

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\  
 Data File : VN060901.D  
 Acq On : 8 Apr 2020 15:17  
 Operator : JC/MD  
 Sample : L2181-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 09 08:27:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 196716   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 326276   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 310328   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 138506   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 125894   | 46.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.24%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 98635    | 50.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.00% |          |
| 50) Toluene-d8              | 10.08 | 98   | 406063   | 50.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.78% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 149638   | 50.67 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.34% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 16) Acetone                    | 3.78  | 43   | 81227    | 84.916 | ug/l   | 99     |
| 18) Methyl Acetate             | 4.29  | 43   | 1841     | 0.684  | ug/l # | 61     |
| 20) Methylene Chloride         | 4.53  | 84   | 3436     | 1.460  | ug/l   | 92     |
| 25) 2-Butanone                 | 6.81  | 43   | 1211     | 0.782  | ug/l # | 50     |
| 31) Cyclohexane                | 7.64  | 56   | 5343     | 1.228  | ug/l # | 2      |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 15508    | 4.909  | ug/l # | 45     |
| 37) Ethyl Acetate              | 6.81  | 43   | 1211     | 0.355  | ug/l # | 70     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 18640    | 6.583  | ug/l # | 16     |
| 39) Methylcyclohexane          | 9.06  | 83   | 868      | 0.231  | ug/l # | 92     |
| 40) Benzene                    | 8.01  | 78   | 2830     | 0.297  | ug/l # | 89     |
| 43) Isopropyl Acetate          | 8.14  | 43   | 53134    | 9.438  | ug/l # | 91     |
| 45) 1,2-Dichloropropane        | 9.25  | 63   | 857      | 0.341  | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.16  | 41   | 2928     | 1.168  | ug/l # | 15     |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 4149     | 1.295  | ug/l   | 91     |
| 54) cis-1,3-Dichloropropene    | 9.89  | 75   | 22351    | 5.610  | ug/l # | 61     |
| 57) 1,3-Dichloropropane        | 10.75 | 76   | 3561     | 0.926  | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.75 | 43   | 50388    | 21.834 | ug/l # | 52     |
| 68) m/p-Xylenes                | 11.61 | 106  | 952      | 0.224  | ug/l   | 96     |
| 69) o-Xylene                   | 11.94 | 106  | 1799     | 0.443  | ug/l   | 98     |
| 71) Bromoform                  | 12.39 | 173  | 584      | 1.985  | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105  | 4625     | 0.445  | ug/l   | 96     |
| 74) N-amyl acetate             | 12.02 | 43   | 2510     | 0.523  | ug/l # | 45     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 75739    | 25.342 | ug/l # | 100    |
| 78) n-propylbenzene            | 12.59 | 91   | 11375    | 0.926  | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 4923     | 0.671  | ug/l # | 42     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 20146    | 2.284  | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 75739    | 65.086 | ug/l # | 13     |
| 82) 4-Chlorotoluene            | 12.73 | 91   | 2318     | 0.310  | ug/l # | 42     |
| 83) tert-Butylbenzene          | 13.04 | 119  | 3050     | 0.417  | ug/l # | 68     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 25455    | 2.917  | ug/l   | 99     |
| 85) sec-Butylbenzene           | 13.04 | 105  | 25455    | 2.589  | ug/l # | 58     |
| 90) Hexachloroethane           | 13.99 | 117  | 621      | 0.483  | ug/l # | 8      |
| 95) Naphthalene                | 15.13 | 128  | 10707    | 1.372  | ug/l   | 99     |

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Instrument :  
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ClientSampleId :

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Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration

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

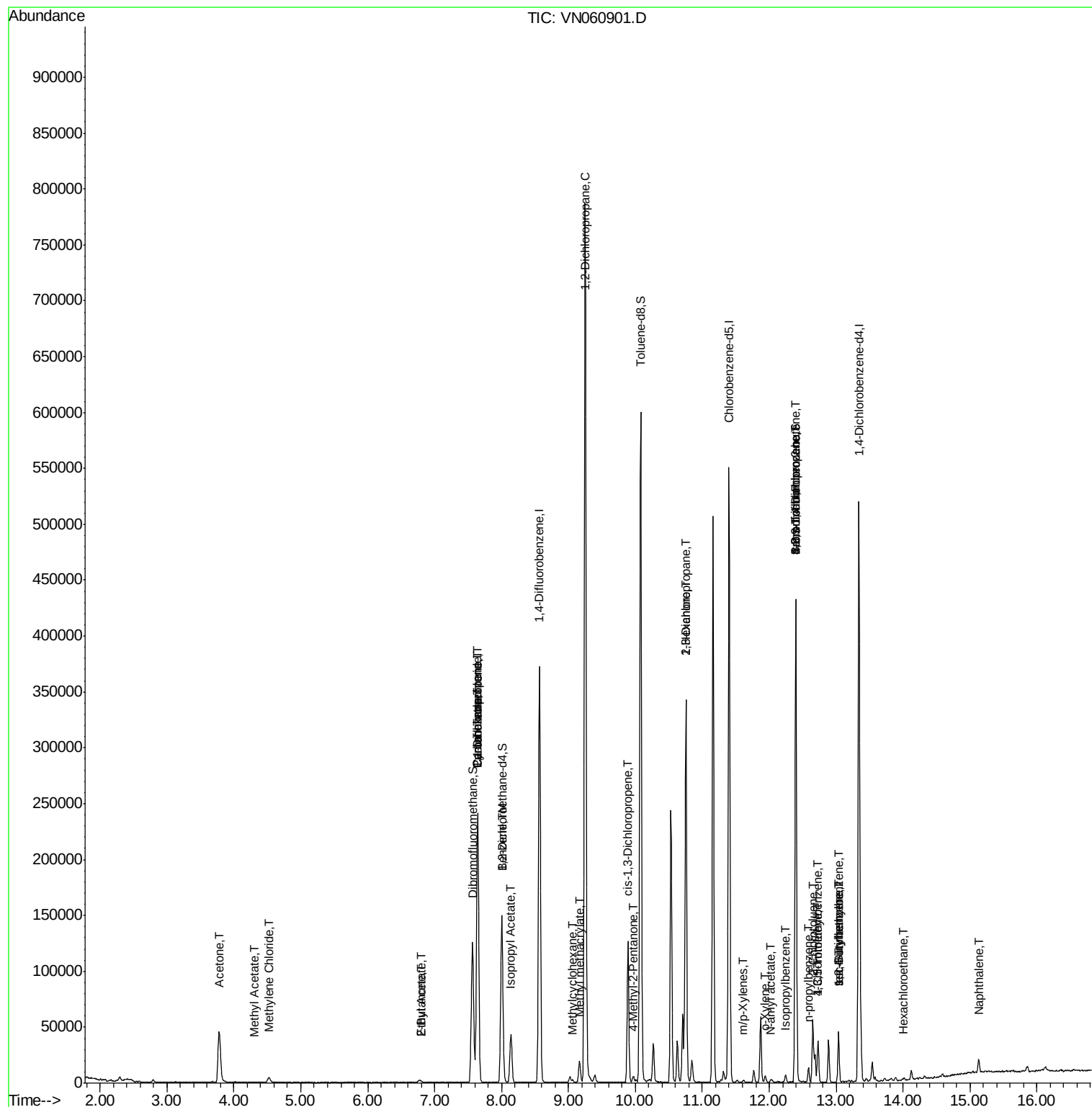
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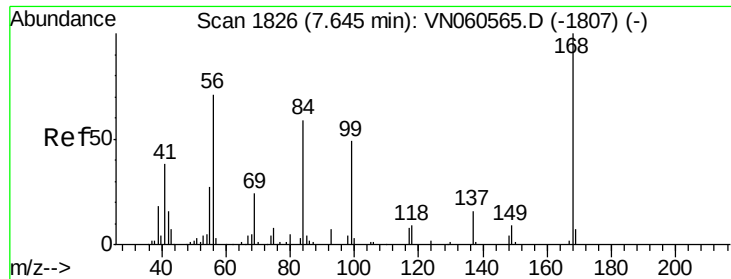
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

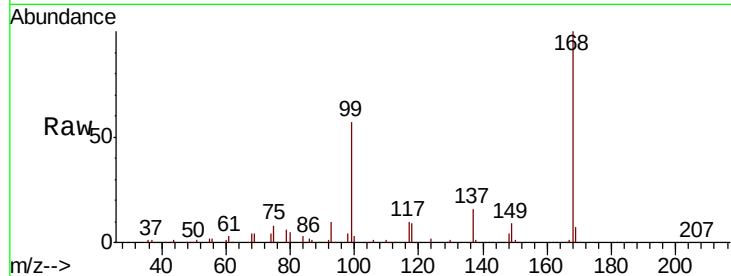
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:168 Resp: 196716

Ion Ratio Lower Upper

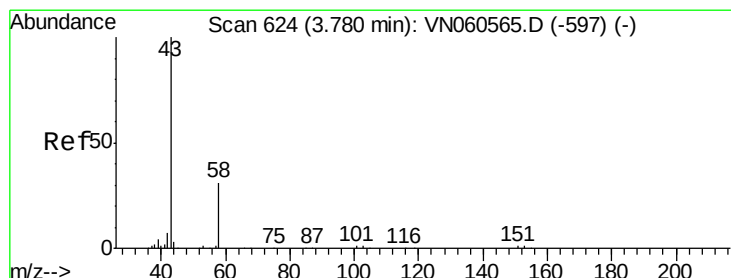
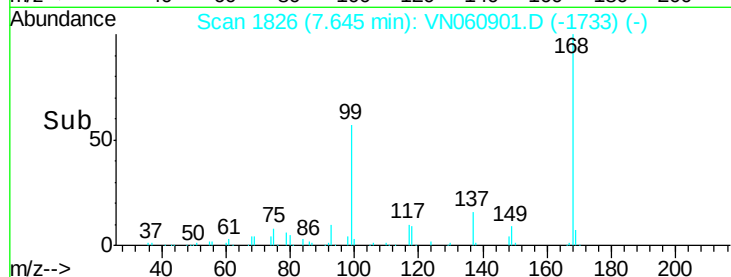
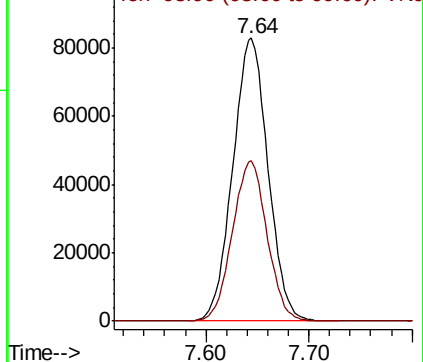
168 100

99 56.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 84.916 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060901.D

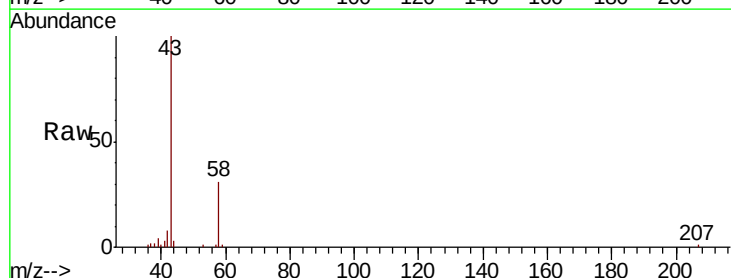
Acq: 8 Apr 2020 15:17

Tgt Ion: 43 Resp: 81227

Ion Ratio Lower Upper

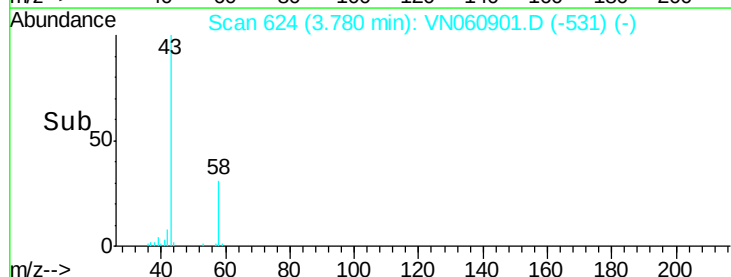
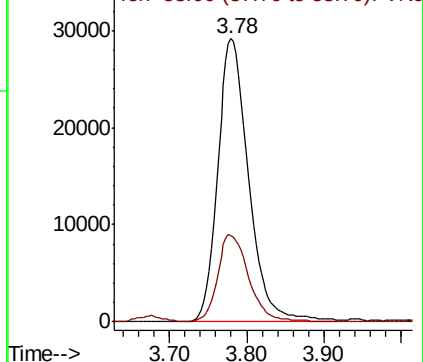
43 100

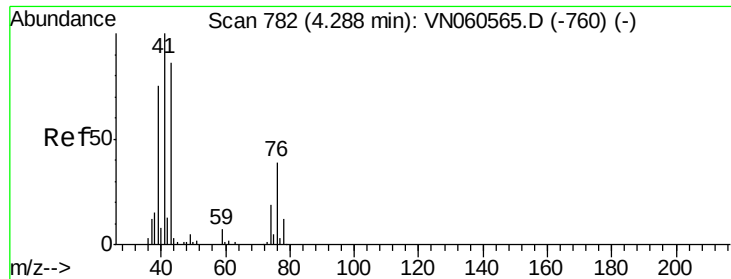
58 30.7 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

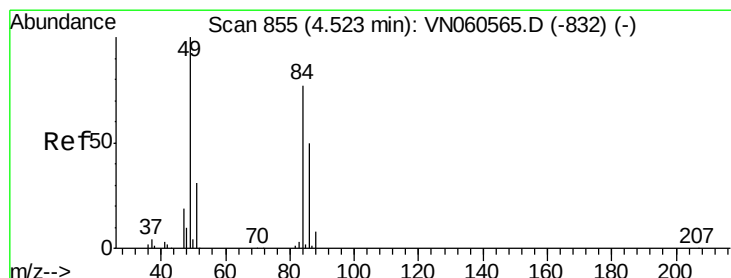
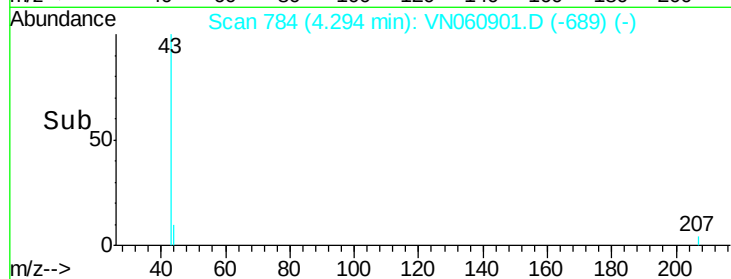
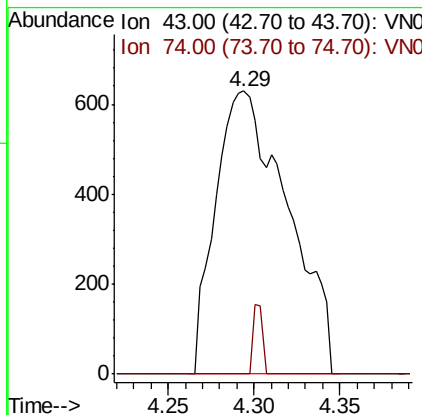
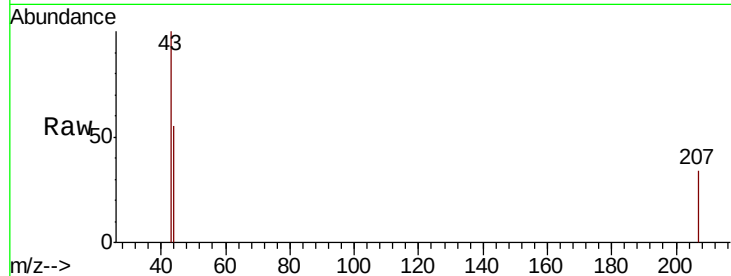




#18  
Methyl Acetate  
Concen: 0.684 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. 0.01 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

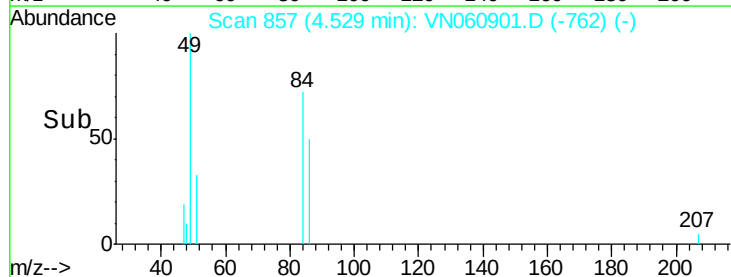
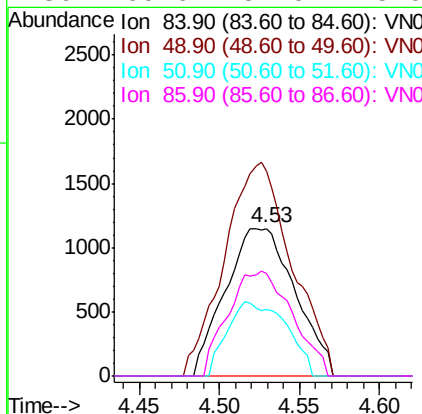
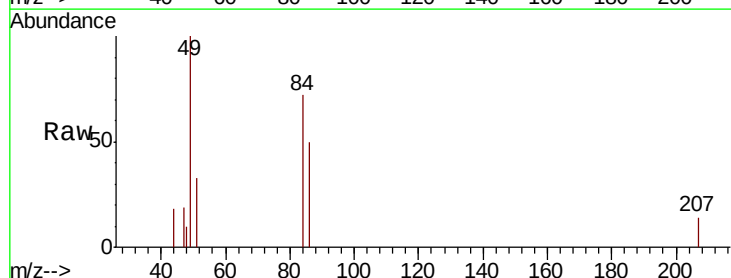
Instrument :  
MSVOA\_N  
ClientSampleId :

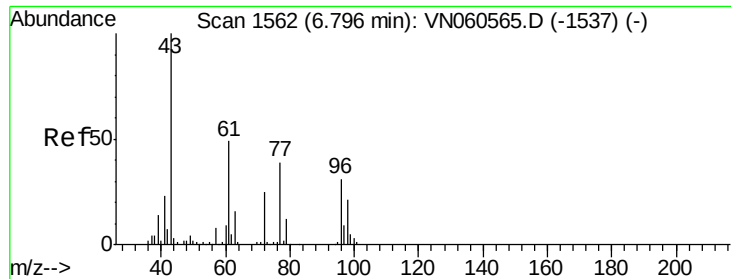
Tot Ion: 43 Resp: 1841  
Ion Ratio Lower Upper  
43 100  
74 3.2 17.5 26.3#



#20  
Methylene Chloride  
Concen: 1.460 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.01 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

Tgt Ion: 84 Resp: 3436  
Ion Ratio Lower Upper  
84 100  
49 138.8 103.3 154.9  
51 45.4 31.6 47.4  
86 69.6 52.0 78.0

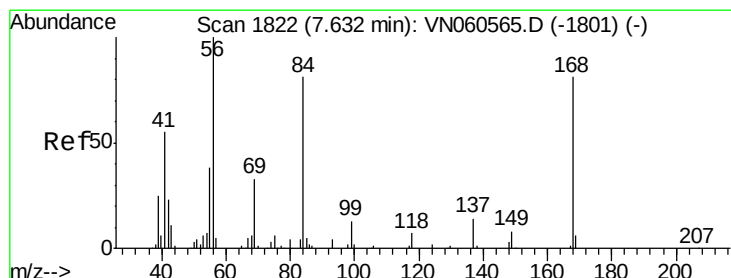
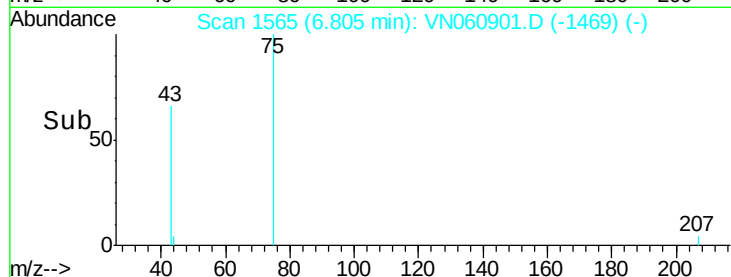
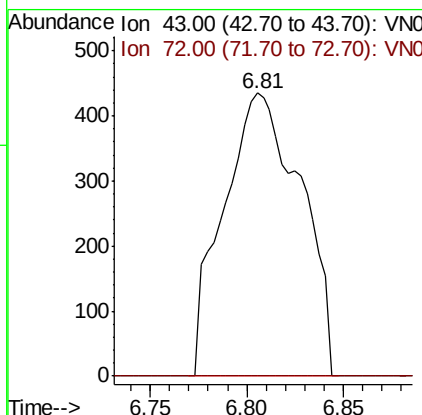
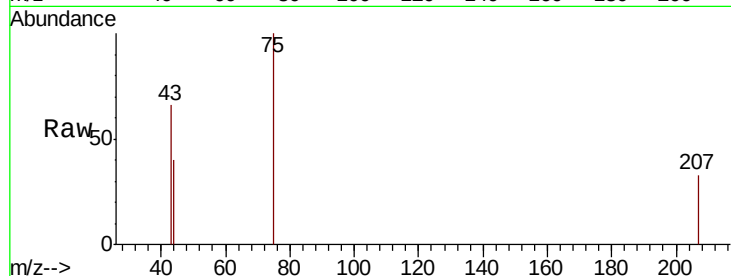




#25  
2-Butanone  
Concen: 0.782 ug/l  
RT: 6.81 min Scan# 1565  
Delta R.T. 0.01 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

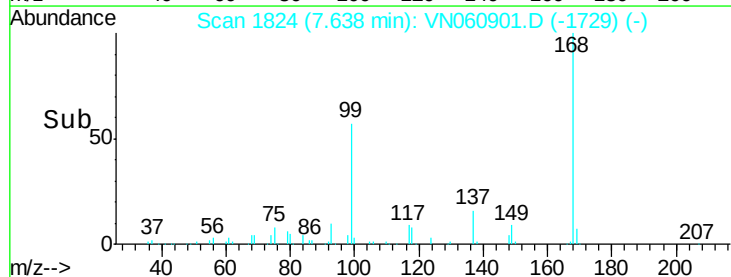
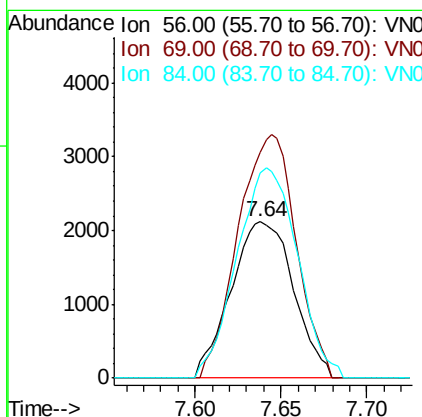
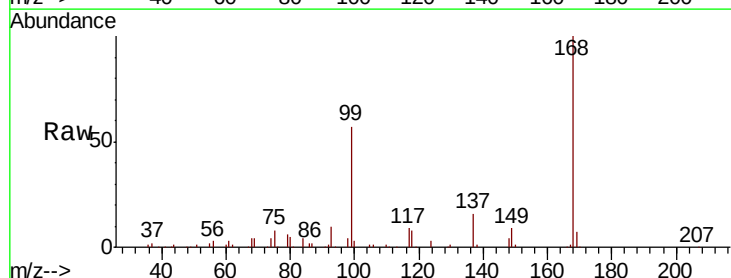
Instrument :  
MSVOA\_N  
ClientSampled :

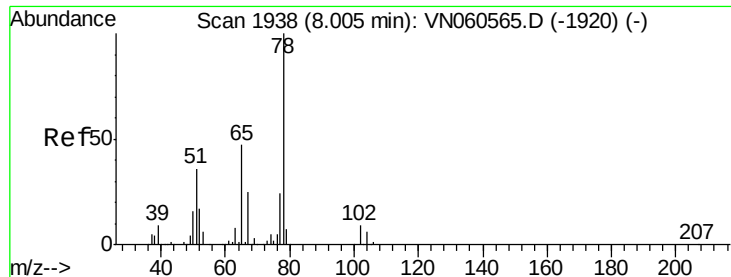
Tot Ion: 43 Resp: 1211  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.4 30.6#



#31  
Cyclohexane  
Concen: 1.228 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.01 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

Tgt Ion: 56 Resp: 5343  
Ion Ratio Lower Upper  
56 100  
69 144.4 26.6 40.0#  
84 131.7 64.3 96.5#

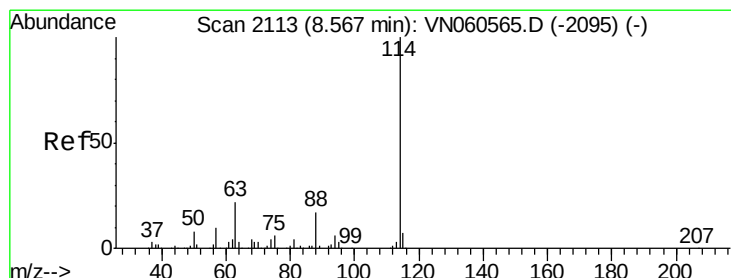
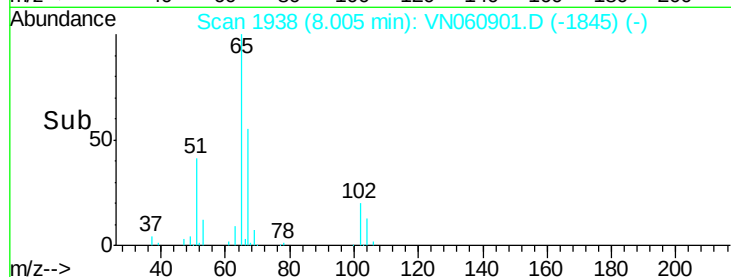
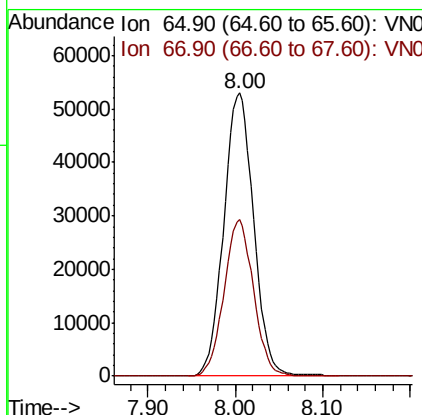
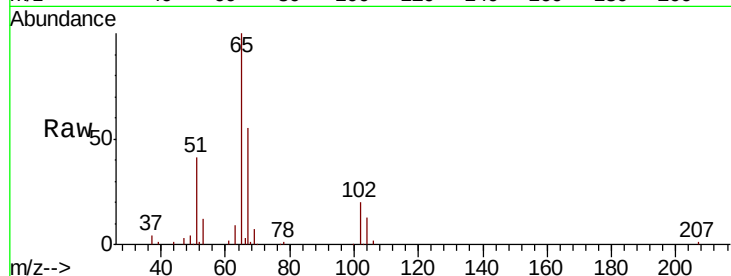




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.619 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

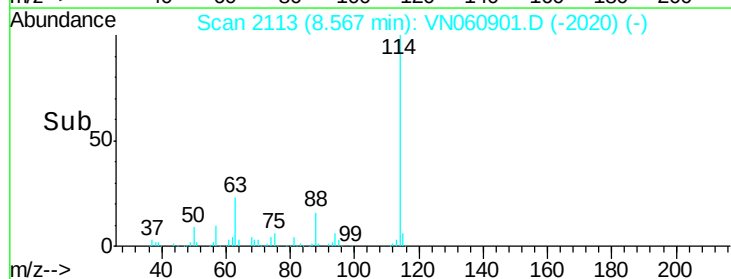
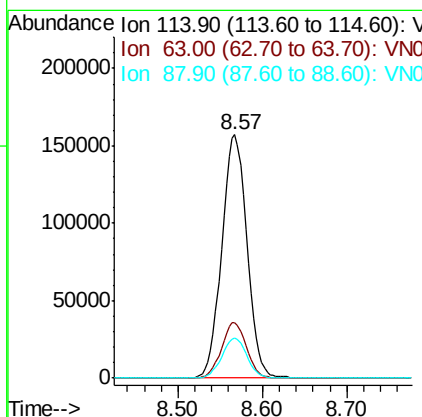
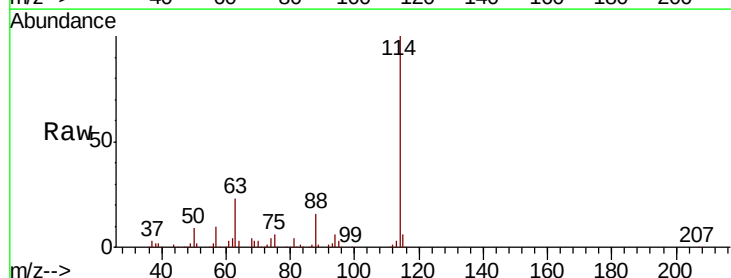
Instrument :  
 MSVOA\_N  
 ClientSampleId :

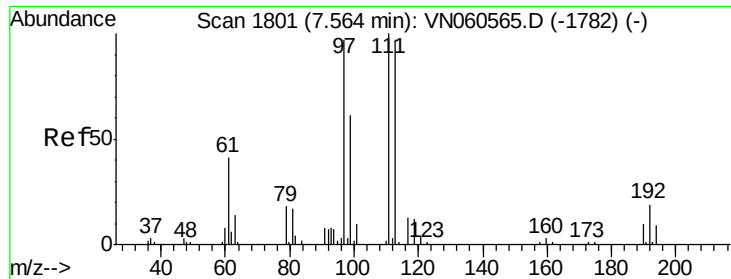
Tot Ion: 65 Resp: 125894  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 107.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

Tgt Ion: 114 Resp: 326276  
 Ion Ratio Lower Upper  
 114 100  
 63 22.7 0.0 43.8  
 88 16.3 0.0 33.0

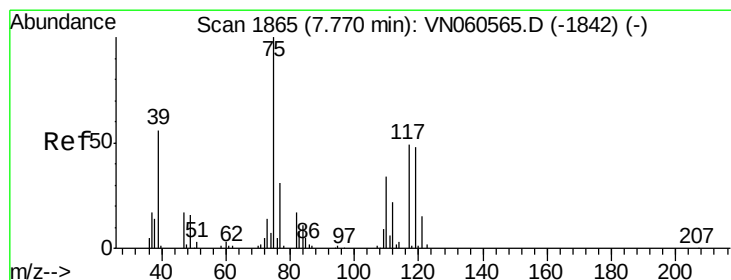
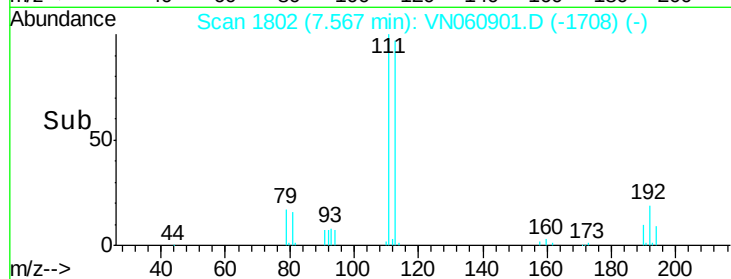
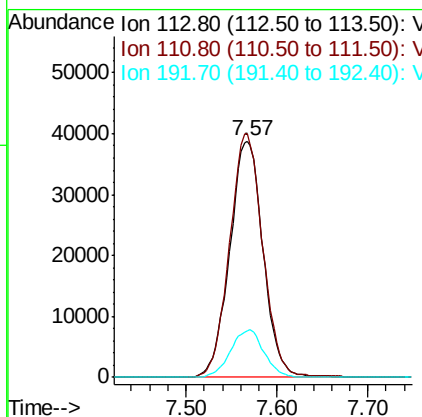
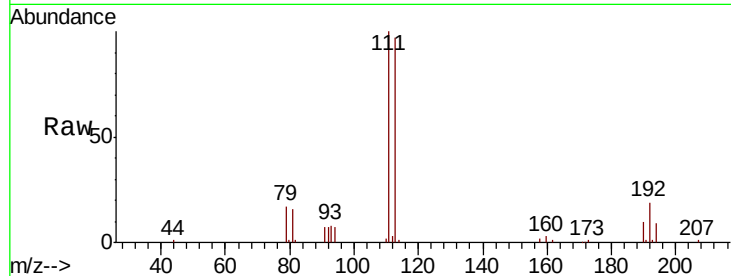




#35  
 Dibromofluoromethane  
 Concen: 49.995 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

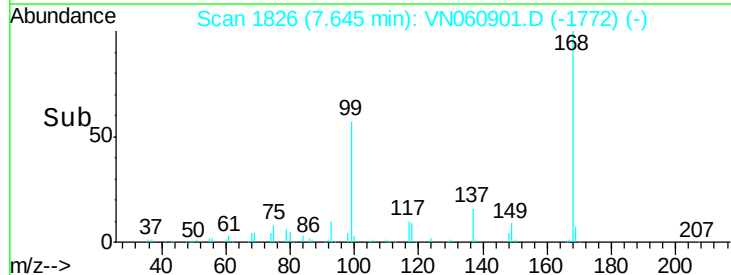
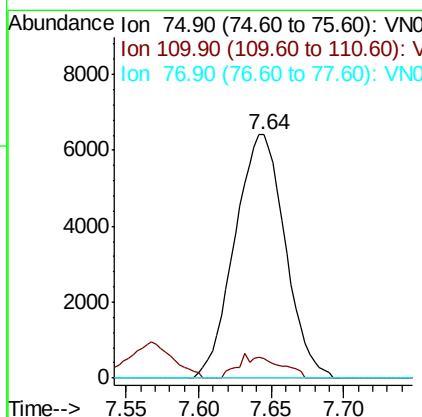
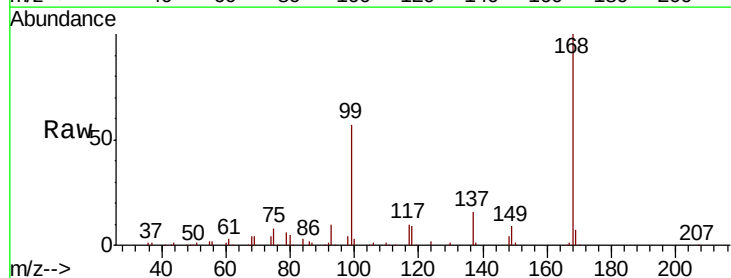
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:113 Resp: 98635  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 82.9 124.3  
 192 20.1 15.8 23.8

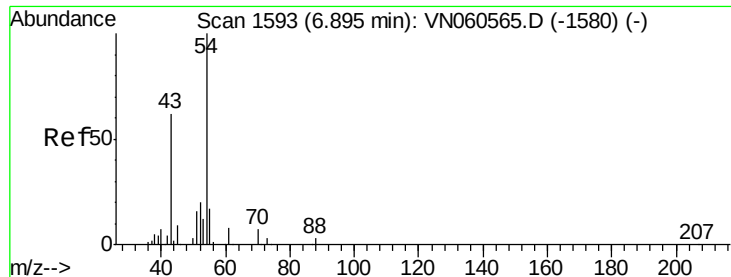


#36  
 1,1-Dichloropropene  
 Concen: 4.909 ug/l  
 RT: 7.64 min Scan# 1826  
 Delta R.T. -0.13 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

Tgt Ion: 75 Resp: 15508  
 Ion Ratio Lower Upper  
 75 100  
 110 2.5 16.9 50.6#  
 77 0.0 24.6 36.8#



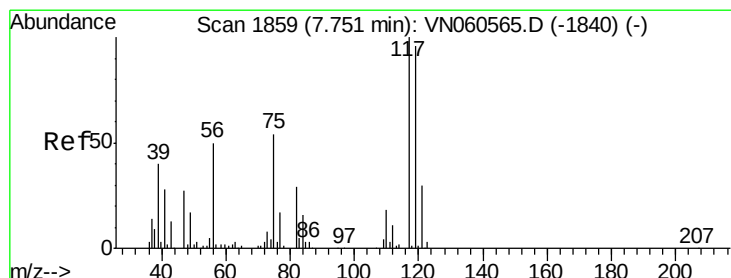
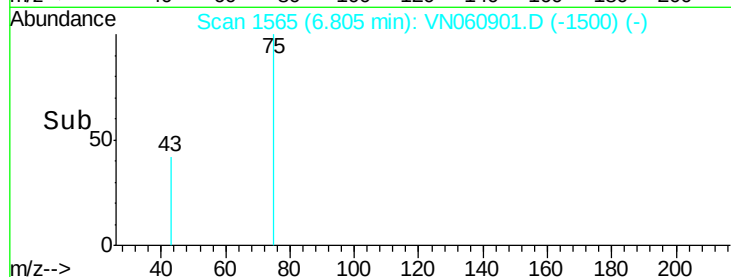
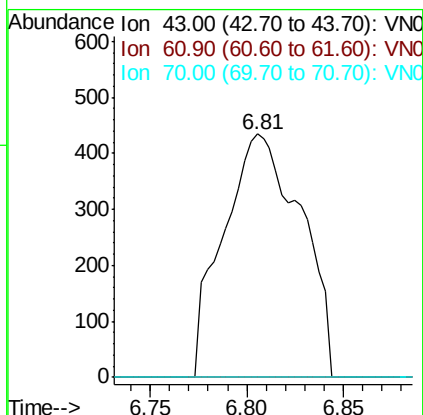
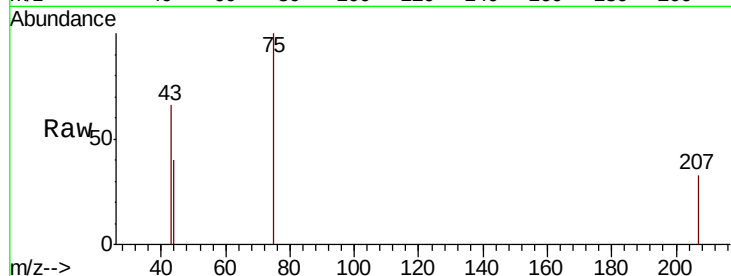




#37  
Ethyl Acetate  
Concen: 0.355 ug/l  
RT: 6.81 min Scan# 1565  
Delta R.T. -0.09 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

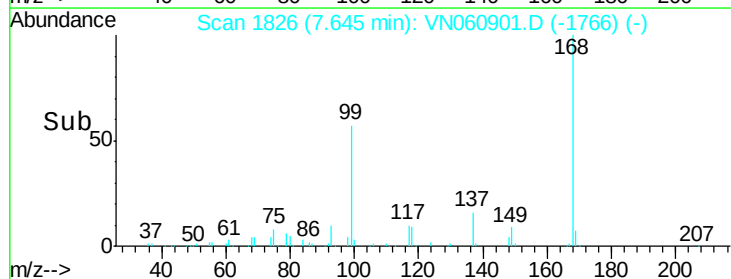
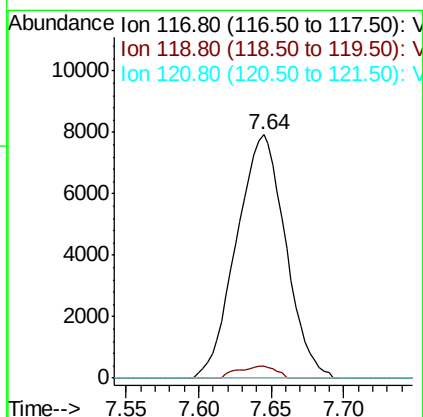
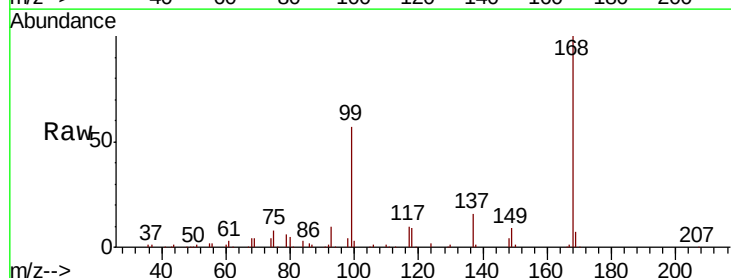
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MSVOA\_N  
ClientSampleId :

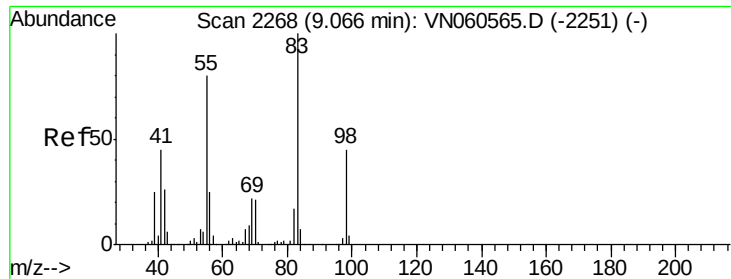
Tot Ion: 43 Resp: 1211  
Ion Ratio Lower Upper  
43 100  
61 0.0 10.6 15.8#  
70 0.0 7.9 11.9#



#38  
Carbon Tetrachloride  
Concen: 6.583 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. -0.11 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

Tgt Ion: 117 Resp: 18640  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.2 114.2#  
121 0.0 23.7 35.5#

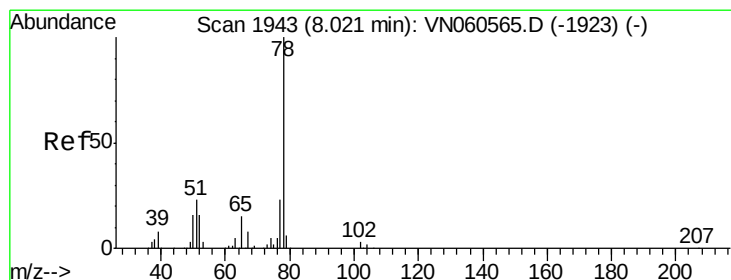
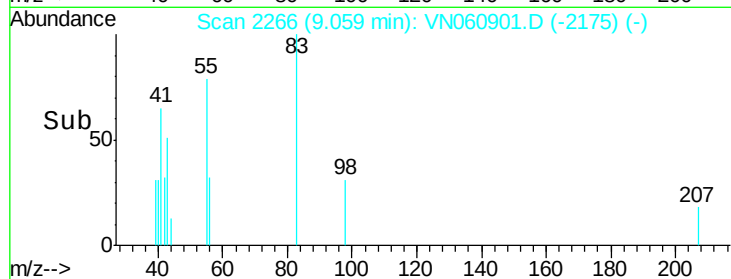
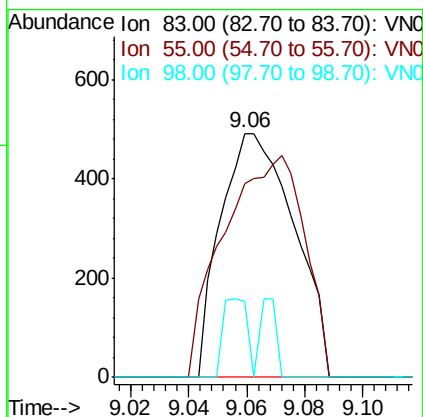
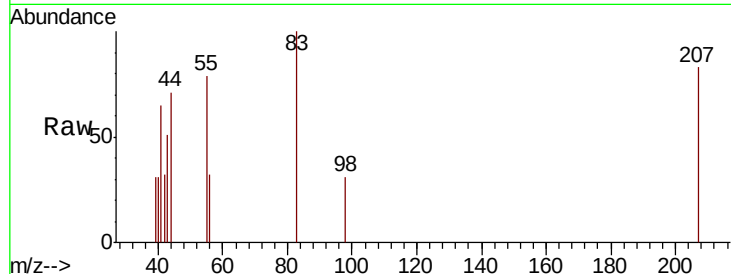




#39  
Methylvlcyclohexane  
Concen: 0.231 ug/l  
RT: 9.06 min Scan# 2266  
Delta R.T. -0.01 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

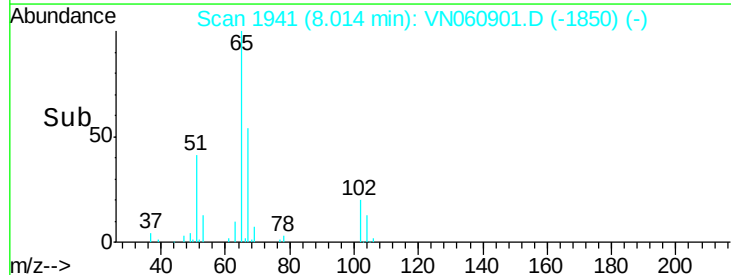
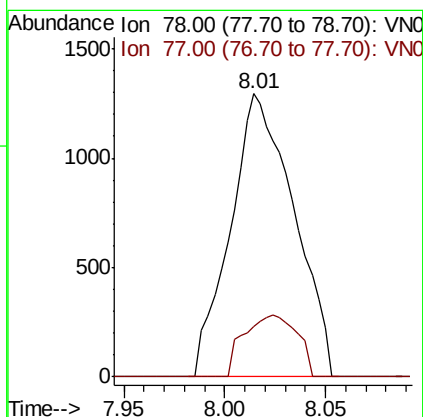
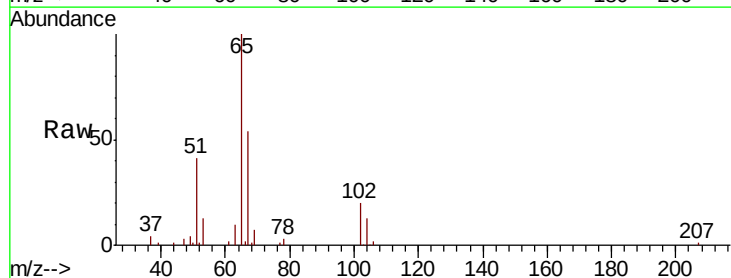
Instrument :  
MSVOA\_N  
ClientSampleId :

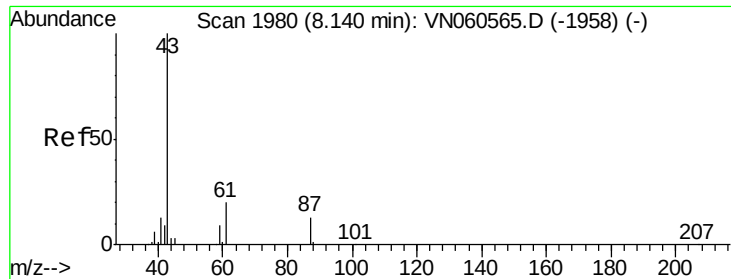
Tot Ion: 83 Resp: 868  
Ion Ratio Lower Upper  
83 100  
55 79.2 63.6 95.4  
98 31.4 36.0 54.0#



#40  
Benzene  
Concen: 0.297 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. -0.01 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

Tgt Ion: 78 Resp: 2830  
Ion Ratio Lower Upper  
78 100  
77 17.7 18.6 28.0#

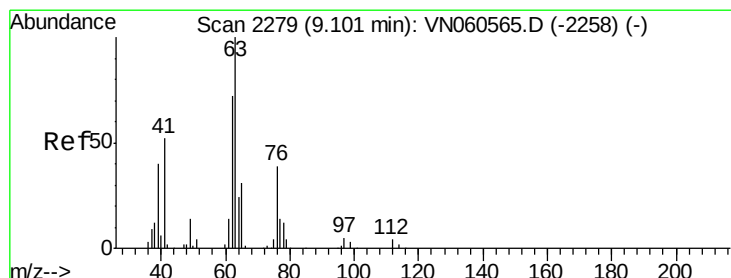
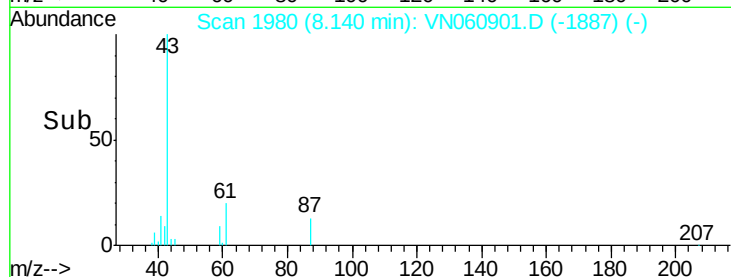
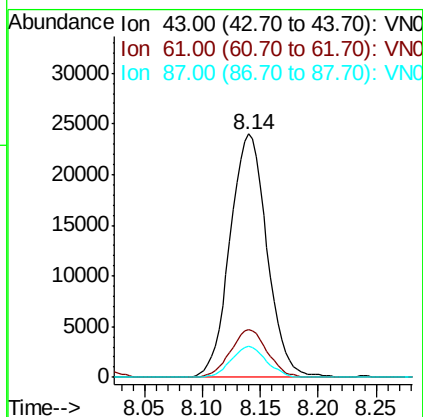
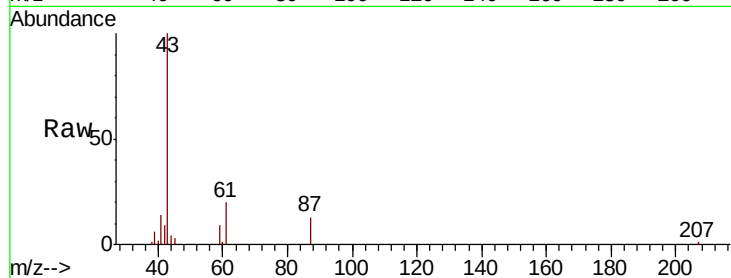




#43  
Isopropyl Acetate  
Concen: 9.438 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. -0.00 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

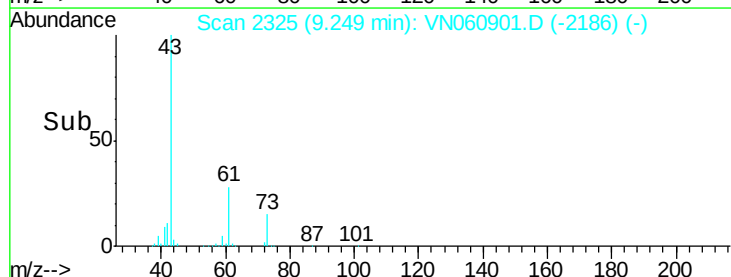
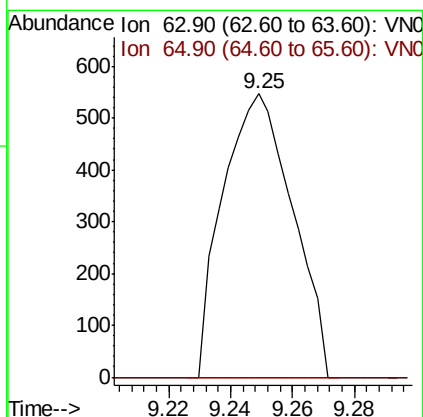
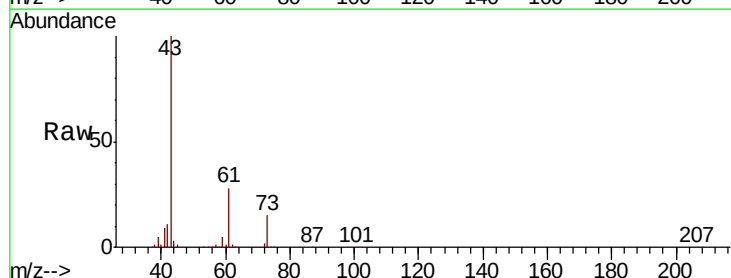
Instrument :  
MSVOA\_N  
ClientSampleId :

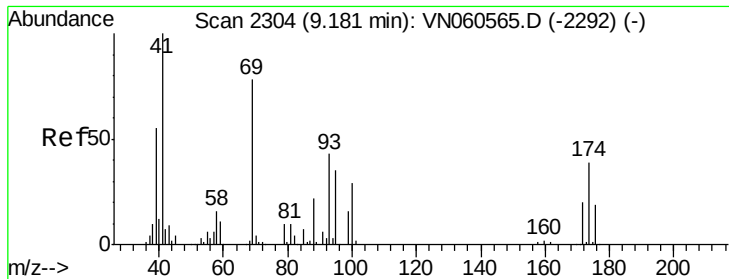
Tot Ion: 43 Resp: 53134  
Ion Ratio Lower Upper  
43 100  
61 19.4 20.7 31.1#  
87 12.0 9.8 14.8



#45  
1,2-Dichloropropane  
Concen: 0.341 ug/l  
RT: 9.25 min Scan# 2325  
Delta R.T. 0.15 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

Tgt Ion: 63 Resp: 857  
Ion Ratio Lower Upper  
63 100  
65 0.0 25.4 38.0#

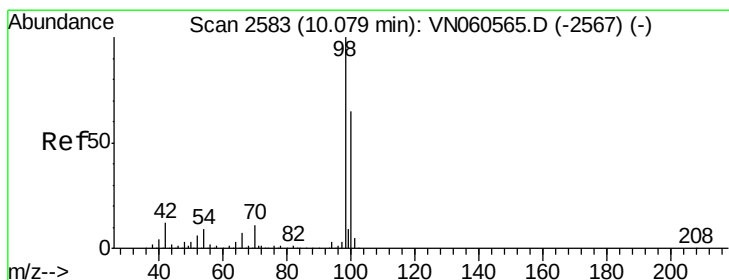
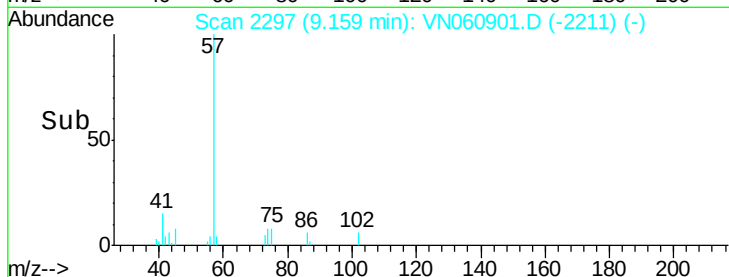
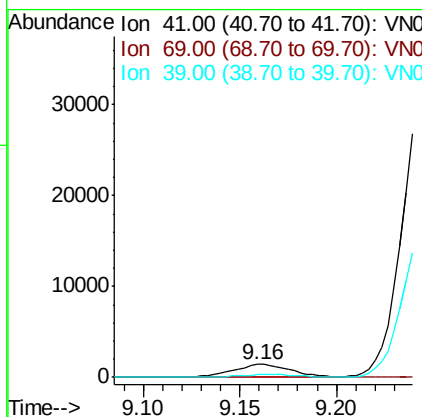
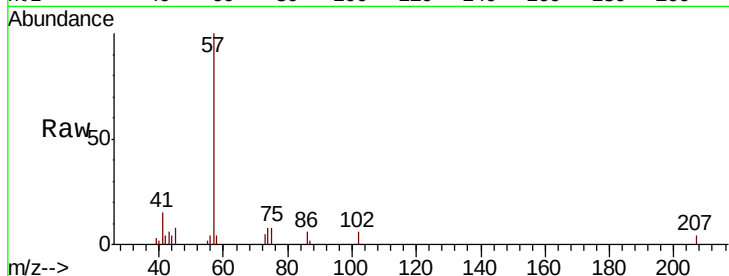




#48  
Methvl methacrylate  
Concen: 1.168 ug/l  
RT: 9.16 min Scan# 2297  
Delta R.T. -0.02 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

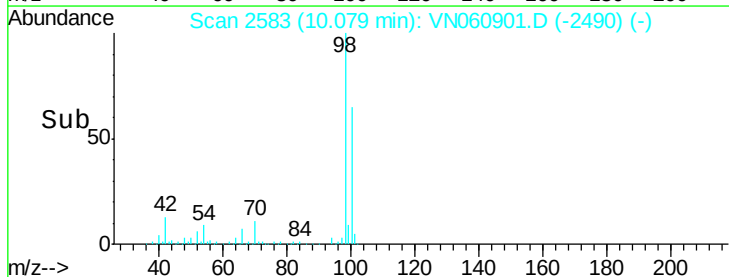
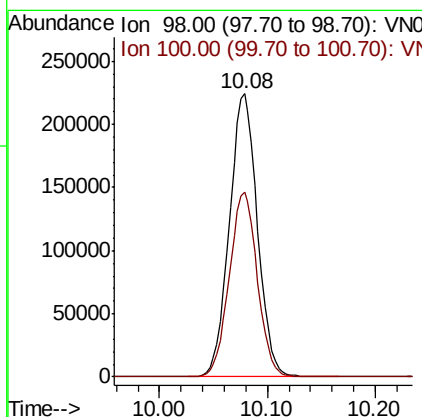
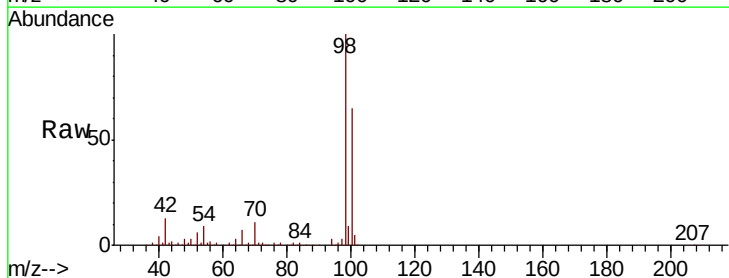
Instrument :  
MSVOA\_N  
ClientSampleId :

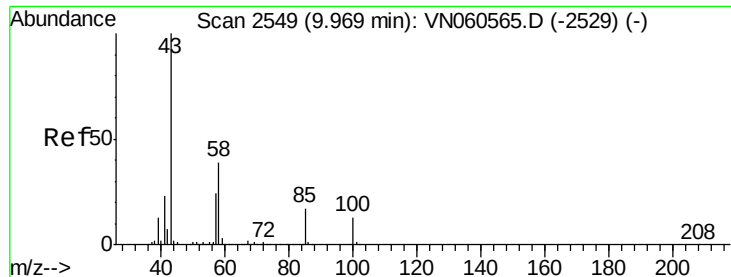
Tot Ion: 41 Resp: 2928  
Ion Ratio Lower Upper  
41 100  
69 0.0 65.4 98.0#  
39 0.0 44.0 66.0#



#50  
Toluene-d8  
Concen: 50.390 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. -0.00 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

Tgt Ion: 98 Resp: 406063  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.295 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA\_N

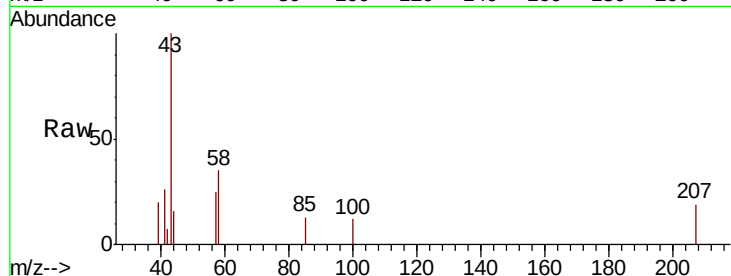
ClientSampled :

Tot Ion: 43 Resp: 4149

Ion Ratio Lower Upper

43 100

58 33.1 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060901.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060901.D (-2456) (-)

8000

6000

4000

2000

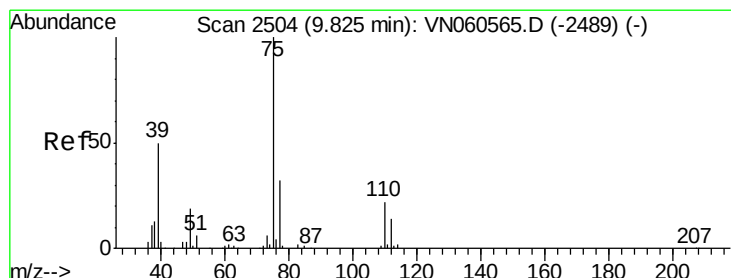
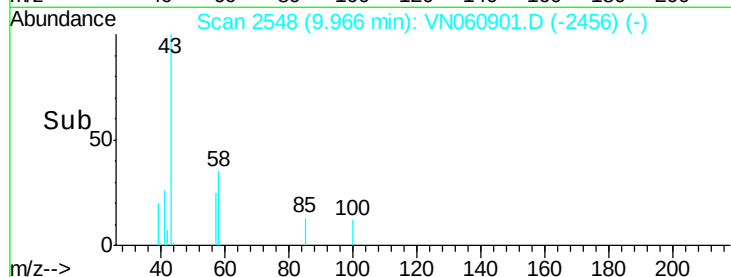
0

9.95

9.97

10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.610 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

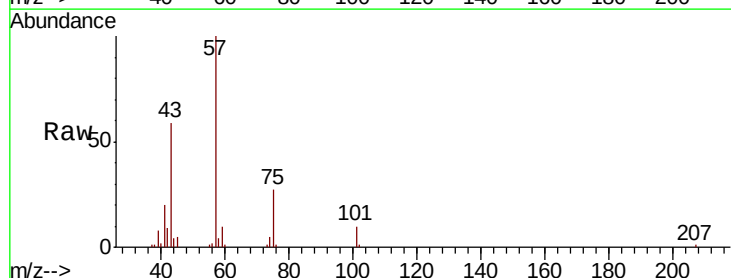
Tgt Ion: 75 Resp: 22351

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 30.9 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060901.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060901.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060901.D (-2411) (-)

15000

10000

5000

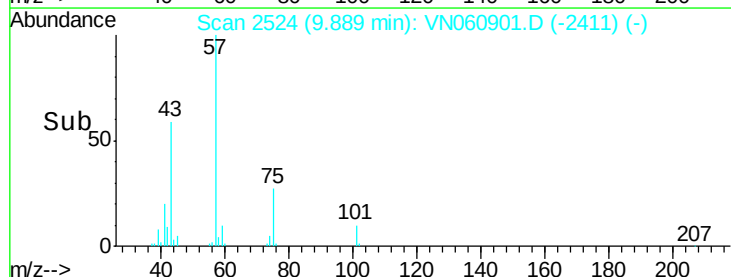
0

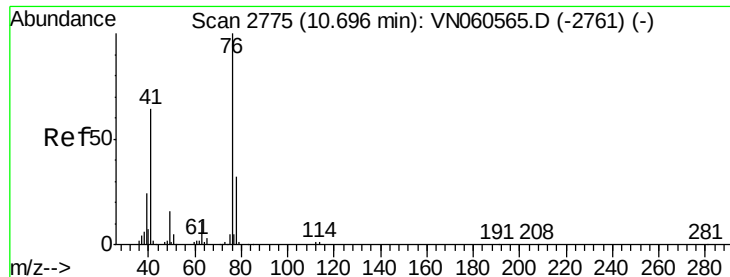
9.85

9.89

9.95

Time-->

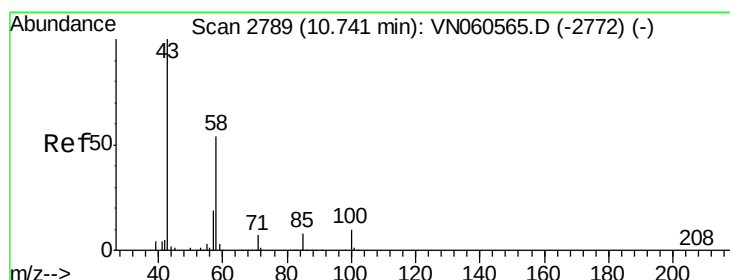
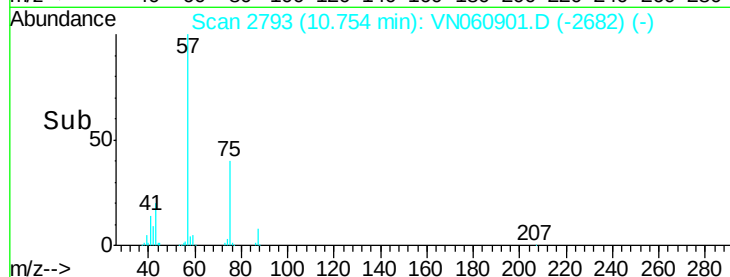
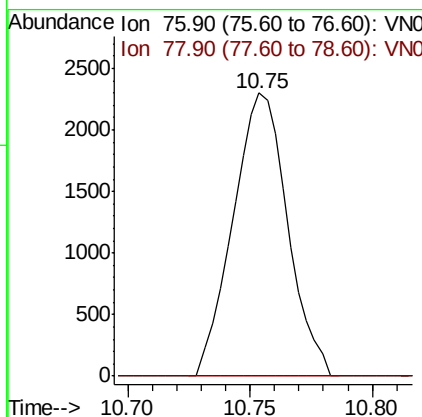
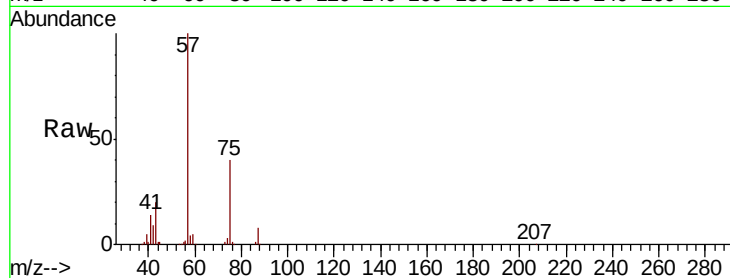




#57  
 1,3-Dichloropropane  
 Concen: 0.926 ug/l  
 RT: 10.75 min Scan# 2793  
 Delta R.T. 0.06 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

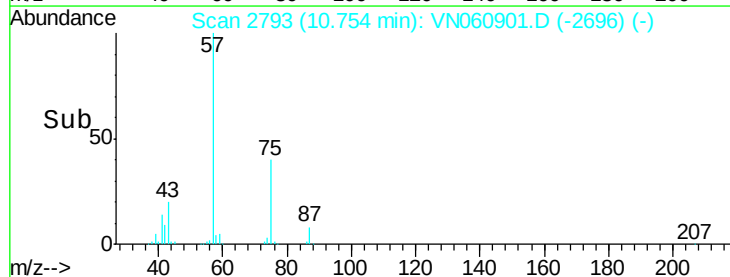
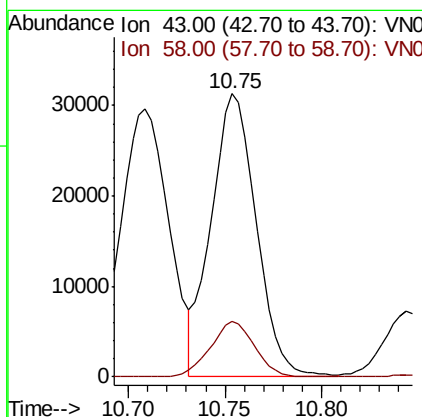
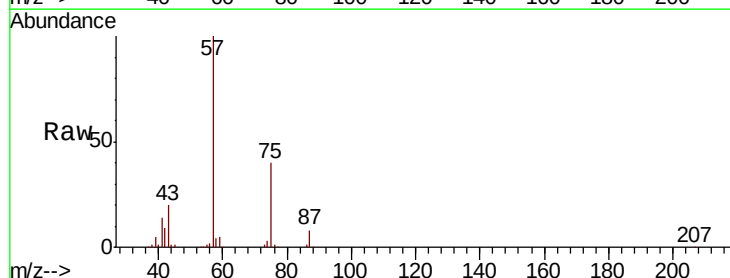
Instrument :  
 MSVOA\_N  
 ClientSampled :

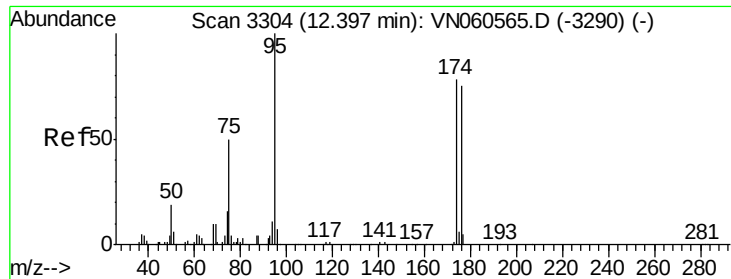
Tot Ion: 76 Resp: 3561  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.8 38.6#



#59  
 2-Hexanone  
 Concen: 21.834 ug/l  
 RT: 10.75 min Scan# 2793  
 Delta R.T. 0.01 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

Tgt Ion: 43 Resp: 50388  
 Ion Ratio Lower Upper  
 43 100  
 58 19.3 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 50.668 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA\_N

ClientSampleId :

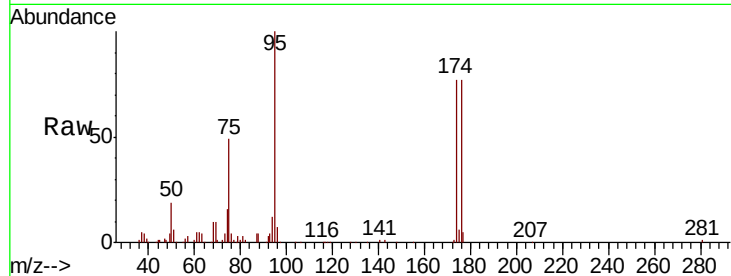
Tot Ion: 95 Resp: 149638

Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.6

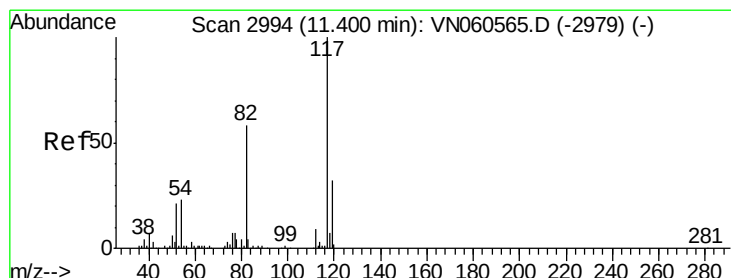
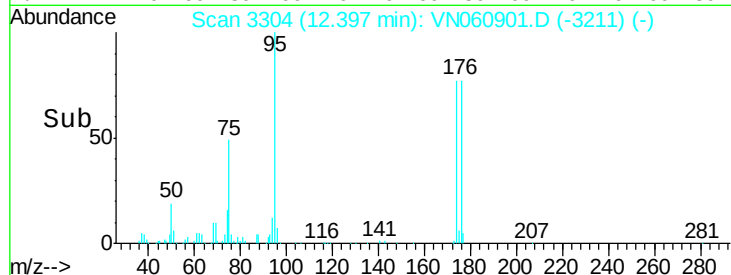
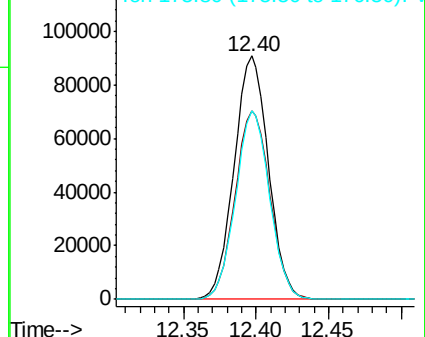
176 76.5 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060901.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060901.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060901.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

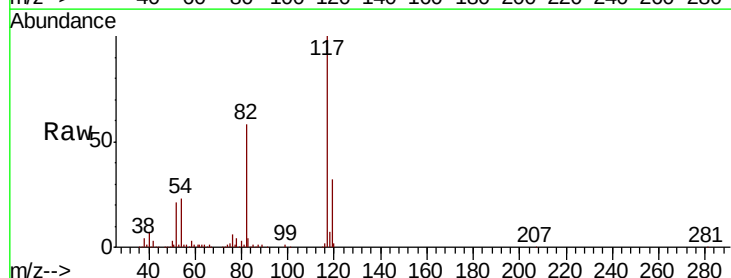
Tgt Ion: 117 Resp: 310328

Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

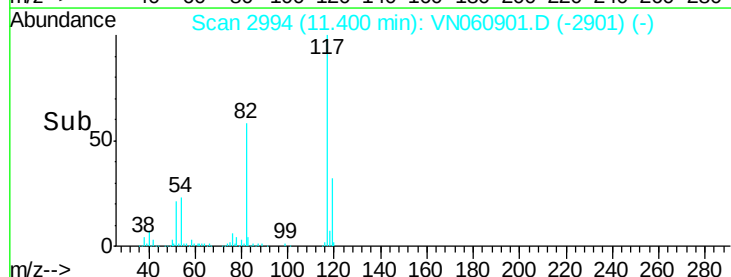
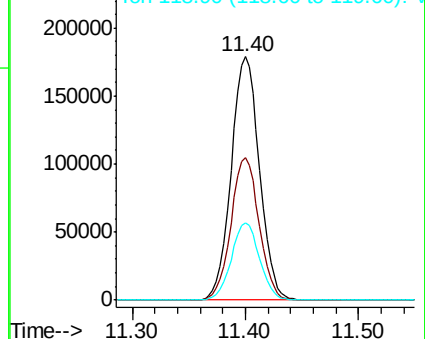
119 31.7 25.5 38.3

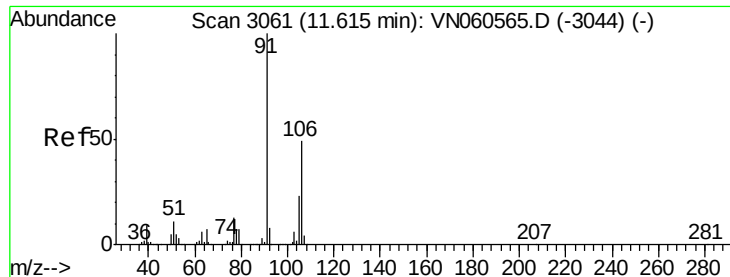


Abundance Ion 116.90 (116.60 to 117.60): VN060901.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060901.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060901.D (-2901) (-)

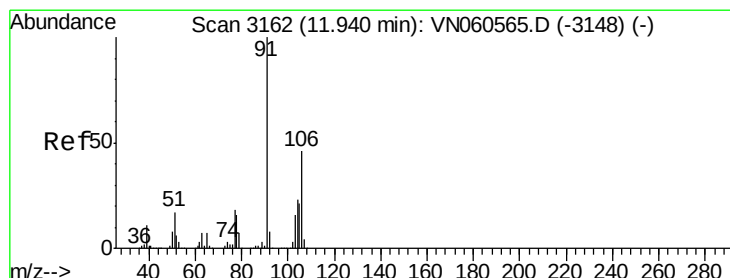
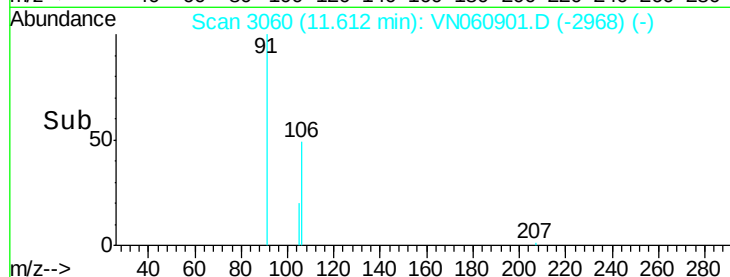
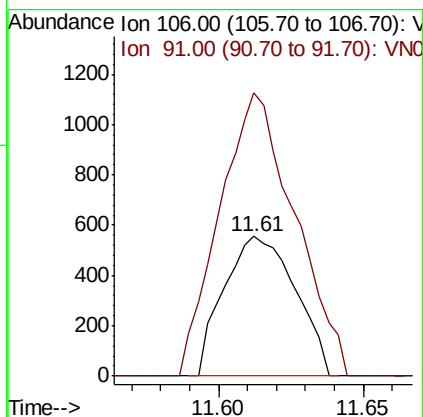
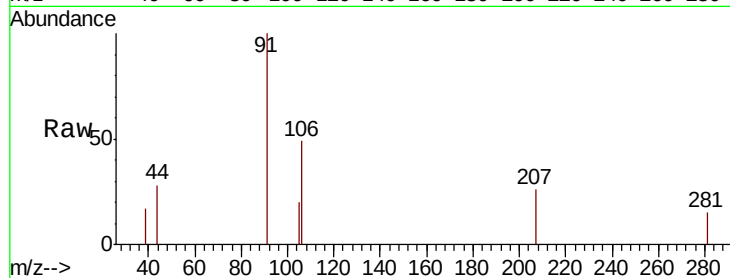




#68  
m/p-Xylenes  
Concen: 0.224 ug/l  
RT: 11.61 min Scan# 3060  
Delta R.T. -0.00 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

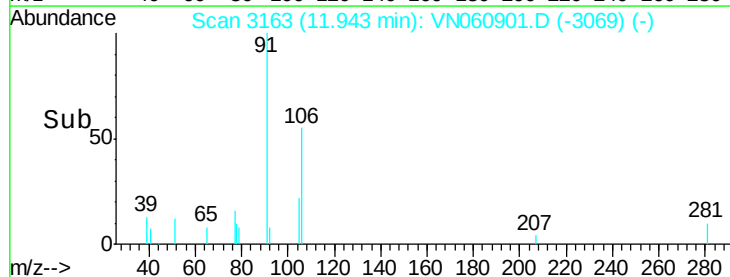
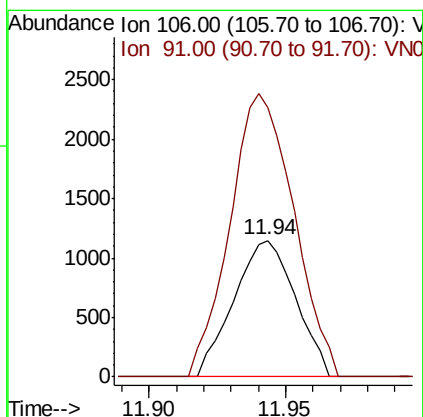
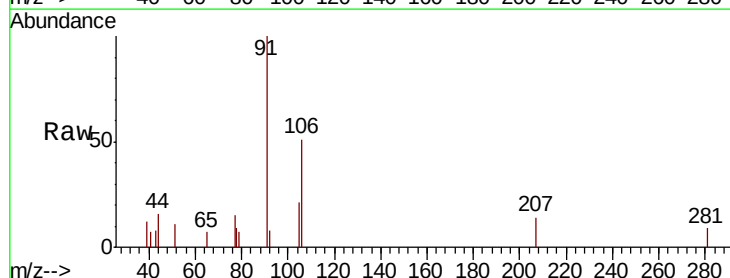
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:106 Resp: 952  
Ion Ratio Lower Upper  
106 100  
91 212.7 165.0 247.4

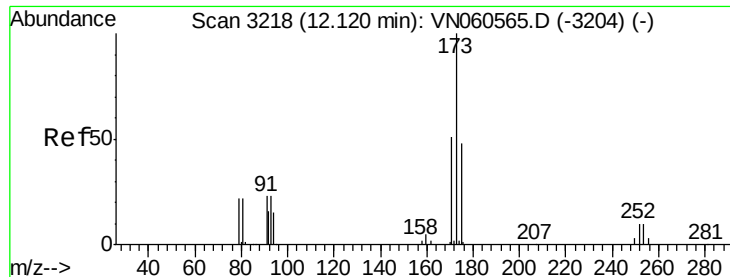


#69  
o-Xylene  
Concen: 0.443 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. 0.00 min  
Lab File: VN060901.D  
Acq: 8 Apr 2020 15:17

Tgt Ion:106 Resp: 1799  
Ion Ratio Lower Upper  
106 100  
91 215.1 109.5 328.4







#71

Bromoform

Concen: 1.985 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA\_N

ClientSampleId :

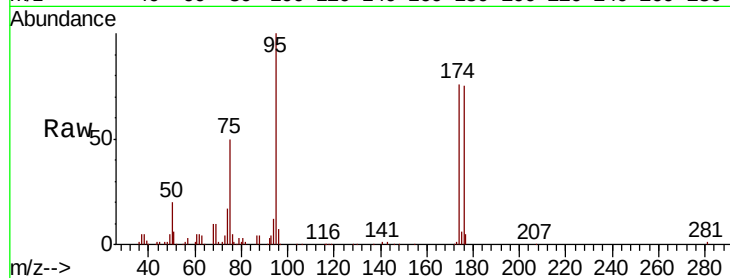
Tot Ion:173 Resp: 584

Ion Ratio Lower Upper

173 100

175 1239.7 24.1 72.4#

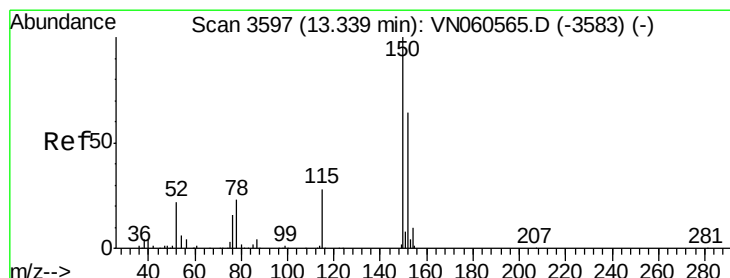
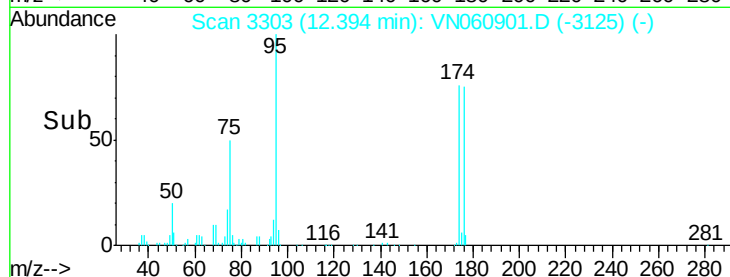
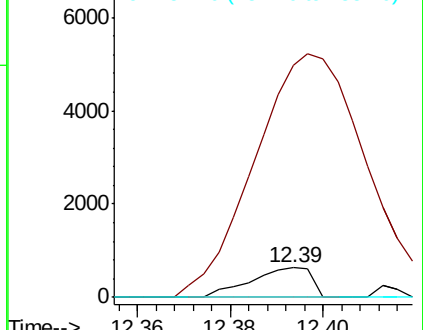
254 0.0 0.0 0.0



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# 3597

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

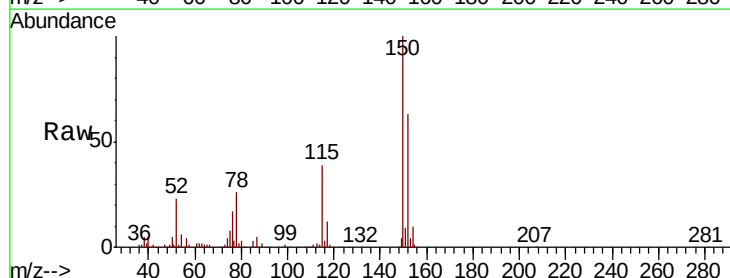
Tgt Ion:152 Resp: 138506

Ion Ratio Lower Upper

152 100

115 61.3 30.2 90.6

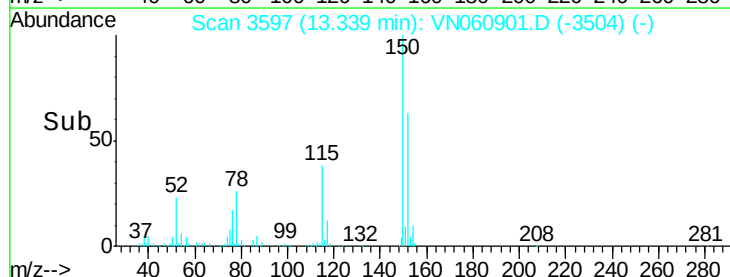
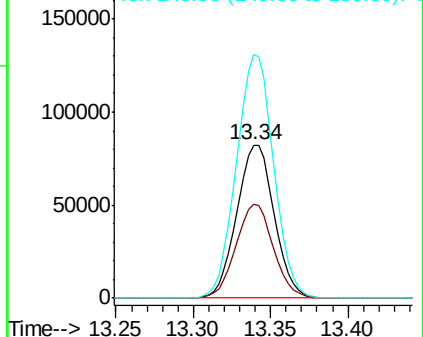
150 157.9 0.0 350.2

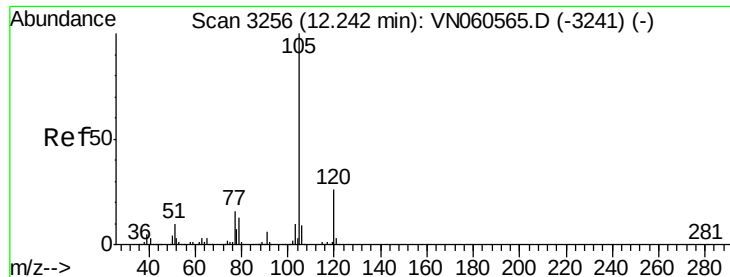


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.445 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA\_N

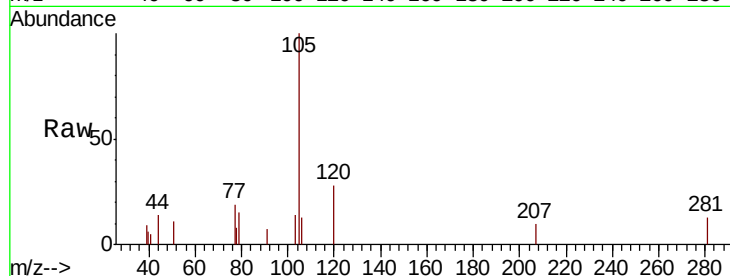
ClientSampled :

Tot Ion: 105 Resp: 4625

Ion Ratio Lower Upper

105 100

120 23.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

2500

2000

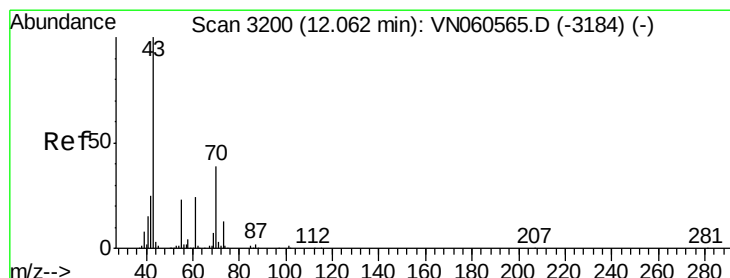
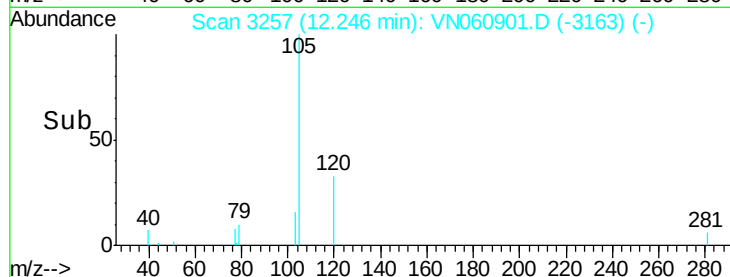
1500

1000

500

0

Time-->



#74

N-ethyl acetate

Concen: 0.523 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Tgt Ion: 43 Resp: 2510

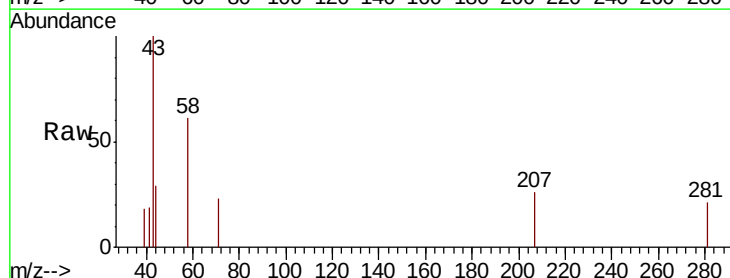
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.02

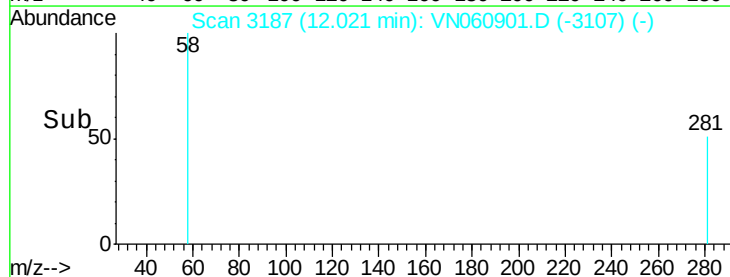
1500

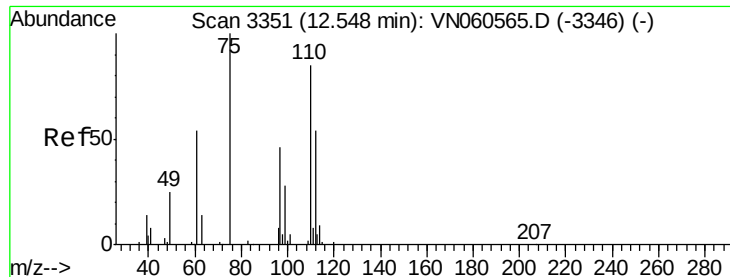
1000

500

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 25.342 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA\_N

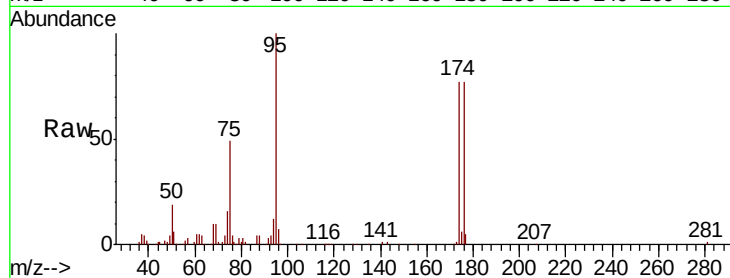
ClientSampled :

Tot Ion: 75 Resp: 75739

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

50000

40000

30000

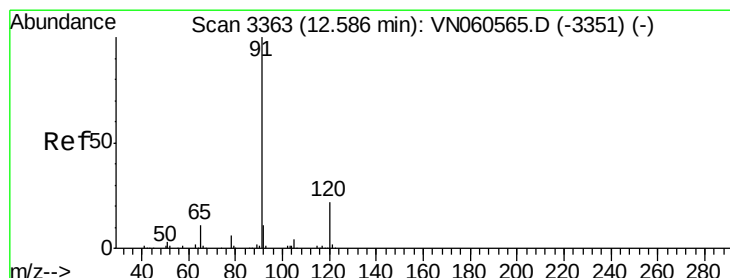
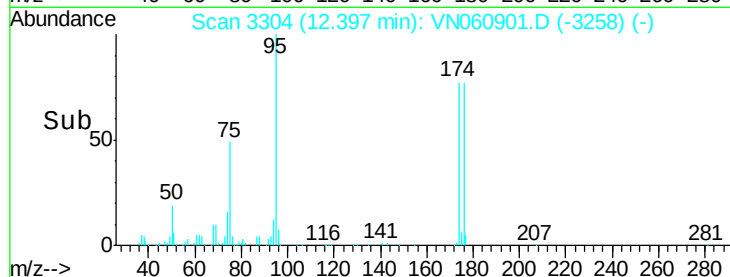
20000

10000

0

Time-->

12.35 12.40 12.45



#78

n-propylbenzene

Concen: 0.926 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060901.D

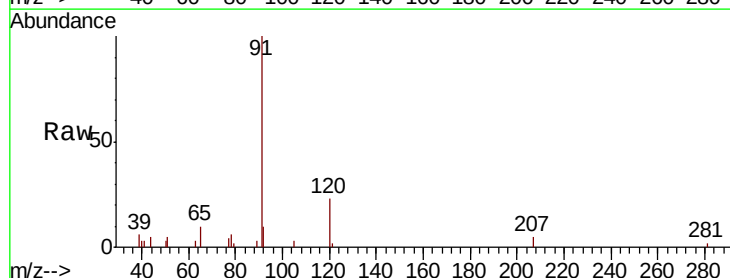
Acq: 8 Apr 2020 15:17

Tgt Ion: 91 Resp: 11375

Ion Ratio Lower Upper

91 100

120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

8000

6000

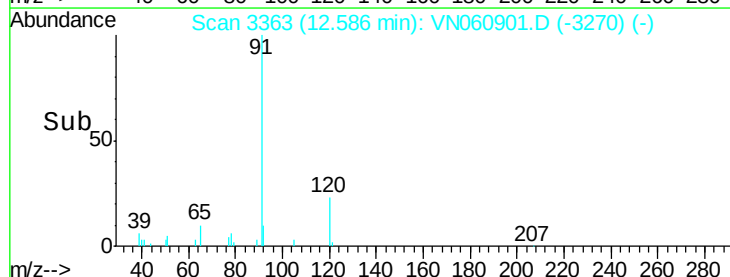
4000

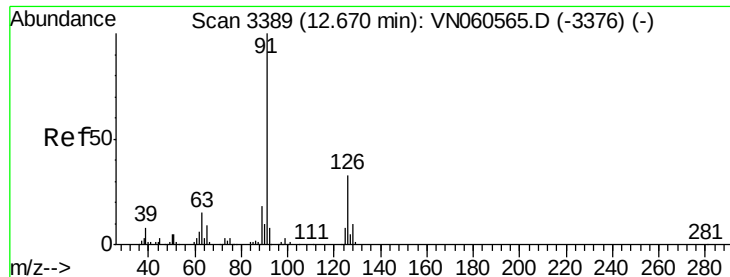
2000

0

Time-->

12.55 12.60

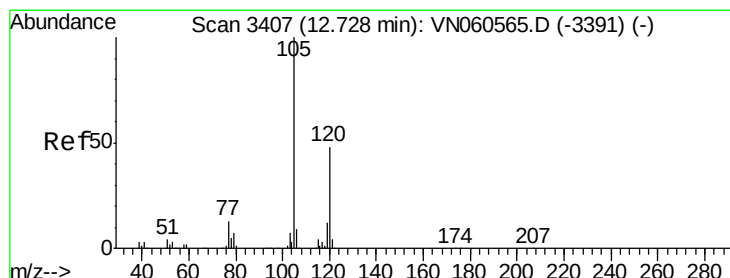
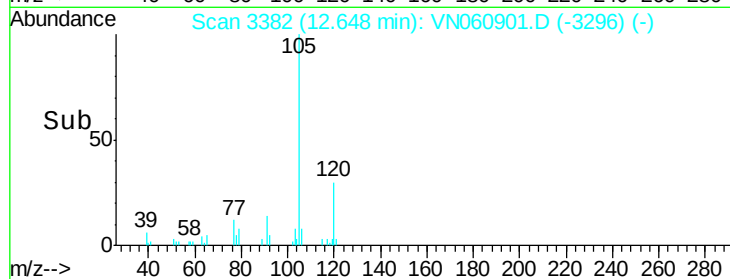
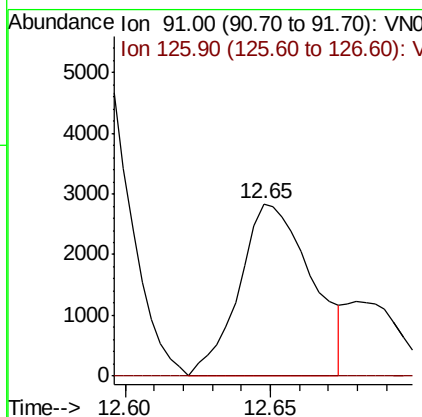
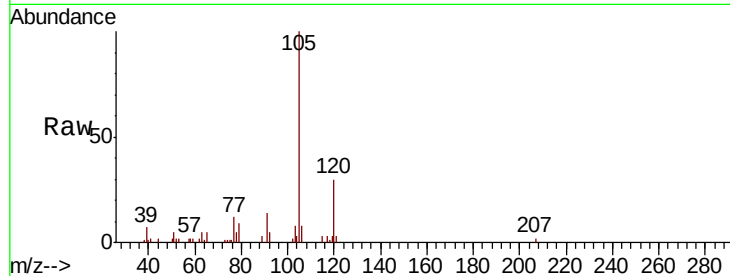




#79  
 2-Chlorotoluene  
 Concen: 0.671 ug/l  
 RT: 12.65 min Scan# 3382  
 Delta R.T. -0.02 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

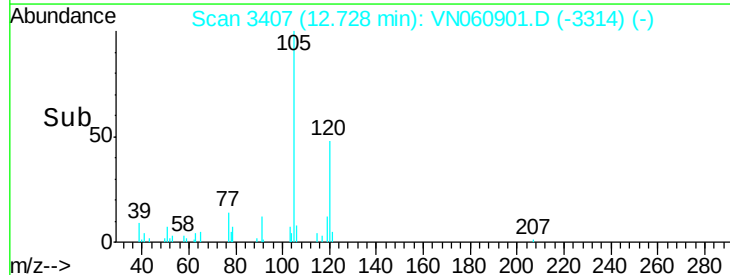
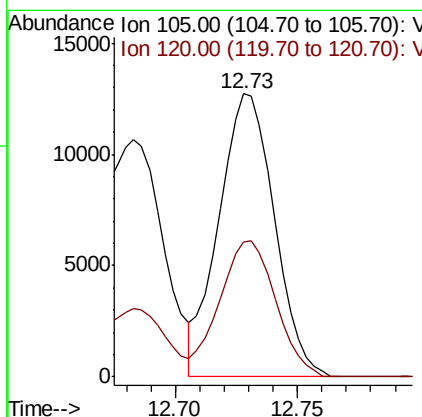
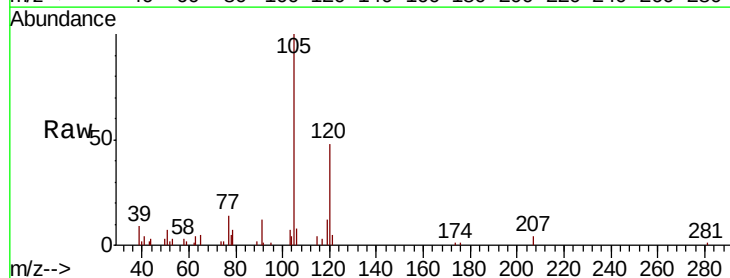
Instrument :  
 MSVOA\_N  
 ClientSampled :

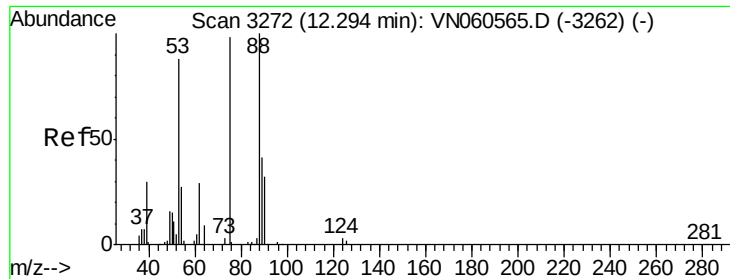
Tot Ion: 91 Resp: 4923  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 16.4 49.1#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.284 ug/l  
 RT: 12.73 min Scan# 3407  
 Delta R.T. -0.00 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

Tgt Ion: 105 Resp: 20146  
 Ion Ratio Lower Upper  
 105 100  
 120 48.6 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 65.086 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA\_N

ClientSampleId :

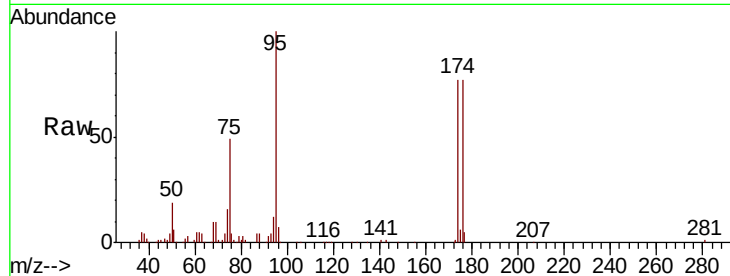
Tot Ion: 75 Resp: 75739

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

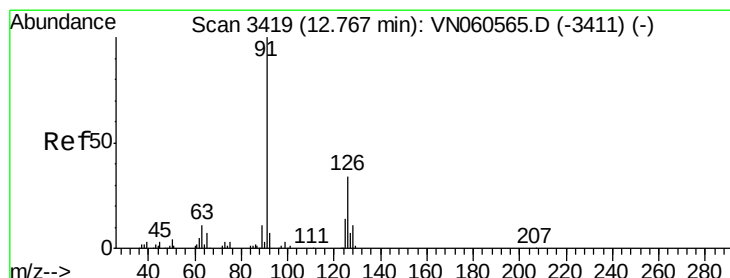
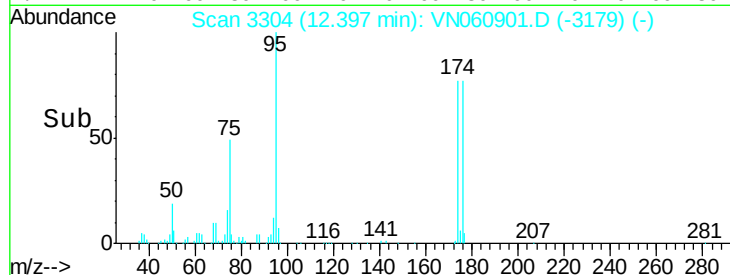
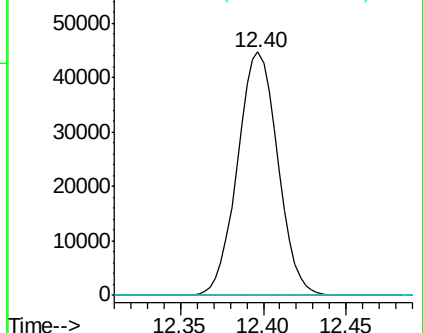
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060901.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060901.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060901.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 0.310 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.04 min

Lab File: VN060901.D

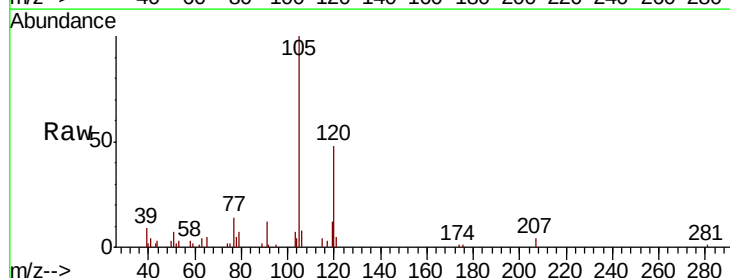
Acq: 8 Apr 2020 15:17

Tgt Ion: 91 Resp: 2318

Ion Ratio Lower Upper

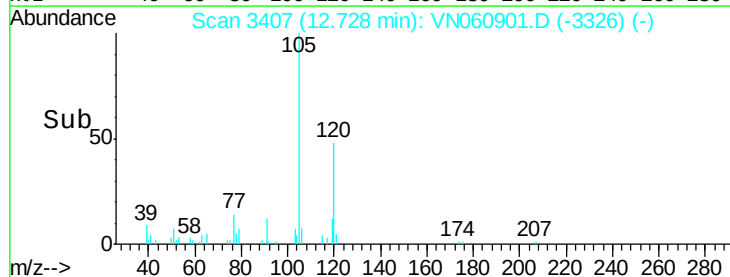
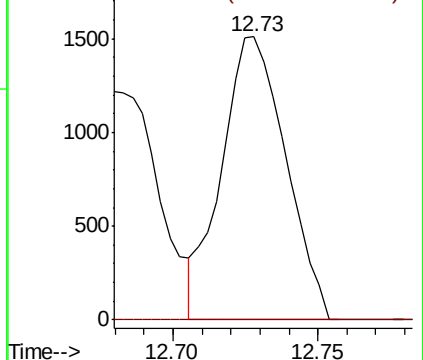
91 100

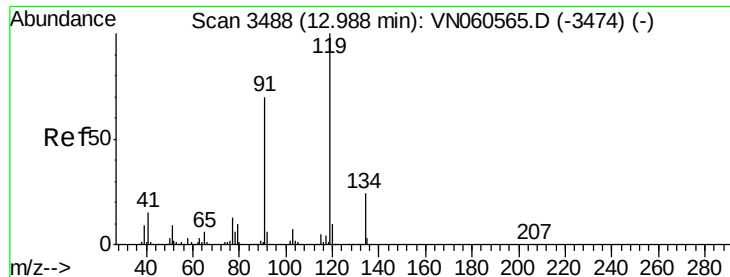
126 0.0 16.2 48.5#



Abundance Ion 91.00 (90.70 to 91.70): VN060901.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN060901.D (-3326) (-)

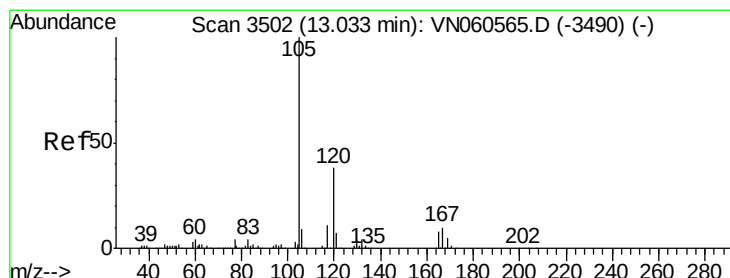
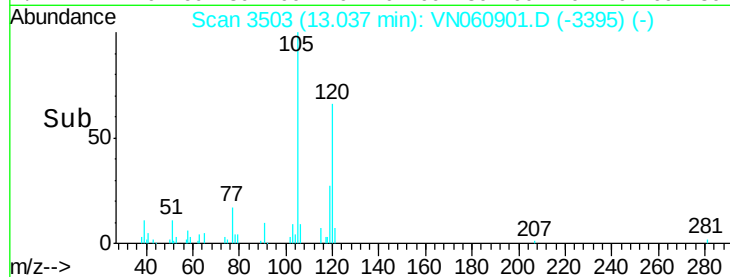
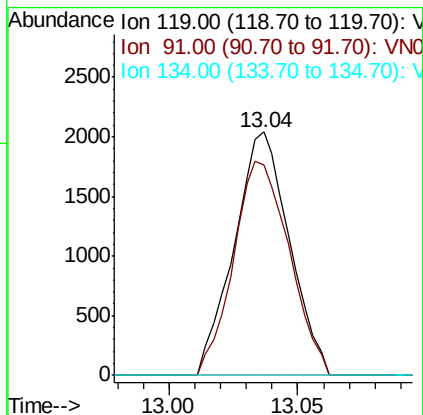
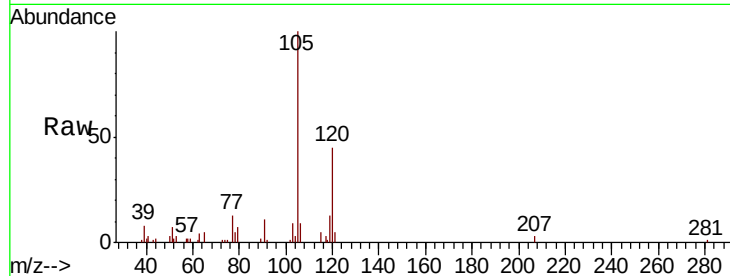




#83  
 tert-Butylbenzene  
 Concen: 0.417 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. 0.05 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

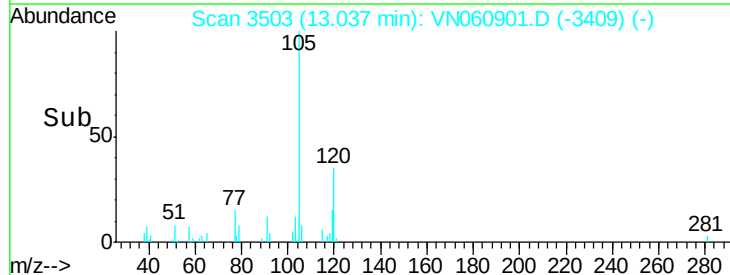
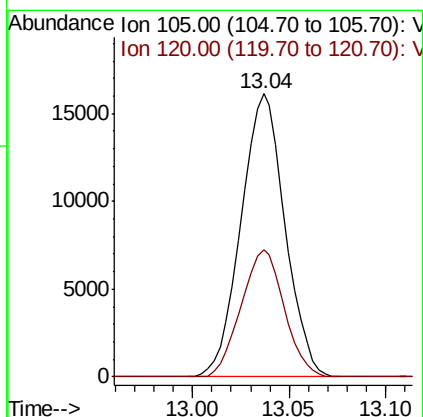
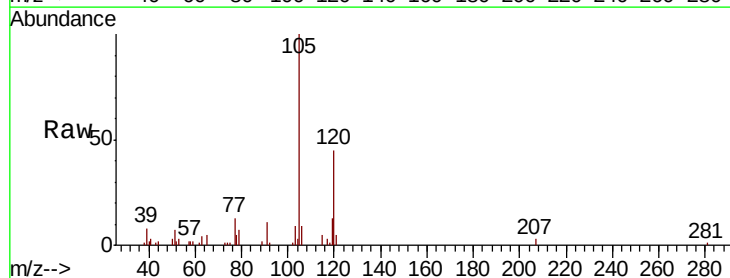
Instrument :  
 MSVOA\_N  
 ClientSampled :

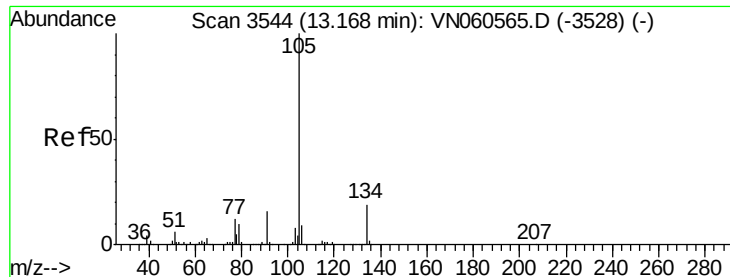
Tot Ion:119 Resp: 3050  
 Ion Ratio Lower Upper  
 119 100  
 91 88.8 34.0 101.8  
 134 0.0 12.7 38.0#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.917 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. 0.00 min  
 Lab File: VN060901.D  
 Acq: 8 Apr 2020 15:17

Tgt Ion:105 Resp: 25455  
 Ion Ratio Lower Upper  
 105 100  
 120 44.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 2.589 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.13 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA\_N

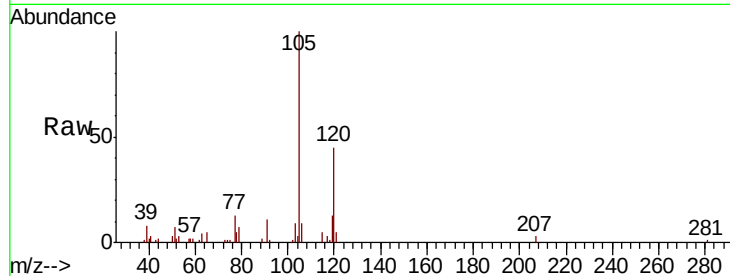
ClientSampleId :

Tot Ion:105 Resp: 25455

Ion Ratio Lower Upper

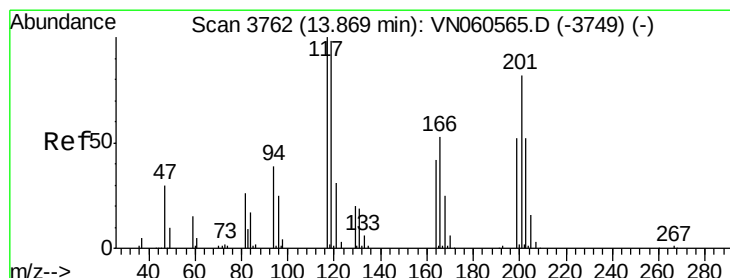
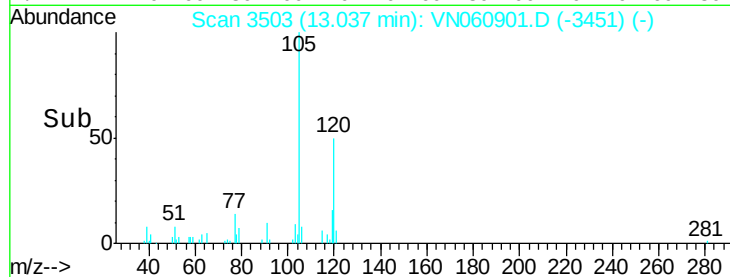
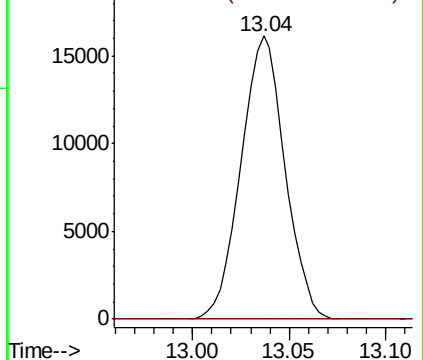
105 100

134 0.0 9.6 28.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.483 ug/l

RT: 13.99 min Scan# 3801

Delta R.T. 0.13 min

Lab File: VN060901.D

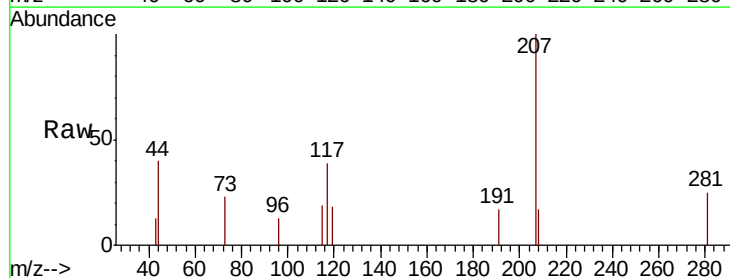
Acq: 8 Apr 2020 15:17

Tgt Ion:117 Resp: 621

Ion Ratio Lower Upper

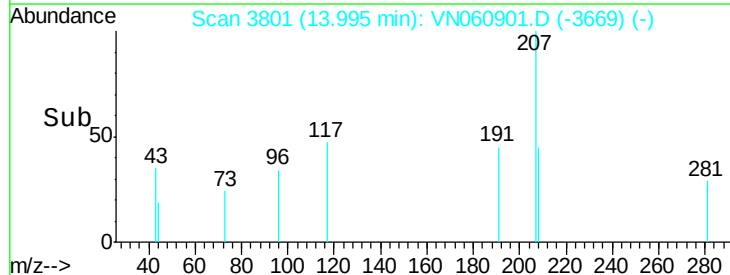
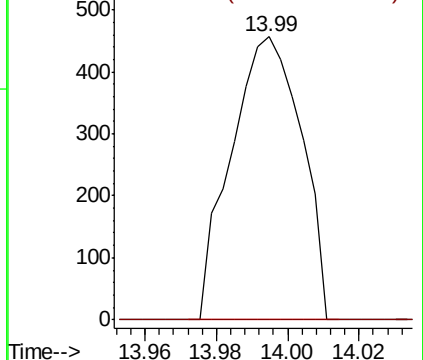
117 100

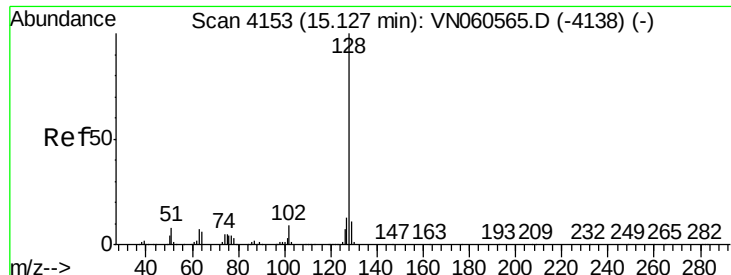
201 0.0 40.8 122.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 1.372 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

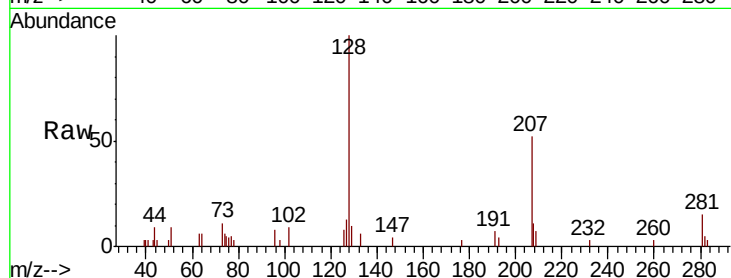
Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA\_N

ClientSampleId :



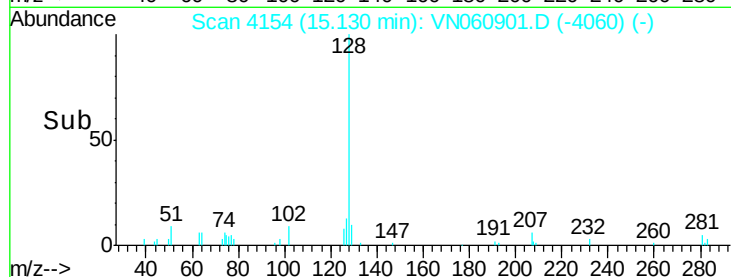
Tot Ion:128 Resp: 10707

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.0 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

