

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN081319\  
 Data File : VN057273.D  
 Acq On : 14 Aug 2019 2:18  
 Operator : JC/SP  
 Sample : K4266-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 R1-R2-A1-(0)

Quant Time: Aug 14 06:37:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081319W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 14 06:25:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1498744  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 2102685  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1801912  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 496846   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.02   | 65  | 702424   | 46.46 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.92%  |      |
| 35) Dibromofluoromethane    | 7.58   | 113 | 630473   | 46.96 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.92%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 2483192  | 50.71 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.42% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 677417   | 40.34 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 80.68%  |      |

| Target Compounds               |       |     |        |               | Qvalue |
|--------------------------------|-------|-----|--------|---------------|--------|
| 8) Diethyl Ether               | 3.41  | 74  | 2931   | 0.370 ug/l #  | 11     |
| 11) Tert butyl alcohol         | 4.74  | 59  | 7669   | 3.767 ug/l #  | 87     |
| 16) Acetone                    | 3.81  | 43  | 36379  | 7.018 ug/l    | 98     |
| 18) Methyl Acetate             | 4.31  | 43  | 58531  | 3.293 ug/l    | 97     |
| 20) Methylene Chloride         | 4.54  | 84  | 54781  | 3.618 ug/l    | 94     |
| 25) 2-Butanone                 | 6.82  | 43  | 1878   | 0.255 ug/l    | 92     |
| 29) Tetrahydrofuran            | 7.22  | 42  | 1413   | 0.300 ug/l #  | 76     |
| 31) Cyclohexane                | 7.66  | 56  | 21377  | 0.998 ug/l #  | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75  | 89065  | 4.845 ug/l #  | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117 | 129776 | 6.646 ug/l #  | 15     |
| 43) Isopropyl Acetate          | 8.17  | 43  | 385206 | 15.830 ug/l # | 74     |
| 45) 1,2-Dichloropropane        | 9.26  | 63  | 4585   | 0.324 ug/l #  | 43     |
| 48) Methyl methacrylate        | 9.17  | 41  | 11842  | 1.052 ug/l #  | 10     |
| 49) 1,4-Dioxane                | 9.27  | 88  | 419    | 1.651 ug/l #  | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43  | 12396  | 0.868 ug/l    | 94     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75  | 99188  | 4.474 ug/l #  | 60     |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 15942  | 0.712 ug/l #  | 42     |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63  | 67     | 20.537 ug/l # | 45     |
| 59) 2-Hexanone                 | 10.76 | 43  | 216149 | 21.320 ug/l # | 49     |
| 73) Isopropylbenzene           | 12.25 | 105 | 29     | Below Cal #   | 47     |
| 74) N-amyl acetate             | 12.03 | 43  | 9223   | Below Cal #   | 42     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.52 | 83  | 61     | Below Cal #   | 26     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 313670 | 35.019 ug/l # | 100    |
| 77) Bromobenzene               | 12.41 | 156 | 140    | Below Cal #   | 1      |
| 78) n-propylbenzene            | 12.59 | 91  | 437    | Below Cal #   | 51     |
| 79) 2-Chlorotoluene            | 12.77 | 91  | 229    | Below Cal     | 94     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 2025   | Below Cal     | 95     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 313670 | 84.798 ug/l # | 16     |
| 83) tert-Butylbenzene          | 12.99 | 119 | 261    | Below Cal #   | 28     |
| 85) sec-Butylbenzene           | 13.17 | 105 | 359    | Below Cal #   | 55     |
| 90) Hexachloroethane           | 13.62 | 117 | 64     | Below Cal #   | 1      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180 | 161    | 3.269 ug/l #  | 1      |
| 95) Naphthalene                | 15.13 | 128 | 320    | Below Cal #   | 69     |
| 96) 1,2,3-Trichlorobenzene     | 15.30 | 180 | 118    | 4.255 ug/l #  | 51     |

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QLast Update : Wed Aug 14 06:25:03 2019  
Response via : Initial Calibration

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

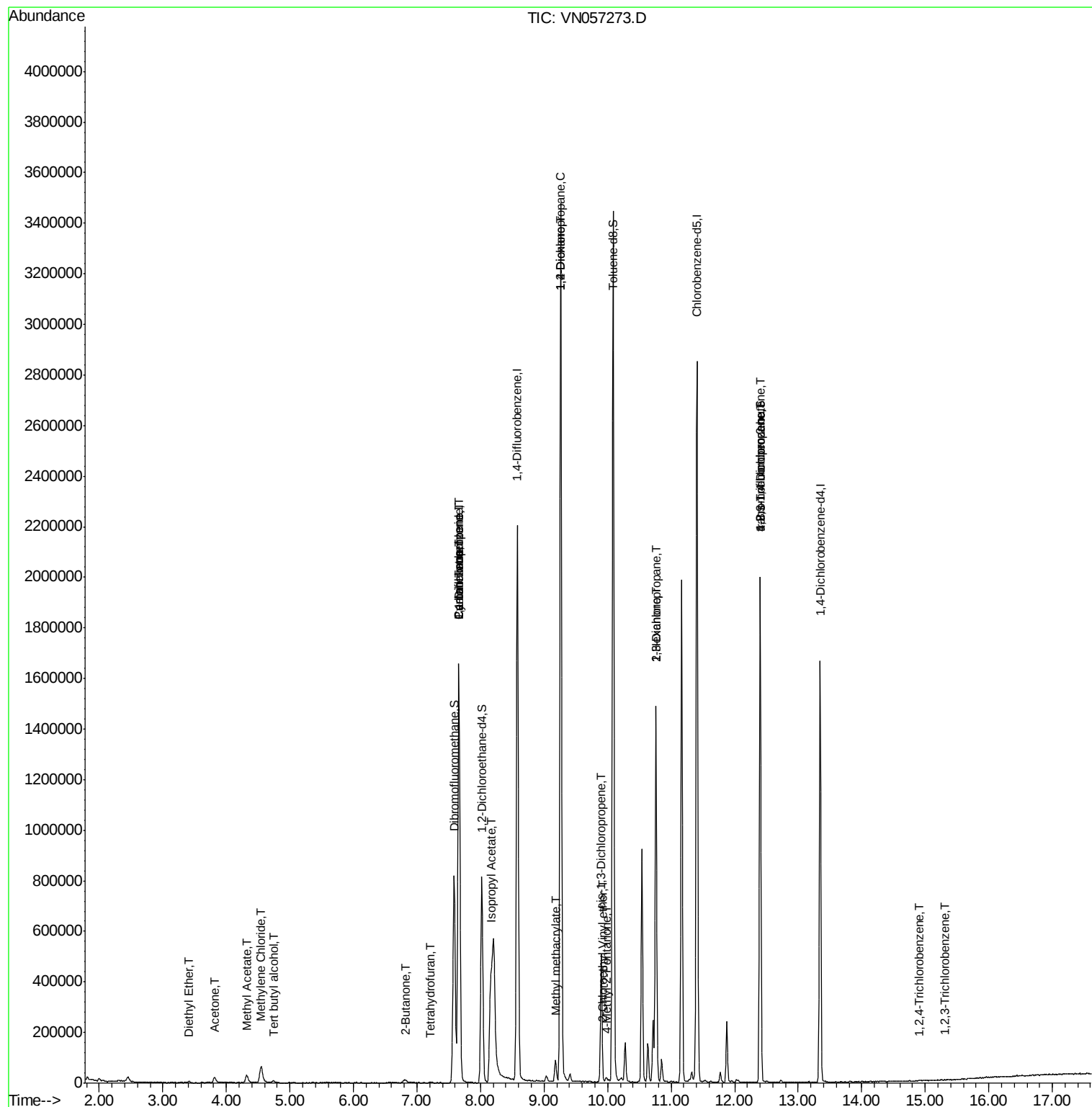
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| ----- | ----- | ----- | ----- | ----- | ----- | ----- |

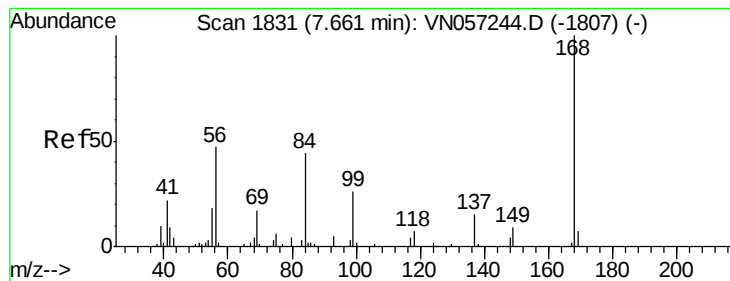
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K4266-02  
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Quant Time: Aug 14 06:37:16 2019  
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Quant Title : SW846 8260  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

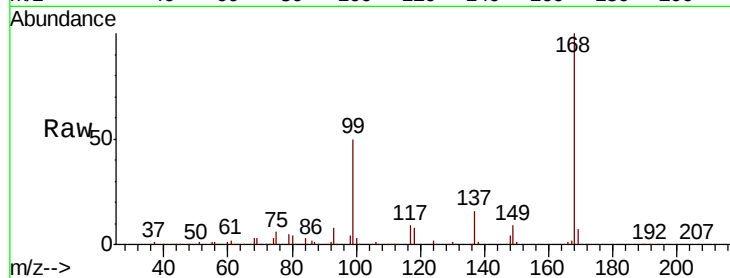
R1-R2-A1-(0)

Tgt Ion:168 Resp: 1498744

Ion Ratio Lower Upper

168 100

99 50.0 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

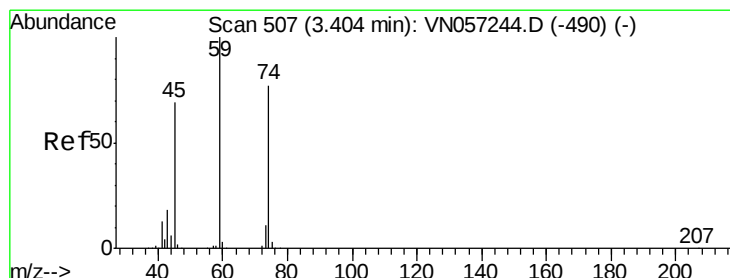
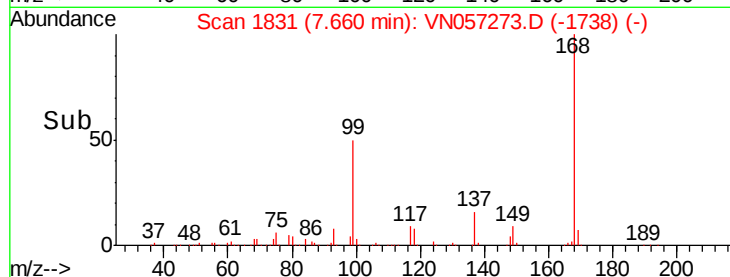
600000

400000

200000

0

Time-->



#8

Diethyl Ether

Concen: 0.370 ug/l

RT: 3.41 min Scan# 508

Delta R.T. 0.00 min

Lab File: VN057273.D

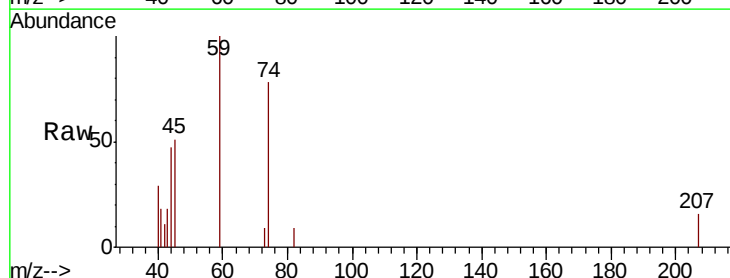
Acq: 14 Aug 2019 2:18

Tgt Ion: 74 Resp: 2931

Ion Ratio Lower Upper

74 100

45 6.0 45.1 135.2#



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

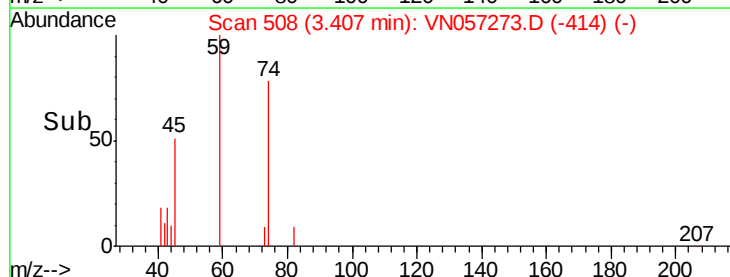
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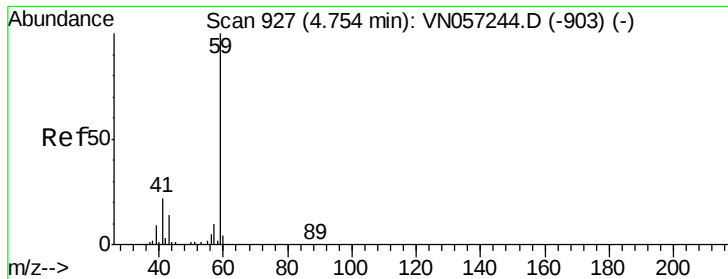
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0

Time-->



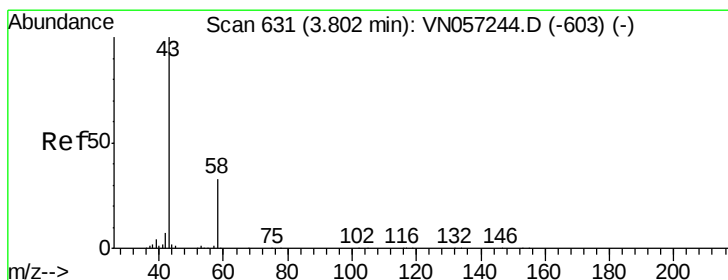
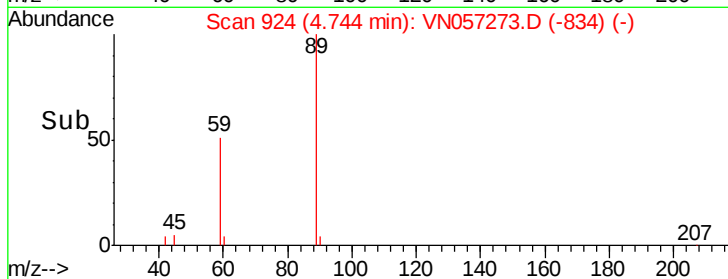
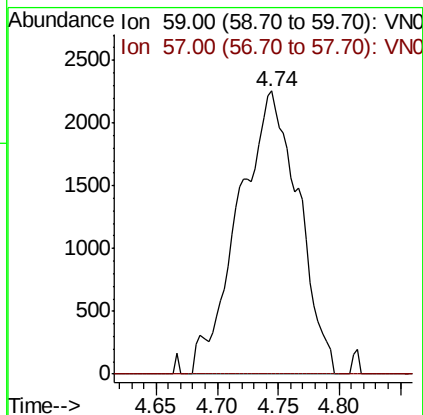
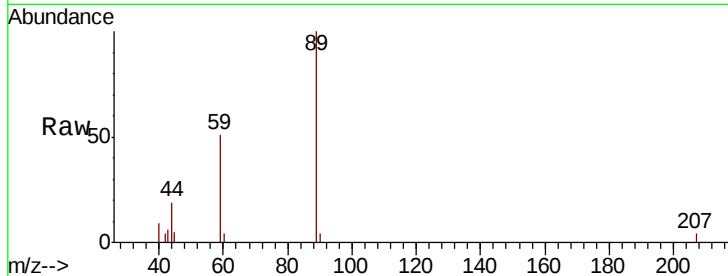


#11

Tert butyl alcohol  
 Concen: 3.767 ug/l  
 RT: 4.74 min Scan# 924  
 Delta R.T. -0.01 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 R1-R2-A1-(0)

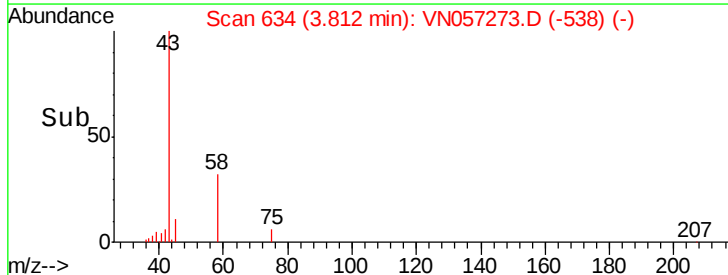
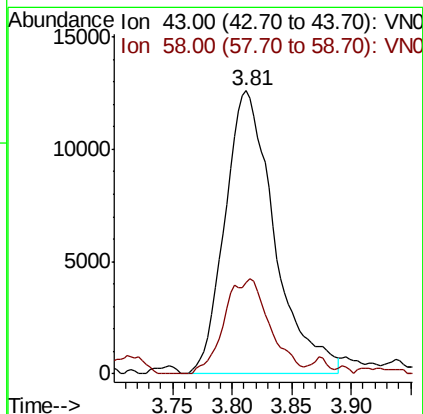
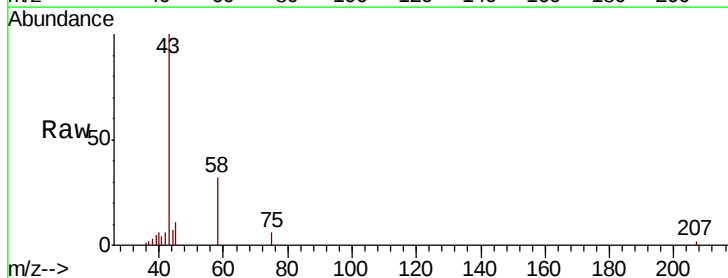
Tgt Ion: 59 Resp: 7669  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 3.4 5.2#

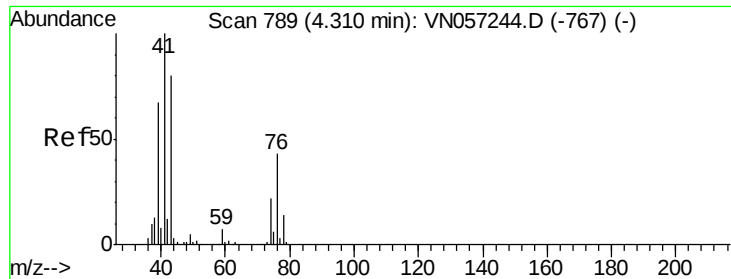


#16

Acetone  
 Concen: 7.018 ug/l  
 RT: 3.81 min Scan# 634  
 Delta R.T. 0.01 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

Tgt Ion: 43 Resp: 36379  
 Ion Ratio Lower Upper  
 43 100  
 58 32.2 26.7 40.1

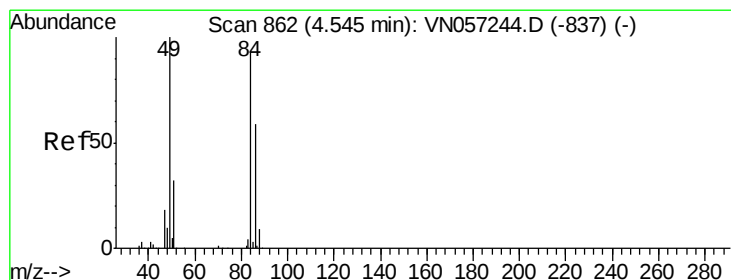
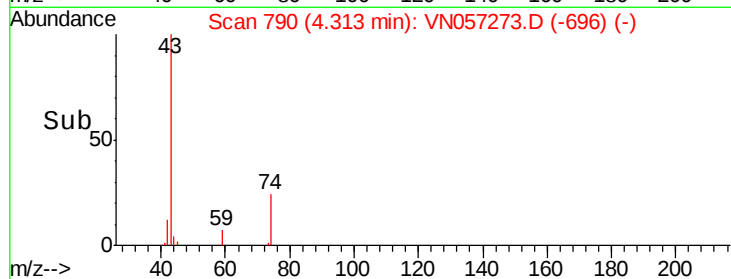
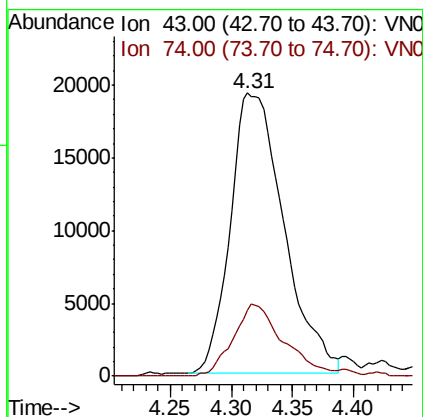
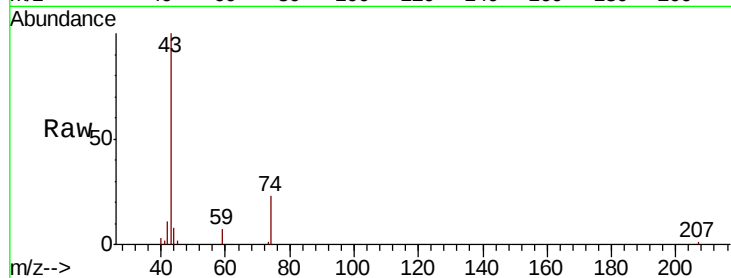




#18  
Methyl Acetate  
Concen: 3.293 ug/l  
RT: 4.31 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: VN057273.D  
Acq: 14 Aug 2019 2:18

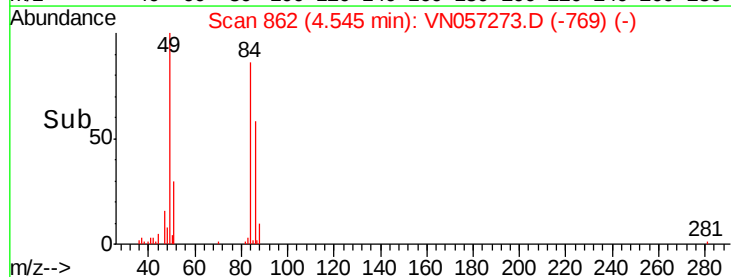
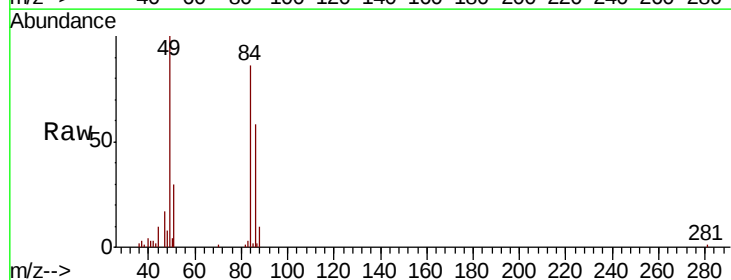
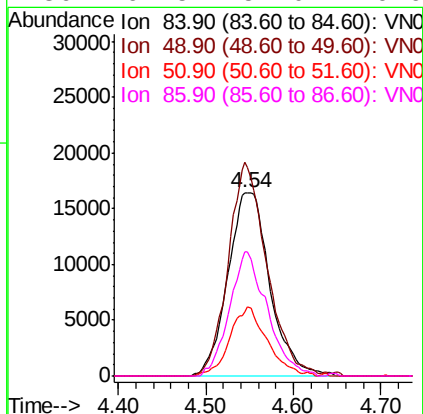
Instrument :  
MSVOA\_N  
ClientSampleId :  
R1-R2-A1-(0)

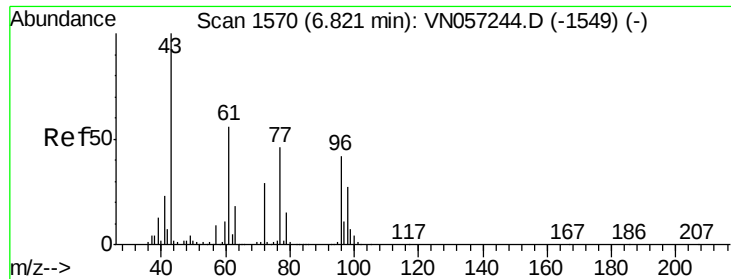
Tgt Ion: 43 Resp: 58531  
Ion Ratio Lower Upper  
43 100  
74 24.1 20.6 31.0



#20  
Methylene Chloride  
Concen: 3.618 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VN057273.D  
Acq: 14 Aug 2019 2:18

Tgt Ion: 84 Resp: 54781  
Ion Ratio Lower Upper  
84 100  
49 116.3 85.9 128.9  
51 35.2 27.1 40.7  
86 67.5 51.0 76.6

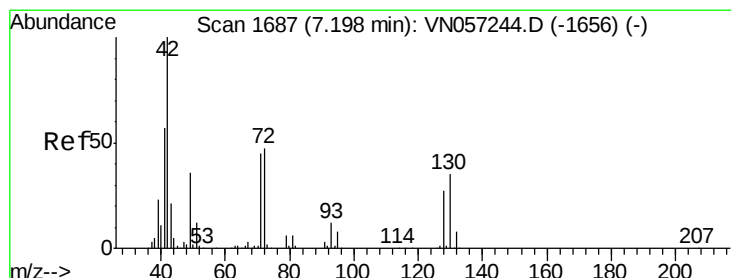
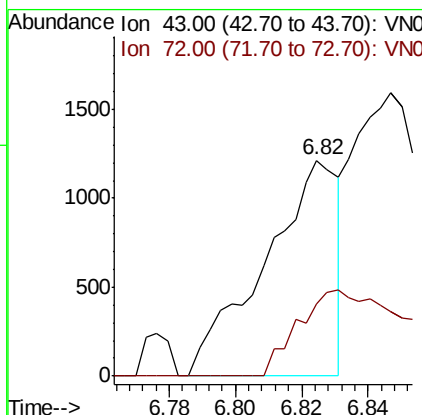
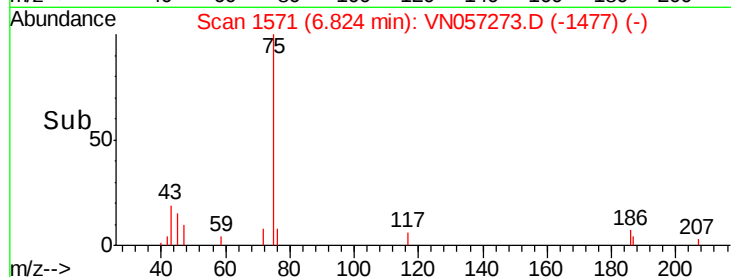
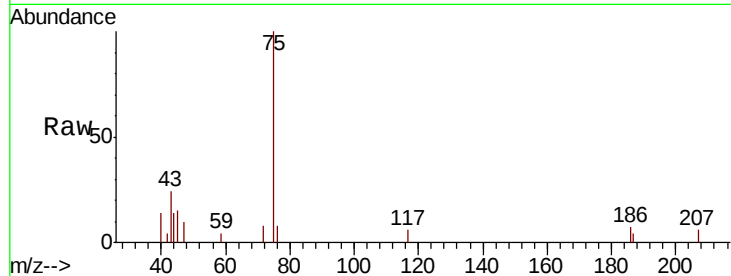




#25  
 2-Butanone  
 Concen: 0.255 ug/l  
 RT: 6.82 min Scan# 1571  
 Delta R.T. 0.00 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

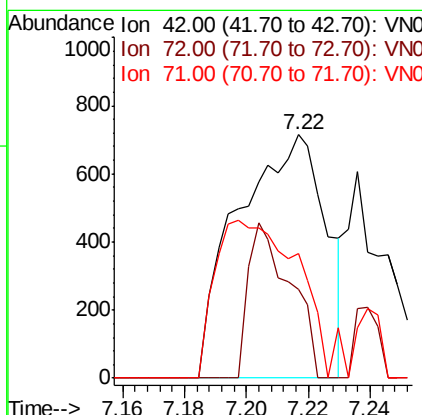
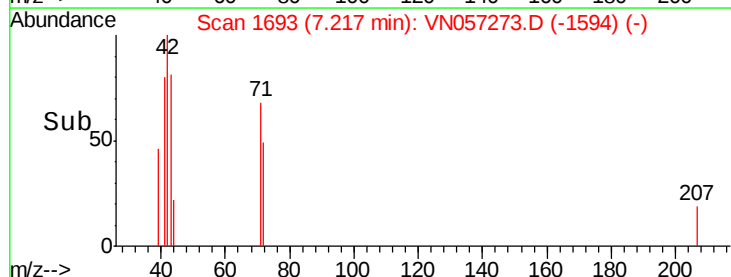
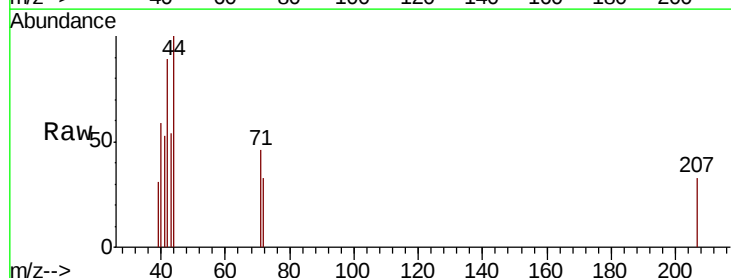
Instrument :  
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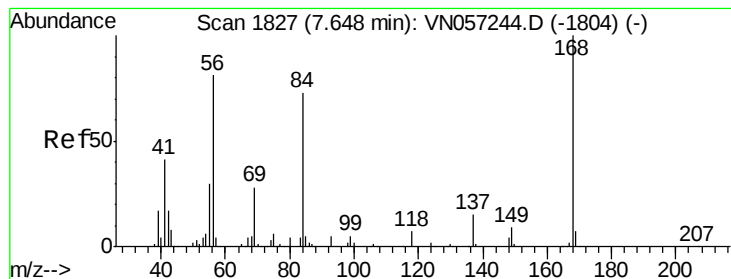
Tgt Ion: 43 Resp: 1878  
 Ion Ratio Lower Upper  
 43 100  
 72 33.2 23.1 34.7



#29  
 Tetrahydrofuran  
 Concen: 0.300 ug/l  
 RT: 7.22 min Scan# 1693  
 Delta R.T. 0.02 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

Tgt Ion: 42 Resp: 1413  
 Ion Ratio Lower Upper  
 42 100  
 72 30.6 37.6 56.4#  
 71 60.1 35.6 53.4#





#31

Cyclohexane

Concen: 0.998 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampled :

R1-R2-A1-(0)

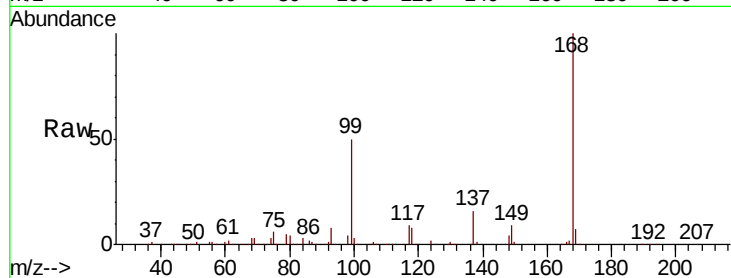
Tgt Ion: 56 Resp: 21377

Ion Ratio Lower Upper

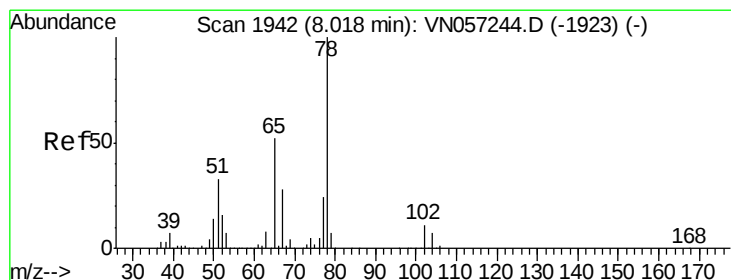
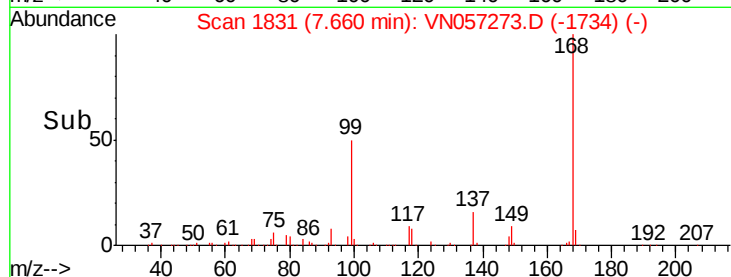
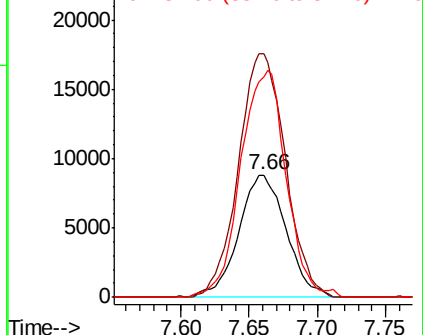
56 100

69 199.2 27.8 41.8#

84 181.0 72.0 108.0#



Abundance Ion 56.00 (55.70 to 56.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 46.460 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057273.D

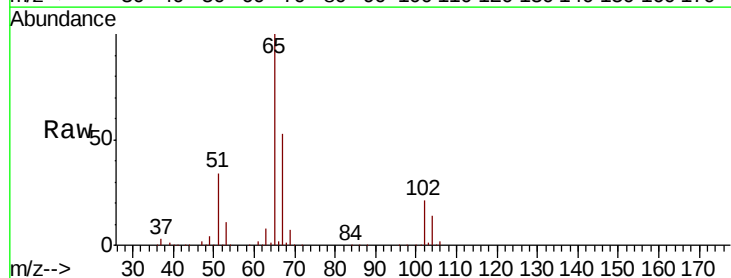
Acq: 14 Aug 2019 2:18

Tgt Ion: 65 Resp: 702424

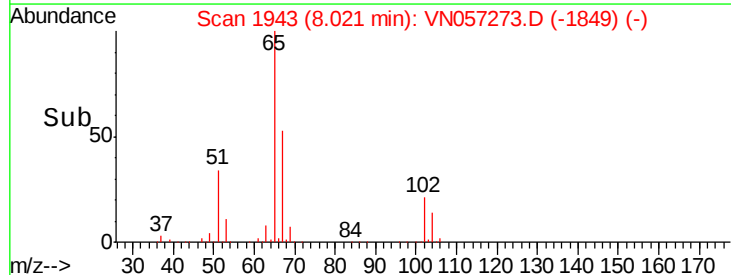
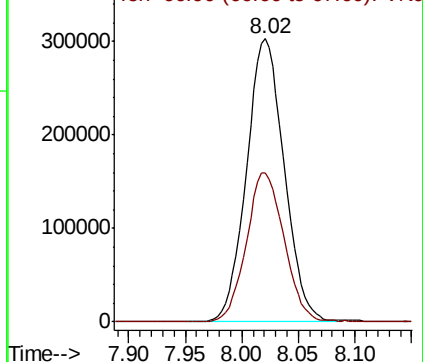
Ion Ratio Lower Upper

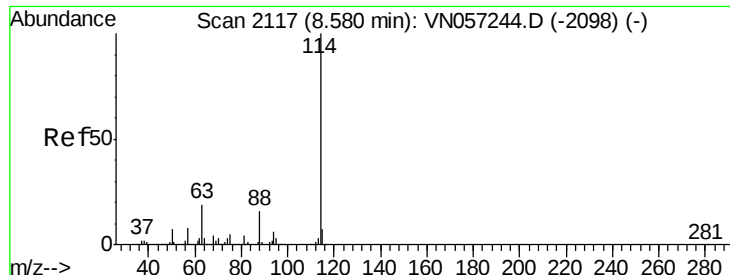
65 100

67 52.7 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VNC  
Ion 66.90 (66.60 to 67.60): VNC

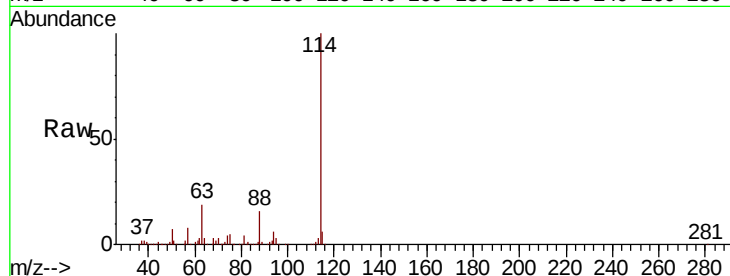




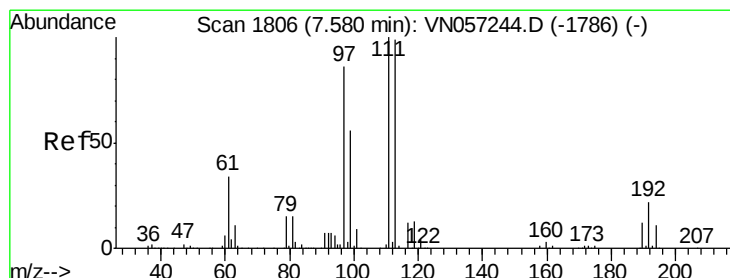
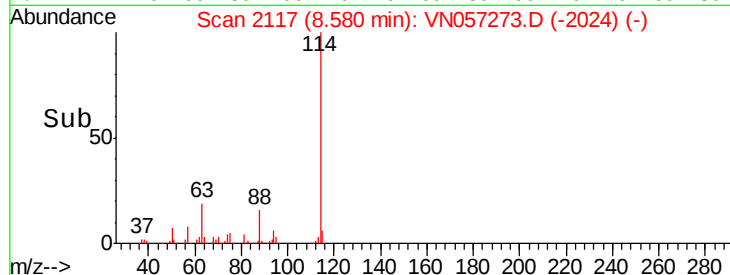
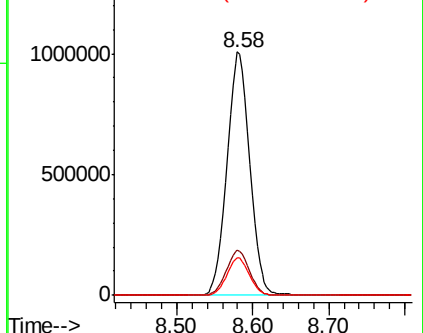
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.58 min Scan# 2117  
Delta R.T. -0.00 min  
Lab File: VN057273.D  
Acq: 14 Aug 2019 2:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
R1-R2-A1-(0)

Tgt Ion:114 Resp: 2102685  
Ion Ratio Lower Upper  
114 100  
63 18.7 0.0 37.0  
88 15.5 0.0 31.0

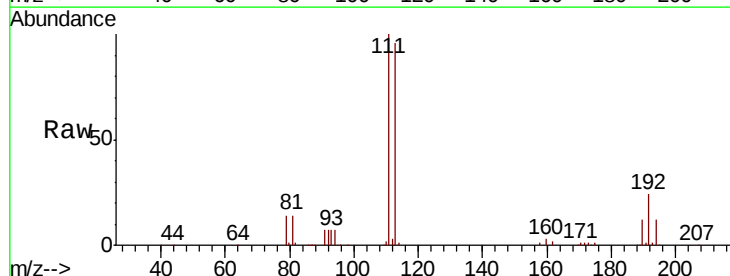


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

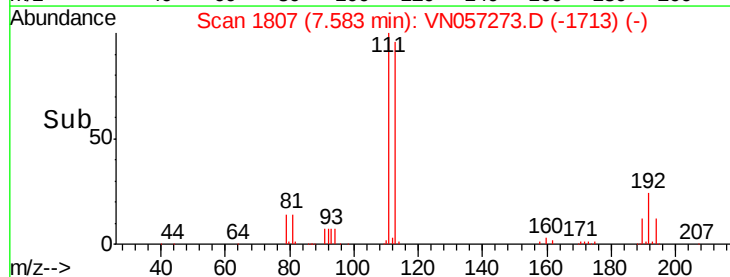
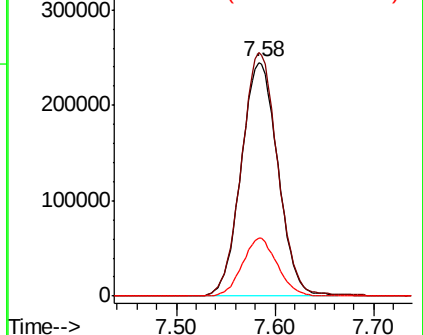


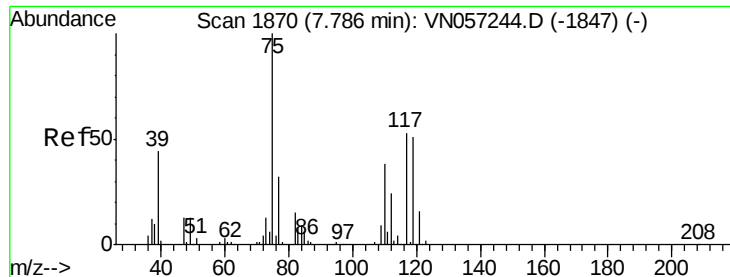
#35  
Dibromofluoromethane  
Concen: 46.959 ug/l  
RT: 7.58 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VN057273.D  
Acq: 14 Aug 2019 2:18

Tgt Ion:113 Resp: 630473  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.4 122.2  
192 23.7 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

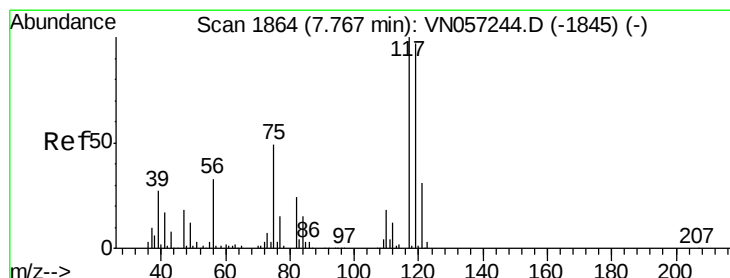
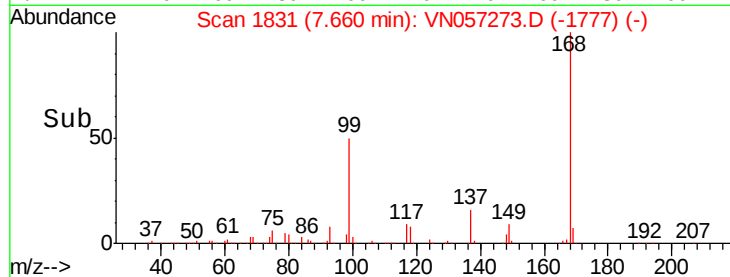
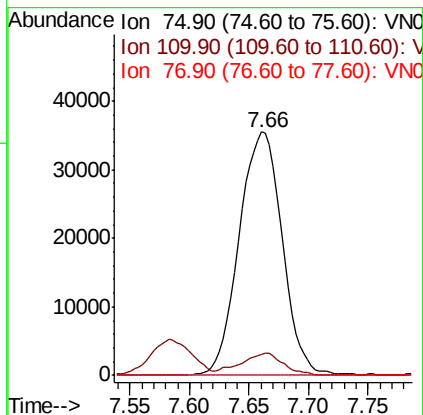
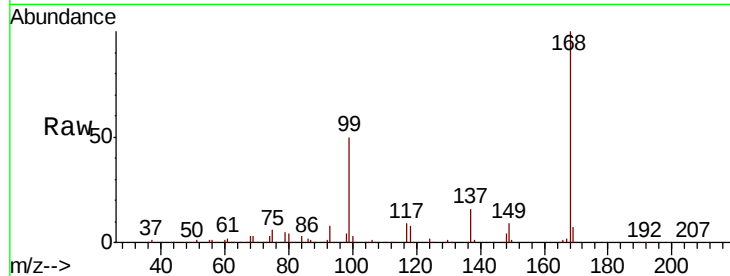




#36  
 1,1-Dichloropropene  
 Concen: 4.845 ug/l  
 RT: 7.66 min Scan# 1831  
 Delta R.T. -0.13 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

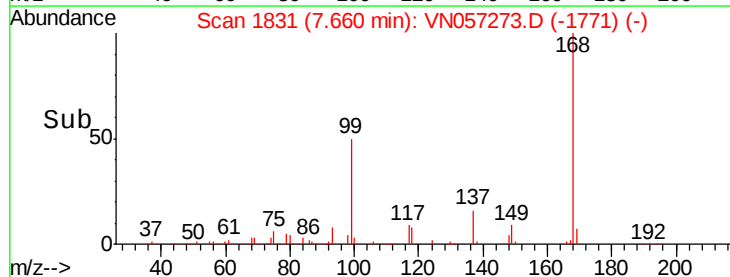
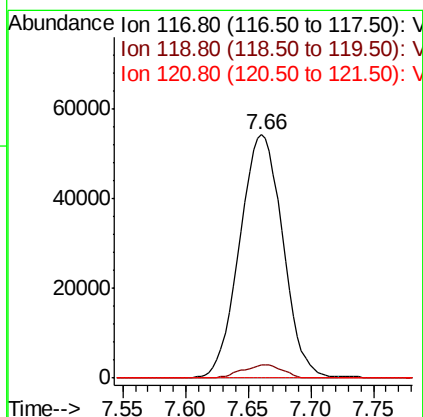
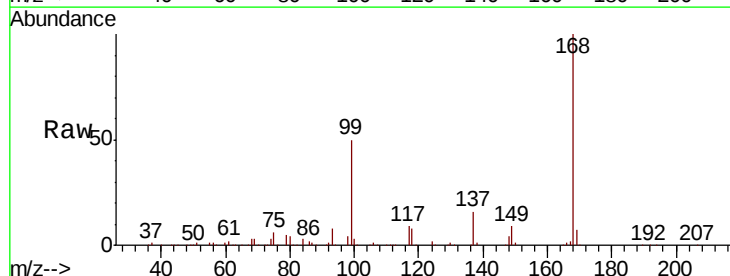
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 R1-R2-A1-(0)

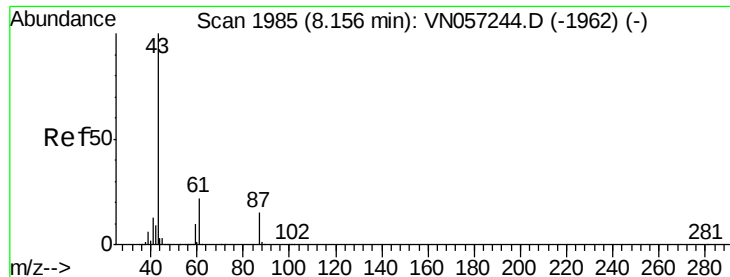
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.1   | 19.1  | 57.1# |
| 77      | 0.0   | 25.2  | 37.8# |



#38  
 Carbon Tetrachloride  
 Concen: 6.646 ug/l  
 RT: 7.66 min Scan# 1831  
 Delta R.T. -0.11 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.2   | 77.8  | 116.6# |
| 121     | 0.0   | 24.9  | 37.3#  |





#43

Isopropyl Acetate

Concen: 15.830 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

R1-R2-A1-(0)

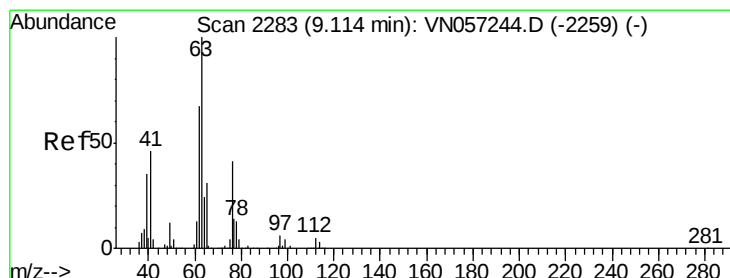
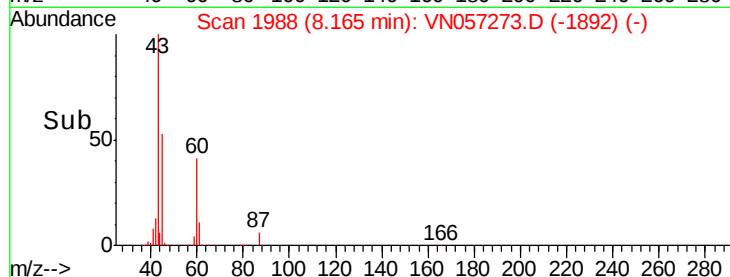
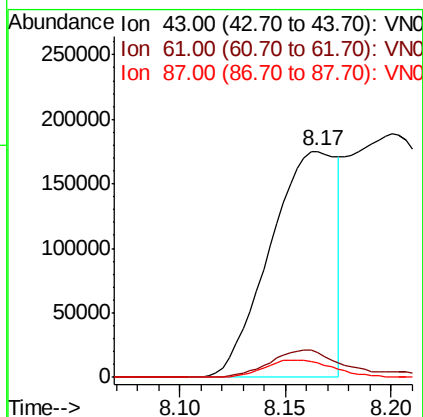
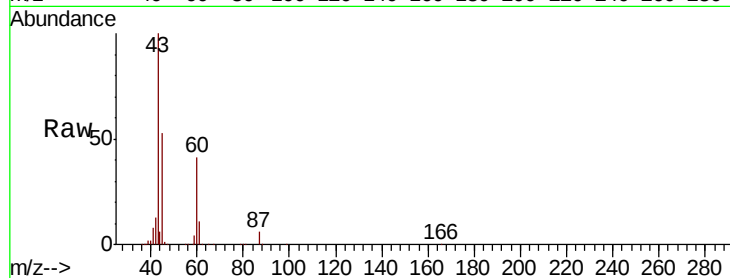
Tgt Ion: 43 Resp: 385206

Ion Ratio Lower Upper

43 100

61 13.0 23.5 35.3#

87 8.0 12.1 18.1#



#45

1,2-Dichloropropane

Concen: 0.324 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.14 min

Lab File: VN057273.D

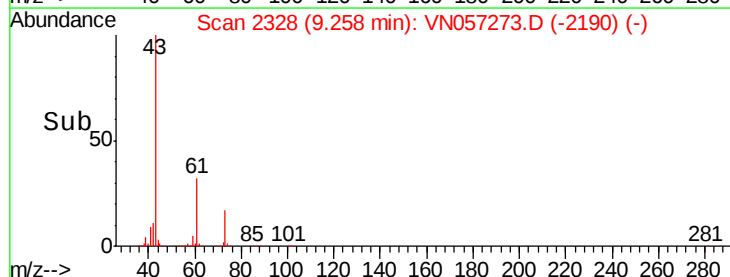
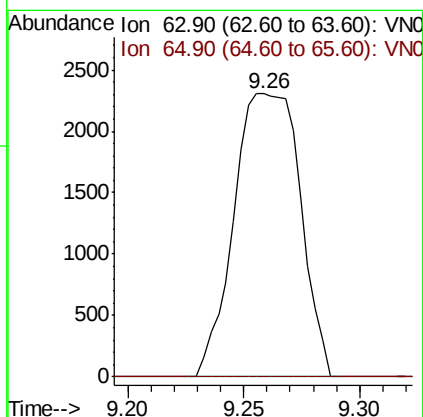
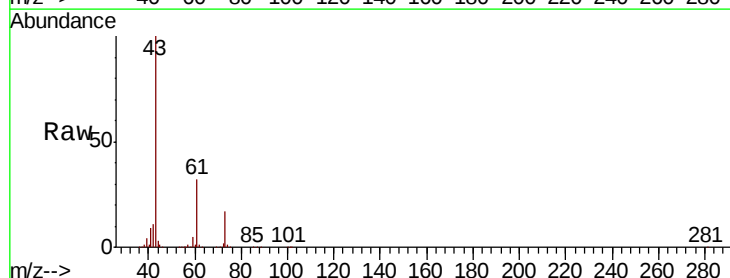
Acq: 14 Aug 2019 2:18

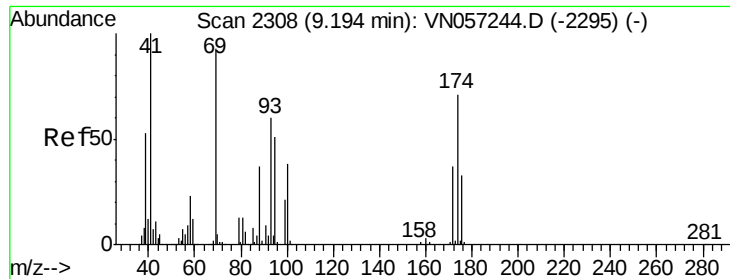
Tgt Ion: 63 Resp: 4585

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#

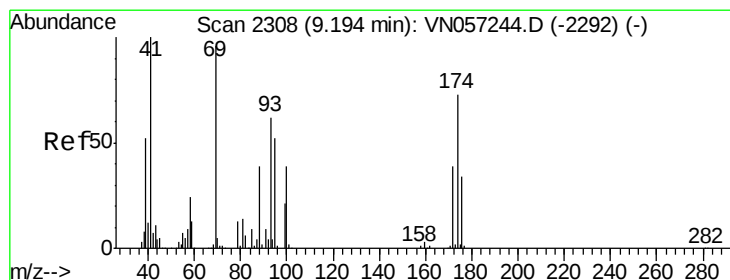
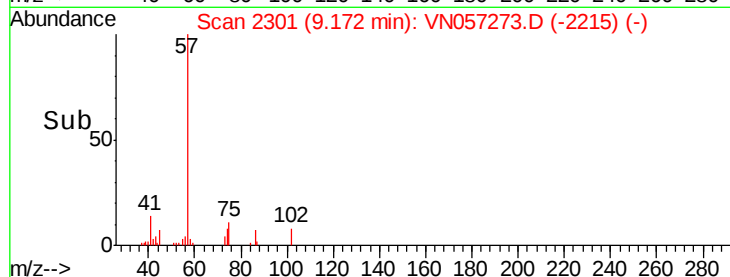
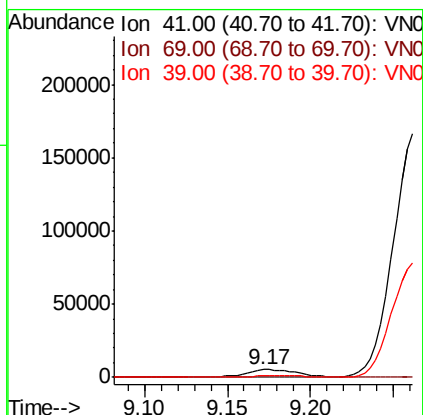
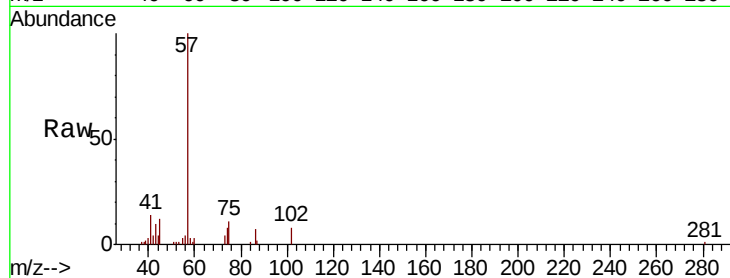




#48  
Methyl methacrylate  
Concen: 1.052 ug/l  
RT: 9.17 min Scan# 2301  
Delta R.T. -0.02 min  
Lab File: VN057273.D  
Acq: 14 Aug 2019 2:18

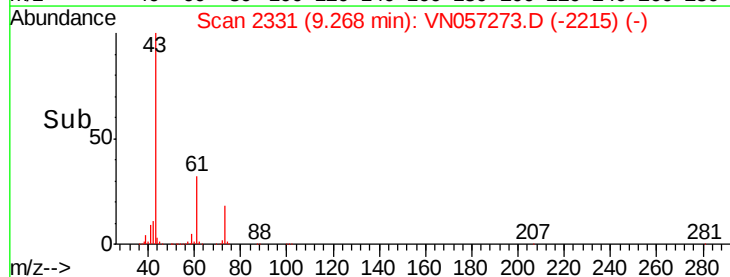
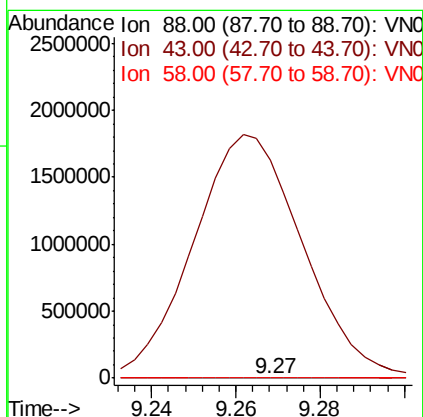
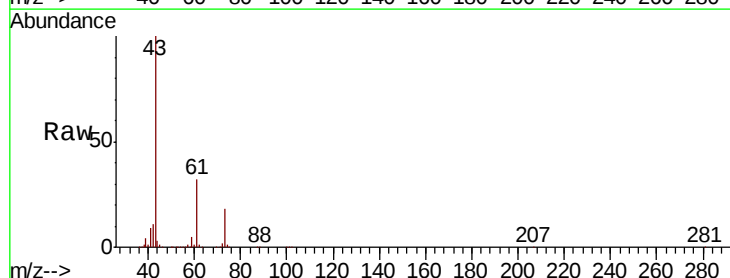
Instrument :  
MSVOA\_N  
ClientSampleId :  
R1-R2-A1-(0)

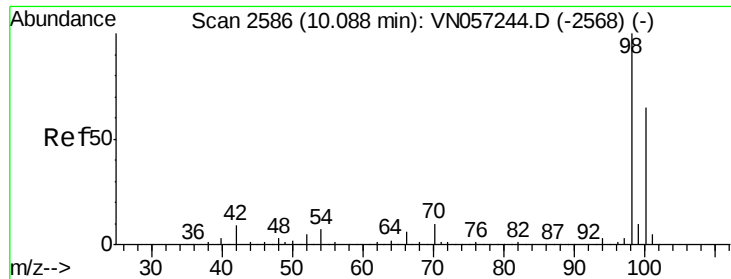
Tgt Ion: 41 Resp: 11842  
Ion Ratio Lower Upper  
41 100  
69 0.0 75.7 113.5#  
39 0.0 43.3 64.9#



#49  
1,4-Dioxane  
Concen: 1.651 ug/l  
RT: 9.27 min Scan# 2331  
Delta R.T. 0.07 min  
Lab File: VN057273.D  
Acq: 14 Aug 2019 2:18

Tgt Ion: 88 Resp: 419  
Ion Ratio Lower Upper  
88 100  
43 793125.5 20.7 31.1#  
58 3332.5 52.0 78.0#





#50

Toluene-d8

Concen: 50.708 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

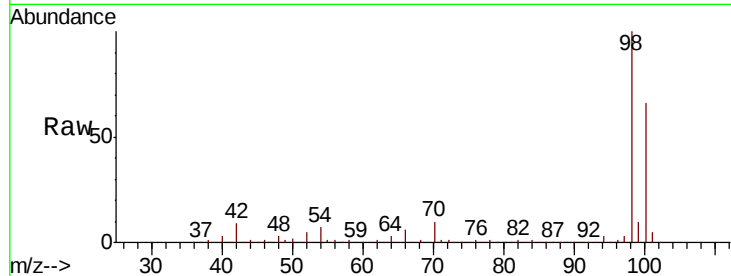
R1-R2-A1-(0)

Tgt Ion: 98 Resp: 2483192

Ion Ratio Lower Upper

98 100

100 65.6 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN057244.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN057273.D (-2493) (-)

10.09

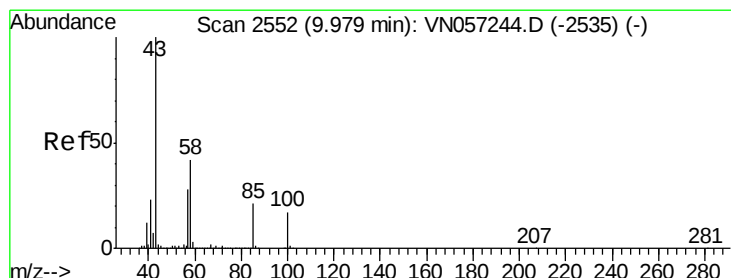
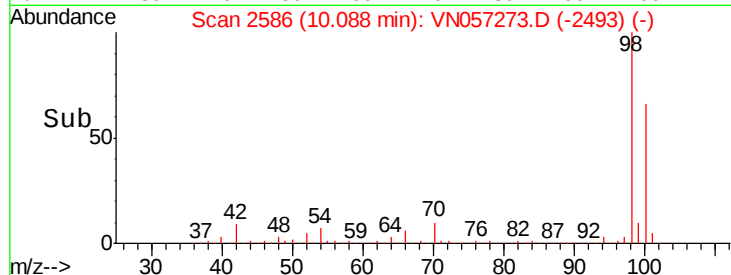
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.868 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057273.D

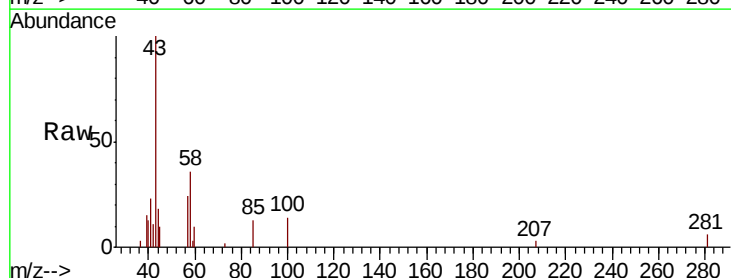
Acq: 14 Aug 2019 2:18

Tgt Ion: 43 Resp: 12396

Ion Ratio Lower Upper

43 100

58 45.7 33.7 50.5



Abundance Ion 43.00 (42.70 to 43.70): VN057244.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN057273.D (-2459) (-)

20000

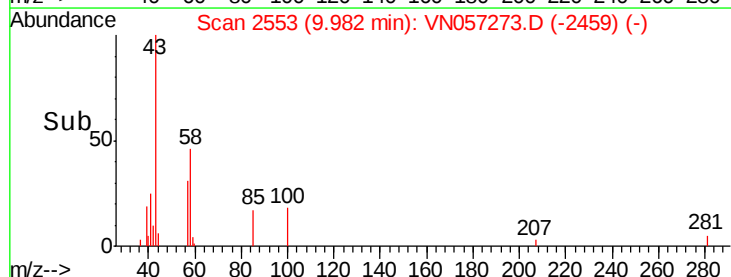
15000

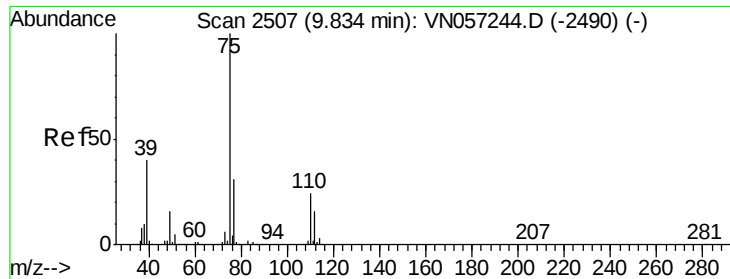
10000

5000

0

Time-->



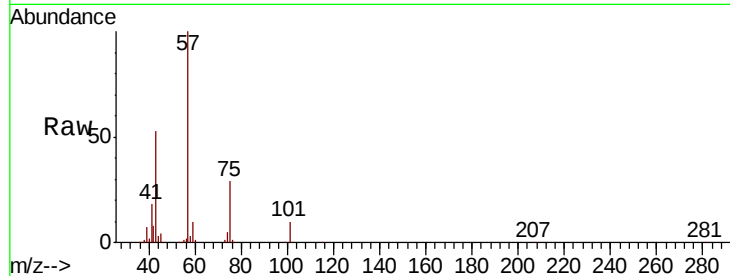


#54

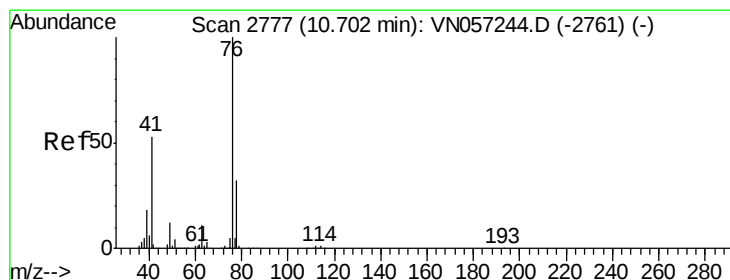
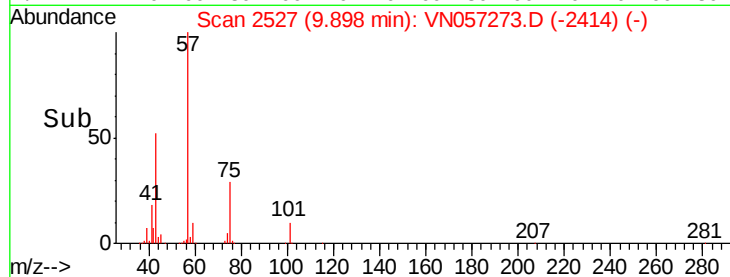
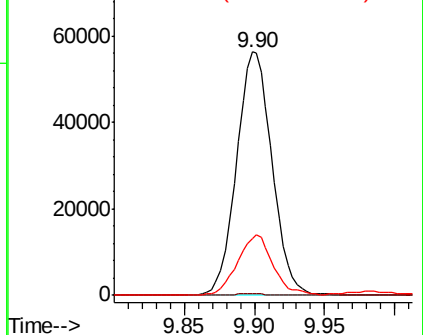
cis-1,3-Dichloropropene  
 Concen: 4.474 ug/l  
 RT: 9.90 min Scan# 2527  
 Delta R.T. 0.06 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 R1-R2-A1-(0)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.6   | 25.0  | 37.6# |
| 39      | 23.0  | 32.3  | 48.5# |



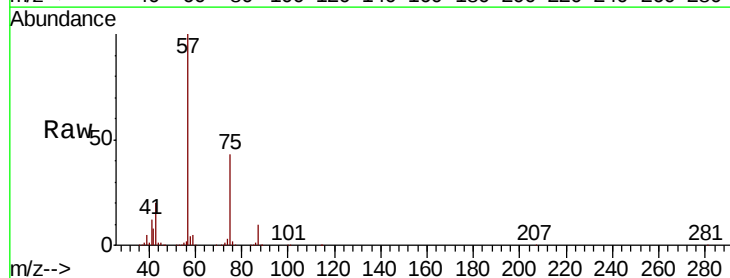
Abundance Ion 74.90 (74.60 to 75.60): VN0  
 Ion 76.90 (76.60 to 77.60): VN0  
 Ion 39.00 (38.70 to 39.70): VN0



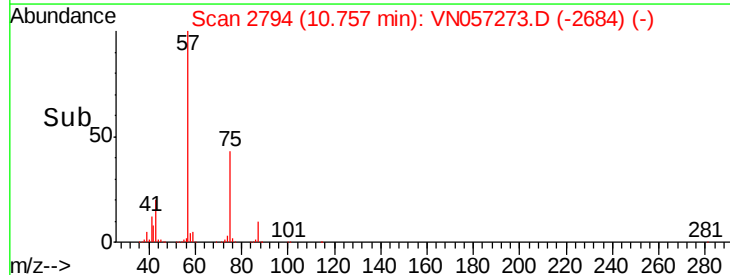
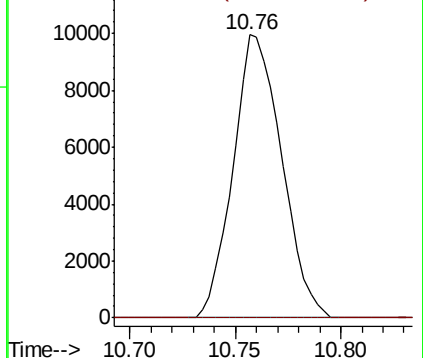
#57

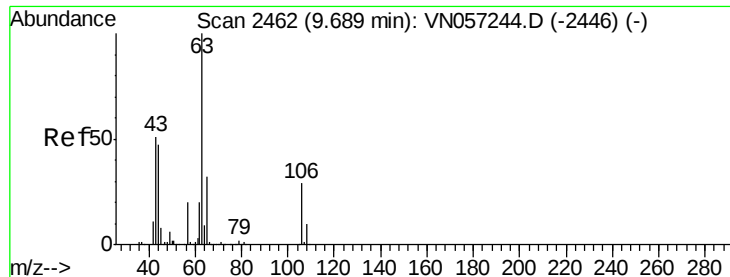
1,3-Dichloropropane  
 Concen: 0.712 ug/l  
 RT: 10.76 min Scan# 2794  
 Delta R.T. 0.05 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 0.0   | 26.0  | 39.0# |



Abundance Ion 75.90 (75.60 to 76.60): VN0  
 Ion 77.90 (77.60 to 78.60): VN0

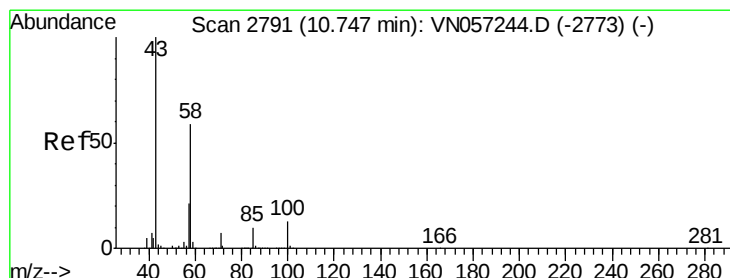
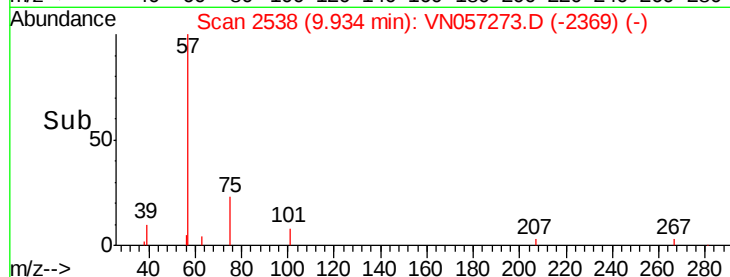
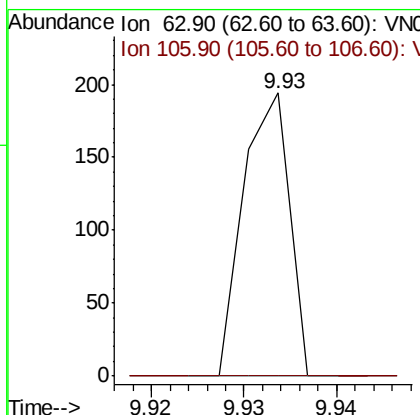
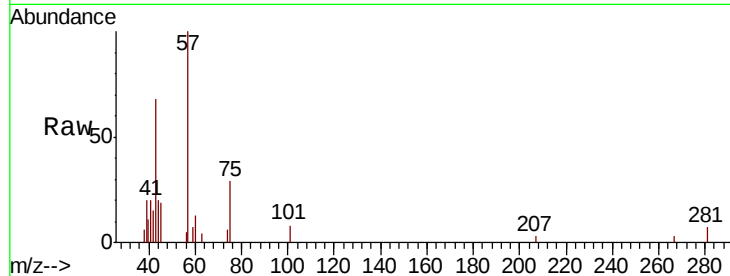




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 20.537 ug/l  
 RT: 9.93 min Scan# 2538  
 Delta R.T. 0.24 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

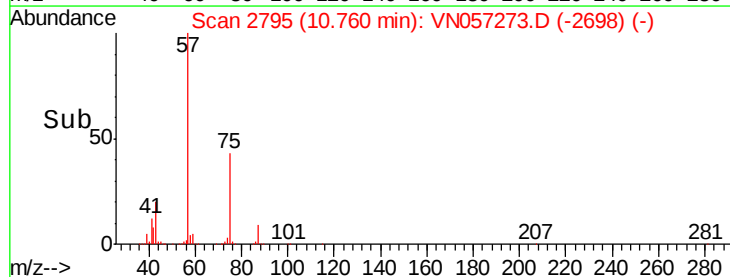
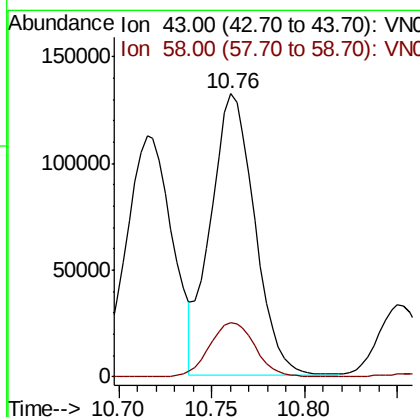
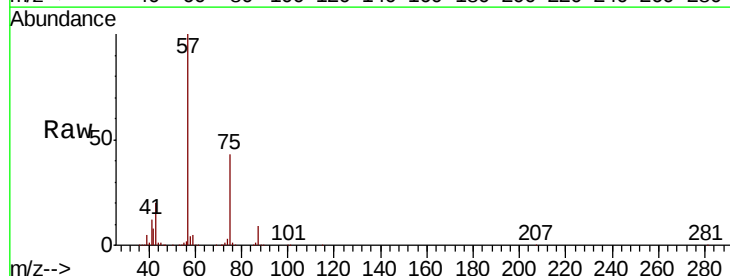
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 R1-R2-A1-(0)

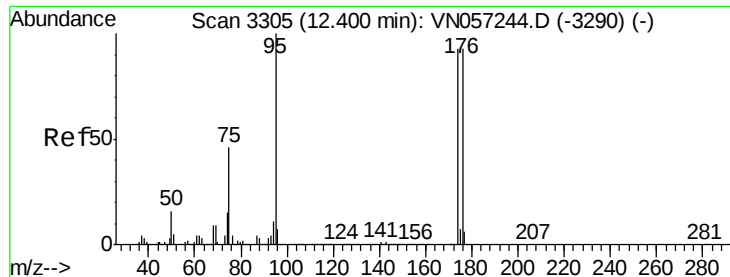
Tgt Ion: 63 Resp: 67  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 23.4 35.2#



#59  
 2-Hexanone  
 Concen: 21.320 ug/l  
 RT: 10.76 min Scan# 2795  
 Delta R.T. 0.01 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

Tgt Ion: 43 Resp: 216149  
 Ion Ratio Lower Upper  
 43 100  
 58 20.3 29.1 87.4#





#62

4-Bromofluorobenzene

Concen: 40.337 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampled :

R1-R2-A1-(0)

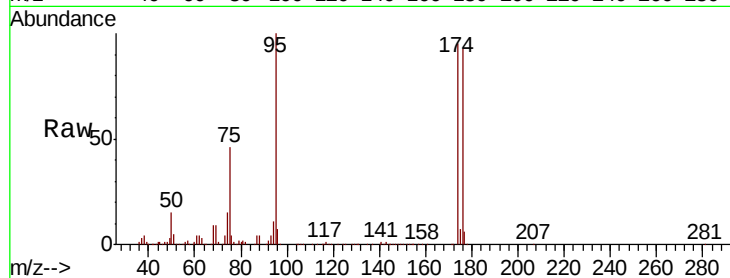
Tgt Ion: 95 Resp: 677417

Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.6

176 93.0 0.0 185.8



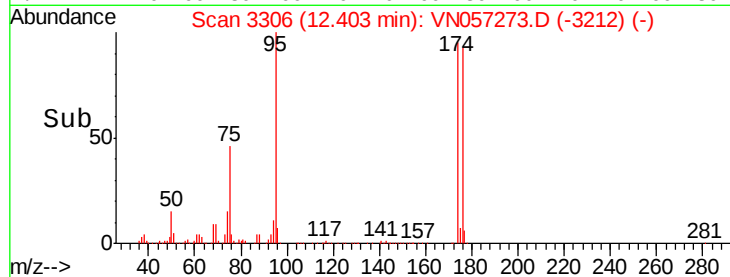
Abundance Ion 94.90 (94.60 to 95.60): VN057244.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057244.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN057244.D (-3290) (-)

12.40

Time-->



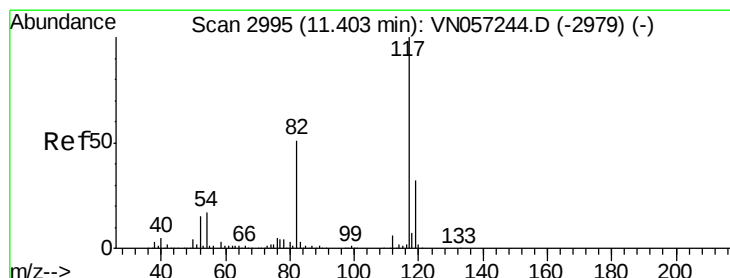
Abundance Ion 94.90 (94.60 to 95.60): VN057273.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN057273.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN057273.D (-3212) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

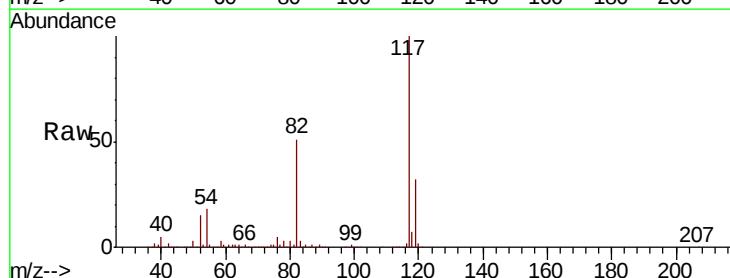
Tgt Ion: 117 Resp: 1801912

Ion Ratio Lower Upper

117 100

82 51.4 40.9 61.3

119 32.3 25.4 38.2



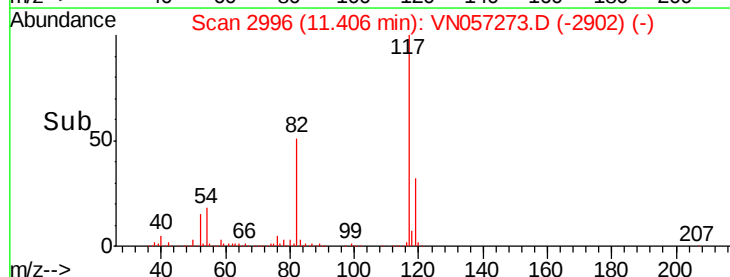
Abundance Ion 116.90 (116.60 to 117.60): VN057244.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN057244.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN057244.D (-2979) (-)

11.41

Time-->



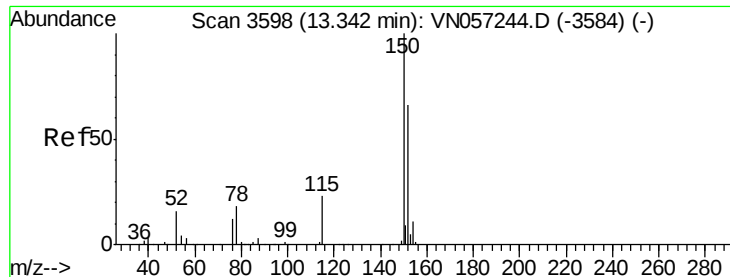
Abundance Ion 116.90 (116.60 to 117.60): VN057273.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN057273.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN057273.D (-2902) (-)

11.41

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

R1-R2-A1-(0)

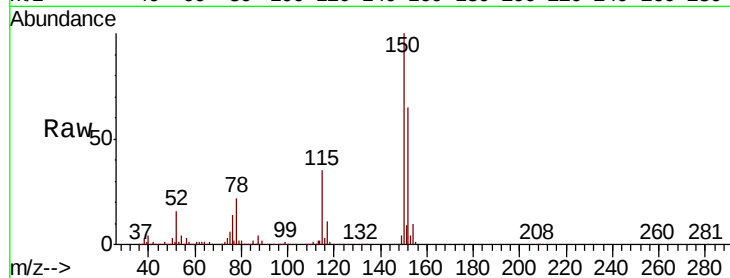
Tgt Ion:152 Resp: 496846

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.8

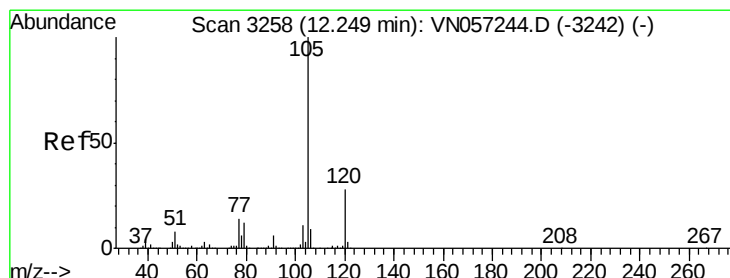
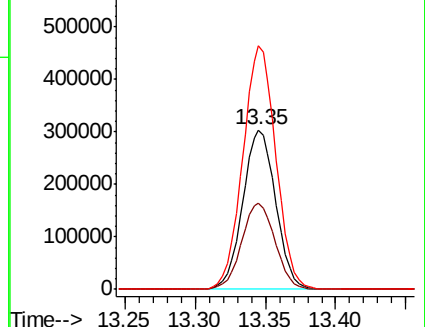
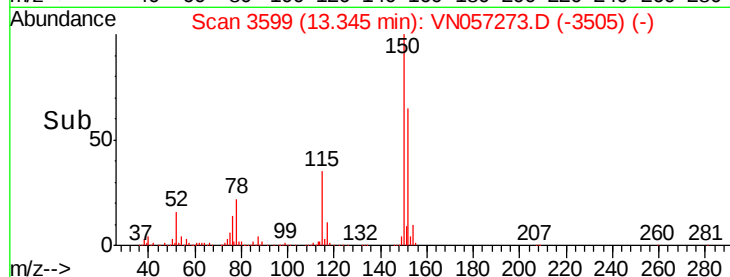
150 153.4 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057273.D

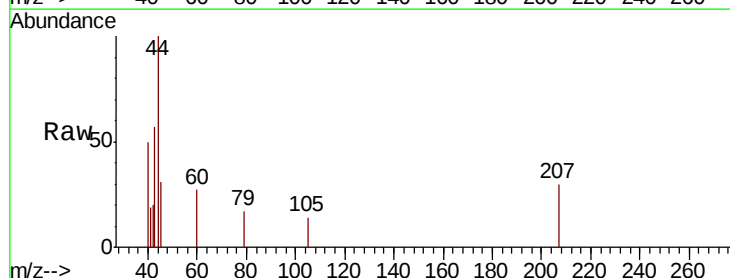
Acq: 14 Aug 2019 2:18

Tgt Ion:105 Resp: 29

Ion Ratio Lower Upper

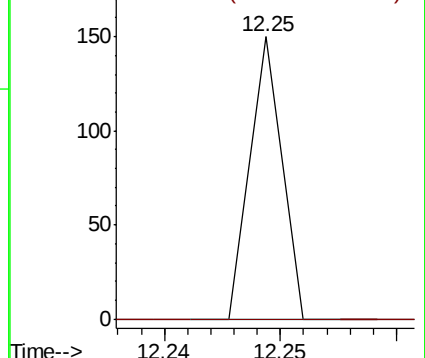
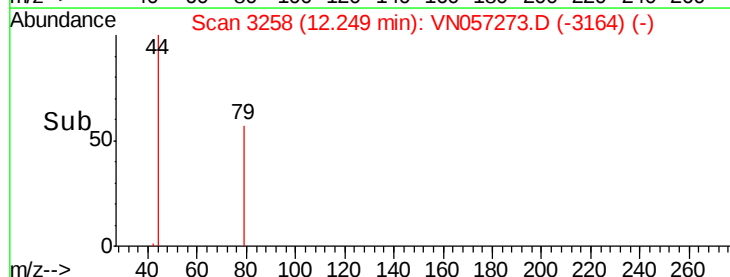
105 100

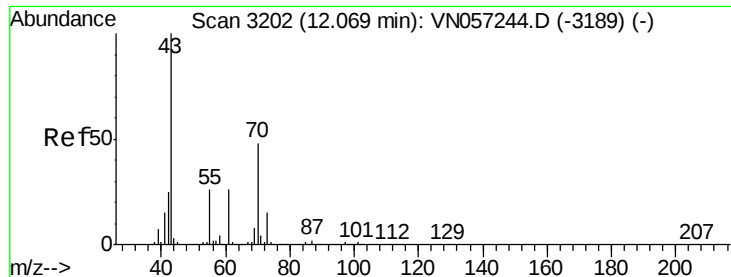
120 0.0 13.8 41.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: Below Cal

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

R1-R2-A1-(0)

Tgt Ion: 43 Resp: 9223

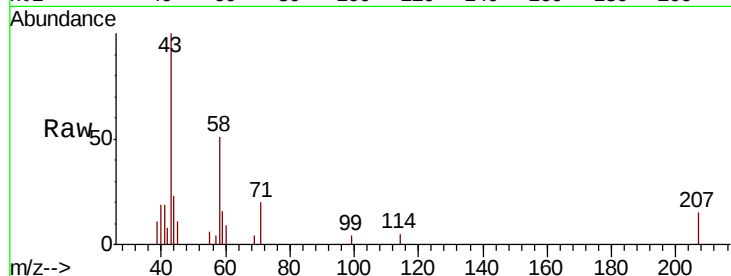
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.2#

55 3.6 21.0 31.4#

61 0.0 20.9 31.3#

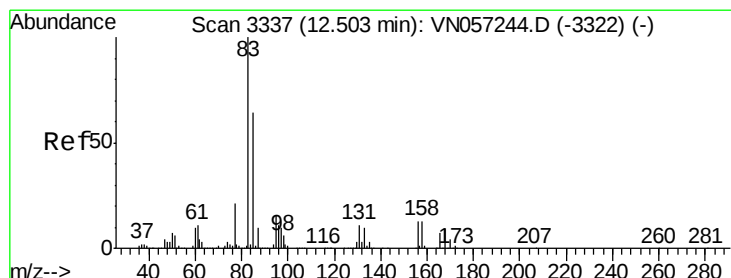
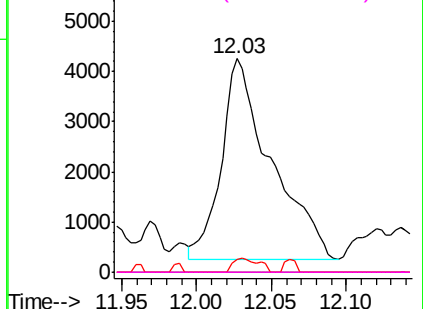
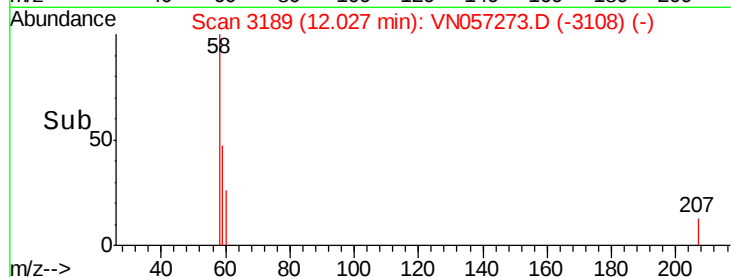


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3341

Delta R.T. 0.01 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

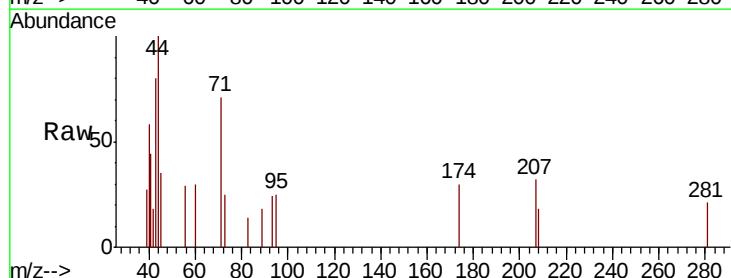
Tgt Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

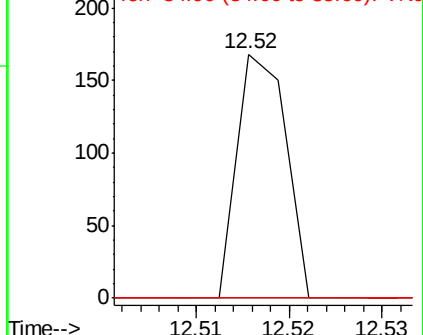
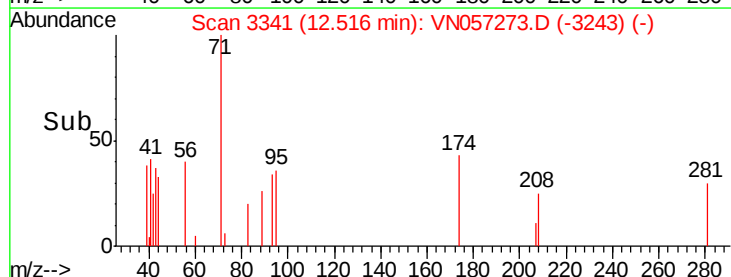
85 0.0 32.3 96.8#

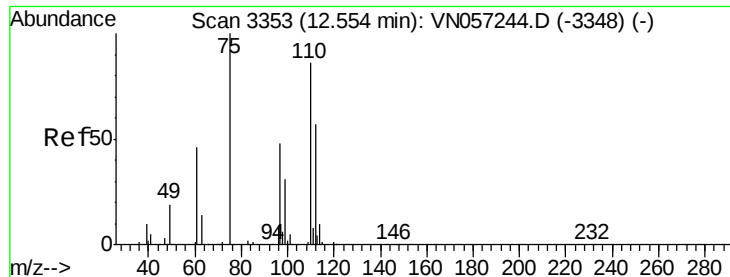


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 35.019 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

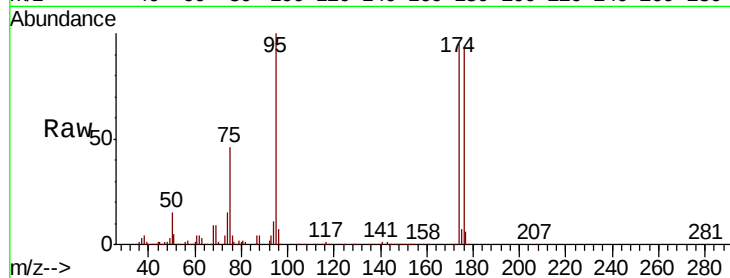
R1-R2-A1-(0)

Tgt Ion: 75 Resp: 313670

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

200000

150000

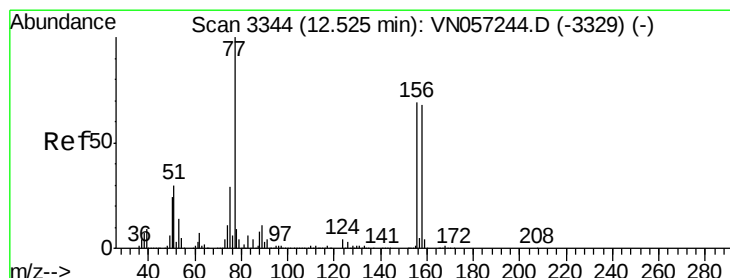
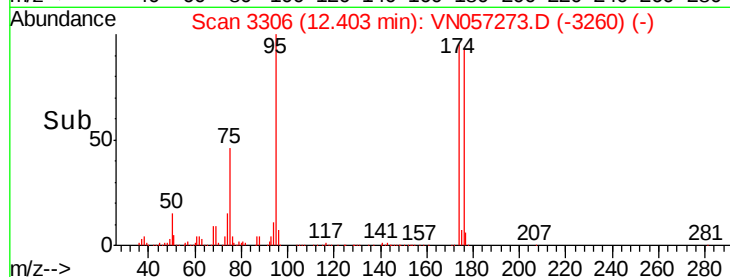
100000

50000

0

Time-->

12.35 12.40 12.45



#77

Bromobenzene

Concen: Below Cal

RT: 12.41 min Scan# 3309

Delta R.T. -0.11 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

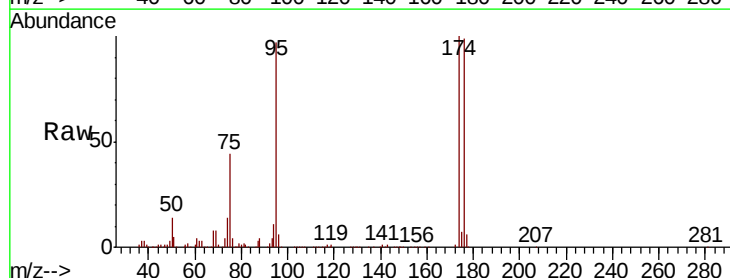
Tgt Ion: 156 Resp: 140

Ion Ratio Lower Upper

156 100

77 0.0 88.0 264.1#

158 0.0 49.4 148.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

3000

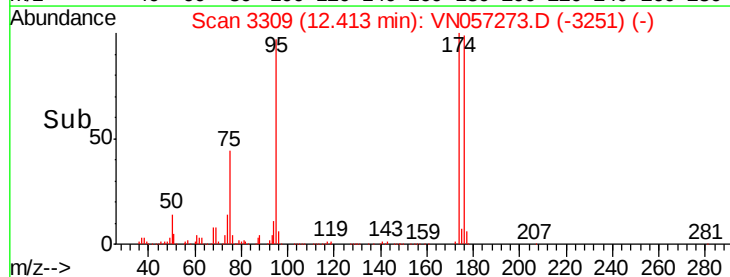
2000

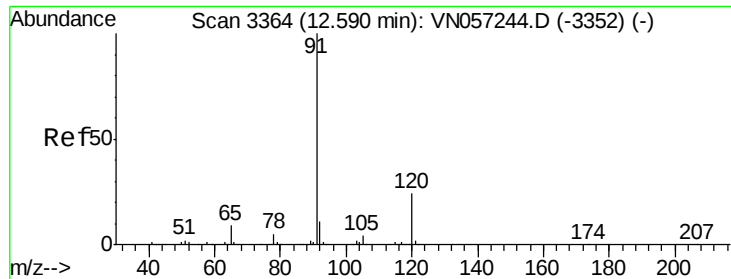
1000

0

Time-->

12.40 12.41 12.42





#78

n-propylbenzene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampled :

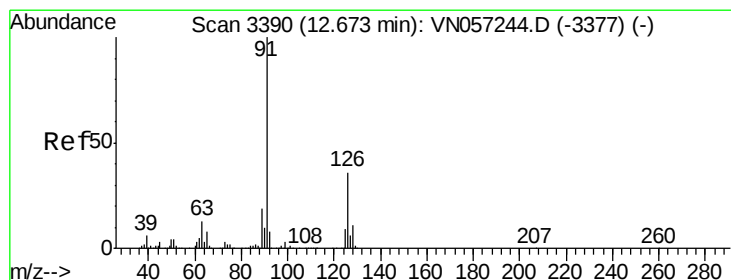
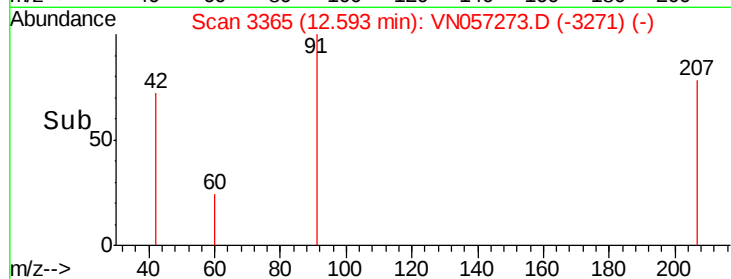
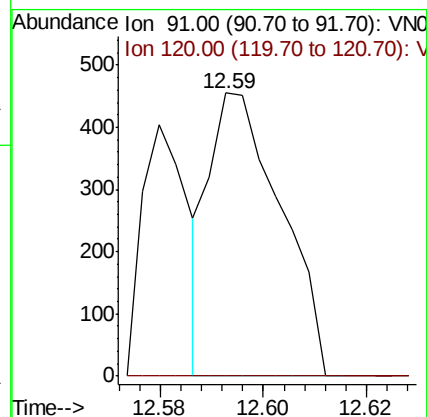
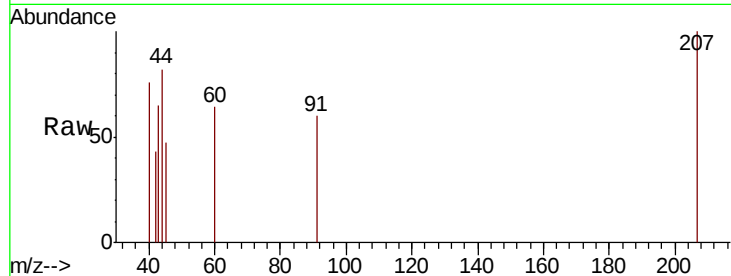
R1-R2-A1-(0)

Tgt Ion: 91 Resp: 437

Ion Ratio Lower Upper

91 100

120 0.0 12.1 36.3#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN057273.D

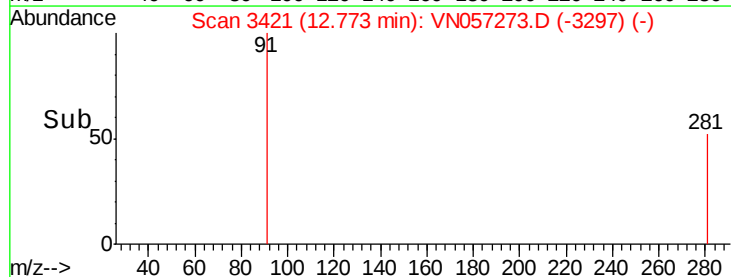
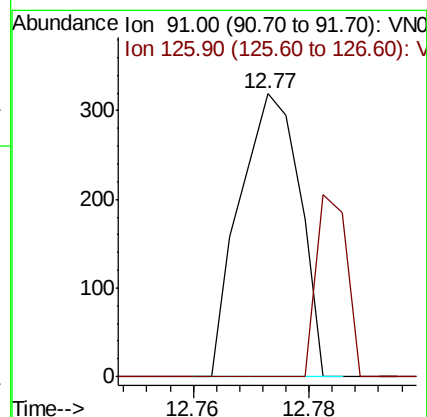
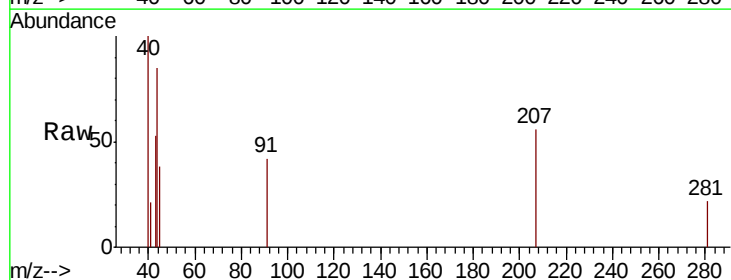
Acq: 14 Aug 2019 2:18

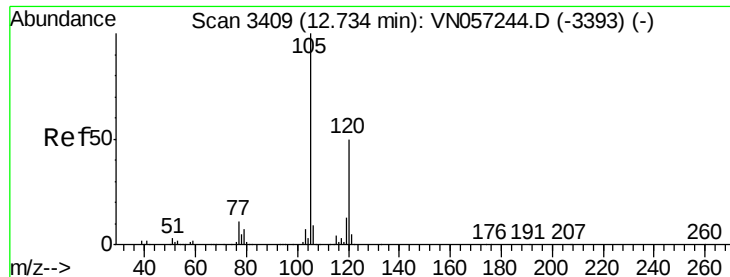
Tgt Ion: 91 Resp: 229

Ion Ratio Lower Upper

91 100

126 32.8 18.0 54.0

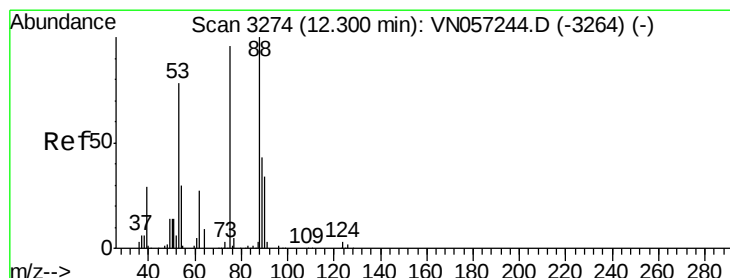
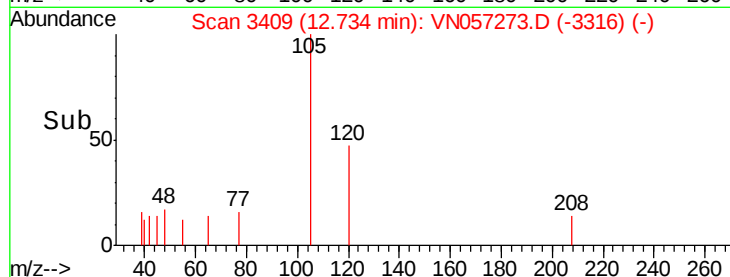
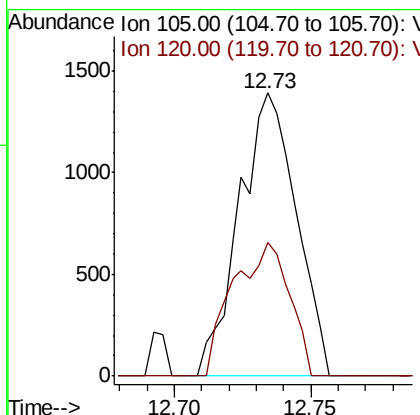
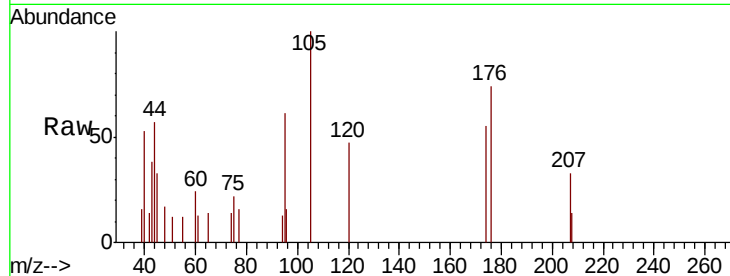




#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

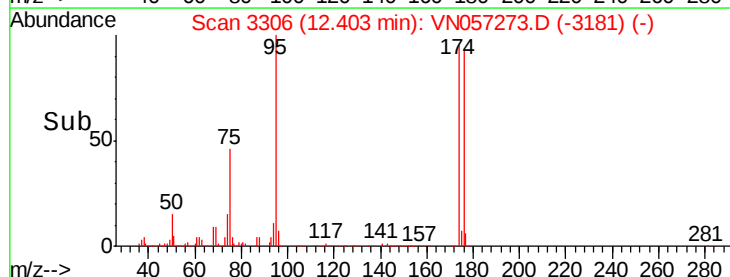
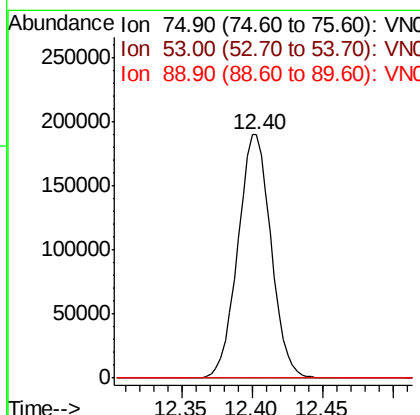
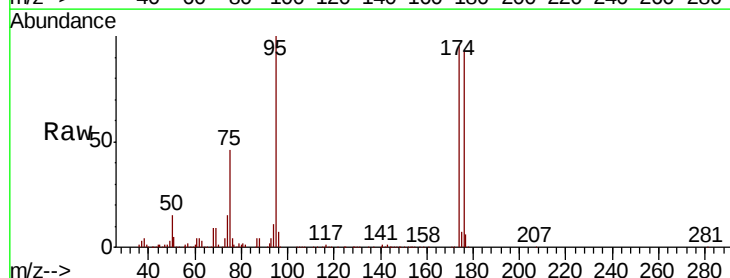
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 R1-R2-A1-(0)

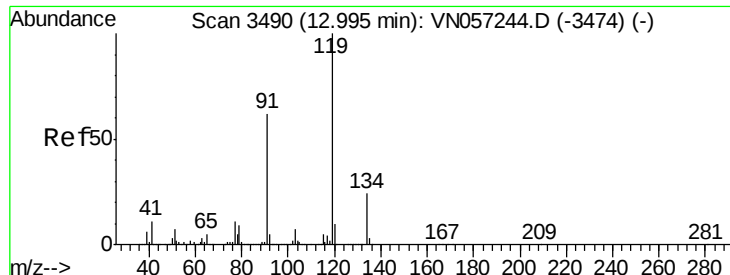
Tgt Ion: 105 Resp: 2025  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 25.3 75.8



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 84.798 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.10 min  
 Lab File: VN057273.D  
 Acq: 14 Aug 2019 2:18

Tgt Ion: 75 Resp: 313670  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 65.8 98.6#  
 89 0.0 36.7 55.1#





#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

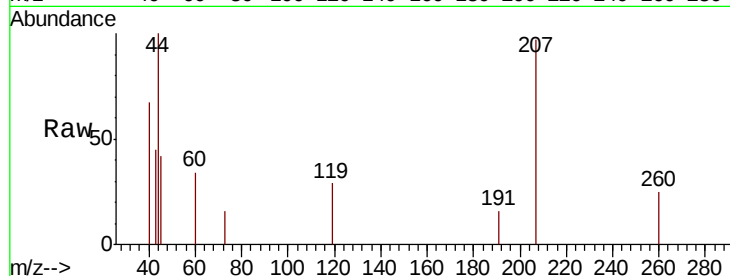
Instrument :

MSVOA\_N

ClientSampled :

R1-R2-A1-(0)

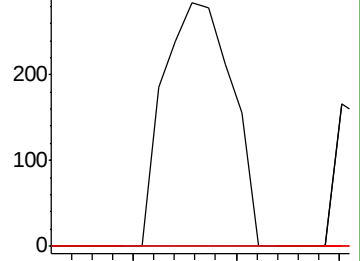
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 261   |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 0.0   | 30.8  | 92.3# |
| 134      | 0.0   | 12.9  | 38.7# |



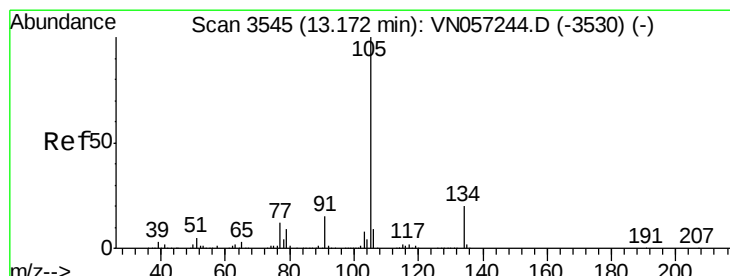
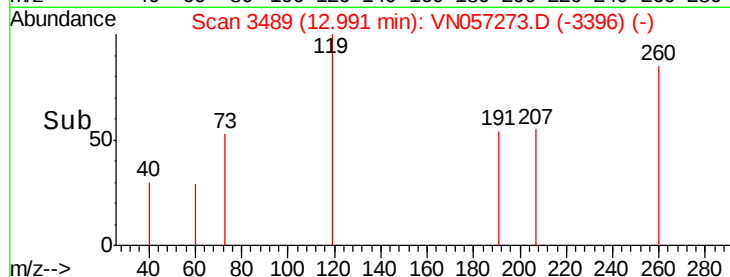
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



Time-->



#85

sec-Butylbenzene

Concen: Below Cal

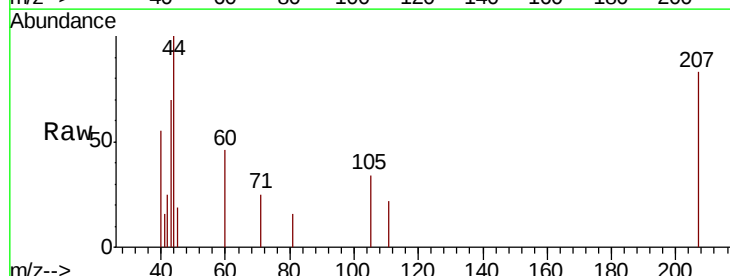
RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057273.D

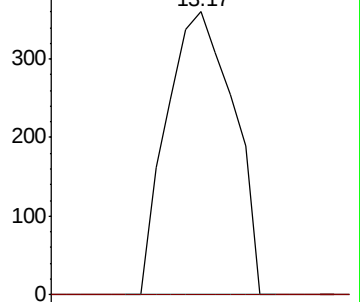
Acq: 14 Aug 2019 2:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 359   |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 134      | 0.0   | 10.4  | 31.2# |

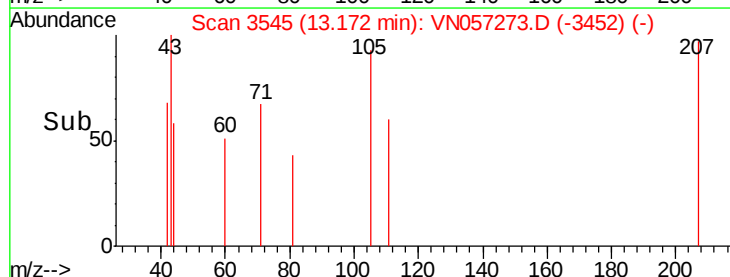


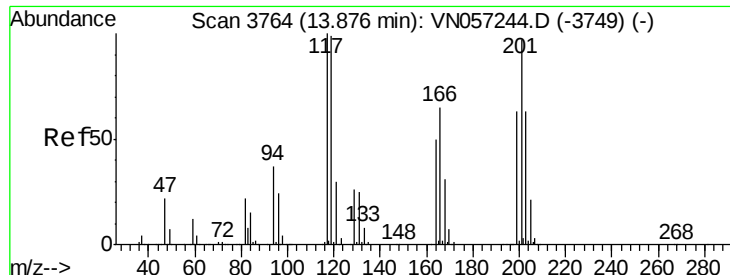
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->





#90

Hexachloroethane

Concen: Below Cal

RT: 13.62 min Scan# 3685

Delta R.T. -0.25 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

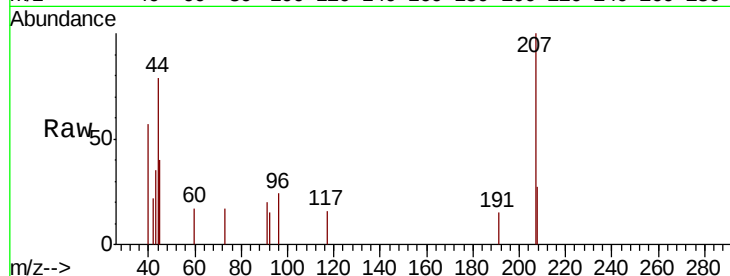
R1-R2-A1-(0)

Tgt Ion:117 Resp: 64

Ion Ratio Lower Upper

117 100

201 0.0 49.5 148.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.62

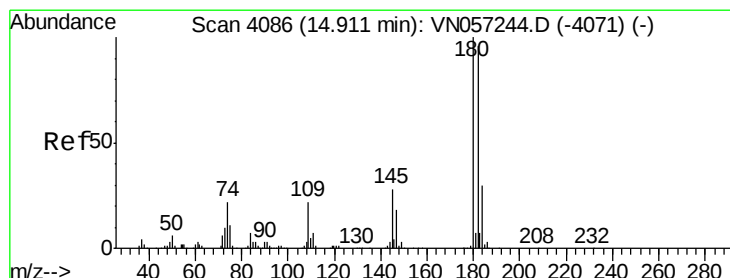
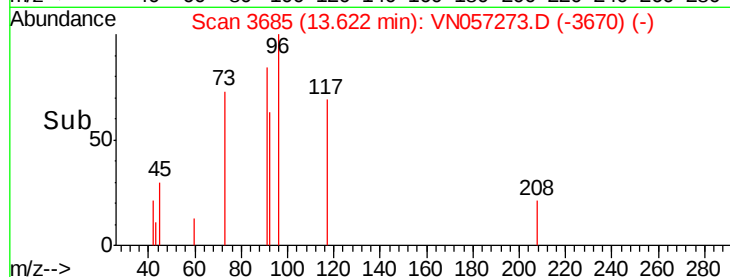
150

100

50

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.269 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN057273.D

Acq: 14 Aug 2019 2:18

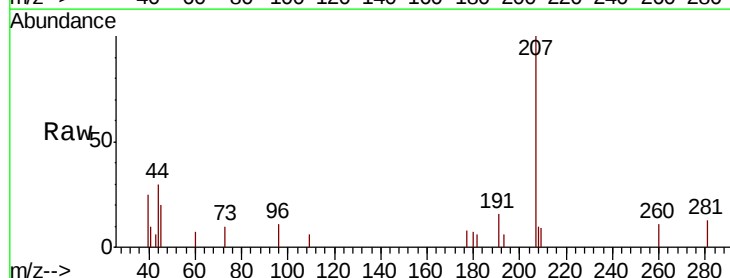
Tgt Ion:180 Resp: 161

Ion Ratio Lower Upper

180 100

182 214.9 47.7 143.1#

145 0.0 14.2 42.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

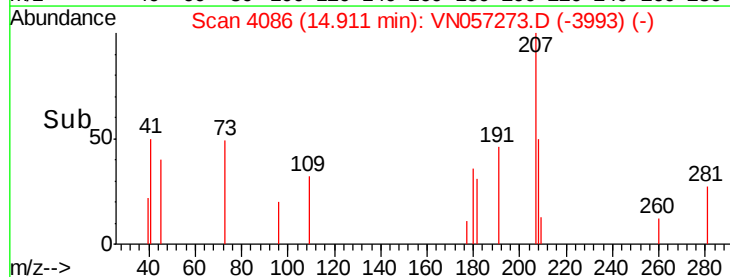
300

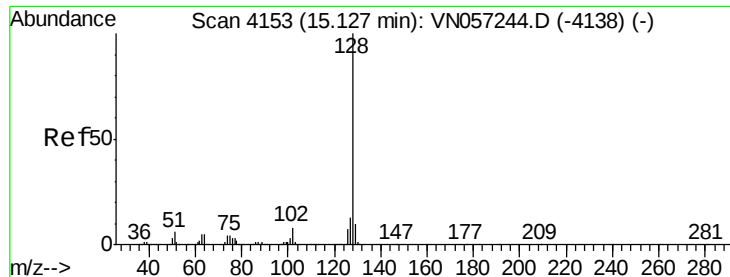
200

100

0

Time-->

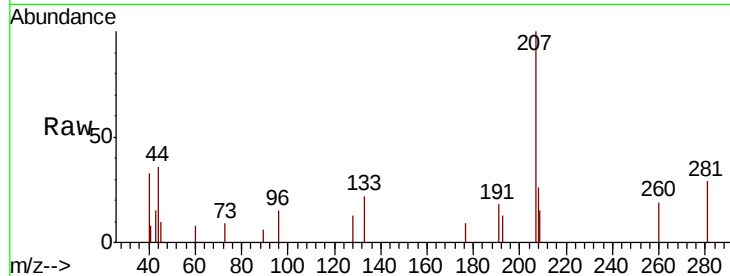




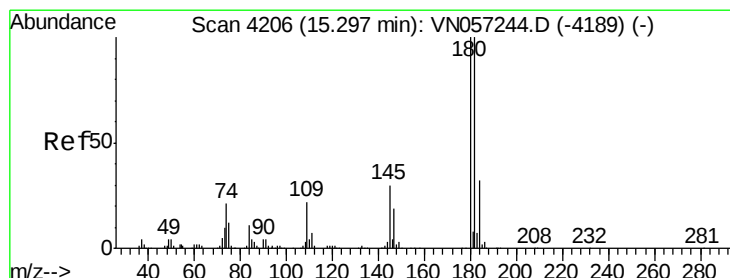
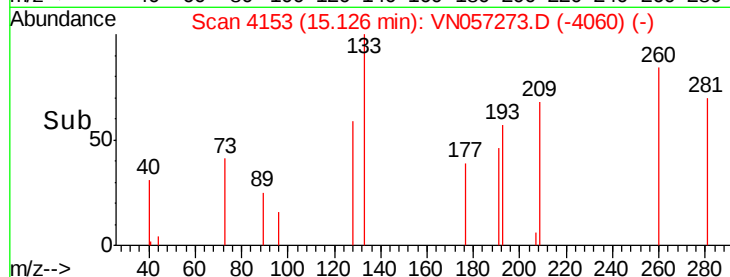
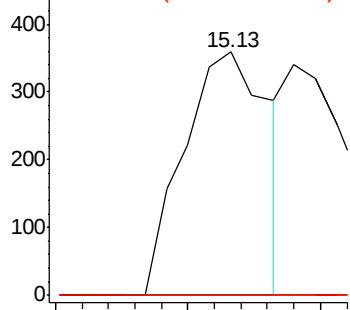
#95  
Naphthalene  
Concen: Below Cal  
RT: 15.13 min Scan# 4153  
Delta R.T. 0.00 min  
Lab File: VN057273.D  
Acq: 14 Aug 2019 2:18

Instrument :  
MSVOA\_N  
ClientSampled :  
R1-R2-A1-(0)

Tgt Ion:128 Resp: 320  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.4 15.6#  
129 0.0 8.5 12.7#

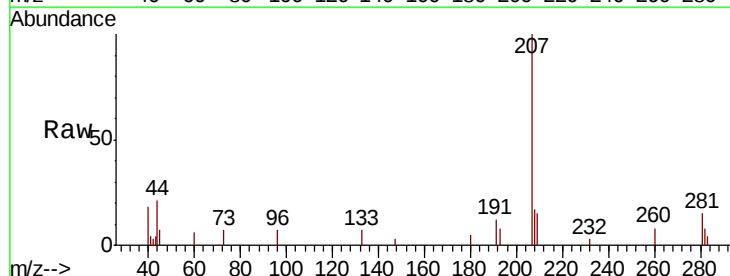


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 4.255 ug/l  
RT: 15.30 min Scan# 4206  
Delta R.T. 0.00 min  
Lab File: VN057273.D  
Acq: 14 Aug 2019 2:18

Tgt Ion:180 Resp: 118  
Ion Ratio Lower Upper  
180 100  
182 50.8 48.9 146.7  
145 0.0 15.0 45.1#



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

