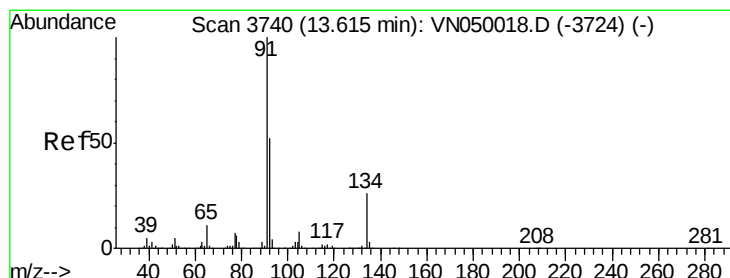
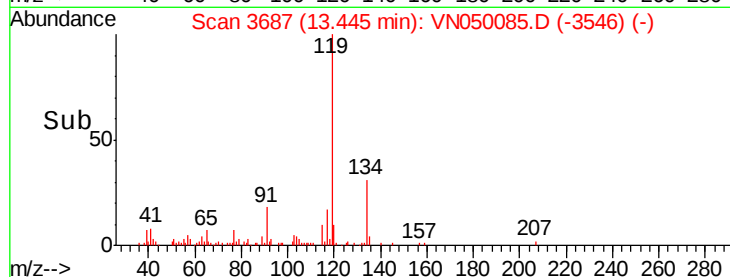
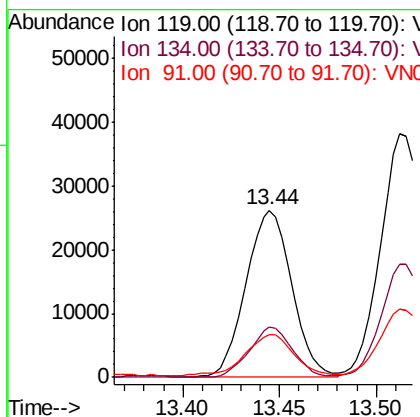
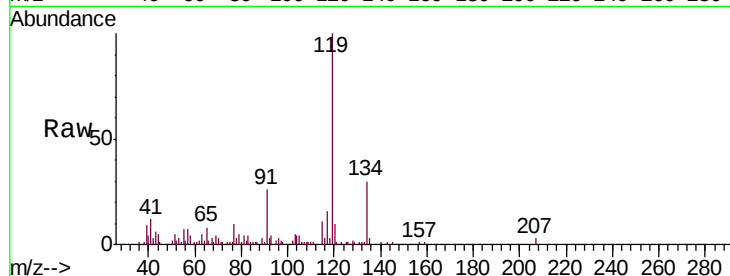




#86  
p-Isopropyltoluene  
Concen: 1.77 ug/l  
RT: 13.44 min Scan# 3687  
Delta R.T. 0.15 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

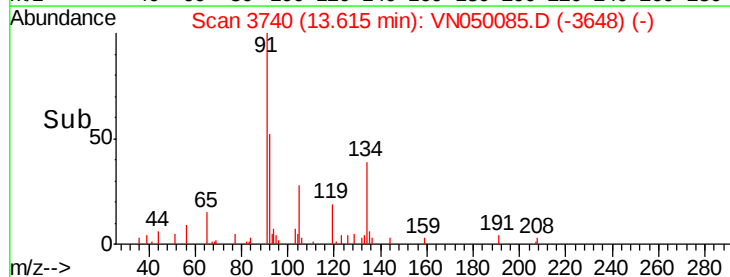
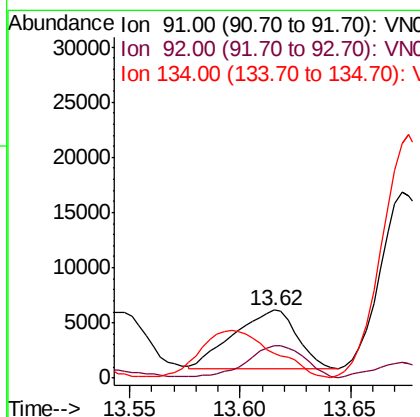
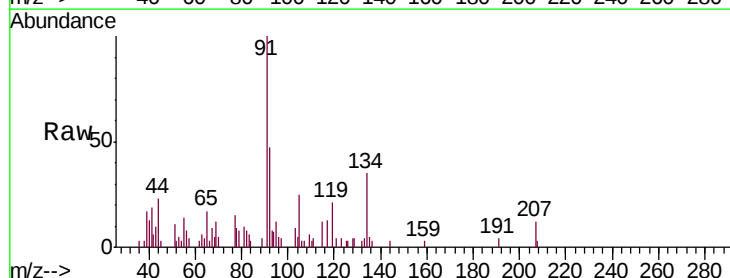
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

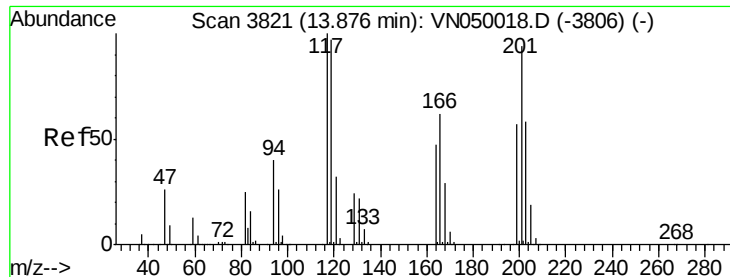
Tot Ion:119 Resp: 43288  
Ion Ratio Lower Upper  
119 100  
134 28.2 13.3 39.8  
91 25.1 11.4 34.2



#89  
n-Butylbenzene  
Concen: 0.53 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050085.D  
Acq: 26 Jul 2018 16:26

Tgt Ion: 91 Resp: 10665  
Ion Ratio Lower Upper  
91 100  
92 50.0 25.8 77.4  
134 93.1 12.8 38.4#





#90

Hexachloroethane

Concen: 4.01 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050085.D

Acq: 26 Jul 2018 16:26

Instrument :

MSVOA\_N

ClientSampleId :

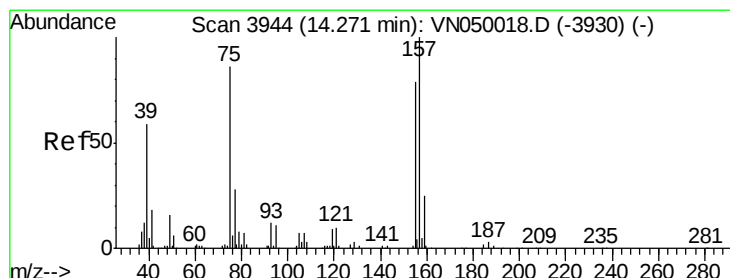
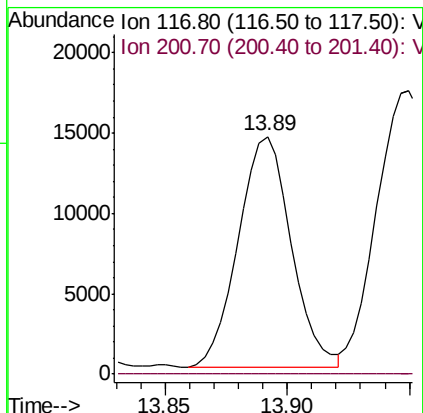
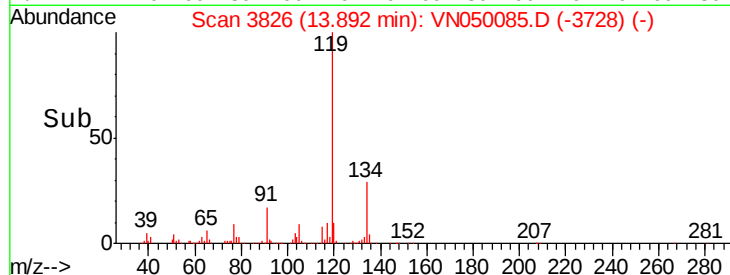
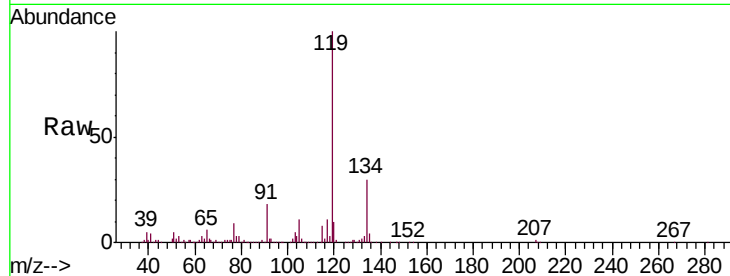
MW-5

Tot Ion:117 Resp: 21756

Ion Ratio Lower Upper

117 100

201 0.0 45.6 136.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.29 min Scan# 3950

Delta R.T. 0.02 min

Lab File: VN050085.D

Acq: 26 Jul 2018 16:26

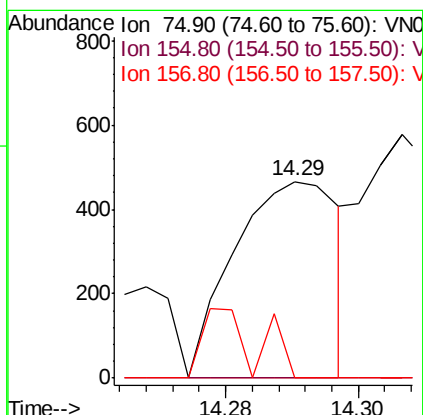
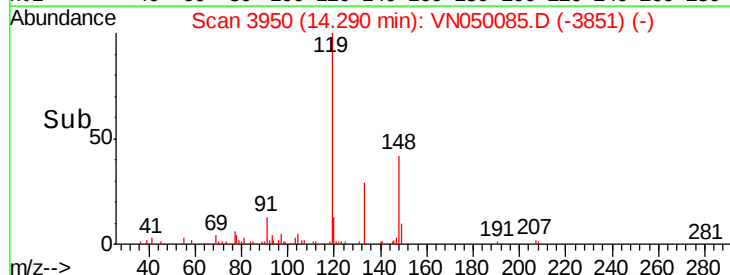
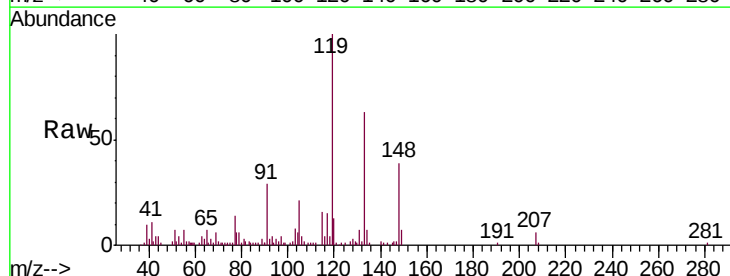
Tgt Ion: 75 Resp: 507

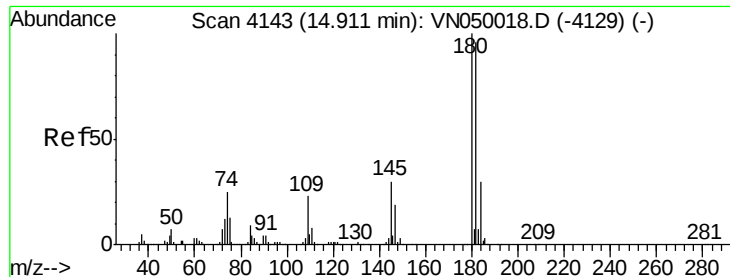
Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 18.1 57.2 171.6#

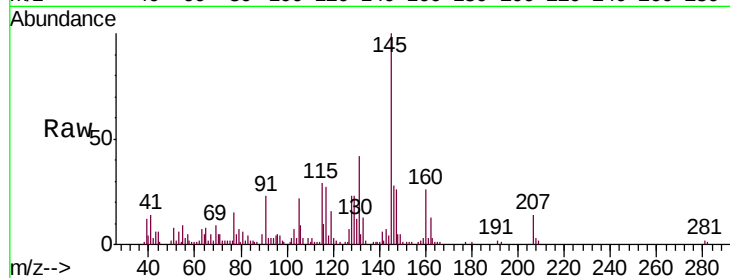




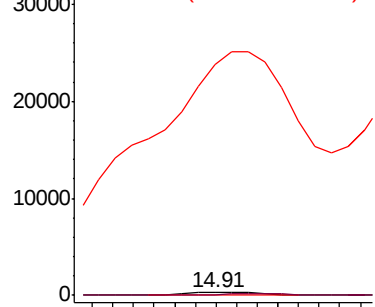
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.12 ug/l  
 RT: 14.91 min Scan# 4142  
 Delta R.T. -0.00 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-5

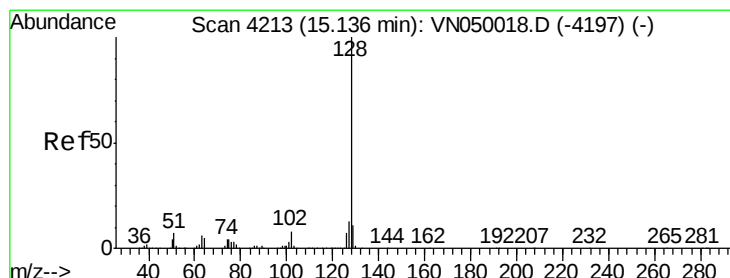
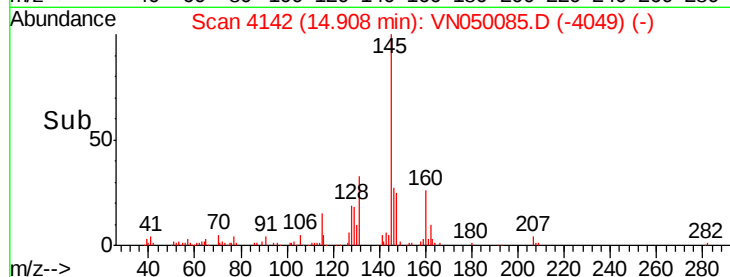
Tot Ion:180 Resp: 277  
 Ion Ratio Lower Upper  
 180 100  
 182 53.1 46.7 140.1  
 145 20023.5 13.8 41.4#



Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

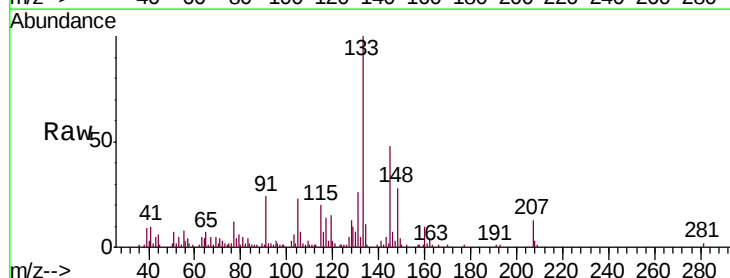


Time-->

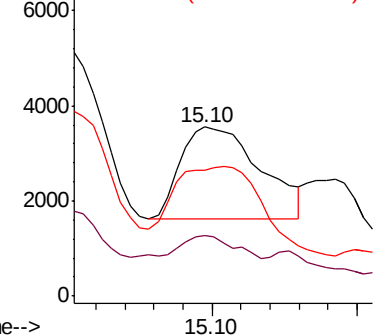


#95  
 Naphthalene  
 Concen: 4.60 ug/l  
 RT: 15.10 min Scan# 4201  
 Delta R.T. -0.04 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

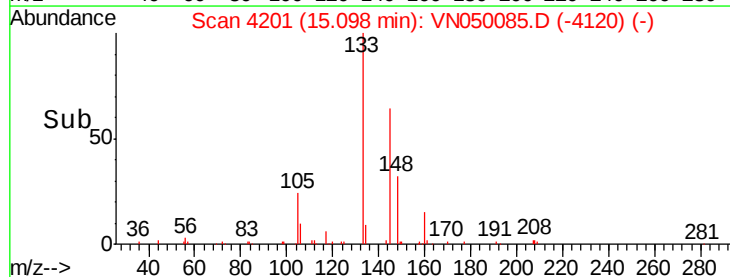
Tgt Ion:128 Resp: 3724  
 Ion Ratio Lower Upper  
 128 100  
 127 21.6 10.4 15.6#  
 129 108.6 8.8 13.2#

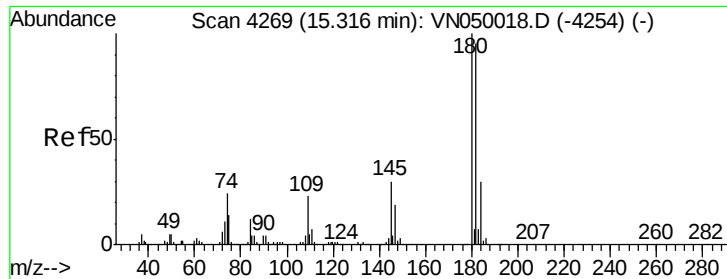


Abundance Ion 128.00 (127.70 to 128.70): V  
 Ion 127.00 (126.70 to 127.70): V  
 Ion 129.00 (128.70 to 129.70): V



Time-->

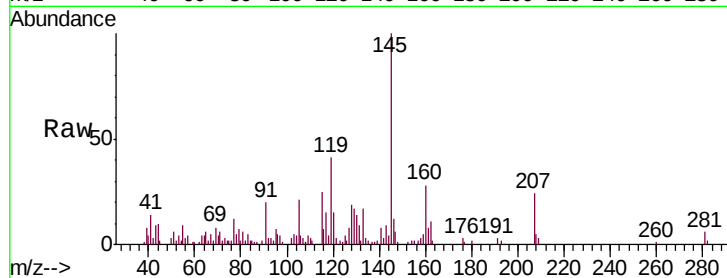




#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.22 ug/l  
 RT: 15.33 min Scan# 4273  
 Delta R.T. 0.01 min  
 Lab File: VN050085.D  
 Acq: 26 Jul 2018 16:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-5

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 24.6  | 48.1  | 144.4# |
| 145     | 0.0   | 15.3  | 45.9#  |



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

