

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\  
 Data File : VN050251.D  
 Acq On : 1 Aug 2018 16:00  
 Operator : MD\SY  
 Sample : J3826-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OK-03-073118

Quant Time: Aug 02 00:55:26 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  | 649902   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1085416  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 915221   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 387379   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 469603   | 51.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.58% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 413443   | 46.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.30%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1470857  | 45.14 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.28%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 418268   | 38.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 77.98%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 2.55  | 94   | 59       | Below Cal | #      | 3      |
| 11) Tert butyl alcohol         | 4.81  | 59   | 2173     | 3.26      | ug/l # | 72     |
| 16) Acetone                    | 3.83  | 43   | 39770    | 14.53     | ug/l   | 100    |
| 18) Methyl Acetate             | 4.34  | 43   | 32701    | 2.38      | ug/l   | 99     |
| 20) Methylene Chloride         | 4.55  | 84   | 22592    | 1.60      | ug/l   | 95     |
| 25) 2-Butanone                 | 6.85  | 43   | 8036     | 2.32      | ug/l   | 94     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 1962     | 0.88      | ug/l # | 60     |
| 30) Chloroform                 | 7.37  | 83   | 3834     | 0.25      | ug/l   | 94     |
| 31) Cyclohexane                | 7.67  | 56   | 12202    | 0.91      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 45575    | 3.73      | ug/l # | 48     |
| 37) Ethyl Acetate              | 6.85  | 43   | 8036     | 0.94      | ug/l # | 69     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 58930    | 4.54      | ug/l # | 16     |
| 41) Methacrylonitrile          | 7.22  | 41   | 582      | 2.87      | ug/l # | 36     |
| 43) Isopropyl Acetate          | 8.18  | 43   | 498520   | 30.59     | ug/l # | 83     |
| 48) Methyl methacrylate        | 9.18  | 41   | 10212    | 1.39      | ug/l # | 22     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3250     | 0.39      | ug/l # | 85     |
| 56) Ethyl methacrylate         | 10.28 | 69   | 153      | 2.04      | ug/l # | 1      |
| 59) 2-Hexanone                 | 10.77 | 43   | 18370    | 8.10      | ug/l # | 58     |
| 67) Ethyl Benzene              | 11.51 | 91   | 10445    | 0.28      | ug/l   | 100    |
| 68) m/p-Xylenes                | 11.62 | 106  | 3793     | 0.27      | ug/l   | 91     |
| 69) o-Xylene                   | 11.95 | 106  | 3819     | 0.29      | ug/l   | 83     |
| 70) Styrene                    | 11.96 | 104  | 881      | 0.96      | ug/l # | 60     |
| 71) Bromoform                  | 12.40 | 173  | 2148     | 0.33      | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.40 | 83   | 246      | Below Cal | #      | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 202474   | 28.12     | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 202474   | 89.21     | ug/l # | 13     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 11925    | 0.50      | ug/l   | 98     |
| 90) Hexachloroethane           | 13.89 | 117  | 2267     | 0.44      | ug/l # | 4      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 251      | Below Cal | #      | 1      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 761      | 3.18      | ug/l # | 58     |
| 95) Naphthalene                | 15.14 | 128  | 7534643  | 392.70    | ug/l   | 100    |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 66       | 2.21      | ug/l # | 12     |

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ClientSampleId :  
OK-03-073118

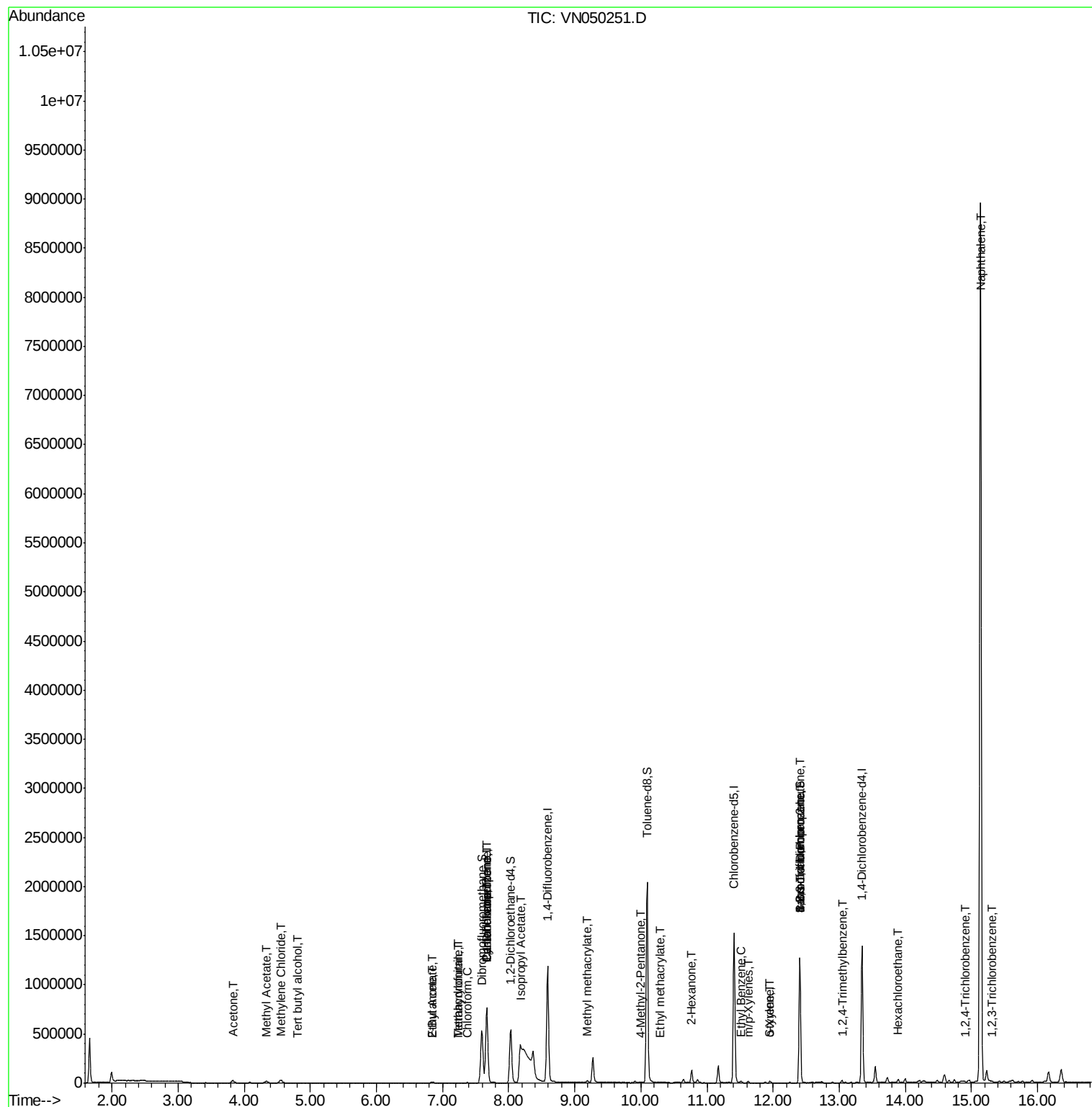
Quant Time: Aug 02 00:55:26 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration

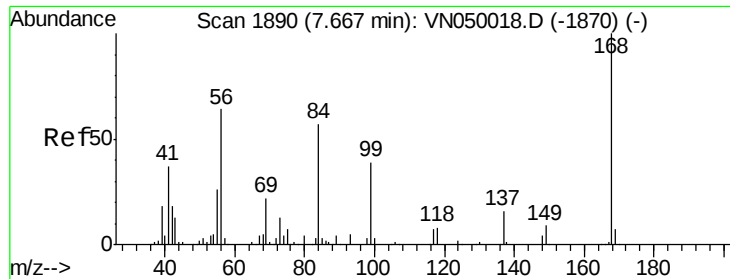
| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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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: VN050251.D

Acq: 1 Aug 2018 16:00

Instrument :

MSVOA\_N

ClientSampleId :

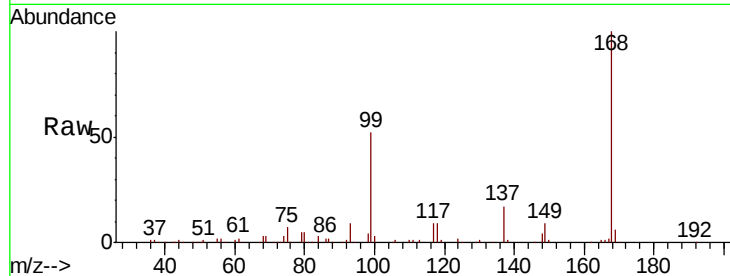
OK-03-073118

Tot Ion:168 Resp: 649902

Ion Ratio Lower Upper

168 100

99 52.0 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

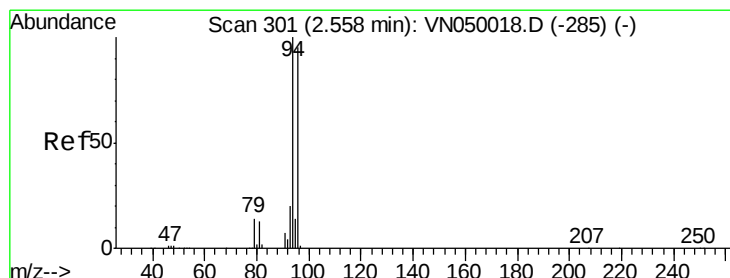
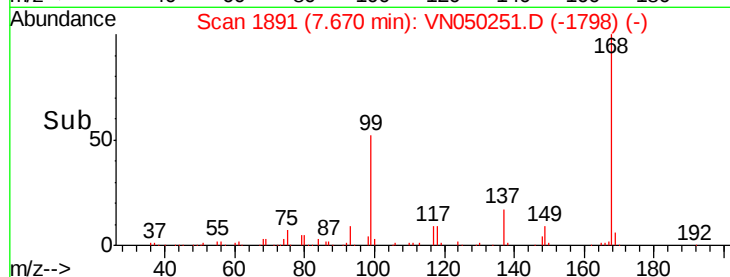
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 297

Delta R.T. -0.01 min

Lab File: VN050251.D

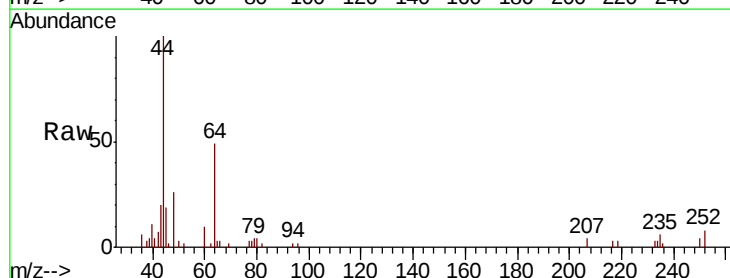
Acq: 1 Aug 2018 16:00

Tgt Ion: 94 Resp: 59

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

200

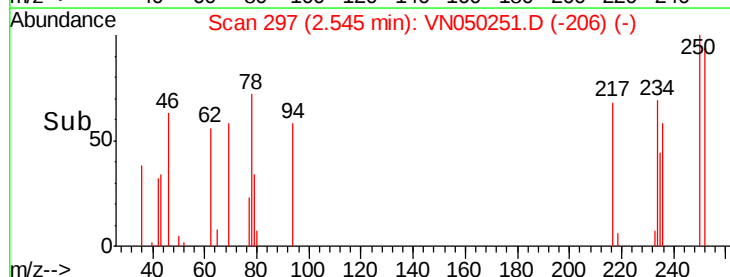
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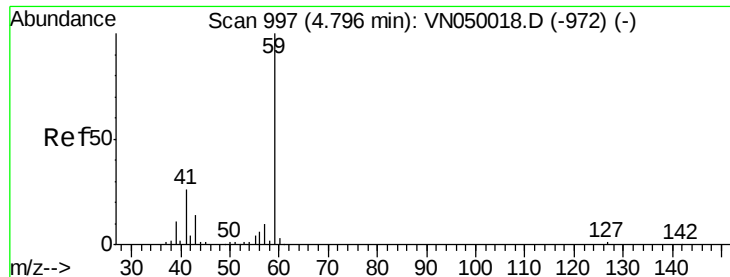
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50

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Time-->

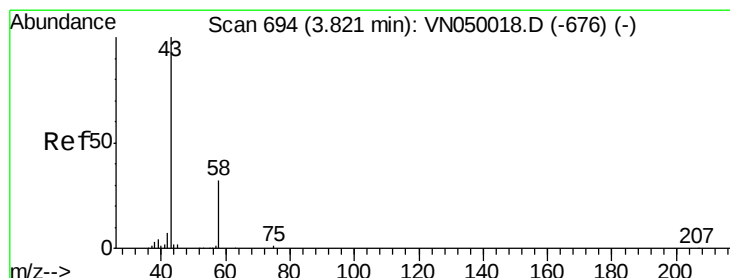
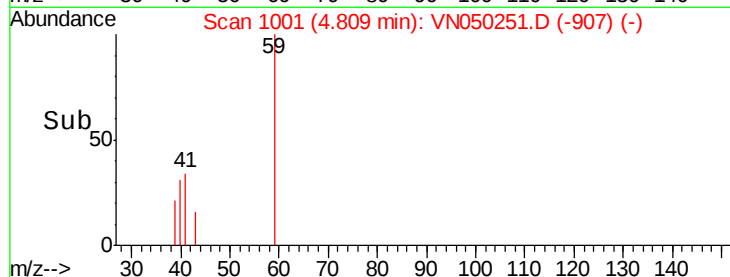
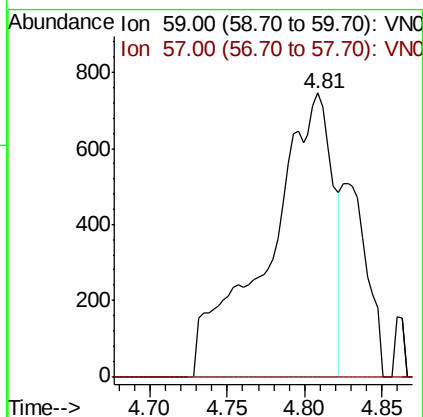
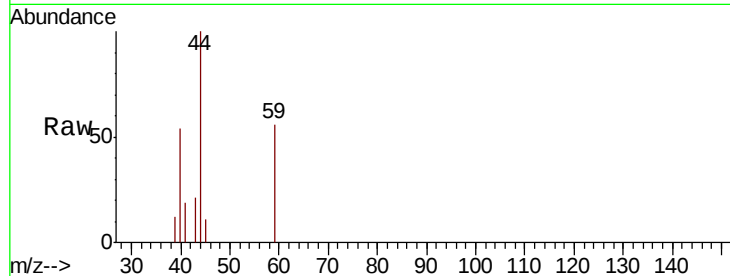




#11  
Tert butyl alcohol  
Concen: 3.26 ug/l  
RT: 4.81 min Scan# 1001  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

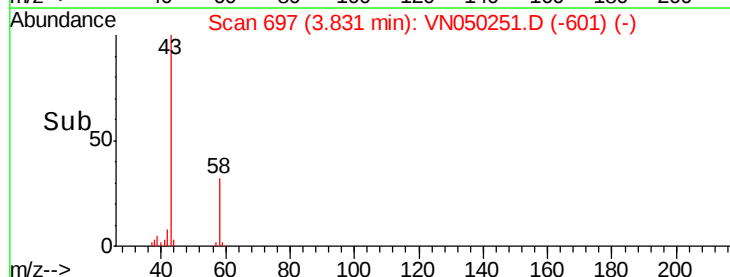
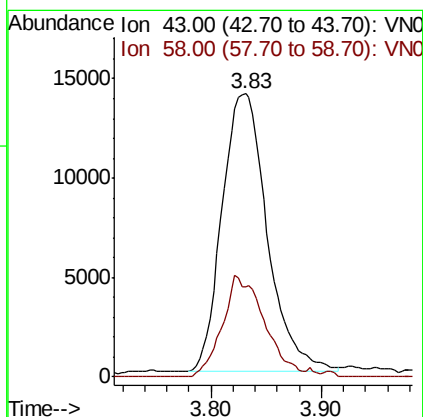
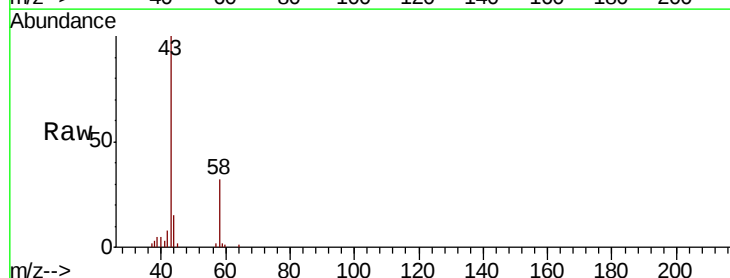
Instrument :  
MSVOA\_N  
ClientSampled :  
OK-03-073118

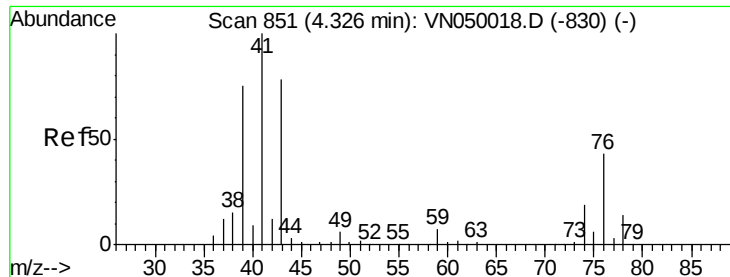
Tot Ion: 59 Resp: 2173  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



#16  
Acetone  
Concen: 14.53 ug/l  
RT: 3.83 min Scan# 697  
Delta R.T. 0.01 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion: 43 Resp: 39770  
Ion Ratio Lower Upper  
43 100  
58 32.5 25.8 38.8

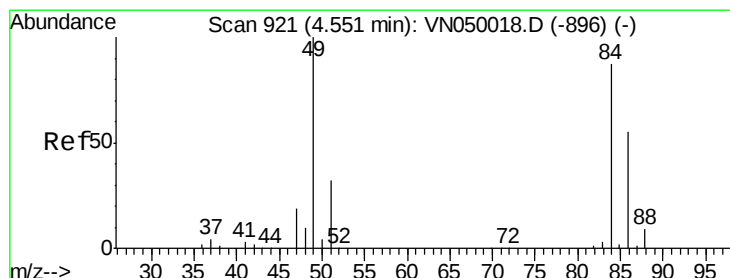
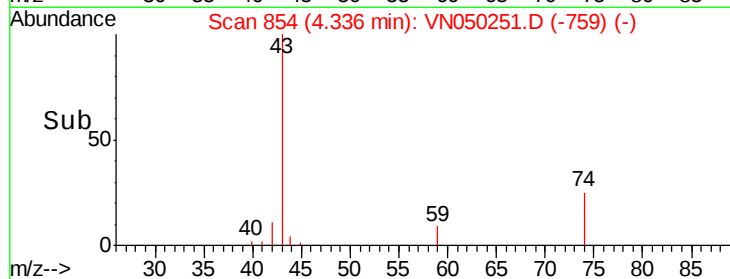
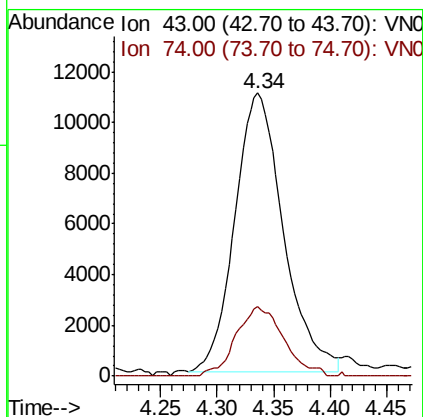
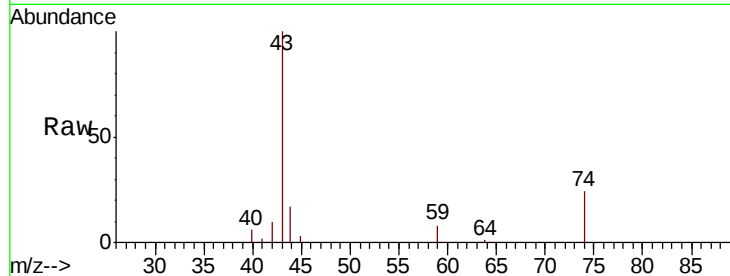




#18  
Methyl Acetate  
Concen: 2.38 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

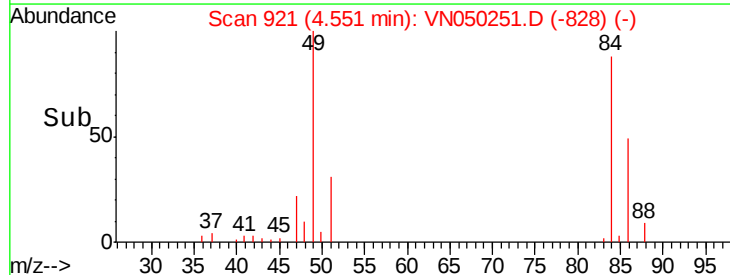
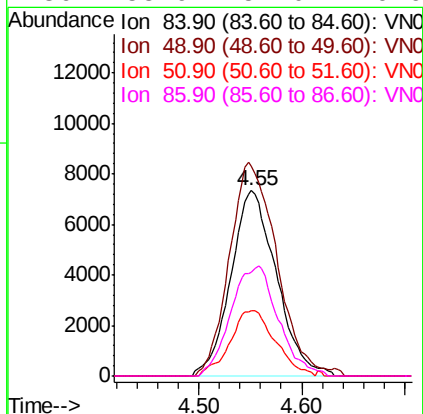
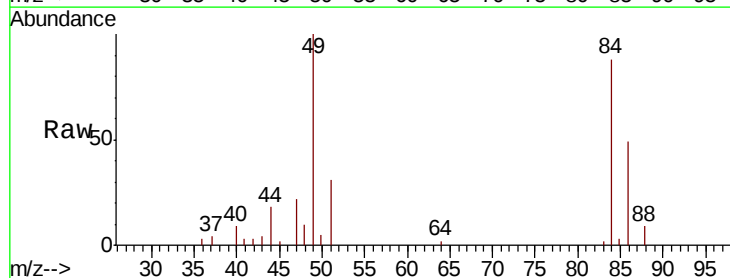
Instrument :  
MSVOA\_N  
ClientSampled :  
OK-03-073118

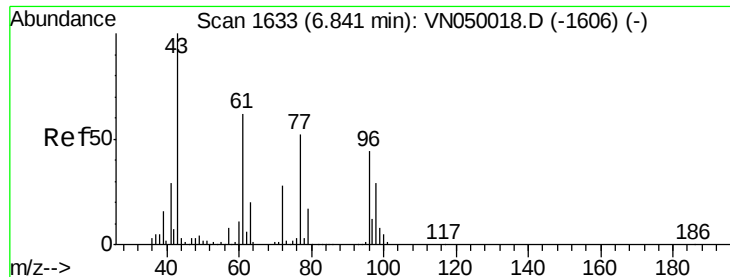
Tot Ion: 43 Resp: 32701  
Ion Ratio Lower Upper  
43 100  
74 24.6 19.2 28.8



#20  
Methylene Chloride  
Concen: 1.60 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion: 84 Resp: 22592  
Ion Ratio Lower Upper  
84 100  
49 113.5 94.8 142.2  
51 35.1 28.3 42.5  
86 55.9 51.0 76.6

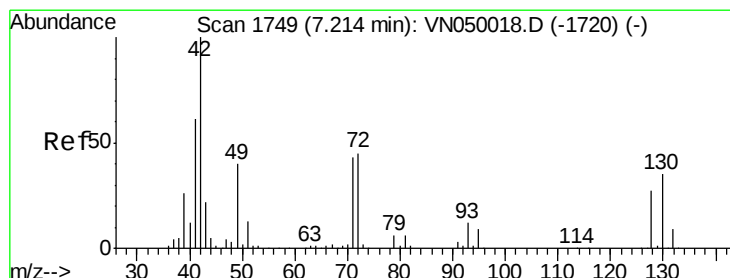
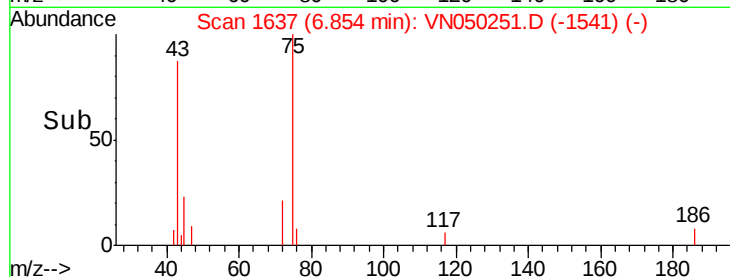
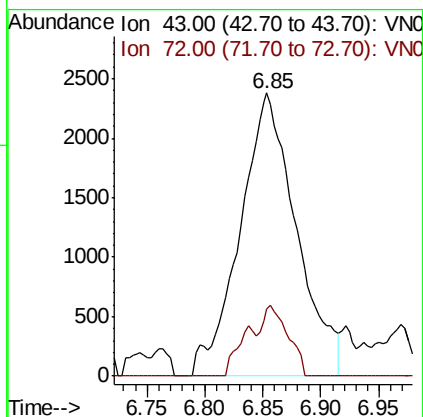
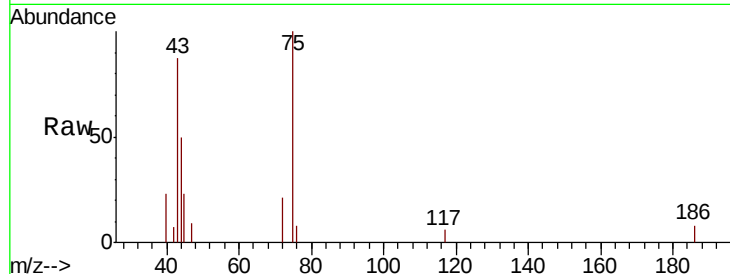




#25  
2-Butanone  
Concen: 2.32 ug/l  
RT: 6.85 min Scan# 1637  
Delta R.T. 0.01 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

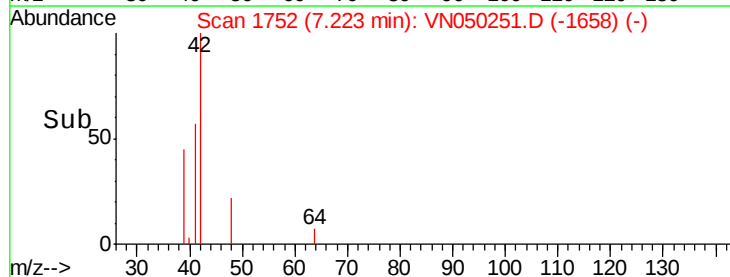
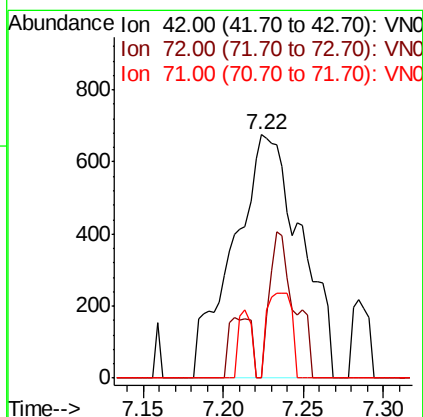
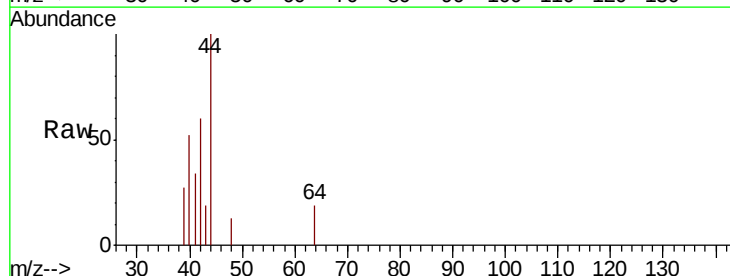
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MSVOA\_N  
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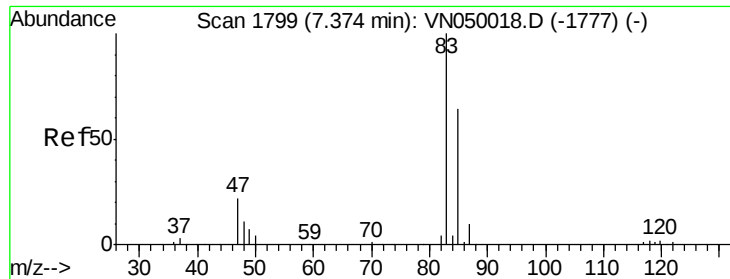
Tot Ion: 43 Resp: 8036  
Ion Ratio Lower Upper  
43 100  
72 23.7 21.5 32.3



#29  
Tetrahydrofuran  
Concen: 0.88 ug/l  
RT: 7.22 min Scan# 1752  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion: 42 Resp: 1962  
Ion Ratio Lower Upper  
42 100  
72 22.4 35.9 53.9#  
71 12.9 33.7 50.5#

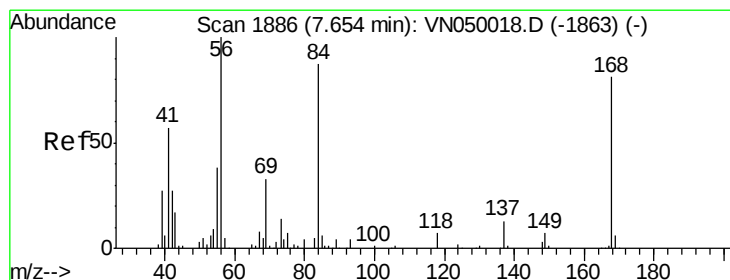
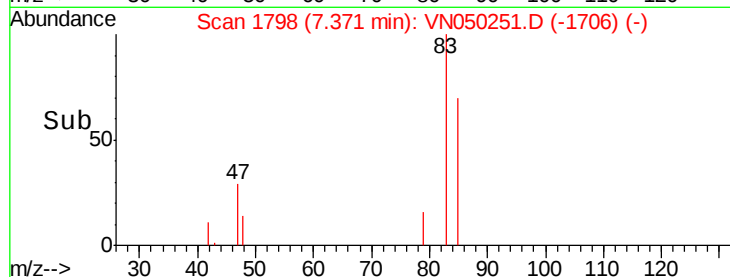
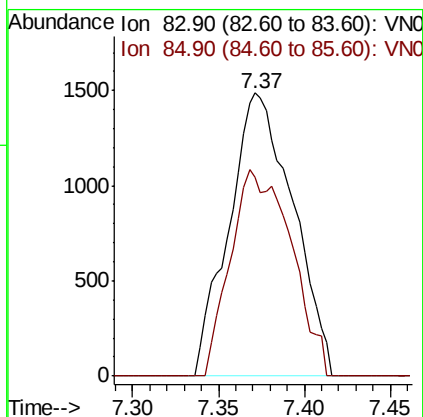
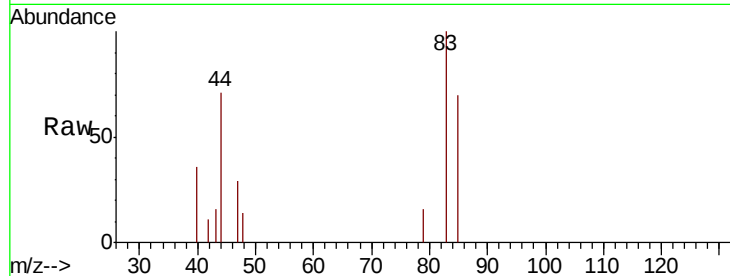




#30  
Chloroform  
Concen: 0.25 ug/l  
RT: 7.37 min Scan# 1798  
Delta R.T. -0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

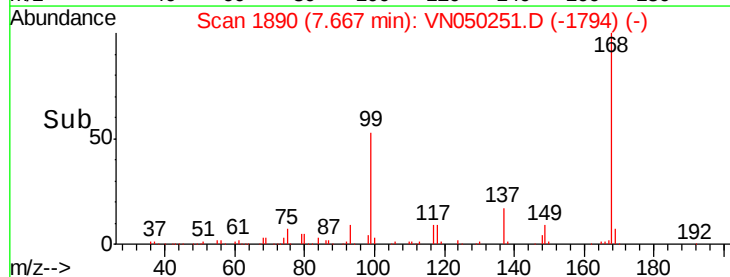
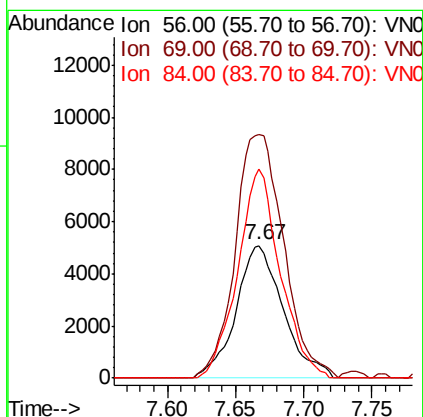
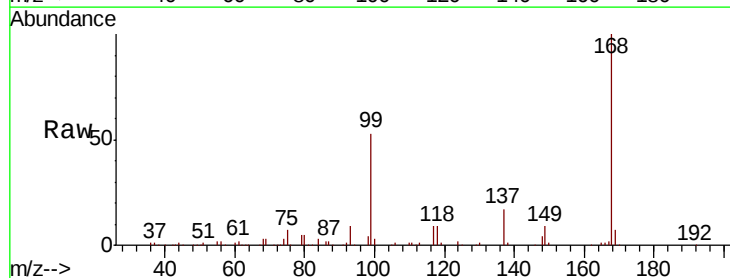
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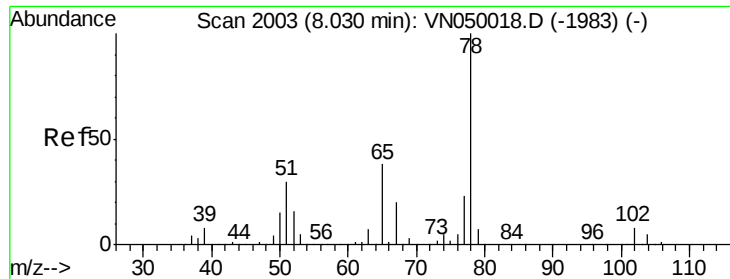
Tot Ion: 83 Resp: 3834  
Ion Ratio Lower Upper  
83 100  
85 70.1 52.5 78.7



#31  
Cyclohexane  
Concen: 0.91 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. 0.01 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion: 56 Resp: 12202  
Ion Ratio Lower Upper  
56 100  
69 183.5 26.2 39.4#  
84 157.3 67.4 101.0#

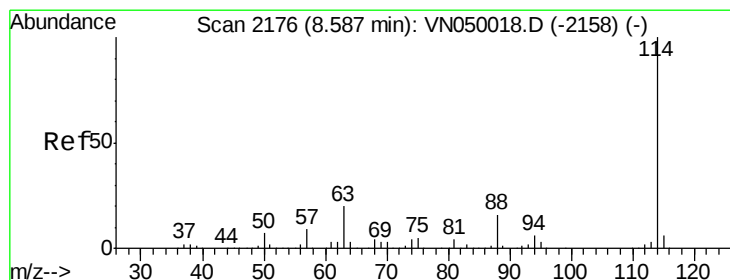
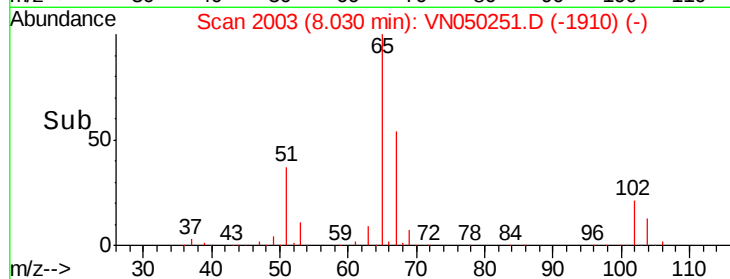
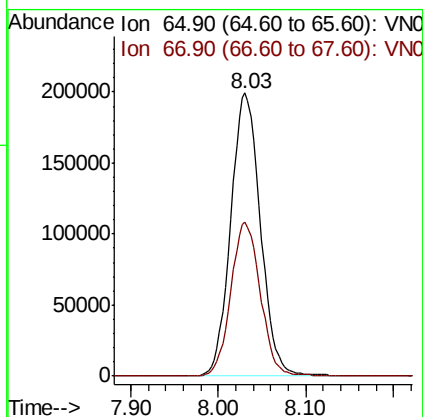
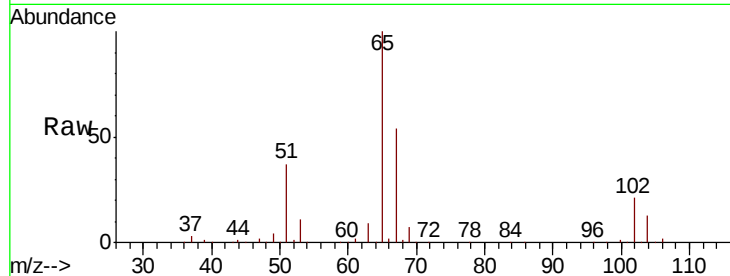




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.79 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050251.D  
 Acq: 1 Aug 2018 16:00

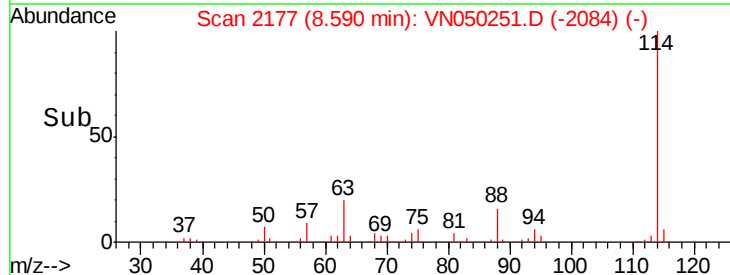
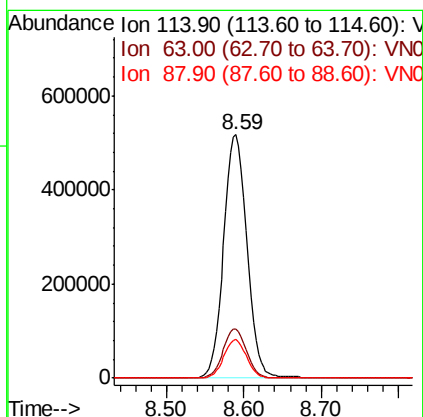
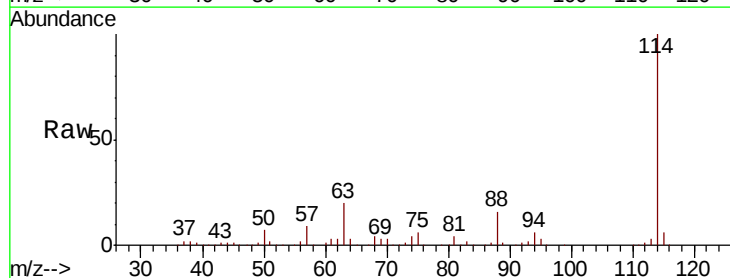
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 ClientSampleId :  
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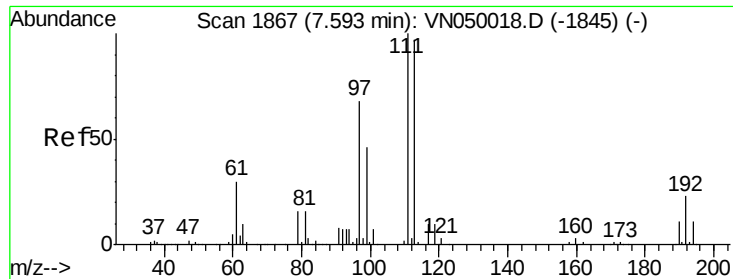
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 Ion Ratio Lower Upper  
 65 100  
 67 54.0 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050251.D  
 Acq: 1 Aug 2018 16:00

Tgt Ion: 114 Resp: 1085416  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 40.0  
 88 15.8 0.0 31.2

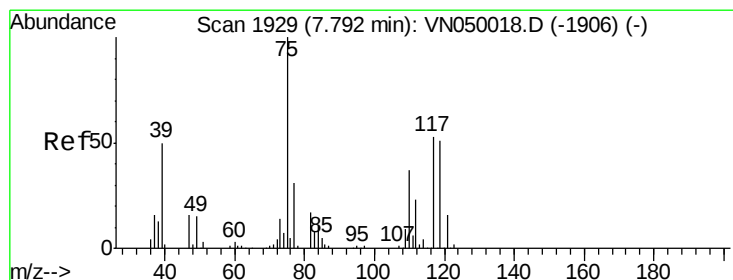
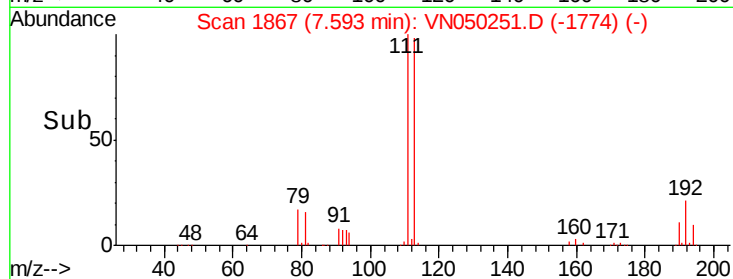
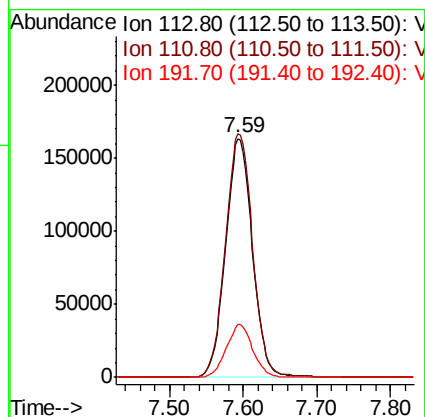
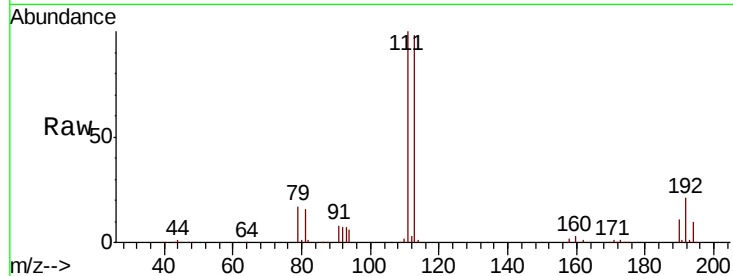




#35  
 Dibromofluoromethane  
 Concen: 46.65 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050251.D  
 Acq: 1 Aug 2018 16:00

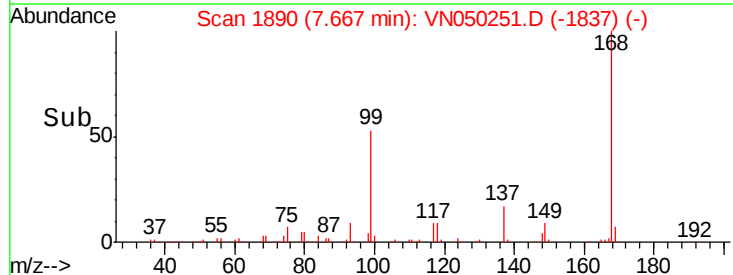
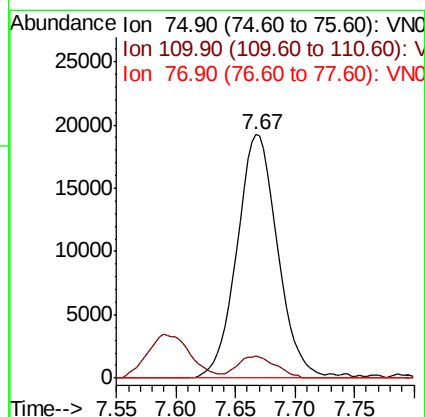
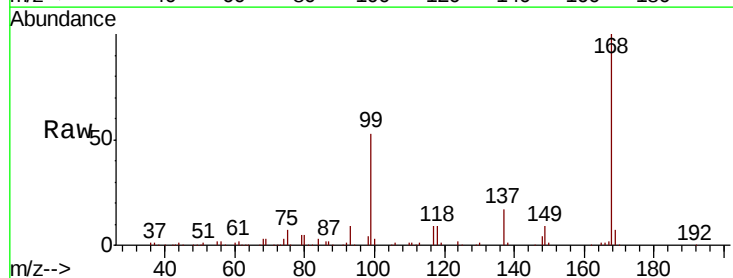
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OK-03-073118

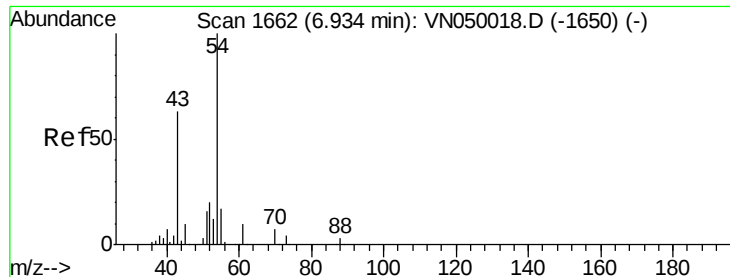
Tot Ion:113 Resp: 413443  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 80.7 121.1  
 192 21.8 17.8 26.6



#36  
 1,1-Dichloropropene  
 Concen: 3.73 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.13 min  
 Lab File: VN050251.D  
 Acq: 1 Aug 2018 16:00

Tgt Ion: 75 Resp: 45575  
 Ion Ratio Lower Upper  
 75 100  
 110 8.5 18.4 55.2#  
 77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.94 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. -0.08 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

Instrument :

MSVOA\_N

ClientSampleId :

OK-03-073118

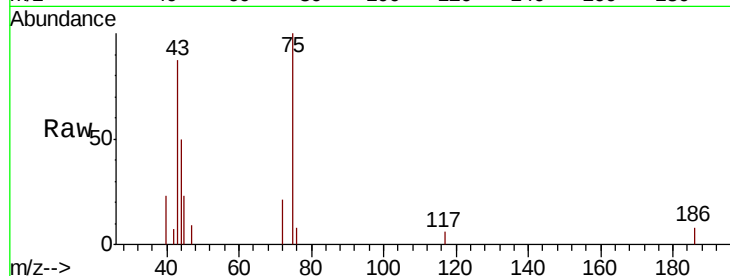
Tot Ion: 43 Resp: 8036

Ion Ratio Lower Upper

43 100

61 0.8 11.8 17.8#

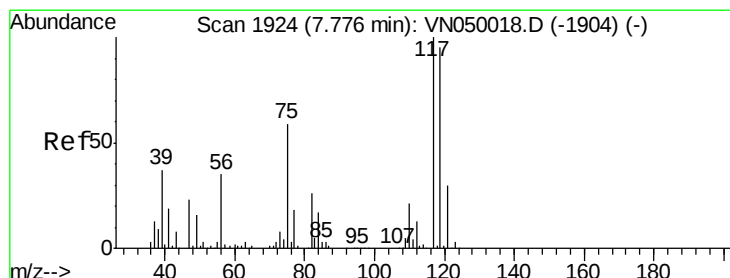
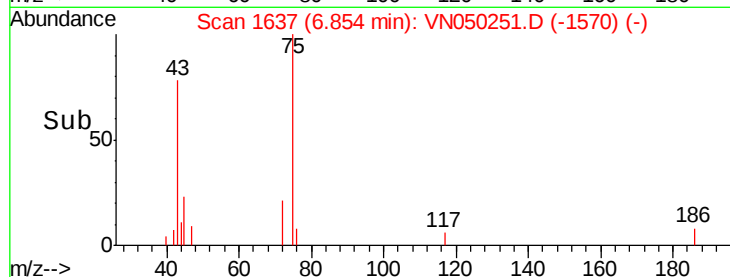
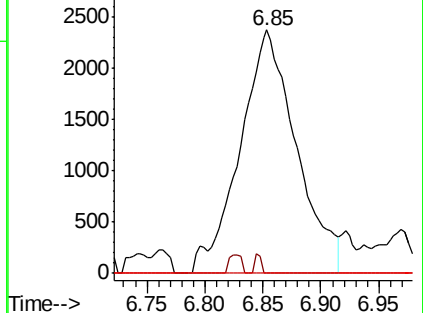
70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 4.54 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

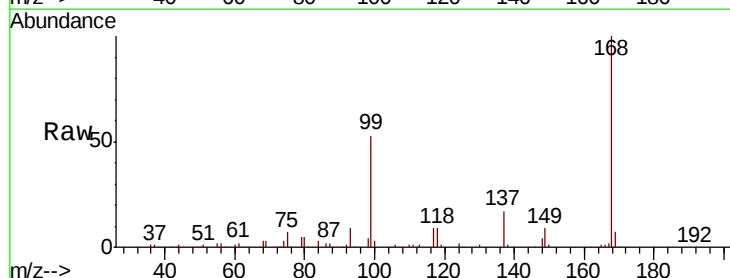
Tgt Ion: 117 Resp: 58930

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

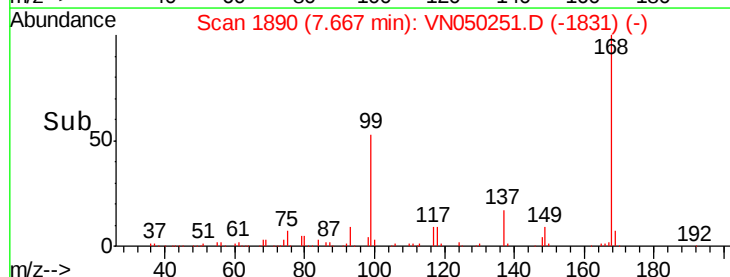
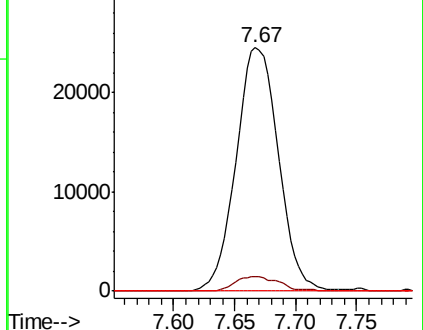
121 0.0 23.9 35.9#

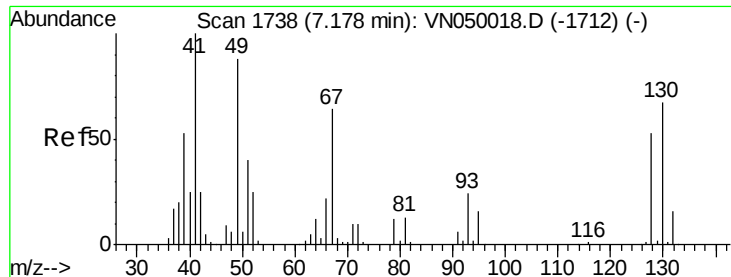


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

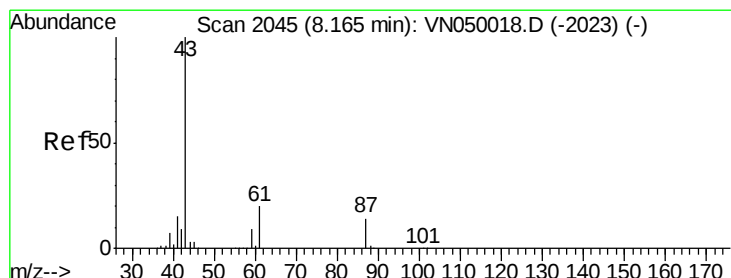
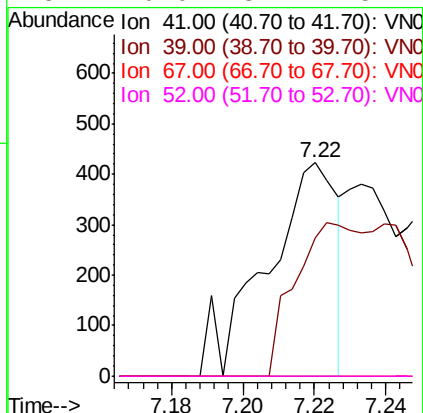
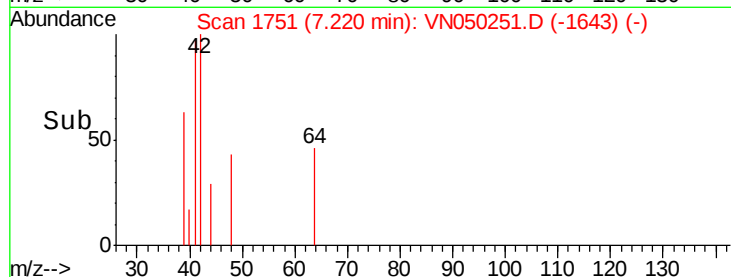
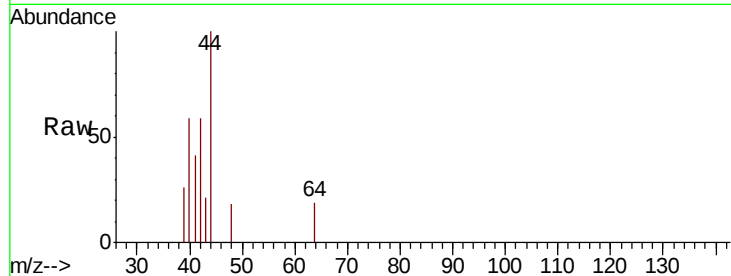




#41  
Methacrylonitrile  
Concen: 2.87 ug/l  
RT: 7.22 min Scan# 1751  
Delta R.T. 0.05 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

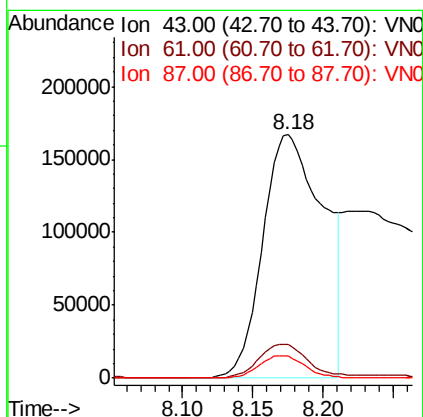
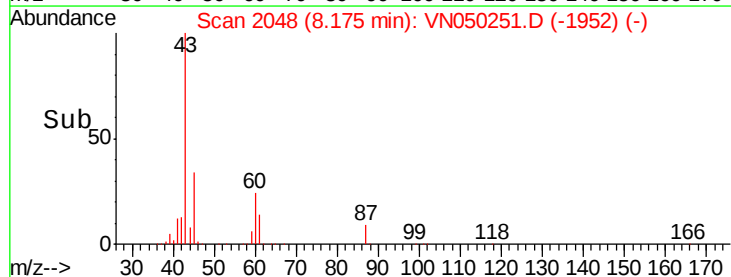
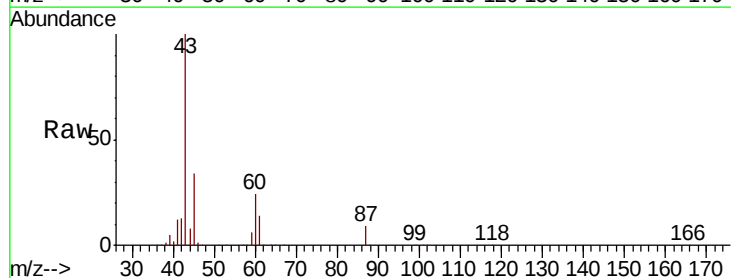
Instrument :  
MSVOA\_N  
ClientSampleId :  
OK-03-073118

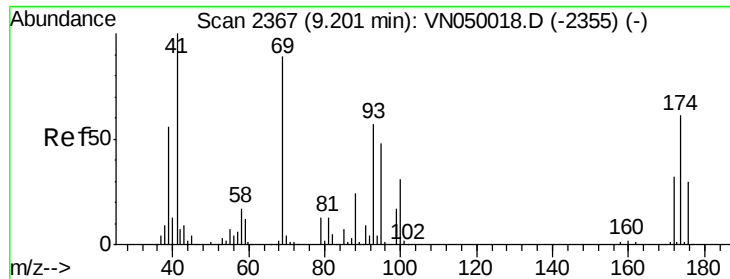
Tot Ion: 41 Resp: 582  
Ion Ratio Lower Upper  
41 100  
39 66.3 55.8 83.6  
67 0.0 84.3 126.5#  
52 0.0 34.2 51.2#



#43  
Isopropyl Acetate  
Concen: 30.59 ug/l  
RT: 8.18 min Scan# 2048  
Delta R.T. 0.01 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion: 43 Resp: 498520  
Ion Ratio Lower Upper  
43 100  
61 11.4 15.8 23.6#  
87 7.1 10.3 15.5#

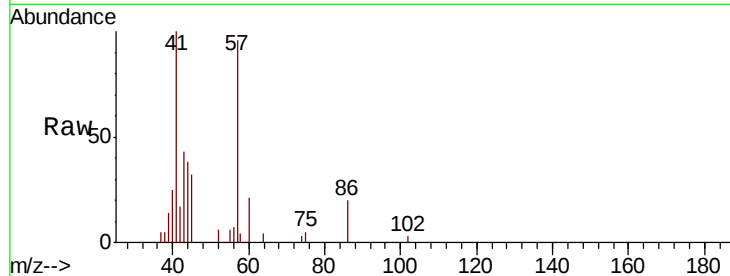




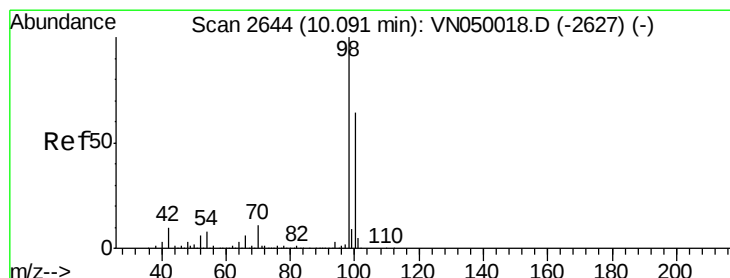
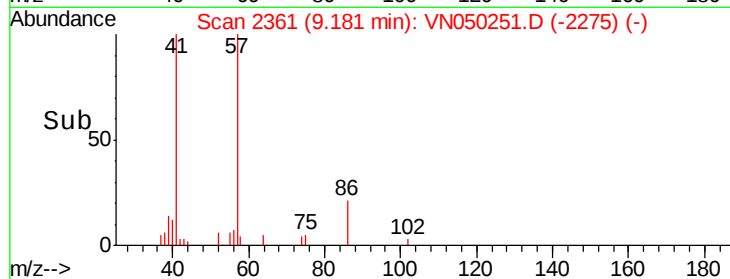
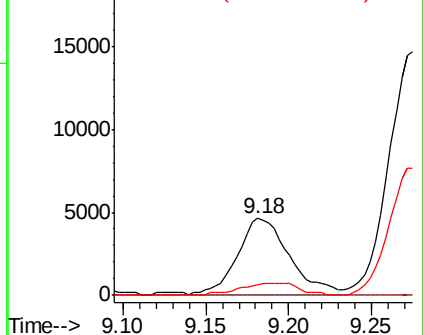
#48  
Methvl methacrylate  
Concen: 1.39 ug/l  
RT: 9.18 min Scan# 2361  
Delta R.T. -0.02 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
OK-03-073118

Tot Ion: 41 Resp: 10212  
Ion Ratio Lower Upper  
41 100  
69 0.0 70.6 105.8#  
39 17.9 43.9 65.9#

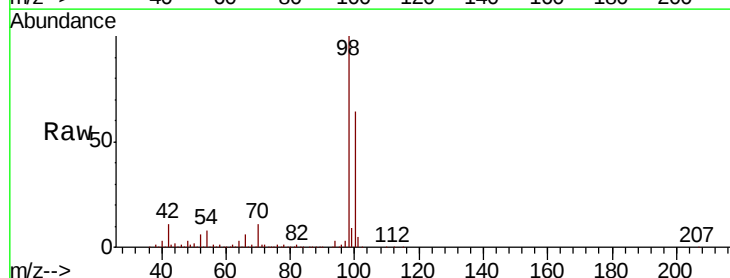


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

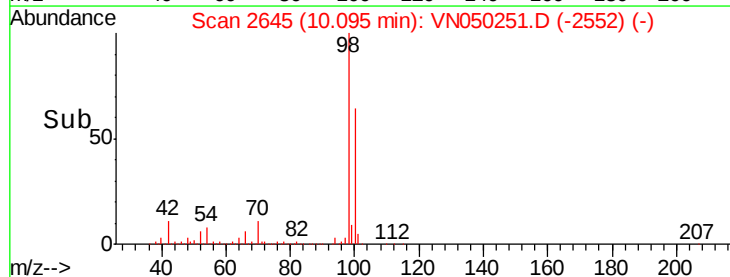
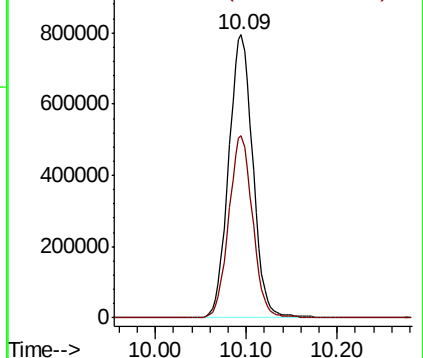


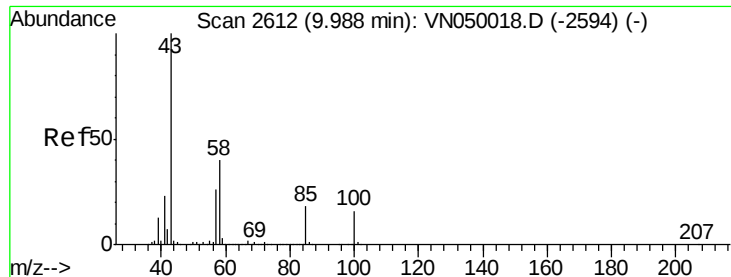
#50  
Toluene-d8  
Concen: 45.14 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion: 98 Resp: 1470857  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.7 76.1



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

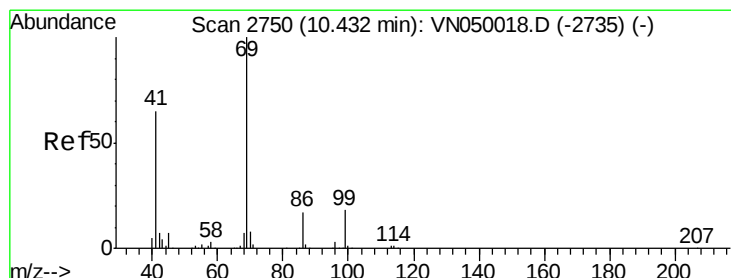
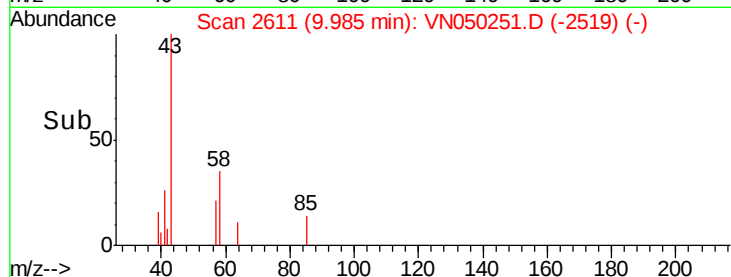
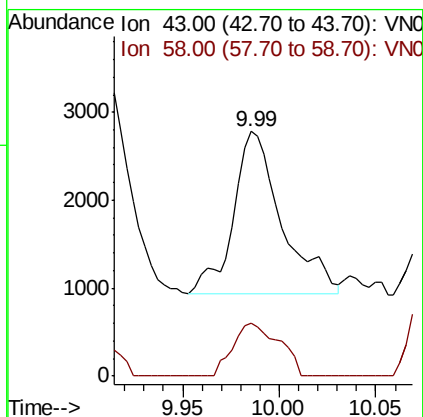
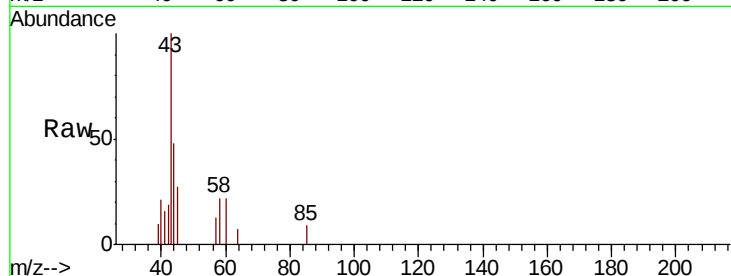




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.39 ug/l  
 RT: 9.99 min Scan# 2611  
 Delta R.T. -0.00 min  
 Lab File: VN050251.D  
 Acq: 1 Aug 2018 16:00

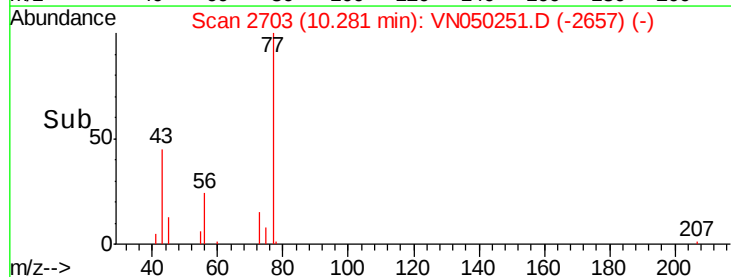
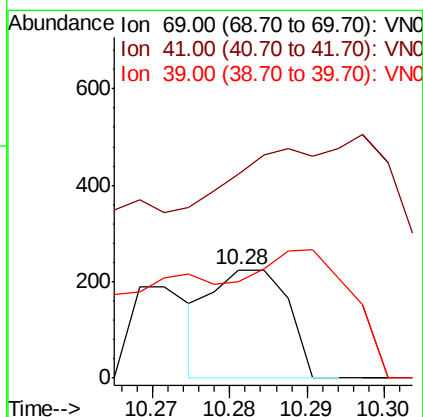
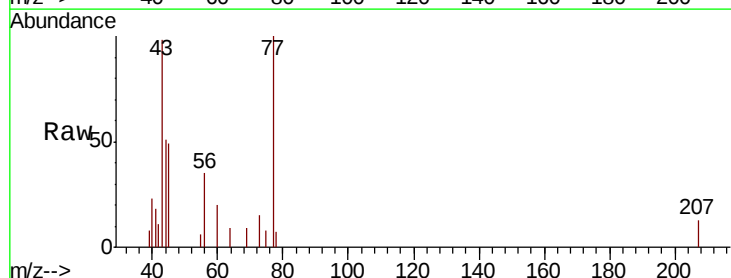
Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 OK-03-073118

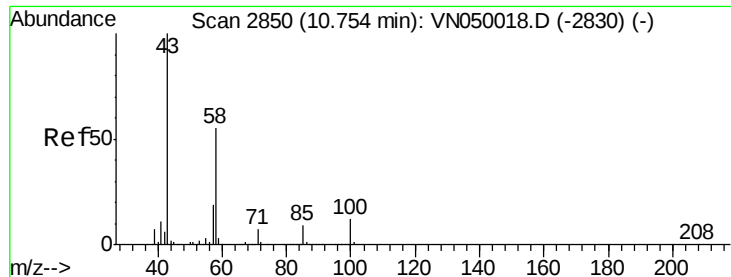
Tot Ion: 43 Resp: 3250  
 Ion Ratio Lower Upper  
 43 100  
 58 30.5 31.9 47.9#



#56  
 Ethyl methacrylate  
 Concen: 2.04 ug/l  
 RT: 10.28 min Scan# 2703  
 Delta R.T. -0.15 min  
 Lab File: VN050251.D  
 Acq: 1 Aug 2018 16:00

Tgt Ion: 69 Resp: 153  
 Ion Ratio Lower Upper  
 69 100  
 41 568.6 51.0 76.4#  
 39 140.5 26.6 40.0#

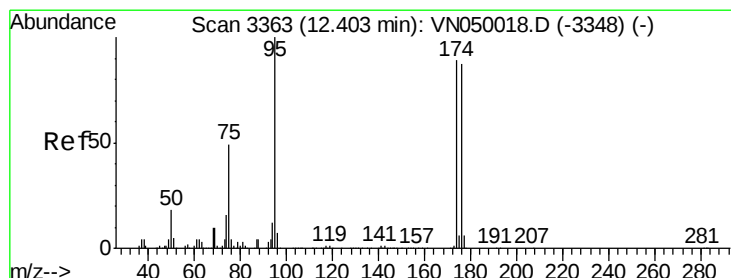
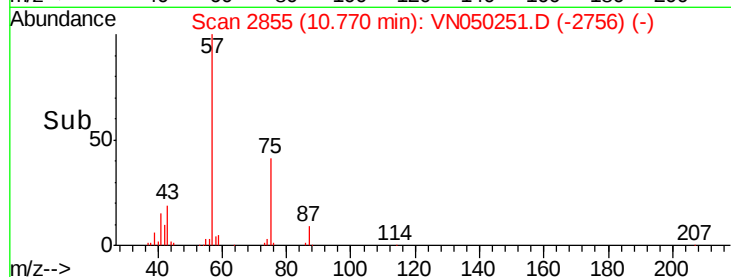
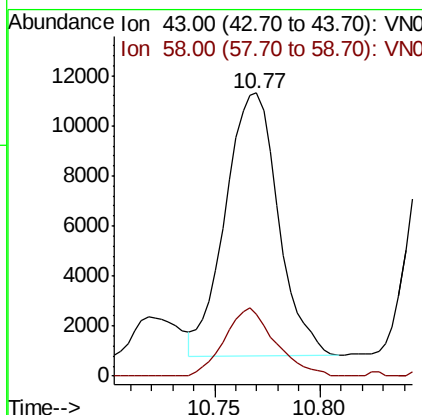
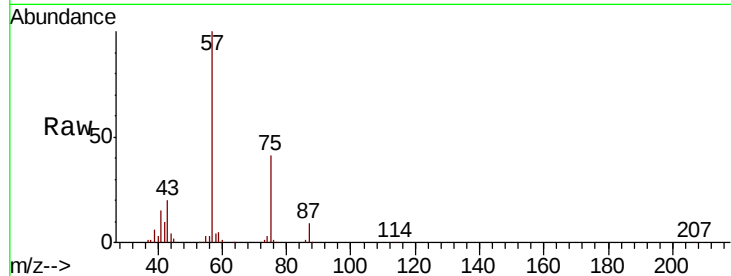




#59  
2-Hexanone  
Concen: 8.10 ug/l  
RT: 10.77 min Scan# 2855  
Delta R.T. 0.02 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

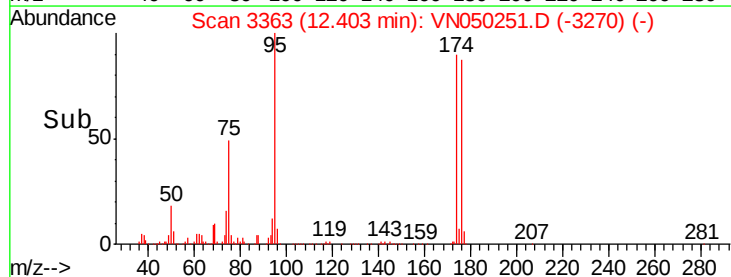
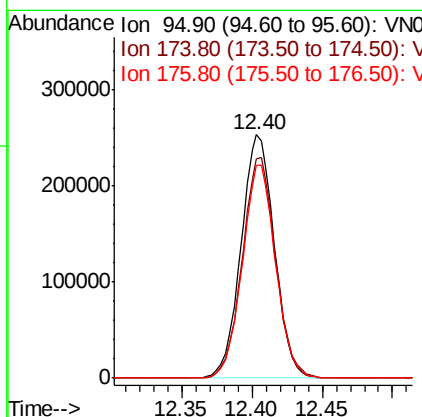
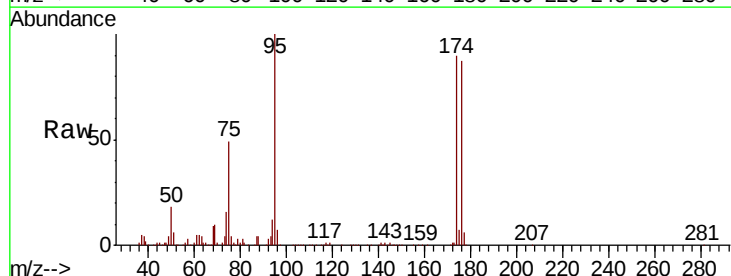
Instrument :  
MSVOA\_N  
ClientSampleId :  
OK-03-073118

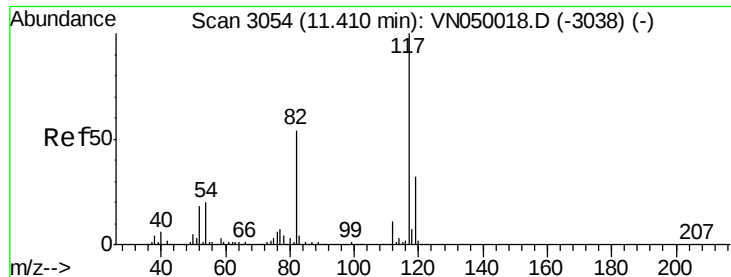
Tot Ion: 43 Resp: 18370  
Ion Ratio Lower Upper  
43 100  
58 24.6 27.6 82.7#



#62  
4-Bromofluorobenzene  
Concen: 38.99 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion: 95 Resp: 418268  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 178.2  
176 87.3 0.0 173.4

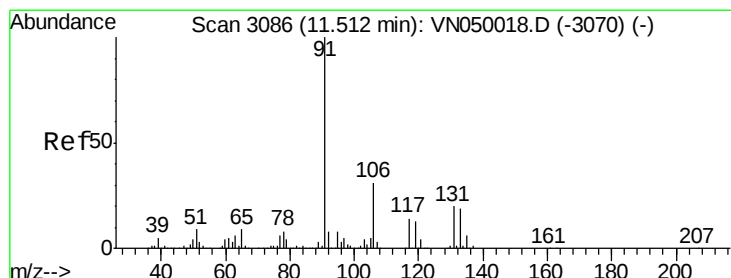
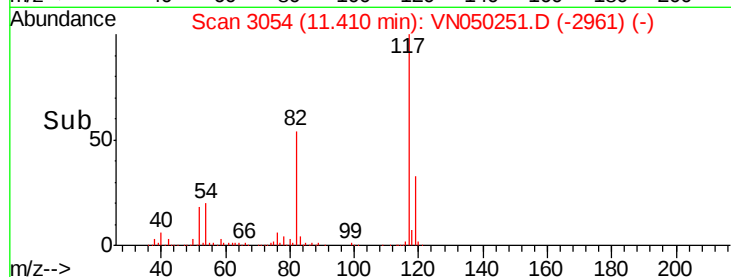
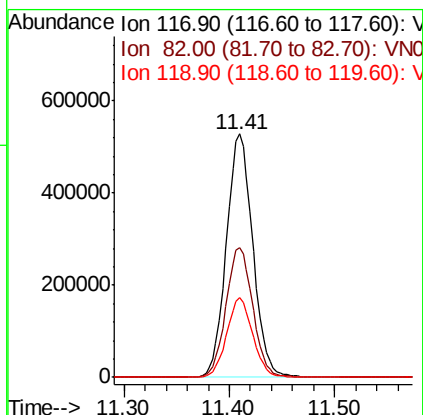
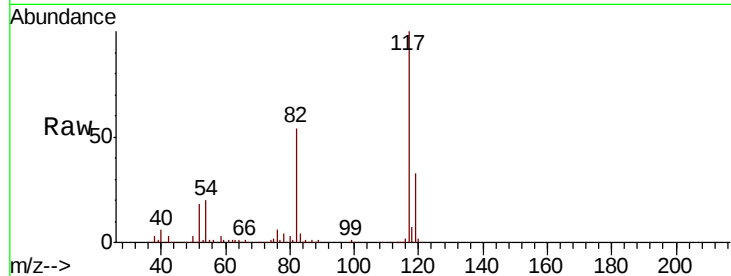




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

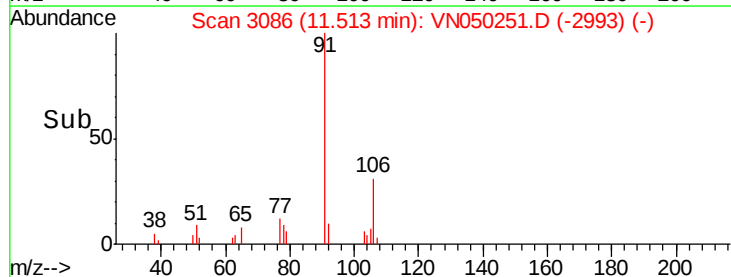
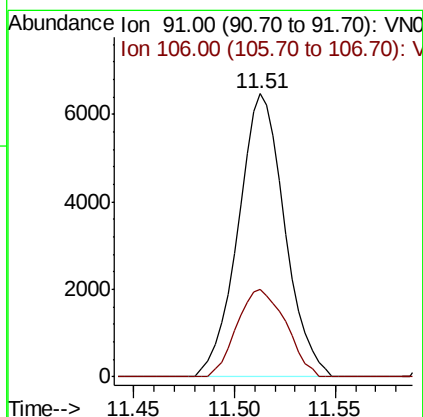
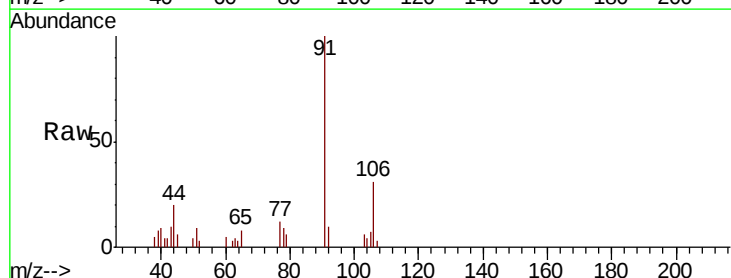
Instrument :  
MSVOA\_N  
ClientSampleId :  
OK-03-073118

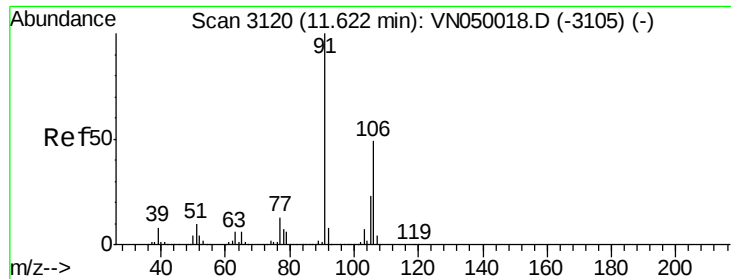
Tot Ion:117 Resp: 915221  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.7 65.5  
119 32.6 26.1 39.1



#67  
Ethyl Benzene  
Concen: 0.28 ug/l  
RT: 11.51 min Scan# 3086  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion: 91 Resp: 10445  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.0 37.4

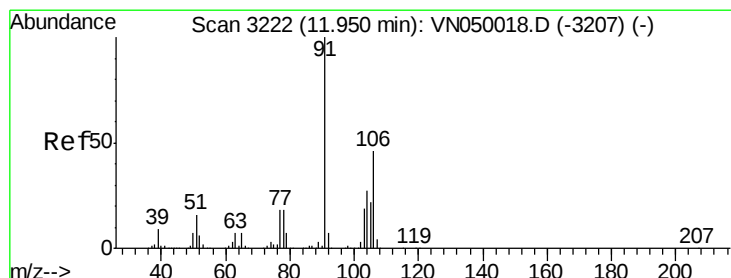
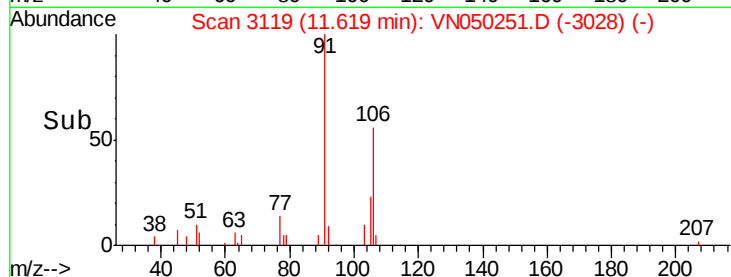
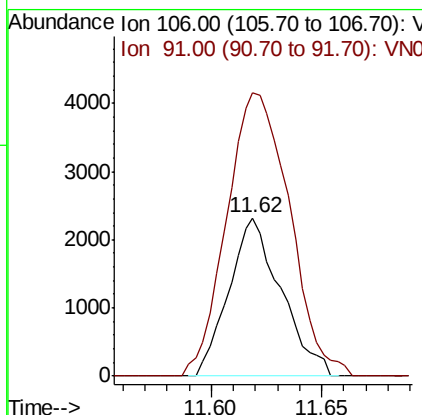
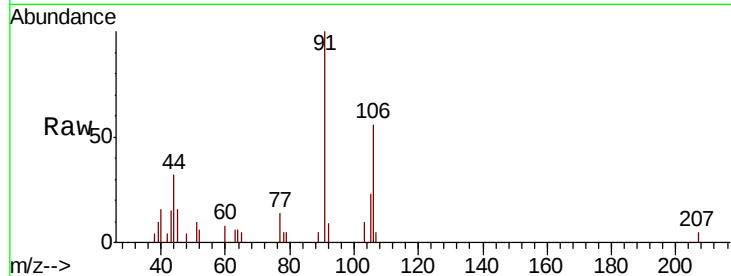




#68  
m/p-Xylenes  
Concen: 0.27 ug/l  
RT: 11.62 min Scan# 3119  
Delta R.T. -0.01 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

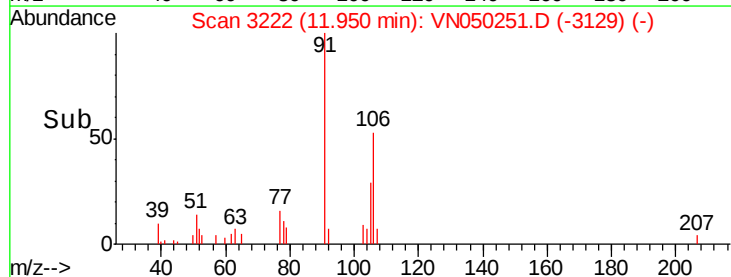
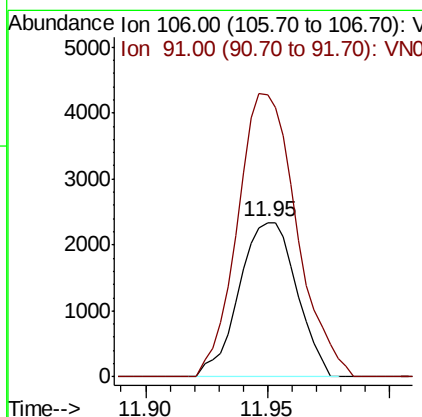
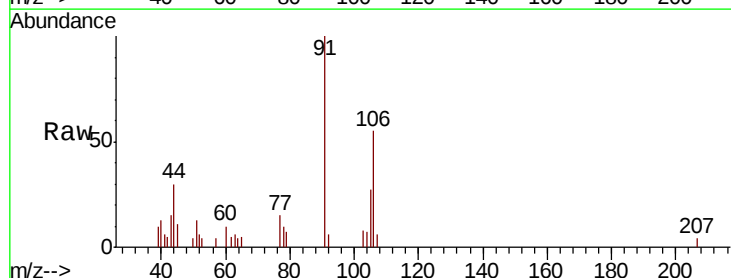
Instrument :  
MSVOA\_N  
ClientSampleId :  
OK-03-073118

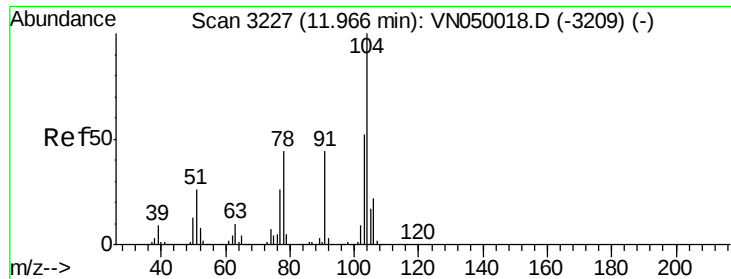
Tot Ion:106 Resp: 3793  
Ion Ratio Lower Upper  
106 100  
91 215.7 162.2 243.2



#69  
o-Xylene  
Concen: 0.29 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion:106 Resp: 3819  
Ion Ratio Lower Upper  
106 100  
91 189.1 107.7 323.1





#70

Stvrene

Concen: 0.96 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

Instrument :

MSVOA\_N

ClientSampleId :

OK-03-073118

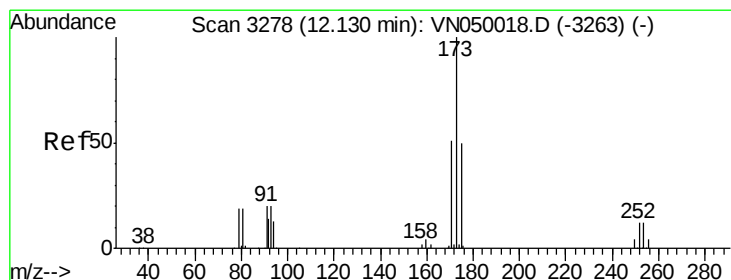
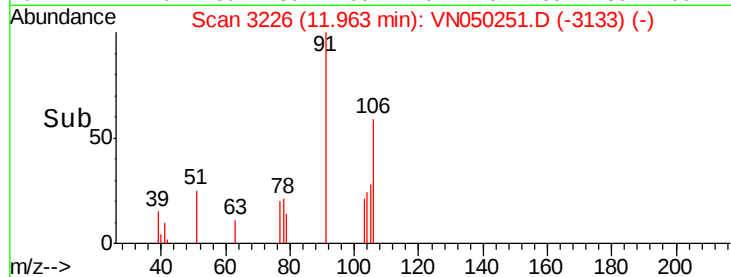
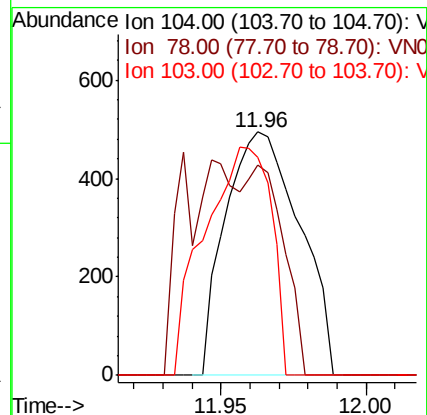
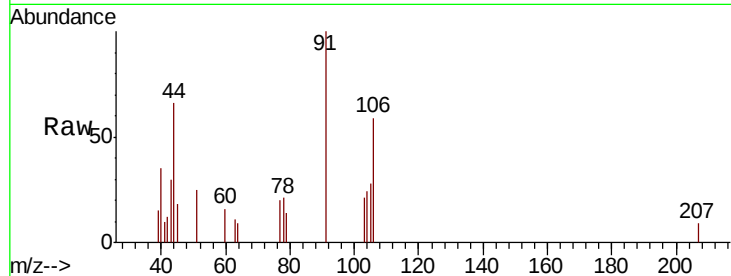
Tot Ion:104 Resp: 881

Ion Ratio Lower Upper

104 100

78 20.1 39.3 58.9#

103 83.9 45.0 67.6#



#71

Bromoform

Concen: 0.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

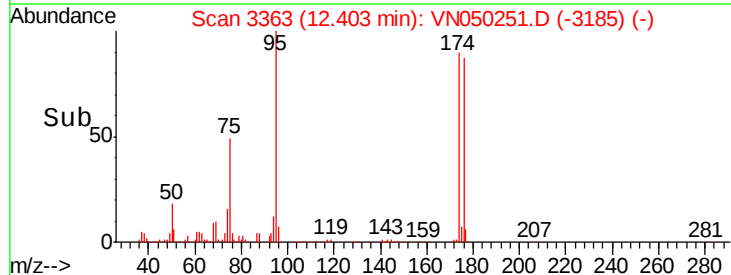
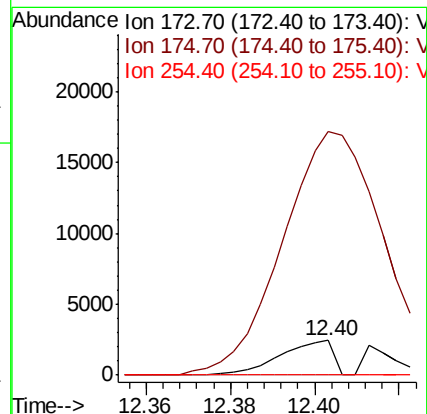
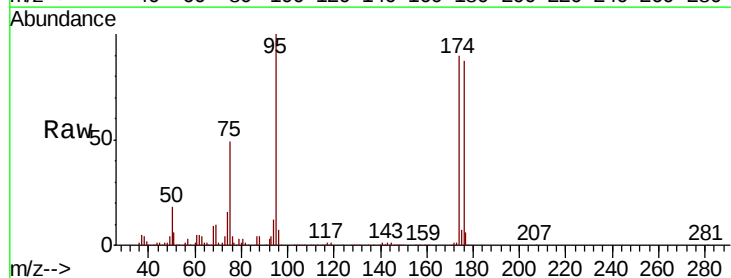
Tgt Ion:173 Resp: 2148

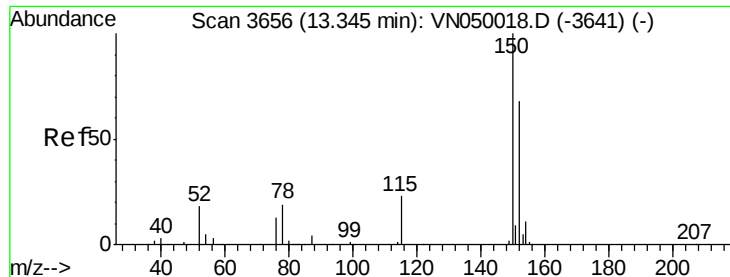
Ion Ratio Lower Upper

173 100

175 1176.0 24.1 72.2#

254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

Instrument :

MSVOA\_N

ClientSampleId :

OK-03-073118

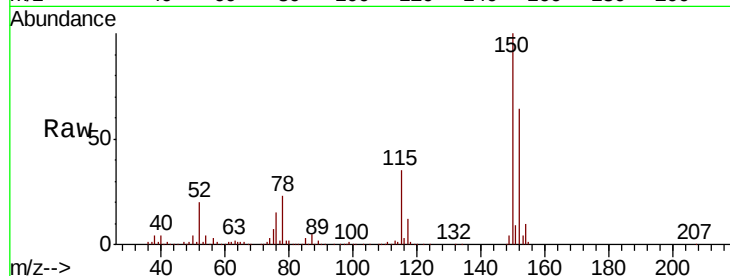
Tot Ion:152 Resp: 387379

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

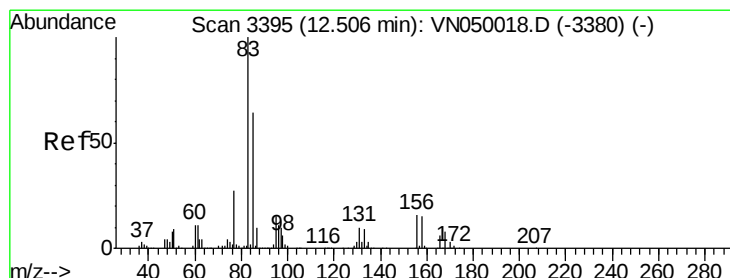
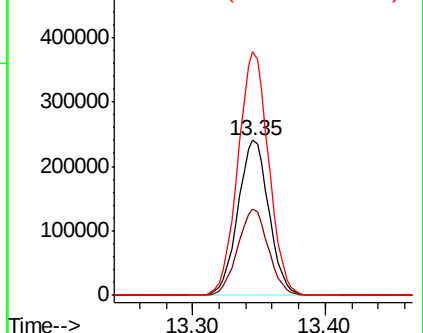
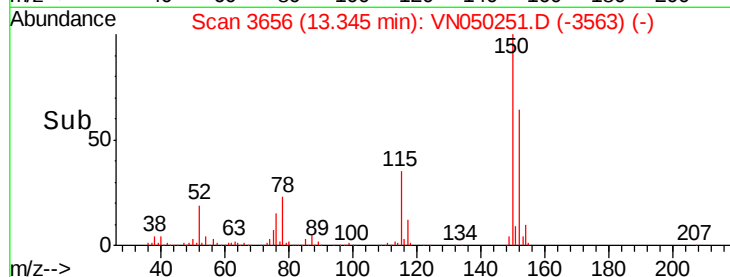
150 156.7 0.0 348.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

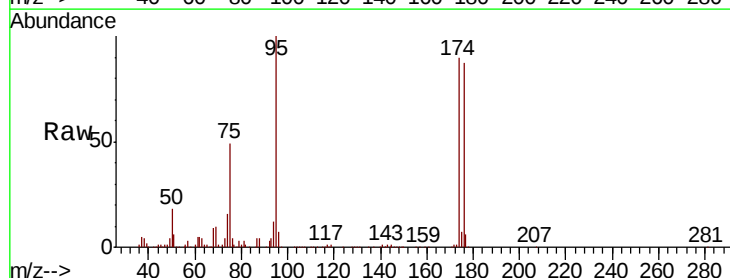
Tgt Ion: 83 Resp: 246

Ion Ratio Lower Upper

83 100

131 192.7 5.1 15.3#

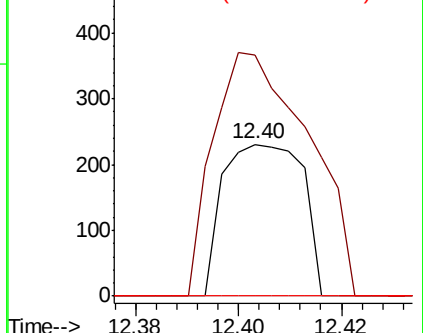
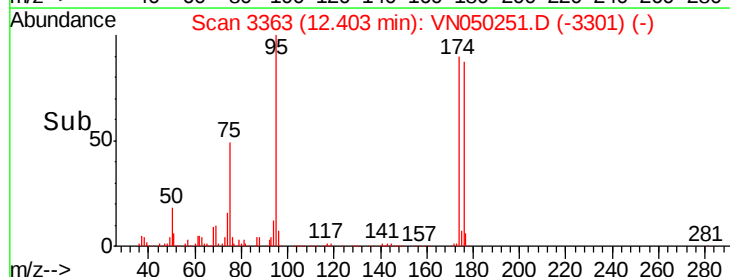
85 0.0 32.3 96.8#

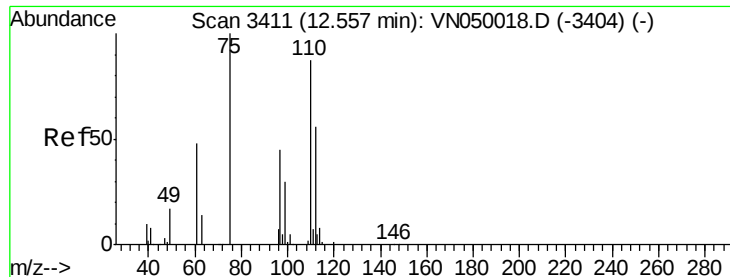


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 28.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

Instrument :

MSVOA\_N

ClientSampled :

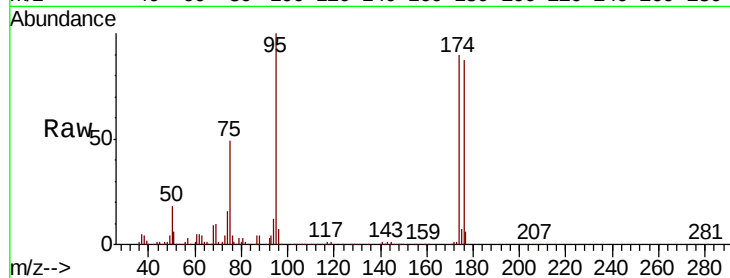
OK-03-073118

Tot Ion: 75 Resp: 202474

Ion Ratio Lower Upper

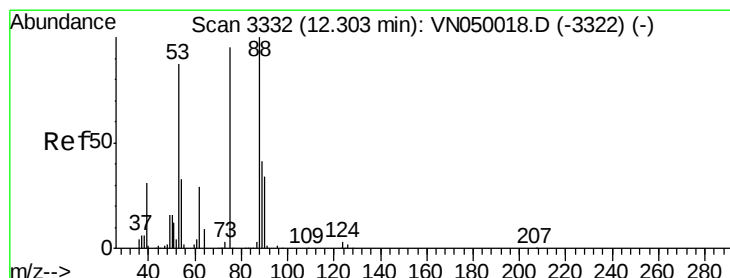
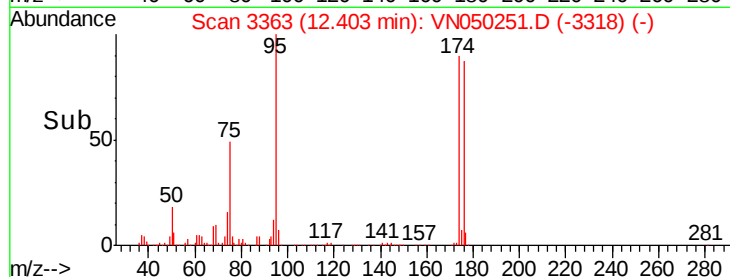
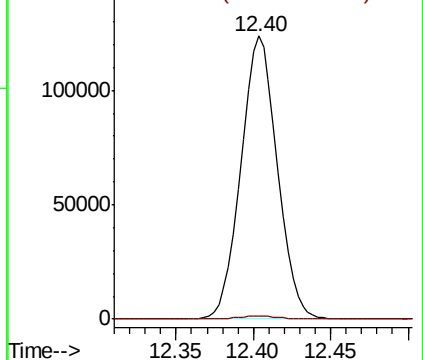
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 89.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

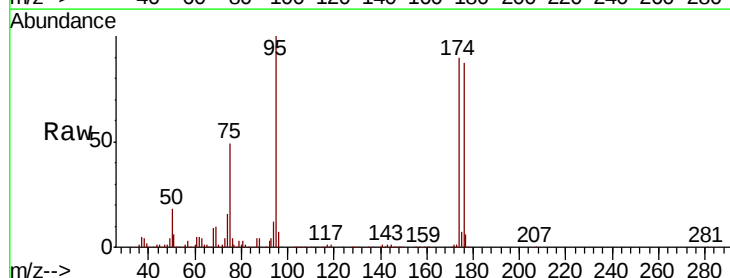
Tgt Ion: 75 Resp: 202474

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

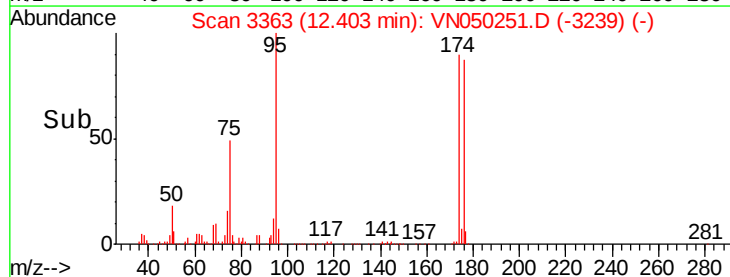
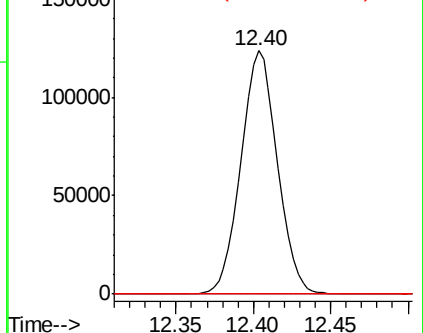
89 0.0 36.0 54.0#

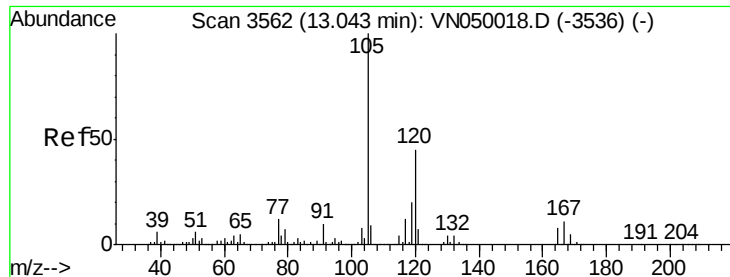


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

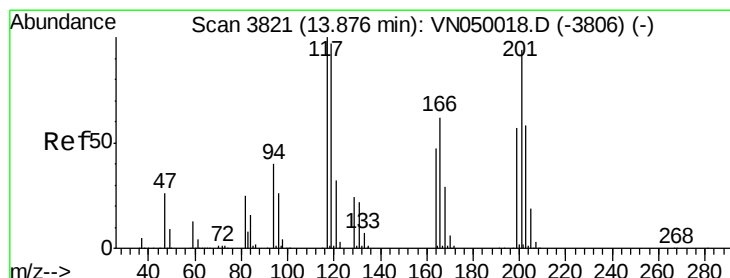
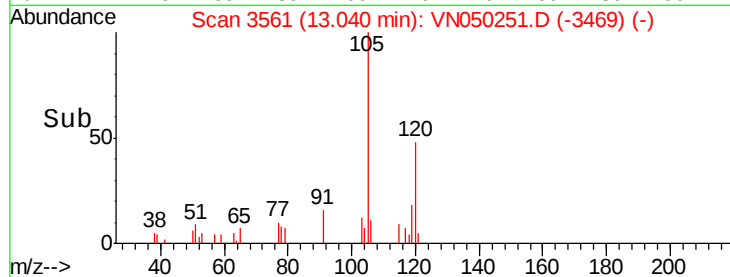
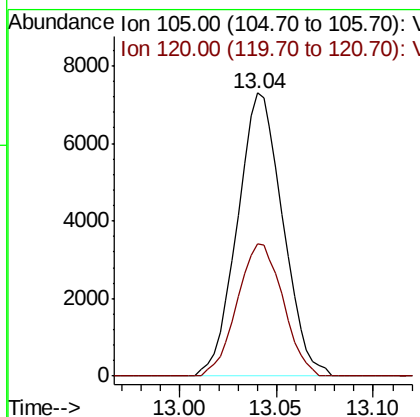
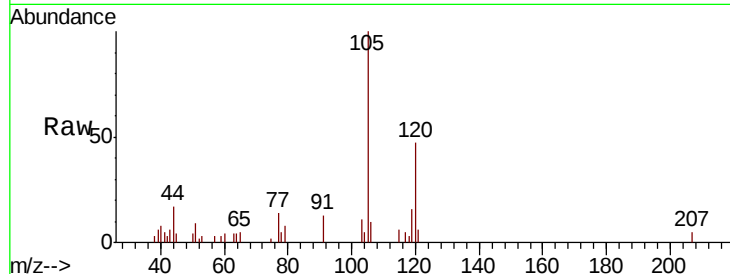




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.50 ug/l  
 RT: 13.04 min Scan# 3561  
 Delta R.T. -0.00 min  
 Lab File: VN050251.D  
 Acq: 1 Aug 2018 16:00

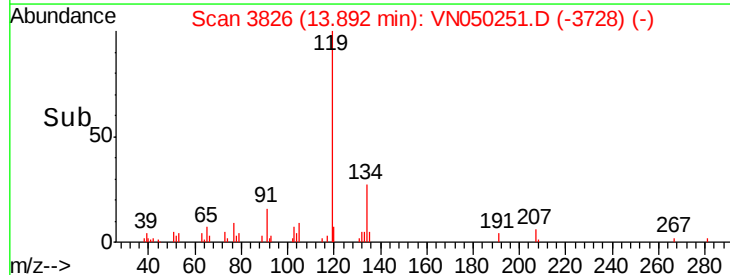
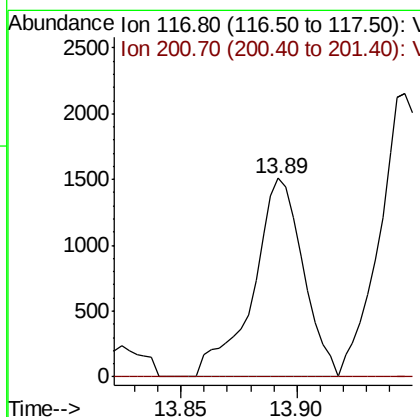
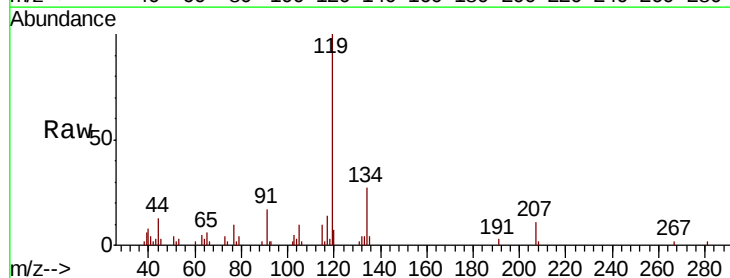
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OK-03-073118

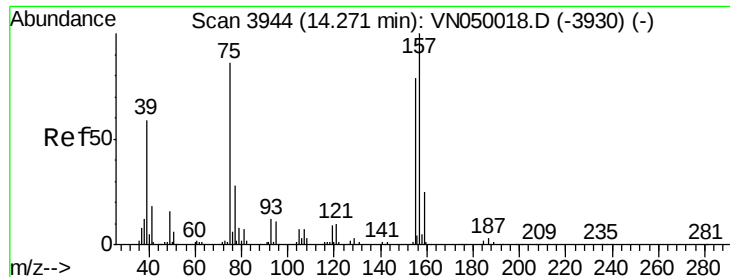
Tot Ion:105 Resp: 11925  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 22.9 68.7



#90  
 Hexachloroethane  
 Concen: 0.44 ug/l  
 RT: 13.89 min Scan# 3826  
 Delta R.T. 0.02 min  
 Lab File: VN050251.D  
 Acq: 1 Aug 2018 16:00

Tgt Ion:117 Resp: 2267  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 45.6 136.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

Instrument :

MSVOA\_N

ClientSampleId :

OK-03-073118

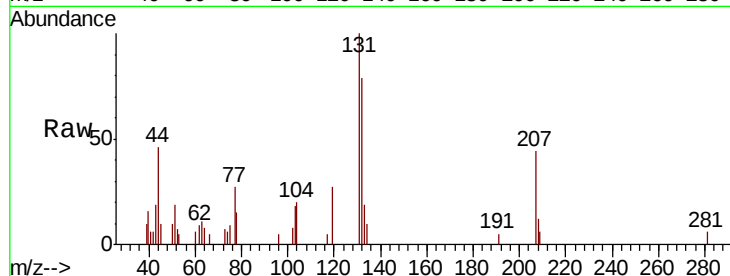
Tot Ion: 75 Resp: 251

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

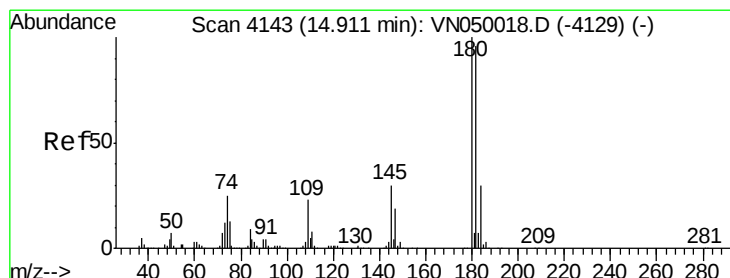
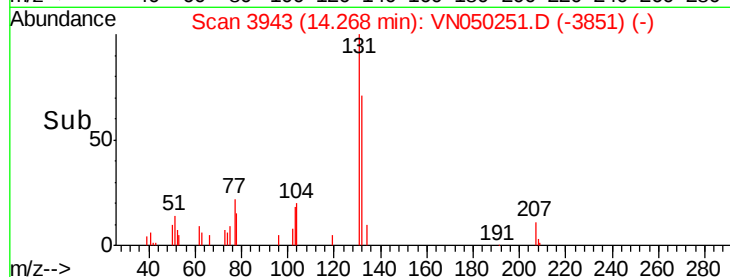
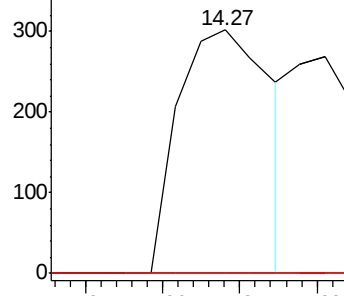
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050018.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN050018.D (-3930) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.18 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050251.D

Acq: 1 Aug 2018 16:00

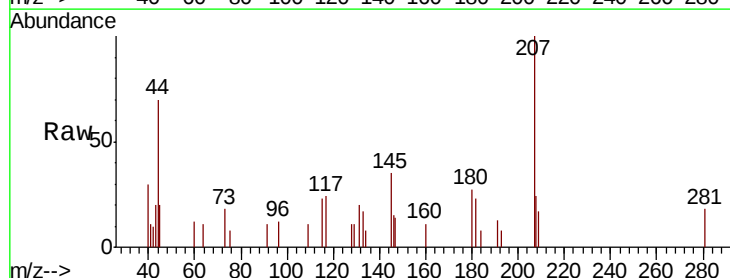
Tgt Ion: 180 Resp: 761

Ion Ratio Lower Upper

180 100

182 86.5 46.7 140.1

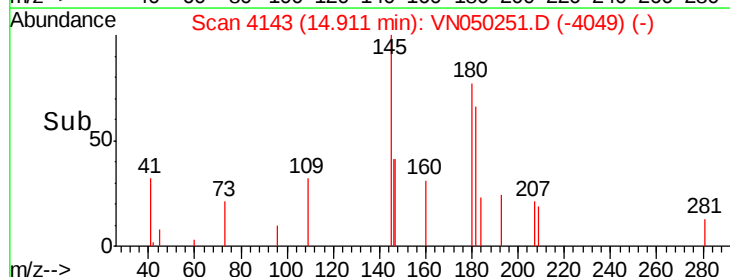
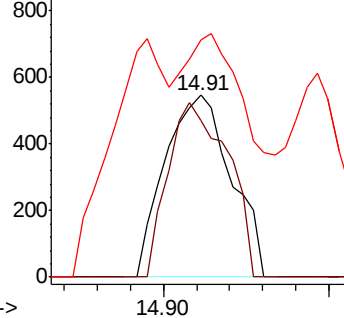
145 112.1 13.8 41.4#

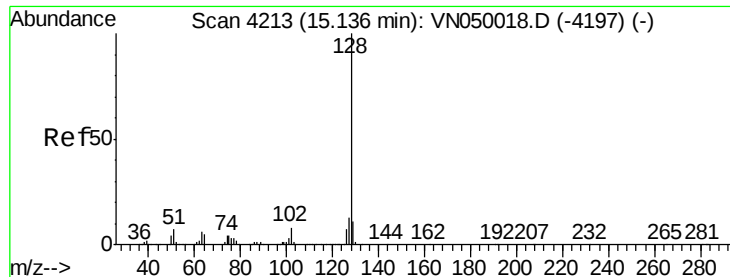


Abundance Ion 179.80 (179.50 to 180.50): VN050018.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN050018.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN050018.D (-4129) (-)

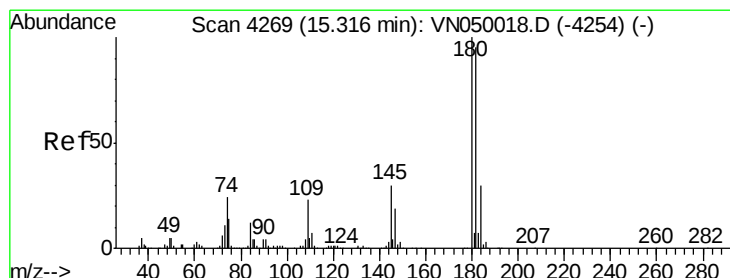
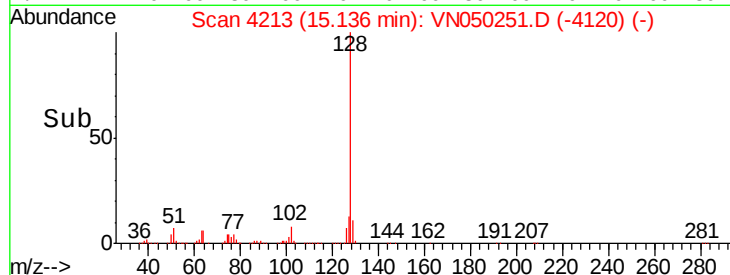
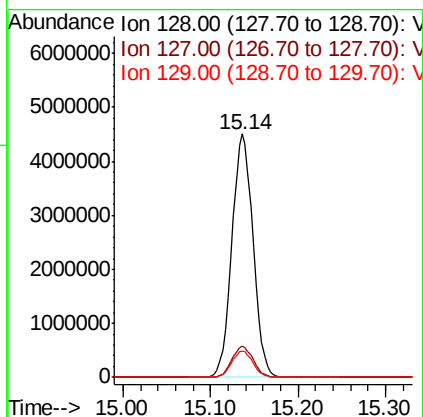
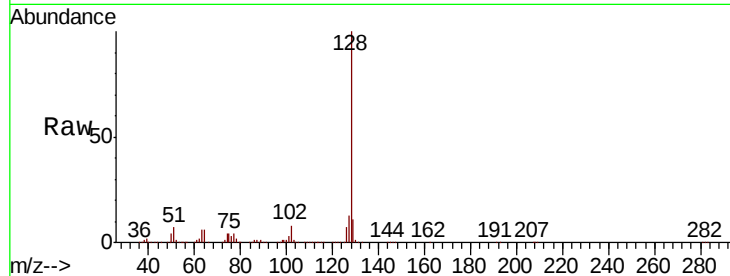




#95  
Naphthalene  
Concen: 392.70 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
OK-03-073118

Tot Ion:128 Resp: 7534643  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.4 15.6  
129 10.9 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 2.21 ug/l  
RT: 15.32 min Scan# 4269  
Delta R.T. -0.00 min  
Lab File: VN050251.D  
Acq: 1 Aug 2018 16:00

Tgt Ion:180 Resp: 66  
Ion Ratio Lower Upper  
180 100  
182 0.0 48.1 144.4#  
145 0.0 15.3 45.9#

