

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\  
 Data File : VN056878.D  
 Acq On : 23 Jul 2019 15:01  
 Operator : JC/SP  
 Sample : K3622-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-071919-B

Quant Time: Jul 24 01:15:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072219W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 23 01:46:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 237222   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 446698   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 500570   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 168097   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 142792   | 56.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 112.86% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 136494   | 48.21 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.42%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 575296   | 53.11 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.22% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 210138   | 59.28 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 118.56% |      |

## Target Compounds

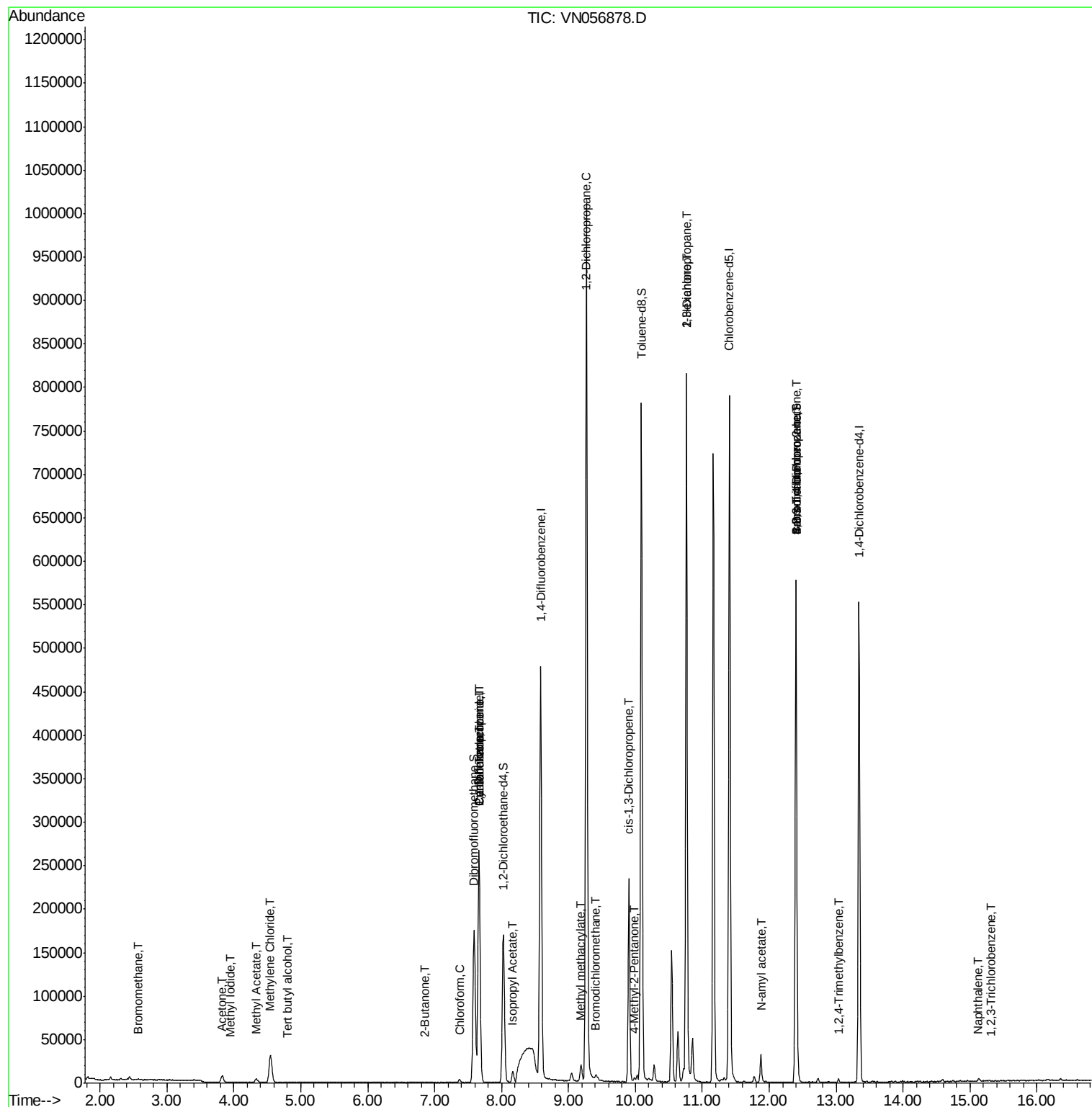
|                                |       |     |        |           |        | Qvalue |
|--------------------------------|-------|-----|--------|-----------|--------|--------|
| 5) Bromomethane                | 2.57  | 94  | 644    | 0.348     | ug/l   | 99     |
| 10) Methyl Iodide              | 3.94  | 142 | 264    | 0.208     | ug/l # | 44     |
| 11) Tert butyl alcohol         | 4.81  | 59  | 152    | 0.423     | ug/l # | 72     |
| 16) Acetone                    | 3.82  | 43  | 13516  | 14.833    | ug/l   | 93     |
| 18) Methyl Acetate             | 4.33  | 43  | 8629   | 1.091     | ug/l # | 90     |
| 20) Methylene Chloride         | 4.55  | 84  | 24546  | 9.009     | ug/l   | 95     |
| 25) 2-Butanone                 | 6.85  | 43  | 346    | 0.258     | ug/l # | 48     |
| 30) Chloroform                 | 7.37  | 83  | 3970   | 0.893     | ug/l   | 96     |
| 31) Cyclohexane                | 7.66  | 56  | 3736   | 0.869     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 15611  | 3.790     | ug/l # | 45     |
| 38) Carbon Tetrachloride       | 7.66  | 117 | 21518  | 5.487     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.17  | 43  | 15008  | 2.628     | ug/l   | 98     |
| 45) 1,2-Dichloropropane        | 9.27  | 63  | 1287   | 0.373     | ug/l # | 43     |
| 47) Bromodichloromethane       | 9.40  | 83  | 889    | 0.222     | ug/l # | 84     |
| 48) Methyl methacrylate        | 9.18  | 41  | 7205   | 2.522     | ug/l # | 13     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 3123   | 0.917     | ug/l # | 70     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75  | 43260  | 8.935     | ug/l # | 64     |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 8256   | 1.632     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43  | 113922 | 48.327    | ug/l # | 51     |
| 71) Bromoform                  | 12.40 | 173 | 1653   | 0.608     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105 | 62     | Below Cal | #      | 48     |
| 74) N-amyl acetate             | 11.87 | 43  | 9673   | 1.960     | ug/l # | 49     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 98404  | 28.247    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.73 | 91  | 151    | Below Cal | #      | 39     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 2635   | Below Cal |        | 96     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 98404  | 90.471    | ug/l # | 13     |
| 83) tert-Butylbenzene          | 13.04 | 119 | 246    | Below Cal | #      | 28     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 2523   | 0.217     | ug/l   | 96     |
| 95) Naphthalene                | 15.13 | 128 | 3789   | 4.055     | ug/l # | 90     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180 | 137    | 2.510     | ug/l # | 12     |

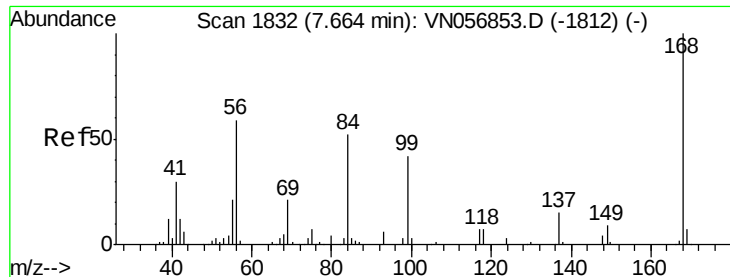
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072319\  
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Sample : K3622-12  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-071919-B

Quant Time: Jul 24 01:15:31 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072219W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 23 01:46:34 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

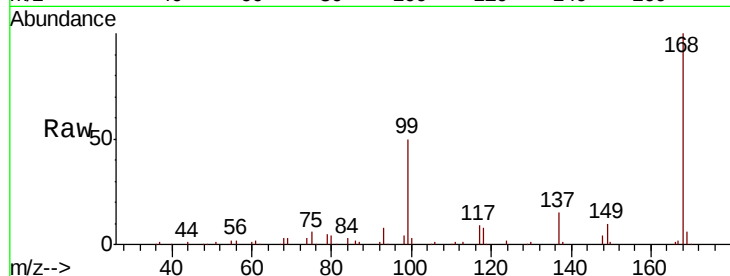
OR-02-071919-B

Tot Ion:168 Resp: 237222

Ion Ratio Lower Upper

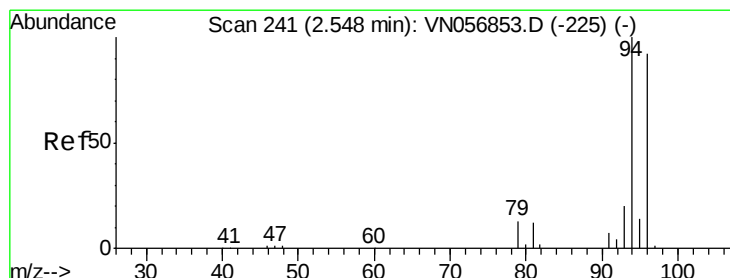
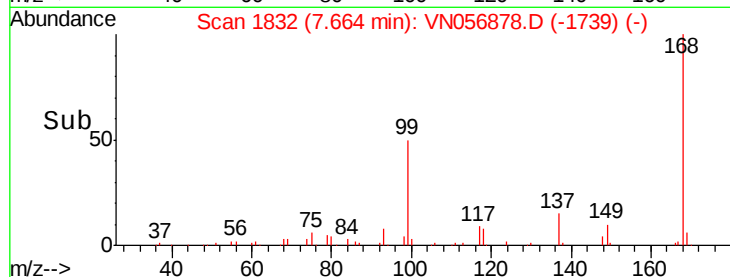
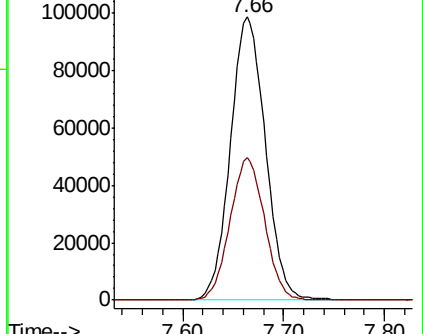
168 100

99 50.3 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: 0.348 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.03 min

Lab File: VN056878.D

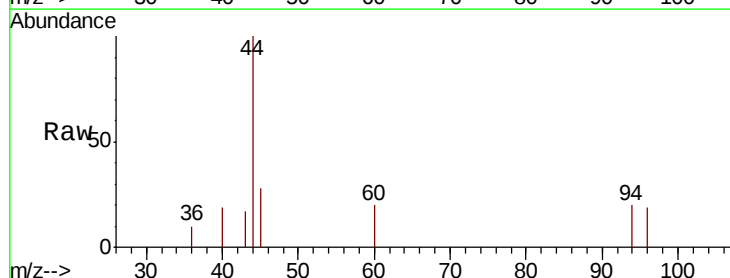
Acq: 23 Jul 2019 15:01

Tgt Ion: 94 Resp: 644

Ion Ratio Lower Upper

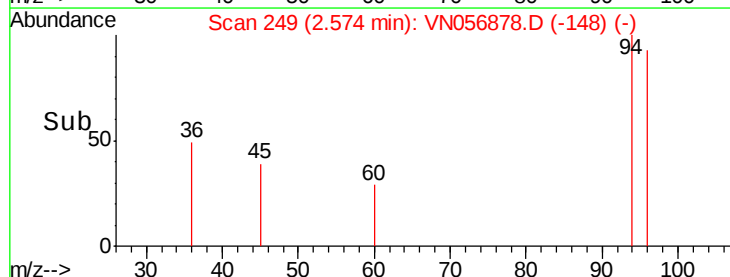
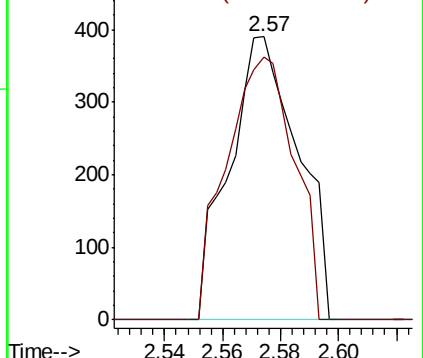
94 100

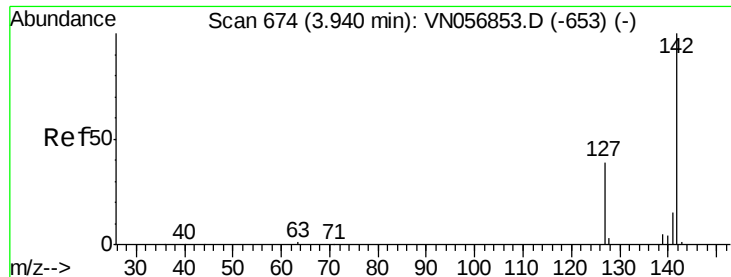
96 92.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

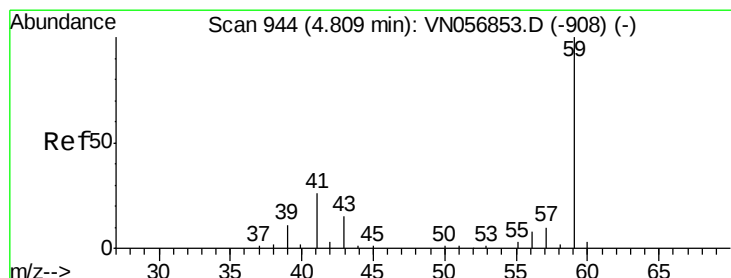
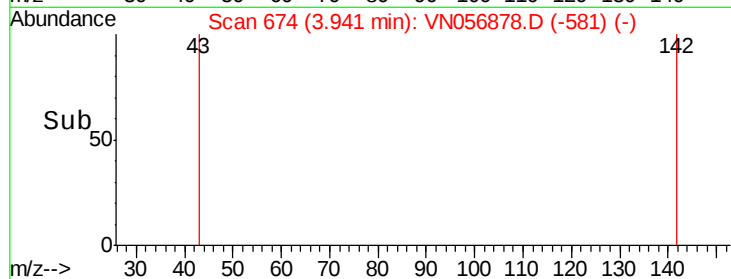
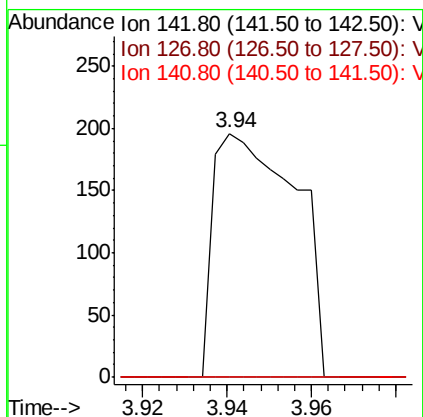
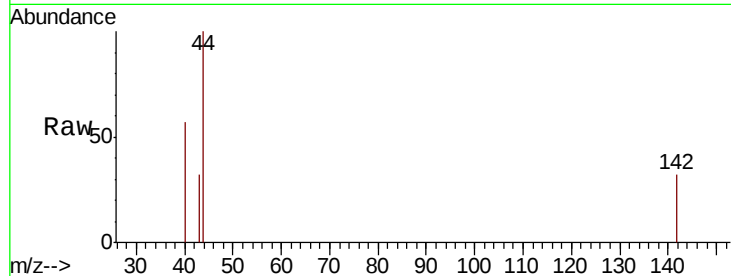




#10  
Methvl Iodide  
Concen: 0.208 ug/l  
RT: 3.94 min Scan# 674  
Delta R.T. 0.00 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

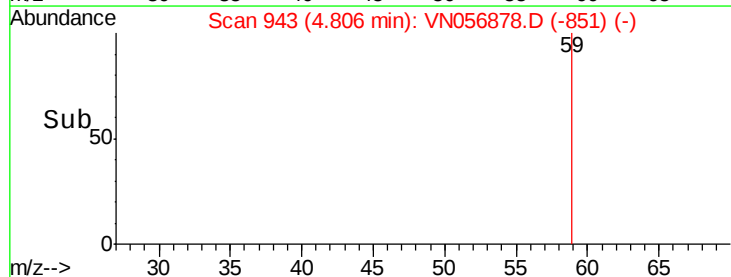
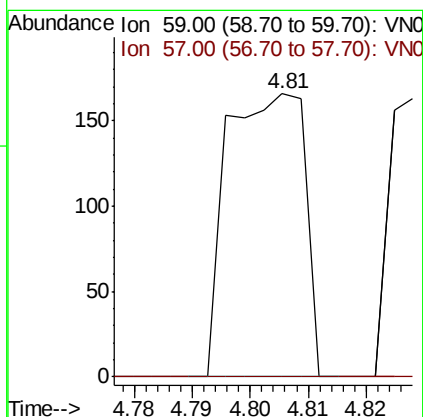
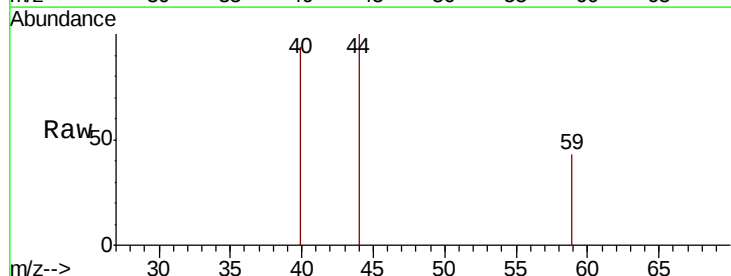
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-071919-B

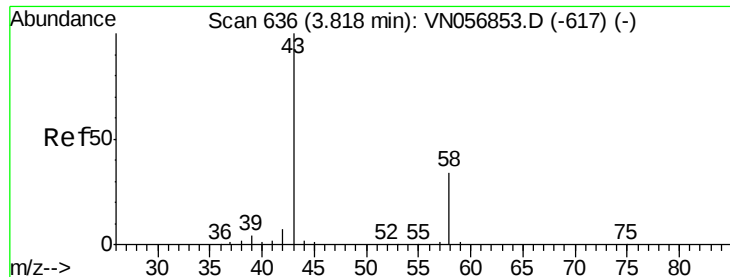
Tot Ion:142 Resp: 264  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.2 46.8#  
141 0.0 11.4 17.2#



#11  
Tert butyl alcohol  
Concen: 0.423 ug/l  
RT: 4.81 min Scan# 943  
Delta R.T. -0.00 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Tgt Ion: 59 Resp: 152  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#





#16

Acetone

Concen: 14.833 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

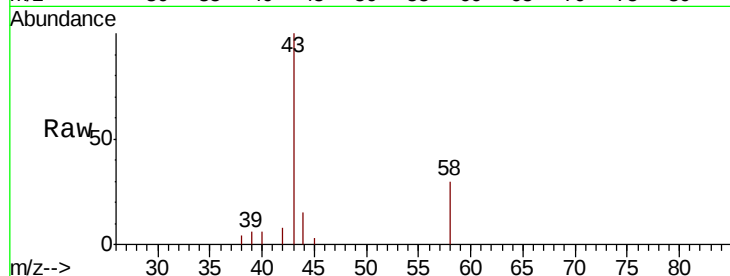
OR-02-071919-B

Tot Ion: 43 Resp: 13516

Ion Ratio Lower Upper

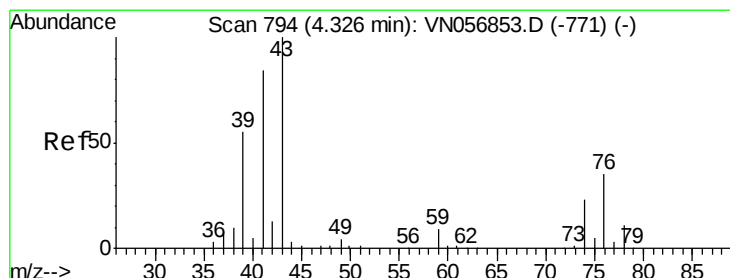
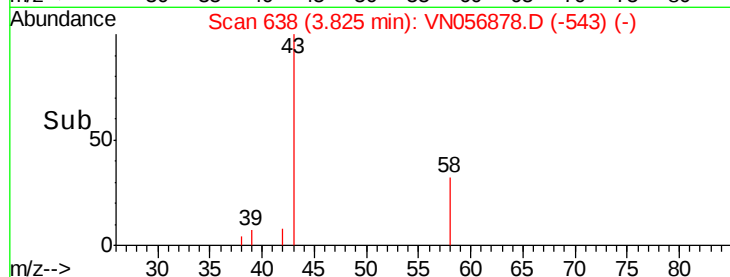
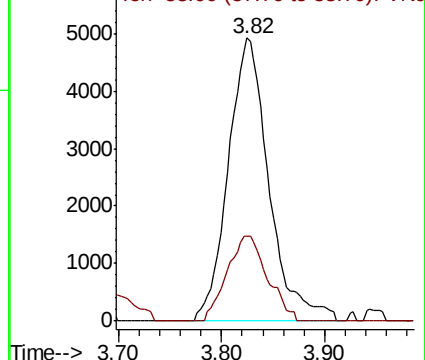
43 100

58 30.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.091 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056878.D

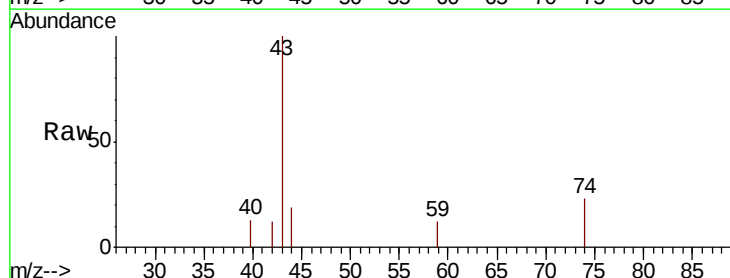
Acq: 23 Jul 2019 15:01

Tgt Ion: 43 Resp: 8629

Ion Ratio Lower Upper

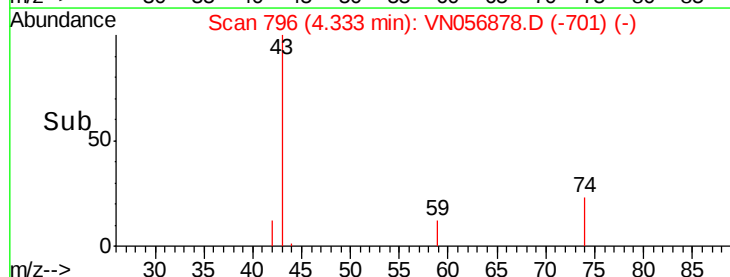
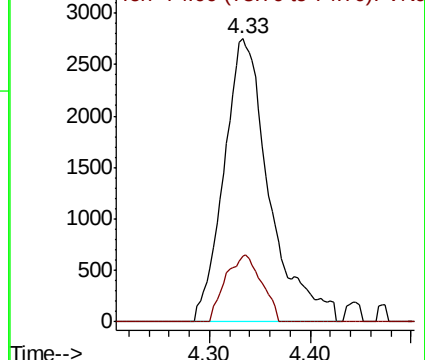
43 100

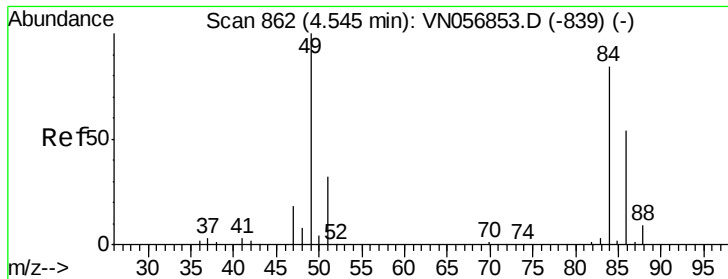
74 18.8 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

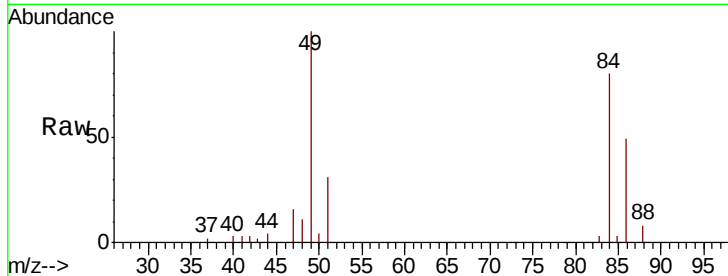




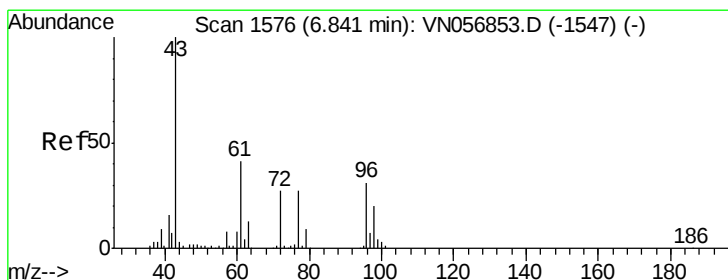
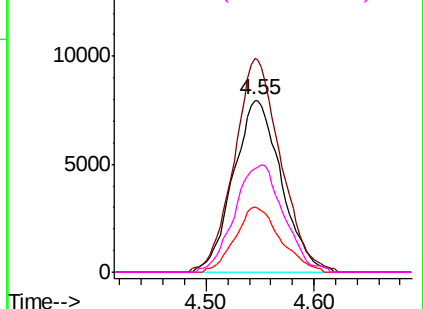
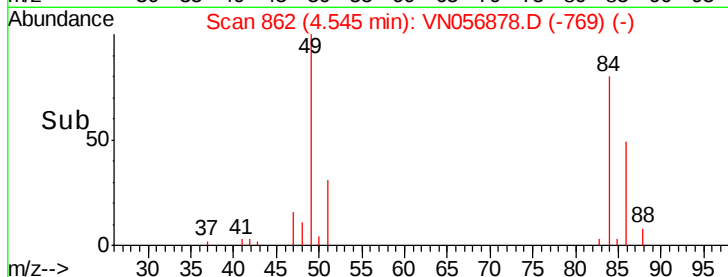
#20  
Methvlene Chloride  
Concen: 9.009 ug/l  
RT: 4.55 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Instrument :  
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ClientSampleId :  
OR-02-071919-B

Tot Ion: 84 Resp: 24546  
Ion Ratio Lower Upper  
84 100  
49 124.4 94.9 142.3  
51 38.4 29.9 44.9  
86 60.6 51.4 77.2

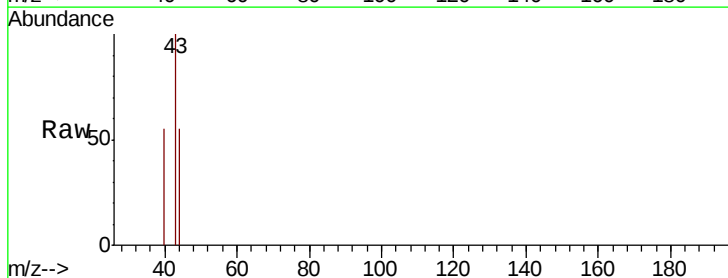


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

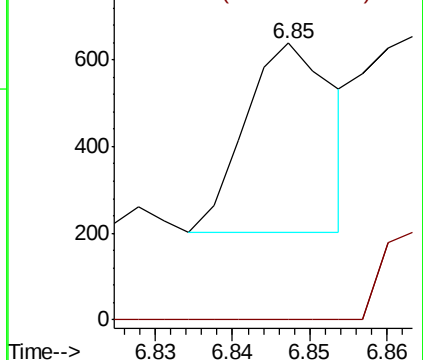
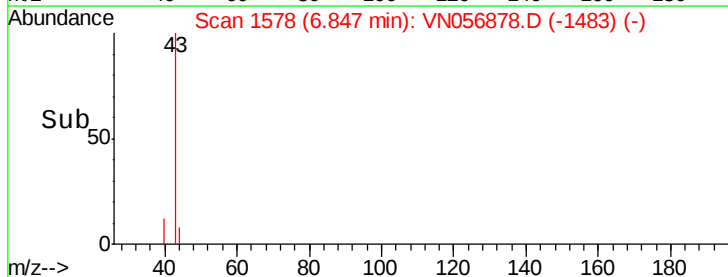


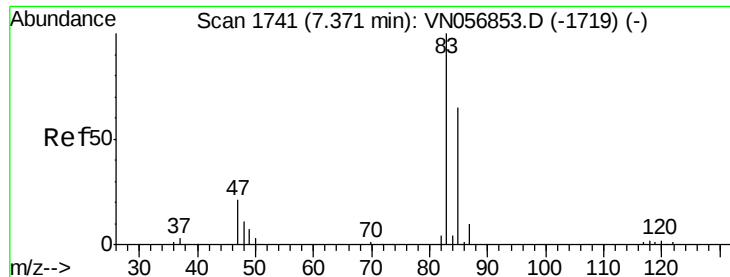
#25  
2-Butanone  
Concen: 0.258 ug/l  
RT: 6.85 min Scan# 1578  
Delta R.T. 0.01 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Tgt Ion: 43 Resp: 346  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0

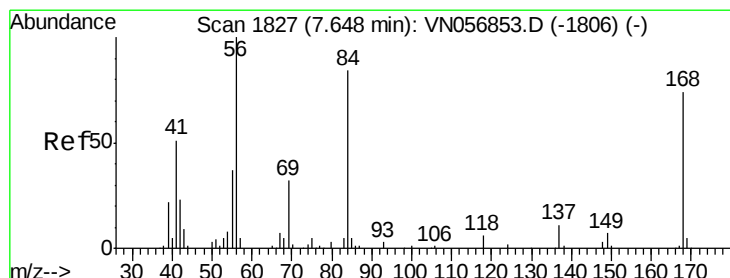
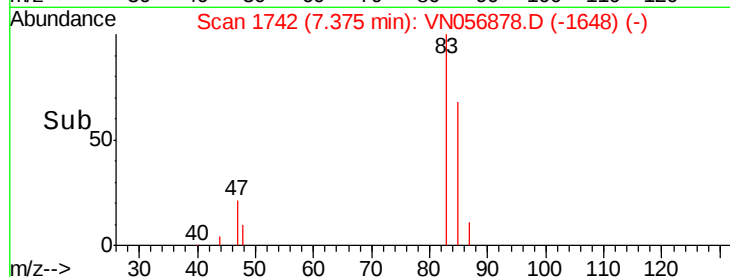
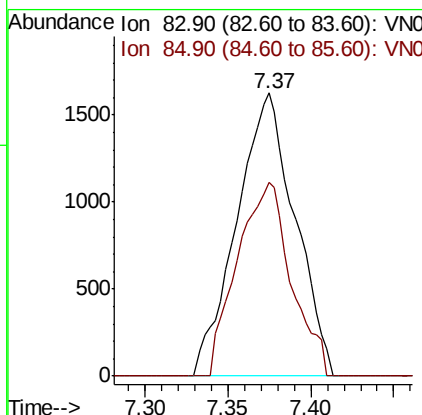
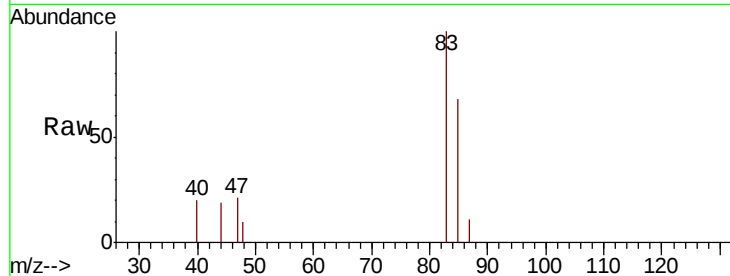




#30  
Chloroform  
Concen: 0.893 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

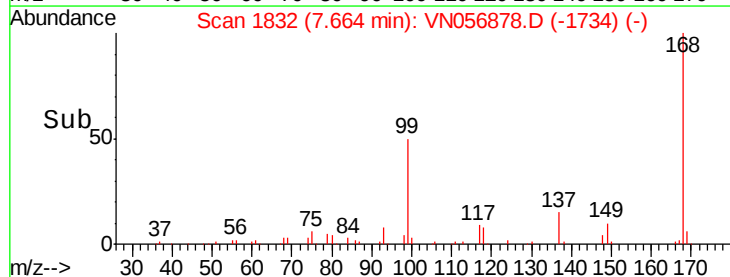
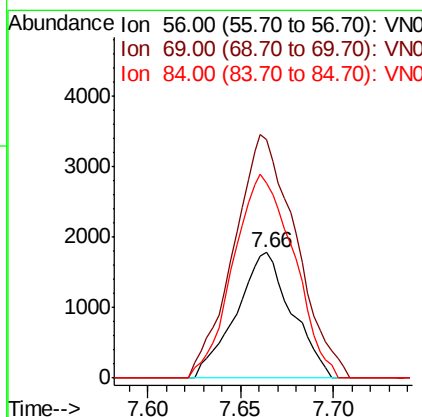
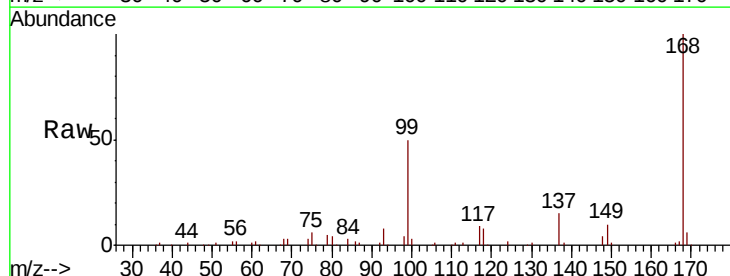
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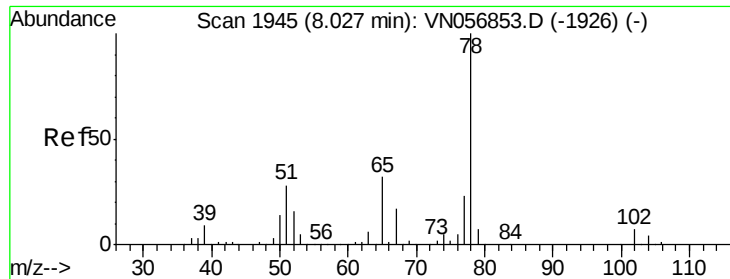
Tot Ion: 83 Resp: 3970  
Ion Ratio Lower Upper  
83 100  
85 68.3 52.3 78.5



#31  
Cyclohexane  
Concen: 0.869 ug/l  
RT: 7.66 min Scan# 1832  
Delta R.T. 0.02 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Tgt Ion: 56 Resp: 3736  
Ion Ratio Lower Upper  
56 100  
69 189.4 25.5 38.3#  
84 154.9 67.3 100.9#

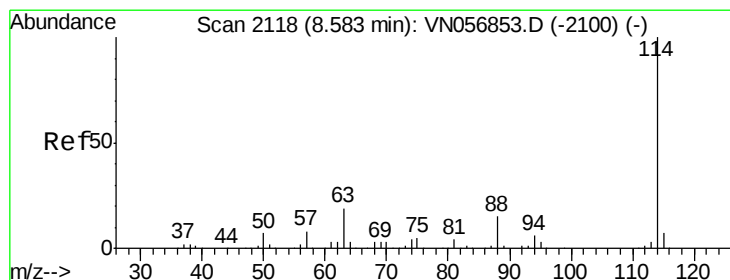
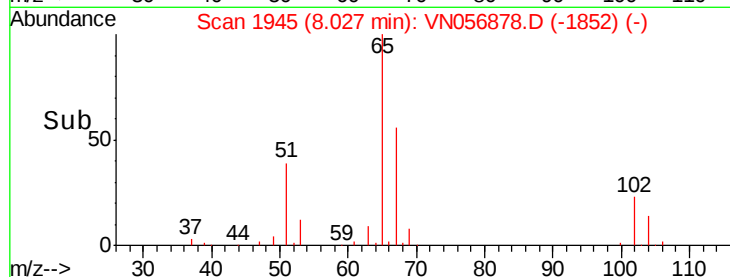
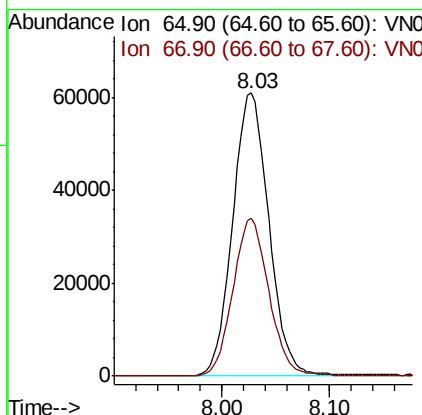
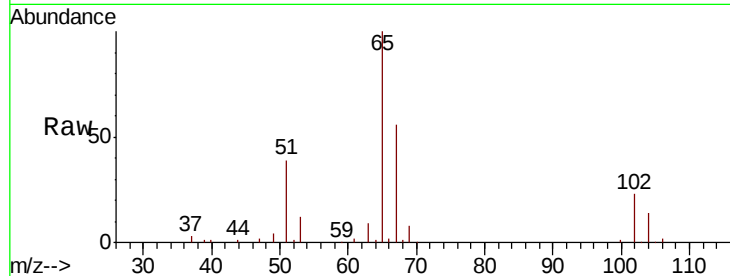




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.432 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

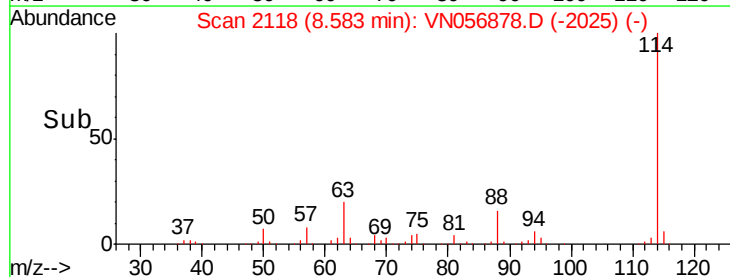
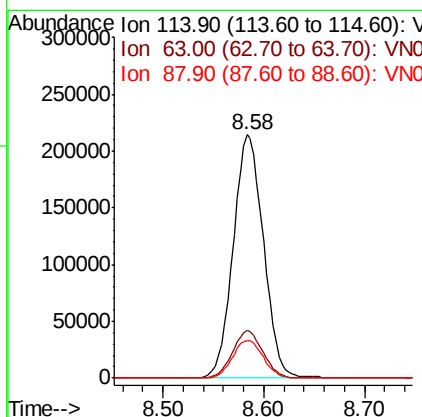
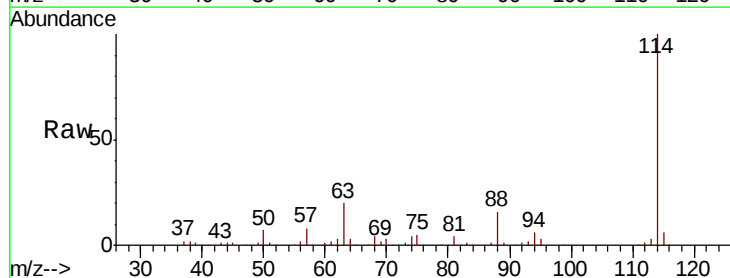
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-071919-B

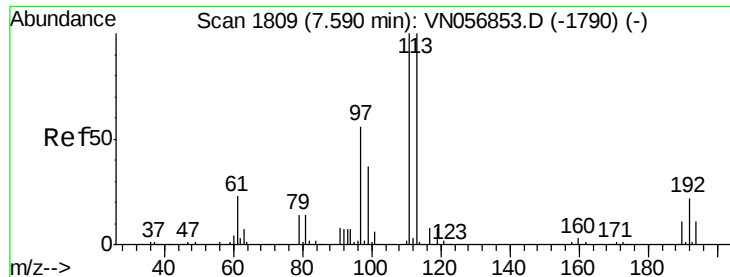
Tot Ion: 65 Resp: 142792  
 Ion Ratio Lower Upper  
 65 100  
 67 55.4 0.0 108.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

Tgt Ion: 114 Resp: 446698  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 37.8  
 88 15.6 0.0 31.0

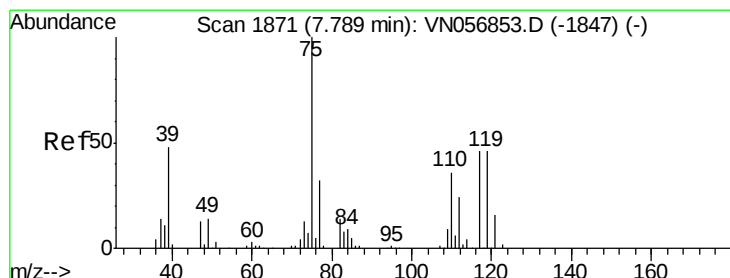
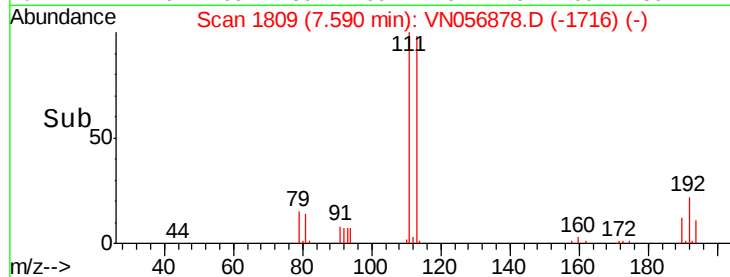
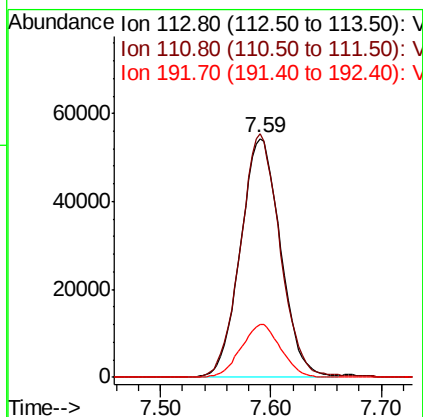
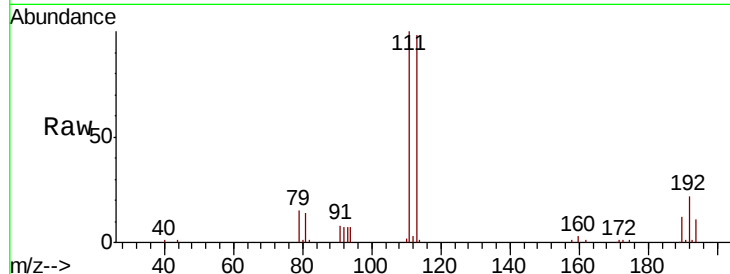




#35  
 Dibromofluoromethane  
 Concen: 48.208 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

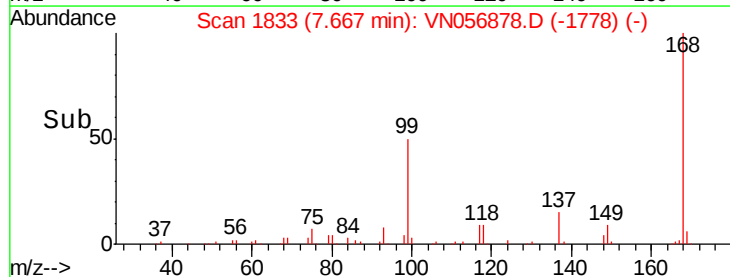
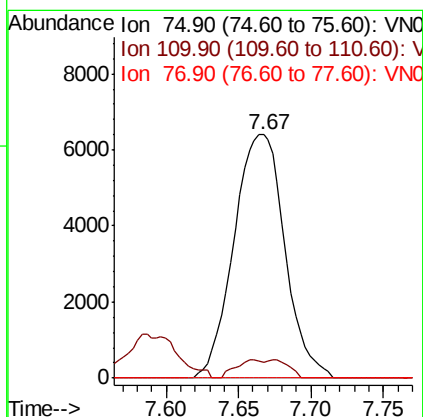
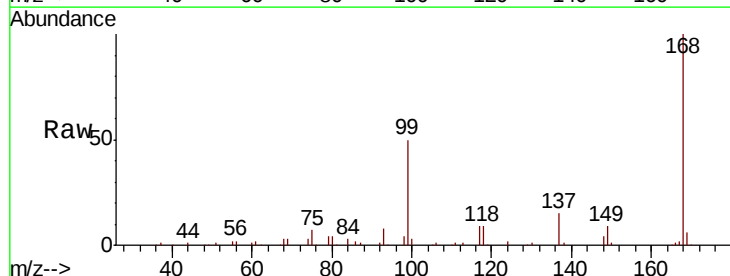
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-071919-B

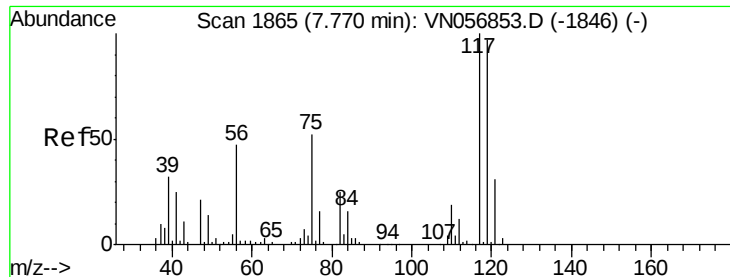
Tot Ion:113 Resp: 136494  
 Ion Ratio Lower Upper  
 113 100  
 111 100.7 81.9 122.9  
 192 22.0 18.5 27.7



#36  
 1,1-Dichloropropene  
 Concen: 3.790 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.12 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

Tgt Ion: 75 Resp: 15611  
 Ion Ratio Lower Upper  
 75 100  
 110 4.0 17.9 53.7#  
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.487 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-071919-B

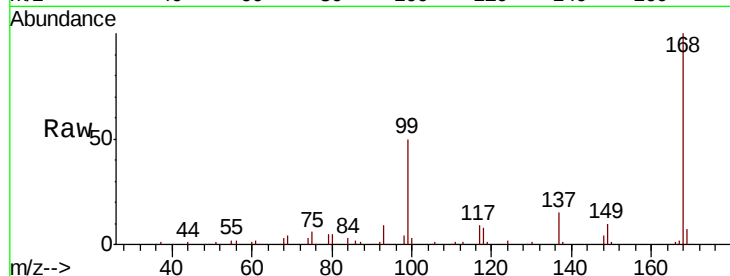
Tot Ion:117 Resp: 21518

Ion Ratio Lower Upper

117 100

119 5.5 77.2 115.8#

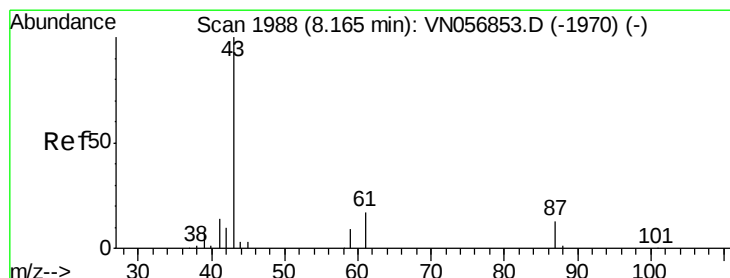
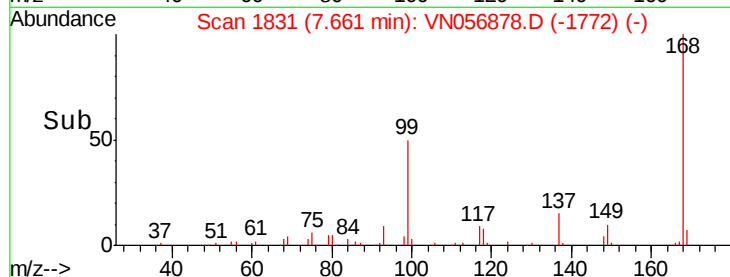
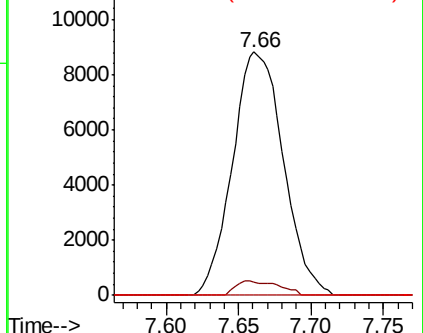
121 0.0 24.5 36.7#



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



#43

Isopropyl Acetate

Concen: 2.628 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

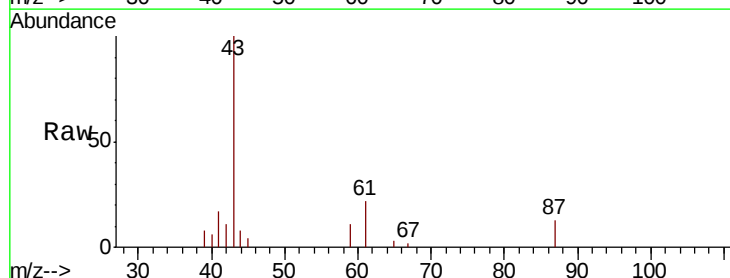
Tgt Ion: 43 Resp: 15008

Ion Ratio Lower Upper

43 100

61 21.1 17.8 26.6

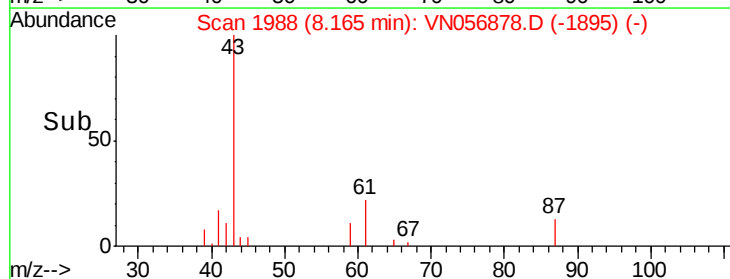
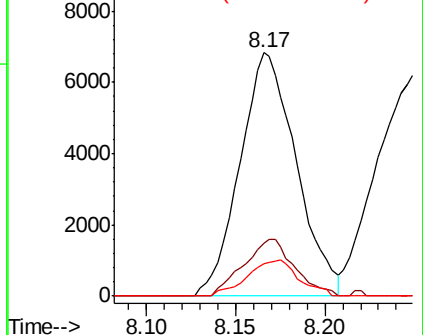
87 13.5 11.0 16.4

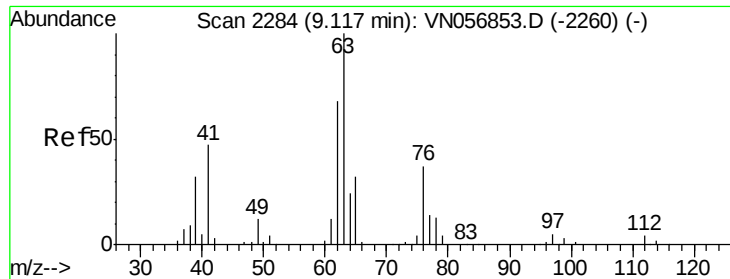


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

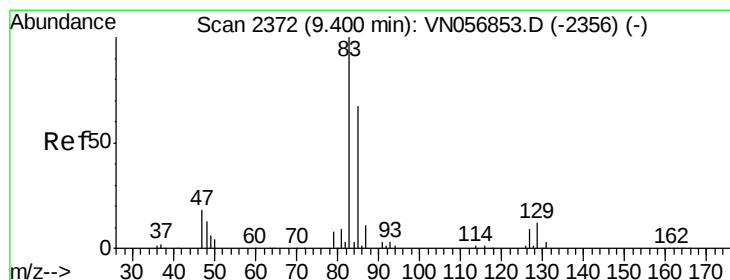
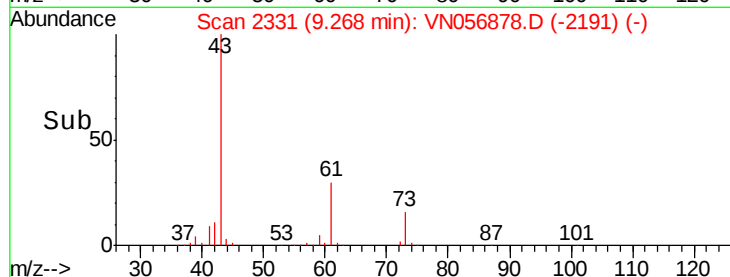
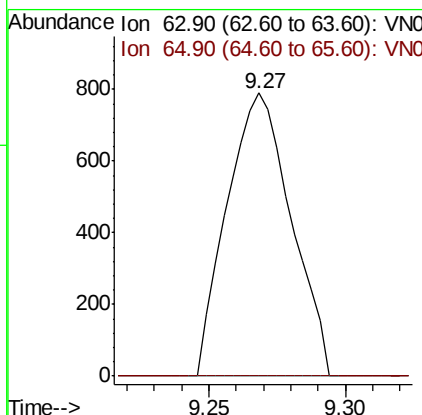
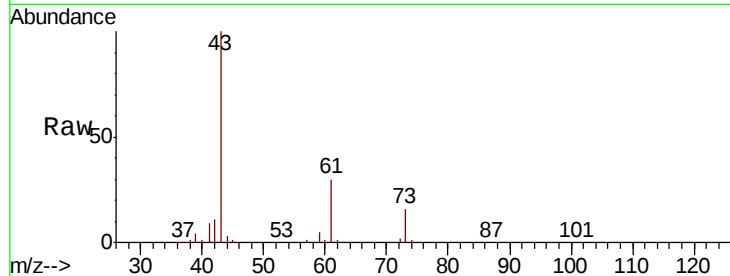




#45  
 1,2-Dichloropropane  
 Concen: 0.373 ug/l  
 RT: 9.27 min Scan# 2331  
 Delta R.T. 0.15 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

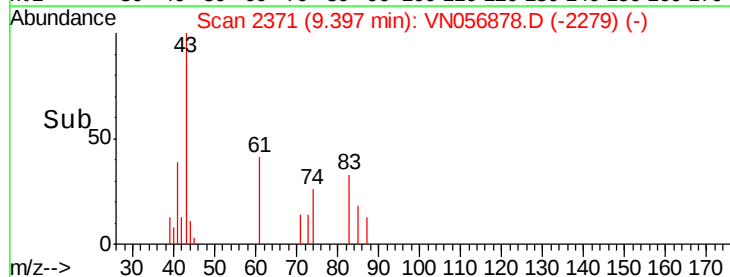
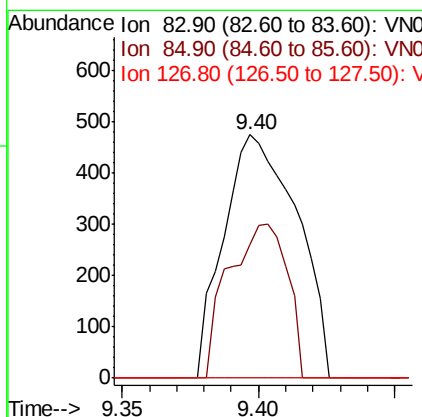
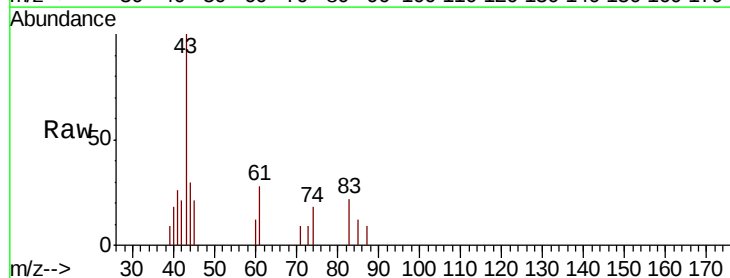
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-071919-B

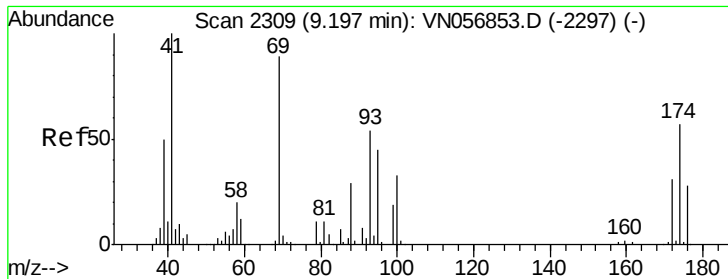
Tot Ion: 63 Resp: 1287  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 25.4 38.0#



#47  
 Bromodichloromethane  
 Concen: 0.222 ug/l  
 RT: 9.40 min Scan# 2371  
 Delta R.T. -0.00 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

Tgt Ion: 83 Resp: 889  
 Ion Ratio Lower Upper  
 83 100  
 85 55.0 53.4 80.2  
 127 0.0 7.2 10.8#

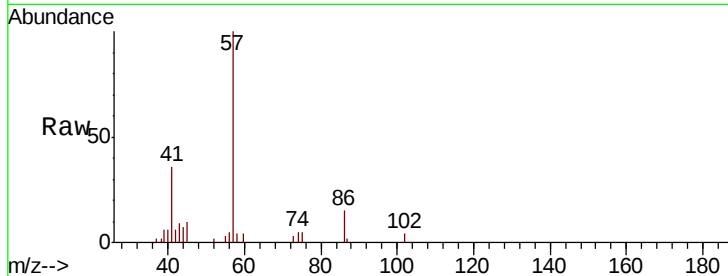




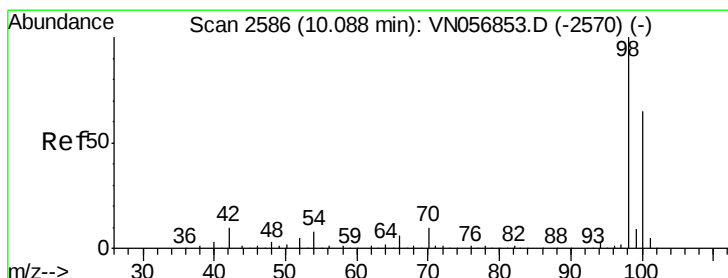
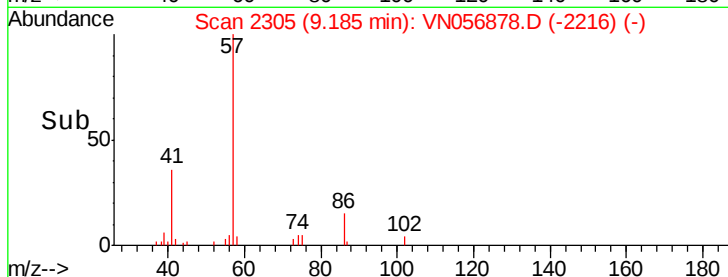
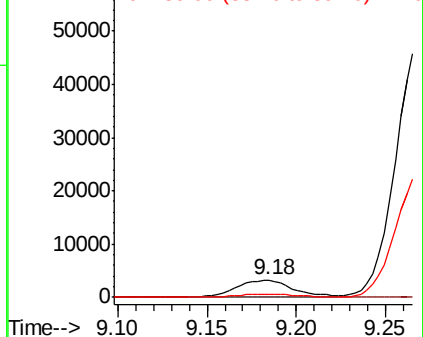
#48  
Methvl methacrylate  
Concen: 2.522 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.01 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-071919-B

Tot Ion: 41 Resp: 7205  
Ion Ratio Lower Upper  
41 100  
69 0.0 71.1 106.7#  
39 0.0 40.6 60.8#

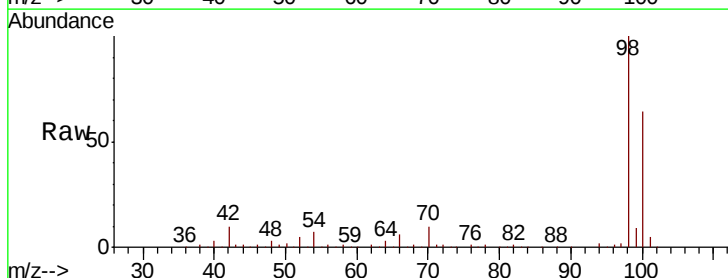


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

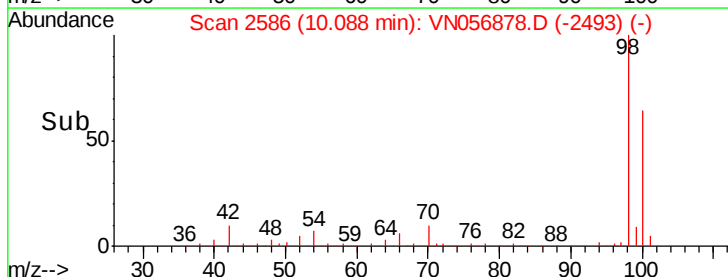
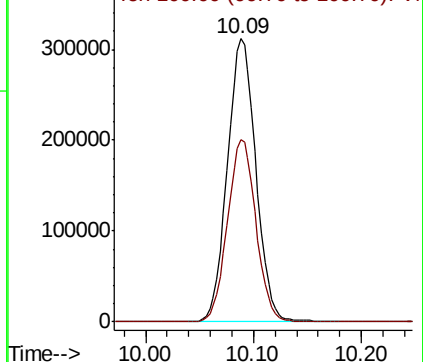


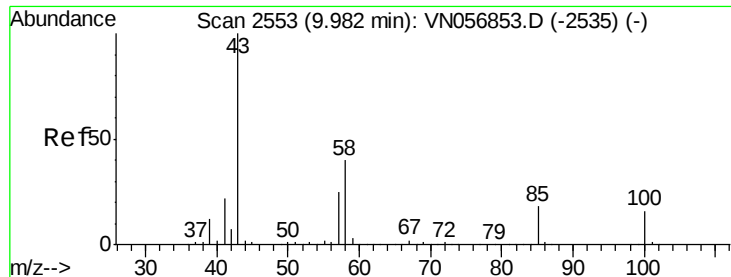
#50  
Toluene-d8  
Concen: 53.111 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. 0.00 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Tgt Ion: 98 Resp: 575296  
Ion Ratio Lower Upper  
98 100  
100 64.1 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: 0.917 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

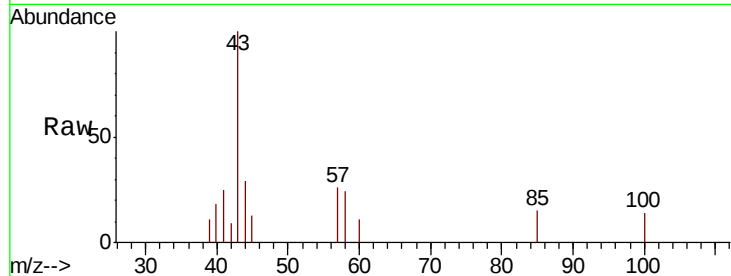
OR-02-071919-B

Tot Ion: 43 Resp: 3123

Ion Ratio Lower Upper

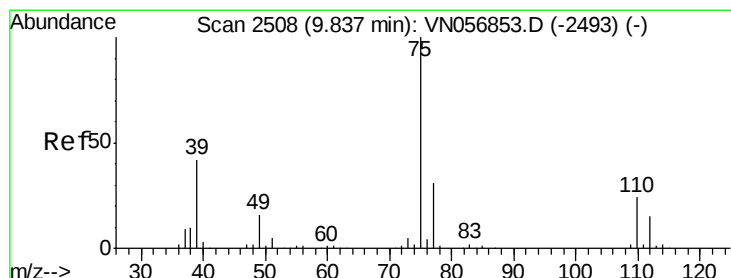
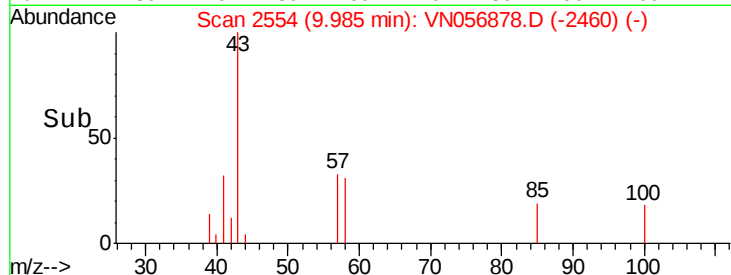
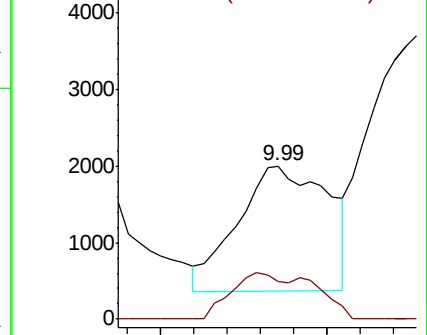
43 100

58 22.1 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 8.935 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

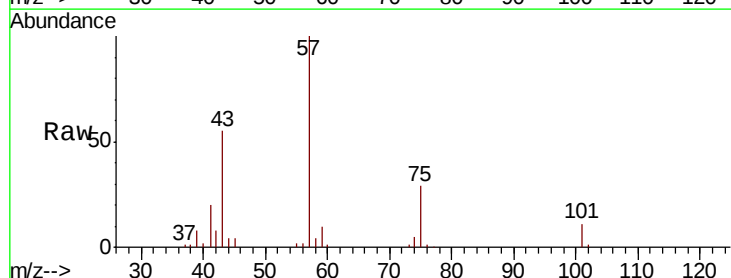
Tgt Ion: 75 Resp: 43260

Ion Ratio Lower Upper

75 100

77 0.7 25.1 37.7#

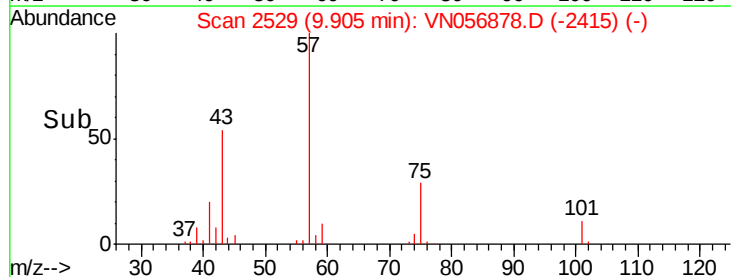
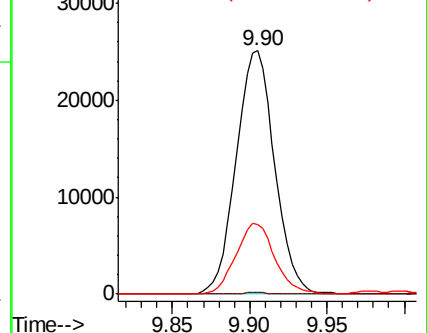
39 28.8 33.4 50.2#

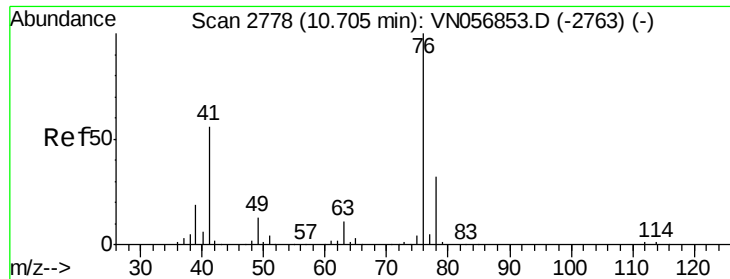


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.632 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

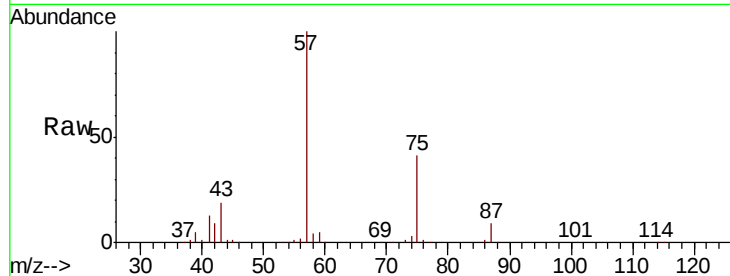
OR-02-071919-B

Tot Ion: 76 Resp: 8256

Ion Ratio Lower Upper

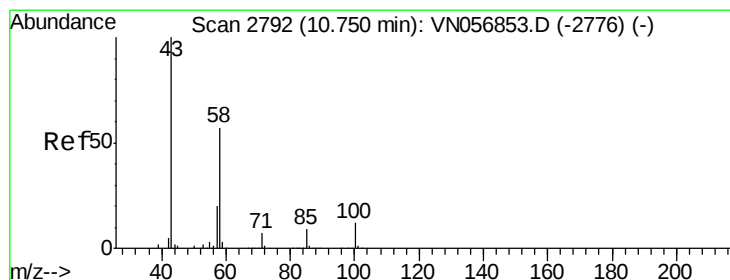
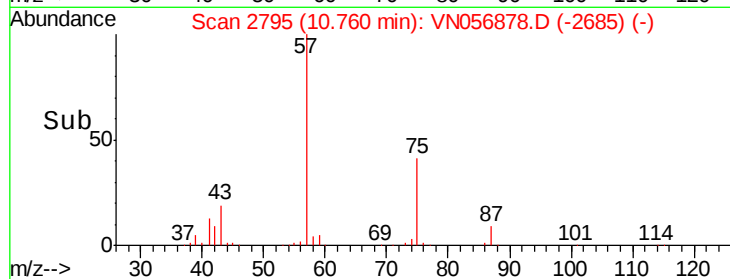
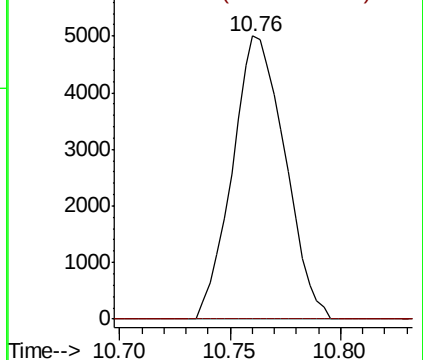
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 48.327 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN056878.D

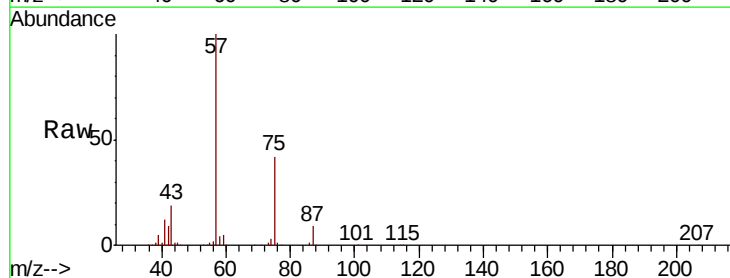
Acq: 23 Jul 2019 15:01

Tgt Ion: 43 Resp: 113922

Ion Ratio Lower Upper

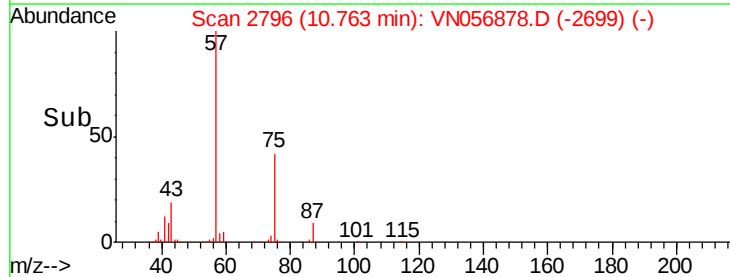
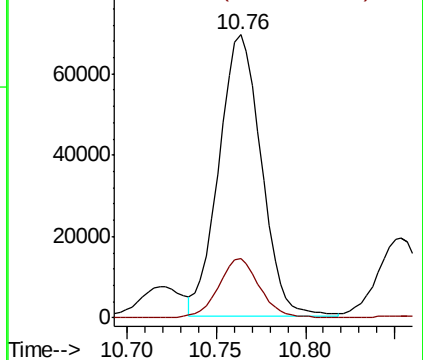
43 100

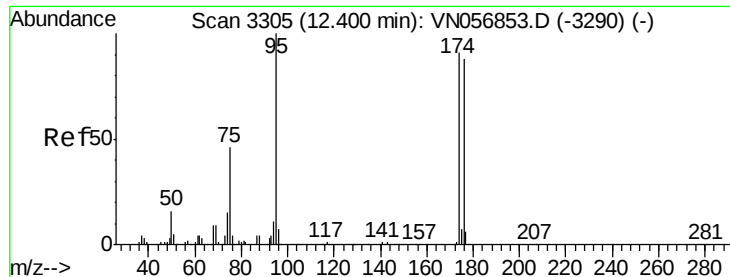
58 20.4 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 59.280 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-071919-B

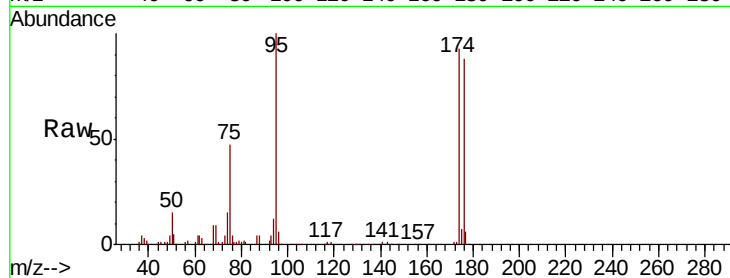
Tot Ion: 95 Resp: 210138

Ion Ratio Lower Upper

95 100

174 91.8 0.0 183.4

176 88.6 0.0 175.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40

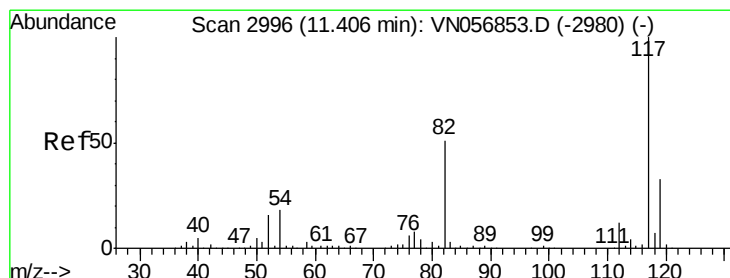
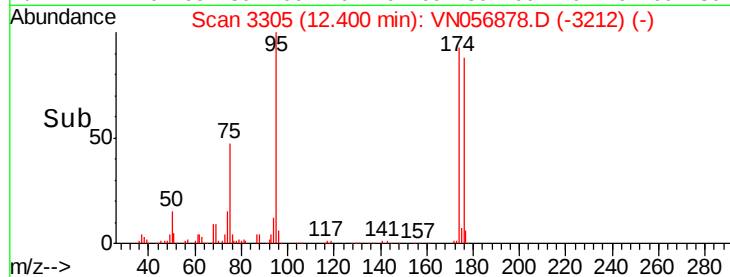
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

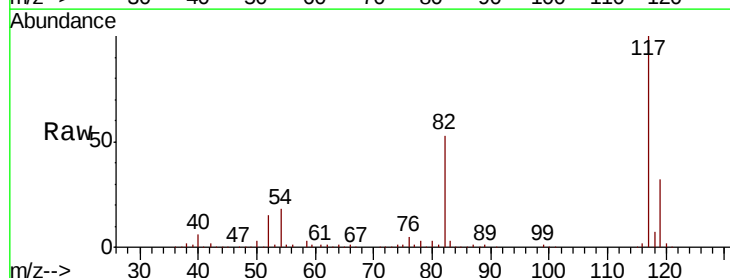
Tgt Ion: 117 Resp: 500570

Ion Ratio Lower Upper

117 100

82 52.9 41.2 61.8

119 32.0 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

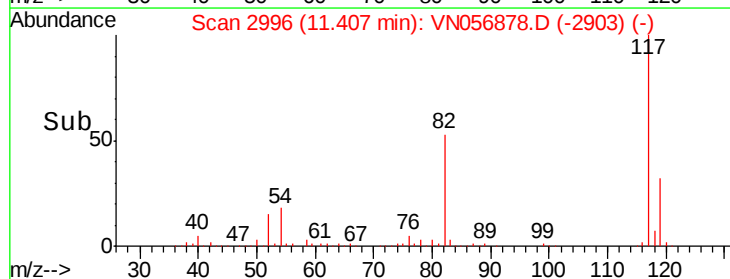
300000

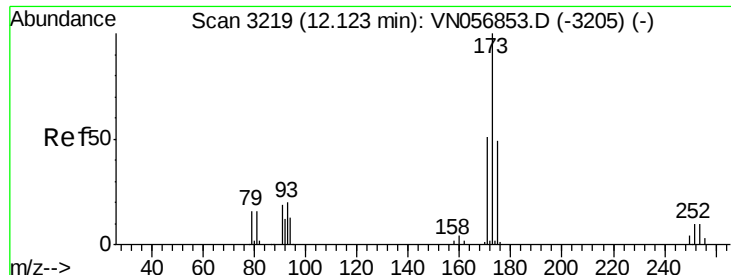
200000

100000

0

Time--> 11.30 11.40 11.50

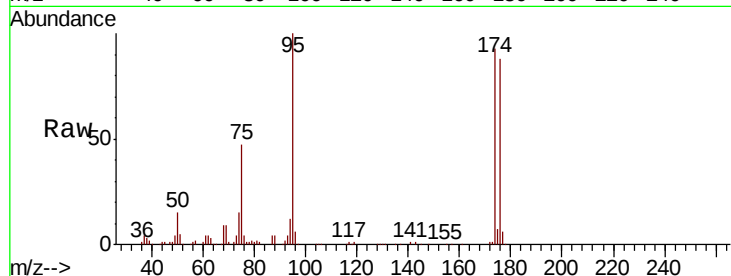




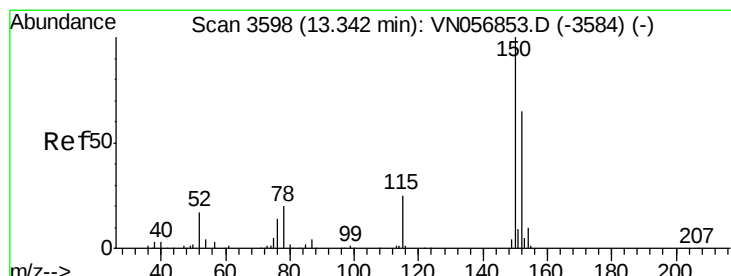
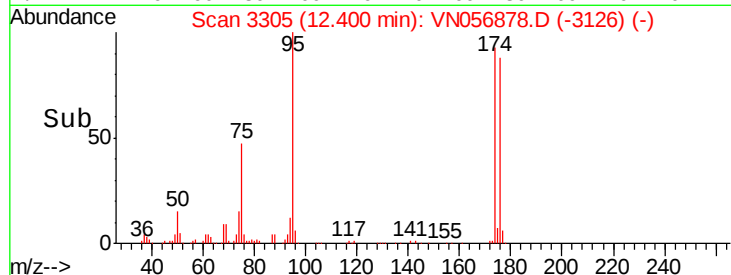
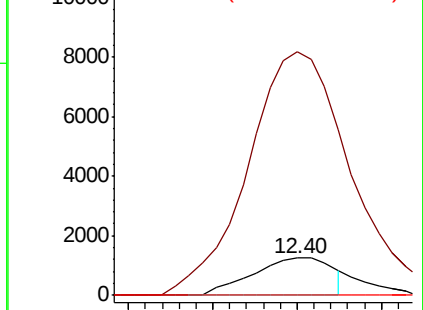
#71  
Bromoform  
Concen: 0.608 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.28 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-071919-B

Tot Ion:173 Resp: 1653  
Ion Ratio Lower Upper  
173 100  
175 684.3 24.1 72.3#  
254 0.0 0.0 0.0

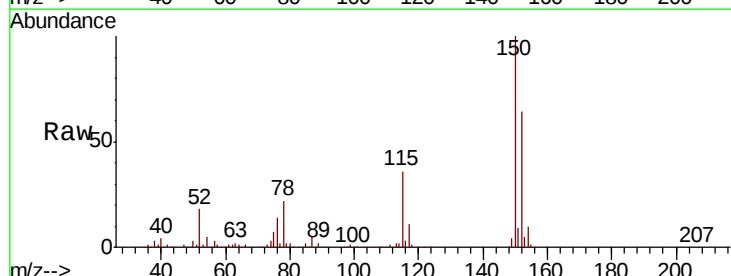


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

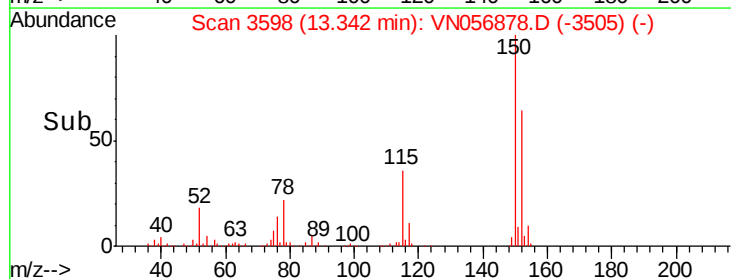
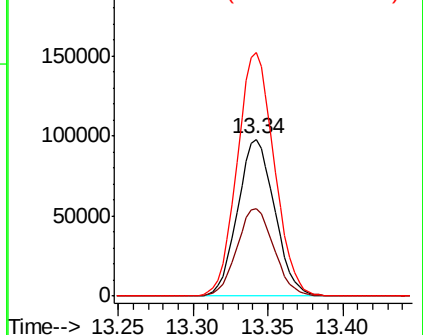


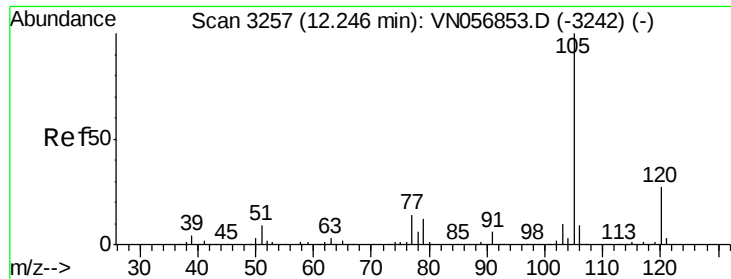
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Tgt Ion:152 Resp: 168097  
Ion Ratio Lower Upper  
152 100  
115 56.1 27.6 82.7  
150 156.4 0.0 343.0



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: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

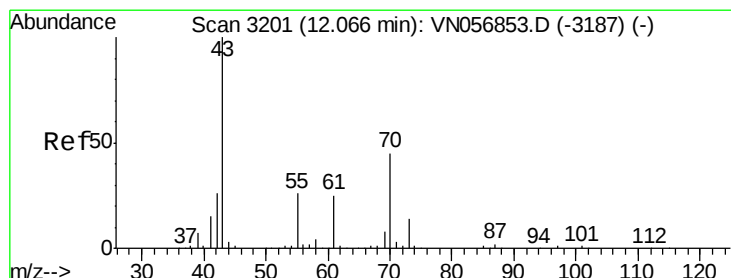
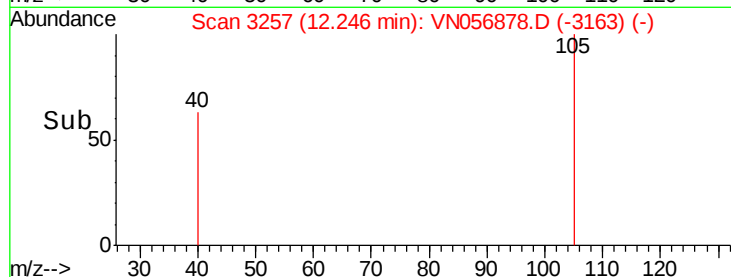
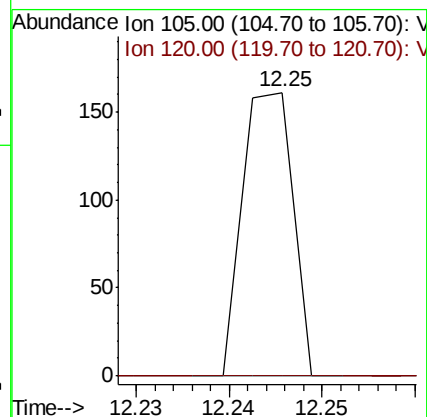
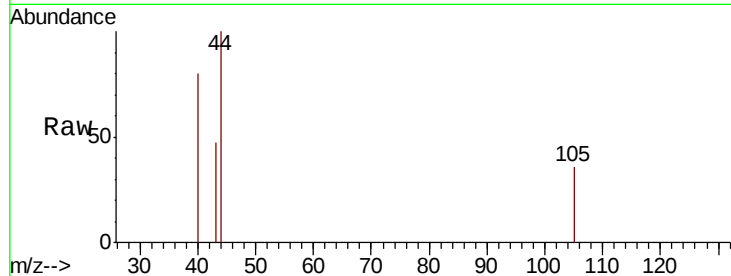
OR-02-071919-B

Tot Ion:105 Resp: 62

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.2#



#74

N-ethyl acetate

Concen: 1.960 ug/l

RT: 11.87 min Scan# 3141

Delta R.T. -0.19 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

Tgt Ion: 43 Resp: 9673

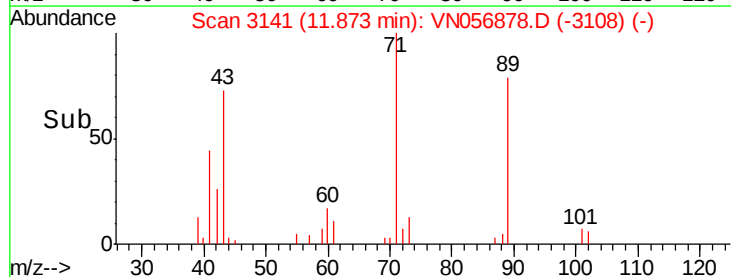
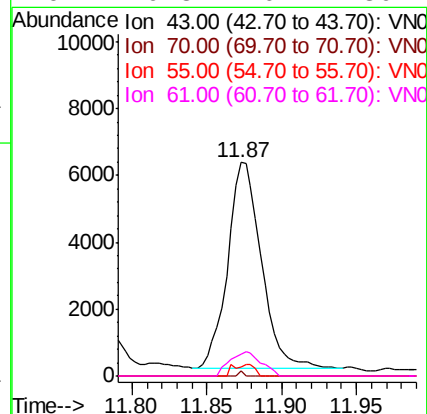
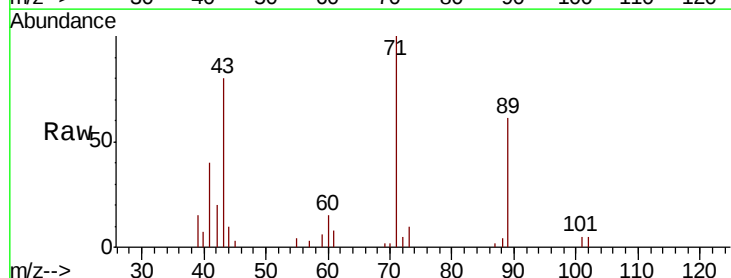
Ion Ratio Lower Upper

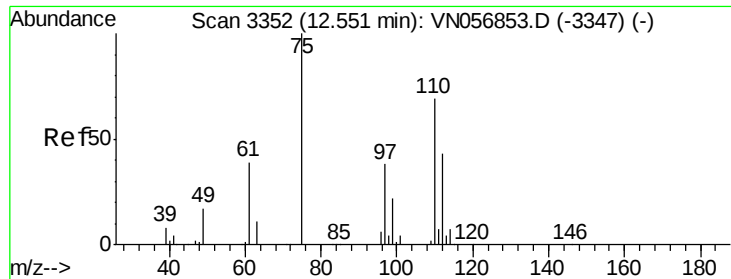
43 100

70 0.3 35.3 52.9#

55 3.5 20.6 31.0#

61 10.8 20.2 30.2#

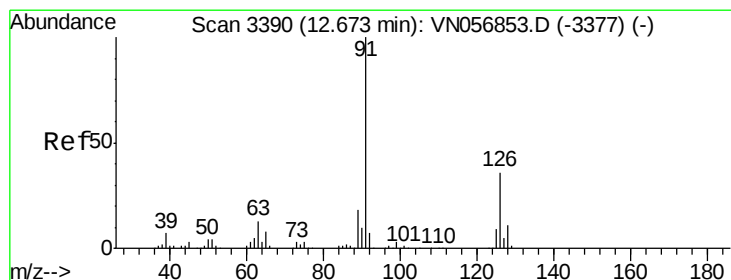
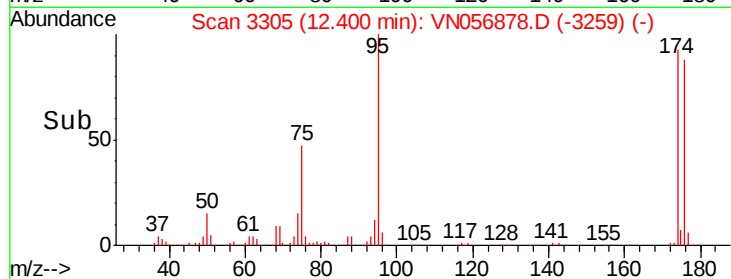
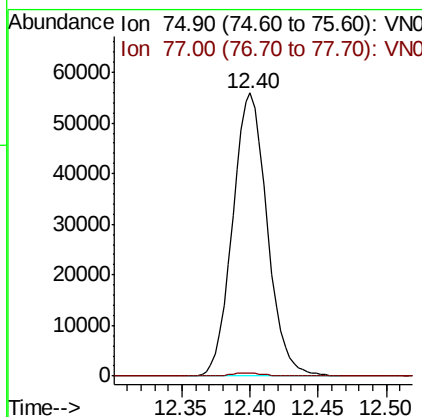
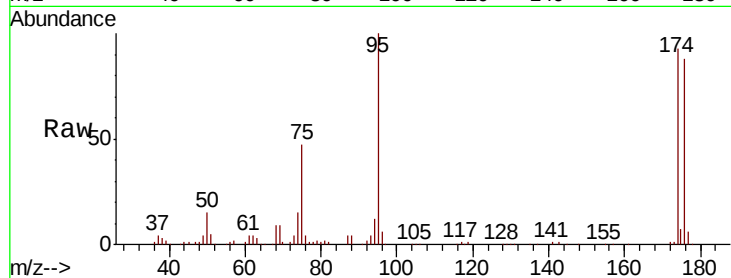




#76  
 1,2,3-Trichloropropane  
 Concen: 28.247 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.15 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

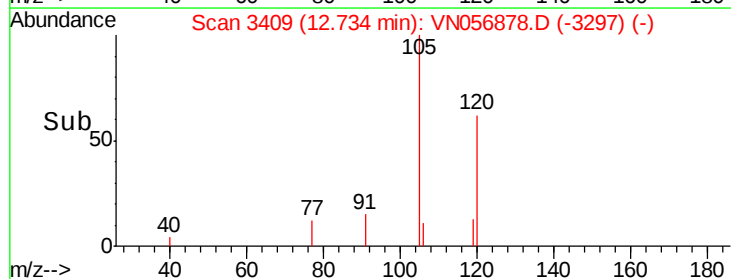
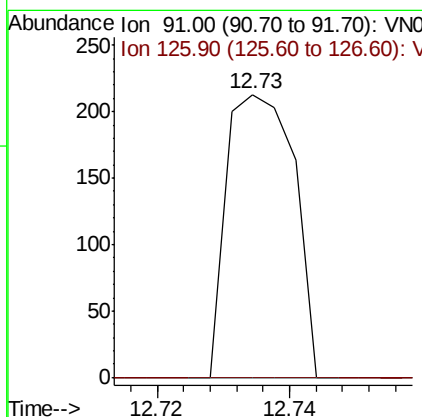
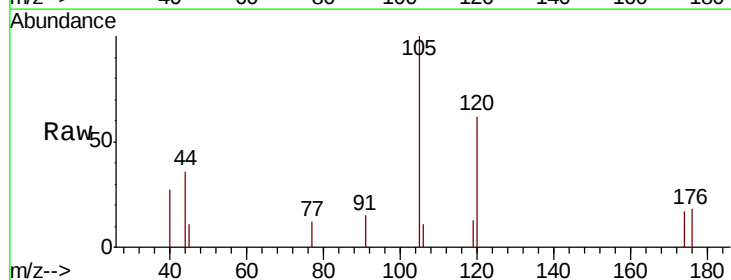
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-071919-B

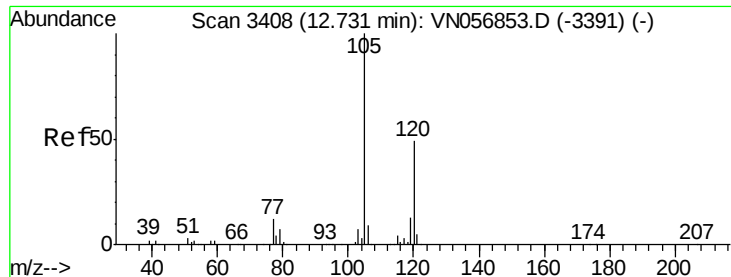
Tot Ion: 75 Resp: 98404  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 0.0 0.0#



#79  
 2-Chlorotoluene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.06 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

Tgt Ion: 91 Resp: 151  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 17.8 53.5#

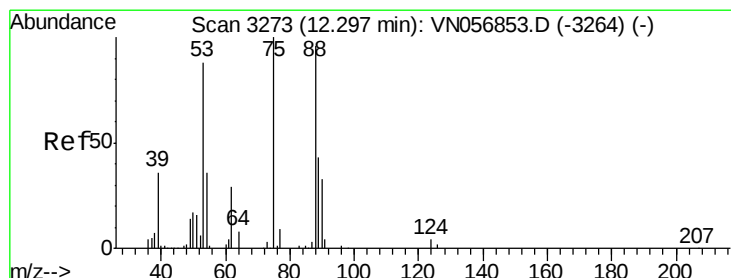
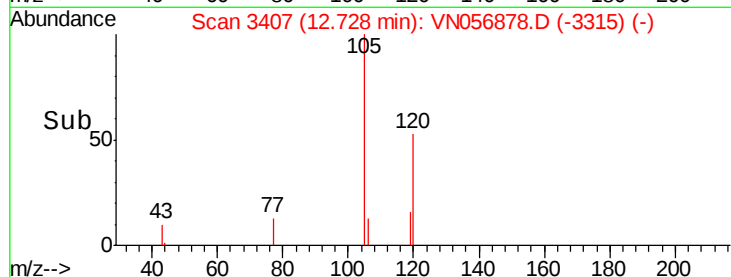
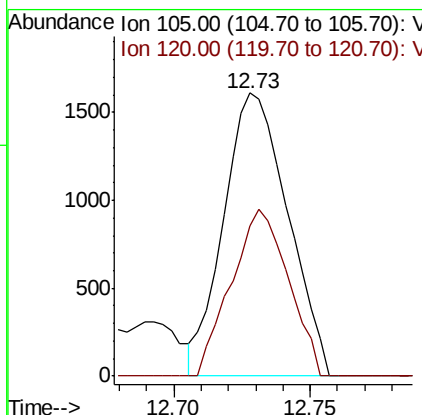
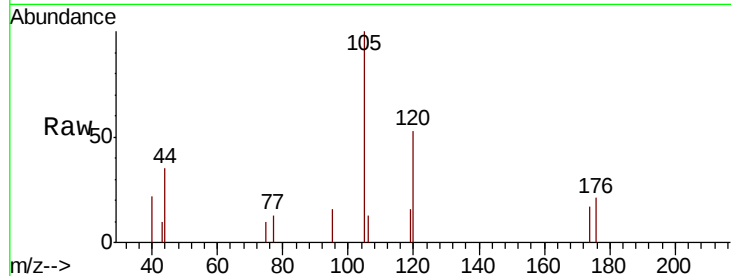




#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3407  
 Delta R.T. -0.00 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

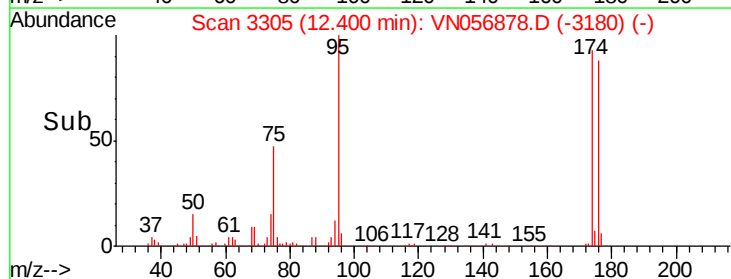
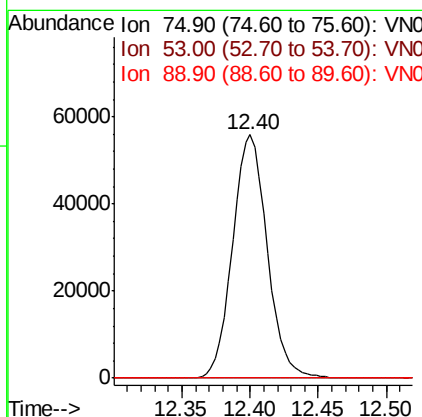
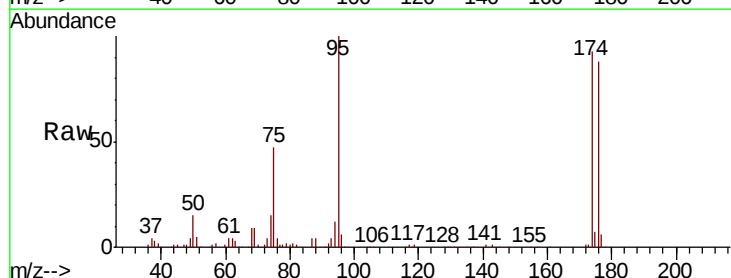
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-071919-B

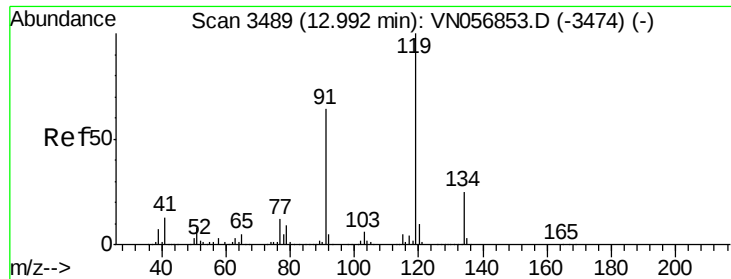
Tot Ion:105 Resp: 2635  
 Ion Ratio Lower Upper  
 105 100  
 120 52.3 24.7 74.1



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 90.471 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN056878.D  
 Acq: 23 Jul 2019 15:01

Tgt Ion: 75 Resp: 98404  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.3 108.5#  
 89 0.0 36.2 54.4#

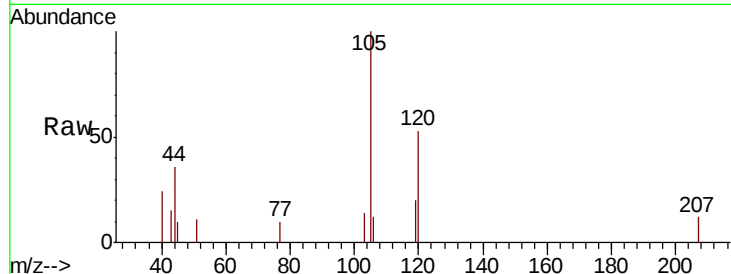




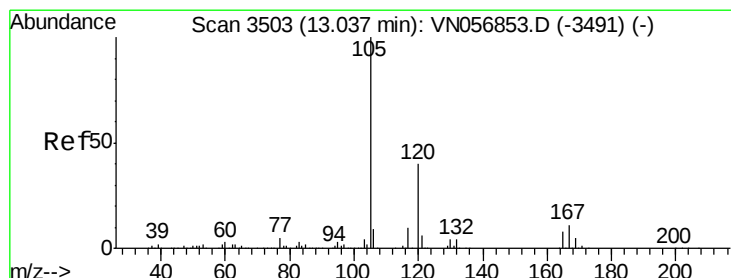
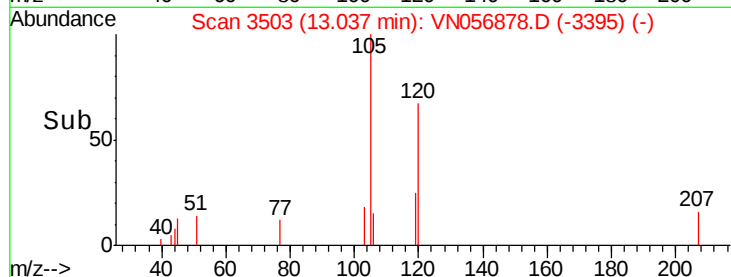
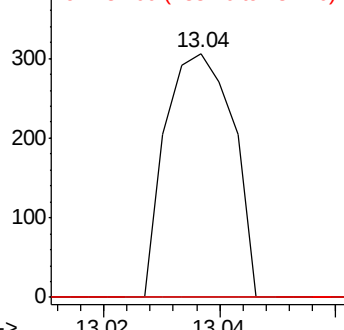
#83  
tert-Butylbenzene  
Concen: Below Cal  
RT: 13.04 min Scan# 3503  
Delta R.T. 0.05 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-071919-B

Tot Ion:119 Resp: 246  
Ion Ratio Lower Upper  
119 100  
91 0.0 31.5 94.5#  
134 0.0 12.2 36.6#

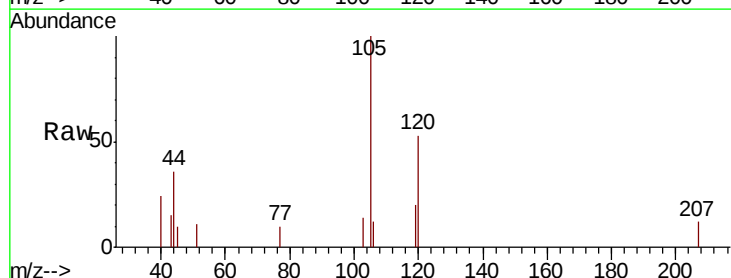


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

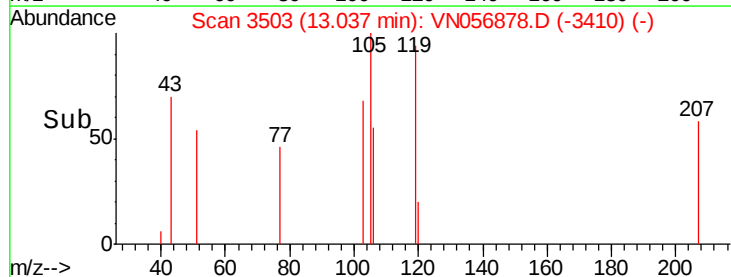
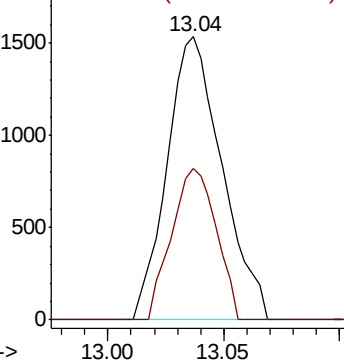


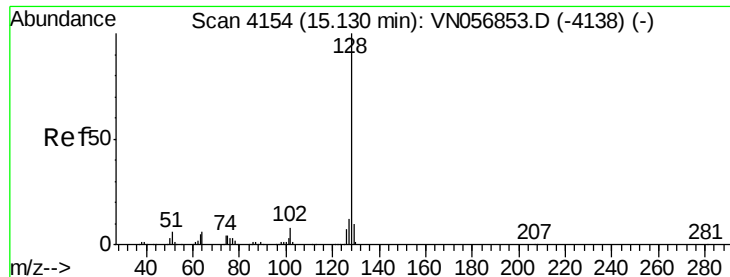
#84  
1,2,4-Trimethylbenzene  
Concen: 0.217 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. 0.00 min  
Lab File: VN056878.D  
Acq: 23 Jul 2019 15:01

Tgt Ion:105 Resp: 2523  
Ion Ratio Lower Upper  
105 100  
120 43.4 23.2 69.5



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





#95

Naphthalene

Concen: 4.055 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-071919-B

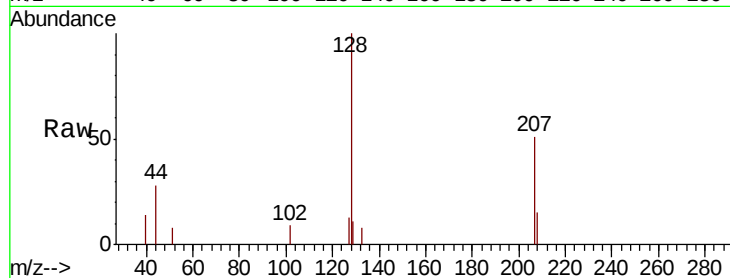
Tot Ion:128 Resp: 3789

Ion Ratio Lower Upper

128 100

127 10.7 10.2 15.2

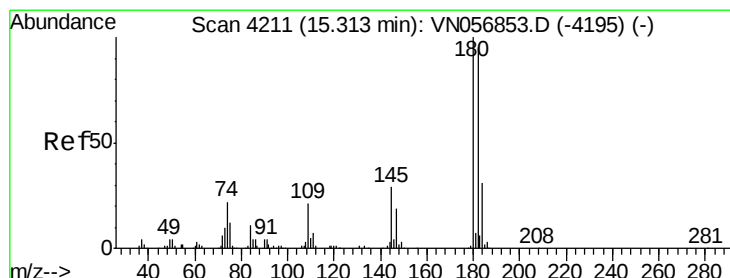
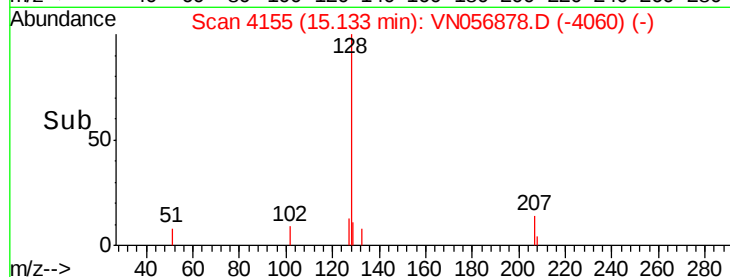
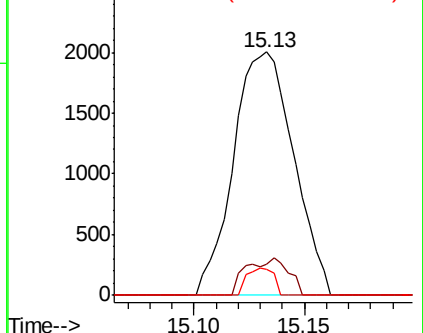
129 5.0 8.5 12.7#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.510 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN056878.D

Acq: 23 Jul 2019 15:01

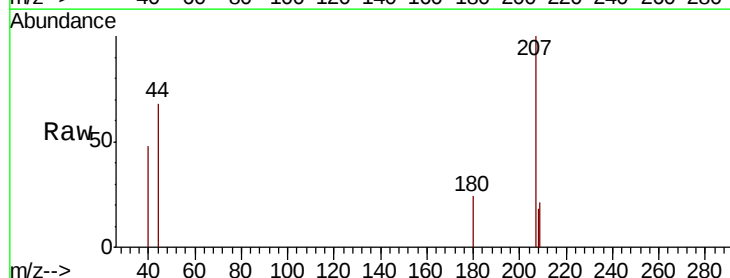
Tgt Ion:180 Resp: 137

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

145 0.0 14.7 44.1#



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

